

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133642.D
 Acq On : 08 Jun 2023 15:02
 Operator : CG\JU
 Sample : 03049-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-060523

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-BF052523.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133642.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.445	566	571	574	rBV	1807491	1612924	28.10%	2.457%
2	6.463	739	744	747	rBV	1649445	1601466	27.90%	2.440%
3	6.834	804	807	811	rVB	882801	687741	11.98%	1.048%
4	7.398	899	903	906	rVB	1196767	971915	16.93%	1.481%
5	8.116	1020	1025	1028	rBV	990046	954168	16.62%	1.454%
6	8.139	1028	1029	1032	rVV	159322	105993	1.85%	0.161%
7	8.410	1070	1075	1078	rBV4	75746	100052	1.74%	0.152%
8	8.710	1123	1126	1129	rBV2	123317	117107	2.04%	0.178%
9	8.833	1144	1147	1149	rVB	127184	109054	1.90%	0.166%
10	8.939	1160	1165	1167	rBV2	129304	179353	3.12%	0.273%
11	9.139	1196	1199	1201	rVV4	106453	92350	1.61%	0.141%
12	9.192	1205	1208	1213	rVB	2076715	1722058	30.00%	2.623%
13	9.275	1218	1222	1224	rBV	281374	248589	4.33%	0.379%
14	9.463	1249	1254	1258	rVB2	119102	171676	2.99%	0.262%
15	9.533	1263	1266	1268	rVV	209635	208728	3.64%	0.318%
16	9.557	1268	1270	1272	rVV2	169241	139259	2.43%	0.212%
17	9.598	1272	1277	1279	rVV4	182753	237803	4.14%	0.362%
18	9.622	1279	1281	1283	rVV2	113370	104897	1.83%	0.160%
19	9.651	1283	1286	1290	rVB2	166024	177572	3.09%	0.271%
20	9.733	1298	1300	1305	rBV	206001	207255	3.61%	0.316%
21	9.804	1310	1312	1317	rVV	401020	329441	5.74%	0.502%
22	9.875	1321	1324	1327	rVV	994724	814848	14.20%	1.241%
23	9.910	1327	1330	1332	rVV	627346	554172	9.66%	0.844%
24	9.939	1333	1335	1339	rVB4	83195	86183	1.50%	0.131%
25	9.980	1339	1342	1346	rBV	91273	103158	1.80%	0.157%
26	10.033	1349	1351	1354	rVV2	86342	104204	1.82%	0.159%
27	10.080	1355	1359	1363	rVV2	436566	454189	7.91%	0.692%
28	10.122	1363	1366	1371	rVV3	131483	201534	3.51%	0.307%
29	10.192	1375	1378	1381	rBV2	144649	167236	2.91%	0.255%
30	10.304	1395	1397	1400	rVB	563381	450508	7.85%	0.686%
31	10.422	1413	1417	1423	rBV	692972	684478	11.93%	1.043%
32	10.510	1430	1432	1433	rBV	133799	117116	2.04%	0.178%
33	10.527	1433	1435	1438	rVV	222870	215064	3.75%	0.328%
34	10.580	1441	1444	1447	rVB2	267053	263684	4.59%	0.402%
35	10.663	1452	1458	1462	rBV	1203910	1079933	18.82%	1.645%
36	10.780	1475	1478	1487	rVB	733823	931620	16.23%	1.419%

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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.974	1508	1511	1513	rBV2	182430	154795	2.70%	0.236%
38	10.998	1513	1515	1519	rVB3	118252	128552	2.24%	0.196%
39	11.104	1530	1533	1535	rBV2	110012	117153	2.04%	0.178%
40	11.169	1542	1544	1548	rVB3	104000	88728	1.55%	0.135%
41	11.233	1548	1555	1557	rBV2	585972	686704	11.96%	1.046%
42	11.263	1557	1560	1565	rVB	575549	595577	10.38%	0.907%
43	11.369	1574	1578	1579	rBV	741242	676758	11.79%	1.031%
44	11.398	1579	1583	1585	rVV	3168514	3095041	53.92%	4.715%
45	11.445	1587	1591	1593	rVB	1281237	1081144	18.84%	1.647%
46	11.474	1593	1596	1599	rBV2	161071	158785	2.77%	0.242%
47	11.592	1614	1616	1618	rBV	202068	177396	3.09%	0.270%
48	11.657	1624	1627	1630	rBV2	661050	552142	9.62%	0.841%
49	11.698	1631	1634	1639	rVB3	133393	179319	3.12%	0.273%
50	11.757	1642	1644	1647	rBV	345361	299275	5.21%	0.456%
51	11.869	1660	1663	1665	rVV	528860	481326	8.39%	0.733%
52	11.898	1665	1668	1671	rVV	832541	780898	13.61%	1.190%
53	11.945	1673	1676	1679	rVV	333942	356426	6.21%	0.543%
54	11.980	1679	1682	1685	rVV	1118597	1232264	21.47%	1.877%
55	12.004	1685	1686	1690	rVB	409950	243973	4.25%	0.372%
56	12.068	1694	1697	1700	rVV	672536	527941	9.20%	0.804%
57	12.098	1700	1702	1705	rVB2	138403	129954	2.26%	0.198%
58	12.163	1711	1713	1716	rBV	398487	383955	6.69%	0.585%
59	12.192	1716	1718	1721	rVB2	189708	180917	3.15%	0.276%
60	12.298	1733	1736	1737	rBV	127431	128388	2.24%	0.196%
61	12.316	1737	1739	1741	rVB2	167524	133182	2.32%	0.203%
62	12.345	1741	1744	1746	rBV2	217289	236024	4.11%	0.360%
63	12.421	1753	1757	1759	rBV	411013	456482	7.95%	0.695%
64	12.451	1759	1762	1765	rVV2	1821360	2306634	40.19%	3.514%
65	12.474	1765	1766	1769	rVV2	1151683	694892	12.11%	1.059%
66	12.510	1769	1772	1776	rVV2	209935	290043	5.05%	0.442%
67	12.557	1777	1780	1782	rVV2	282511	276277	4.81%	0.421%
68	12.598	1782	1787	1790	rVV	4294084	4975271	86.68%	7.579%
69	12.627	1790	1792	1794	rVV	122496	147279	2.57%	0.224%
70	12.680	1798	1801	1806	rBV3	128918	243922	4.25%	0.372%
71	12.733	1808	1810	1814	rVB2	255800	318164	5.54%	0.485%
72	12.827	1819	1826	1830	rBV2	4073016	5739724	100.00%	8.744%
73	12.863	1830	1832	1837	rVB2	232580	306310	5.34%	0.467%
74	12.933	1841	1844	1845	rBV2	311262	258241	4.50%	0.393%
75	12.957	1845	1848	1856	rVB	1562401	1605030	27.96%	2.445%
76	13.039	1856	1862	1864	rBV3	345698	613255	10.68%	0.934%

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77	13.121	1873	1876	1877	rBV3	204910	233083	4.06%	0.355%
78	13.145	1877	1880	1883	rVB	776524	750052	13.07%	1.143%
79	13.192	1885	1888	1889	rBV	579155	507886	8.85%	0.774%
80	13.210	1889	1891	1894	rVB	641550	474568	8.27%	0.723%
81	13.245	1894	1897	1900	rBV2	441081	487282	8.49%	0.742%
82	13.339	1911	1913	1916	rVB	212267	165264	2.88%	0.252%
83	13.368	1916	1918	1921	rBV	226130	237651	4.14%	0.362%
84	13.533	1943	1946	1950	rBV	642976	684040	11.92%	1.042%
85	13.792	1988	1990	1992	rVB	276911	196155	3.42%	0.299%
86	13.815	1992	1994	1999	rBV2	267394	366827	6.39%	0.559%
87	13.862	2000	2002	2006	rVB2	707823	647927	11.29%	0.987%
88	14.010	2023	2027	2031	rBV2	1778755	2402252	41.85%	3.659%
89	14.051	2031	2034	2039	rVB	1645741	1639448	28.56%	2.497%
90	14.127	2044	2047	2050	rVB	431267	367597	6.40%	0.560%
91	14.180	2054	2056	2059	rVB	573747	495011	8.62%	0.754%
92	14.492	2106	2109	2113	rBV2	670396	702862	12.25%	1.071%
93	14.798	2158	2161	2164	rBV	555044	573336	9.99%	0.873%
94	15.068	2203	2207	2210	rBV	1038395	1656723	28.86%	2.524%
95	15.139	2217	2219	2222	rVB	480517	460536	8.02%	0.702%
96	15.374	2256	2259	2264	rVB	696888	916998	15.98%	1.397%
97	15.439	2266	2270	2275	rVB	1260995	1538230	26.80%	2.343%
98	15.527	2282	2285	2292	rVB	706210	918468	16.00%	1.399%
99	16.204	2396	2400	2407	rVB2	530587	934206	16.28%	1.423%
100	16.639	2471	2474	2484	rVB3	485807	943421	16.44%	1.437%

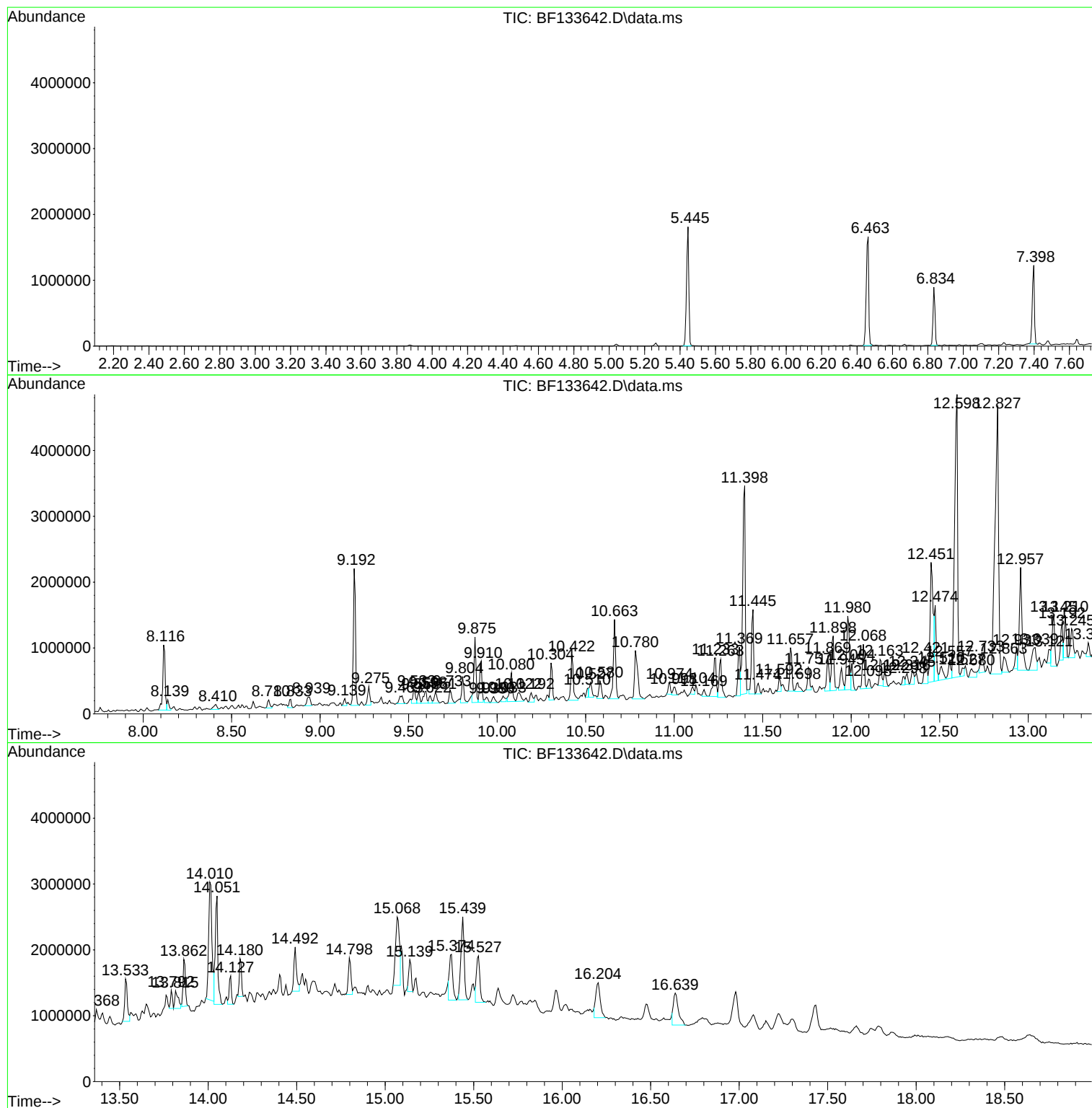
Sum of corrected areas: 65645292

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.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_F\Data\BF060823\
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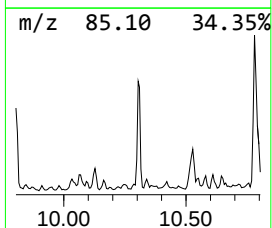
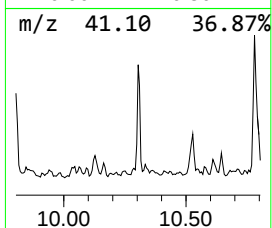
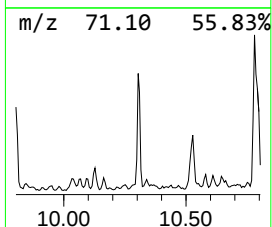
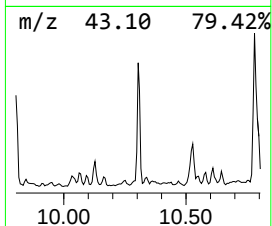
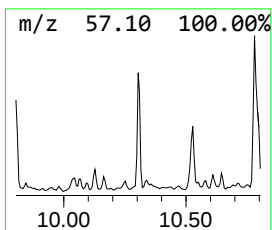
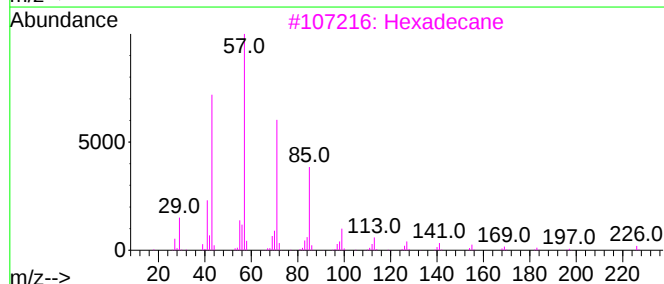
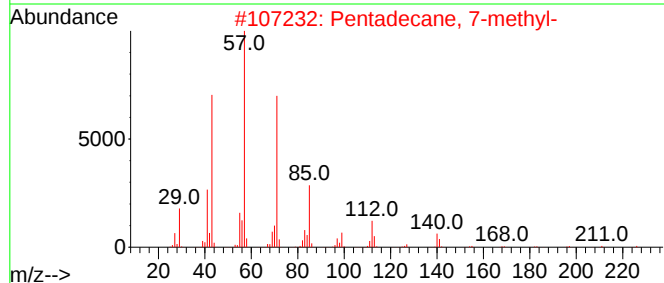
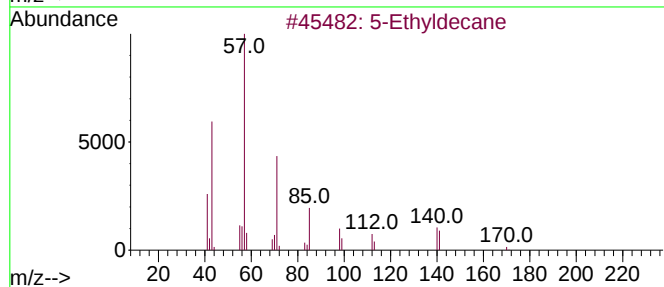
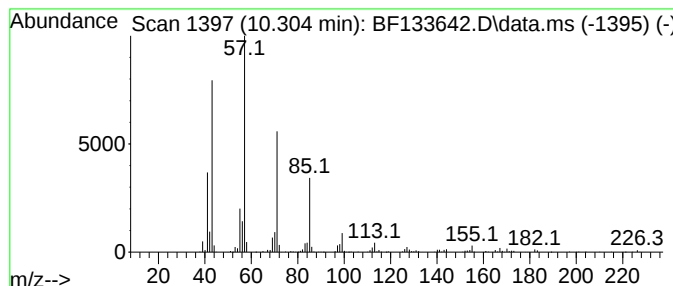
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 5-Ethyldecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.304	11.06 ng	450508	Acenaphthene-d10	9.875	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethyldecane	170	C12H26	017302-36-2	91
2	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	91
3	Hexadecane	226	C16H34	000544-76-3	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Heptadecane	240	C17H36	000629-78-7	90



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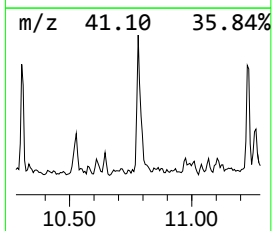
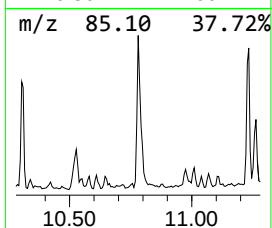
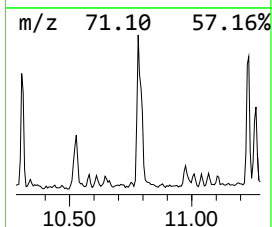
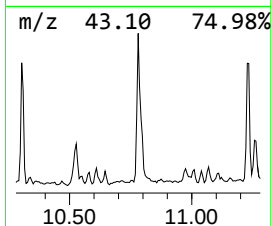
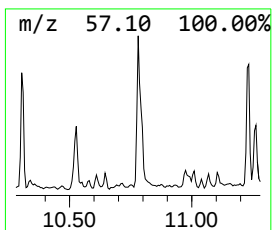
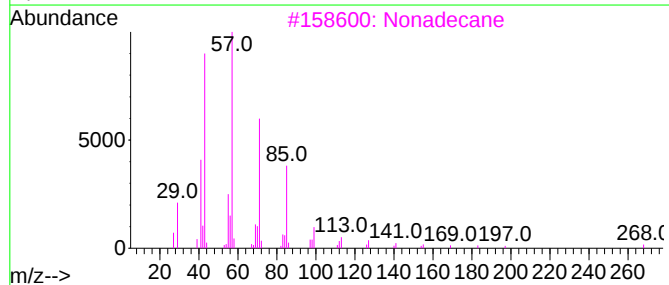
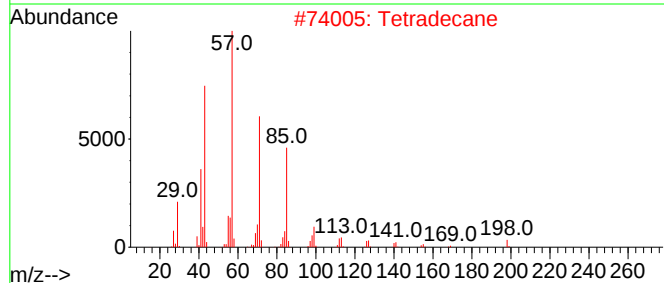
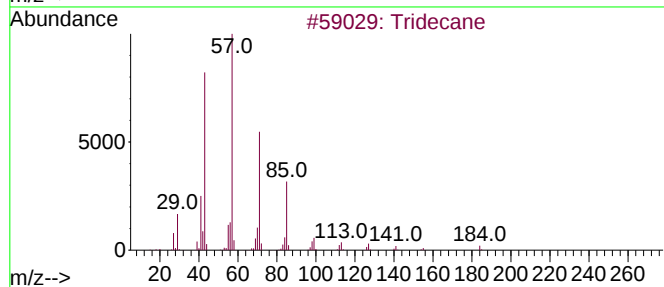
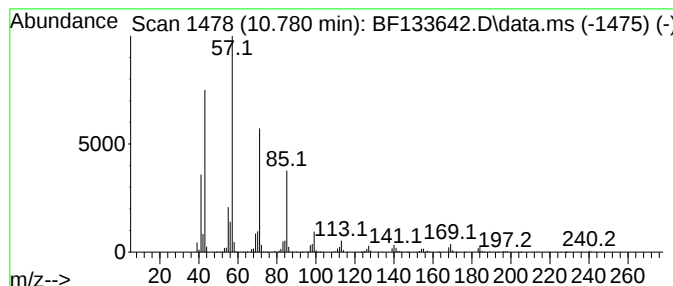
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Tridecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.780	27.53 ng	931620	Phenanthrene-d10	11.368

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane	184	C13H28	000629-50-5	96
2		Tetradecane	198	C14H30	000629-59-4	95
3		Nonadecane	268	C19H40	000629-92-5	91
4		Heptadecane	240	C17H36	000629-78-7	90
5		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	86



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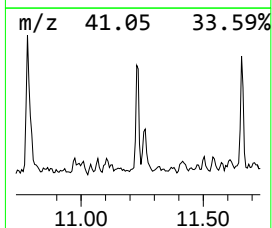
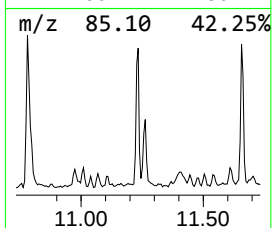
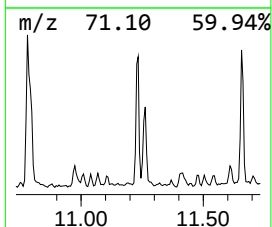
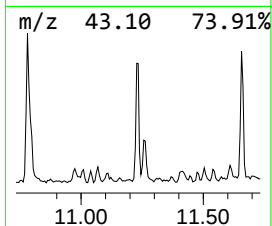
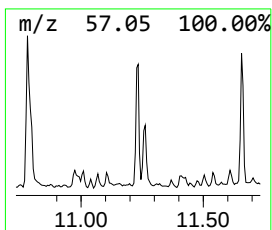
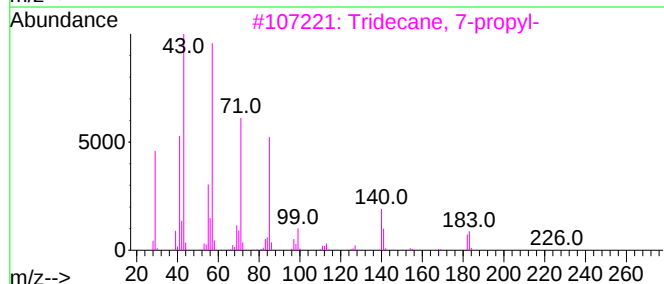
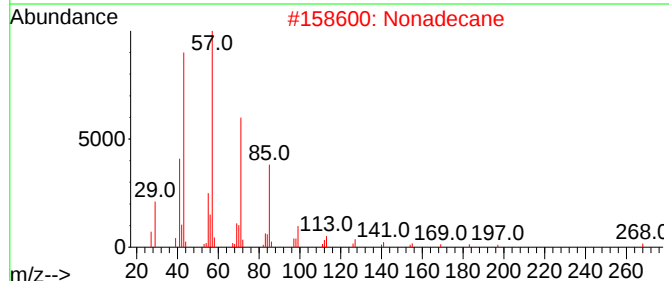
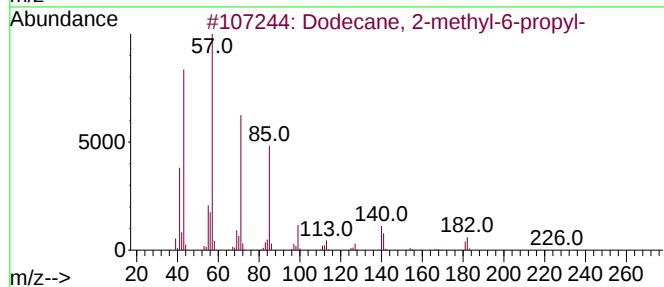
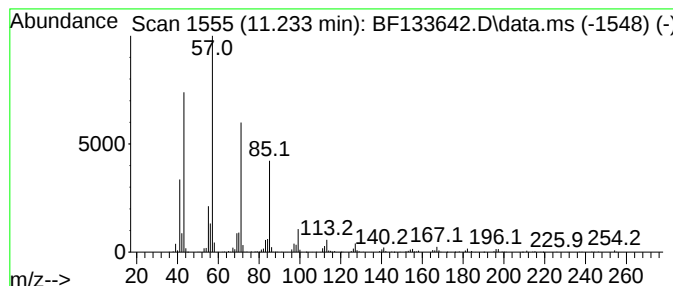
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dodecane, 2-methyl-6-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	20.29 ng	686704	Phenanthrene-d10	11.368

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	93
2			Nonadecane	268	C19H40	000629-92-5	91
3			Tridecane, 7-propyl-	226	C16H34	055045-09-5	91
4			Eicosane	282	C20H42	000112-95-8	90
5			Heneicosane	296	C21H44	000629-94-7	90



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Acq On : 08 Jun 2023 15:02
Operator : CG\JU
Sample : 03049-03
Misc :
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ClientSampleId :
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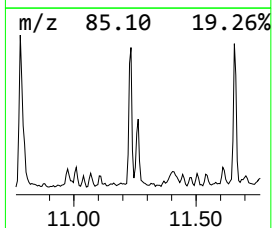
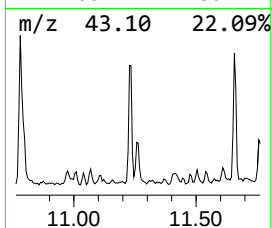
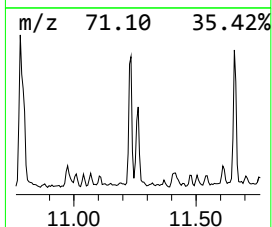
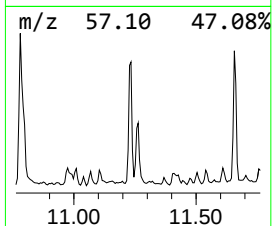
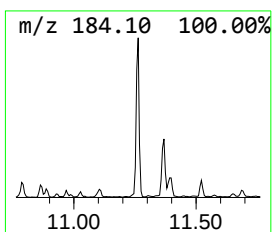
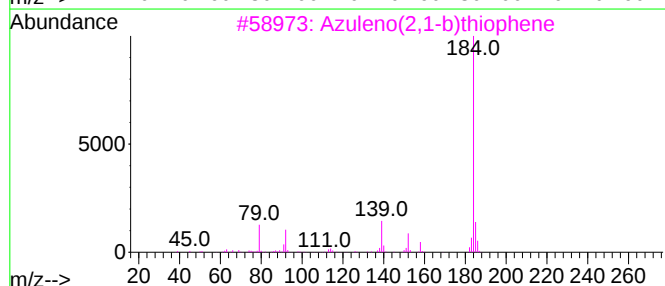
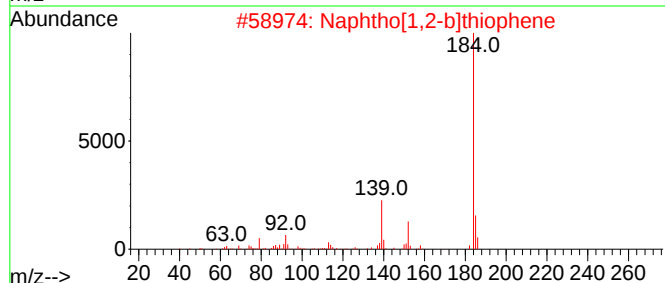
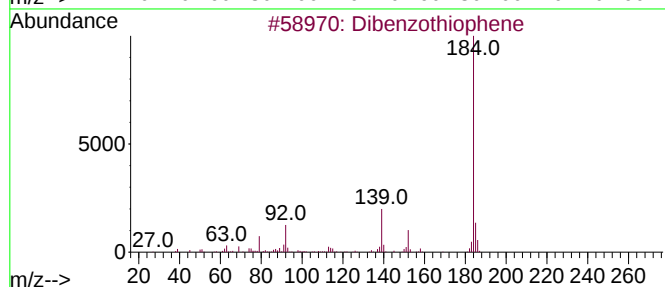
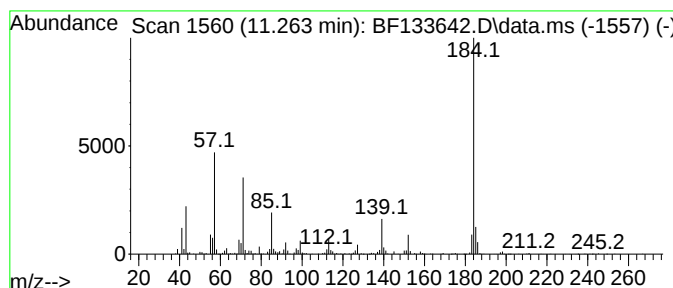
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.263	17.60 ng	595577	Phenanthrene-d10	11.368

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	83
2			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	83
3			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	70
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	64
5			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
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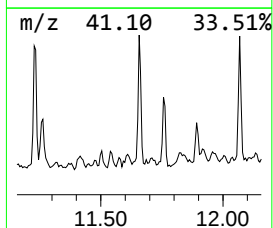
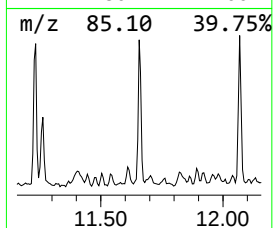
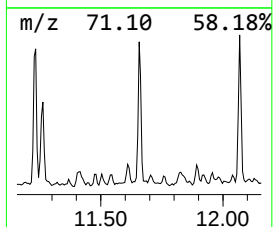
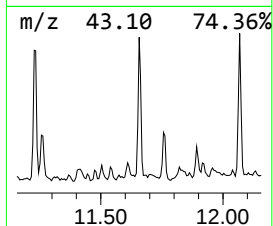
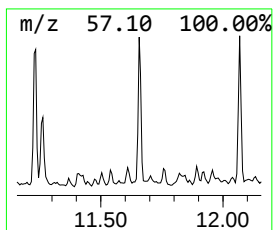
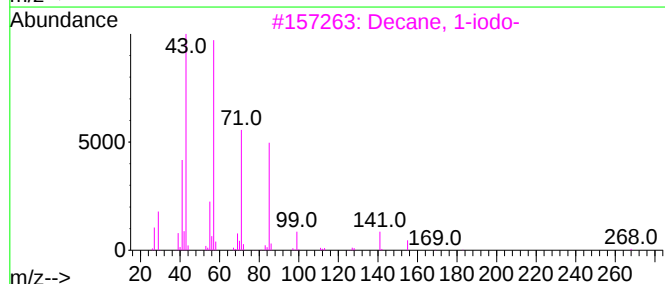
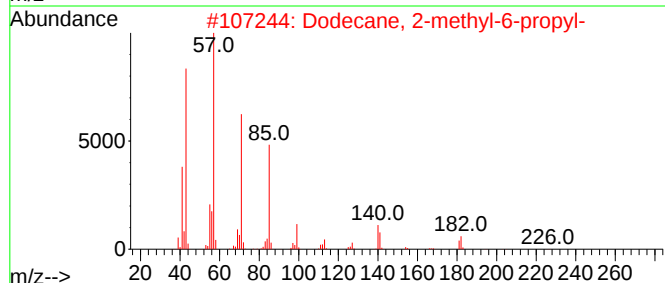
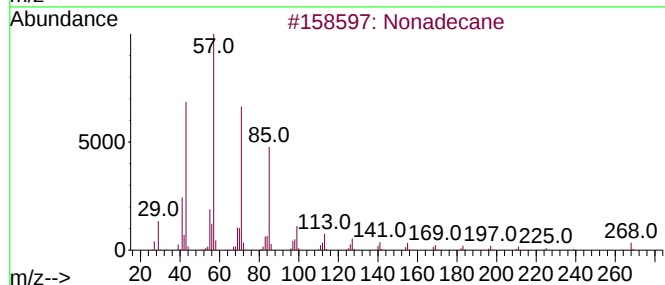
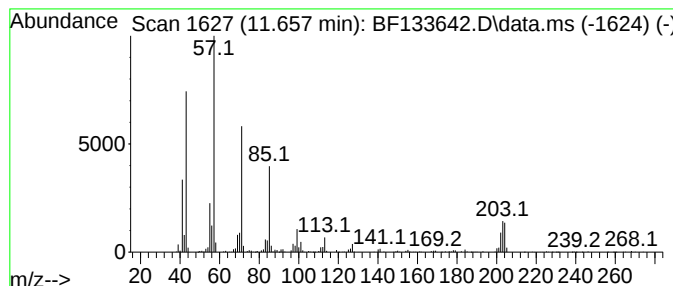
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Nonadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.657	16.32 ng	552142	Phenanthrene-d10	11.368

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	94
2			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	89
3			Decane, 1-iodo-	268	C10H21I	002050-77-3	70
4			Tridecane, 7-propyl-	226	C16H34	055045-09-5	70
5			Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133642.D
Acq On : 08 Jun 2023 15:02
Operator : CG\JU
Sample : 03049-03
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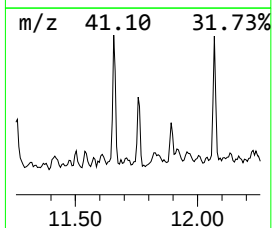
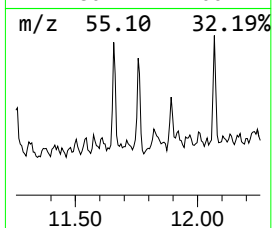
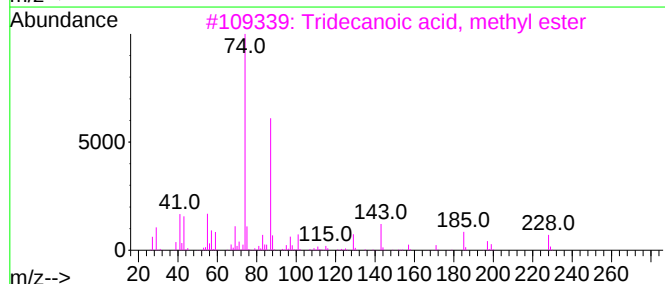
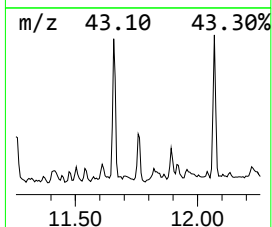
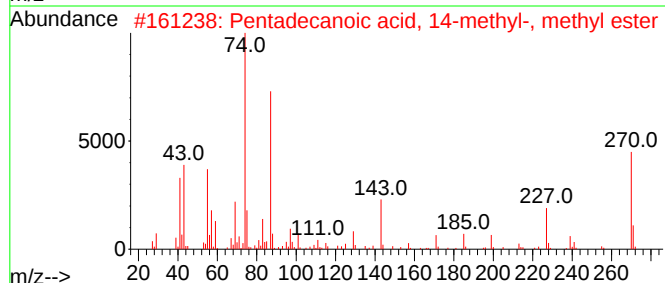
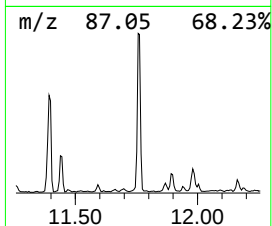
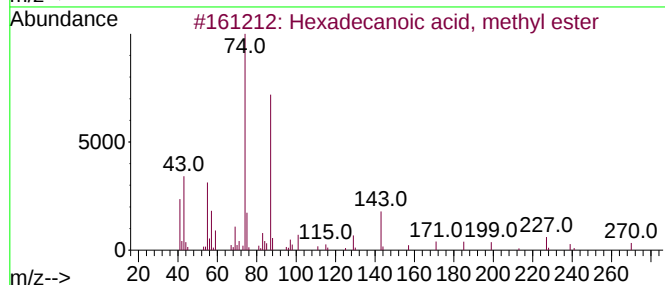
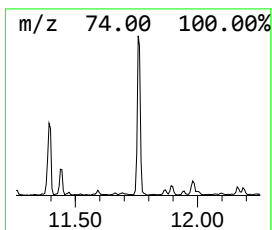
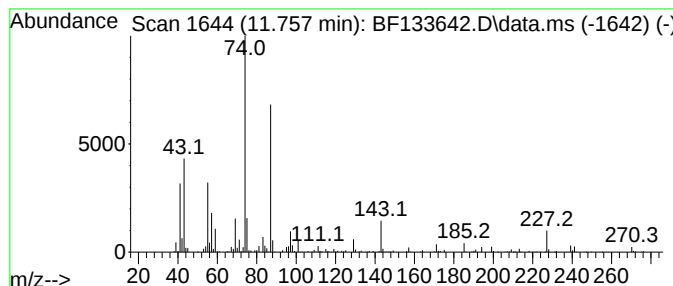
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.757	8.84 ng	299275	Phenanthrene-d10	11.368

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	97
3		Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	87
4		Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	87
5		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133642.D
Acq On : 08 Jun 2023 15:02
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Instrument :
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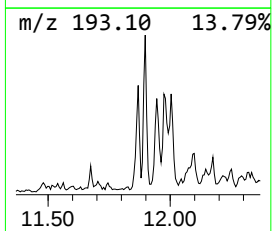
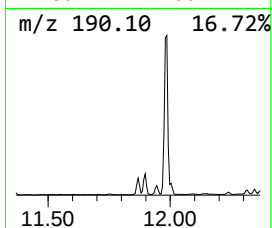
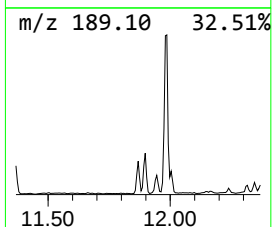
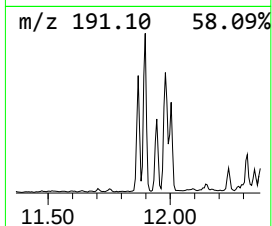
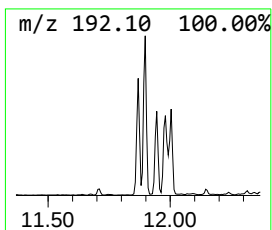
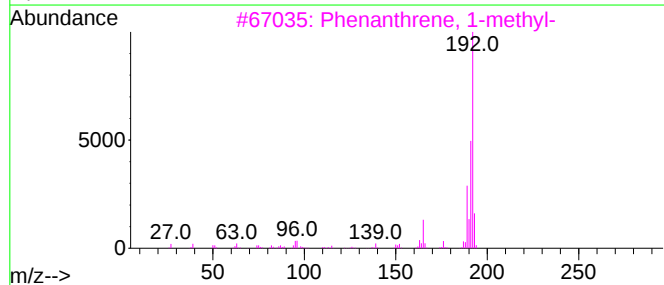
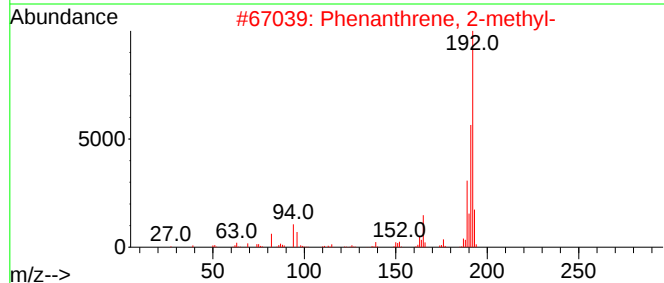
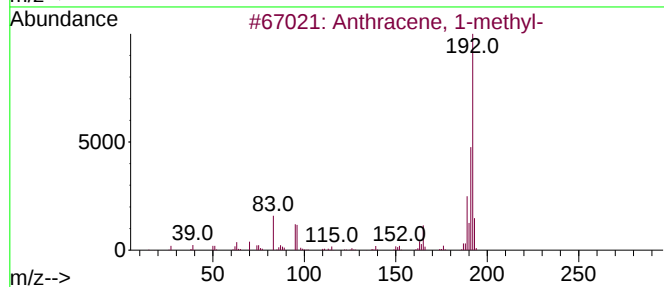
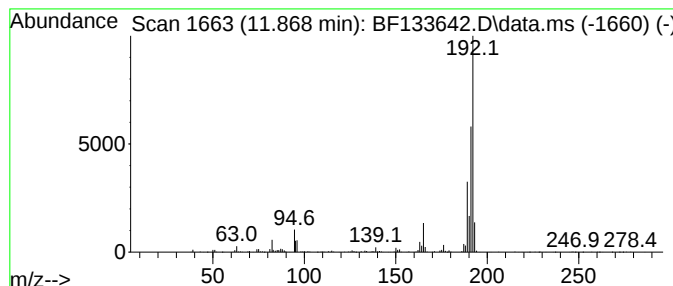
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.868	14.22 ng	481326	Phenanthrene-d10	11.368

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
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Instrument :
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ClientSampleId :
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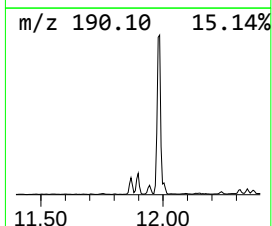
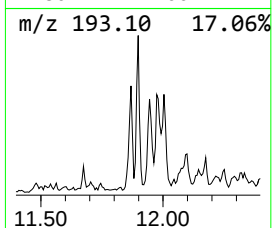
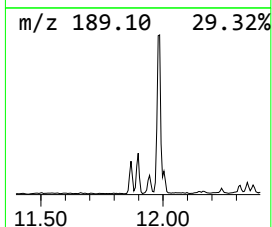
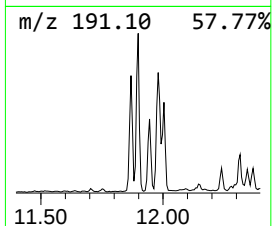
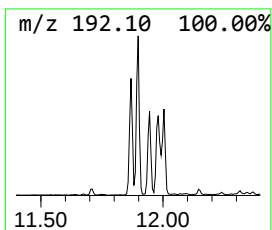
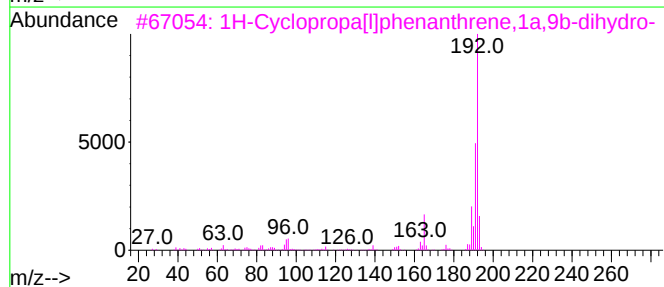
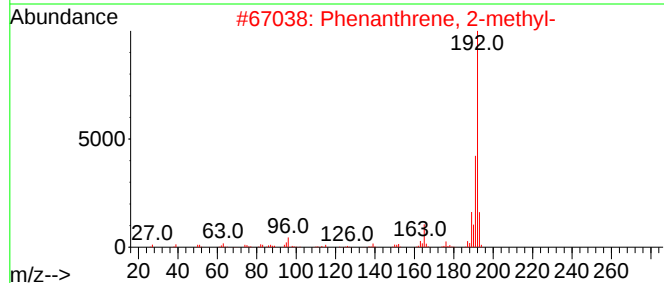
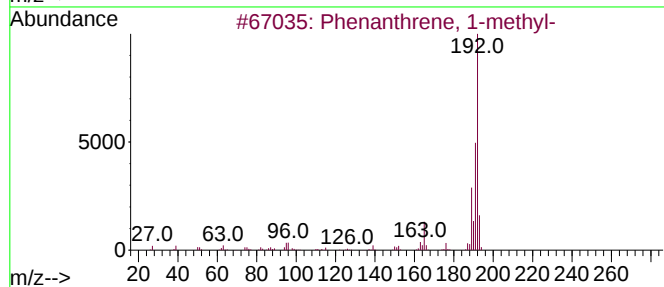
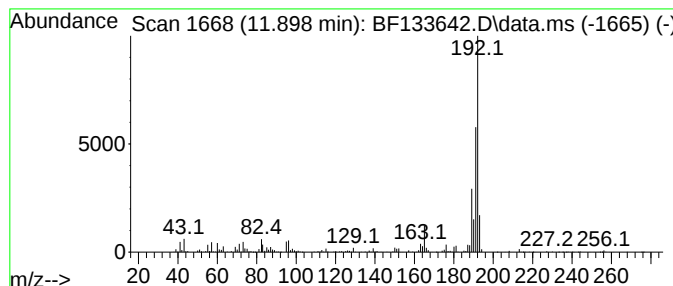
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	23.08 ng	780898	Phenanthrene-d10	11.368

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
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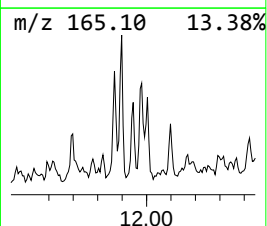
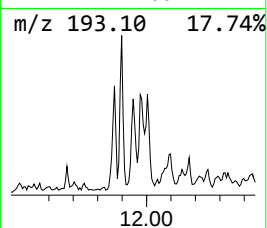
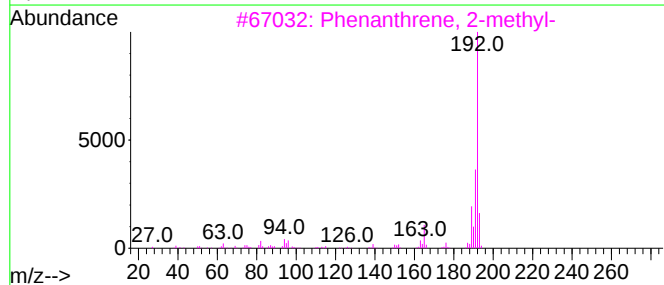
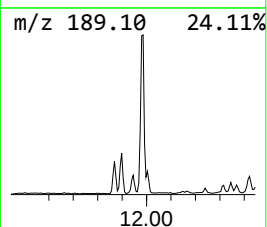
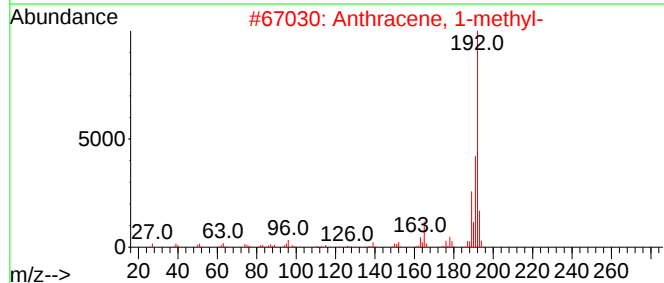
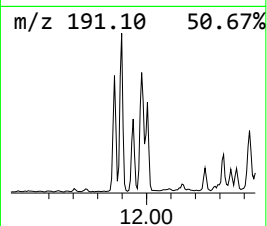
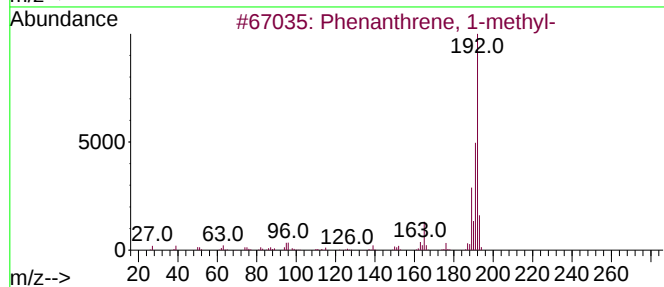
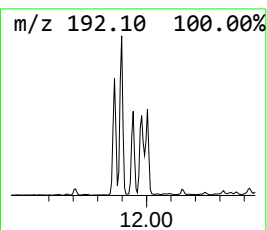
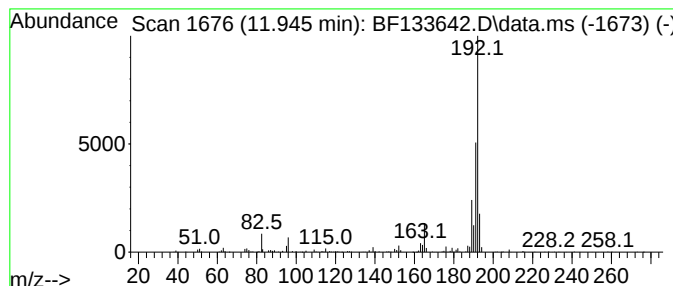
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	10.53 ng	356426	Phenanthrene-d10	11.368

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133642.D
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ALS Vial : 12 Sample Multiplier: 1

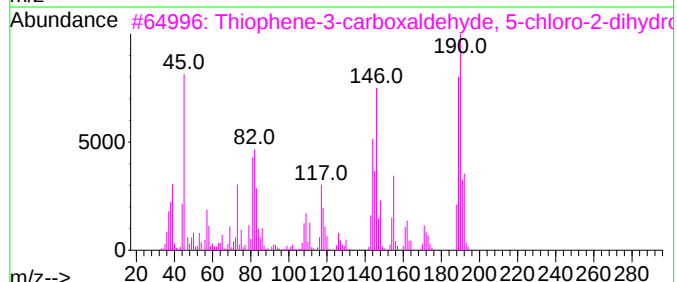
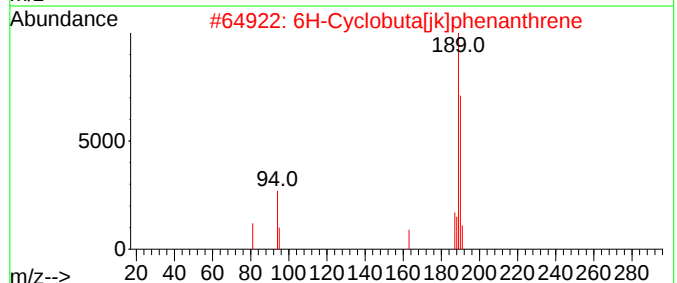
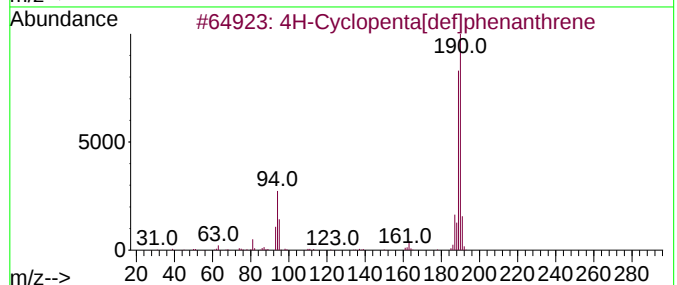
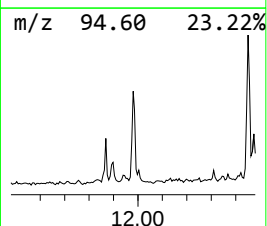
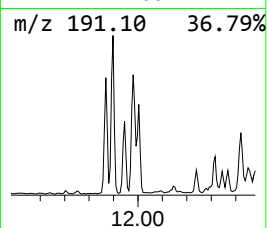
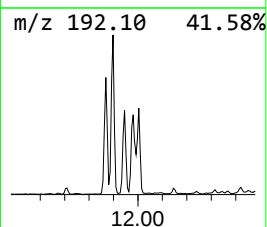
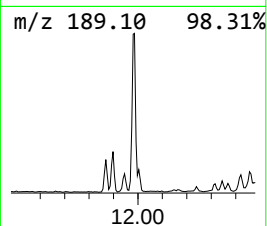
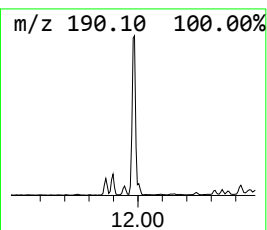
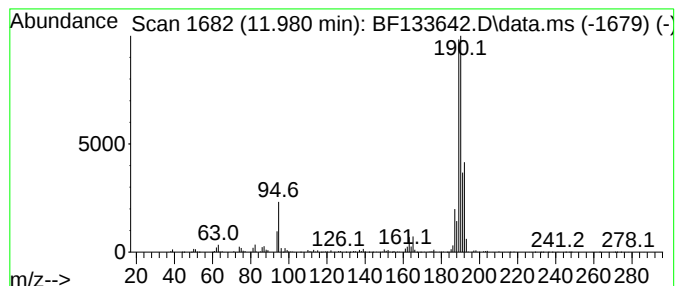
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ClientSampleId :
HR-03-060523

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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 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.980	36.42 ng	1232260	Phenanthrene-d10		11.368	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene		190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene		190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...		190	C5H4BClO3S	036155-87-0	50
4	2,3,5,6-Tetramethylterephthalald...		190	C12H14O2	007072-01-7	47
5	2,2'-Bis(4,5-dimethylimidazole)		190	C10H14N4	069286-06-2	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133642.D
Acq On : 08 Jun 2023 15:02
Operator : CG\JU
Sample : 03049-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

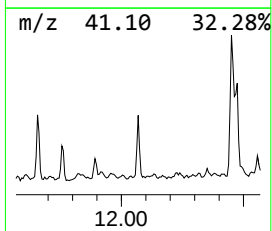
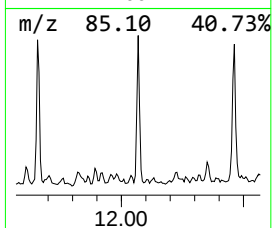
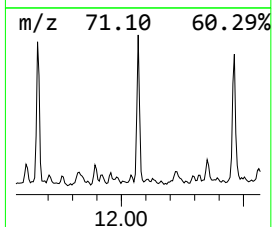
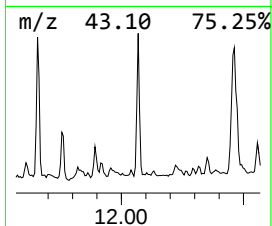
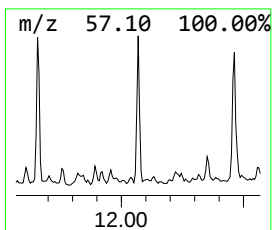
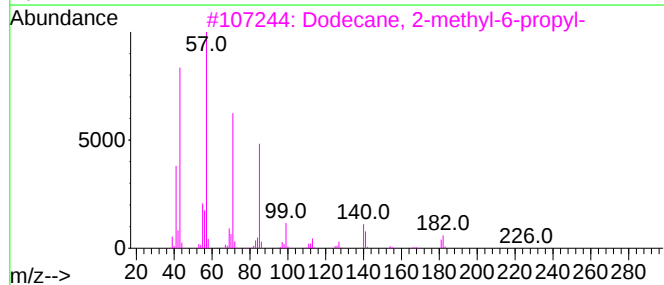
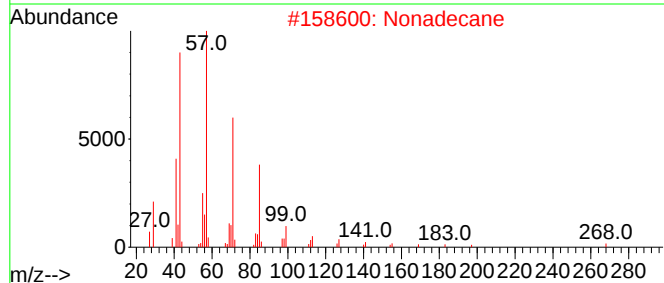
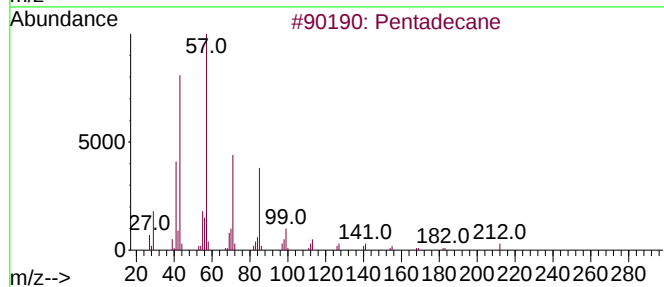
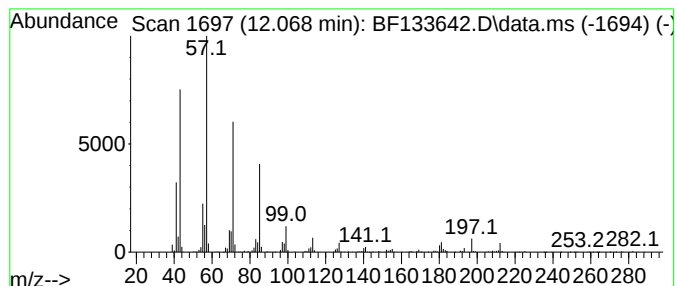
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pentadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.069	15.60 ng	527941	Phenanthrene-d10		11.368	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pentadecane		212	C15H32	000629-62-9	96
2	Nonadecane		268	C19H40	000629-92-5	95
3	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	93
4	Tetradecane, 4-ethyl-		226	C16H34	055045-14-2	90
5	Tetradecane, 1-iodo-		324	C14H29I	019218-94-1	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133642.D
Acq On : 08 Jun 2023 15:02
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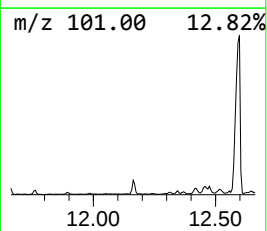
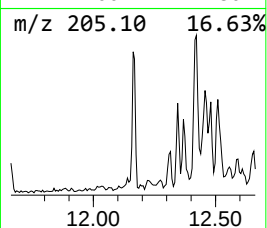
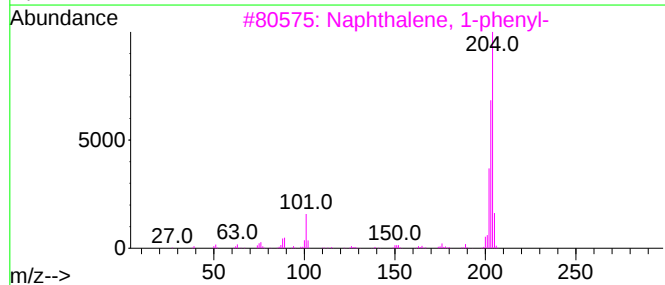
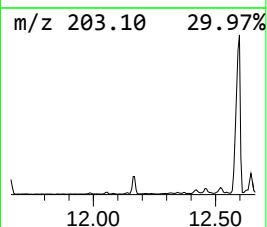
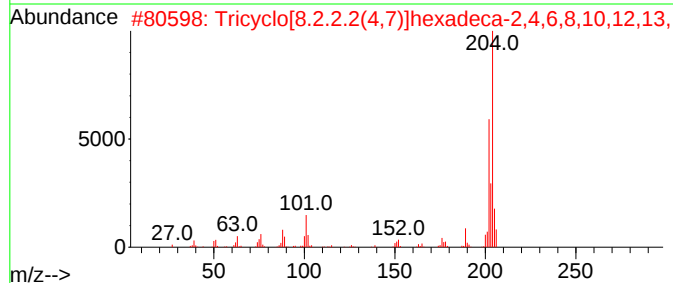
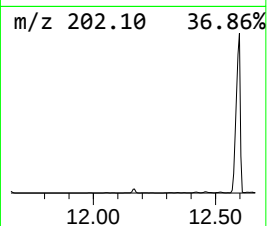
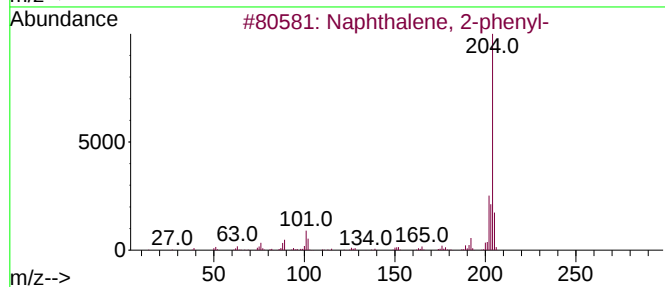
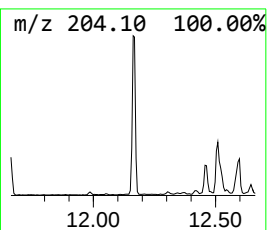
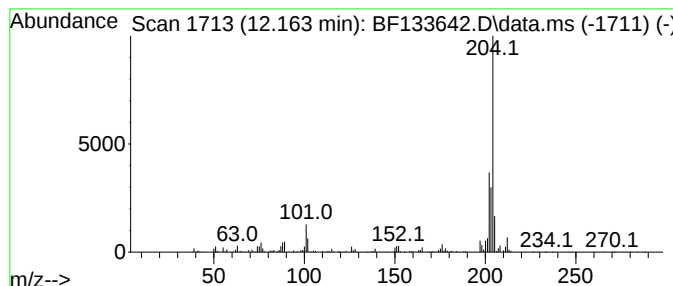
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.163	11.35 ng	383955	Phenanthrene-d10	11.368

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5			[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133642.D
Acq On : 08 Jun 2023 15:02
Operator : CG\JU
Sample : 03049-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

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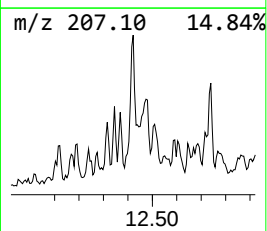
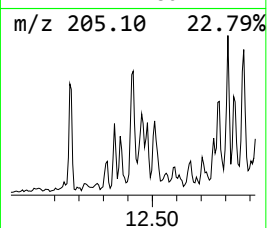
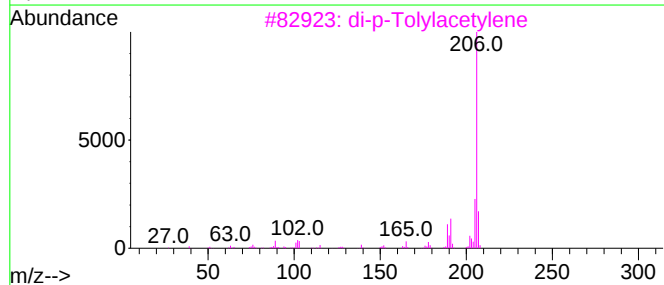
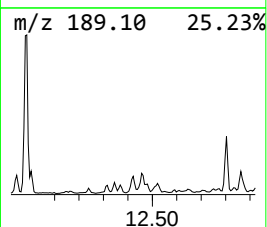
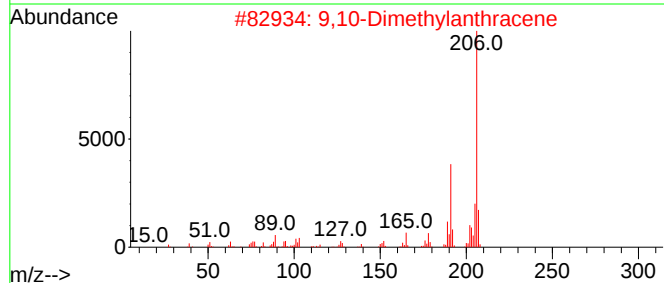
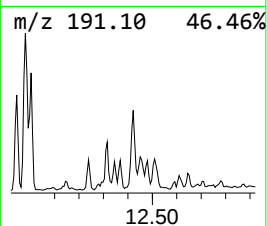
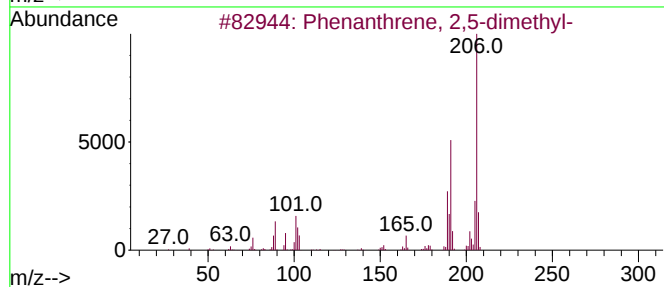
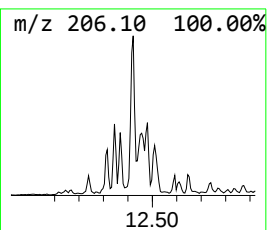
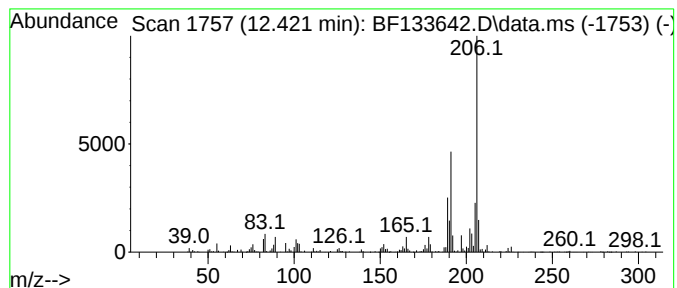
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.421	13.49 ng	456482	Phenanthrene-d10	11.368

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133642.D
Acq On : 08 Jun 2023 15:02
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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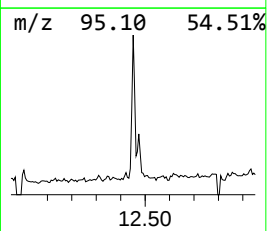
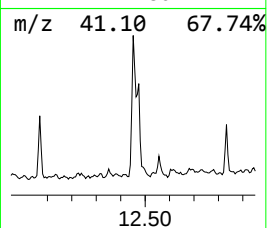
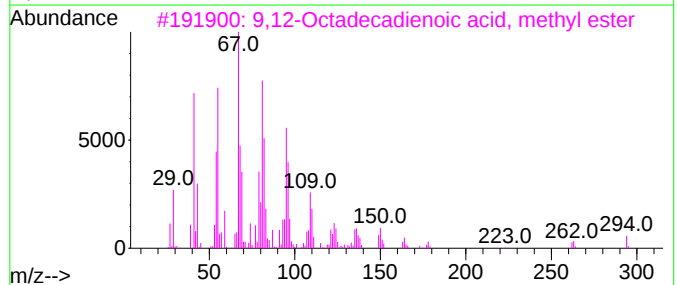
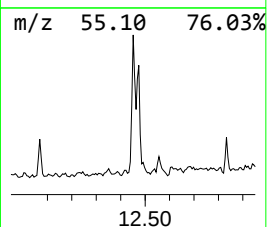
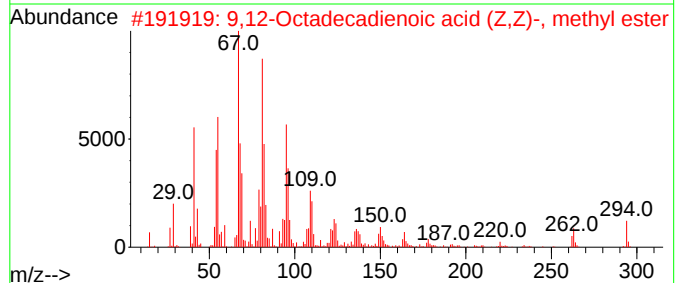
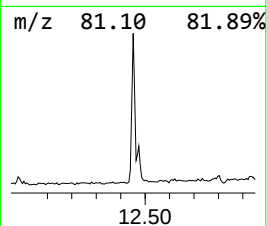
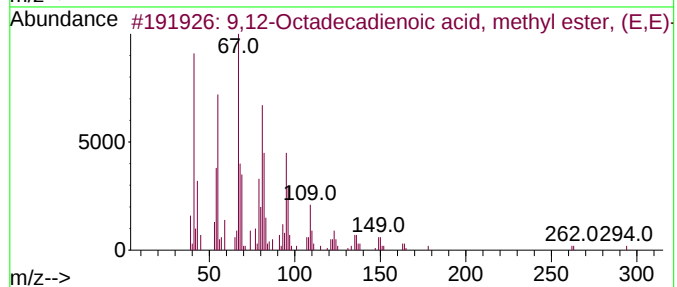
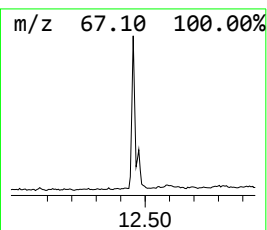
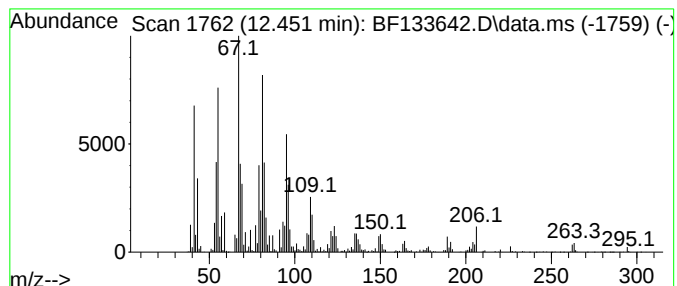
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	68.17 ng	2306630	Phenanthrene-d10	11.368

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2			9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3			9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
4			10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
5			9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133642.D
Acq On : 08 Jun 2023 15:02
Operator : CG\JU
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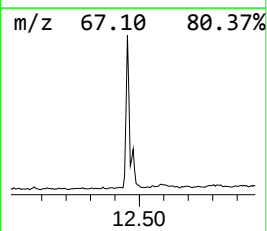
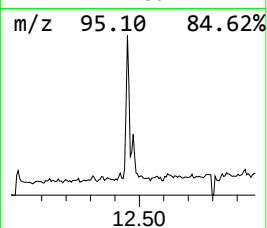
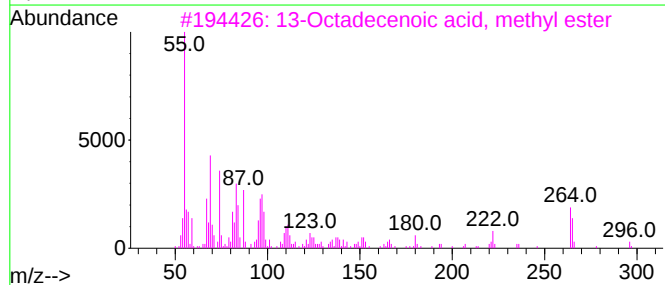
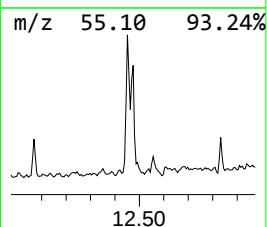
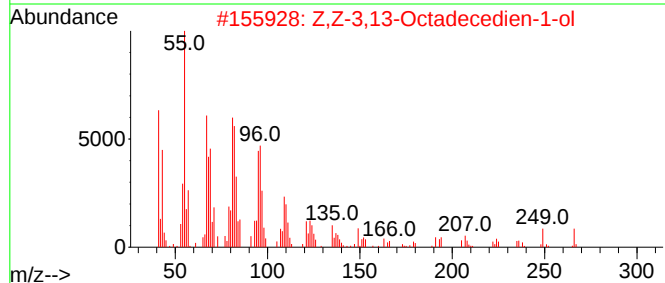
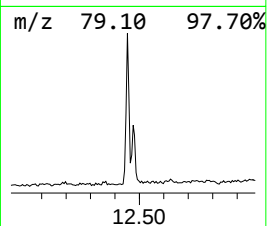
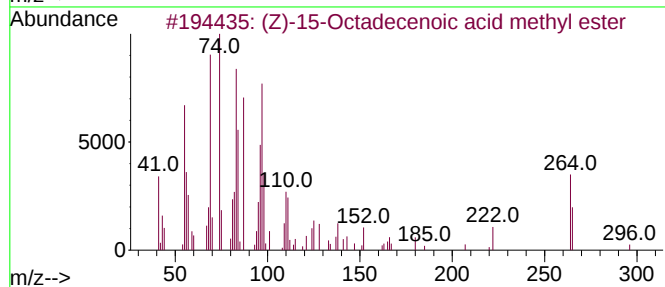
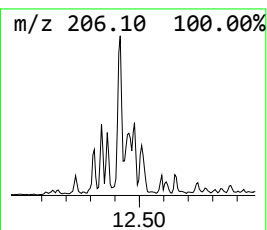
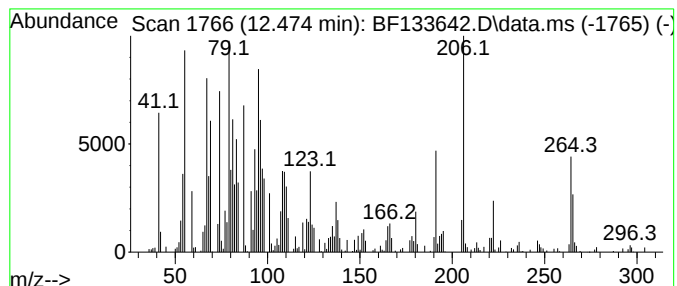
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.474 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.474	20.54 ng	694892	Phenanthrene-d10	11.368

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-15-Octadecenoic acid methyl ...	296	C19H36O2	1000427-69-3	49		
2	Z,Z-3,13-Octadecadien-1-ol	266	C18H34O	1000131-10-7	44		
3	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	38		
4	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	35		
5	4-Octadecenoic acid, methyl ester	296	C19H36O2	056555-10-3	35		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
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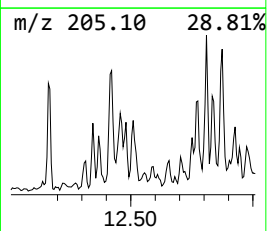
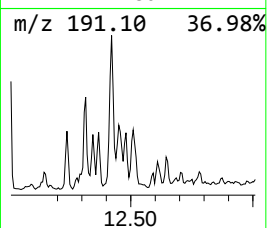
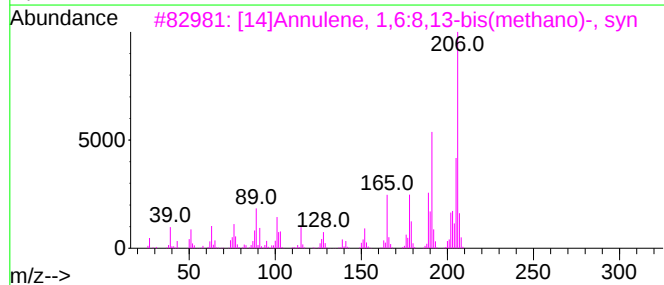
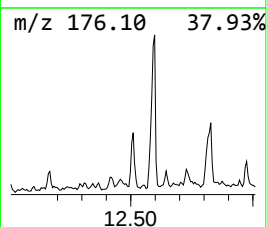
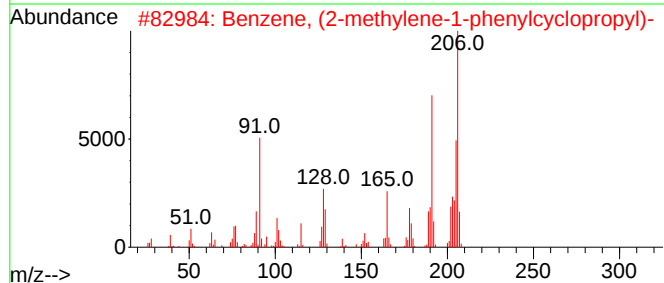
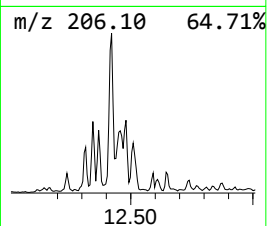
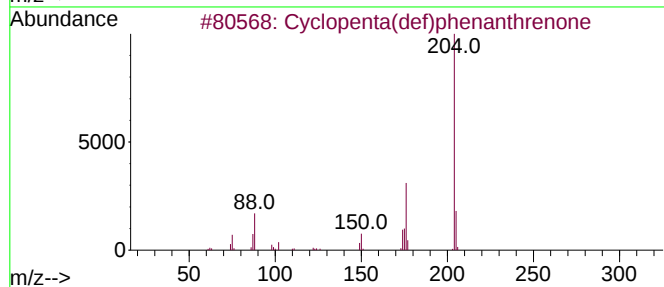
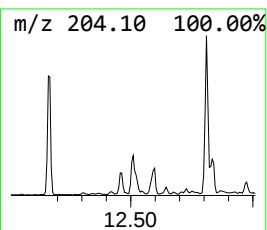
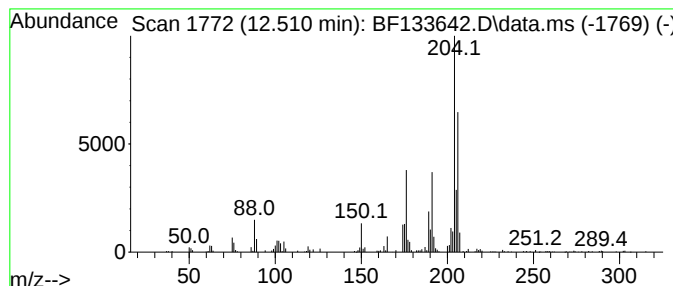
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.510	8.57 ng	290043	Phenanthrene-d10	11.368	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	50
2	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	46
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133642.D
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Operator : CG\JU
Sample : 03049-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

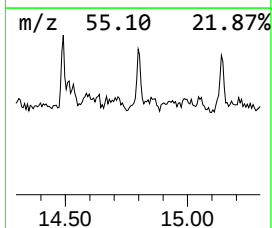
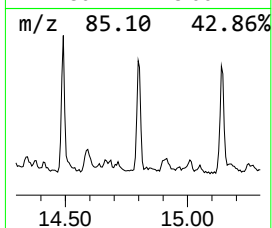
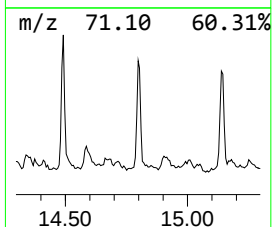
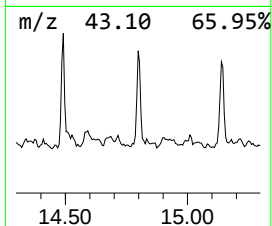
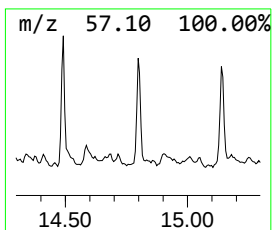
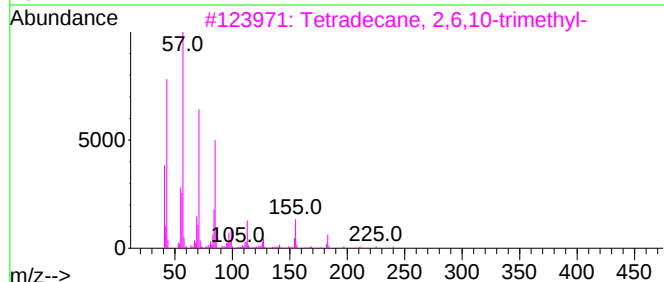
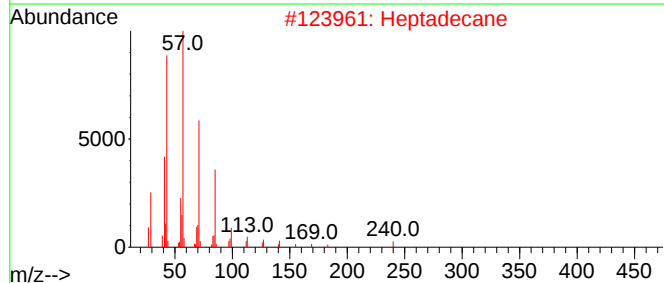
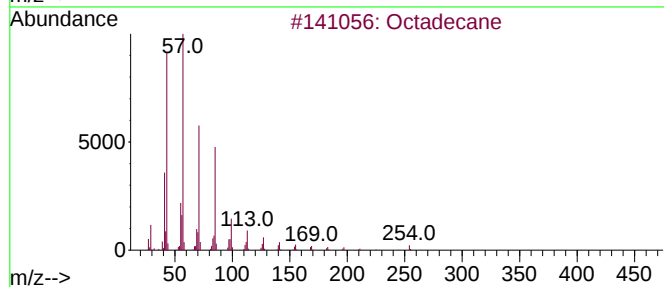
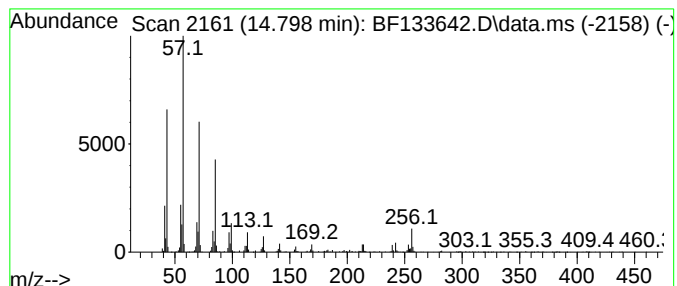
Instrument :
BNA_F
ClientSampleId :
HR-03-060523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Octadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.798	12.48 ng	573336	Perylene-d12	15.498	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	96
2	Heptadecane	240	C17H36	000629-78-7	94
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	90
4	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	89
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133642.D
Acq On : 08 Jun 2023 15:02
Operator : CG\JU
Sample : 03049-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-03-060523

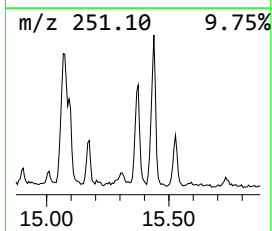
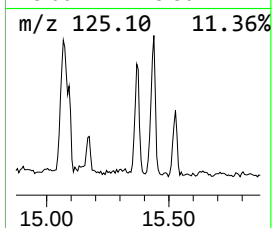
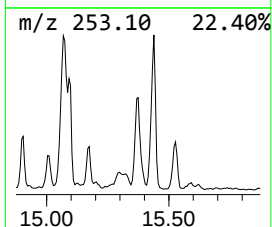
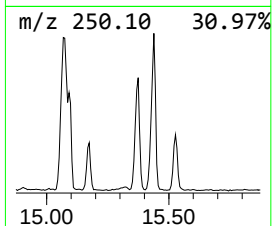
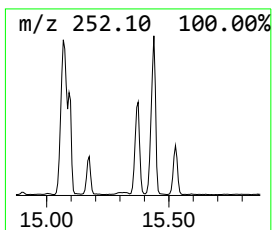
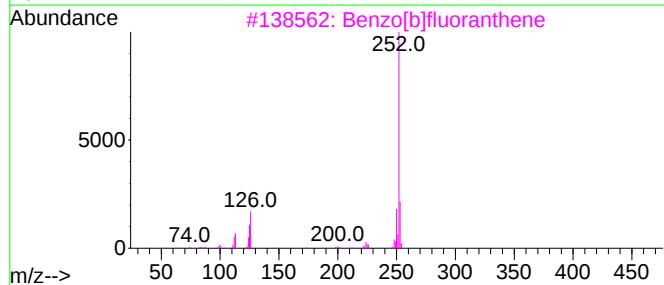
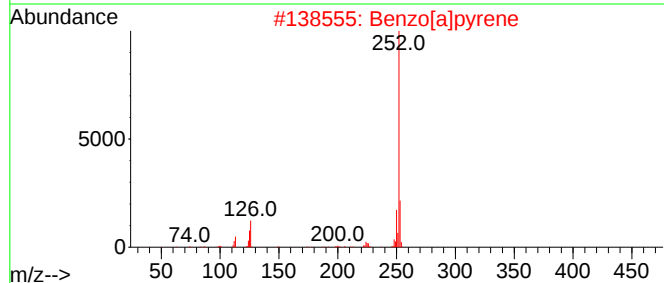
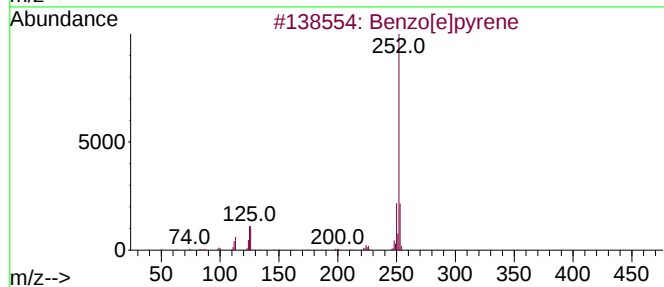
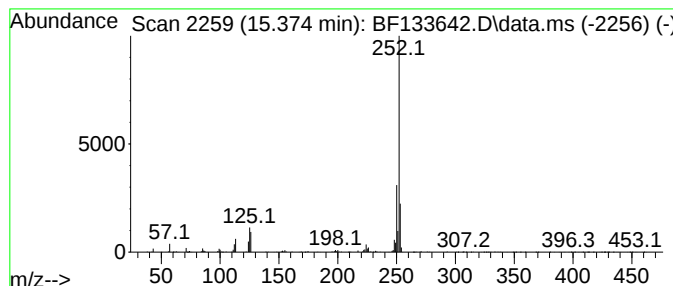
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.374	19.97 ng	916998	Perylene-d12	15.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[a]pyrene	252	C20H12	000050-32-8	97
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133642.D
Acq On : 08 Jun 2023 15:02
Operator : CG\JU
Sample : 03049-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-03-060523

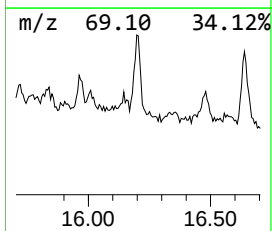
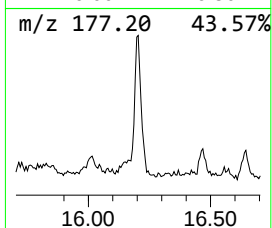
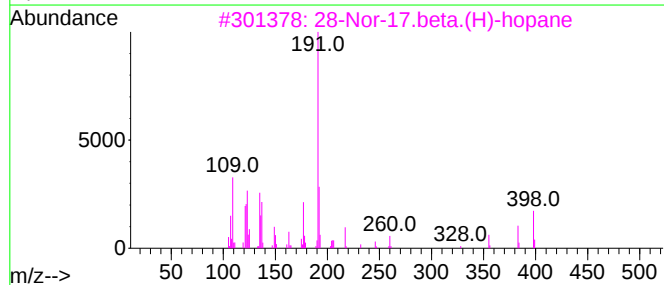
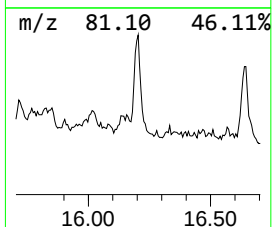
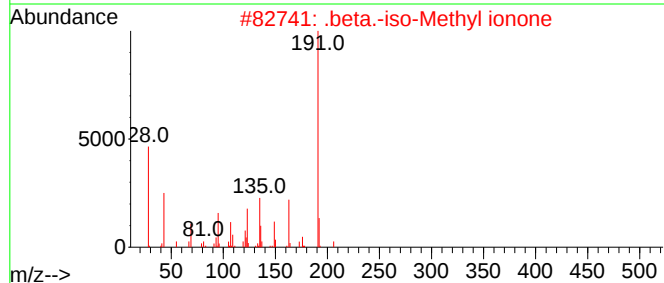
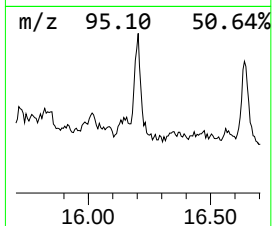
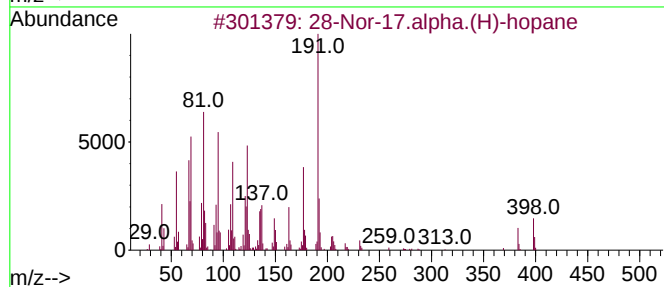
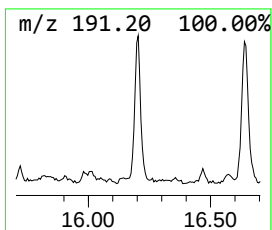
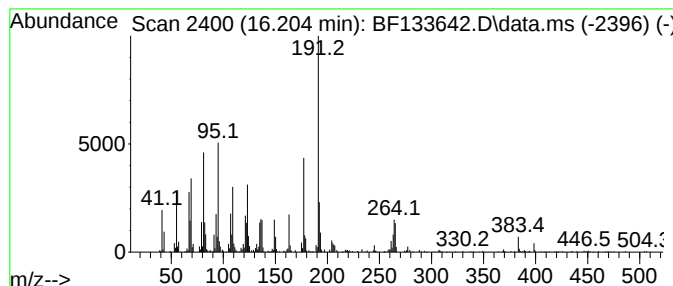
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 28-Nor-17.alpha.(H)-hopane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.203	20.34 ng	934206	Perylene-d12	15.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	87
2			.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	58
3			28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	50
4			2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	43
5			(7S,7aR,13aS)-9-Methoxy-4,4,7,7a-...	344	C22H32O3	1000482-45-3	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133642.D
Acq On : 08 Jun 2023 15:02
Operator : CG\JU
Sample : 03049-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

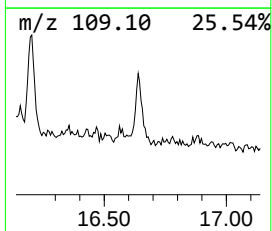
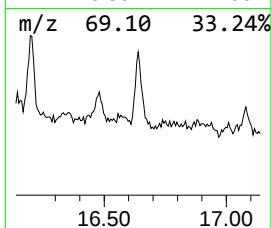
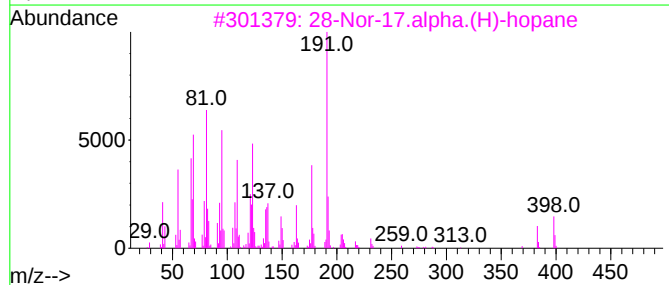
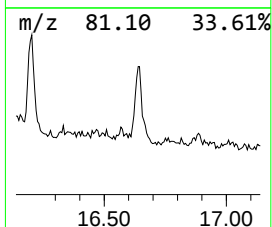
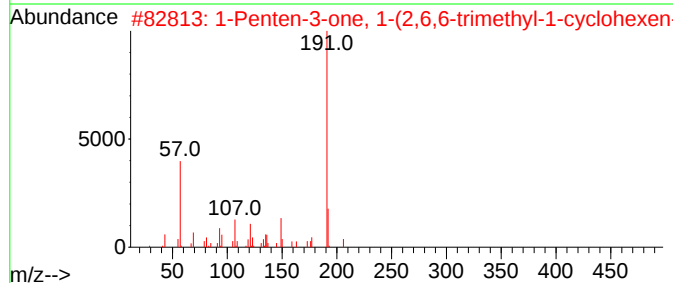
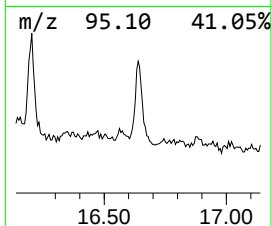
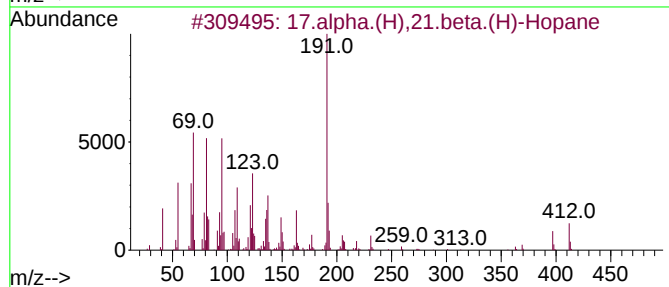
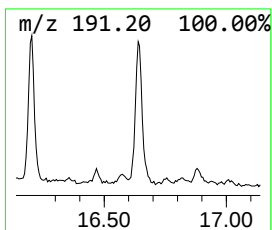
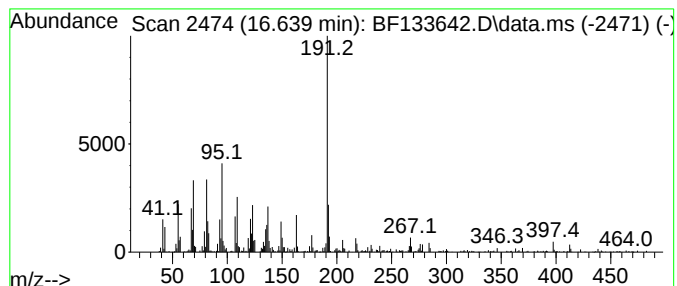
Instrument :
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ClientSampleId :
HR-03-060523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 17.alpha.(H),21.beta.(H)-Ho... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.639	20.54 ng	943421	Perylene-d12	15.498	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17.alpha.(H),21.beta.(H)-Hopane	412	C30H52	013849-96-2	96
2	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	46
3	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	43
4	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	42
5	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	37



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133642.D
 Acq On : 08 Jun 2023 15:02
 Operator : CG\JU
 Sample : 03049-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 HR-03-060523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.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
5-Ethyldecane	10.304	11.1	ng	450508	3	9.875	814848	20.0
Tridecane	10.780	27.5	ng	931620	4	11.368	676758	20.0
Dodecane, 2-met...	11.233	20.3	ng	686704	4	11.368	676758	20.0
Dibenzothiophene	11.263	17.6	ng	595577	4	11.368	676758	20.0
Nonadecane	11.657	16.3	ng	552142	4	11.368	676758	20.0
Hexadecanoic ac...	11.757	8.8	ng	299275	4	11.368	676758	20.0
Anthracene, 1-m...	11.868	14.2	ng	481326	4	11.368	676758	20.0
Phenanthrene, 1...	11.898	23.1	ng	780898	4	11.368	676758	20.0
Phenanthrene, 2...	11.945	10.5	ng	356426	4	11.368	676758	20.0
4H-Cyclopenta[d...	11.980	36.4	ng	1232260	4	11.368	676758	20.0
Pentadecane	12.069	15.6	ng	527941	4	11.368	676758	20.0
Naphthalene, 2-...	12.163	11.4	ng	383955	4	11.368	676758	20.0
Phenanthrene, 2...	12.421	13.5	ng	456482	4	11.368	676758	20.0
9,12-Octadecadi...	12.451	68.2	ng	2306630	4	11.368	676758	20.0
unknown12.474	12.474	20.5	ng	694892	4	11.368	676758	20.0
Cyclopenta(def)...	12.510	8.6	ng	290043	4	11.368	676758	20.0
Octadecane	14.798	12.5	ng	573336	6	15.498	918468	20.0
Benzo[e]pyrene	15.374	20.0	ng	916998	6	15.498	918468	20.0
28-Nor-17.alpha...	16.203	20.3	ng	934206	6	15.498	918468	20.0
17.alpha.(H),21...	16.639	20.5	ng	943421	6	15.498	918468	20.0