

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141569.D
 Acq On : 11 Feb 2025 18:27
 Operator : RC/JU
 Sample : Q1346-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

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_F\Methods\8270-BF020625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141569.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.987	488	492	502	rVB2	7950	13528	1.01%	0.063%
2	5.416	560	565	591	rBV	728966	1195594	89.62%	5.611%
3	6.434	732	738	764	rBV	751612	1237519	92.77%	5.807%
4	6.787	793	798	805	rBV	399695	504471	37.82%	2.367%
5	7.345	887	893	905	rBV	610817	803395	60.22%	3.770%
6	7.610	931	938	949	rBV	18357	35475	2.66%	0.166%
7	8.069	1010	1016	1036	rVB	472245	679185	50.91%	3.187%
8	8.298	1049	1055	1064	rBV3	9196	16692	1.25%	0.078%
9	8.781	1132	1137	1144	rBV	19650	26292	1.97%	0.123%
10	8.881	1148	1154	1163	rVB	16777	22366	1.68%	0.105%
11	9.139	1193	1198	1209	rBV	988435	1254074	94.01%	5.885%
12	9.410	1239	1244	1249	rVB	10283	15850	1.19%	0.074%
13	9.481	1251	1256	1258	rBV	20481	28507	2.14%	0.134%
14	9.504	1258	1260	1264	rVB	11867	14361	1.08%	0.067%
15	9.598	1272	1276	1284	rVB	11775	19494	1.46%	0.091%
16	9.681	1284	1290	1295	rBV	26078	34153	2.56%	0.160%
17	9.822	1307	1314	1317	rBV	523748	692472	51.91%	3.250%
18	9.851	1317	1319	1324	rVB	71242	80481	6.03%	0.378%
19	10.028	1344	1349	1352	rVV2	44736	60678	4.55%	0.285%
20	10.063	1352	1355	1361	rVB2	10977	14214	1.07%	0.067%
21	10.139	1362	1368	1370	rBV3	10436	14975	1.12%	0.070%
22	10.228	1377	1383	1390	rBV4	10895	24577	1.84%	0.115%
23	10.369	1402	1407	1412	rVB	65360	87445	6.55%	0.410%
24	10.433	1412	1418	1419	rBV3	14315	23677	1.77%	0.111%
25	10.533	1430	1435	1442	rVB2	190471	251243	18.83%	1.179%
26	10.610	1442	1448	1454	rBV	596153	795699	59.65%	3.734%
27	10.733	1463	1469	1475	rVB4	15231	26790	2.01%	0.126%
28	10.839	1483	1487	1494	rBV	27150	35207	2.64%	0.165%
29	10.916	1494	1500	1503	rBV3	26726	48393	3.63%	0.227%
30	10.992	1507	1513	1517	rVB6	6958	13553	1.02%	0.064%
31	11.045	1517	1522	1524	rBV3	23643	38895	2.92%	0.183%
32	11.110	1530	1533	1537	rVB	32420	41272	3.09%	0.194%
33	11.163	1537	1542	1546	rVV3	34630	65527	4.91%	0.308%
34	11.204	1546	1549	1556	rVB	33183	44873	3.36%	0.211%
35	11.304	1561	1566	1568	rBV	471599	628465	47.11%	2.949%
36	11.328	1568	1570	1575	rVV	597835	733045	54.95%	3.440%

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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_F\Methods\8270-BF020625.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.380	1575	1579	1583	rVV	147078	197864	14.83%	0.929%
38	11.416	1583	1585	1591	rVV2	23598	30324	2.27%	0.142%
39	11.539	1600	1606	1614	rBV2	63002	122836	9.21%	0.576%
40	11.604	1614	1617	1620	rVV2	21185	29857	2.24%	0.140%
41	11.639	1620	1623	1629	rVV5	17410	32177	2.41%	0.151%
42	11.716	1630	1636	1640	rVB4	11884	25272	1.89%	0.119%
43	11.810	1647	1652	1654	rBV	94371	139796	10.48%	0.656%
44	11.833	1654	1656	1661	rVV	190273	248425	18.62%	1.166%
45	11.880	1661	1664	1667	rVV	54283	73545	5.51%	0.345%
46	11.922	1667	1671	1679	rVB2	147006	291519	21.85%	1.368%
47	11.992	1679	1683	1684	rBV2	16904	19271	1.44%	0.090%
48	12.104	1694	1702	1705	rBV	59586	98556	7.39%	0.463%
49	12.133	1705	1707	1711	rVB	43461	44134	3.31%	0.207%
50	12.251	1722	1727	1730	rBV3	29857	45816	3.43%	0.215%
51	12.280	1730	1732	1735	rBV	12968	14172	1.06%	0.067%
52	12.357	1741	1745	1748	rBV	55098	74952	5.62%	0.352%
53	12.398	1748	1752	1757	rVV2	39206	70066	5.25%	0.329%
54	12.445	1757	1760	1765	rVB3	61542	85493	6.41%	0.401%
55	12.522	1767	1773	1778	rBV	770876	981980	73.61%	4.608%
56	12.580	1778	1783	1786	rBV2	18017	32449	2.43%	0.152%
57	12.616	1786	1789	1792	rBV	19005	23832	1.79%	0.112%
58	12.669	1792	1798	1804	rVB5	23161	49665	3.72%	0.233%
59	12.751	1804	1812	1817	rBV2	617211	998659	74.86%	4.687%
60	12.798	1817	1820	1826	rVB2	50862	74946	5.62%	0.352%
61	12.892	1827	1836	1843	rVB	745295	1066978	79.98%	5.007%
62	12.969	1843	1849	1856	rBV4	82533	177741	13.32%	0.834%
63	13.074	1859	1867	1871	rVB2	112502	235179	17.63%	1.104%
64	13.145	1871	1879	1881	rBV	62381	101960	7.64%	0.478%
65	13.180	1881	1885	1892	rVV2	112824	199098	14.92%	0.934%
66	13.239	1892	1895	1897	rVV	19160	22844	1.71%	0.107%
67	13.274	1897	1901	1903	rVV	43272	56035	4.20%	0.263%
68	13.304	1903	1906	1914	rVB2	50225	76306	5.72%	0.358%
69	13.498	1928	1939	1943	rBV7	35940	121324	9.09%	0.569%
70	13.586	1947	1954	1962	rBV2	94739	201712	15.12%	0.947%
71	13.692	1967	1972	1975	rBV2	77385	129080	9.68%	0.606%
72	13.722	1975	1977	1980	rVV	29869	31622	2.37%	0.148%
73	13.792	1986	1989	1993	rVB	90466	114696	8.60%	0.538%
74	13.945	2007	2015	2018	rBV2	768280	1334034	100.00%	6.260%
75	13.974	2018	2020	2027	rVB	381976	452190	33.90%	2.122%
76	14.051	2030	2033	2037	rVB	28041	32648	2.45%	0.153%

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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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.098	2038	2041	2046	rBV5	21918	50791	3.81%	0.238%
78	14.269	2067	2070	2072	rBV3	19041	25675	1.92%	0.120%
79	14.339	2078	2082	2085	rVV	91214	117593	8.81%	0.552%
80	14.374	2085	2088	2092	rVB	47790	57949	4.34%	0.272%
81	14.469	2101	2104	2106	rBV	32551	42770	3.21%	0.201%
82	14.651	2131	2135	2138	rBV	35542	59171	4.44%	0.278%
83	14.727	2145	2148	2151	rBV3	23156	31515	2.36%	0.148%
84	14.992	2187	2193	2201	rBV	401022	929522	69.68%	4.362%
85	15.092	2207	2210	2214	rVB	75450	92117	6.91%	0.432%
86	15.192	2222	2227	2231	rBV	28507	69276	5.19%	0.325%
87	15.280	2238	2242	2248	rVB	199933	326204	24.45%	1.531%
88	15.345	2248	2253	2258	rVB	317282	454593	34.08%	2.133%
89	15.404	2258	2263	2276	rBV2	361670	733505	54.98%	3.442%
90	16.839	2501	2507	2515	rVB2	124855	271949	20.39%	1.276%
91	17.010	2532	2536	2541	rBV	27648	50144	3.76%	0.235%
92	17.274	2574	2581	2596	rVB	84033	214786	16.10%	1.008%

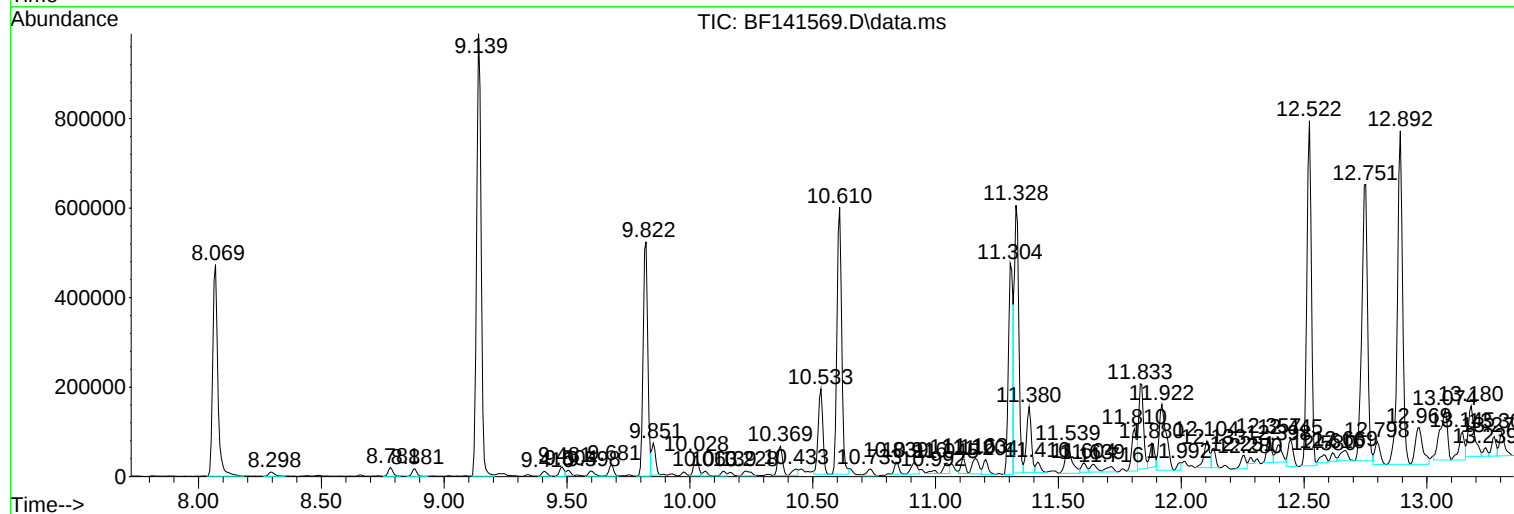
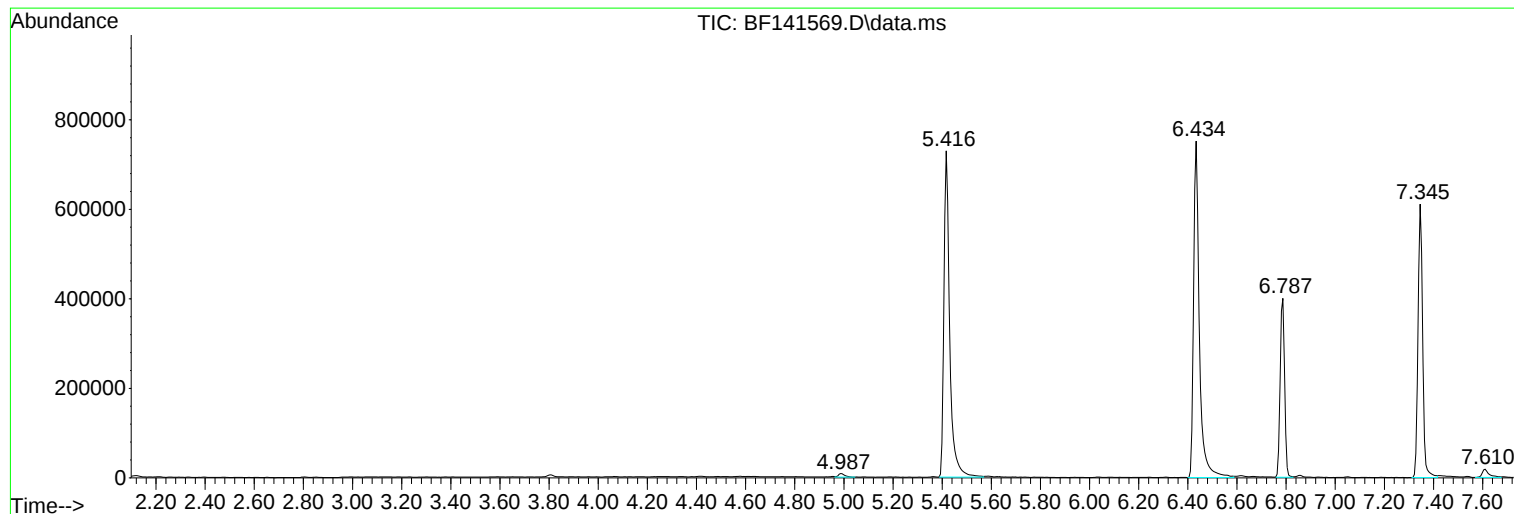
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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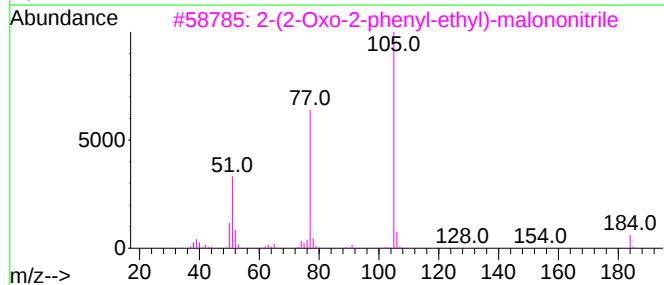
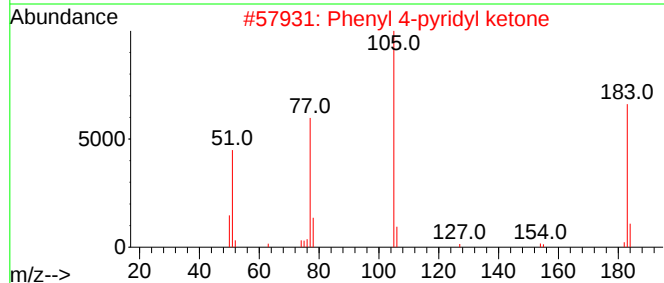
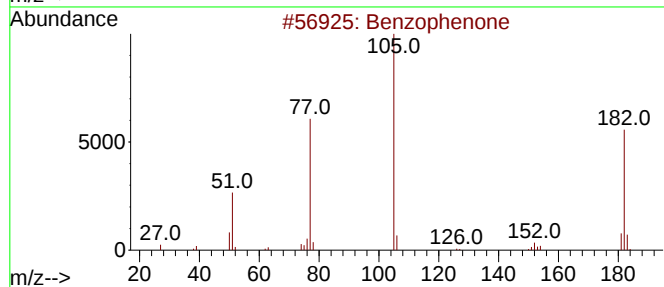
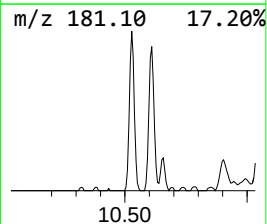
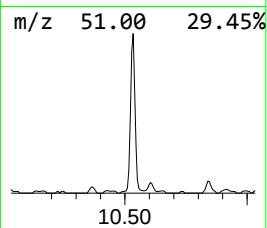
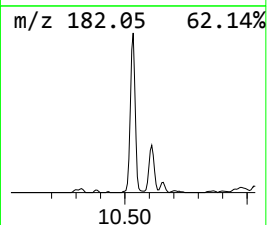
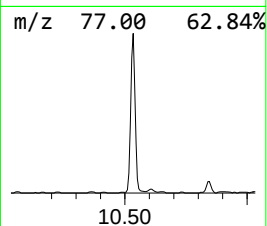
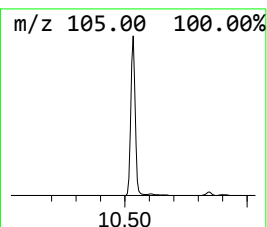
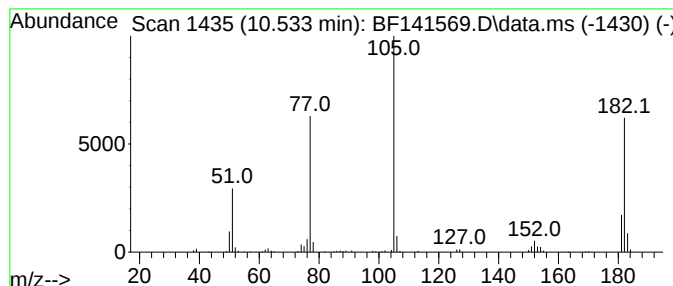
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.534	7.26 ng	251243	Acenaphthene-d10	9.822

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3			2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	53
4			Vinyl benzoate	148	C9H8O2	000769-78-8	47
5			1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47



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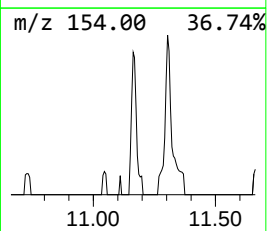
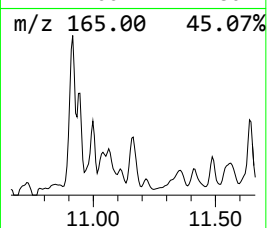
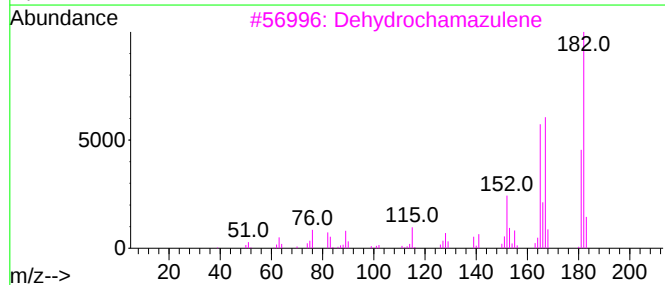
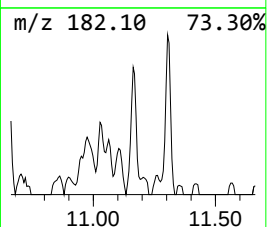
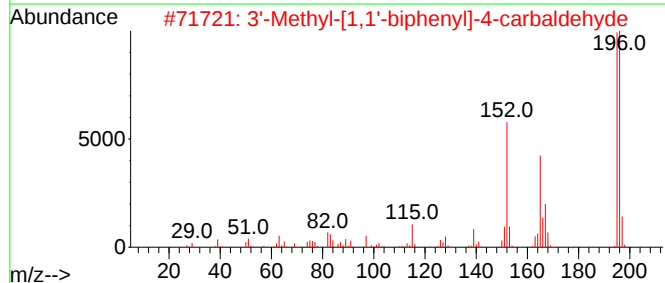
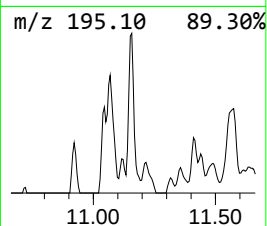
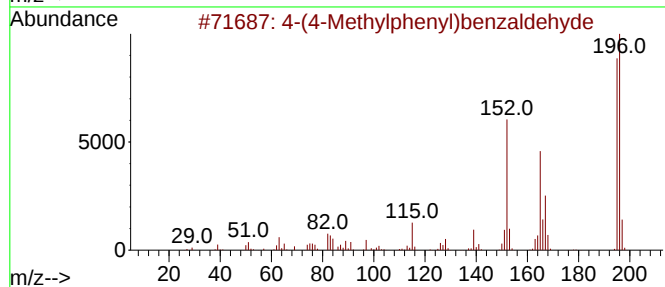
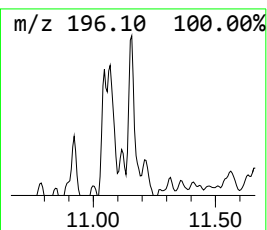
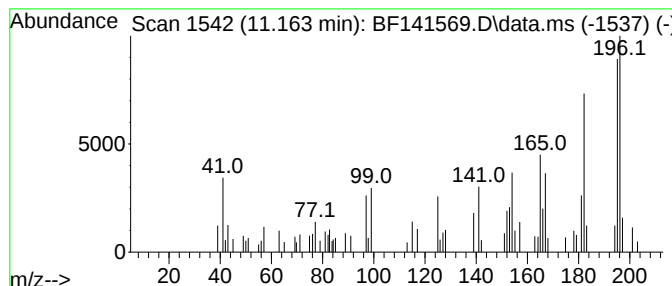
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 4-(4-Methylphenyl)benzaldehyde Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.163	2.09 ng	65527	Phenanthrene-d10			11.304
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde		196	C14H12O	036393-42-7	78
2	3'-Methyl-[1,1'-biphenyl]-4-carb...		196	C14H12O	400744-83-4	55
3	Dehydrochamazulene		182	C14H14	321732-25-6	46
4	Dibenz[c,e]oxepin, 5,7-dihydro-		196	C14H12O	001136-22-7	46
5	8-Dimethylaminonaphthalene-1-car...		196	C13H12N2	128644-69-9	43



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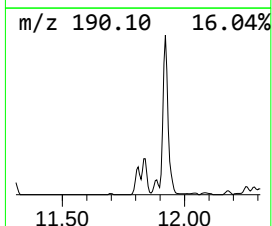
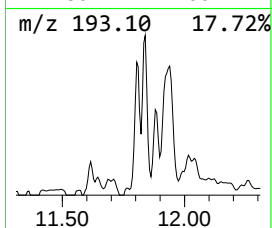
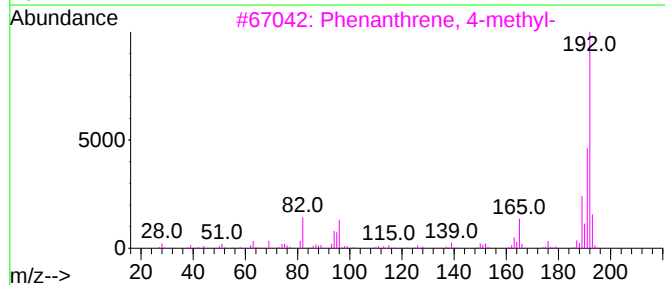
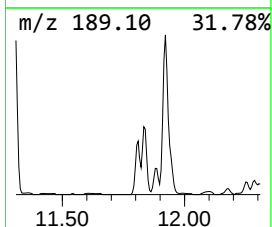
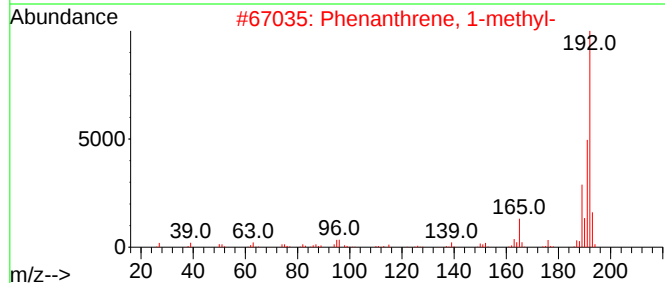
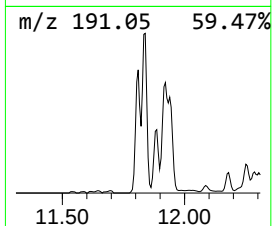
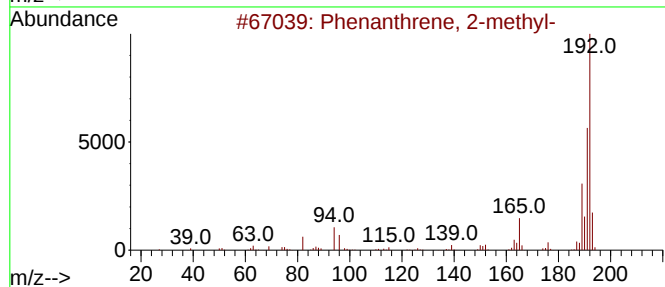
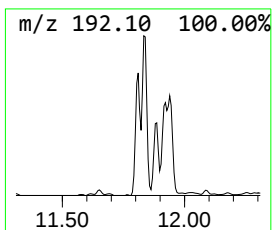
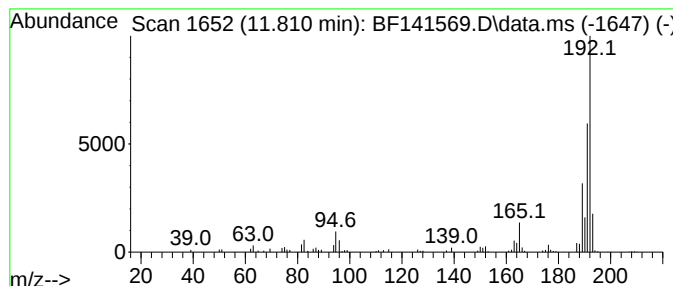
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.810	4.45 ng	139796	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
Acq On : 11 Feb 2025 18:27
Operator : RC/JU
Sample : Q1346-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

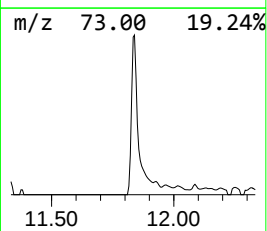
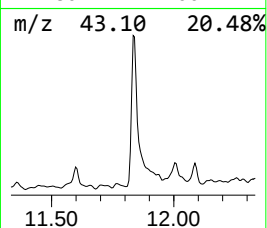
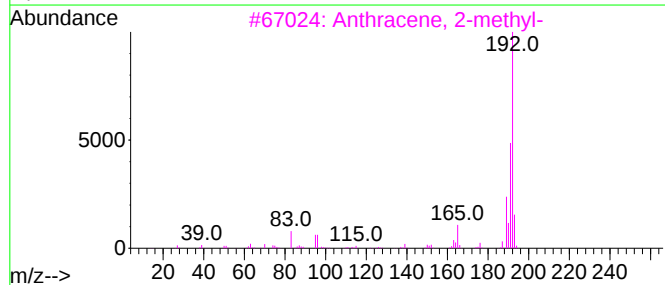
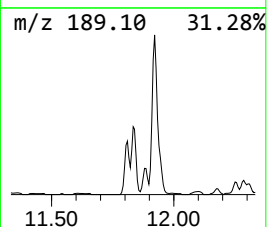
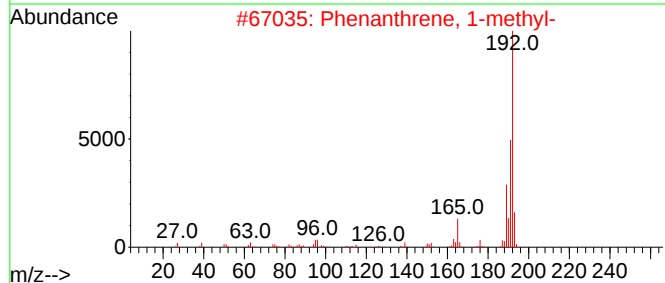
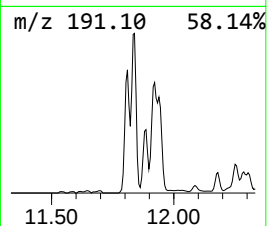
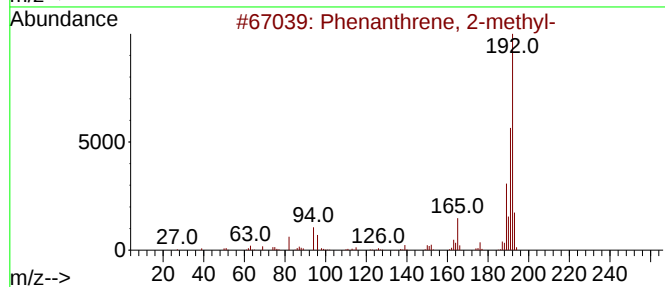
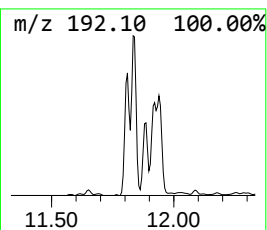
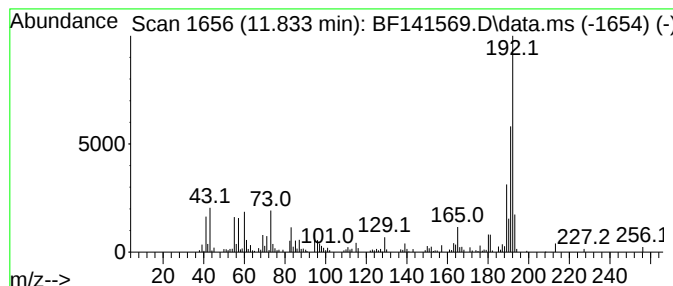
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.833	7.91 ng	248425	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
5			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	92



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
Acq On : 11 Feb 2025 18:27
Operator : RC/JU
Sample : Q1346-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

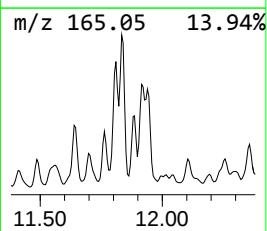
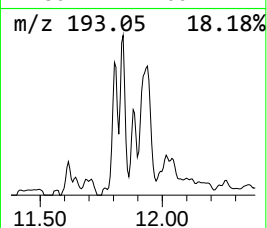
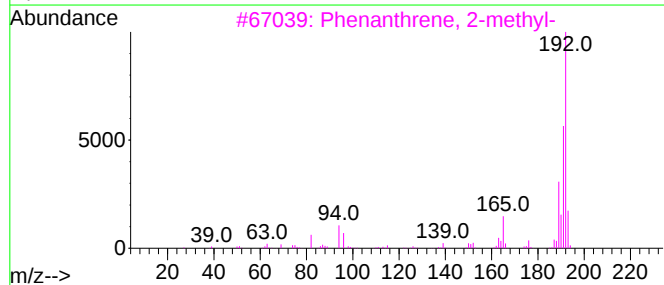
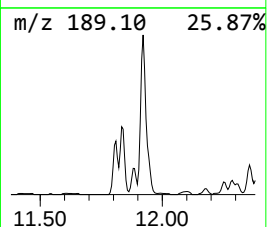
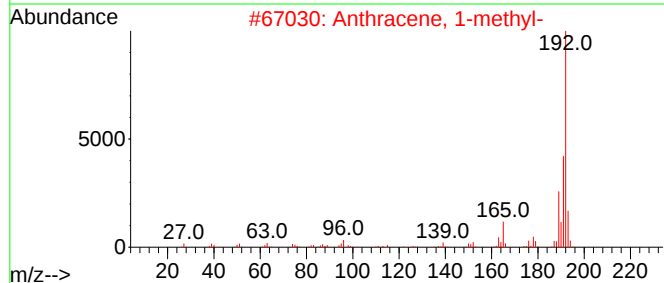
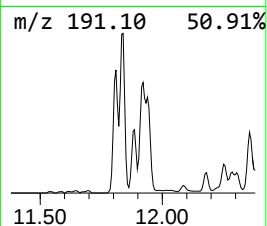
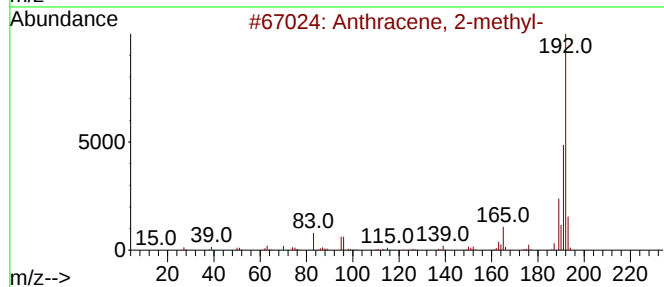
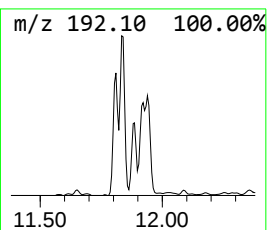
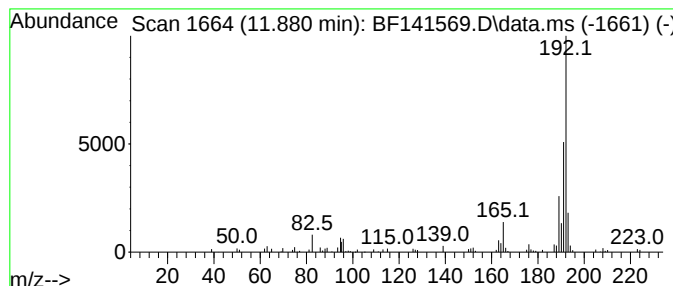
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.881	2.34 ng	73545	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
Acq On : 11 Feb 2025 18:27
Operator : RC/JU
Sample : Q1346-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

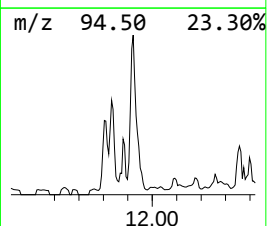
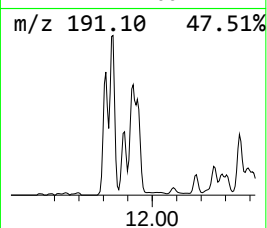
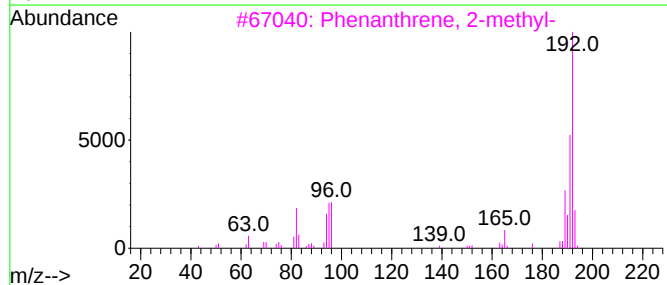
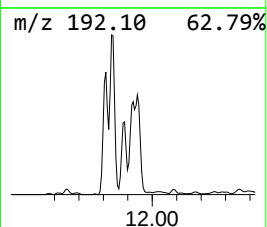
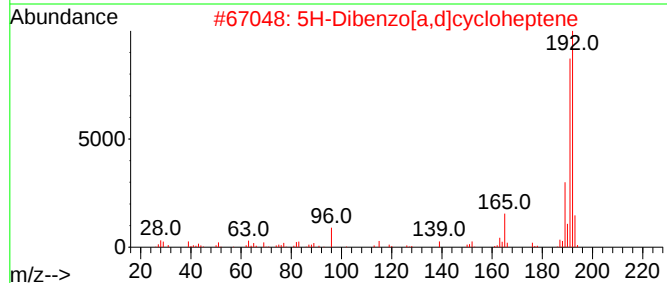
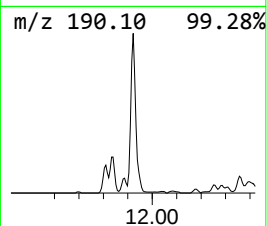
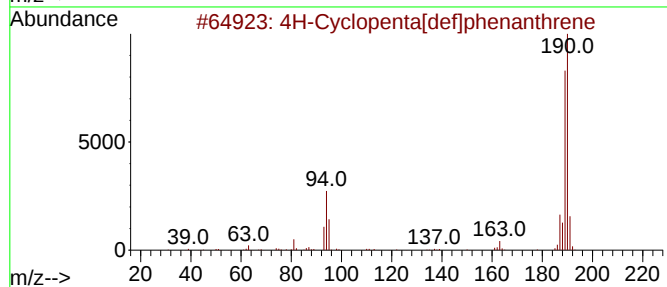
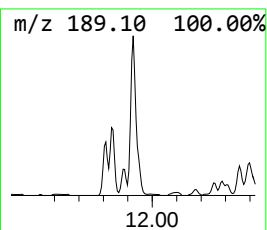
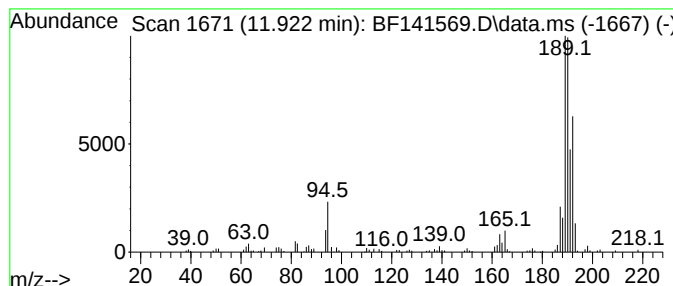
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	9.28 ng	291519	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	25
5			Cyclohexanone, 2-(2-furanyl)methy...	190	C12H14O2	056053-07-7	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
Acq On : 11 Feb 2025 18:27
Operator : RC/JU
Sample : Q1346-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

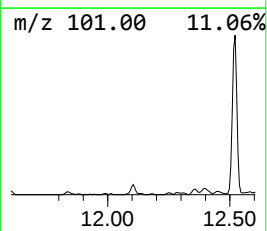
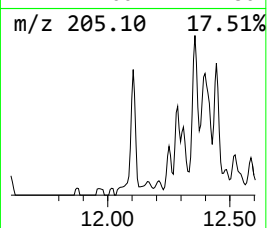
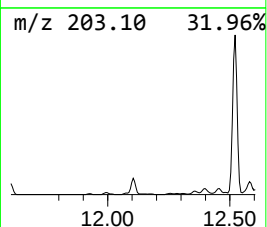
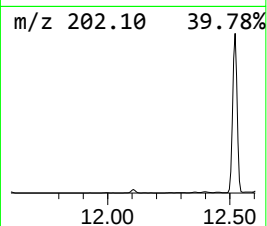
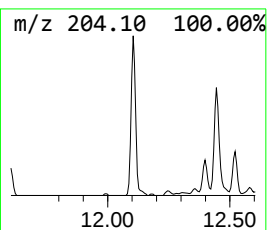
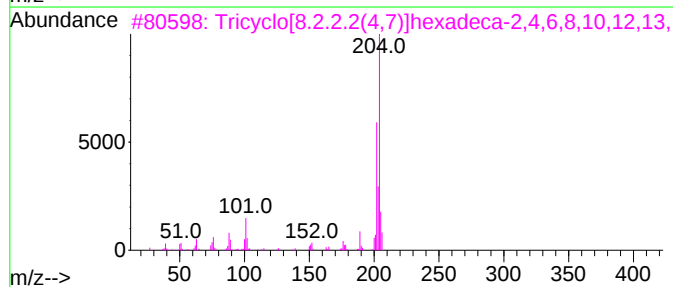
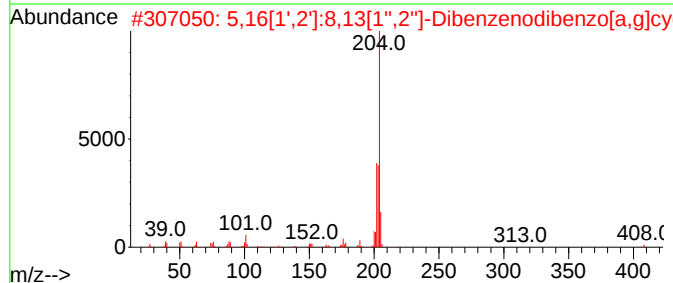
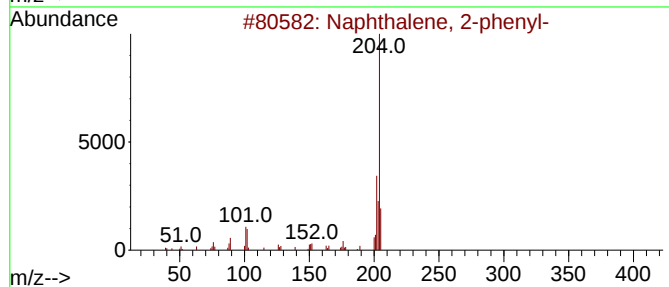
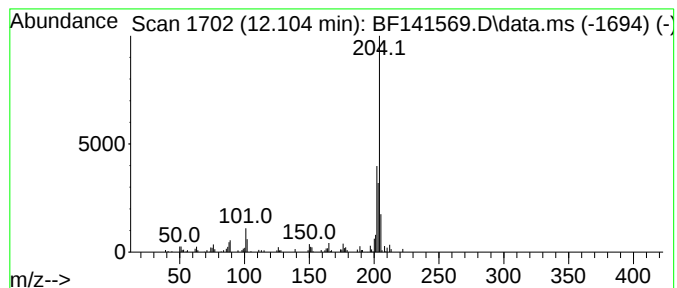
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.104	3.14 ng	98556	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5			[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
Acq On : 11 Feb 2025 18:27
Operator : RC/JU
Sample : Q1346-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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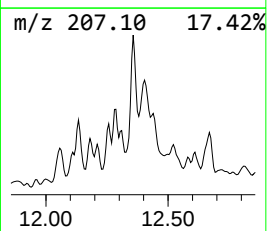
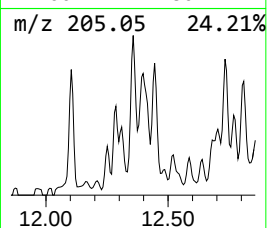
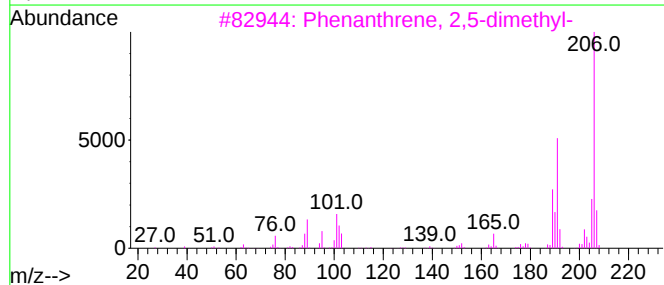
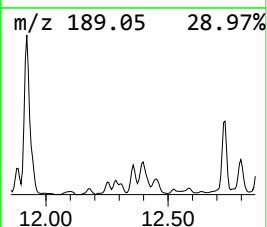
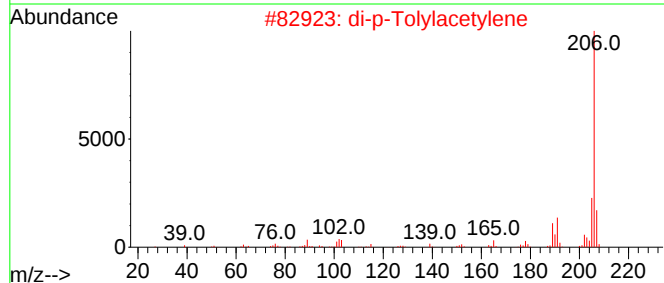
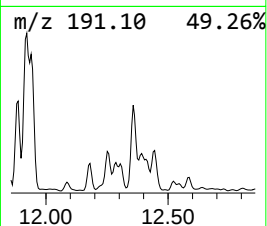
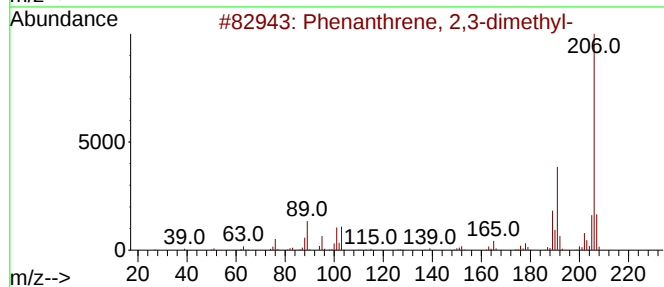
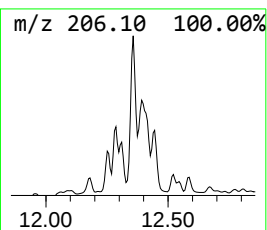
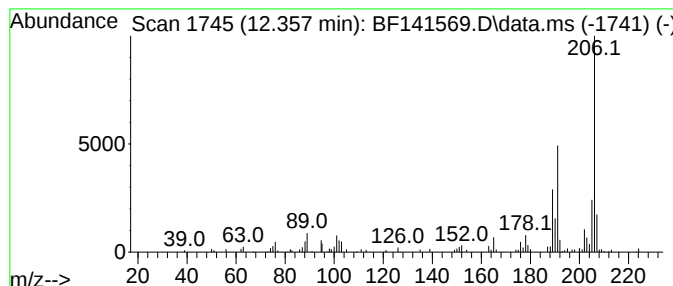
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.357	2.39 ng	74952	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5			9,10-Dimethylanthracene	206	C16H14	000781-43-1	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
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Sample : Q1346-01 2X
Misc :
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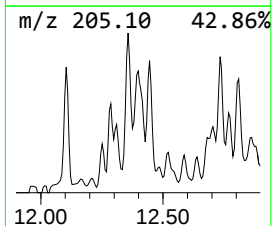
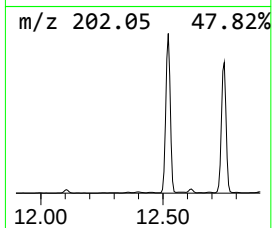
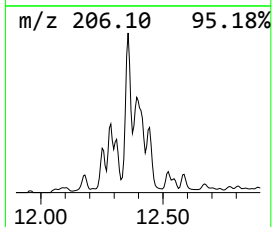
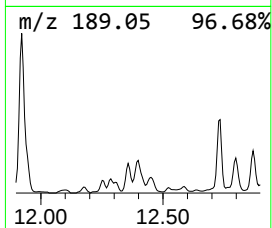
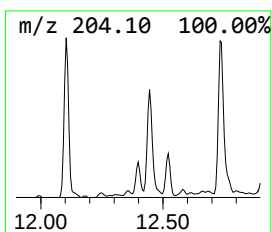
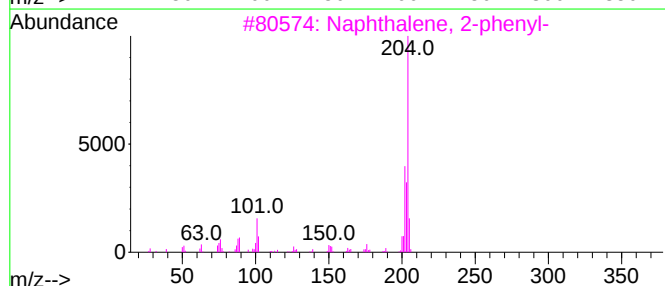
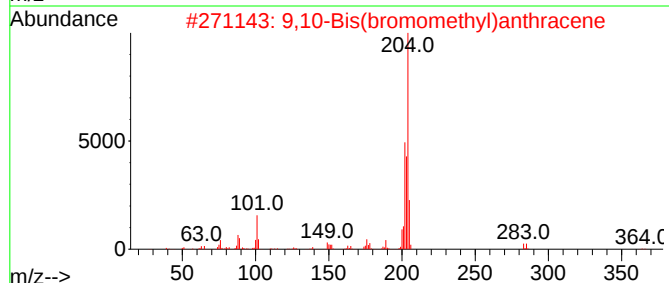
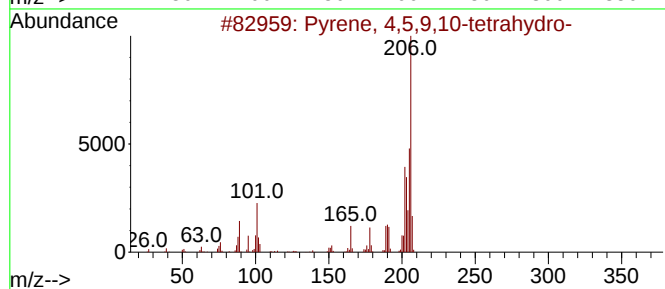
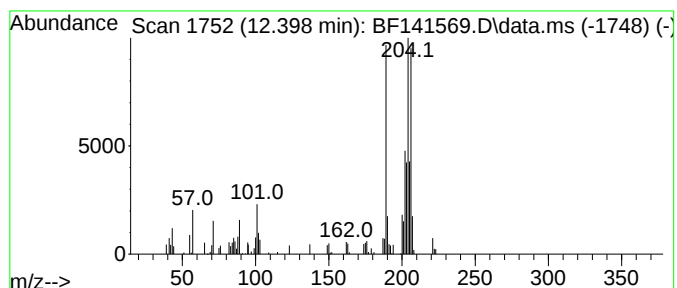
Instrument :
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ClientSampleId :
SOIL-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.398	2.23 ng	70066	Phenanthrene-d10	11.304	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	30
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
Acq On : 11 Feb 2025 18:27
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ClientSampleId :
SOIL-COMP

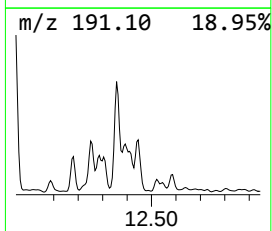
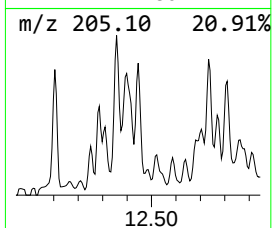
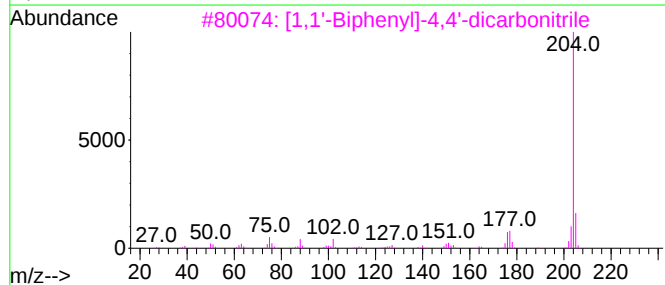
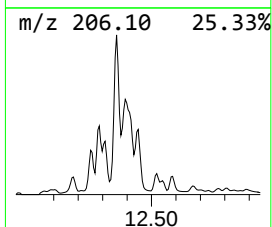
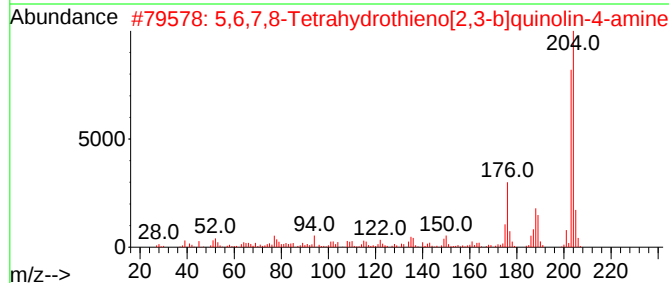
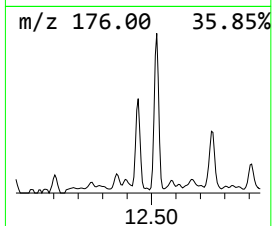
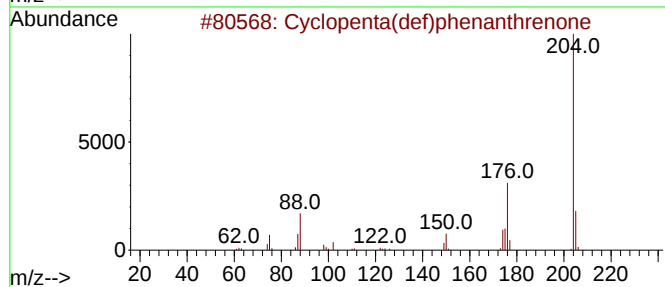
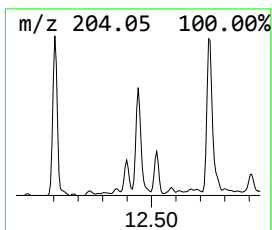
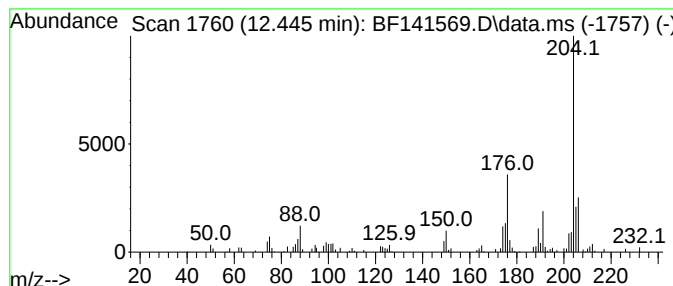
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	2.72 ng	85493	Phenanthrene-d10	11.304

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2			5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
Acq On : 11 Feb 2025 18:27
Operator : RC/JU
Sample : Q1346-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

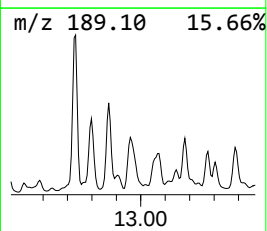
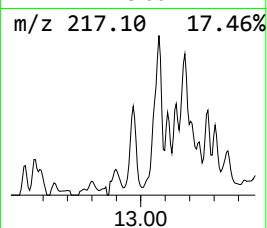
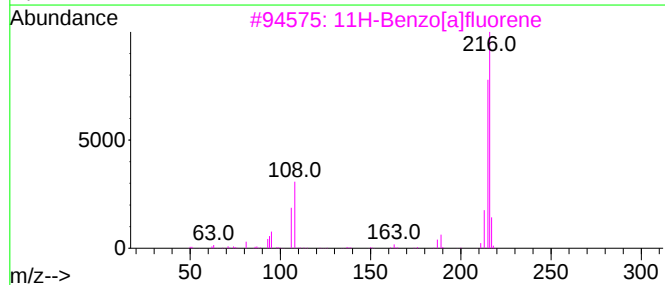
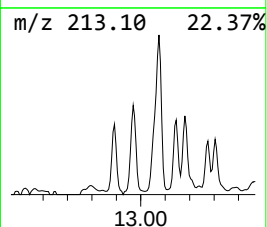
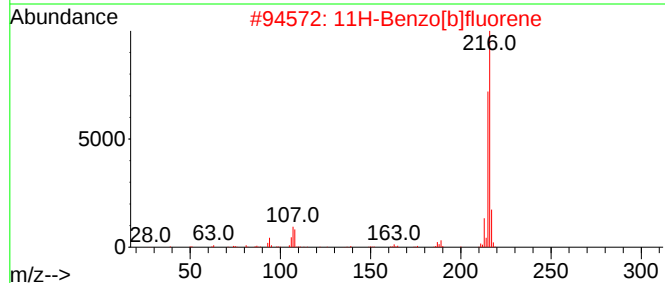
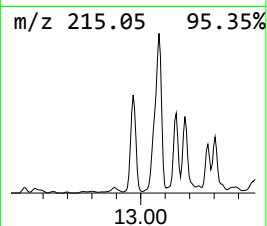
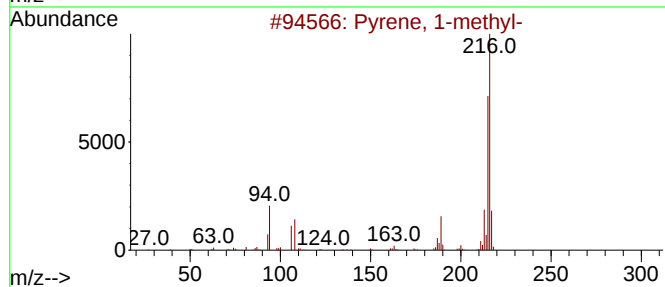
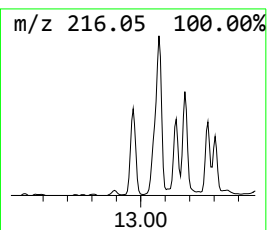
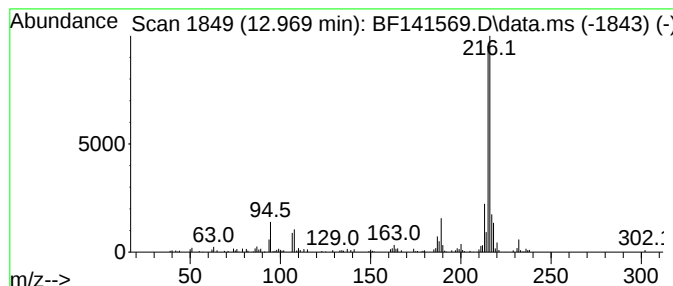
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ClientSampleId :
SOIL-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.969	2.66 ng	177741	Chrysene-d12	13.951	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
Acq On : 11 Feb 2025 18:27
Operator : RC/JU
Sample : Q1346-01 2X
Misc :
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Instrument :
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ClientSampleId :
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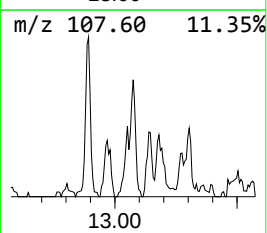
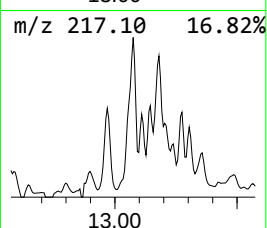
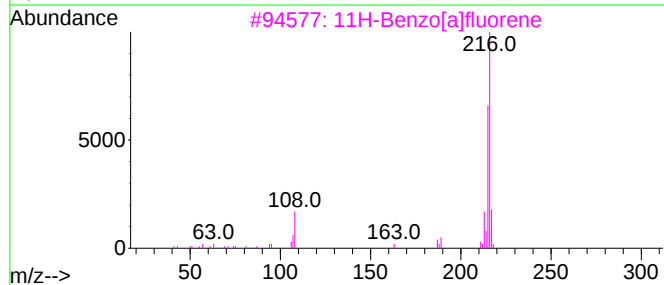
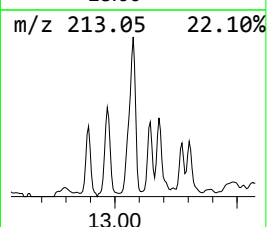
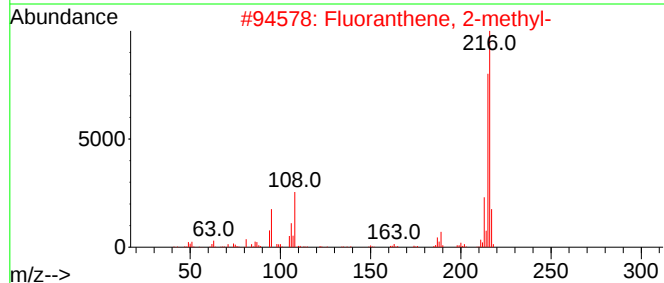
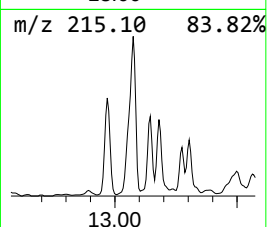
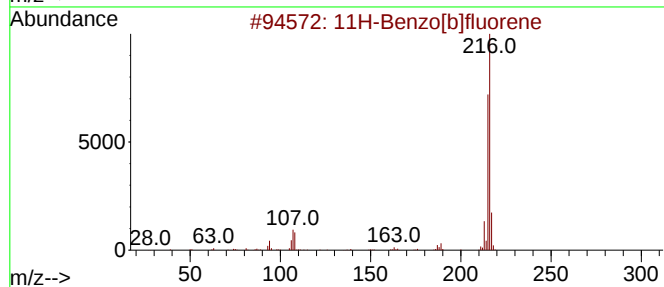
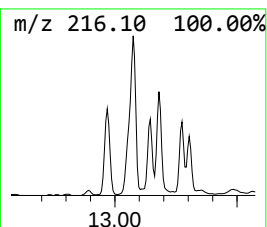
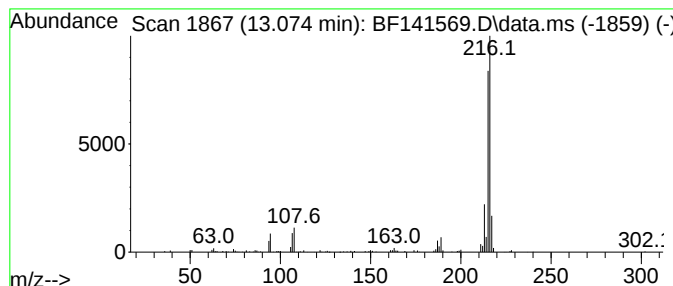
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.075	3.53 ng	235179	Chrysene-d12	13.951

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
Acq On : 11 Feb 2025 18:27
Operator : RC/JU
Sample : Q1346-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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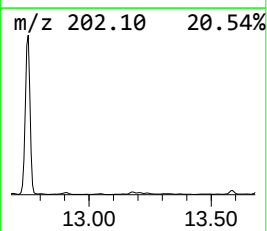
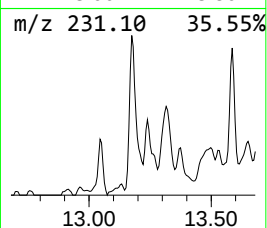
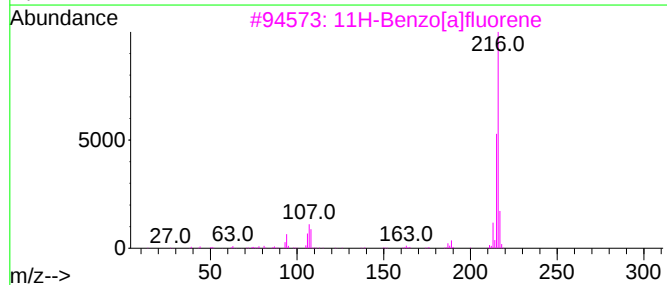
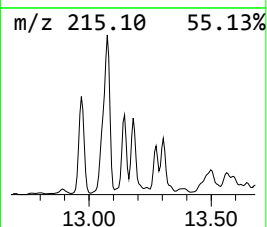
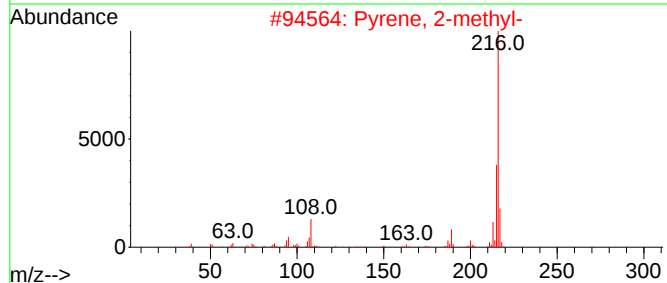
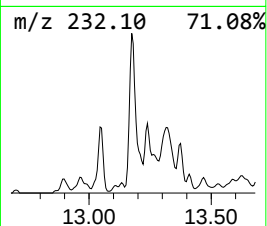
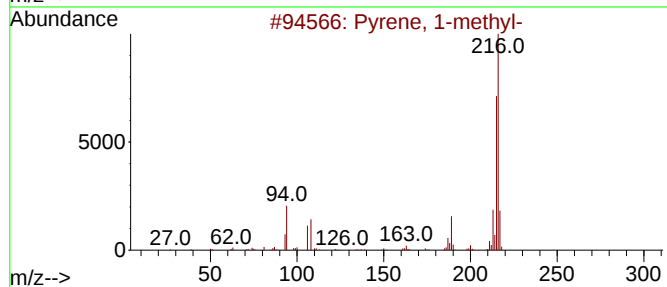
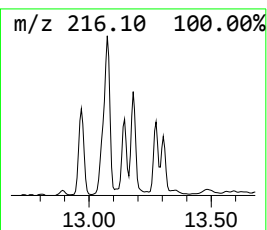
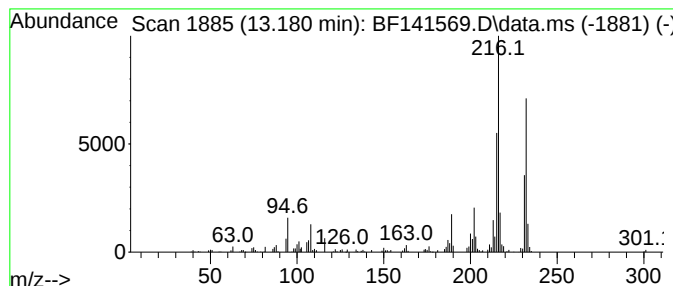
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.180	2.98 ng	199098	Chrysene-d12	13.951

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2			Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
4			Pyrene, 4-methyl-	216	C17H12	003353-12-6	60
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
Acq On : 11 Feb 2025 18:27
Operator : RC/JU
Sample : Q1346-01 2X
Misc :
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Instrument :
BNA_F
ClientSampleId :
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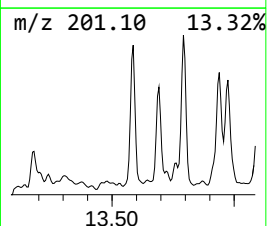
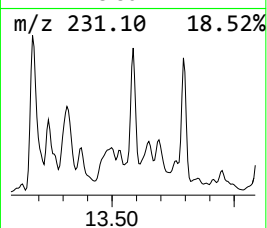
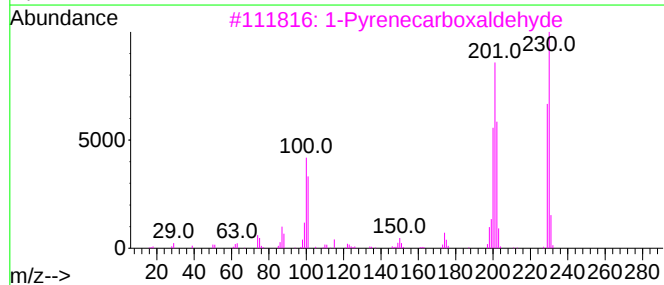
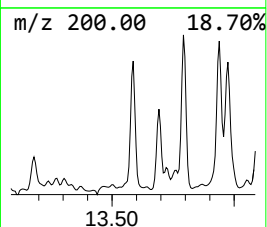
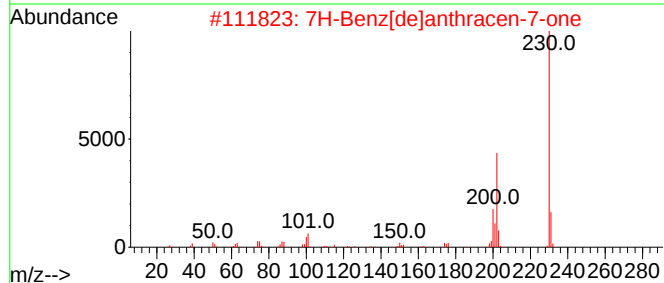
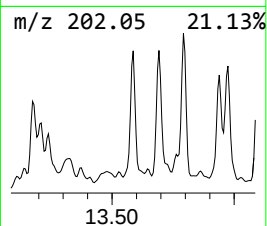
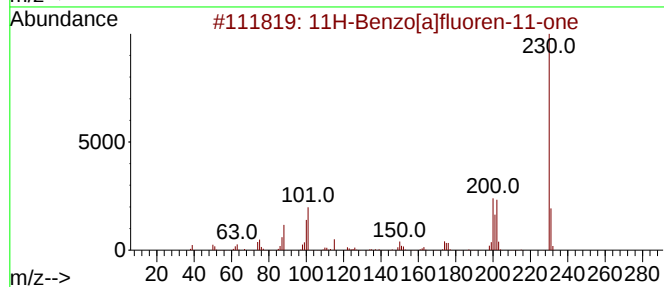
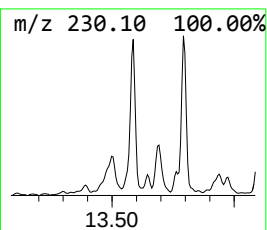
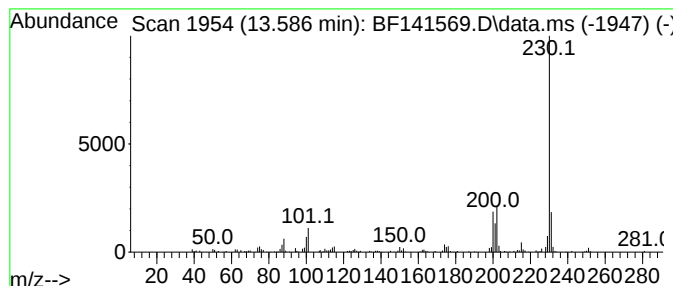
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.586	3.02 ng	201712	Chrysene-d12	13.951

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
3			1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4			o-Terphenyl	230	C18H14	000084-15-1	72
5			benzonitrile, 2-(3-isoquinoliny)-	230	C16H10N2	1000401-00-3	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
Acq On : 11 Feb 2025 18:27
Operator : RC/JU
Sample : Q1346-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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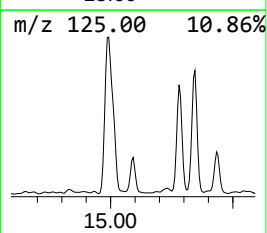
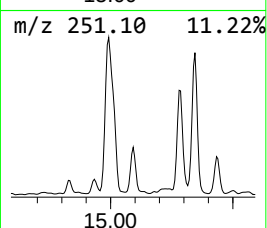
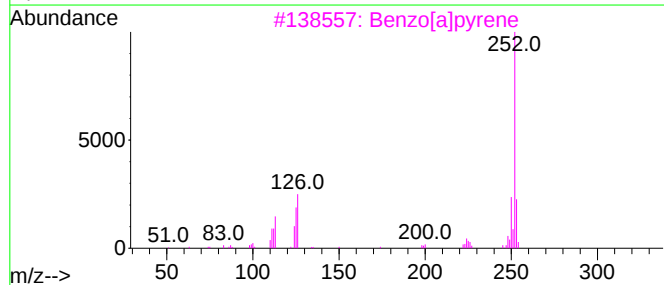
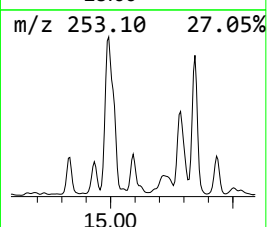
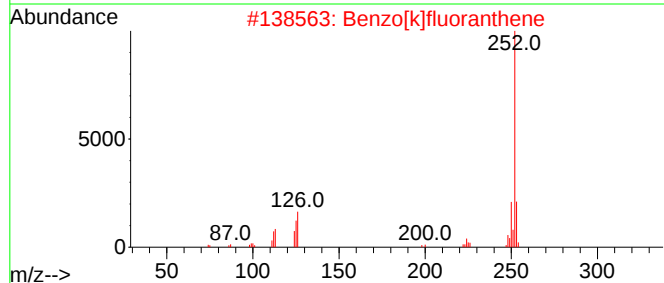
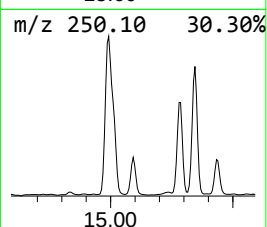
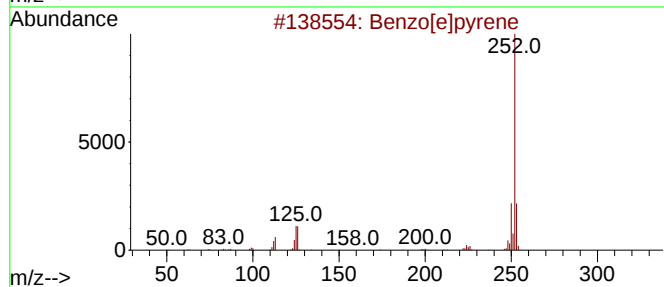
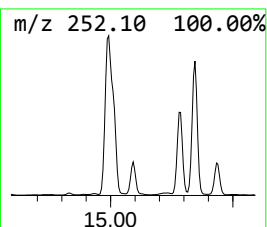
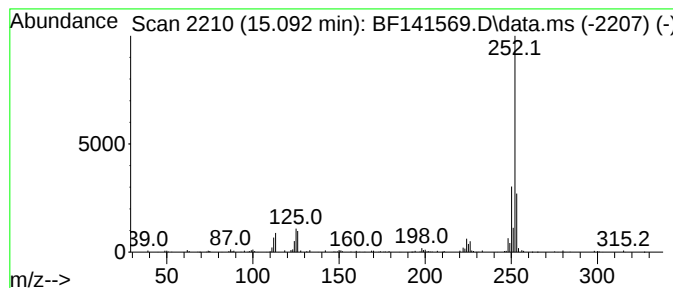
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.092	2.51 ng	92117	Perylene-d12	15.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	91
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3			Benzo[a]pyrene	252	C20H12	000050-32-8	89
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	87
5			Perylene	252	C20H12	000198-55-0	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
Acq On : 11 Feb 2025 18:27
Operator : RC/JU
Sample : Q1346-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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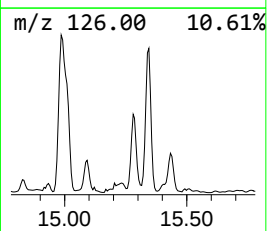
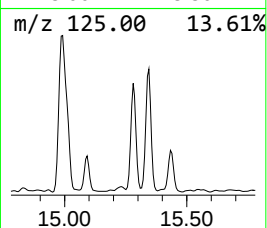
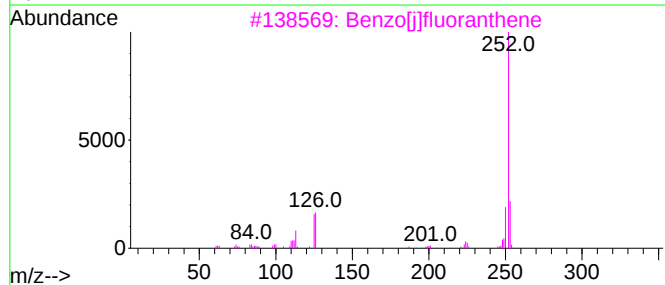
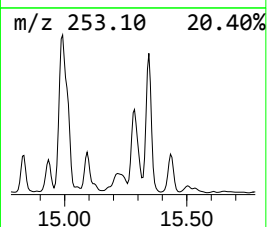
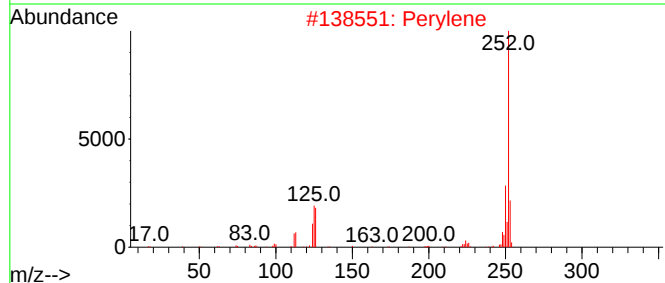
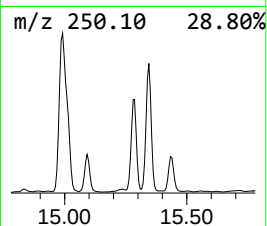
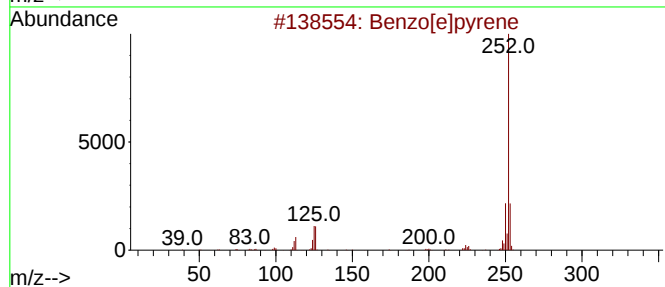
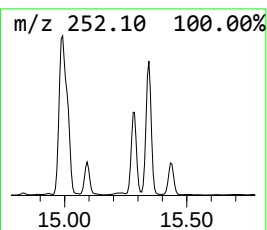
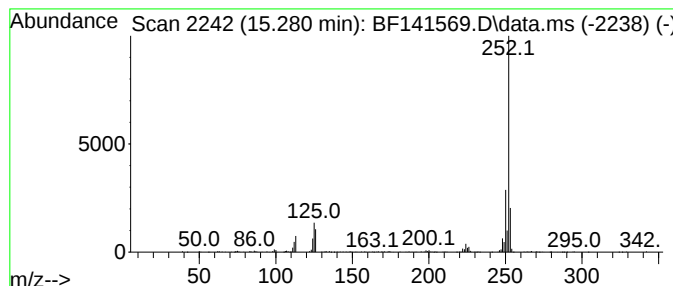
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	8.89 ng	326204	Perylene-d12	15.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4		Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141569.D
Acq On : 11 Feb 2025 18:27
Operator : RC/JU
Sample : Q1346-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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
Benzophenone	10.534	7.3	ng	251243	3	9.822	692472	20.0
4-(4-Methylphen...	11.163	2.1	ng	65527	4	11.304	628465	20.0
Phenanthrene, 2...	11.810	4.5	ng	139796	4	11.304	628465	20.0
Phenanthrene, 1...	11.833	7.9	ng	248425	4	11.304	628465	20.0
Anthracene, 2-m...	11.881	2.3	ng	73545	4	11.304	628465	20.0
4H-Cyclopenta[d...	11.922	9.3	ng	291519	4	11.304	628465	20.0
Naphthalene, 2-...	12.104	3.1	ng	98556	4	11.304	628465	20.0
Phenanthrene, 2...	12.357	2.4	ng	74952	4	11.304	628465	20.0
Pyrene, 4,5,9,1...	12.398	2.2	ng	70066	4	11.304	628465	20.0
Cyclopenta(def)...	12.445	2.7	ng	85493	4	11.304	628465	20.0
Pyrene, 1-methyl-	12.969	2.7	ng	177741	5	13.951	1334030	20.0
11H-Benzo[b]flu...	13.075	3.5	ng	235179	5	13.951	1334030	20.0
Pyrene, 2-methyl-	13.180	3.0	ng	199098	5	13.951	1334030	20.0
11H-Benzo[a]flu...	13.586	3.0	ng	201712	5	13.951	1334030	20.0
Benzo[e]pyrene	15.092	2.5	ng	92117	6	15.404	733505	20.0
Perylene	15.280	8.9	ng	326204	6	15.404	733505	20.0