LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
Data File : BF128707.D
Acq On : 06 Jun 2022 20:27
Operator : CG\JU
Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-4-060322

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-BF060222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF128707.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.475	539	542	556	rBV	1065225	1087402	7.75%	0.837%
2	6.493	711	715	725	rBV	994308	1029217	7.33%	0.792%
3	6.822	767	771	774	rBV	511983	382405	2.72%	0.294%
4	7.381	862	866	870	rBV	725755	655770	4.67%	0.504%
5	8.104	982	989	991	rBV	531594	418209	2.98%	0.322%
6	9.181	1168	1172	1175	rBV	1380726	1017295	7.25%	0.783%
7	9.863	1281	1288	1290	rBV	483421	414231	2.95%	0.319%
8	9.892	1290	1293	1296	rVB	379601	295126	2.10%	0.227%
9	10.063	1318	1322	1326	rBV	172840	150718	1.07%	0.116%
10	10.410	1377	1381	1386	rVB	343582	301814	2.15%	0.232%
11	10.651	1416	1422	1426	rBV	839886	762234	5.43%	0.586%
12	10.775	1438	1443	1450	rVB3	142706	203989	1.45%	0.157%
13	10.957	1468	1474	1477	rBV3	132451	181084	1.29%	0.139%
14	11.086	1491	1496	1498	rBV2	134733	170740	1.22%	0.131%
15	11.198	1511	1515	1520	rVV2	137650	215434	1.53%	0.166%
16	11.245	1520	1523	1528	rVB	215098	207060	1.48%	0.159%
17	11.351	1537	1541	1543	rBV	439954	462687	3.30%	0.356%
18	11.381	1543	1546	1549	rVV	3427449	2911875	20.75%	2.240%
19	11.428	1549	1554	1557	rVV	1504512	1246217	8.88%	0.959%
20	11.645	1589	1591	1594	rBV	213983	166101	1.18%	0.128%
21	11.745	1605	1608	1611	rBV	1698746	1326549	9.45%	1.021%
22	11.851	1621	1626	1629	rBV	466657	477897	3.40%	0.368%
23	11.880	1629	1631	1635	rVV	821368	729554	5.20%	0.561%
24	11.928	1635	1639	1642	rVV	428700	443397	3.16%	0.341%
25	11.969	1642	1646	1648	rVV	1486078	1477684	10.53%	1.137%
26	11.986	1648	1649	1654	rVB	412287	298899	2.13%	0.230%
27	12.151	1674	1677	1679	rBV	572630	440067	3.14%	0.339%
28	12.175	1679	1681	1685	rVB	267205	252827	1.80%	0.195%
29	12.298	1697	1702	1705	rBV	188499	196783	1.40%	0.151%
30	12.404	1716	1720	1723	rBV	379402	459250	3.27%	0.353%
31	12.451	1723	1728	1730	rBV	6981512	7518772	53.57%	5.784%
32	12.469	1730	1731	1735	rVV2	4385687	3122288	22.24%	2.402%
33	12.504	1735	1737	1741	rVB	586620	653293	4.65%	0.503%
34	12.545	1741	1744	1746	rBV	808125	696053	4.96%	0.535%
35	12.598	1746	1753	1755	rVB	7826771	12885638	91.80%	9.913%
36	12.639	1758	1760	1763	rVB	213974	172416	1.23%	0.133%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
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Acq On : 06 Jun 2022 20:27
Operator : CG\JU
Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

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-BF060222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.722	1769	1774	1777	rBV2	553681	605374	4.31%	0.466%
38	12.827	1784	1792	1794	rBV3	7293942	14036099	100.00%	10.798%
39	12.851	1794	1796	1801	rVB2	523462	551026	3.93%	0.424%
40	12.922	1804	1808	1810	rBV	734384	777269	5.54%	0.598%
41	12.945	1810	1812	1818	rVB2	1411594	1391855	9.92%	1.071%
42	13.027	1819	1826	1828	rBV2	715653	1253406	8.93%	0.964%
43	13.104	1836	1839	1841	rBV2	551614	628239	4.48%	0.483%
44	13.133	1841	1844	1847	rVB	1751328	1576008	11.23%	1.212%
45	13.169	1847	1850	1852	rBV2	129845	187397	1.34%	0.144%
46	13.198	1852	1855	1858	rBV	1261110	1081101	7.70%	0.832%
47	13.233	1858	1861	1864	rVV2	989092	1106370	7.88%	0.851%
48	13.263	1864	1866	1869	rVB2	360218	290949	2.07%	0.224%
49	13.292	1869	1871	1874	rVB2	251762	195159	1.39%	0.150%
50	13.327	1874	1877	1879	rBV	513343	401338	2.86%	0.309%
51	13.357	1879	1882	1885	rBV2	541564	516656	3.68%	0.397%
52	13.433	1893	1895	1900	rVB3	235551	274216	1.95%	0.211%
53	13.516	1904	1909	1910	rBV3	207198	282423	2.01%	0.217%
54	13.551	1913	1915	1918	rVV	216262	197217	1.41%	0.152%
55	13.616	1922	1926	1927	rBV	230348	261107	1.86%	0.201%
56	13.639	1927	1930	1934	rVV	851222	877410	6.25%	0.675%
57	13.751	1945	1949	1951	rVV	1167649	1162473	8.28%	0.894%
58	13.780	1951	1954	1956	rVV	1121792	1114261	7.94%	0.857%
59	13.804	1956	1958	1964	rVV3	1170335	1655117	11.79%	1.273%
60	13.857	1964	1967	1970	rVB	819079	855207	6.09%	0.658%
61	13.922	1973	1978	1984	rVB	286113	492181	3.51%	0.379%
62	14.010	1984	1993	1996	rBV	5349909	9077742	64.67%	6.984%
63	14.051	1996	2000	2005	rVV	5141646	6041752	43.04%	4.648%
64	14.122	2005	2012	2015	rVV	1898457	1976945	14.08%	1.521%
65	14.151	2015	2017	2021	rVV3	445706	592828	4.22%	0.456%
66	14.198	2023	2025	2027	rVV	381739	336952	2.40%	0.259%
67	14.221	2027	2029	2034	rVV2	556141	781586	5.57%	0.601%
68	14.263	2034	2036	2038	rVB	238994	188728	1.34%	0.145%
69	14.321	2043	2046	2048	rBV2	171309	175443	1.25%	0.135%
70	14.351	2048	2051	2053	rBV2	326239	310999	2.22%	0.239%
71	14.392	2053	2058	2061	rVB	882725	819242	5.84%	0.630%
72	14.421	2061	2063	2067	rVB2	440098	434870	3.10%	0.335%
73	14.486	2067	2074	2076	rBV3	539963	776566	5.53%	0.597%
74	14.516	2076	2079	2081	rBV	490023	415852	2.96%	0.320%
75	14.539	2081	2083	2086	rVB	724656	553001	3.94%	0.425%
76	14.574	2086	2089	2090	rBV	238324	245804	1.75%	0.189%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
Data File : BF128707.D
Acq On : 06 Jun 2022 20:27
Operator : CG\JU
Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

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 >
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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.704	2107	2111	2113	rBV	322570	370508	2.64%	0.285%
78	14.780	2120	2124	2134	rVB7	180809	479909	3.42%	0.369%
79	14.886	2138	2142	2149	rVB2	403779	560847	4.00%	0.431%
80	15.074	2165	2174	2176	rBV	3781848	7467744	53.20%	5.745%
81	15.098	2176	2178	2180	rVV	2691021	2138487	15.24%	1.645%
82	15.121	2180	2182	2186	rVV2	227974	307457	2.19%	0.237%
83	15.163	2186	2189	2193	rVB	927633	1009022	7.19%	0.776%
84	15.245	2199	2203	2204	rBV2	234060	253115	1.80%	0.195%
85	15.310	2211	2214	2217	rVB3	155831	183662	1.31%	0.141%
86	15.368	2217	2224	2229	rVB	1970201	3204545	22.83%	2.465%
87	15.445	2229	2237	2240	rVB	3152344	4915378	35.02%	3.781%
88	15.486	2240	2244	2246	rBV2	259849	369946	2.64%	0.285%
89	15.521	2246	2250	2255	rVB2	1270897	1737971	12.38%	1.337%
90	15.839	2301	2304	2310	rVB4	128543	205032	1.46%	0.158%
91	16.039	2334	2338	2347	rVB	238842	369813	2.63%	0.285%
92	16.757	2455	2460	2463	rBV3	163342	323942	2.31%	0.249%
93	16.974	2486	2497	2501	rVB2	1286770	3182399	22.67%	2.448%
94	17.021	2502	2505	2515	rVB	159669	294459	2.10%	0.227%
95	17.121	2515	2522	2527	rBV	326499	715124	5.09%	0.550%
96	17.186	2528	2533	2537	rBV2	203908	347118	2.47%	0.267%
97	17.421	2562	2573	2581	rVB	940282	2631782	18.75%	2.025%
98	17.639	2602	2610	2621	rVB2	375359	987734	7.04%	0.760%

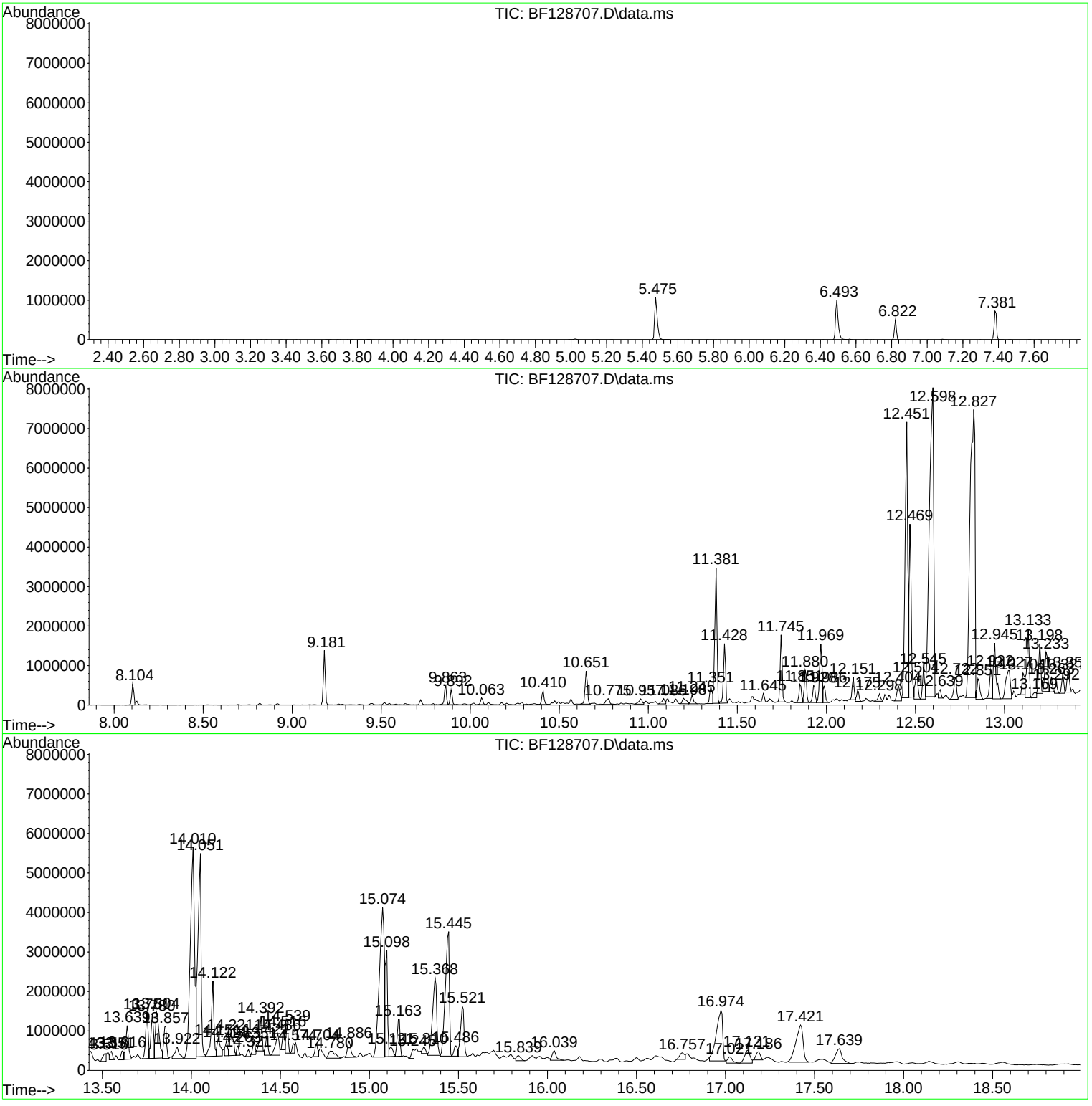
Sum of corrected areas: 129985137

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
Data File : BF128707.D
Acq On : 06 Jun 2022 20:27
Operator : CG\JU
Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.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\BF060622\
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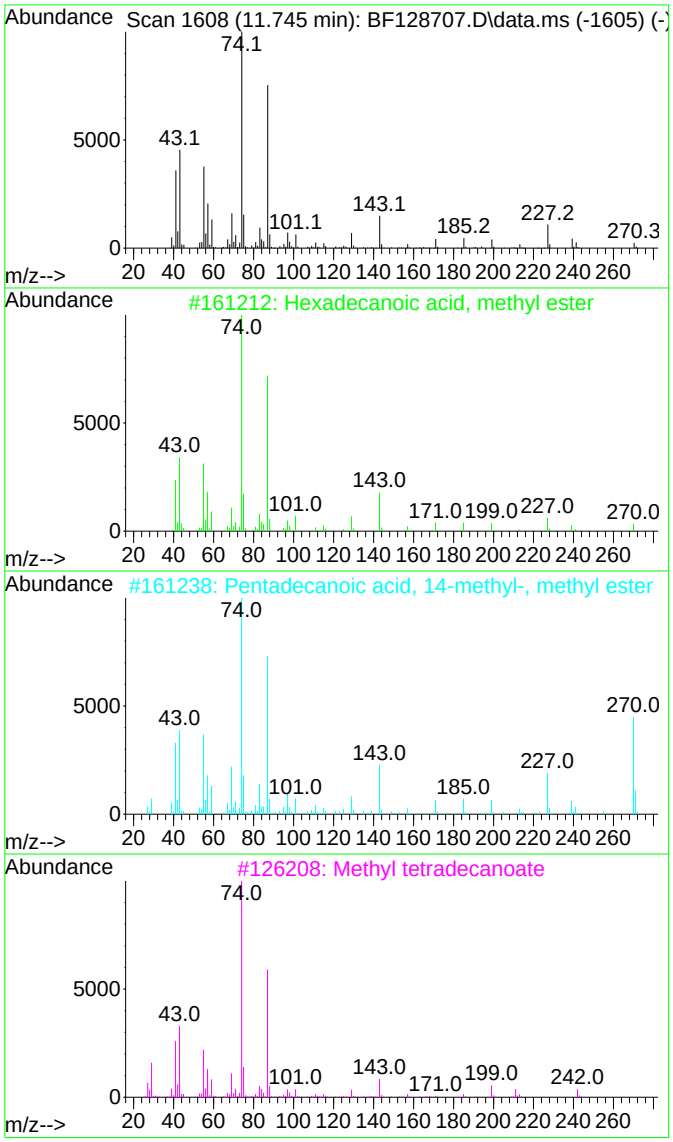
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

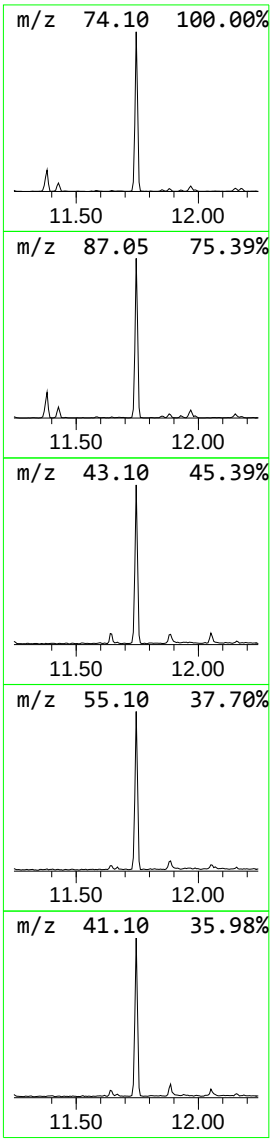
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.745	57.34 ng	1326550	Phenanthrene-d10	11.351

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	95
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
5	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
Data File : BF128707.D
Acq On : 06 Jun 2022 20:27
Operator : CG\JU
Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

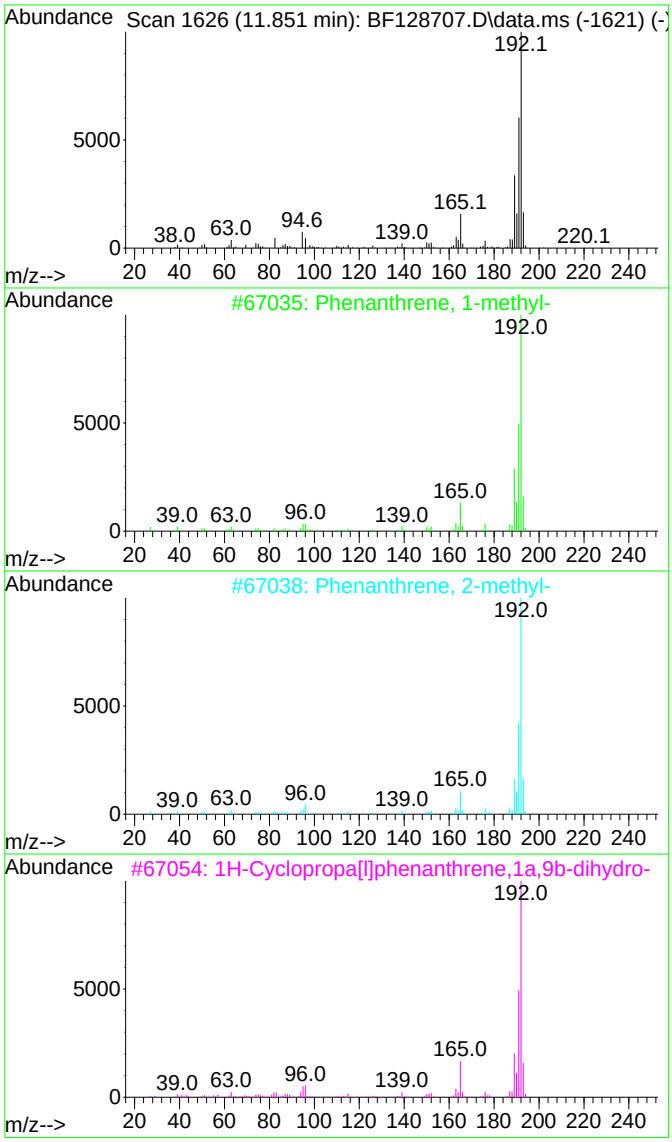
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

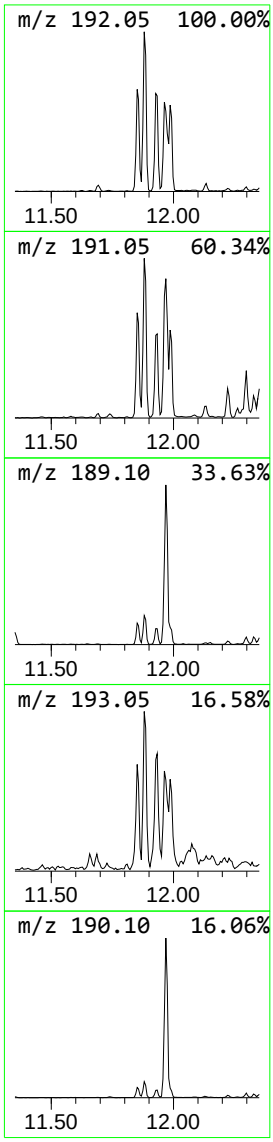
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	20.66 ng	477897	Phenanthrene-d10	11.351

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
Data File : BF128707.D
Acq On : 06 Jun 2022 20:27
Operator : CG\JU
Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

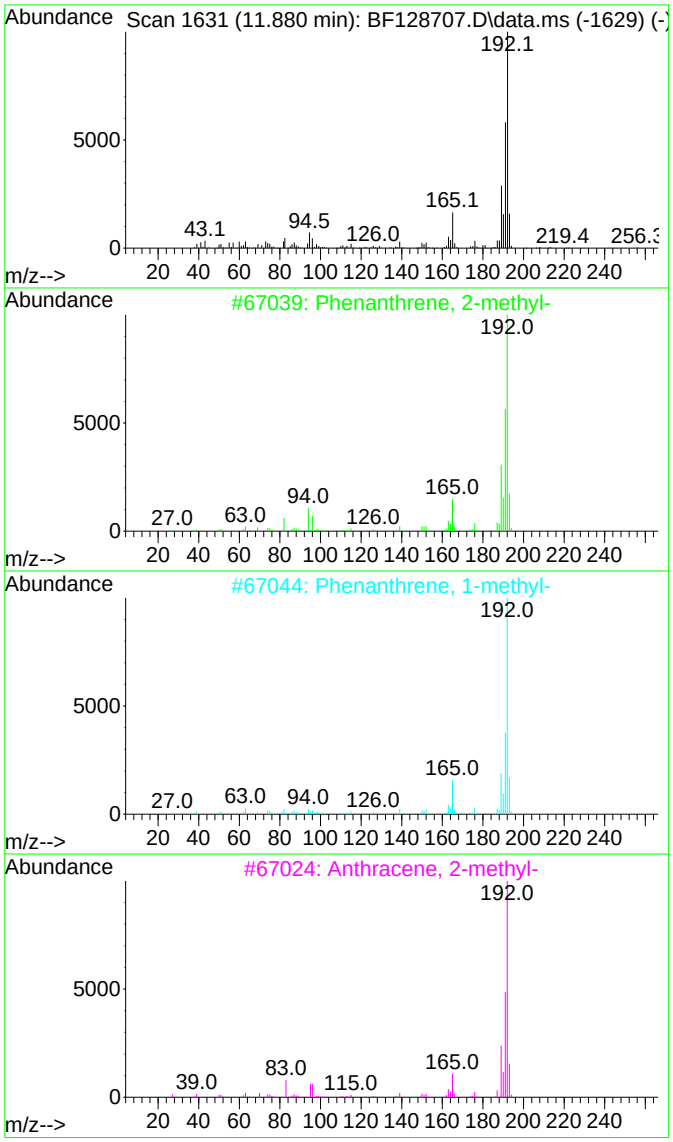
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

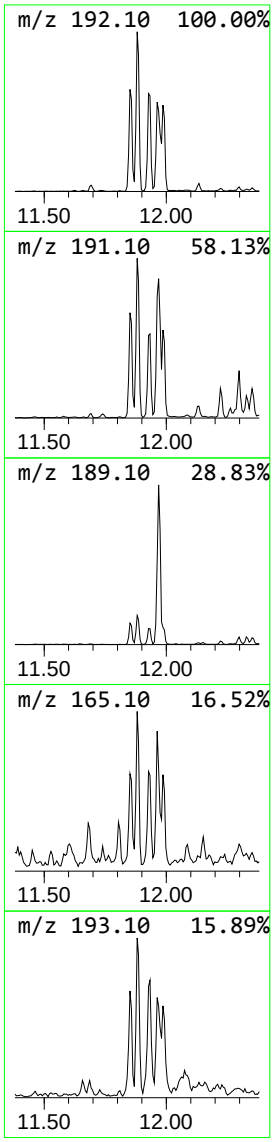
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.881	31.54 ng	729554	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Acq On : 06 Jun 2022 20:27
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Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

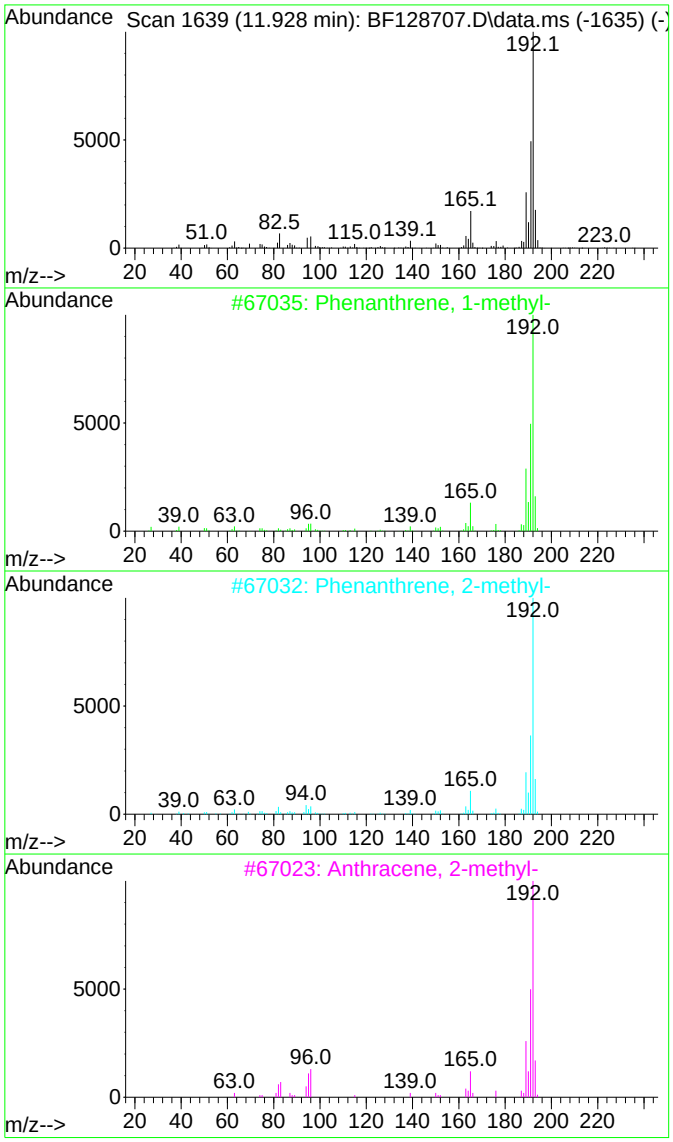
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

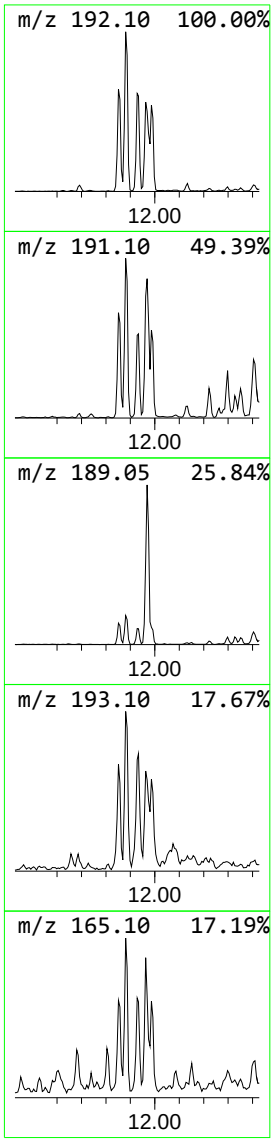
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	19.17 ng	443397	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
Data File : BF128707.D
Acq On : 06 Jun 2022 20:27
Operator : CG\JU
Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

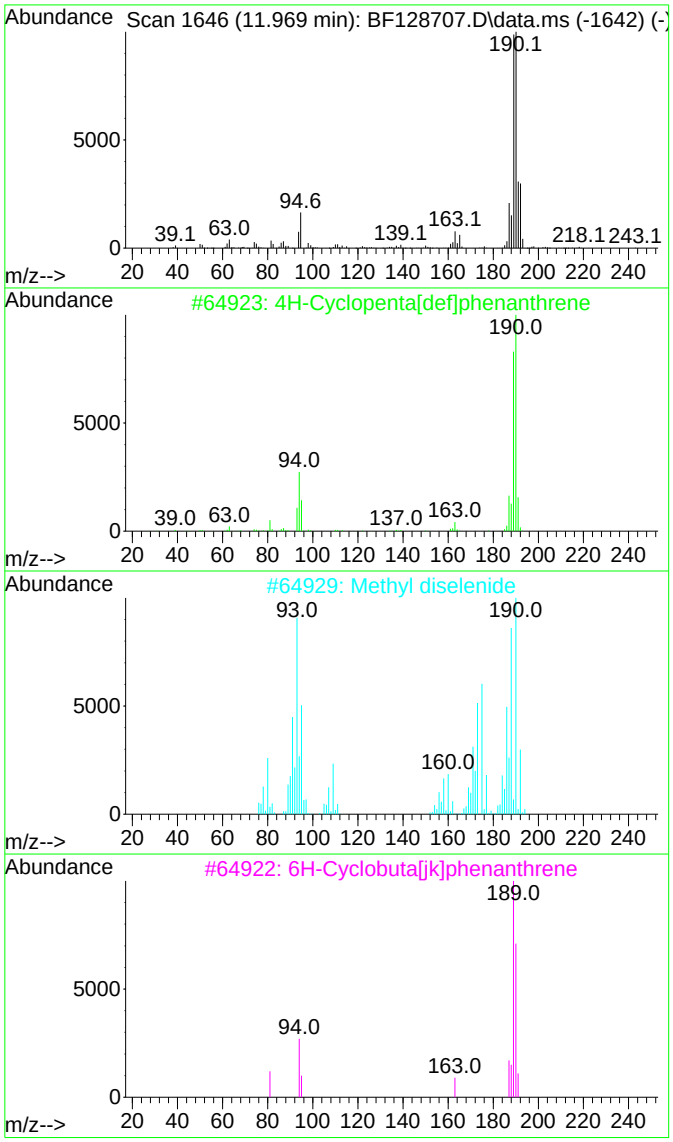
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

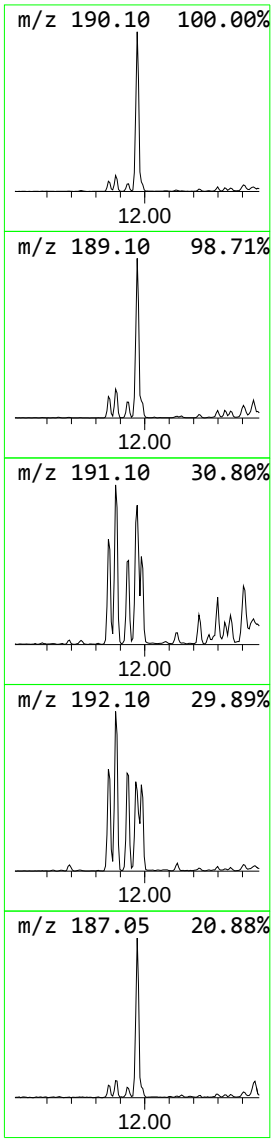
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	63.87 ng	1477680	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	17





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Acq On : 06 Jun 2022 20:27
Operator : CG\JU
Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

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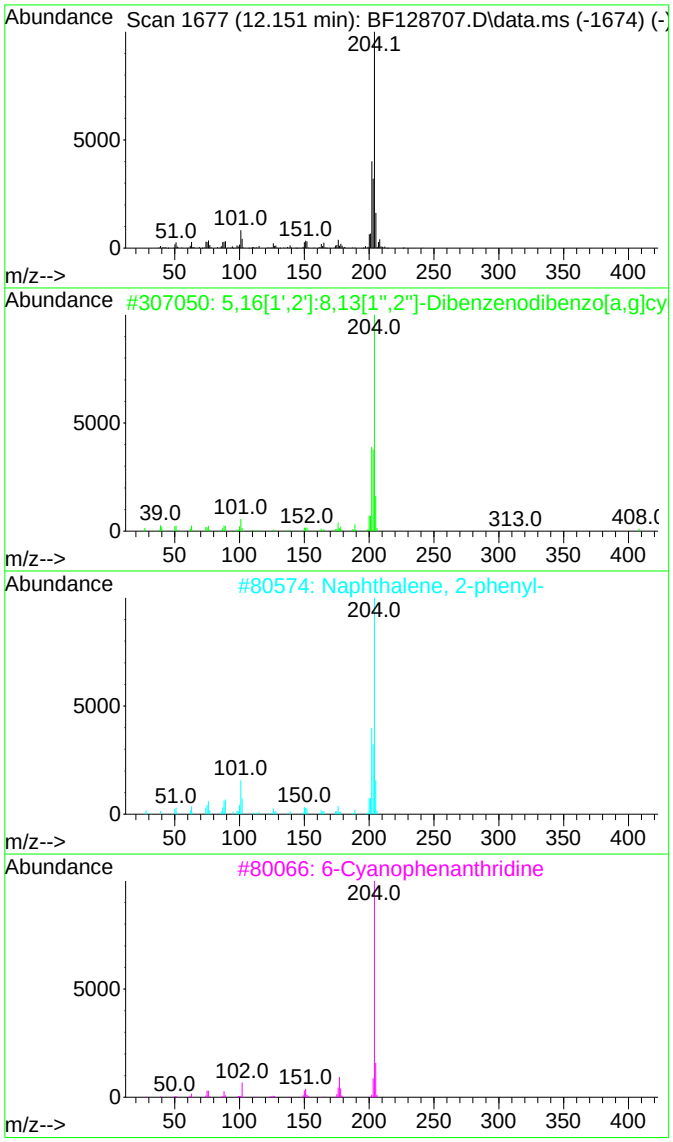
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

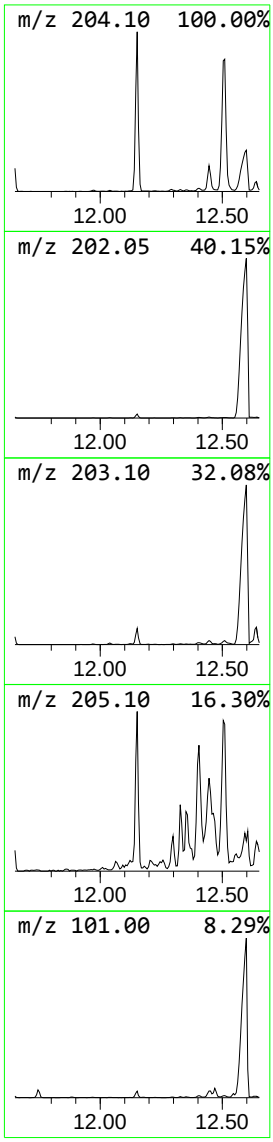
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.151	19.02 ng	440067	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	49
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49





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

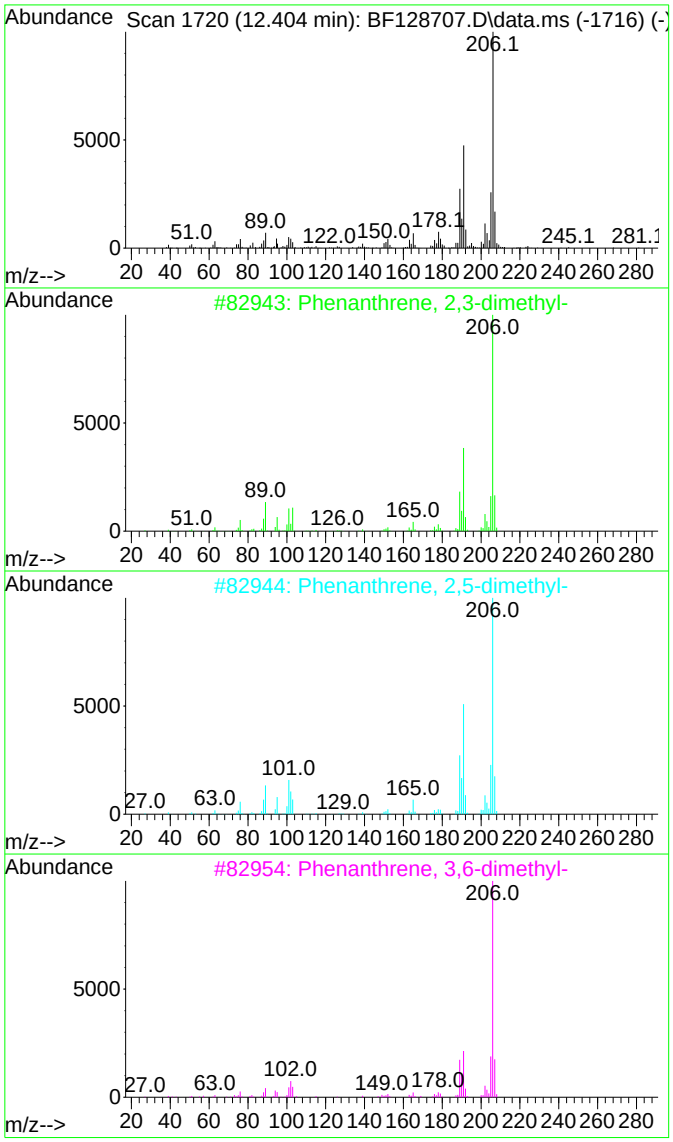
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

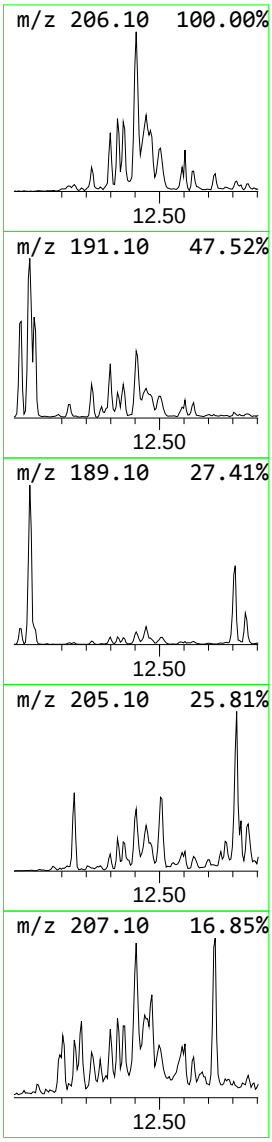
****

Peak Number 7 Phenanthrene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.404	19.85 ng	459250	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91





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Operator : CG\JU
Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

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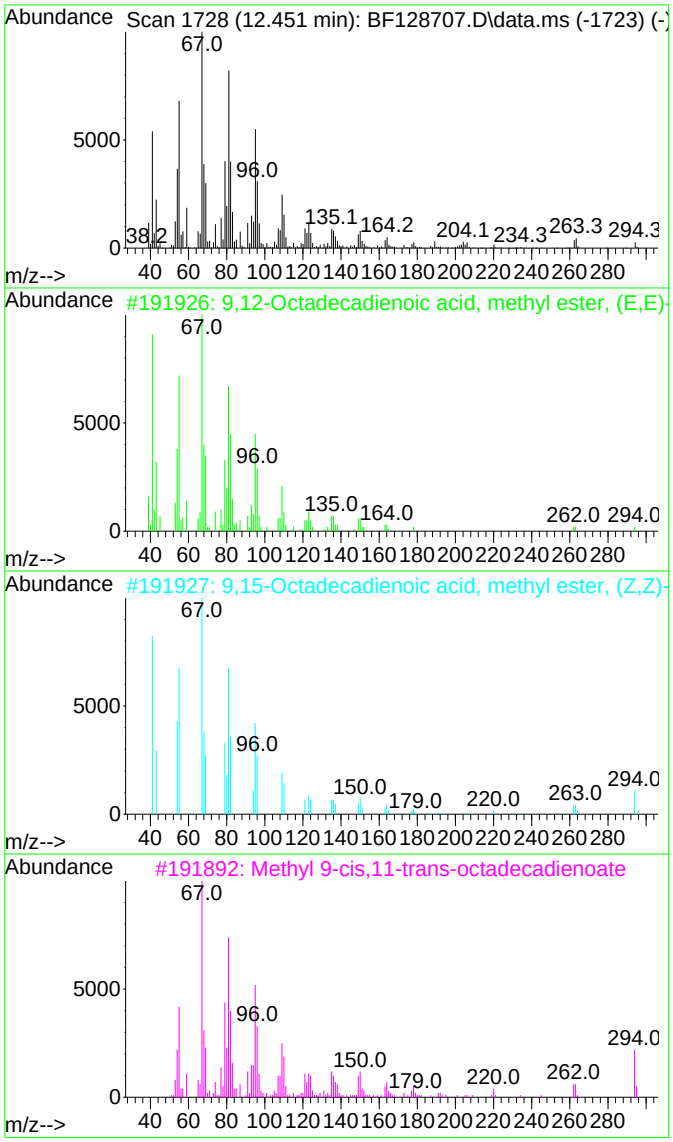
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

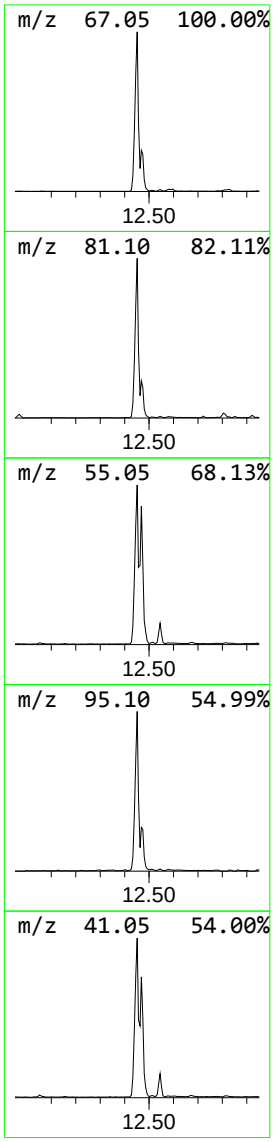
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	325.01 ng	7518770	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	013058-52-1	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98





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Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

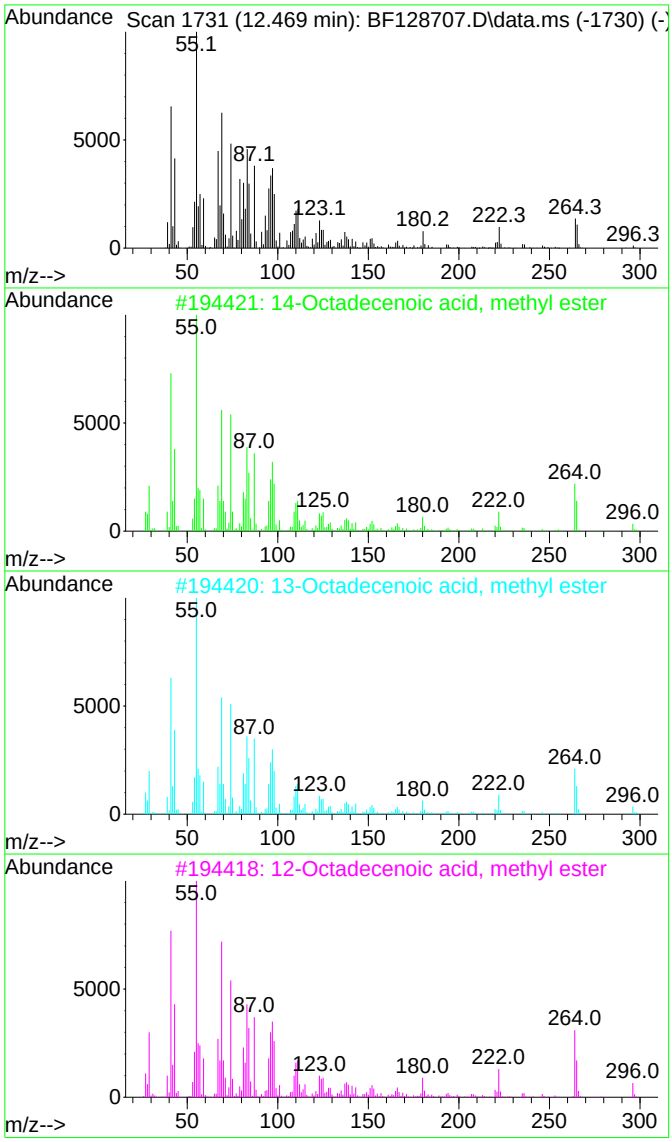
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

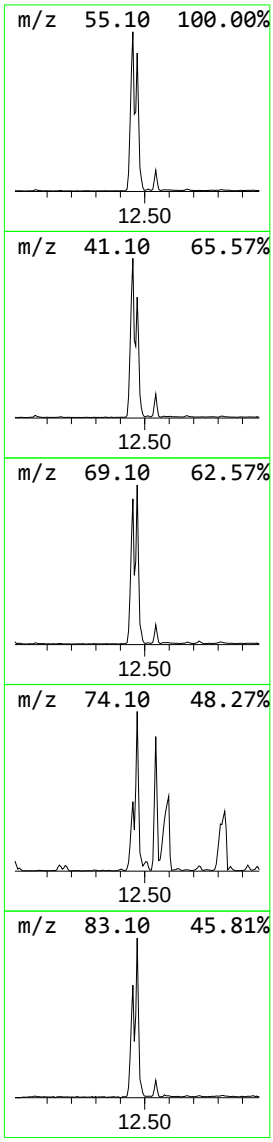
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 14-Octadecenoic acid, methy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	134.96 ng	3122290	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
2	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
3	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	98
4	7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	98
5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	98





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Misc :
ALS Vial : 18 Sample Multiplier: 1

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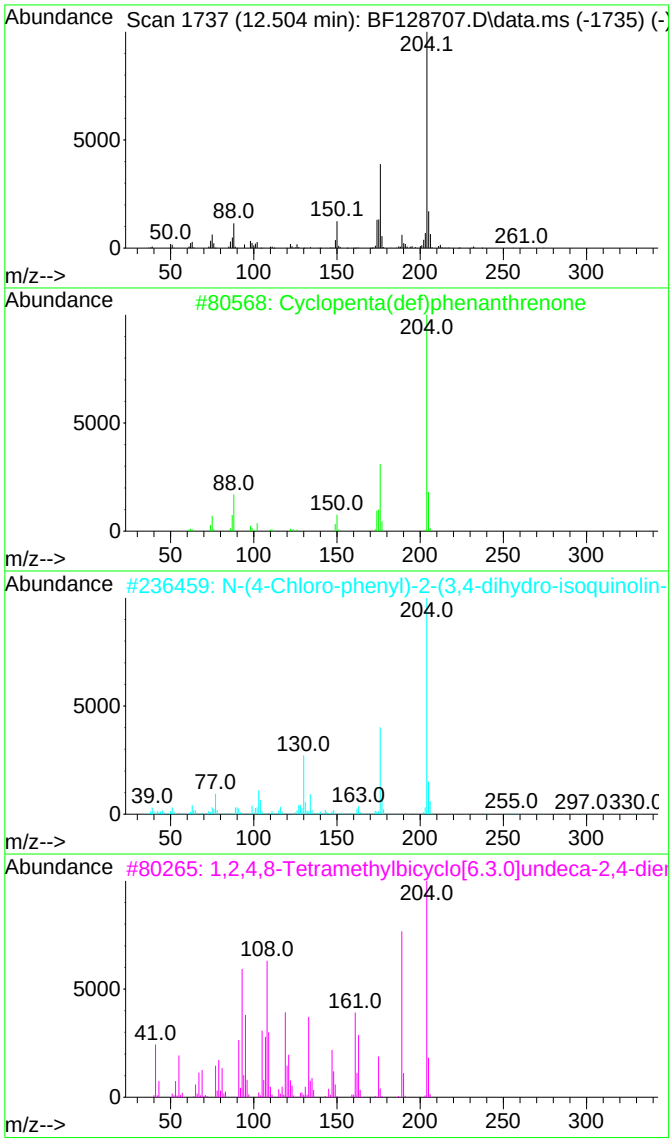
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

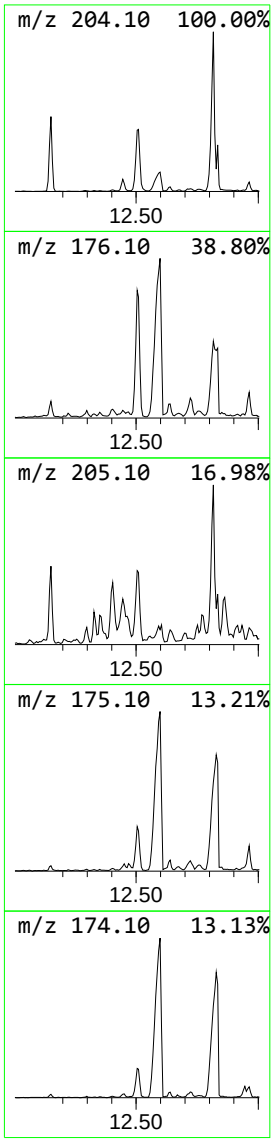
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	28.24 ng	653293	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	59
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
4	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	50
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	47





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Sample : N3197-03
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ALS Vial : 18 Sample Multiplier: 1

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

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

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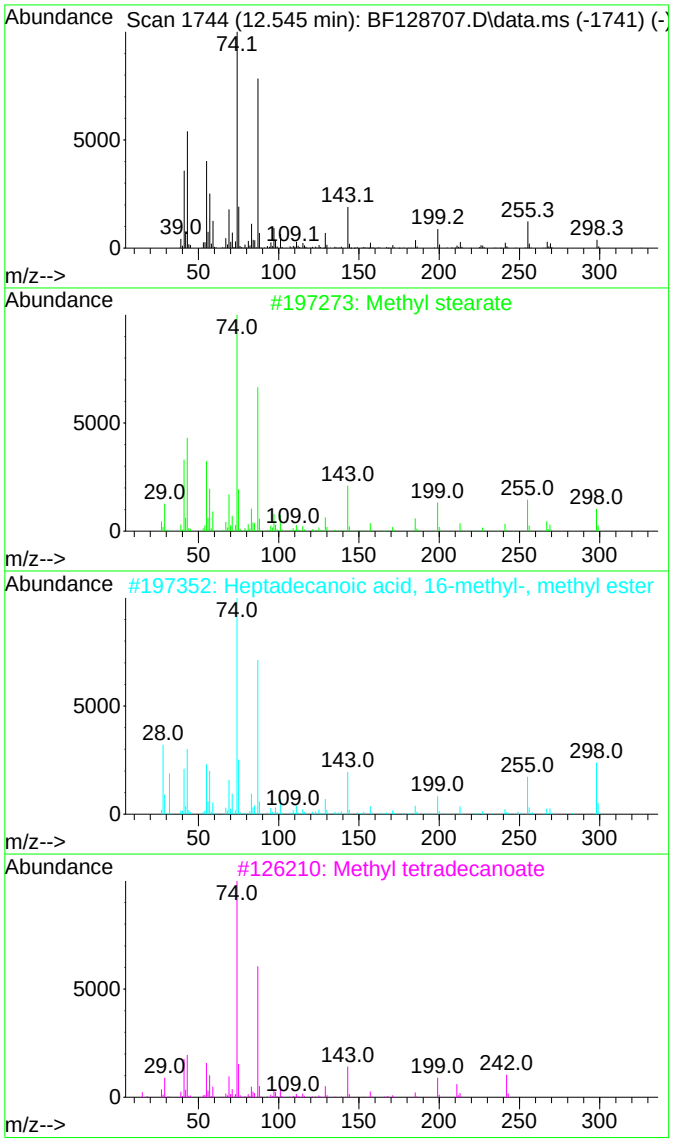
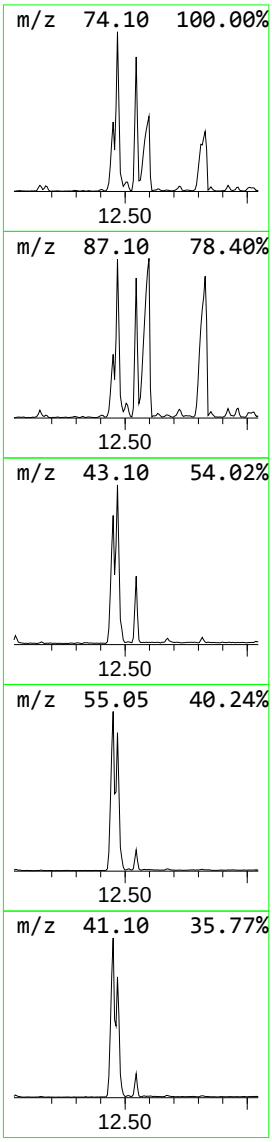
Peak Number 11 Methyl stearate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	30.09 ng	696053	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	91
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
5	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	87





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

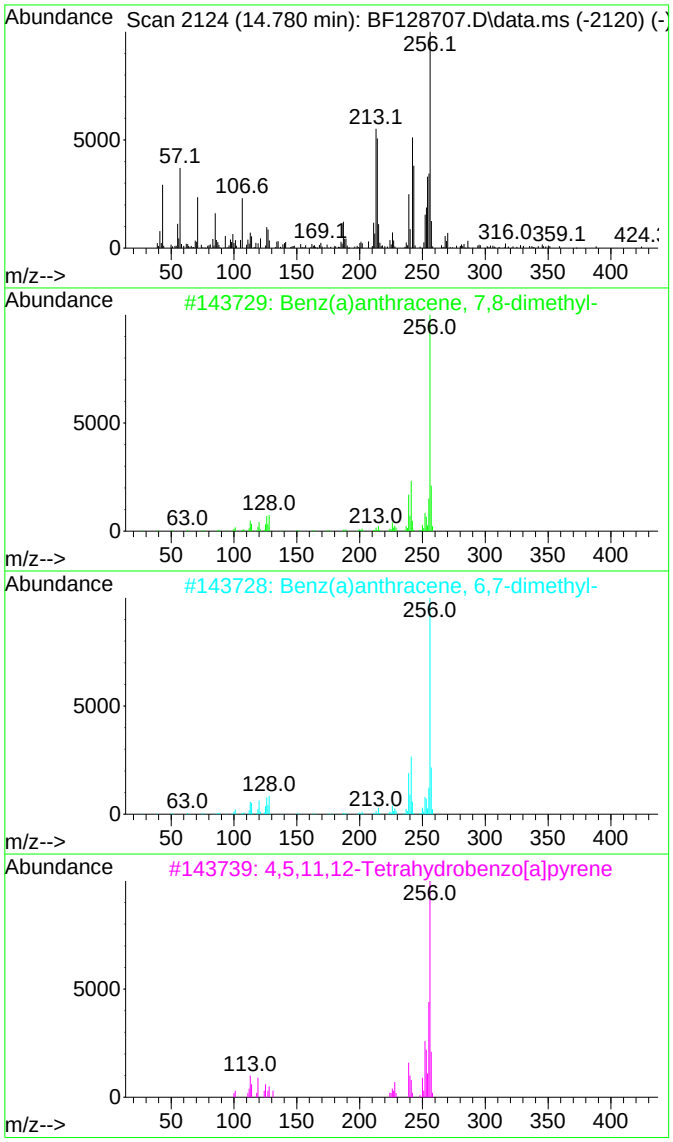
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

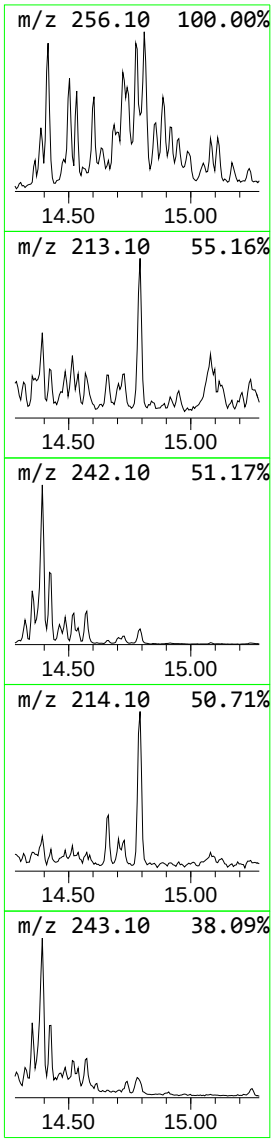
****

Peak Number 12 unknown14.780 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.780	25.94 ng	479909	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	25
2	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	25
3	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	22
4	4,5,6,7-Tetrafluorobenzo-2,1,3-s...	256	C6F4N2Se	019227-22-6	22
5	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	22





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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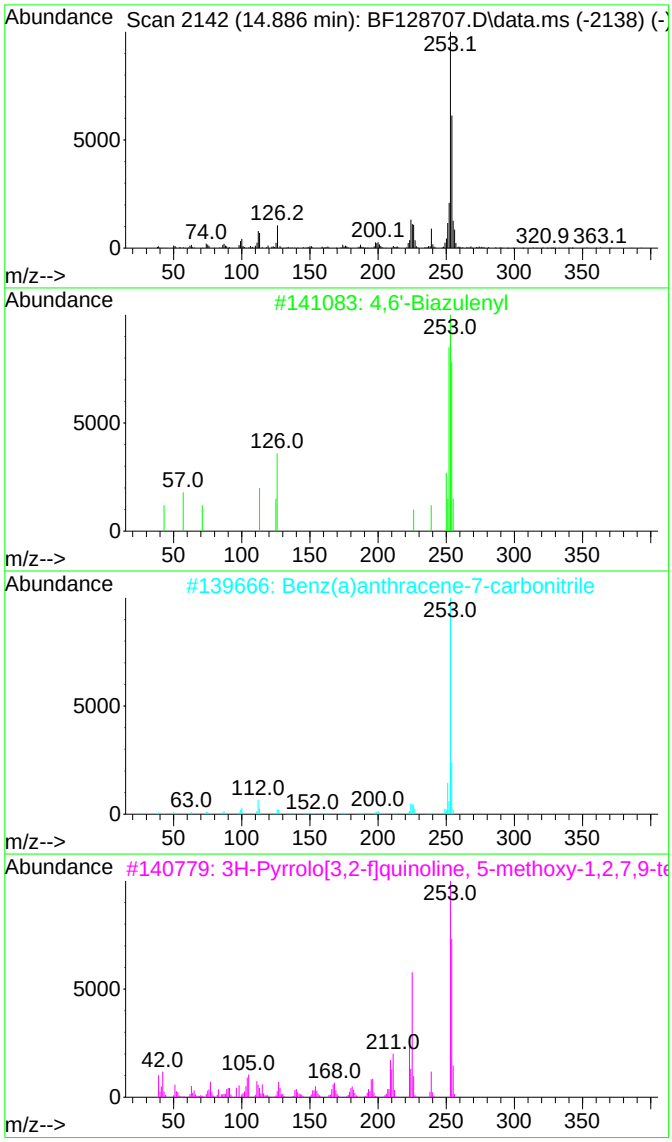
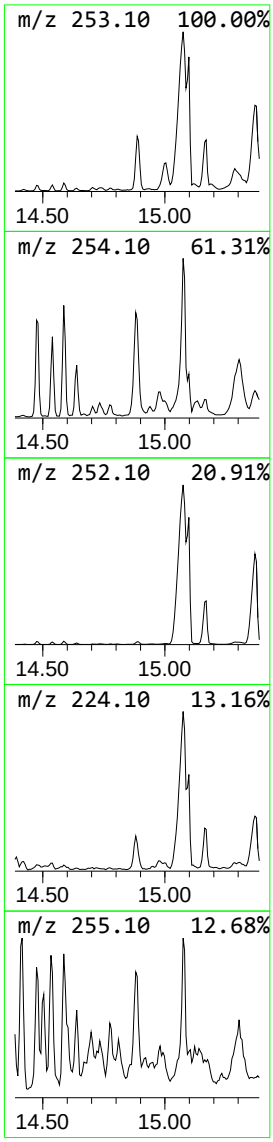
Peak Number 13 4,6'-Biazulenyl Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.886	30.32 ng	560847	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6'-Biazulenyl	254	C20H14	094154-49-1	64
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
3	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	58
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	58
5	2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	53





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ALS Vial : 18 Sample Multiplier: 1

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

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

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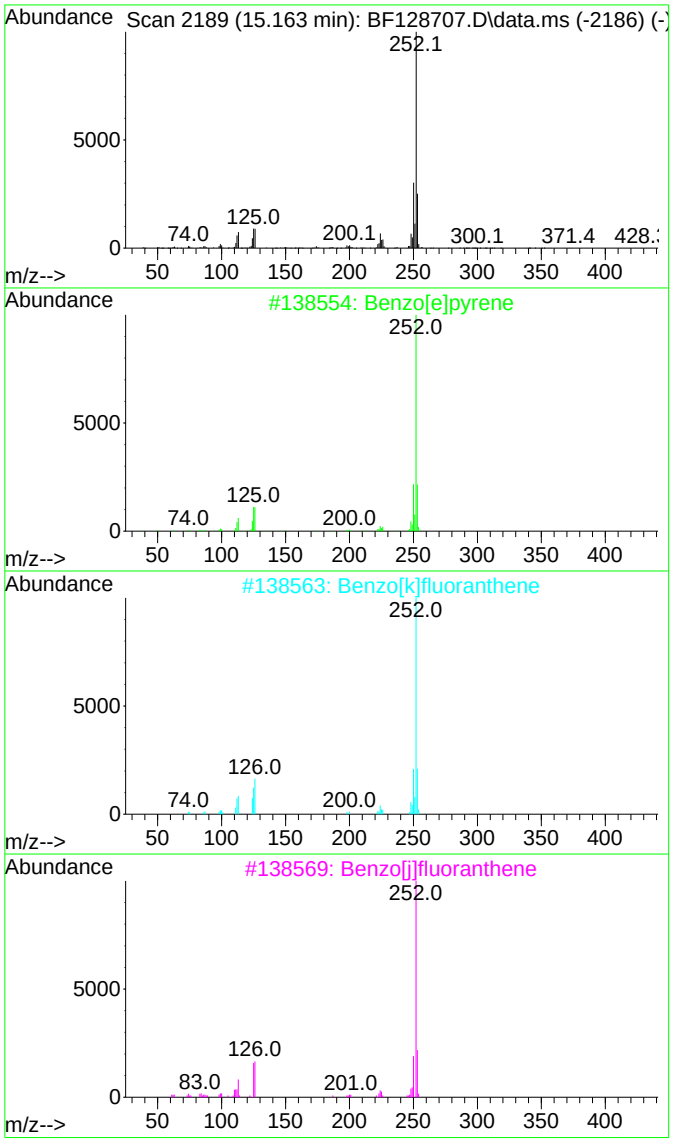
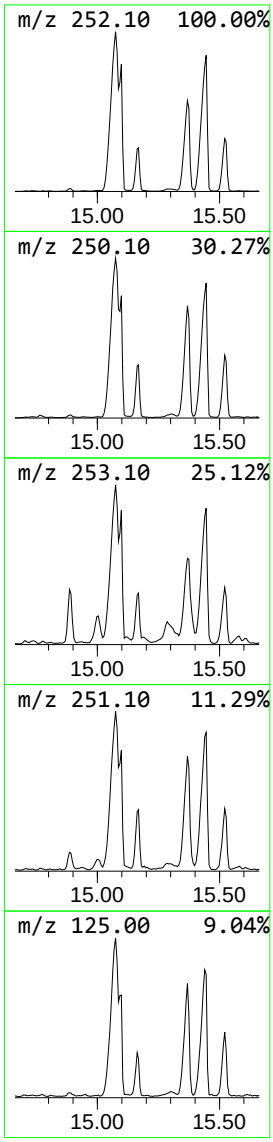
Peak Number 14 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.163	54.55 ng	1009020	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
5	Benzo[a]pyrene	252	C20H12	000050-32-8	87





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ALS Vial : 18 Sample Multiplier: 1

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

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

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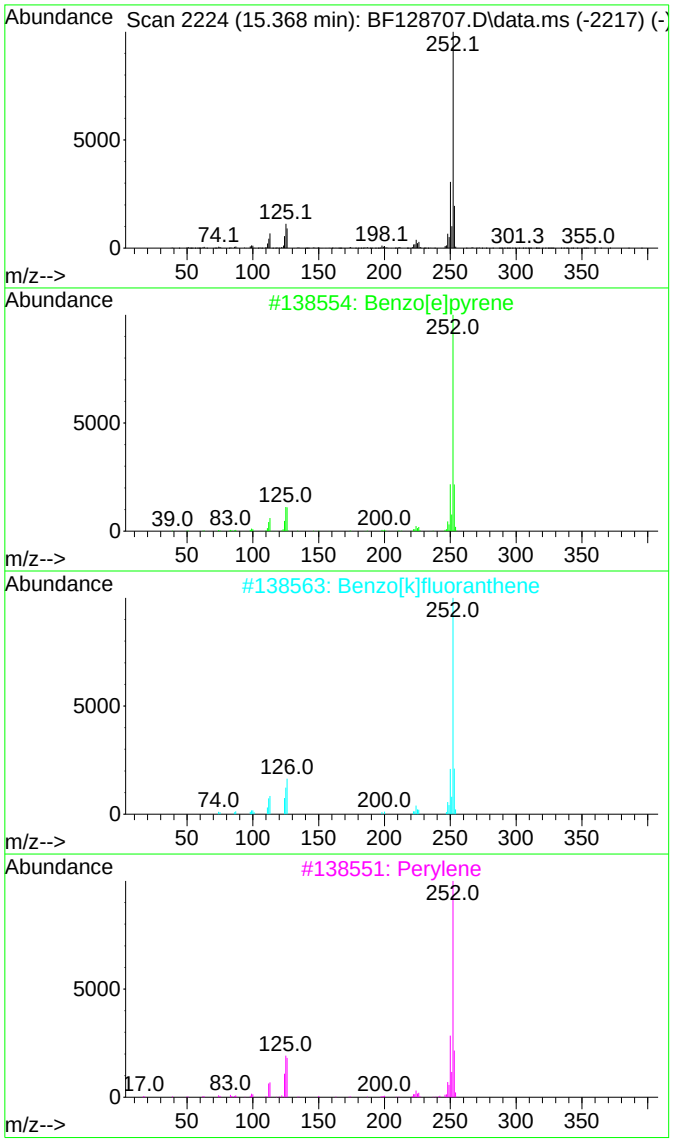
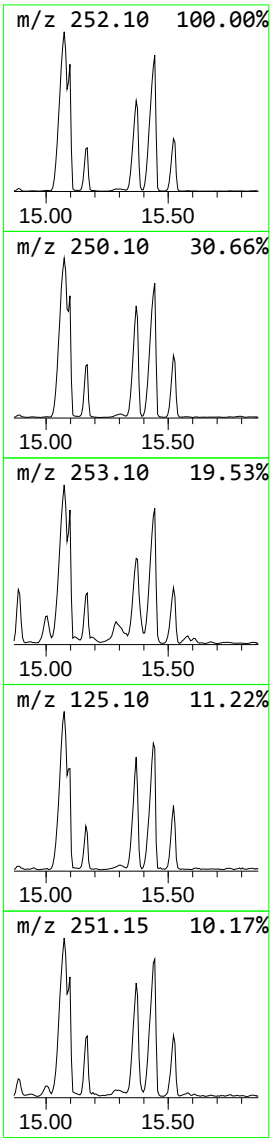
Peak Number 15 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.368	173.24 ng	3204550	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Perylene	252	C20H12	000198-55-0	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





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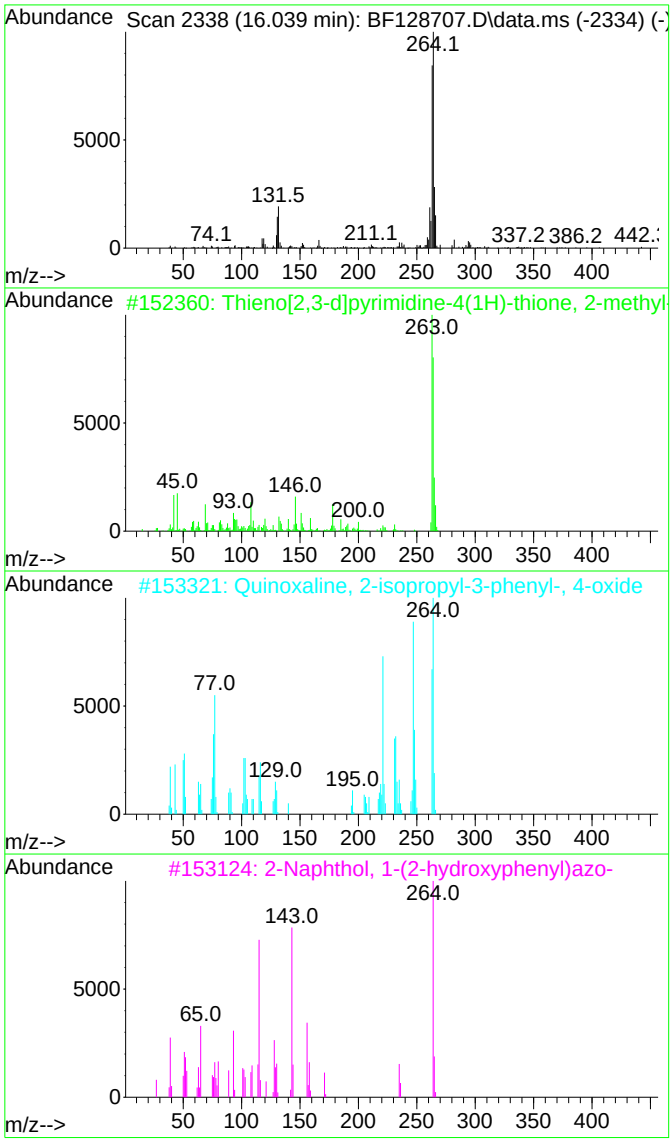
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

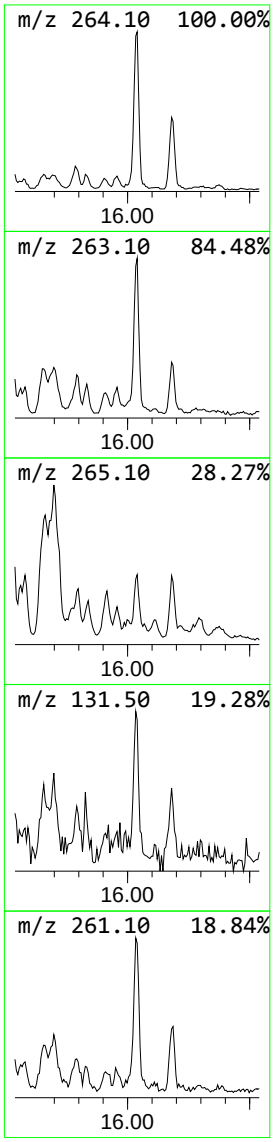
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Thieno[2,3-d]pyrimidine-4(1... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.039	19.99 ng	369813	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thieno[2,3-d]pyrimidine-4(1H)-th...	264	C11H8N2S3	732292-19-2	59
2	Quinoxaline, 2-isopropyl-3-pheny...	264	C17H16N2O	016007-79-7	58
3	2-Naphthol, 1-(2-hydroxyphenyl)azo-	264	C16H12N2O2	1010196-48-4	35
4	9-Octadecenoic acid (Z)-, octyl ...	394	C26H50O2	032953-65-4	27
5	Dibenz[b,f]azepine, 1,9-dichloro...	263	C14H11Cl2N	107517-53-3	25





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Acq On : 06 Jun 2022 20:27
Operator : CG\JU
Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.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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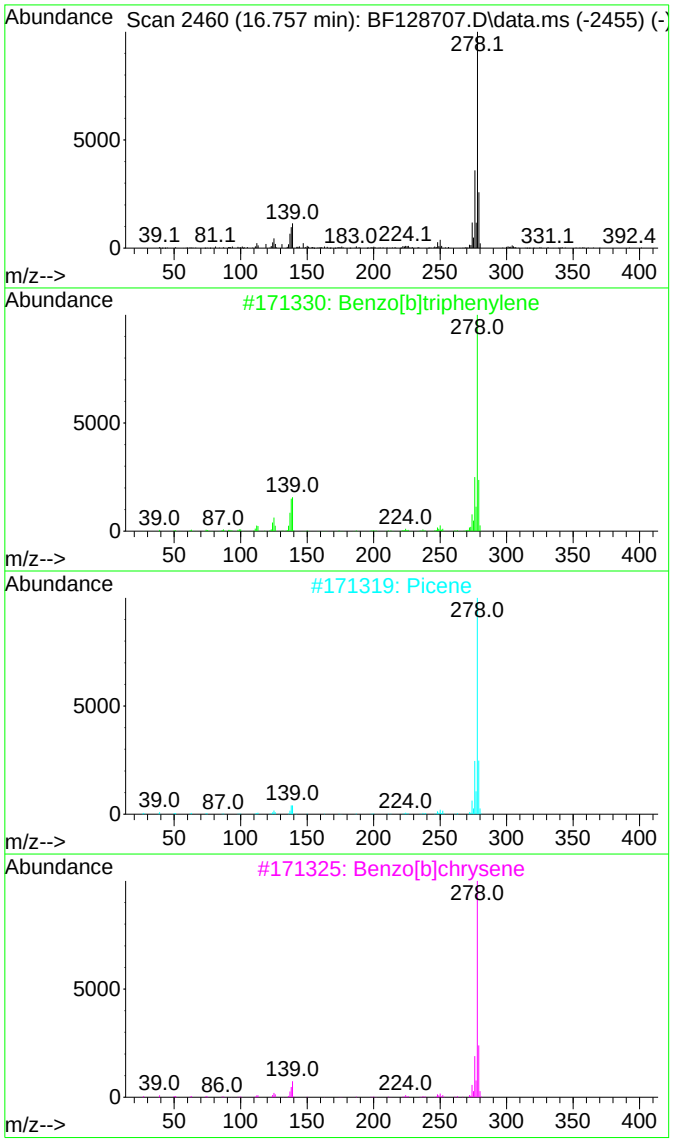
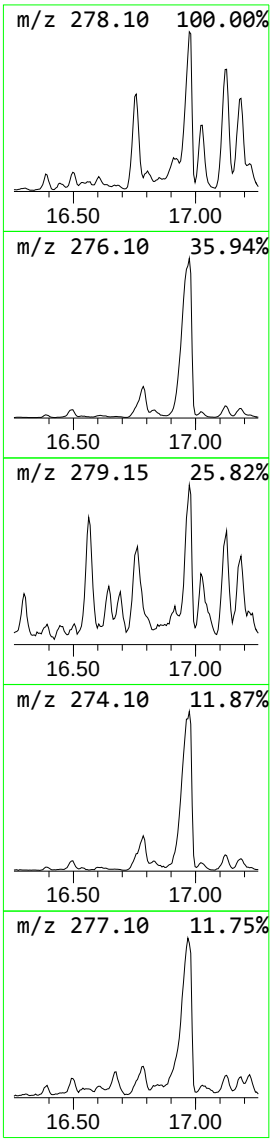
Peak Number 17 Benzo[b]triphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.757	17.51 ng	323942	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2	Picene	278	C22H14	000213-46-7	95
3	Benzo[b]chrysene	278	C22H14	000214-17-5	94
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
5	Pentaphene	278	C22H14	000222-93-5	90





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Acq On : 06 Jun 2022 20:27
Operator : CG\JU
Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.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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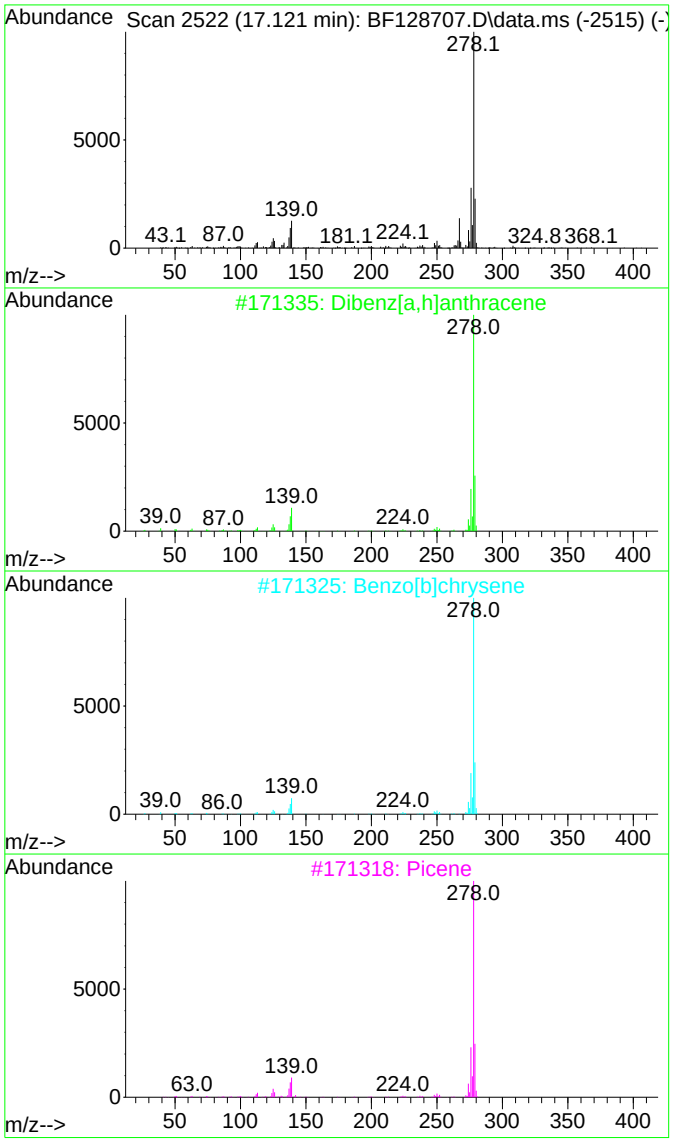
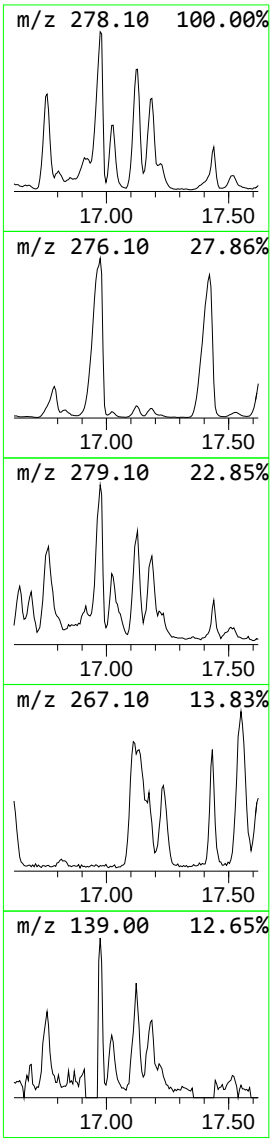
Peak Number 18 Picene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.121	38.66 ng	715124	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
2	Benzo[b]chrysene	278	C22H14	000214-17-5	97
3	Picene	278	C22H14	000213-46-7	97
4	Pentaphene	278	C22H14	000222-93-5	97
5	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	93





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Data File : BF128707.D
Acq On : 06 Jun 2022 20:27
Operator : CG\JU
Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.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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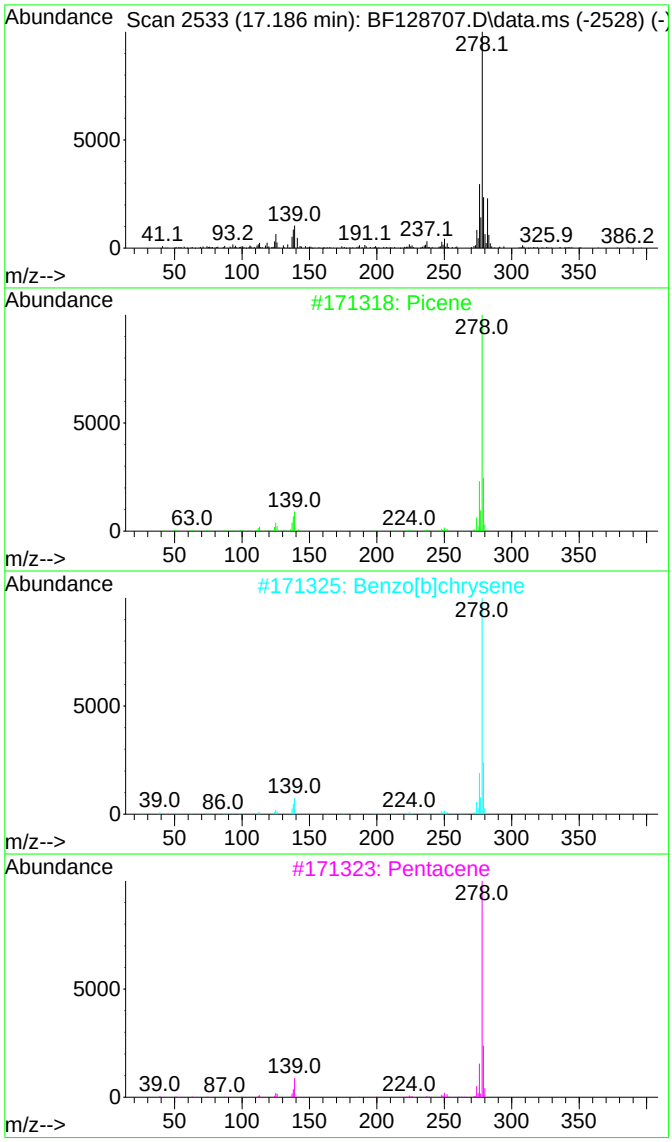
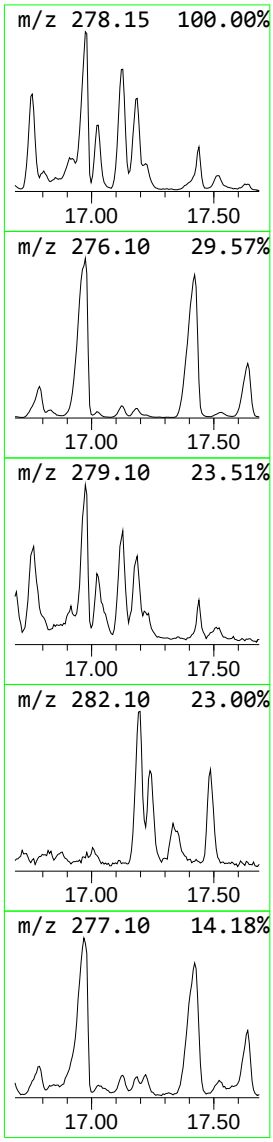
Peak Number 19 Pentacene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.186	18.77 ng	347118	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	95
2	Benzo[b]chrysene	278	C22H14	000214-17-5	93
3	Pentacene	278	C22H14	000135-48-8	93
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	92
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	86





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Data File : BF128707.D
Acq On : 06 Jun 2022 20:27
Operator : CG\JU
Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.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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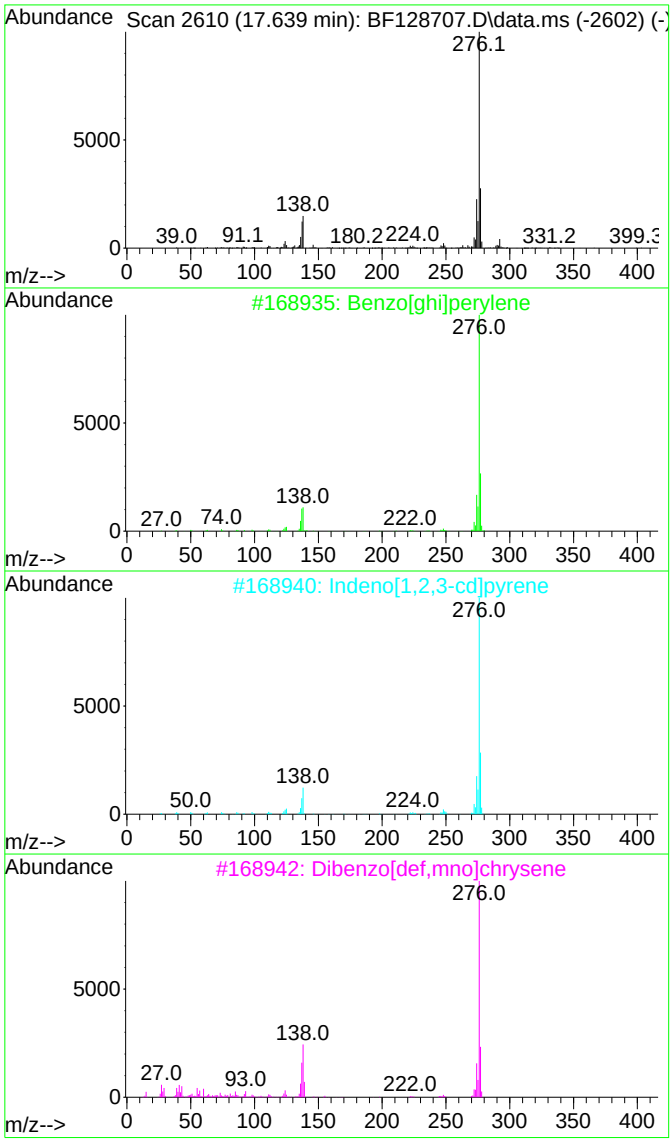
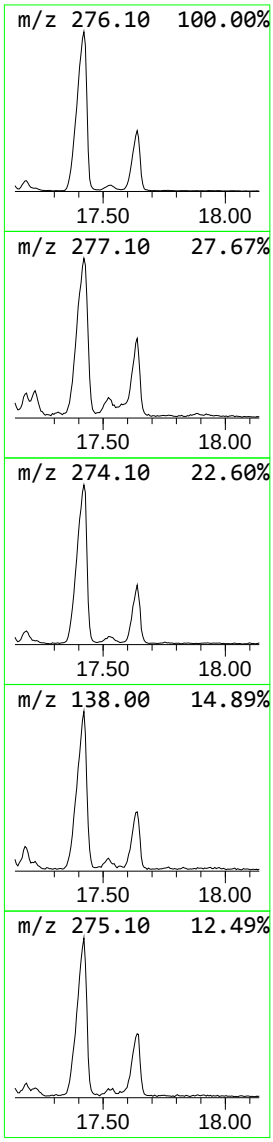
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.639	53.40 ng	987734	Perylene-d12	15.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	94
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	90
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
Data File : BF128707.D
Acq On : 06 Jun 2022 20:27
Operator : CG\JU
Sample : N3197-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-060322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexadecanoic ac...	11.745	57.3	ng	1326550	4	11.351	462687	20.0
Phenanthrene, 1...	11.851	20.7	ng	477897	4	11.351	462687	20.0
Phenanthrene, 2...	11.881	31.5	ng	729554	4	11.351	462687	20.0
Anthracene, 2-m...	11.928	19.2	ng	443397	4	11.351	462687	20.0
4H-Cyclopenta[d...	11.969	63.9	ng	1477680	4	11.351	462687	20.0
5,16[1',2']:8,1...	12.151	19.0	ng	440067	4	11.351	462687	20.0
Phenanthrene, 2...	12.404	19.9	ng	459250	4	11.351	462687	20.0
9,12-Octadecadi...	12.451	325.0	ng	7518770	4	11.351	462687	20.0
14-Octadecenoic...	12.469	135.0	ng	3122290	4	11.351	462687	20.0
Cyclopenta(def)...	12.504	28.2	ng	653293	4	11.351	462687	20.0
Methyl stearate	12.545	30.1	ng	696053	4	11.351	462687	20.0
unknown14.780	14.780	25.9	ng	479909	6	15.486	369946	20.0
4,6'-Biazulenyl	14.886	30.3	ng	560847	6	15.486	369946	20.0
Benzo[e]pyrene	15.163	54.5	ng	1009020	6	15.486	369946	20.0
Perylene	15.368	173.2	ng	3204550	6	15.486	369946	20.0
Thieno[2,3-d]py...	16.039	20.0	ng	369813	6	15.486	369946	20.0
Benzo[b]triphen...	16.757	17.5	ng	323942	6	15.486	369946	20.0
Picene	17.121	38.7	ng	715124	6	15.486	369946	20.0
Pentacene	17.186	18.8	ng	347118	6	15.486	369946	20.0
Dibenzo[def,mno...	17.639	53.4	ng	987734	6	15.486	369946	20.0