

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
 Data File : BP024902.D
 Acq On : 10 Jun 2025 20:32
 Operator : RC/JU
 Sample : Q2161-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B27-SOIL-SAMPLE

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024902.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.243	386	392	413	rBV	855518	1409347	2.79%	0.359%
2	6.825	655	661	671	rBV	849891	1573830	3.11%	0.401%
3	7.613	784	795	801	rVB	1089901	1962084	3.88%	0.499%
4	8.702	969	980	985	rBV4	326709	916220	1.81%	0.233%
5	8.766	985	991	1003	rVV	605218	1452096	2.87%	0.370%
6	8.943	1017	1021	1027	rVB5	295631	622342	1.23%	0.158%
7	9.060	1036	1041	1047	rVB4	213292	508938	1.01%	0.130%
8	9.231	1064	1070	1076	rBV3	414016	853904	1.69%	0.217%
9	9.307	1077	1083	1087	rVB2	435941	747663	1.48%	0.190%
10	9.560	1121	1126	1134	rBV4	829327	1386904	2.74%	0.353%
11	9.790	1160	1165	1168	rBV3	304758	596175	1.18%	0.152%
12	9.972	1190	1196	1205	rBV7	336215	845027	1.67%	0.215%
13	10.084	1210	1215	1217	rBV	322328	510953	1.01%	0.130%
14	10.243	1238	1242	1245	rBV2	313741	522175	1.03%	0.133%
15	10.384	1254	1266	1272	rBV	1719459	4369765	8.65%	1.112%
16	10.496	1281	1285	1288	rBV3	506009	725092	1.43%	0.185%
17	10.537	1288	1292	1299	rVV	2367289	3393274	6.71%	0.864%
18	10.601	1299	1303	1310	rVV4	557186	1221081	2.42%	0.311%
19	10.666	1311	1314	1320	rVB5	425440	703976	1.39%	0.179%
20	10.772	1326	1332	1337	rBV4	388435	966884	1.91%	0.246%
21	10.860	1343	1347	1352	rVB4	767516	1205357	2.38%	0.307%
22	11.043	1373	1378	1379	rVV3	678568	973111	1.93%	0.248%
23	11.072	1380	1383	1388	rVV7	1108213	1697894	3.36%	0.432%
24	11.148	1392	1396	1401	rVB5	354943	704427	1.39%	0.179%
25	11.207	1402	1406	1409	rBV3	393538	650884	1.29%	0.166%
26	11.296	1417	1421	1427	rVB5	710300	1603037	3.17%	0.408%
27	11.407	1434	1440	1448	rBV	4322807	8703887	17.22%	2.216%
28	11.572	1464	1468	1471	rBV2	519510	701882	1.39%	0.179%
29	11.666	1481	1484	1488	rVB3	836372	1048834	2.08%	0.267%
30	11.943	1529	1531	1535	rVB3	520304	641472	1.27%	0.163%
31	12.119	1558	1561	1567	rVB3	670386	1261823	2.50%	0.321%
32	12.178	1568	1571	1574	rBV3	546920	752920	1.49%	0.192%
33	12.260	1580	1585	1589	rBV3	1388087	2785808	5.51%	0.709%
34	12.513	1626	1628	1635	rVB5	1317491	2075261	4.11%	0.528%
35	12.731	1661	1665	1668	rBV5	1195348	2079347	4.11%	0.529%
36	12.778	1668	1673	1678	rVB	8363499	11279827	22.32%	2.871%

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Integration Parameters: rteint.p

Integrator: RTE

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Sampling : 1

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Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.825	1678	1681	1684	rBV3	966843	1536092	3.04%	0.391%
38	13.019	1711	1714	1716	rBV	1145145	1555689	3.08%	0.396%
39	13.166	1735	1739	1747	rBV5	1626287	4082192	8.08%	1.039%
40	13.237	1748	1751	1755	rVB5	1365732	1922362	3.80%	0.489%
41	13.407	1775	1780	1787	rBV	3173385	7972719	15.77%	2.029%
42	13.572	1804	1808	1813	rBV	4181236	7171354	14.19%	1.825%
43	13.625	1814	1817	1820	rVV	2191632	2867998	5.67%	0.730%
44	13.666	1820	1824	1828	rVB	5832428	8049903	15.93%	2.049%
45	13.742	1832	1837	1841	rVV3	9653802	15394991	30.46%	3.919%
46	13.907	1862	1865	1869	rBV4	1255146	1657808	3.28%	0.422%
47	13.948	1869	1872	1874	rBV2	1360527	1631911	3.23%	0.415%
48	13.984	1875	1878	1881	rVV4	1658269	2072923	4.10%	0.528%
49	14.084	1891	1895	1903	rVB2	5014488	10123421	20.03%	2.577%
50	14.166	1903	1909	1913	rBV3	4402855	7637010	15.11%	1.944%
51	14.231	1917	1920	1922	rBV4	2176861	3105066	6.14%	0.790%
52	14.560	1972	1976	1979	rBV2	1347796	2463456	4.87%	0.627%
53	14.672	1991	1995	2000	rVB2	7448213	10811007	21.39%	2.752%
54	14.748	2004	2008	2012	rVB	5545665	7232318	14.31%	1.841%
55	14.801	2012	2017	2026	rVB4	6098029	11211544	22.18%	2.854%
56	14.895	2028	2033	2037	rBV	5697925	9594423	18.98%	2.442%
57	15.107	2066	2069	2071	rVB	2546794	2578859	5.10%	0.656%
58	15.142	2072	2075	2078	rVB	2502146	2676111	5.29%	0.681%
59	15.319	2102	2105	2109	rBV2	2586423	2846142	5.63%	0.724%
60	15.454	2125	2128	2132	rVB4	3764736	5521632	10.92%	1.406%
61	15.554	2140	2145	2150	rVB2	14426317	22733629	44.98%	5.787%
62	15.713	2167	2172	2175	rBV5	2020131	4622943	9.15%	1.177%
63	15.760	2178	2180	2183	rVV	2684338	2984570	5.91%	0.760%
64	16.054	2220	2230	2238	rBV2	19900787	50542571	100.00%	12.866%
65	16.160	2245	2248	2251	rVB2	2520274	3090408	6.11%	0.787%
66	16.419	2288	2292	2302	rVB5	5845484	11235340	22.23%	2.860%
67	16.613	2321	2325	2327	rBV3	3349672	5477465	10.84%	1.394%
68	16.842	2361	2364	2366	rBV	3021274	3606451	7.14%	0.918%
69	16.889	2368	2372	2381	rVB	15884752	28896295	57.17%	7.356%
70	17.083	2401	2405	2409	rBV2	2615236	4866248	9.63%	1.239%
71	17.513	2476	2478	2485	rVB	5186920	6437060	12.74%	1.639%
72	18.036	2564	2567	2573	rVB	4546466	6777649	13.41%	1.725%
73	18.172	2587	2590	2594	rVB	4974563	6045674	11.96%	1.539%
74	18.319	2612	2615	2620	rBV3	2299511	3037896	6.01%	0.773%
75	18.807	2693	2698	2703	rVB2	3734728	5584705	11.05%	1.422%
76	18.936	2716	2720	2724	rBV	4276378	6494056	12.85%	1.653%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	18.977	2724	2727	2734	rVB3	3182766	5618115	11.12%	1.430%
78	19.136	2752	2754	2761	rVB3	2010193	3357506	6.64%	0.855%
79	19.577	2826	2829	2832	rBV3	1780460	2421465	4.79%	0.616%
80	19.672	2841	2845	2850	rVB	2645183	3949375	7.81%	1.005%
81	19.795	2863	2866	2870	rVB2	3363694	4289917	8.49%	1.092%
82	20.136	2921	2924	2927	rVB2	1252443	1548509	3.06%	0.394%
83	21.501	3152	3156	3163	rVB	2980256	4062751	8.04%	1.034%

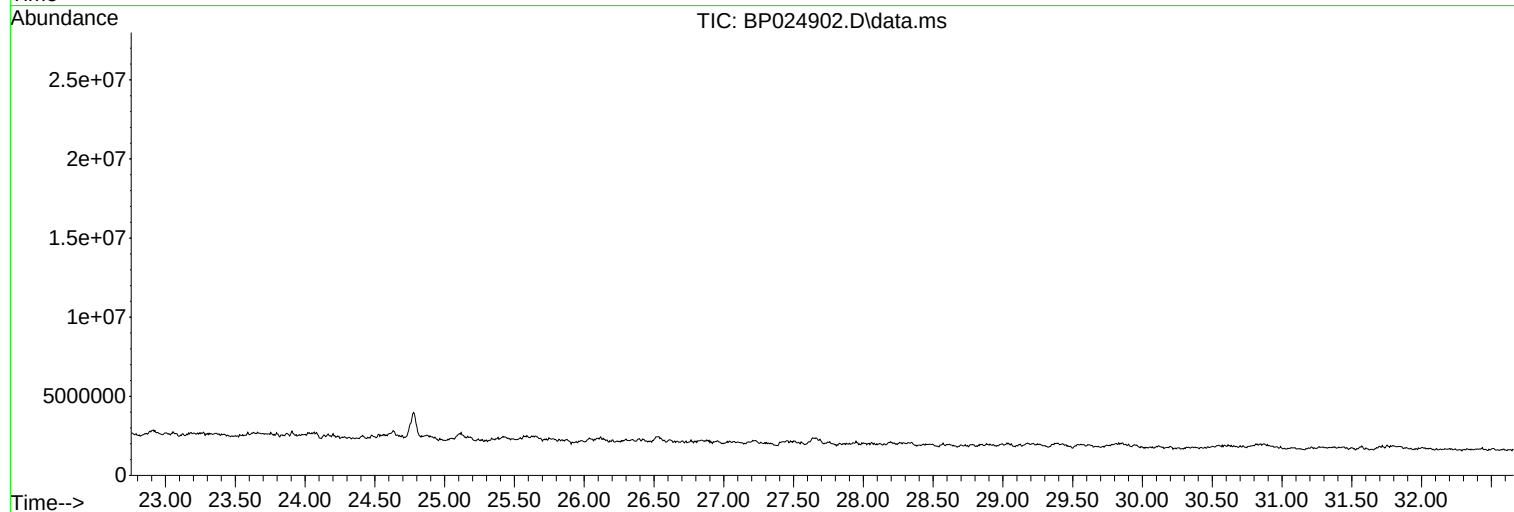
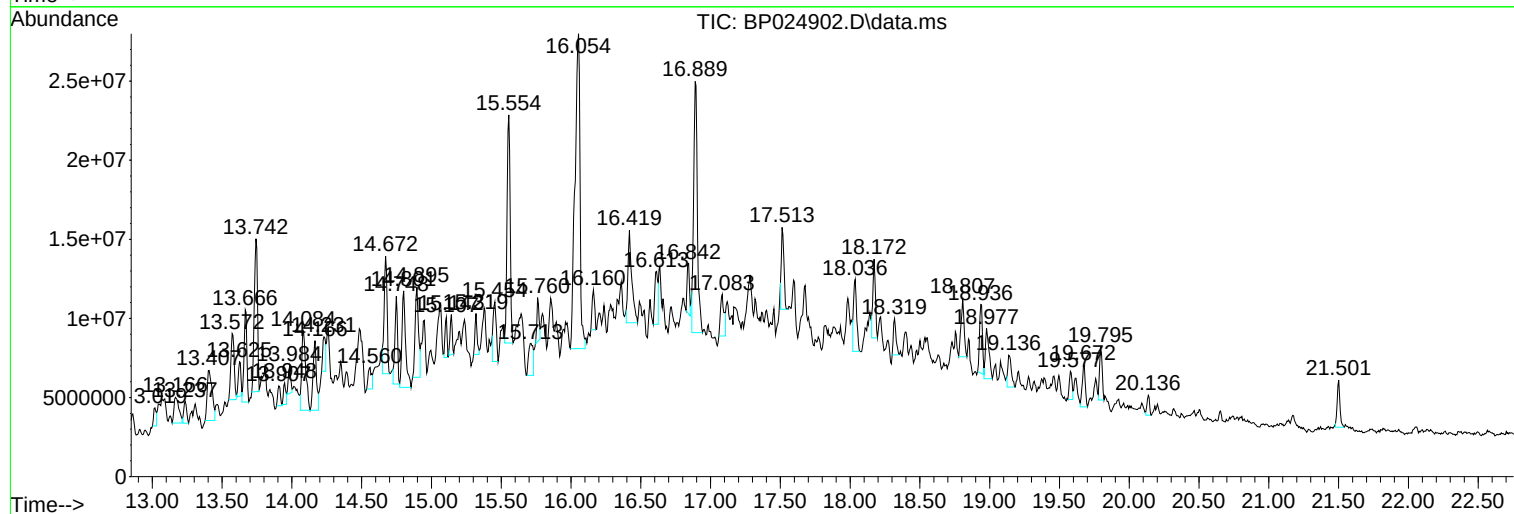
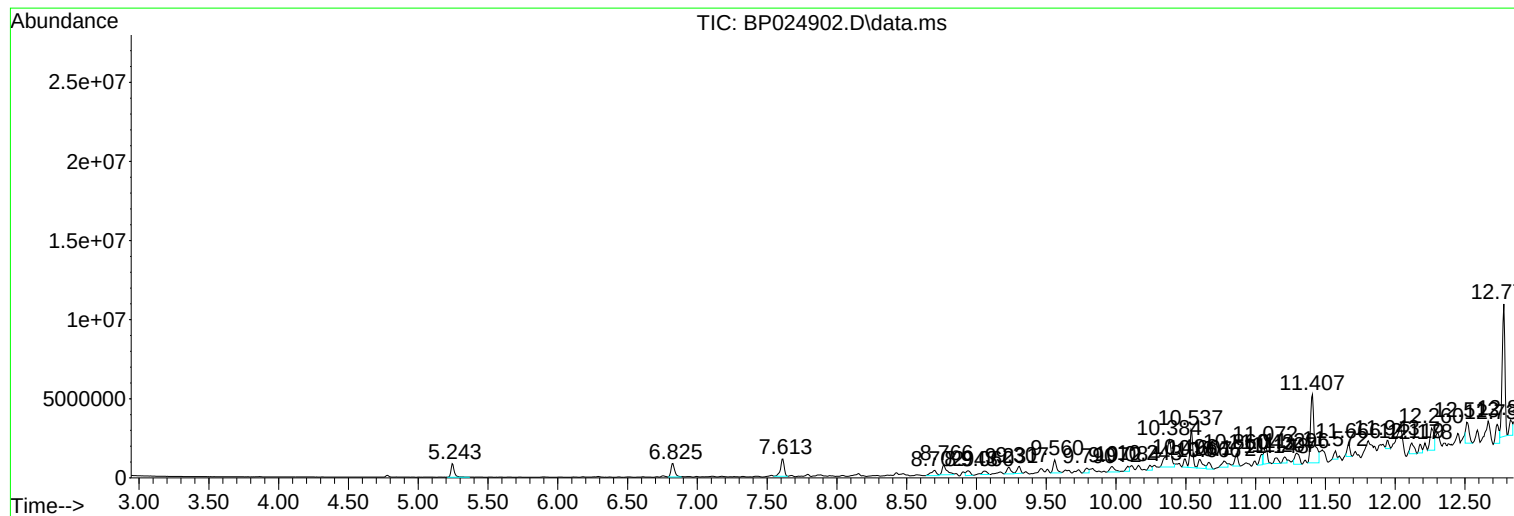
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
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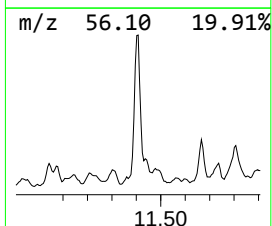
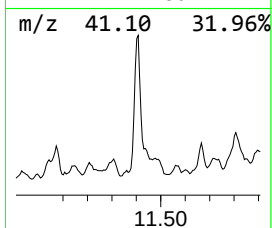
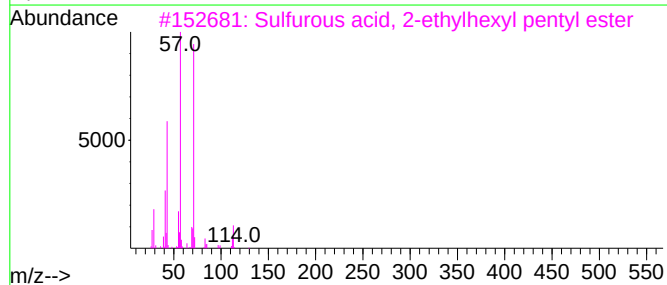
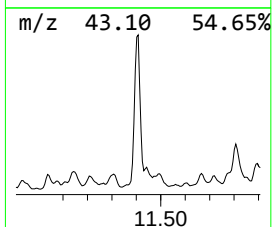
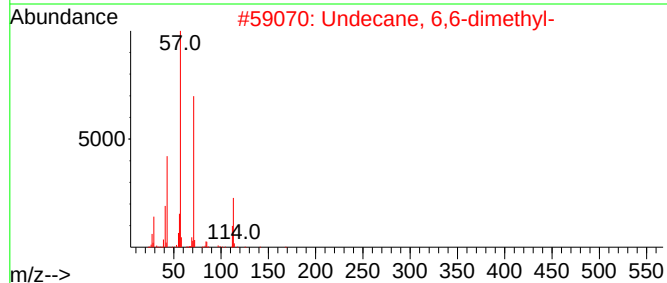
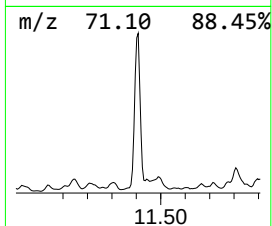
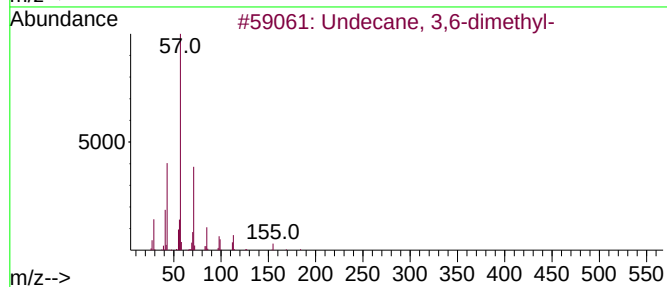
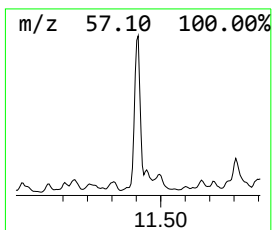
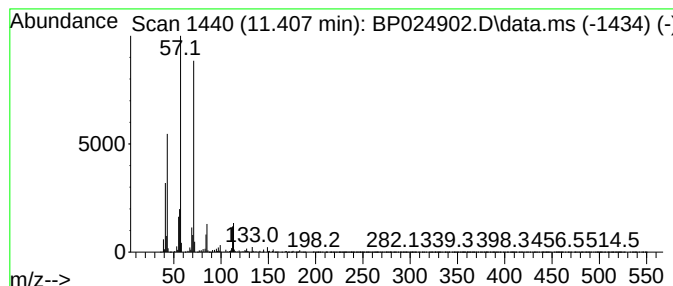
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Undecane, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.407	39.84 ng	8703890	Naphthalene-d8	10.384

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	72
2			Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
3			Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	72
4			Sulfurous acid, octyl 2-propyl e...	236	C11H24O3S	1000309-11-9	59
5			Carbonic acid, 2-ethylhexyl unde...	328	C20H40O3	1000383-13-8	53



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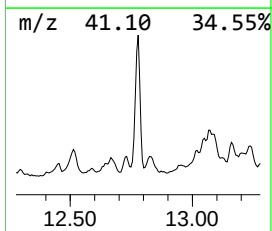
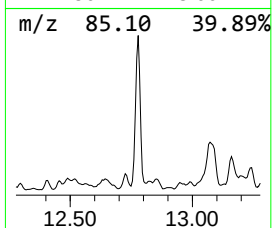
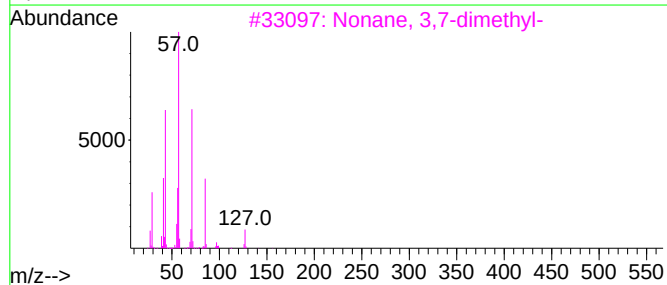
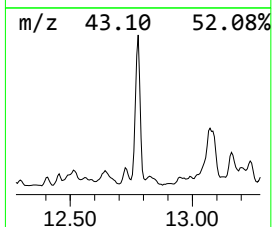
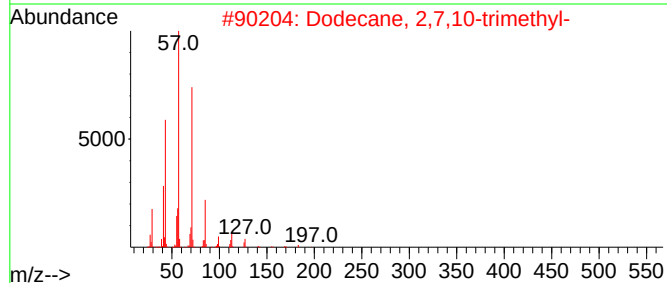
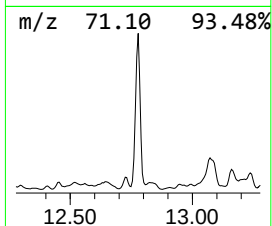
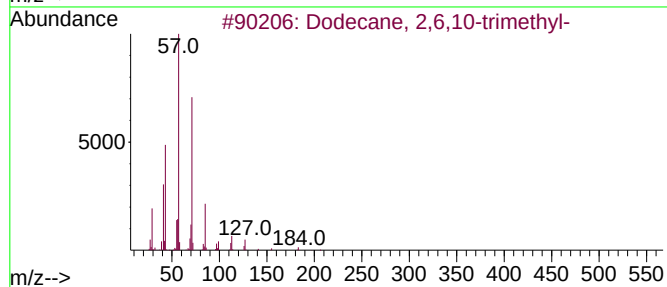
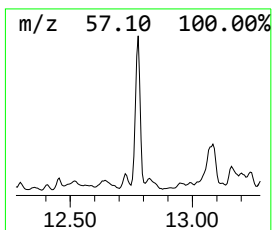
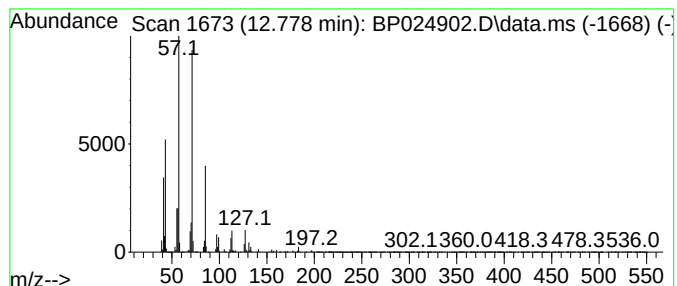
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Dodecane, 2,6,10-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.778	72.65 ng	11279800	Acenaphthene-d10	14.260

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	76
4		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58



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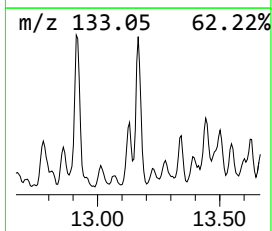
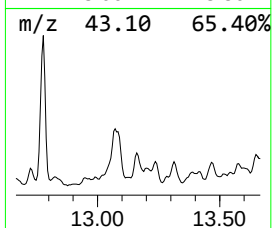
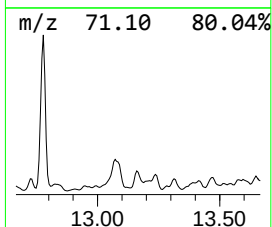
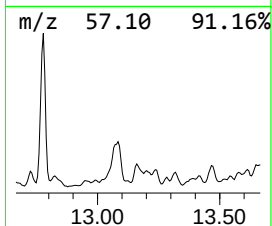
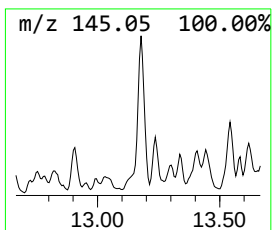
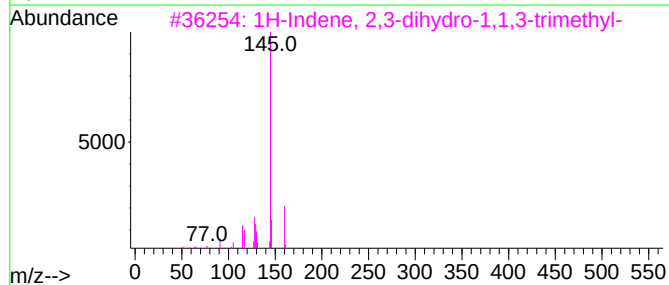
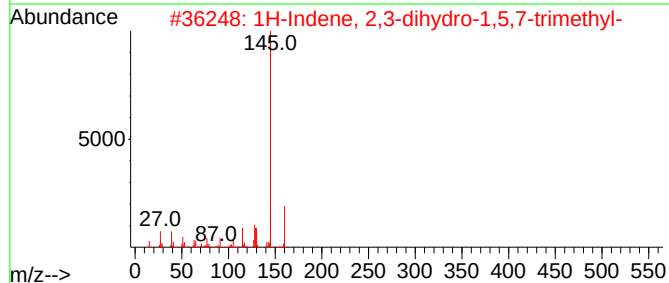
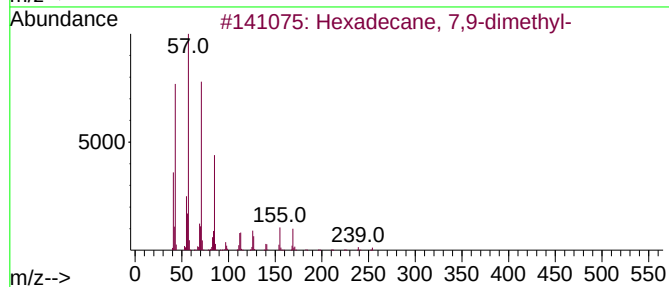
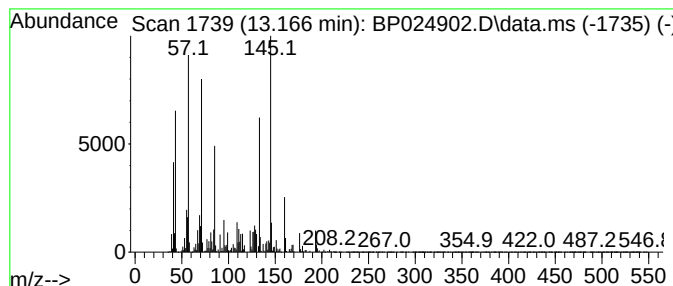
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown13.166 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.166	26.29 ng	4082190	Acenaphthene-d10	14.260	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	42
2	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	42
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	42
4	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	42
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	42



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ClientSampleId :
B27-SOIL-SAMPLE

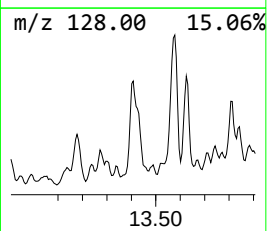
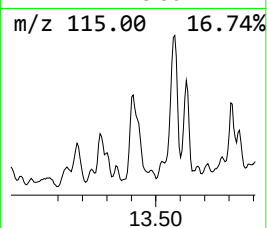
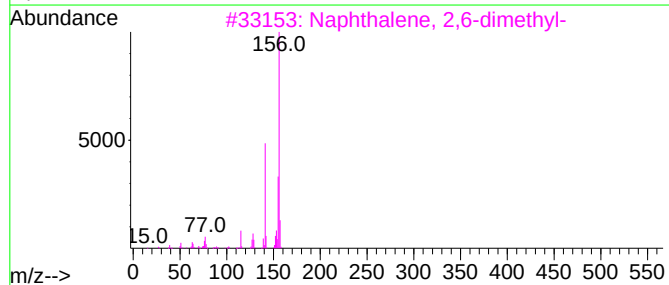
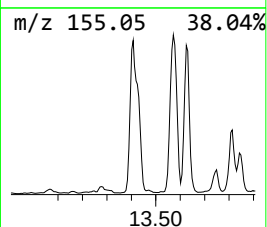
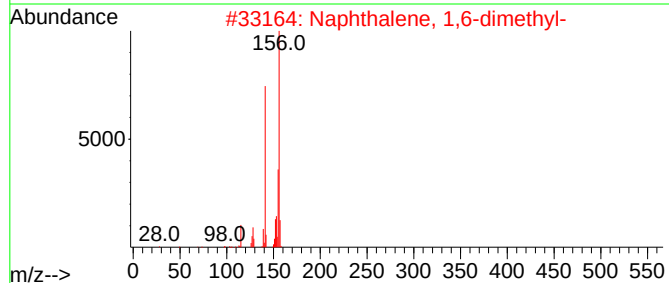
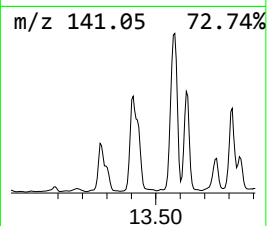
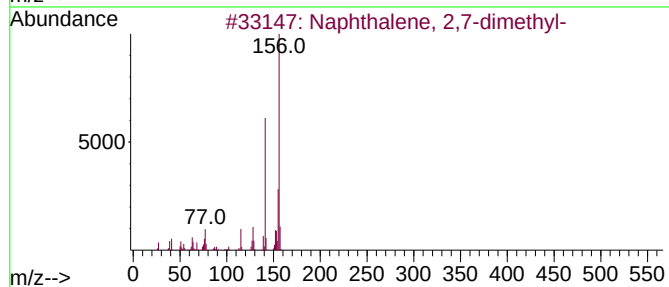
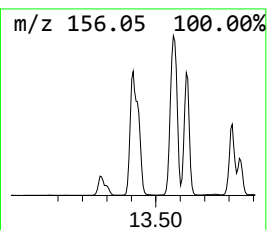
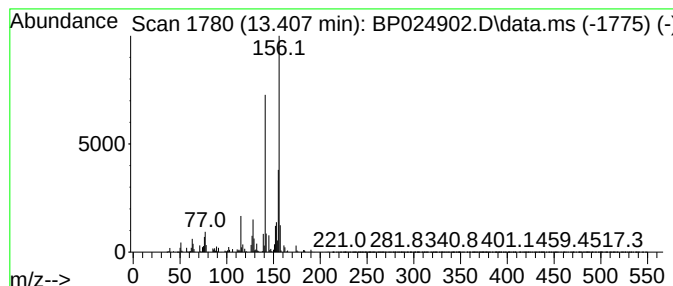
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.407	51.35 ng	7972720	Acenaphthene-d10	14.260

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024902.D
Acq On : 10 Jun 2025 20:32
Operator : RC/JU
Sample : Q2161-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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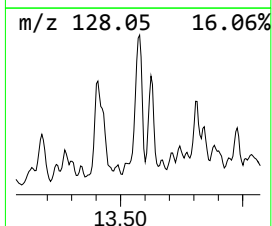
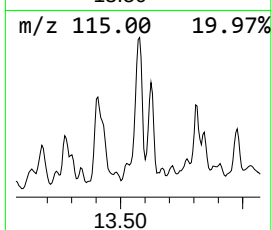
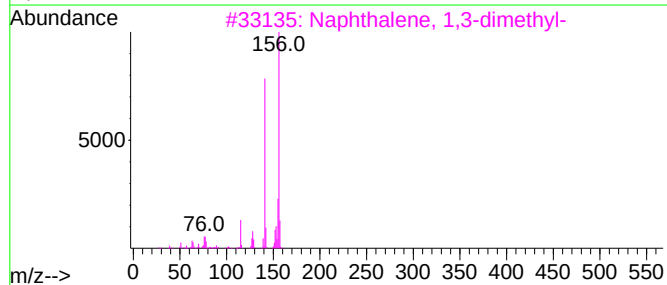
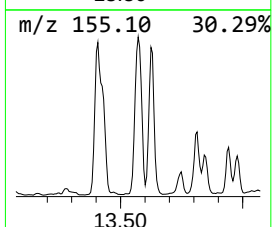
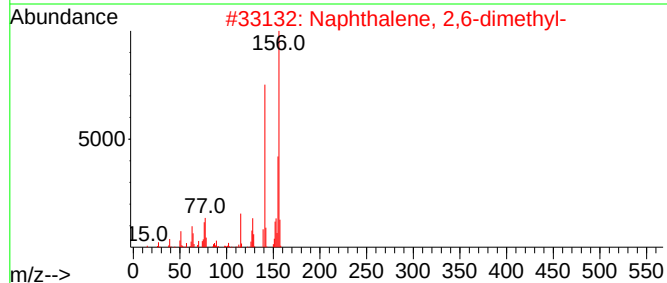
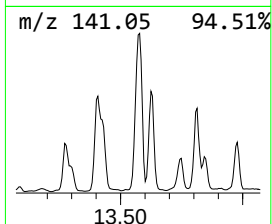
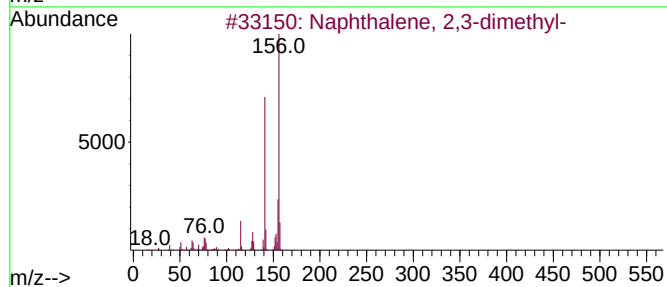
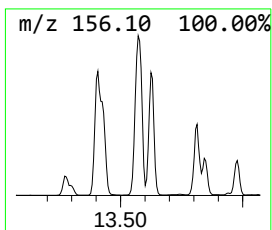
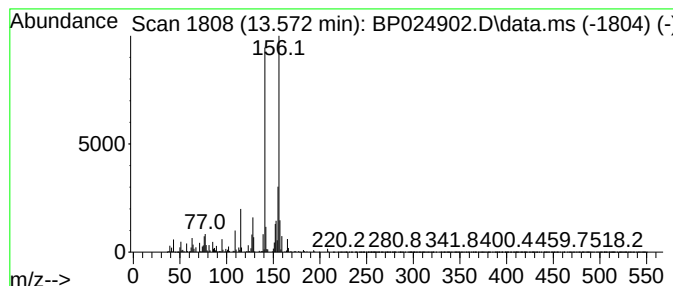
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.572	46.19 ng	7171350	Acenaphthene-d10	14.260

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024902.D
Acq On : 10 Jun 2025 20:32
Operator : RC/JU
Sample : Q2161-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B27-SOIL-SAMPLE

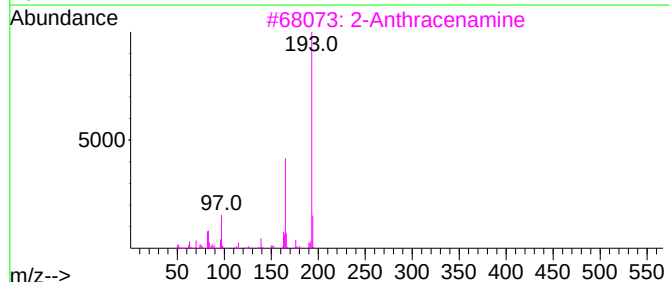
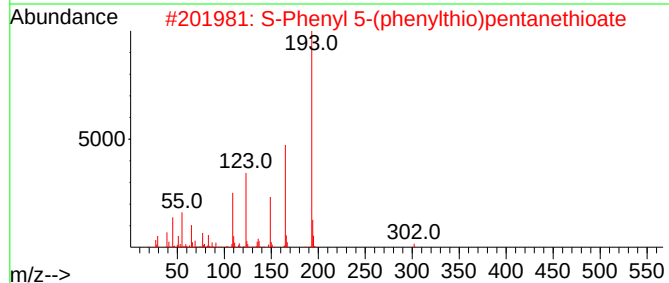
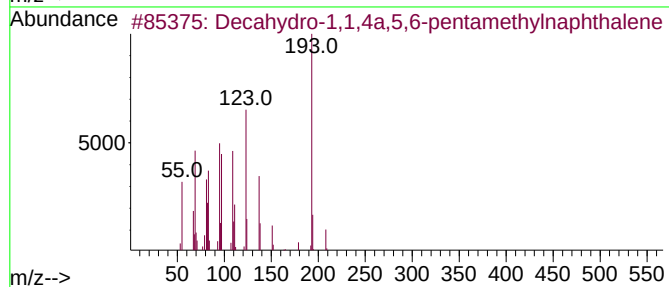
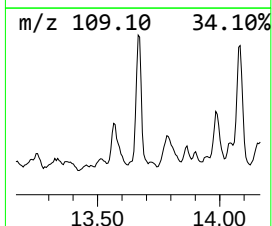
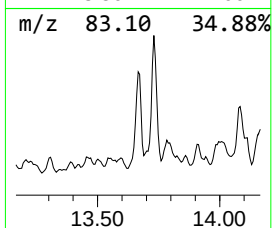
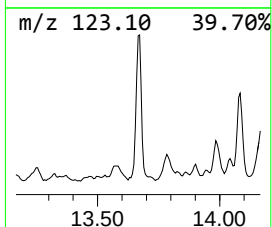
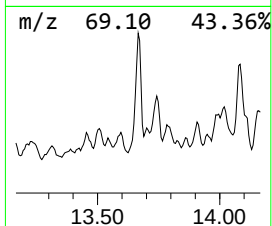
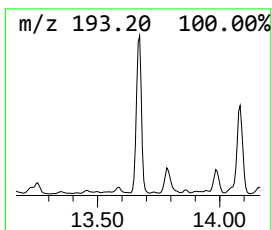
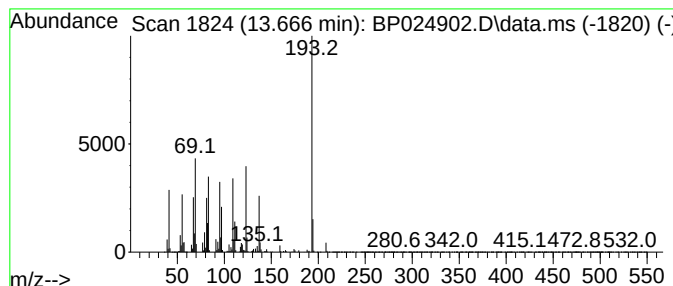
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown13.666 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.666	51.85 ng	8049900	Acenaphthene-d10	14.260

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	38
2			S-Phenyl 5-(phenylthio)pentaneth...	302	C17H18OS2	1000234-40-7	38
3			2-Anthracenamine	193	C14H11N	000613-13-8	35
4			3-((2R,5S)-7-(Cyclohexylsulfonyl...	340	C17H28N2O3S	1000483-82-6	27
5			2-((Trimethylsilyl)thio)nicotino...	208	C9H12N2SSi	1000474-02-5	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024902.D
Acq On : 10 Jun 2025 20:32
Operator : RC/JU
Sample : Q2161-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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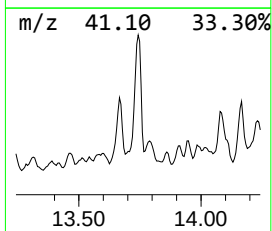
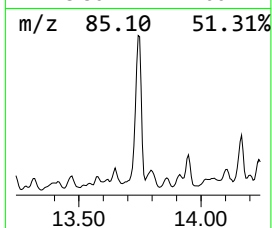
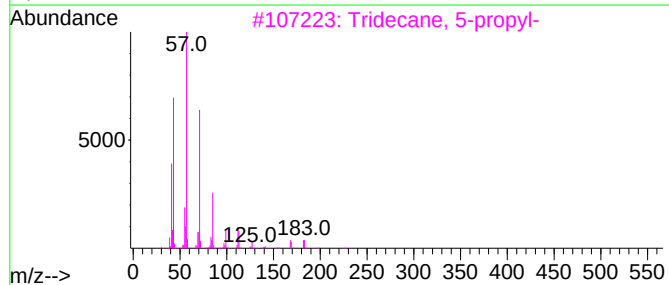
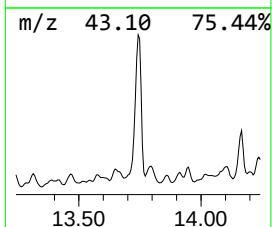
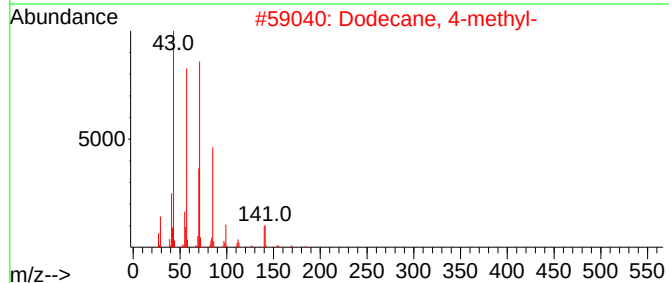
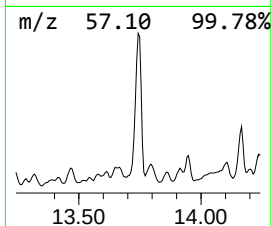
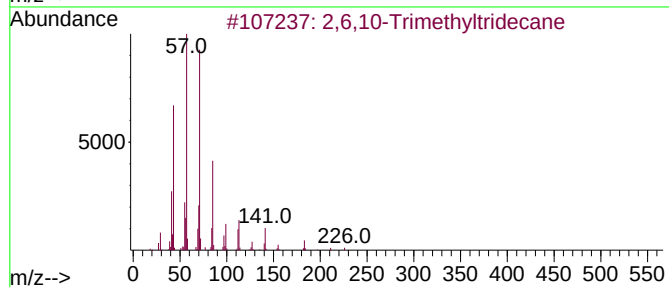
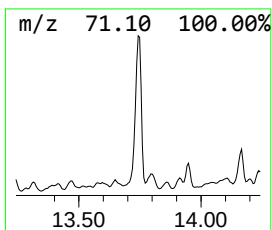
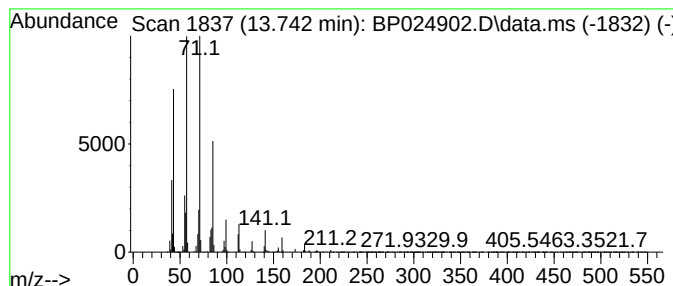
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 2,6,10-Trimethyltridecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.742	99.16 ng	15395000	Acenaphthene-d10	14.260

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	91	
2	Dodecane, 4-methyl-	184	C13H28	006117-97-1	74	
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	70	
4	Decane, 5-propyl-	184	C13H28	017312-62-8	68	
5	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	58	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024902.D
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Sample : Q2161-01 2X
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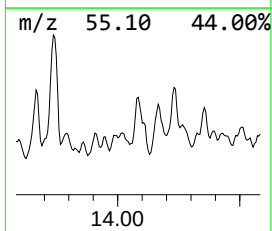
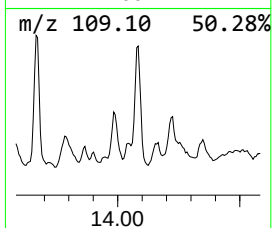
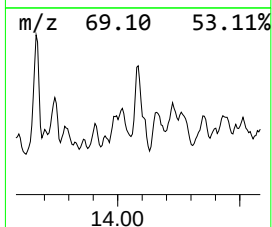
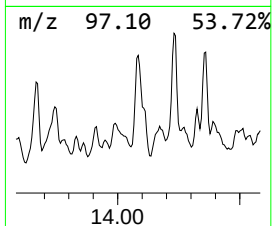
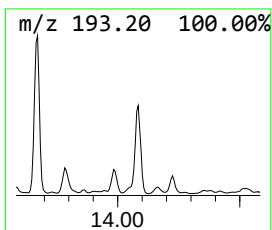
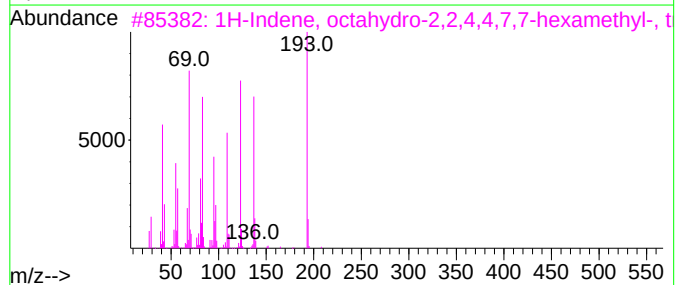
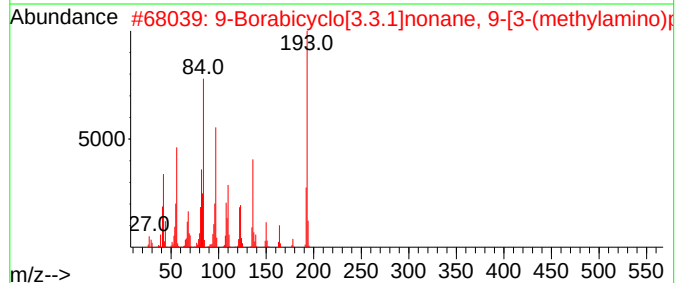
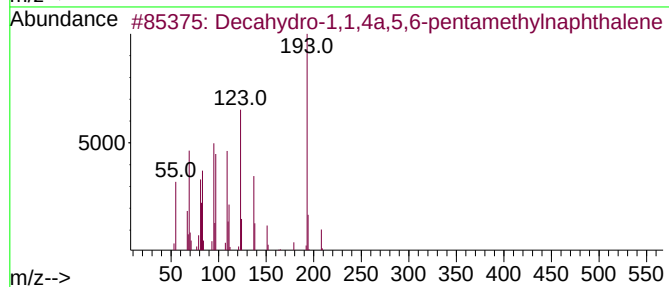
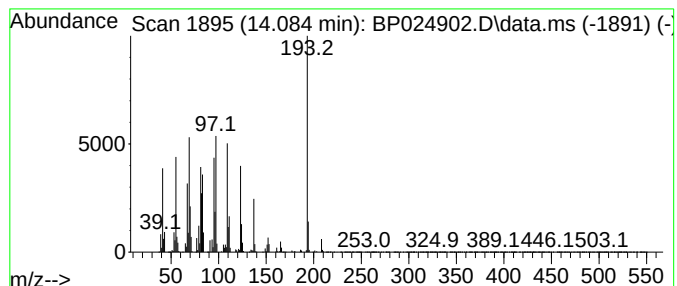
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.084	65.21 ng	10123400	Acenaphthene-d10		14.260	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decahydro-1,1,4a,5,6-pentamethyl...		208	C15H28	080655-44-3	58
2	9-Borabicyclo[3.3.1]nonane, 9-[3...		193	C12H24BN	1010162-56-0	38
3	1H-Indene, octahydro-2,2,4,4,7,7...		208	C15H28	054832-83-6	38
4	1-(p-Fluorophenyl)-4-piperidone		193	C11H12FNO	1000238-56-7	37
5	2,6-Heptadienal, 2,4-dimethyl-		138	C9H14O	085136-08-9	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
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Sample : Q2161-01 2X
Misc :
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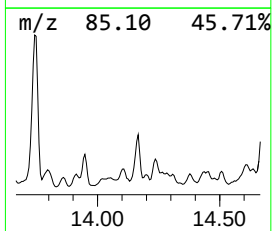
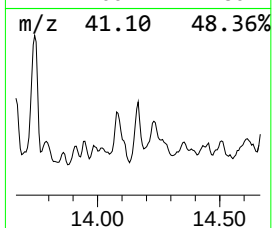
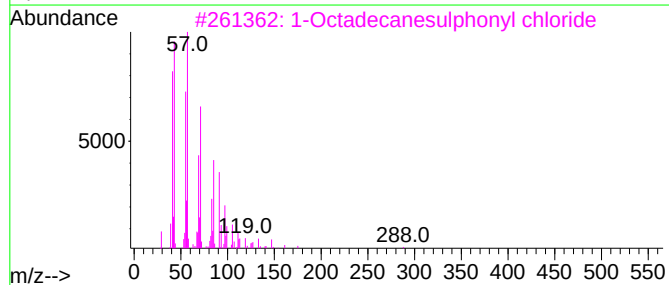
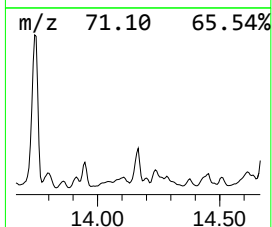
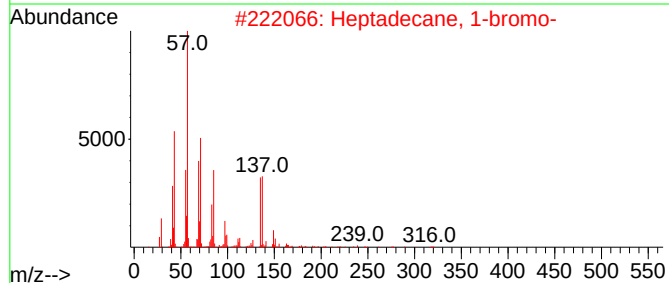
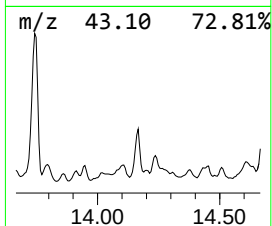
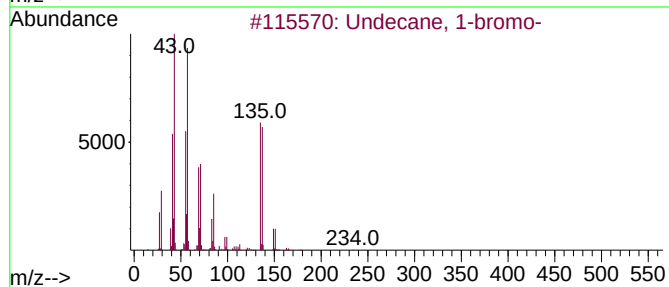
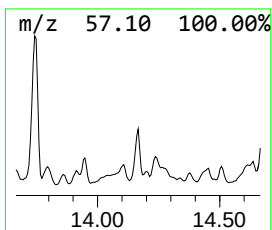
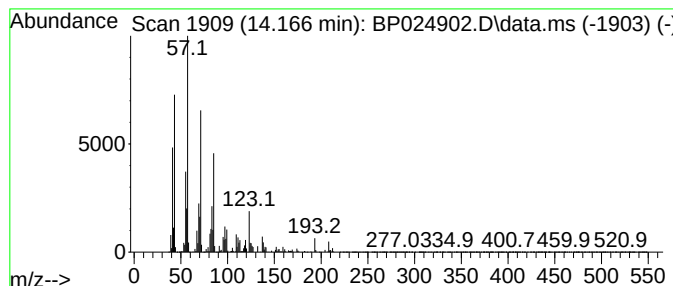
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Undecane, 1-bromo- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.166	49.19 ng	7637010	Acenaphthene-d10	14.260	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 1-bromo-	234	C11H23Br	000693-67-4	90
2	Heptadecane, 1-bromo-	318	C17H35Br	003508-00-7	86
3	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	83
4	Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	80
5	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
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Acq On : 10 Jun 2025 20:32
Operator : RC/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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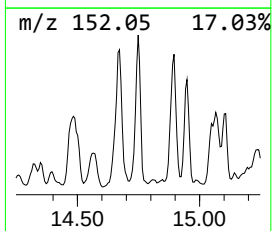
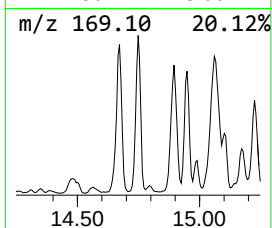
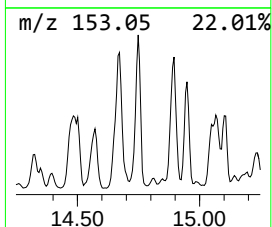
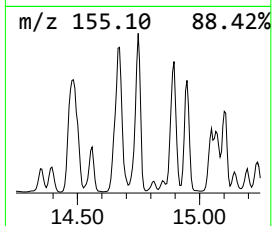
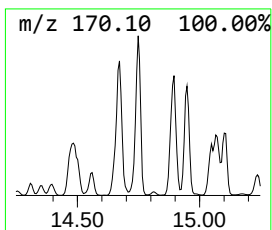
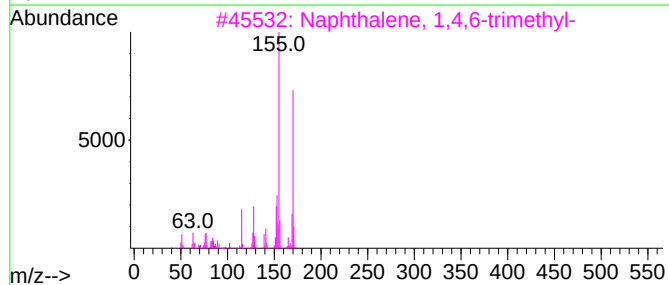
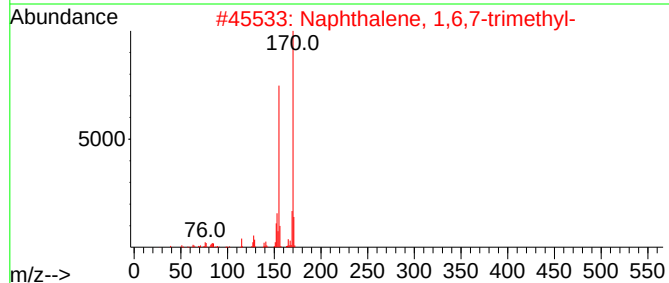
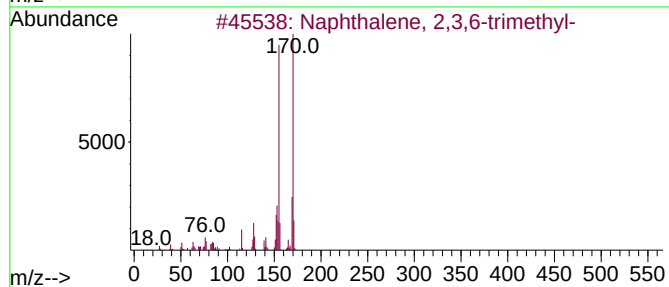
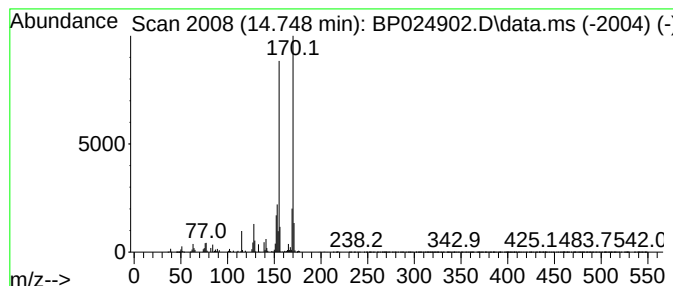
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.748	46.58 ng	7232320	Acenaphthene-d10	14.260

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024902.D
Acq On : 10 Jun 2025 20:32
Operator : RC/JU
Sample : Q2161-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

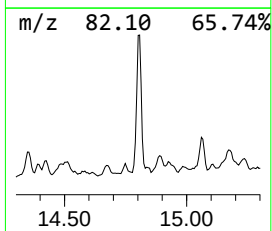
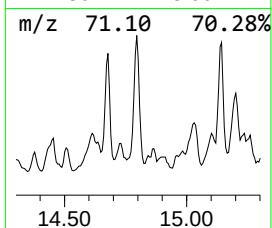
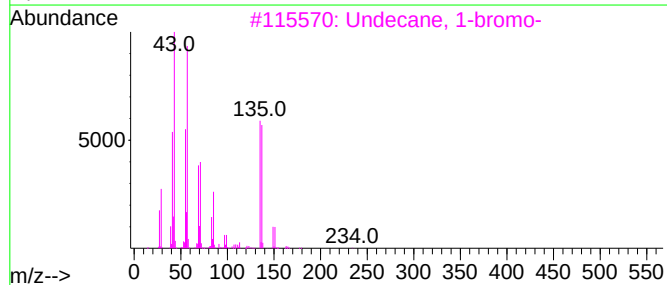
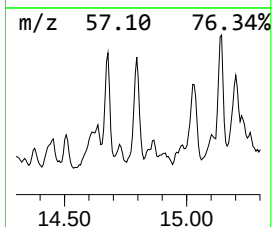
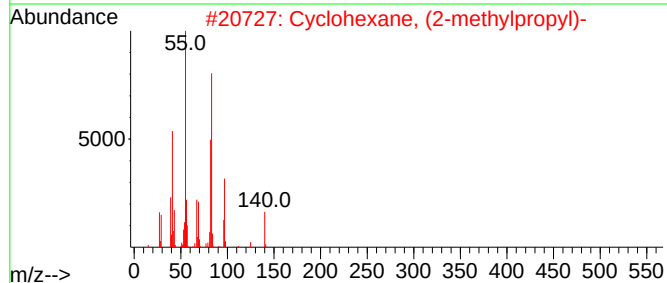
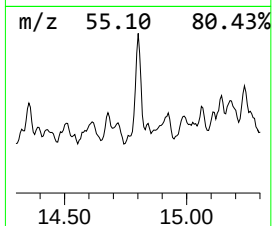
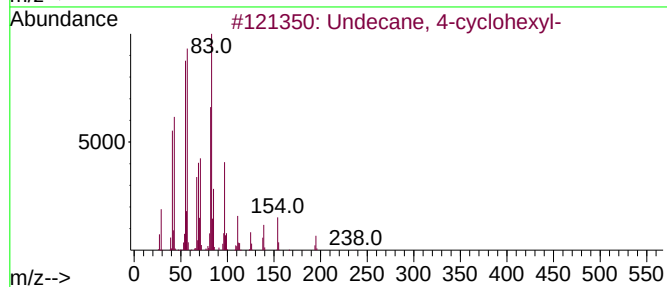
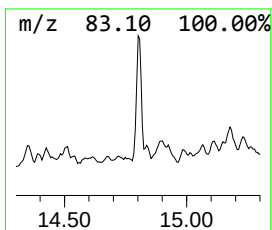
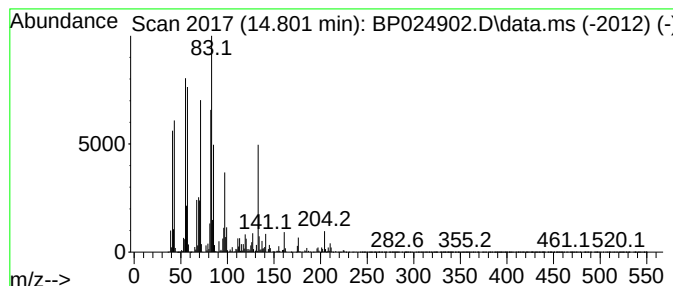
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Undecane, 4-cyclohexyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.801	72.21 ng	11211500	Acenaphthene-d10	14.260	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4-cyclohexyl-	238	C17H34	013151-79-6	53
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	41
3	Undecane, 1-bromo-	234	C11H23Br	000693-67-4	38
4	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	38
5	Cyclohexane, 1,1'-(1,3-propanedi...	208	C15H28	003178-24-3	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024902.D
Acq On : 10 Jun 2025 20:32
Operator : RC/JU
Sample : Q2161-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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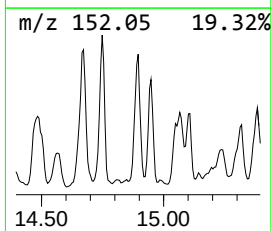
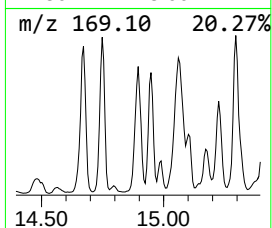
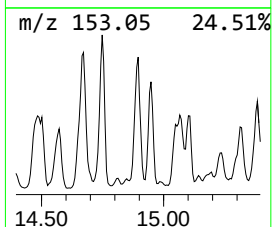
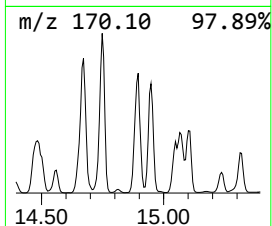
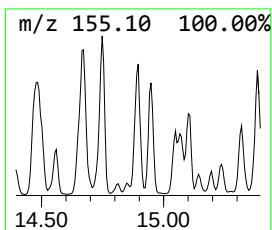
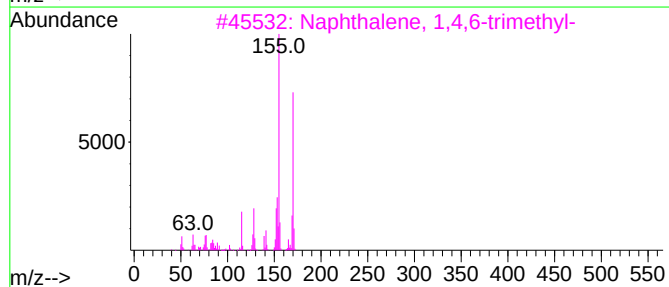
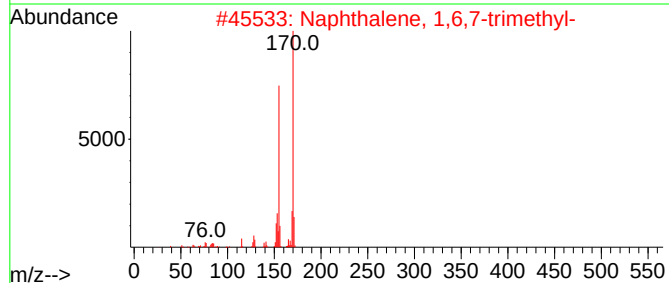
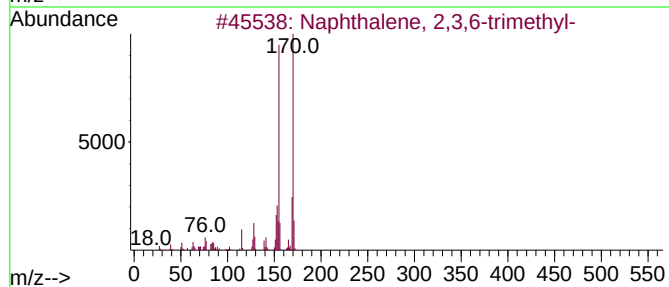
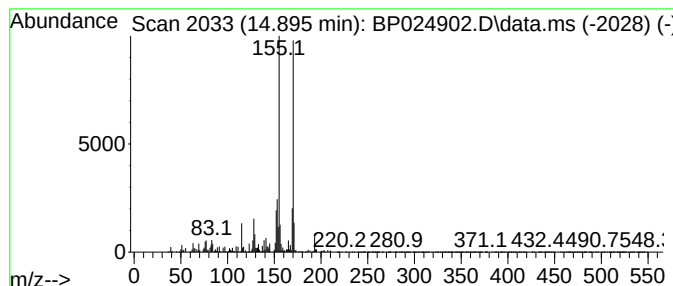
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.895	61.80 ng	9594420	Acenaphthene-d10	14.260

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4			1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	93
5			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024902.D
Acq On : 10 Jun 2025 20:32
Operator : RC/JU
Sample : Q2161-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

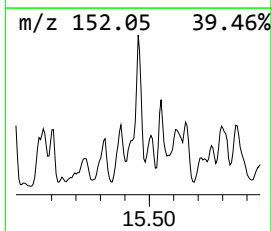
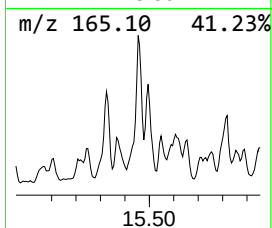
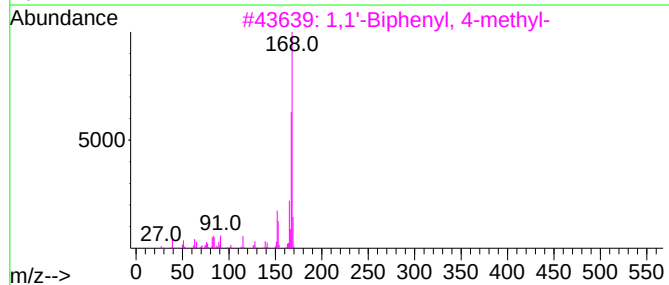
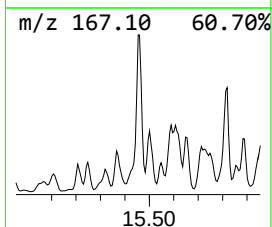
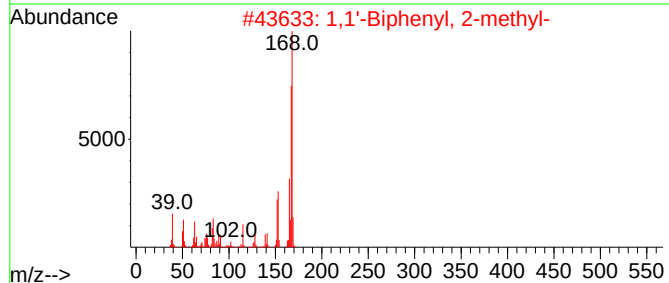
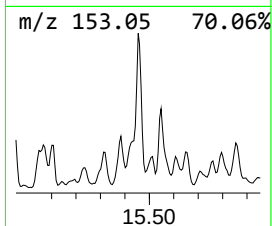
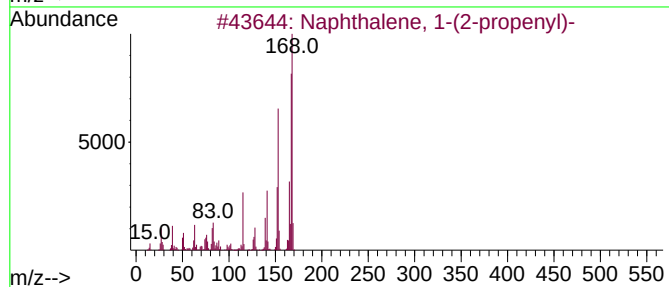
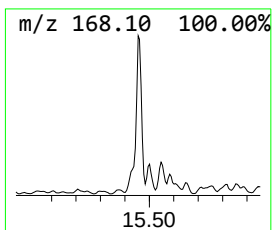
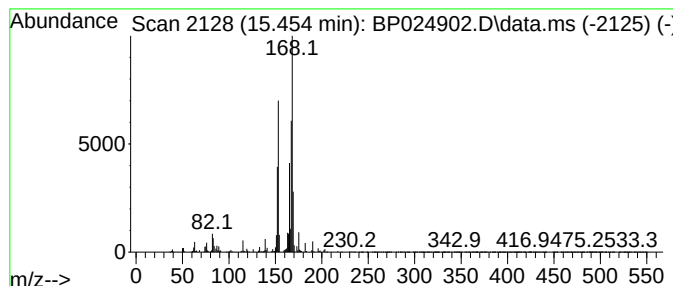
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Naphthalene, 1-(2-propenyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.454	35.57 ng	5521630	Acenaphthene-d10		14.260	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-		168	C13H12	002489-86-3	58
2	1,1'-Biphenyl, 2-methyl-		168	C13H12	000643-58-3	58
3	1,1'-Biphenyl, 4-methyl-		168	C13H12	000644-08-6	52
4	1,1-Diphenyl-2-propanol		212	C15H16O	029338-49-6	50
5	Benzene, [1-(2,4-cyclopentadien-...		168	C13H12	002320-32-3	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024902.D
Acq On : 10 Jun 2025 20:32
Operator : RC/JU
Sample : Q2161-01 2X
Misc :
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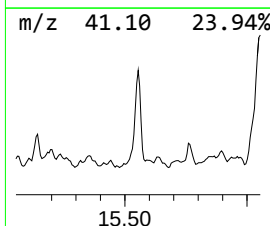
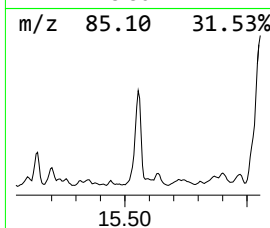
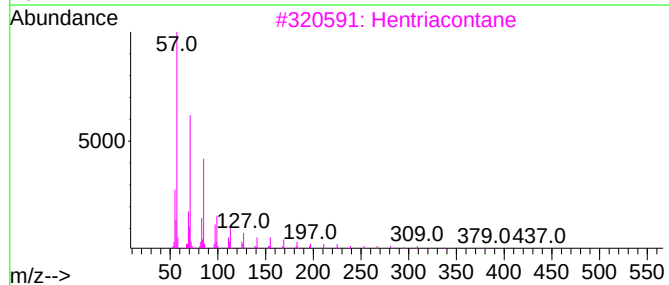
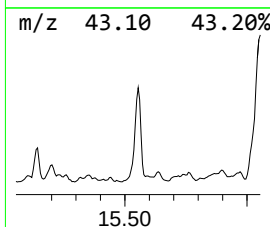
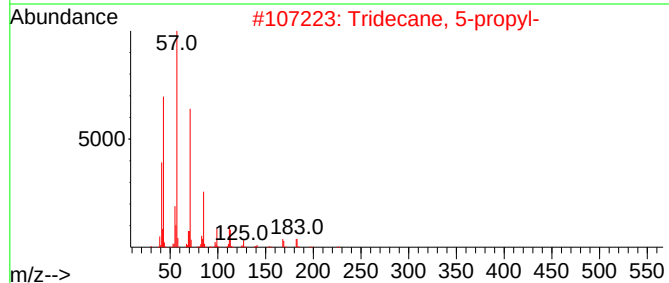
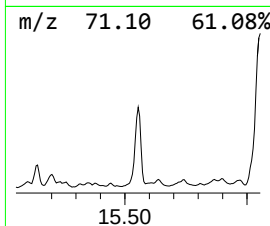
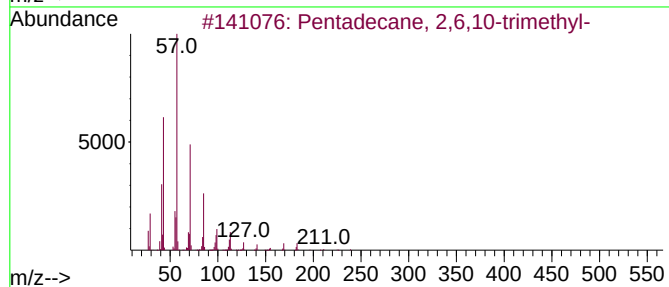
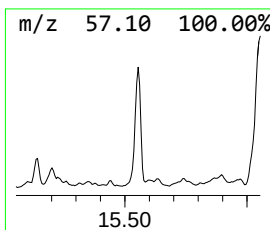
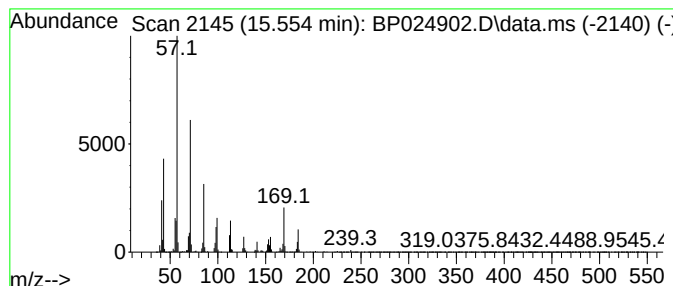
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Pentadecane, 2,6,10-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.554	146.43 ng	22733600	Acenaphthene-d10	14.260	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	89
3	Hentriacontane	437	C31H64	000630-04-6	64
4	Heptacosane	380	C27H56	000593-49-7	58
5	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024902.D
Acq On : 10 Jun 2025 20:32
Operator : RC/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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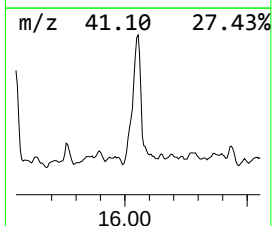
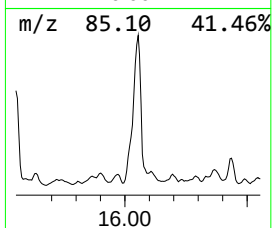
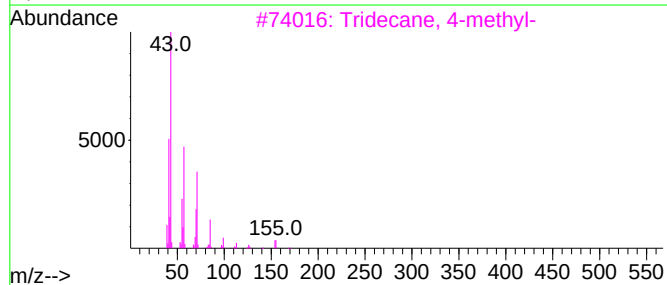
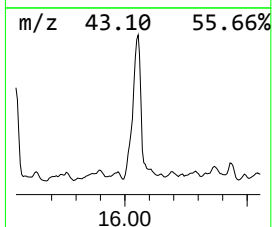
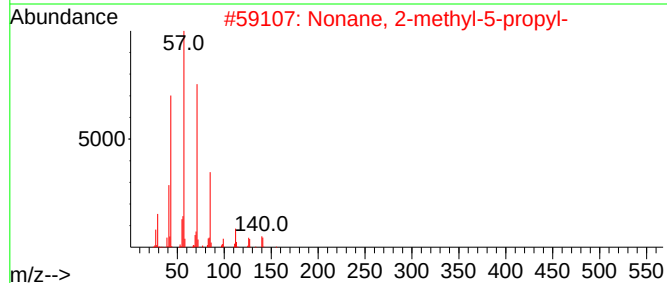
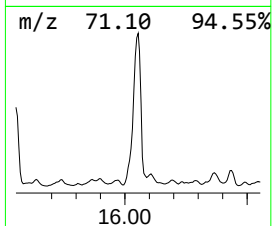
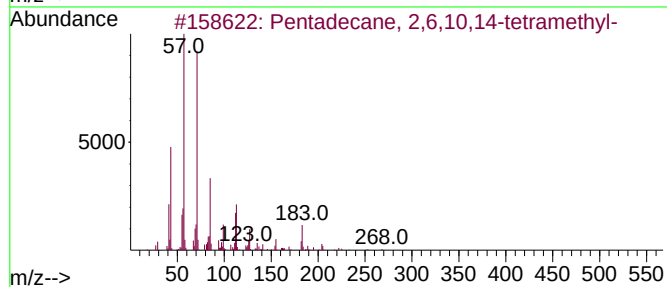
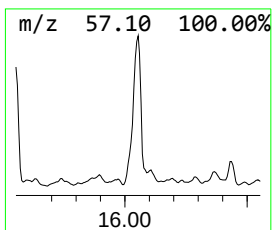
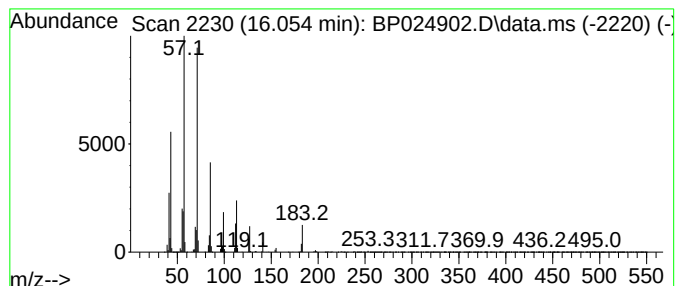
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.054	207.73 ng	50542600	Phenanthrene-d10	17.078

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
2			Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	72
3			Tridecane, 4-methyl-	198	C14H30	026730-12-1	58
4			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	58
5			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024902.D
Acq On : 10 Jun 2025 20:32
Operator : RC/JU
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Misc :
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Instrument :
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ClientSampleId :
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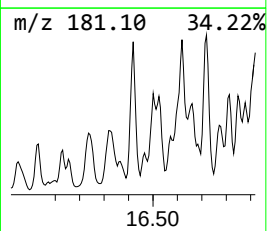
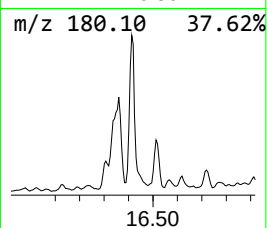
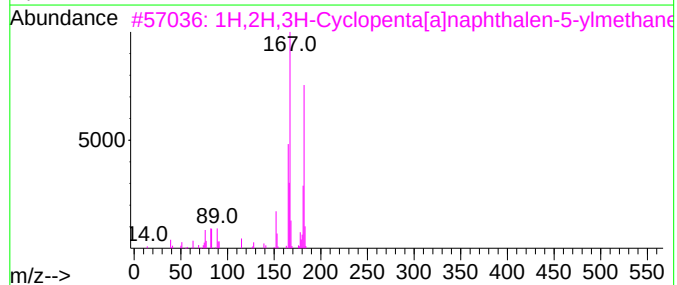
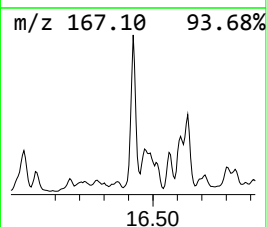
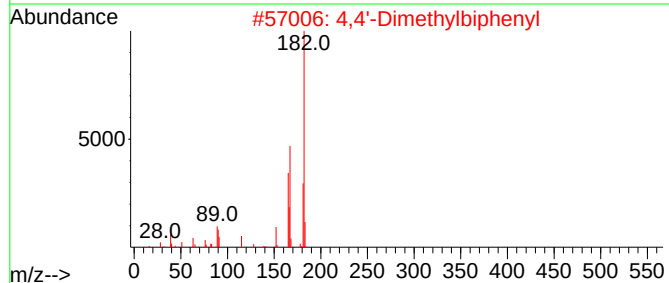
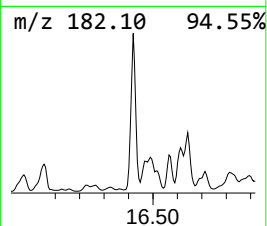
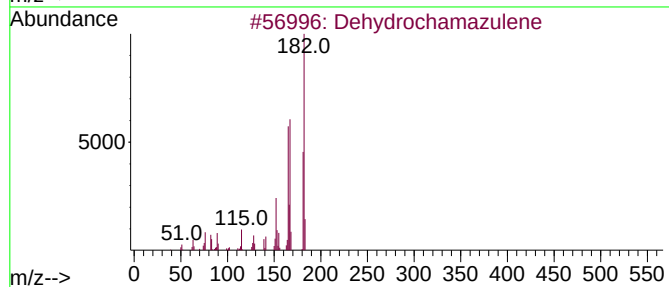
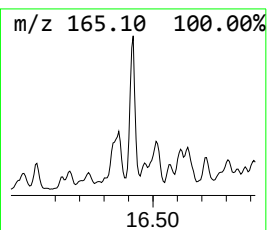
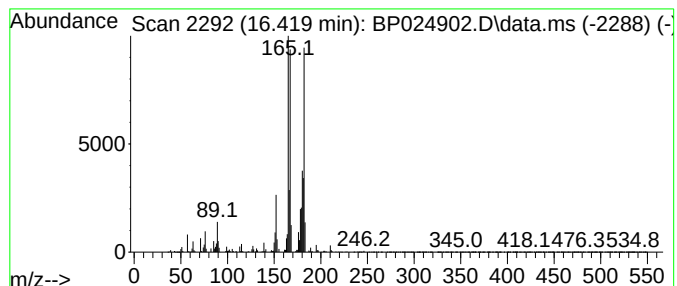
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Dehydrochamazulene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.419	46.18 ng	11235300	Phenanthrene-d10	17.078

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dehydrochamazulene	182	C14H14	321732-25-6	90
2			4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	74
3			1H,2H,3H-Cyclopenta[a]naphthalen...	182	C14H14	001624-22-2	70
4			1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	64
5			3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024902.D
Acq On : 10 Jun 2025 20:32
Operator : RC/JU
Sample : Q2161-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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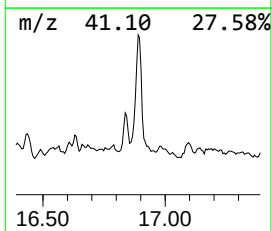
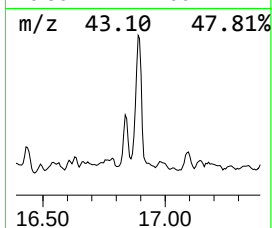
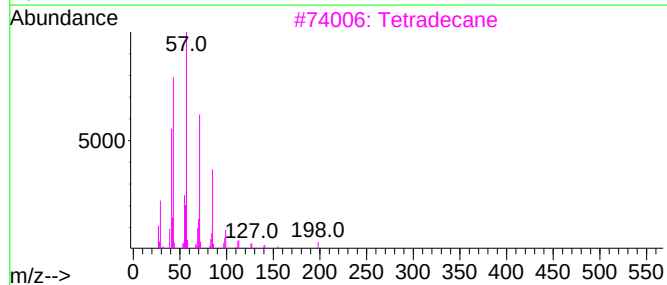
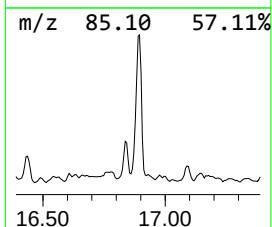
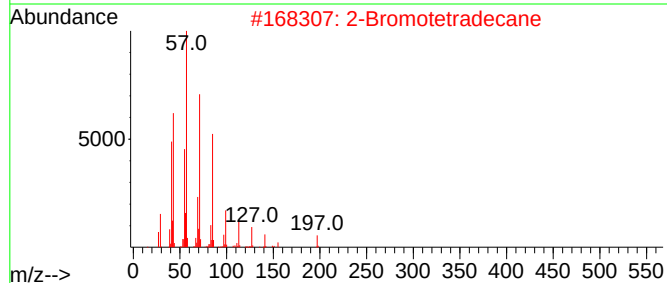
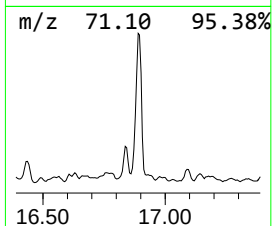
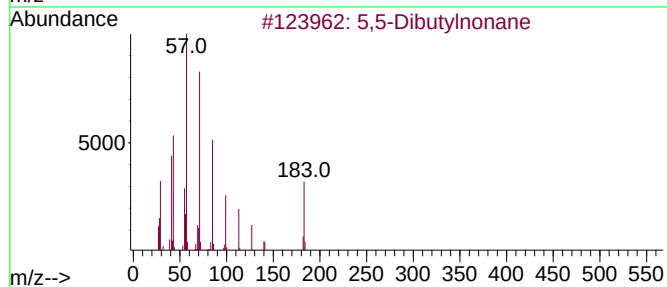
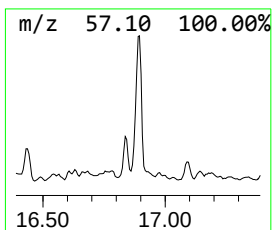
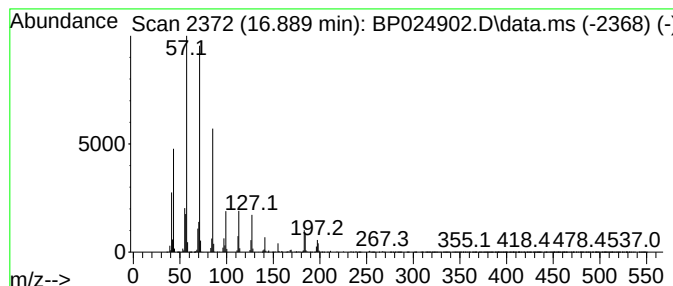
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 5,5-Dibutylnonane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.889	118.76 ng	28896300	Phenanthrene-d10	17.078

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dibutylnonane		240	C17H36	006008-17-9	80
2	2-Bromotetradecane		276	C14H29Br	074036-95-6	80
3	Tetradecane		198	C14H30	000629-59-4	76
4	Tridecane		184	C13H28	000629-50-5	74
5	Heptadecane		240	C17H36	000629-78-7	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
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Acq On : 10 Jun 2025 20:32
Operator : RC/JU
Sample : Q2161-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

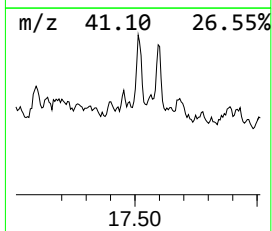
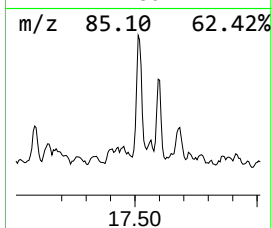
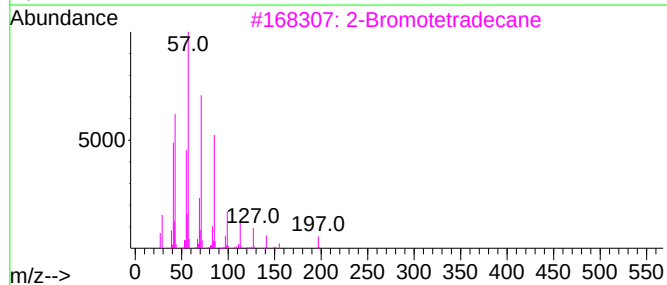
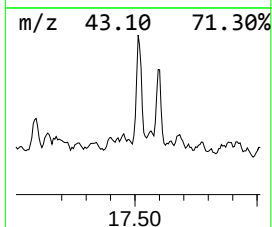
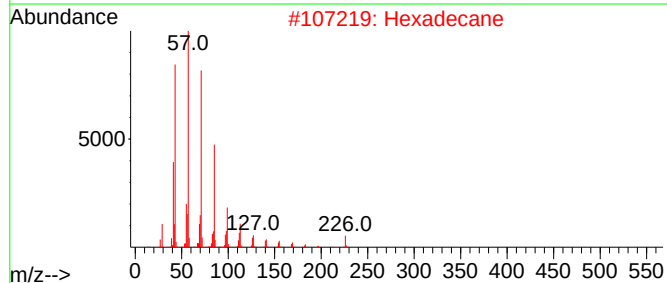
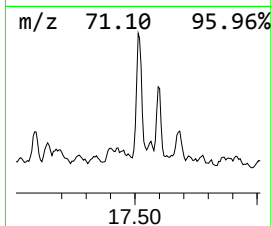
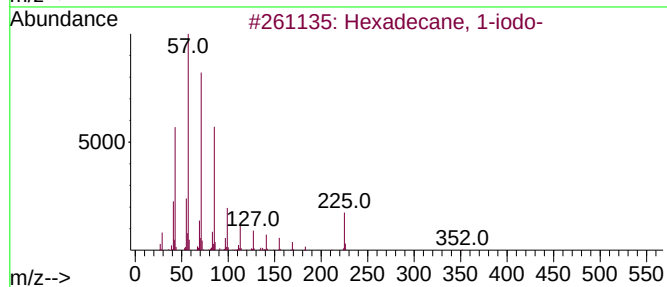
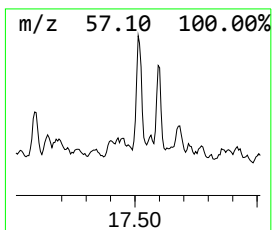
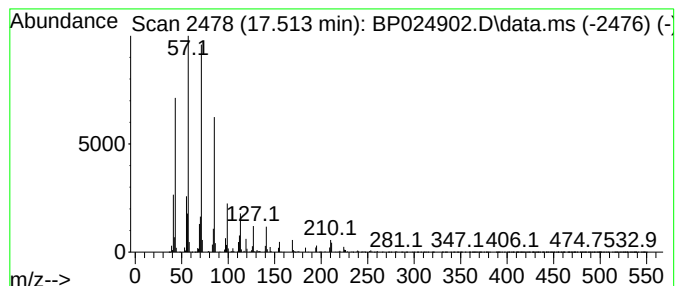
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Hexadecane, 1-iodo- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.513	26.46 ng	6437060	Phenanthrene-d10	17.078

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	87
2			Hexadecane	226	C16H34	000544-76-3	86
3			2-Bromotetradecane	276	C14H29Br	074036-95-6	86
4			Heneicosane	296	C21H44	000629-94-7	86
5			Tridecane, 3-methyl-	198	C14H30	006418-41-3	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024902.D
Acq On : 10 Jun 2025 20:32
Operator : RC/JU
Sample : Q2161-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

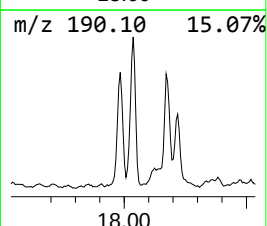
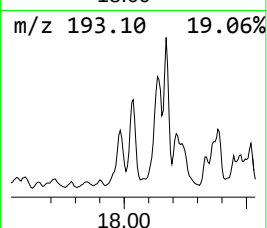
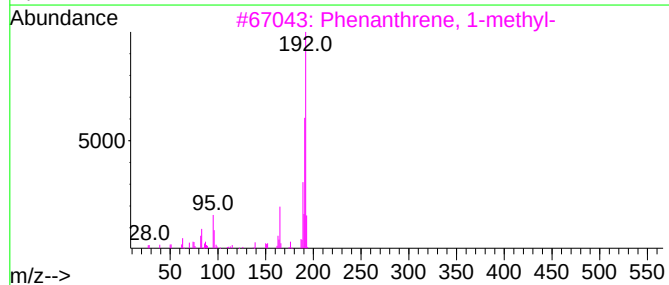
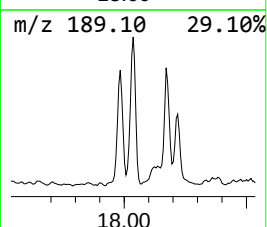
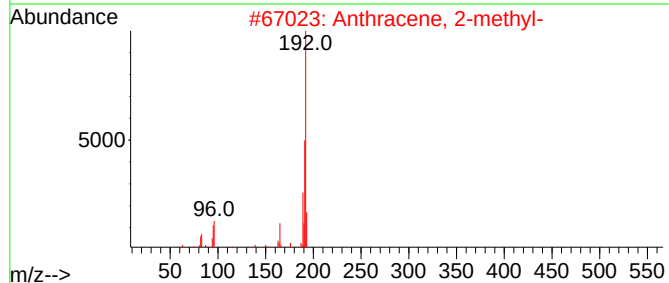
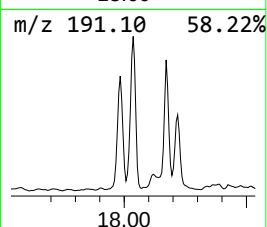
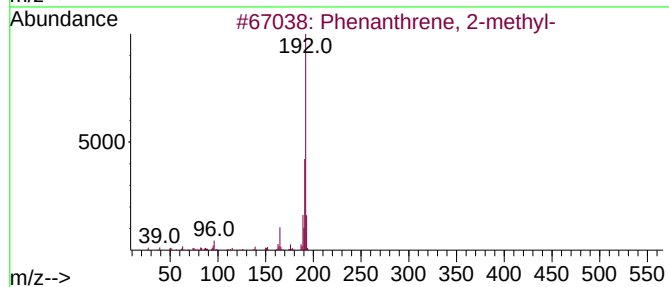
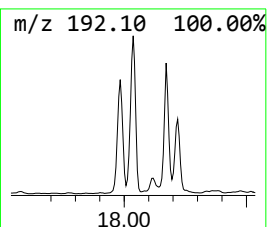
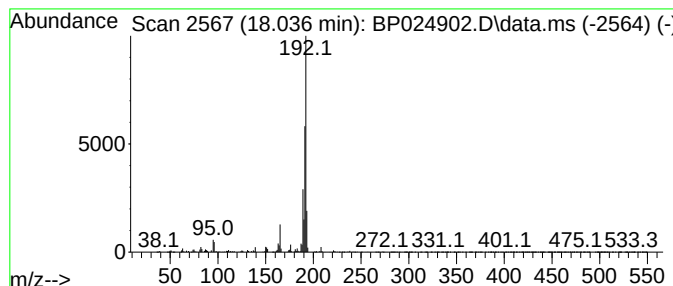
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.036	27.86 ng	6777650	Phenanthrene-d10	17.078

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024902.D
Acq On : 10 Jun 2025 20:32
Operator : RC/JU
Sample : Q2161-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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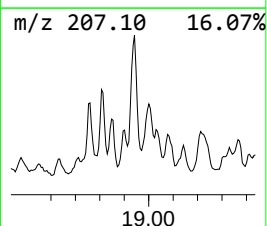
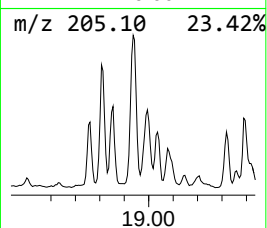
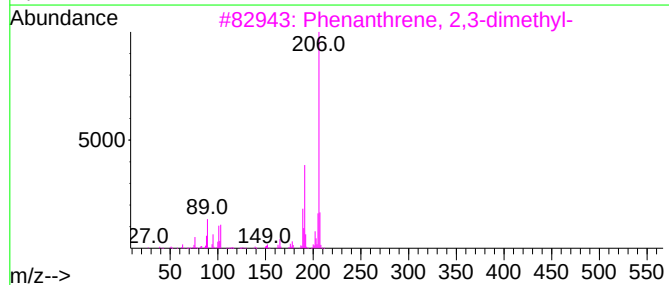
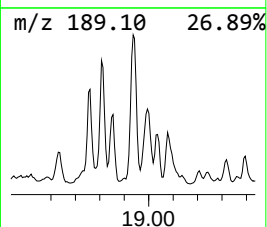
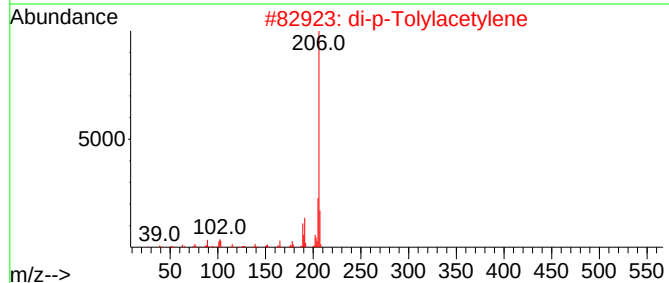
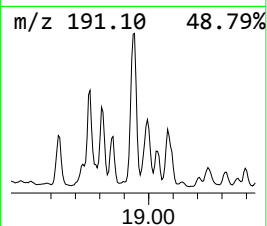
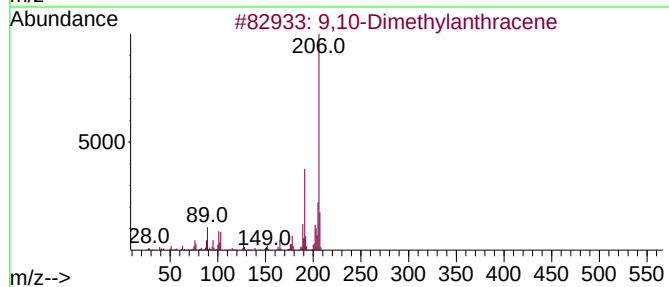
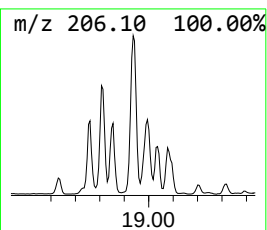
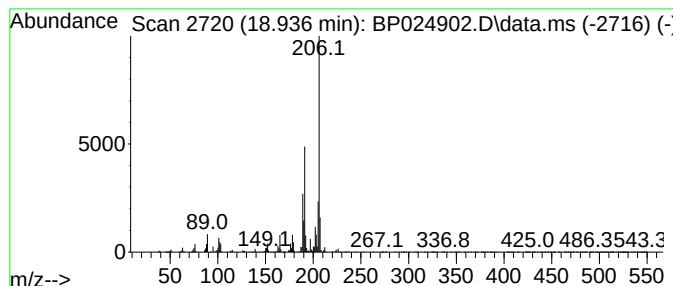
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 9,10-Dimethylantracene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.936	26.69 ng	6494060	Phenanthrene-d10	17.078

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024902.D
Acq On : 10 Jun 2025 20:32
Operator : RC/JU
Sample : Q2161-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B27-SOIL-SAMPLE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Dodecane, 2,6,1...	12.778	72.7	ng	11279800	3	14.260	3105070	20.0
unknown13.166	13.166	26.3	ng	4082190	3	14.260	3105070	20.0
Naphthalene, 2,...	13.407	51.4	ng	7972720	3	14.260	3105070	20.0
Naphthalene, 2,...	13.572	46.2	ng	7171350	3	14.260	3105070	20.0
unknown13.666	13.666	51.9	ng	8049900	3	14.260	3105070	20.0
2,6,10-Trimethy...	13.742	99.2	ng	15395000	3	14.260	3105070	20.0
Decahydro-1,1,4...	14.084	65.2	ng	10123400	3	14.260	3105070	20.0
Undecane, 1-bromo-	14.166	49.2	ng	7637010	3	14.260	3105070	20.0
Naphthalene, 2,...	14.748	46.6	ng	7232320	3	14.260	3105070	20.0
Undecane, 4-cyc...	14.801	72.2	ng	11211500	3	14.260	3105070	20.0
Naphthalene, 1,...	14.895	61.8	ng	9594420	3	14.260	3105070	20.0
Naphthalene, 1-...	15.454	35.6	ng	5521630	3	14.260	3105070	20.0
Pentadecane, 2,...	15.554	146.4	ng	22733600	3	14.260	3105070	20.0
Pentadecane, 2,...	16.054	207.7	ng	50542600	4	17.078	4866250	20.0
Dehydrochamazulene	16.419	46.2	ng	11235300	4	17.078	4866250	20.0
5,5-Dibutylnonane	16.889	118.8	ng	28896300	4	17.078	4866250	20.0
Hexadecane, 1-i...	17.513	26.5	ng	6437060	4	17.078	4866250	20.0
Phenanthrene, 2...	18.036	27.9	ng	6777650	4	17.078	4866250	20.0
9,10-Dimethylan...	18.936	26.7	ng	6494060	4	17.078	4866250	20.0