LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
Data File : BF129656.D
Acq On : 09 Aug 2022 04:56
Operator : CG\JU
Sample : N4088-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-080522

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-BF072522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF129656.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	538	542	555	rBV	3000310	2949126	48.19%	3.834%
2	6.492	711	715	718	rBV	3229837	2798416	45.72%	3.638%
3	6.840	771	774	778	rBV	1160356	875947	14.31%	1.139%
4	7.404	866	870	873	rBV	1906657	1766144	28.86%	2.296%
5	8.122	989	992	995	rBV	1346734	1051152	17.17%	1.366%
6	9.198	1171	1175	1178	rVB	3715915	2897785	47.35%	3.767%
7	9.463	1216	1220	1223	rBV2	75615	88947	1.45%	0.116%
8	9.533	1229	1232	1235	rBV	76114	79975	1.31%	0.104%
9	9.739	1261	1267	1272	rBV	199327	205121	3.35%	0.267%
10	9.880	1288	1291	1294	rBV	1190031	931942	15.23%	1.212%
11	9.910	1294	1296	1300	rVB	294575	224474	3.67%	0.292%
12	10.080	1322	1325	1329	rVB2	176583	162446	2.65%	0.211%
13	10.192	1341	1344	1347	rBV2	77471	88498	1.45%	0.115%
14	10.298	1355	1362	1365	rBV3	58232	116250	1.90%	0.151%
15	10.428	1381	1384	1390	rVB	345759	301780	4.93%	0.392%
16	10.586	1408	1411	1414	rVB	92416	91053	1.49%	0.118%
17	10.675	1422	1426	1429	rBV	1871293	1575843	25.75%	2.049%
18	10.775	1440	1443	1452	rVB4	124042	263597	4.31%	0.343%
19	10.975	1473	1477	1480	rBV3	94476	110728	1.81%	0.144%
20	11.104	1494	1499	1501	rBV3	84636	126815	2.07%	0.165%
21	11.127	1501	1503	1508	rVV2	103939	126412	2.07%	0.164%
22	11.175	1508	1511	1515	rVV	252366	230726	3.77%	0.300%
23	11.216	1515	1518	1521	rVV	160821	178212	2.91%	0.232%
24	11.269	1525	1527	1531	rVB	201198	166944	2.73%	0.217%
25	11.369	1541	1544	1546	rBV	904147	881391	14.40%	1.146%
26	11.398	1546	1549	1552	rVV	3455780	2841713	46.43%	3.694%
27	11.445	1552	1557	1560	rVV	1086900	933455	15.25%	1.213%
28	11.480	1560	1563	1566	rVB2	92219	106992	1.75%	0.139%
29	11.604	1579	1584	1588	rBV2	346472	392974	6.42%	0.511%
30	11.645	1589	1591	1593	rVV	128216	117780	1.92%	0.153%
31	11.663	1593	1594	1598	rVV2	139600	120521	1.97%	0.157%
32	11.704	1598	1601	1605	rVV2	149282	153038	2.50%	0.199%
33	11.751	1605	1609	1612	rVV	926795	740266	12.10%	0.962%
34	11.874	1626	1630	1632	rBV	581449	542169	8.86%	0.705%
35	11.898	1632	1634	1638	rVV	929566	912330	14.91%	1.186%
36	11.951	1640	1643	1646	rVV	286350	274608	4.49%	0.357%

LSC Area Percent Report

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Operator : CG\JU
Sample : N4088-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-080522

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-BF072522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.986	1646	1649	1651	rVV	991404	1002239	16.38%	1.303%
38	12.010	1651	1653	1657	rVB	425780	340978	5.57%	0.443%
39	12.057	1658	1661	1663	rBV	172478	163820	2.68%	0.213%
40	12.104	1667	1669	1672	rBV3	85128	78637	1.28%	0.102%
41	12.169	1677	1680	1682	rVV	451810	388065	6.34%	0.504%
42	12.198	1682	1685	1689	rVB	430435	366352	5.99%	0.476%
43	12.316	1700	1705	1708	rBV2	175673	232893	3.81%	0.303%
44	12.351	1708	1711	1713	rVV	174754	160555	2.62%	0.209%
45	12.374	1713	1715	1718	rVB	134309	106242	1.74%	0.138%
46	12.439	1720	1726	1728	rBV2	2766703	2939701	48.03%	3.822%
47	12.463	1728	1730	1732	rVV	3174700	2536447	41.44%	3.297%
48	12.516	1736	1739	1742	rBV2	505864	569668	9.31%	0.741%
49	12.545	1742	1744	1748	rVB	586673	444991	7.27%	0.578%
50	12.598	1748	1753	1756	rBV	5711451	5989270	97.86%	7.786%
51	12.633	1756	1759	1760	rVV	138996	133469	2.18%	0.174%
52	12.651	1760	1762	1765	rVB	168152	143860	2.35%	0.187%
53	12.686	1765	1768	1770	rVB3	125947	117190	1.91%	0.152%
54	12.739	1772	1777	1780	rBV3	221527	301991	4.93%	0.393%
55	12.827	1785	1792	1796	rVB2	4743076	6120395	100.00%	7.957%
56	12.869	1796	1799	1803	rVB2	337708	343862	5.62%	0.447%
57	12.957	1807	1814	1817	rBV2	2968660	3131773	51.17%	4.071%
58	12.980	1817	1818	1822	rVB	284199	202062	3.30%	0.263%
59	13.039	1823	1828	1831	rBV2	453888	772751	12.63%	1.005%
60	13.127	1839	1843	1844	rBV2	402840	458926	7.50%	0.597%
61	13.151	1844	1847	1849	rVB	841982	792419	12.95%	1.030%
62	13.174	1849	1851	1853	rBV2	100807	83711	1.37%	0.109%
63	13.216	1855	1858	1860	rVB	535556	420578	6.87%	0.547%
64	13.251	1860	1864	1867	rBV2	605711	775294	12.67%	1.008%
65	13.310	1872	1874	1876	rVB	127259	102456	1.67%	0.133%
66	13.345	1877	1880	1883	rBV	357832	337091	5.51%	0.438%
67	13.380	1883	1886	1892	rVB2	387537	462072	7.55%	0.601%
68	13.521	1907	1910	1912	rBV4	116054	155226	2.54%	0.202%
69	13.663	1931	1934	1937	rVB	563917	556231	9.09%	0.723%
70	13.768	1949	1952	1955	rBV	528535	545911	8.92%	0.710%
71	13.798	1955	1957	1959	rVV	506486	397356	6.49%	0.517%
72	13.821	1959	1961	1966	rVV2	389576	631573	10.32%	0.821%
73	13.868	1966	1969	1973	rVB	625426	657511	10.74%	0.855%
74	13.939	1979	1981	1987	rVB2	161733	178192	2.91%	0.232%
75	14.016	1990	1994	1998	rVV2	2752354	3997813	65.32%	5.197%
76	14.057	1998	2001	2007	rVB	2336647	2347490	38.36%	3.052%

LSC Area Percent Report

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Operator : CG\JU
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Instrument :
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ClientSampleId :
PL-02-080522

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

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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.133	2011	2014	2016	rBV	368134	297795	4.87%	0.387%
78	14.168	2018	2020	2023	rBV3	162557	152420	2.49%	0.198%
79	14.251	2030	2034	2037	rBV2	202977	274778	4.49%	0.357%
80	14.374	2052	2055	2057	rBV2	182165	205450	3.36%	0.267%
81	14.410	2059	2061	2064	rVB	517928	410421	6.71%	0.534%
82	14.445	2064	2067	2069	rBV	188572	179925	2.94%	0.234%
83	14.533	2080	2082	2084	rBV2	196511	164476	2.69%	0.214%
84	14.557	2084	2086	2089	rVB2	250746	212179	3.47%	0.276%
85	14.904	2142	2145	2152	rVB2	261517	434260	7.10%	0.565%
86	15.074	2169	2174	2177	rBV	1729124	2703206	44.17%	3.514%
87	15.180	2189	2192	2197	rVB	401891	447073	7.30%	0.581%
88	15.380	2222	2226	2231	rVB	1000847	1244797	20.34%	1.618%
89	15.445	2232	2237	2241	rVV	1547485	1907520	31.17%	2.480%
90	15.504	2244	2247	2250	rVV	467289	613765	10.03%	0.798%
91	15.533	2250	2252	2259	rVB2	427450	602187	9.84%	0.783%
92	16.998	2496	2501	2510	rVB	623320	1260154	20.59%	1.638%
93	17.451	2574	2578	2590	rVB	449376	900062	14.71%	1.170%

Sum of corrected areas: 76923099

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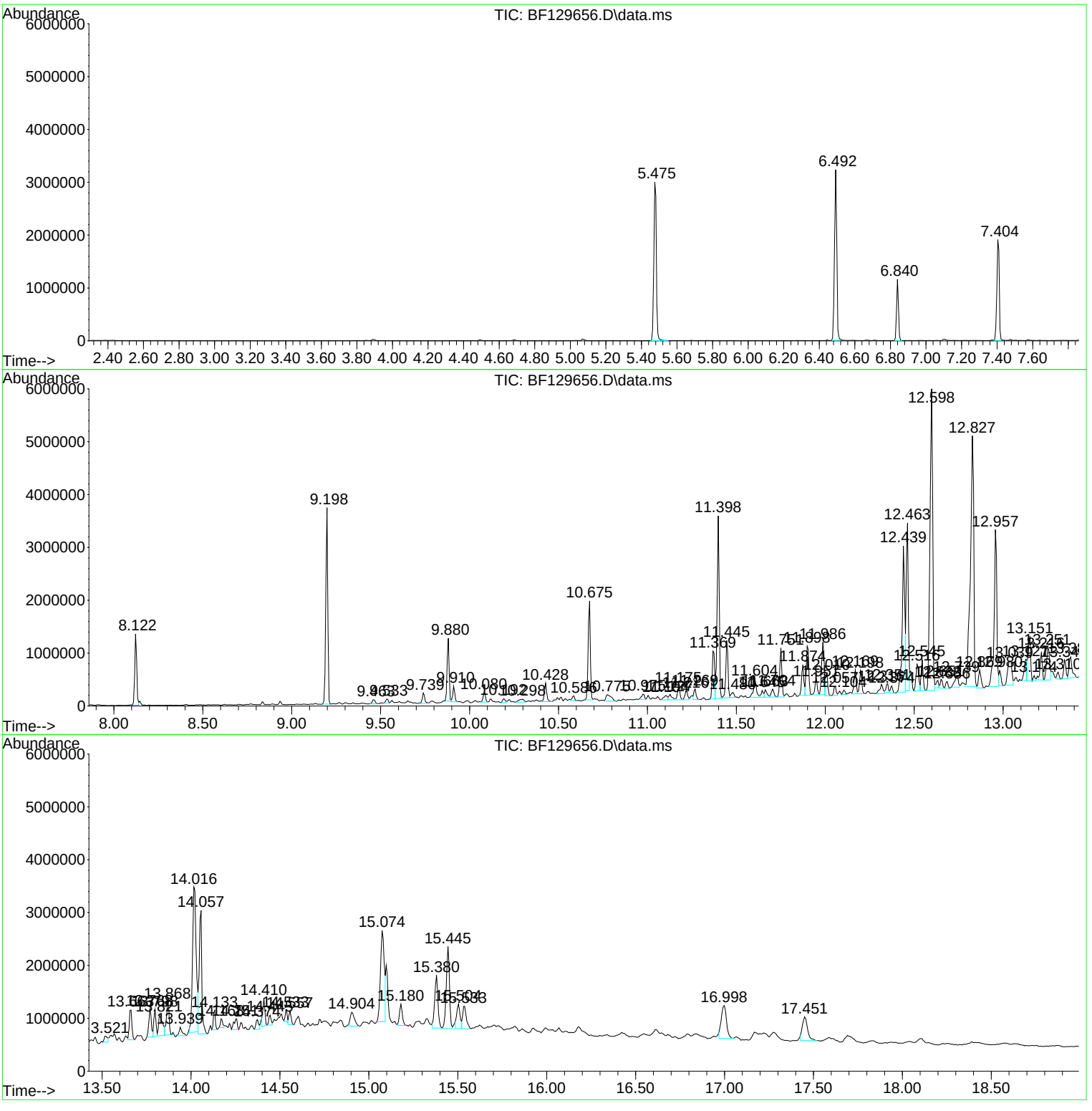
Instrument :
BNA_F
ClientSampleId :
PL-02-080522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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\BF080822\
Data File : BF129656.D
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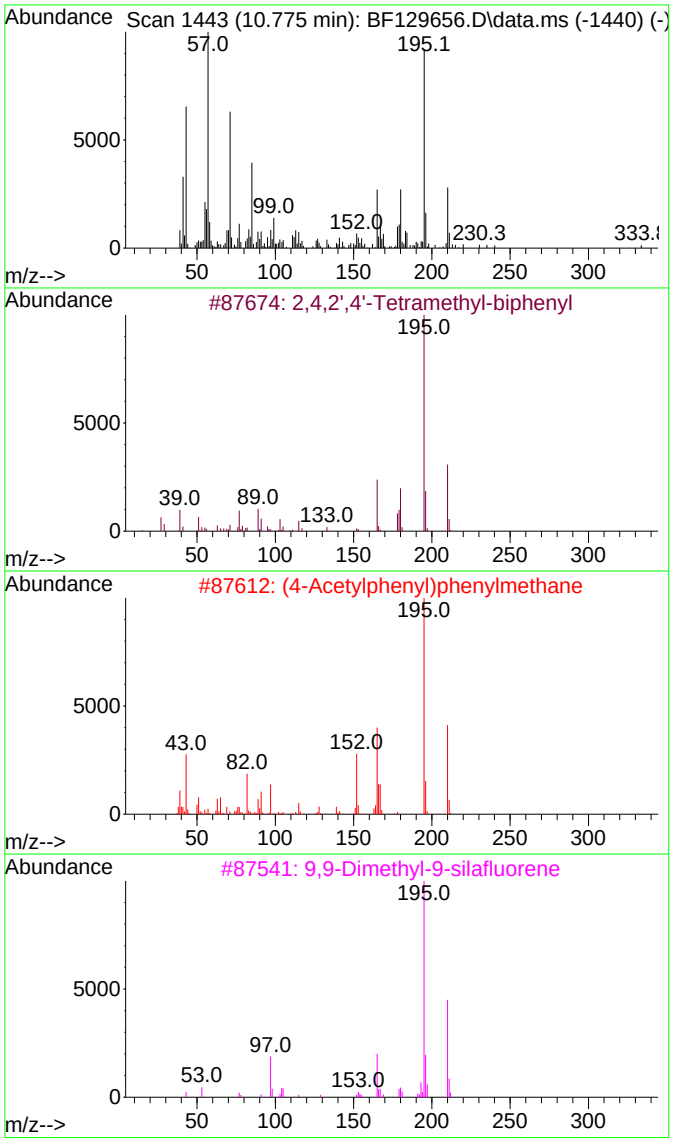
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

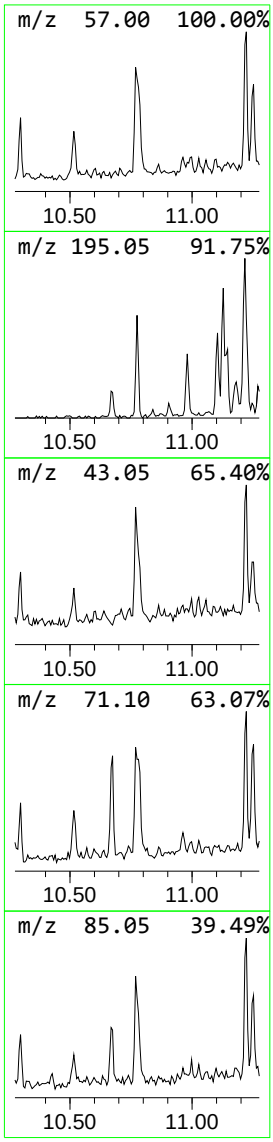
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2,4,2',4'-Tetramethyl-biphenyl Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.775	5.98 ng	263597	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,2',4'-Tetramethyl-biphenyl	210	C16H18	1000486-97-7	55
2	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	50
3	9,9-Dimethyl-9-silafluorene	210	C14H14Si	013688-68-1	49
4	Carbazole, 3,5-dimethyl-	195	C14H13N	078787-81-2	43
5	Benzenamine, 3-(2-phenylethenyl)...	195	C14H13N	014064-82-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
Data File : BF129656.D
Acq On : 09 Aug 2022 04:56
Operator : CG\JU
Sample : N4088-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-080522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

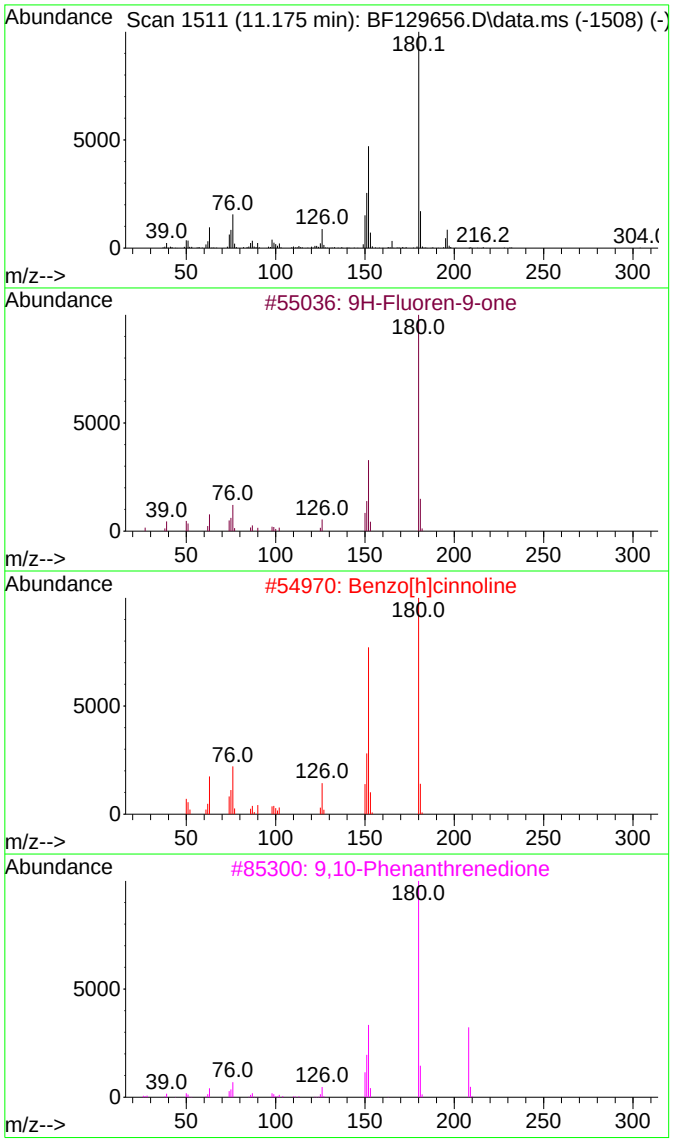
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

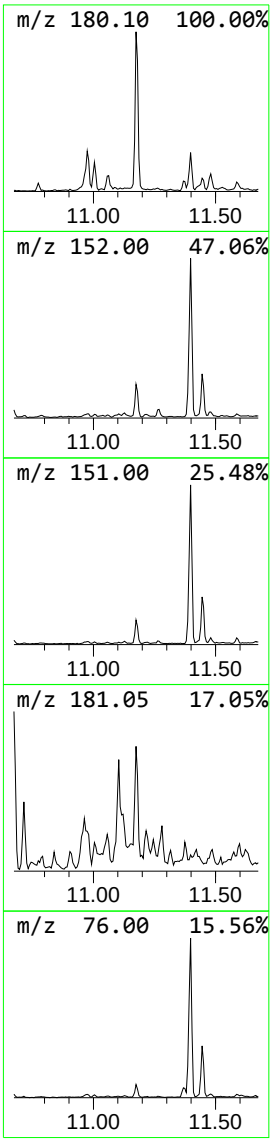
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.175	5.24 ng	230726	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4	Diphenic anhydride	224	C14H8O3	006050-13-1	62
5	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	50





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

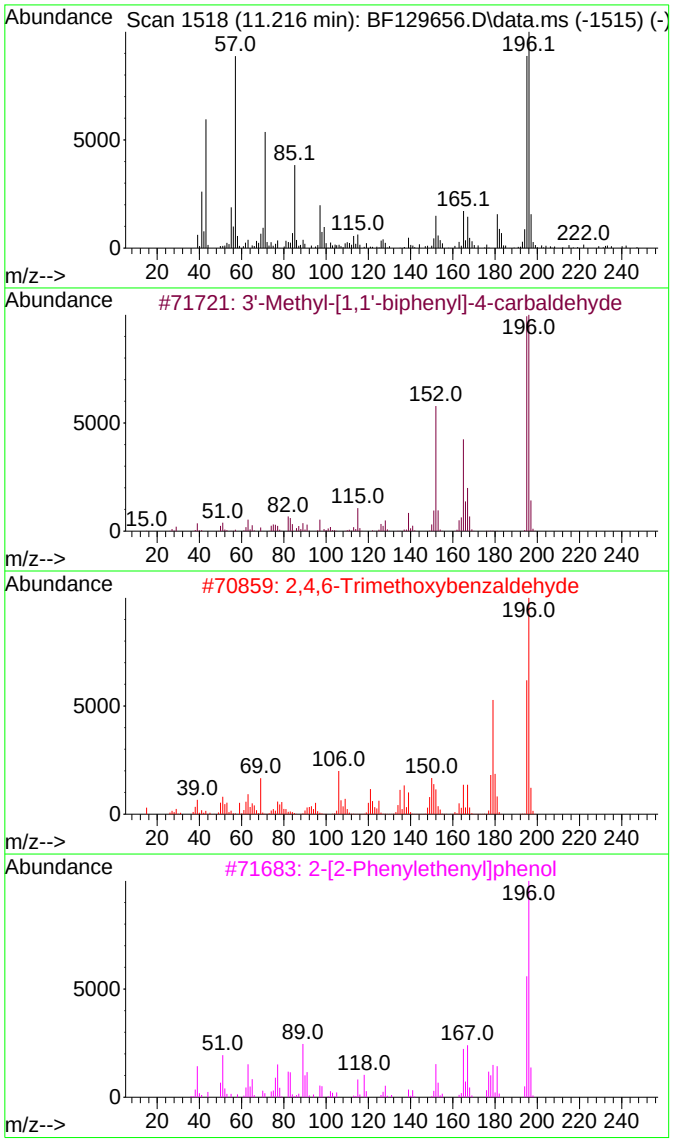
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

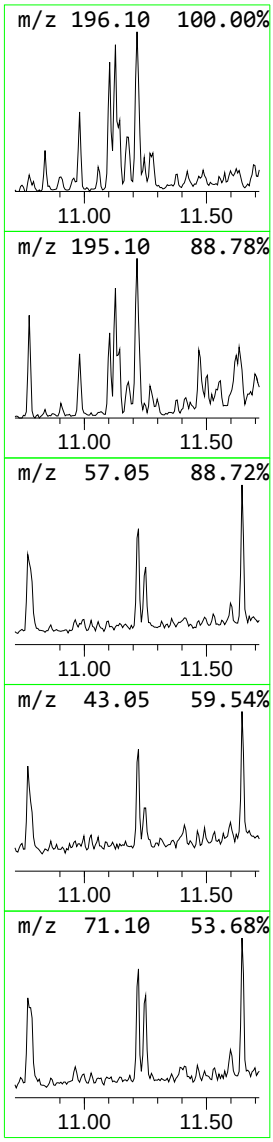
****

Peak Number 3 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.216	4.04 ng	178212	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	60
2	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	58
3	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	55
4	Tetradecane	198	C14H30	000629-59-4	53
5	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	53





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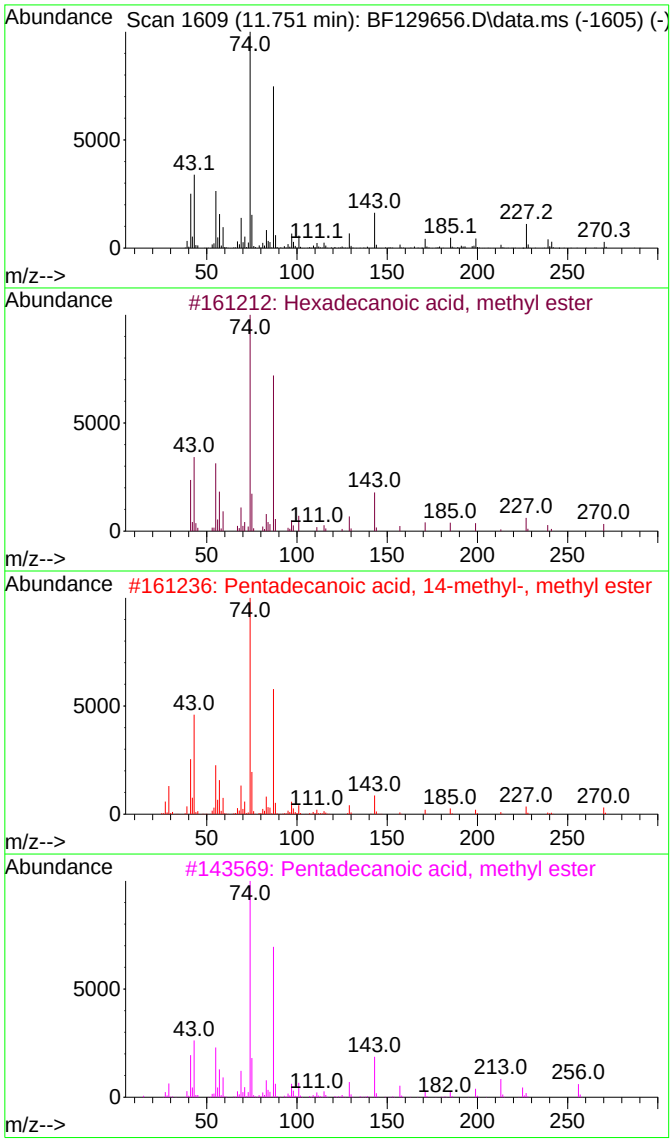
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

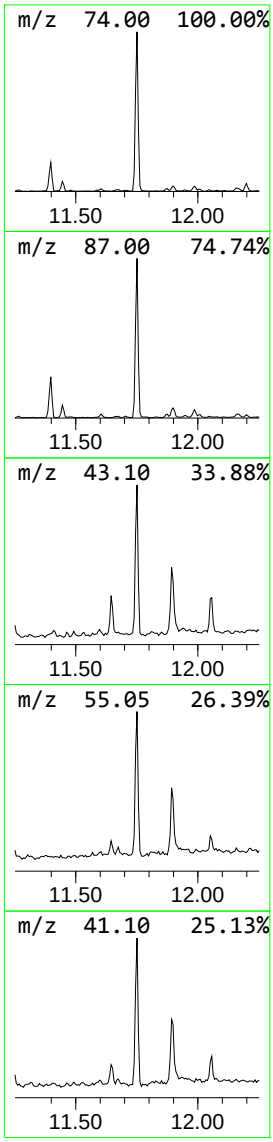
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.751	16.80 ng	740266	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	97
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80
5	Methyl 11-methyl-dodecanoate	228	C14H28O2	1000336-45-1	80





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Data File : BF129656.D
Acq On : 09 Aug 2022 04:56
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Sample : N4088-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-080522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

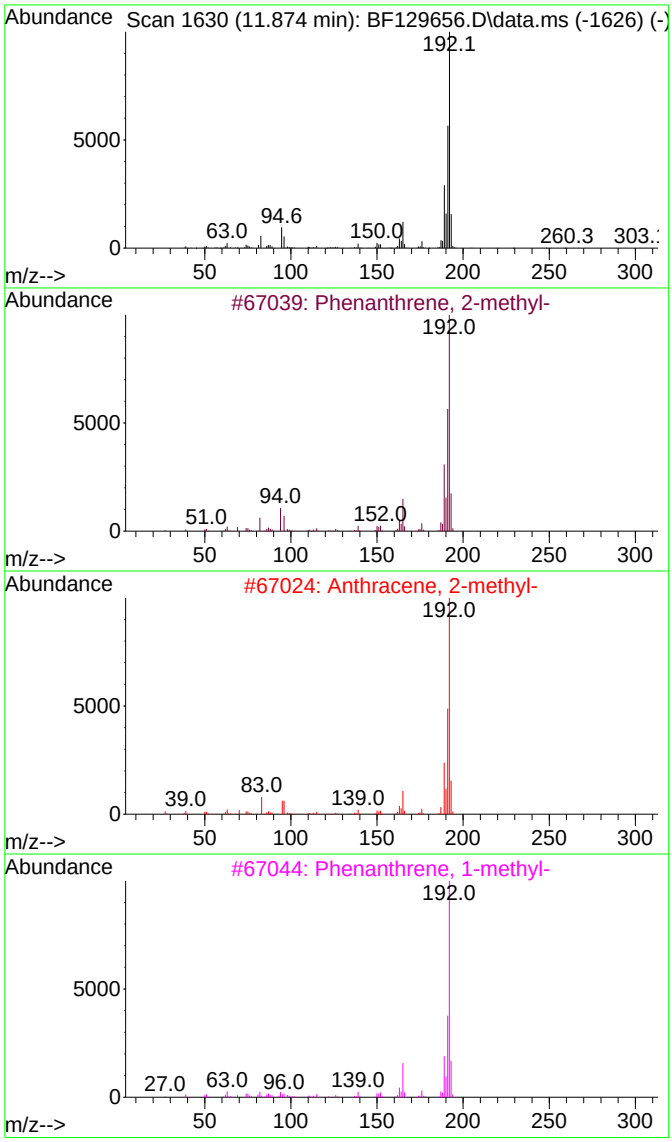
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

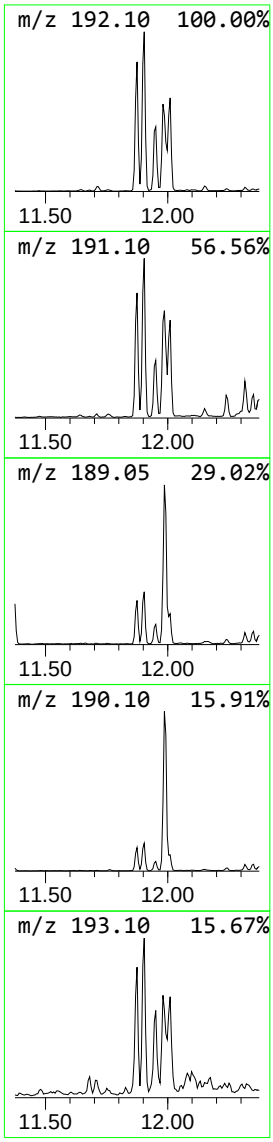
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	12.30 ng	542169	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Data File : BF129656.D
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Operator : CG\JU
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-02-080522

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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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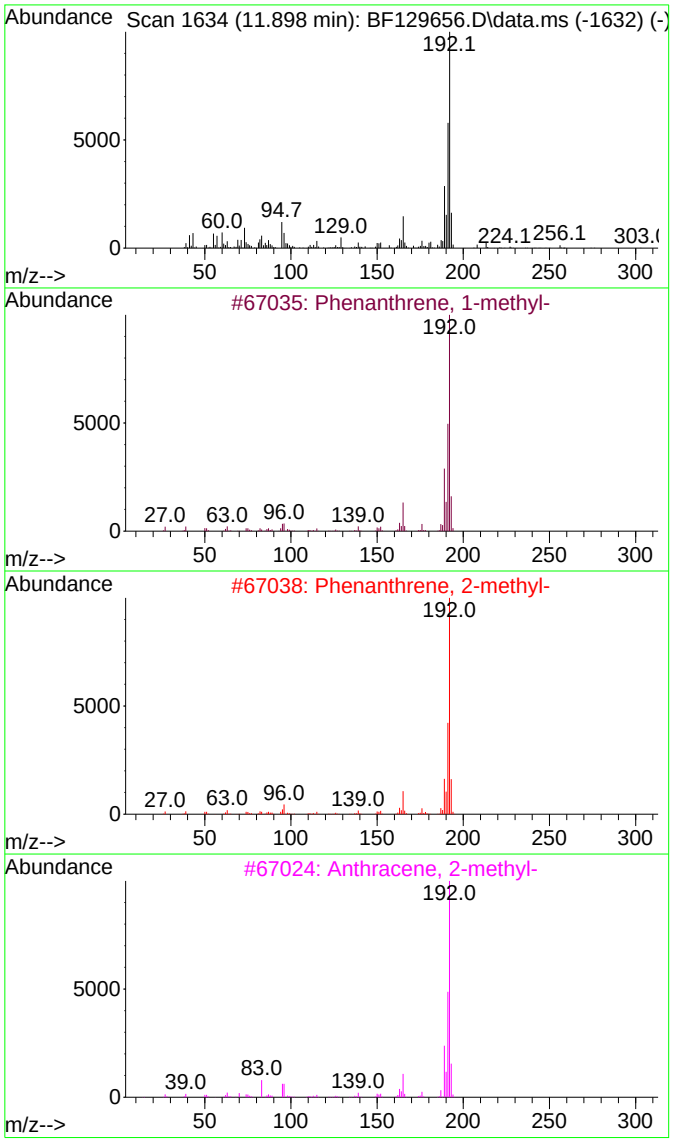
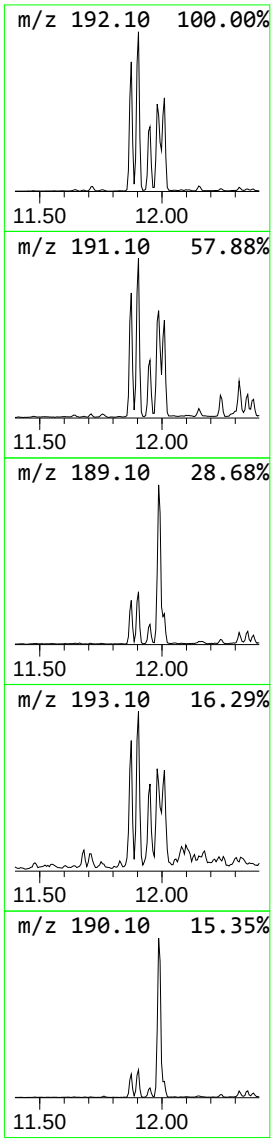
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	20.70 ng	912330	Phenanthrene-d10	11.369

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Sample : N4088-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

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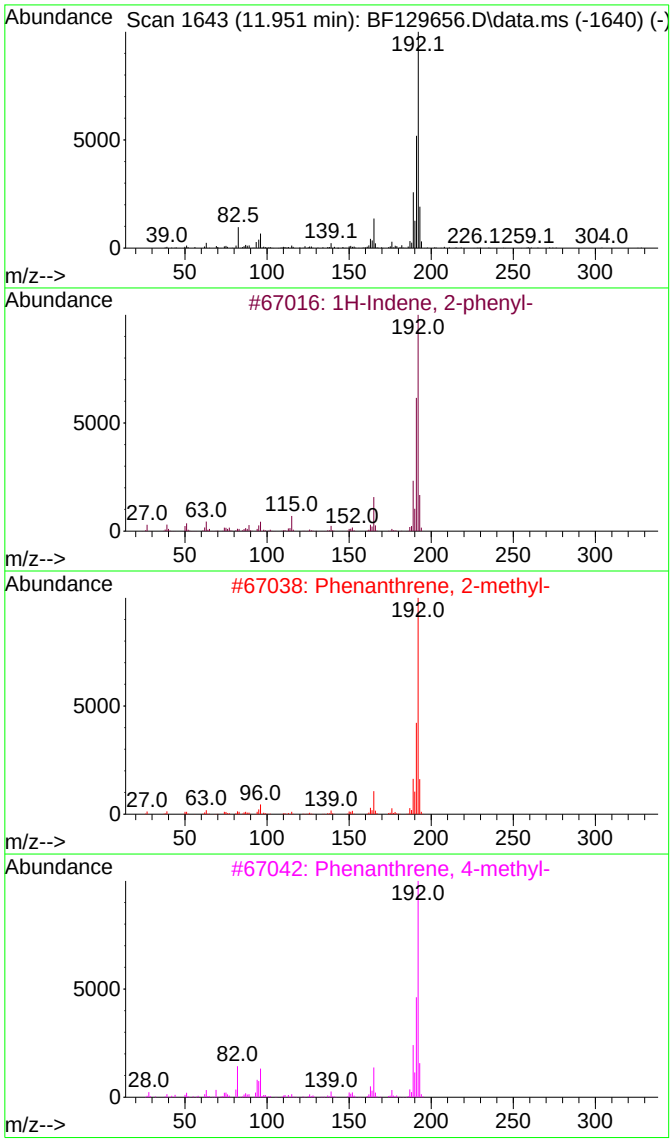
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

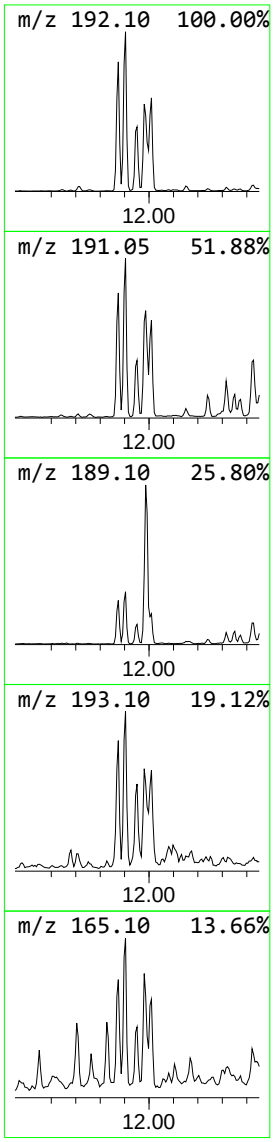
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	6.23 ng	274608	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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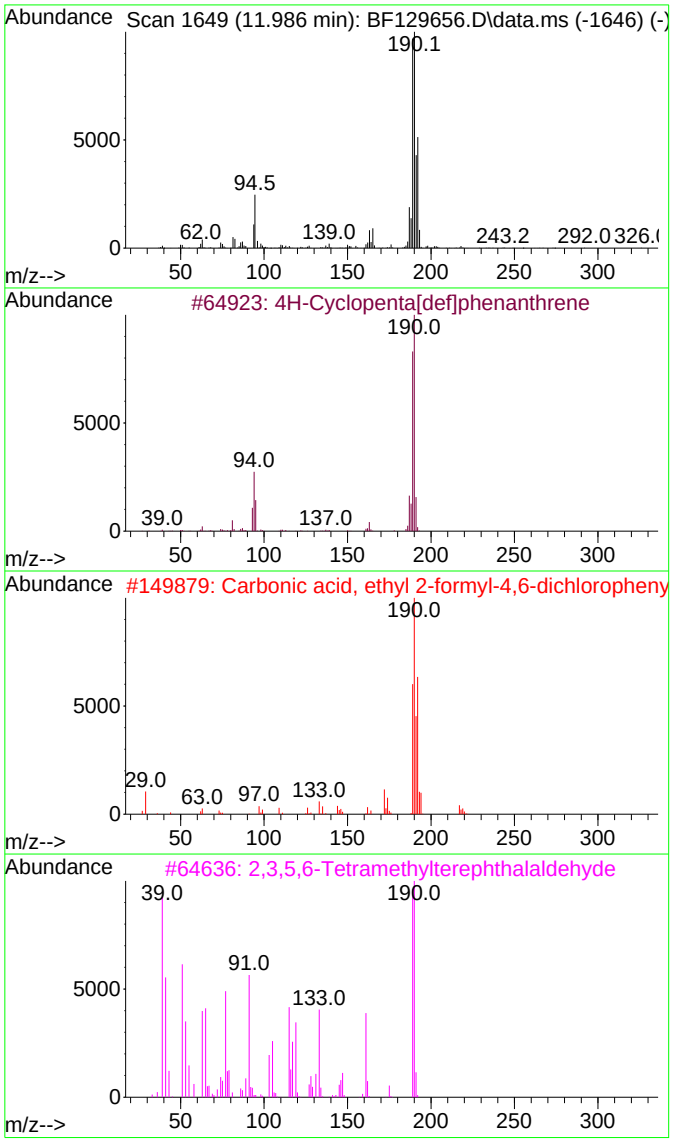
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

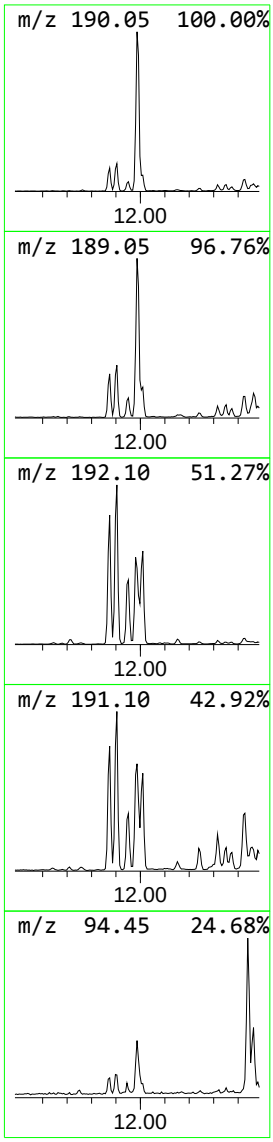
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	22.74 ng	1002240	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Methyl diselenide	190	C2H6Se2	007101-31-7	41
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22





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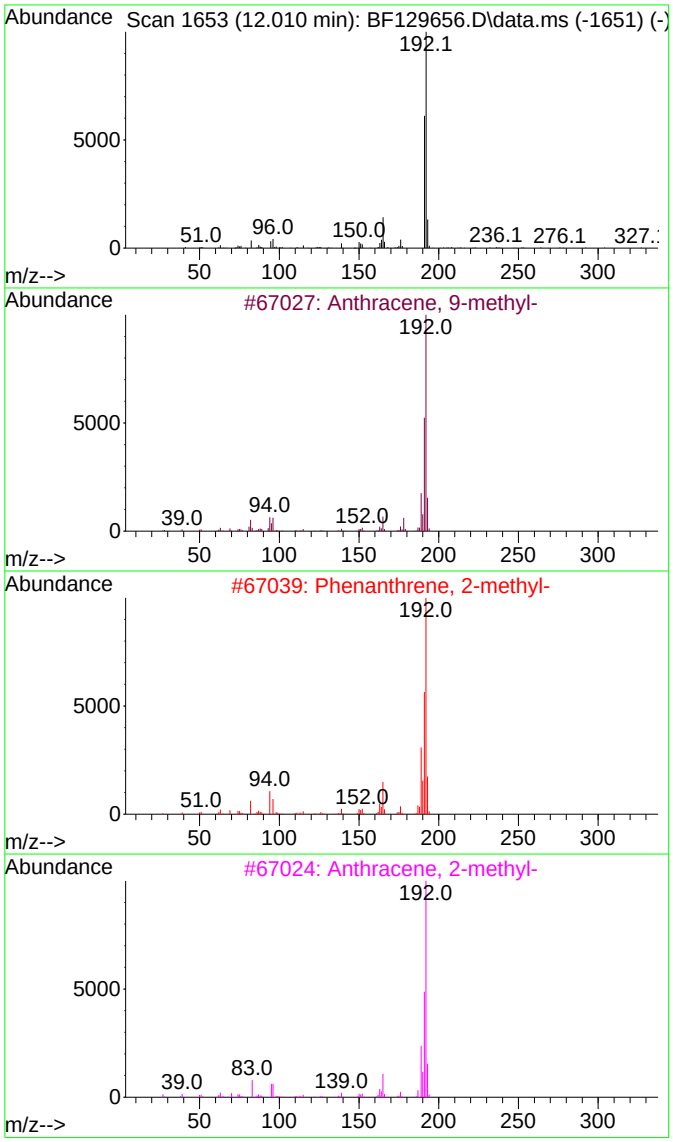
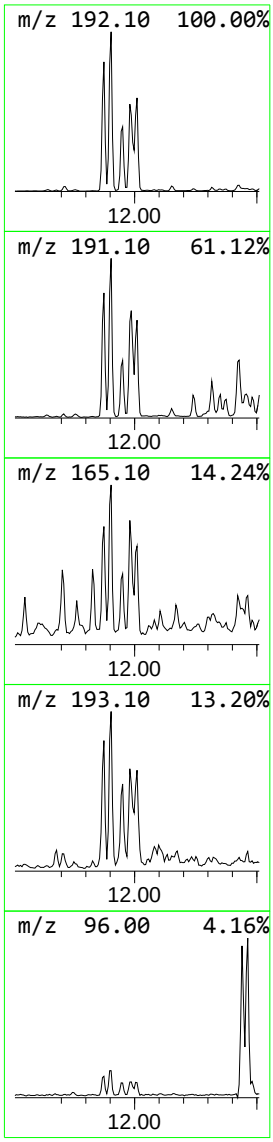
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	7.74 ng	340978	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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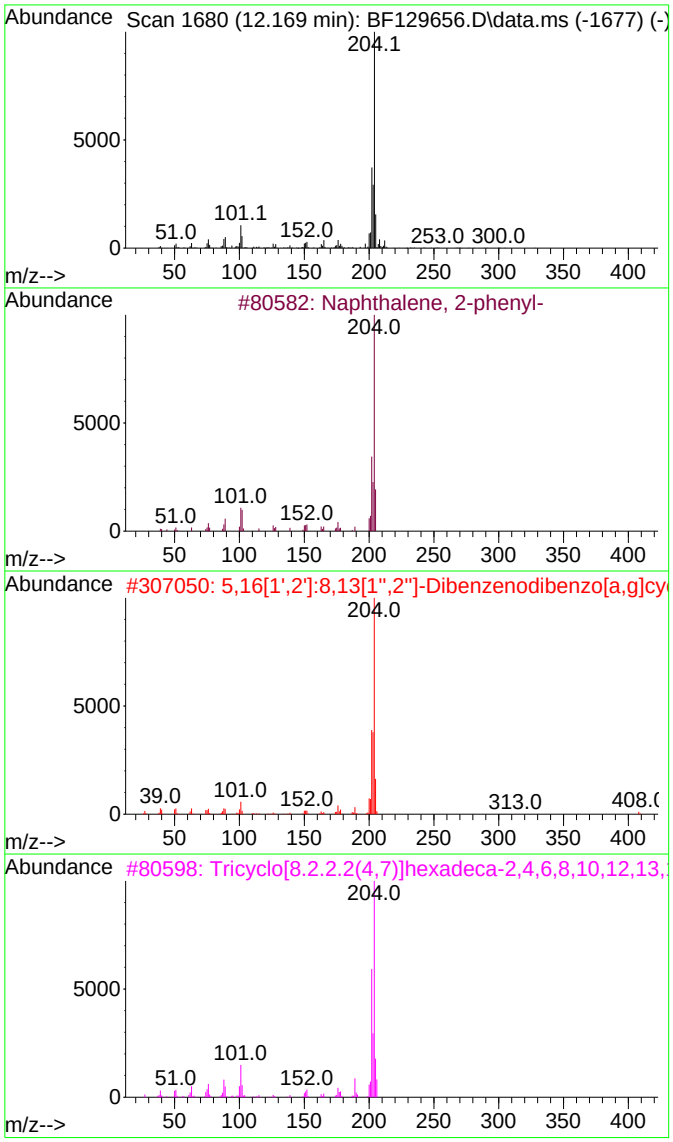
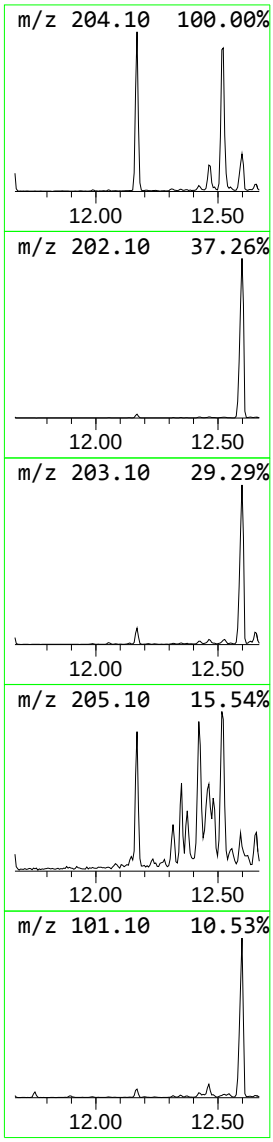
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.169	8.81 ng	388065	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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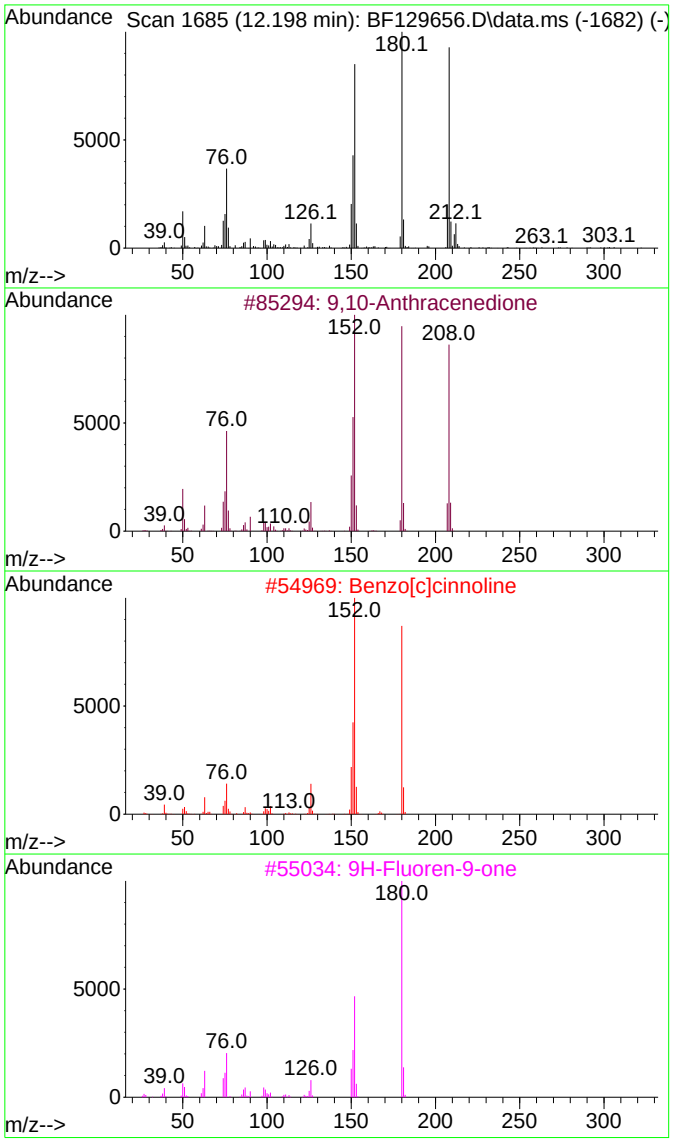
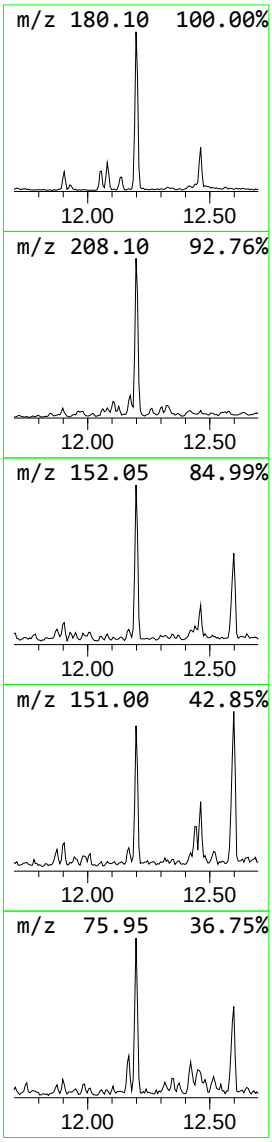
Peak Number 11 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	8.31 ng	366352	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	49





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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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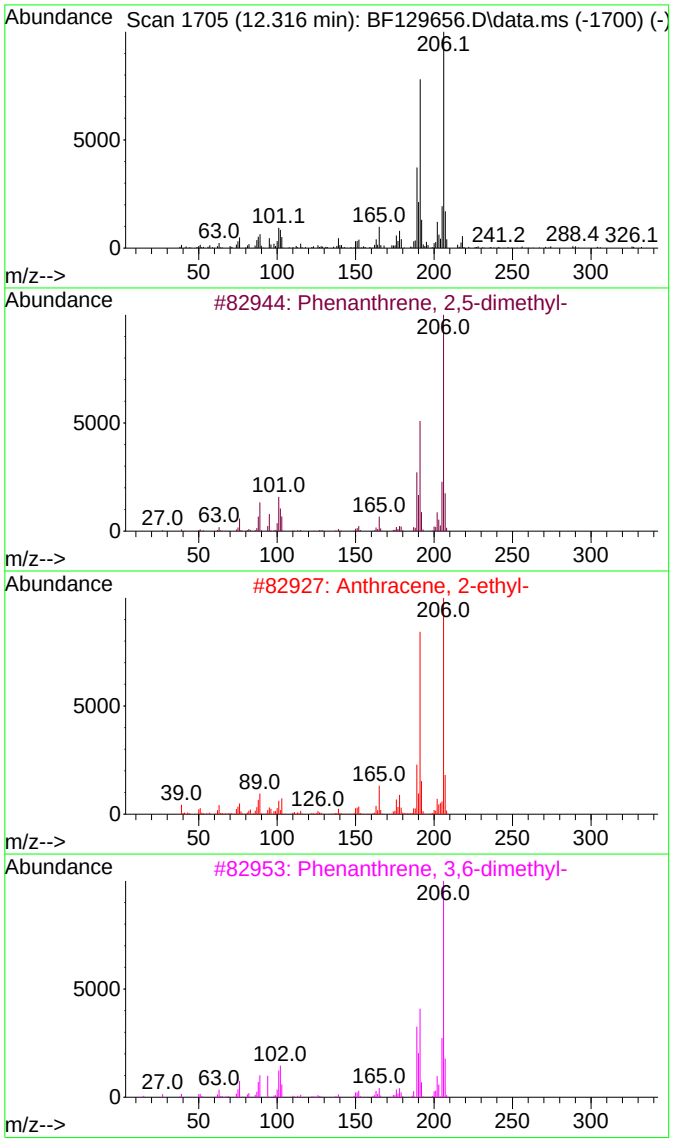
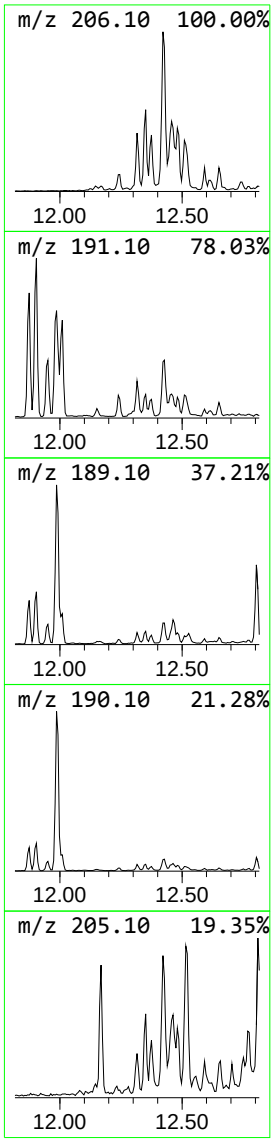
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.316	5.28 ng	232893	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	96
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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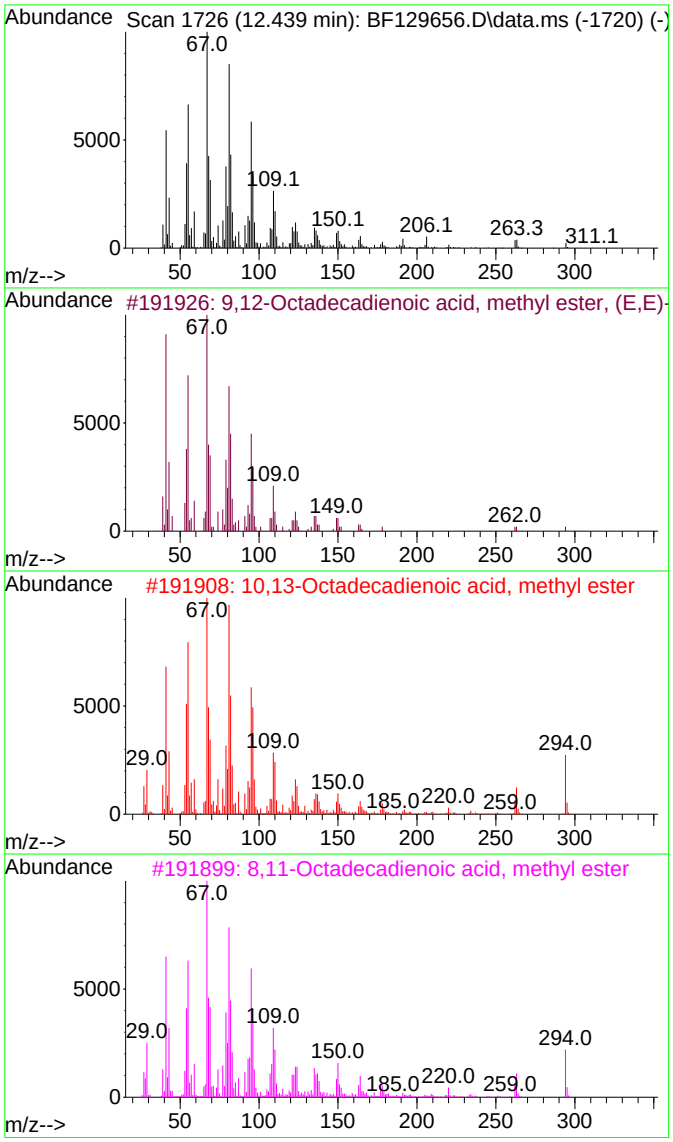
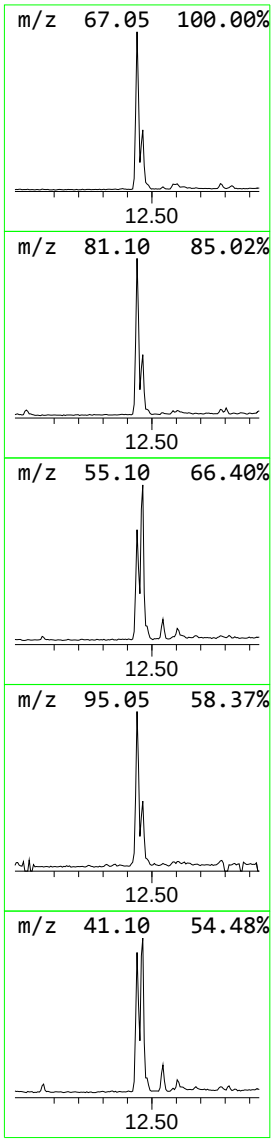
****
Peak Number 13 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.439	66.71 ng	2939700	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99





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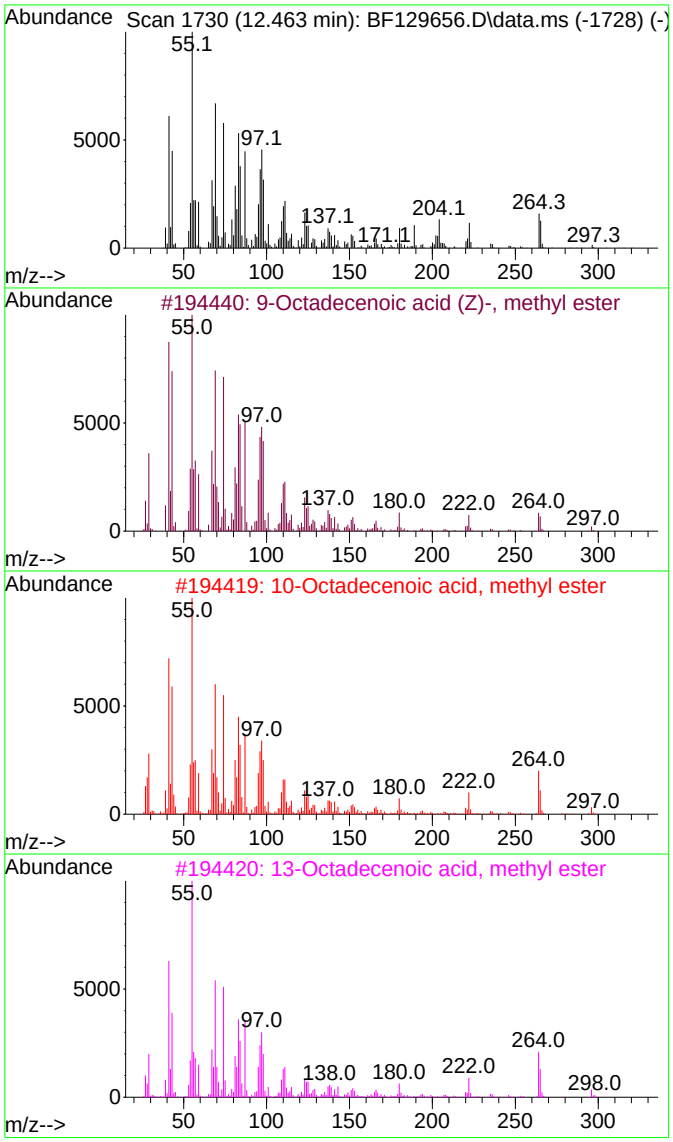
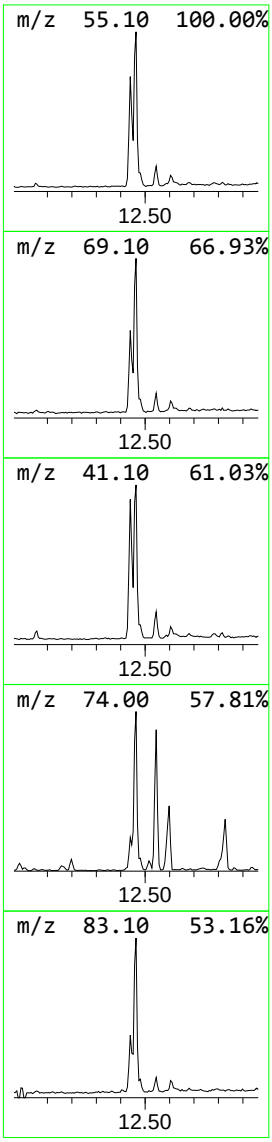
****
Peak Number 14 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	57.56 ng	2536450	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
3	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
5	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99





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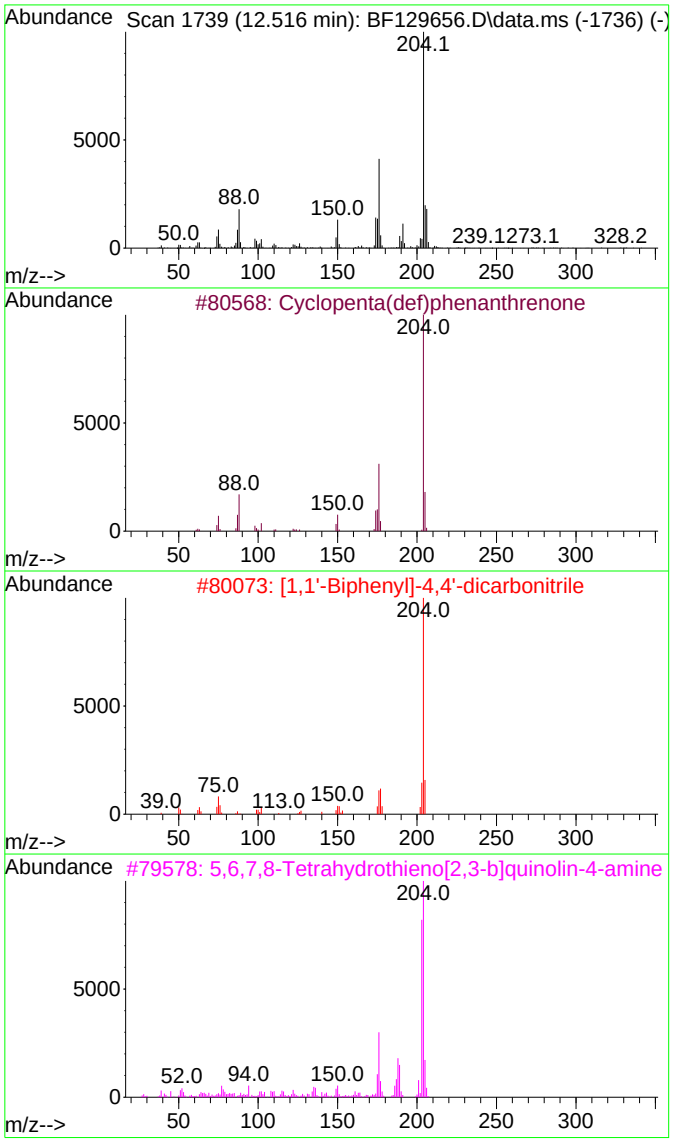
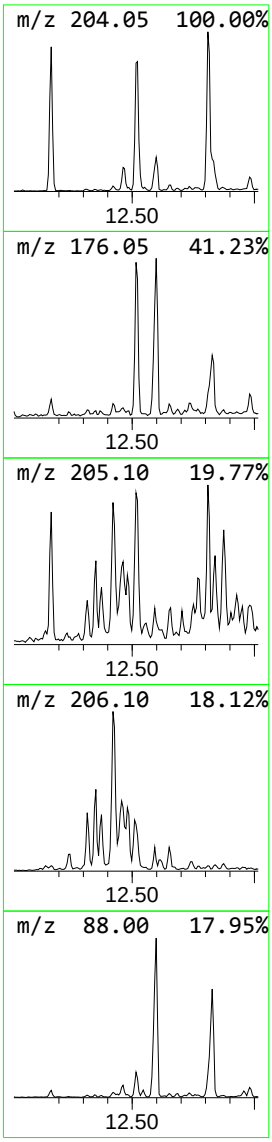
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.516	12.93 ng	569668	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45





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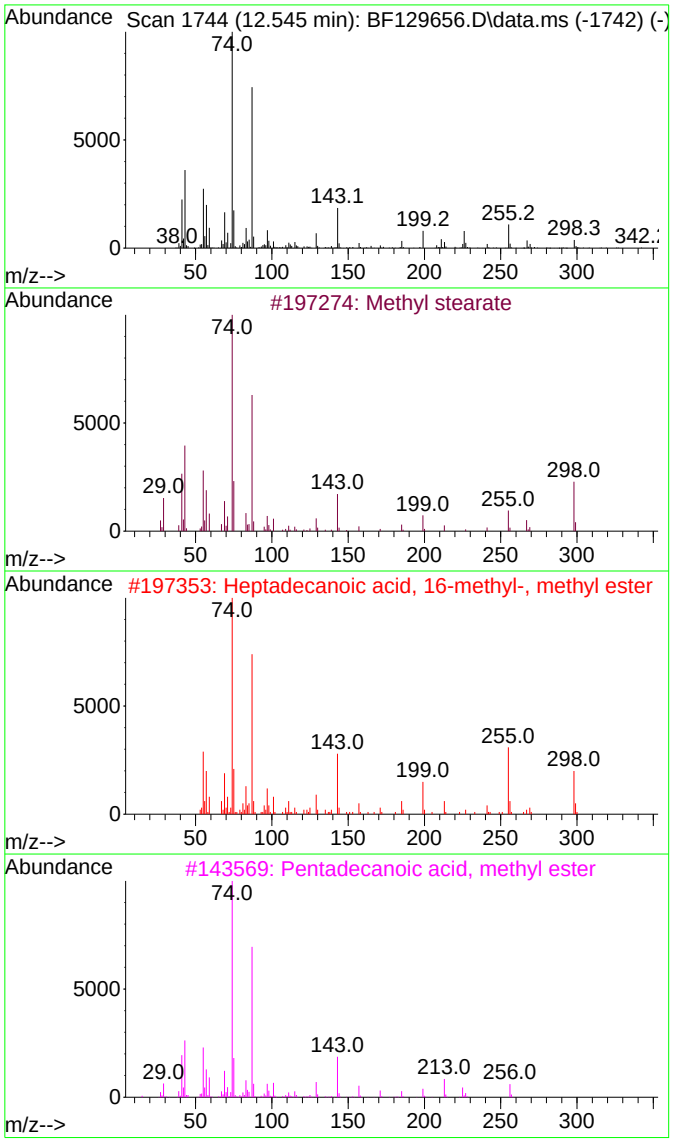
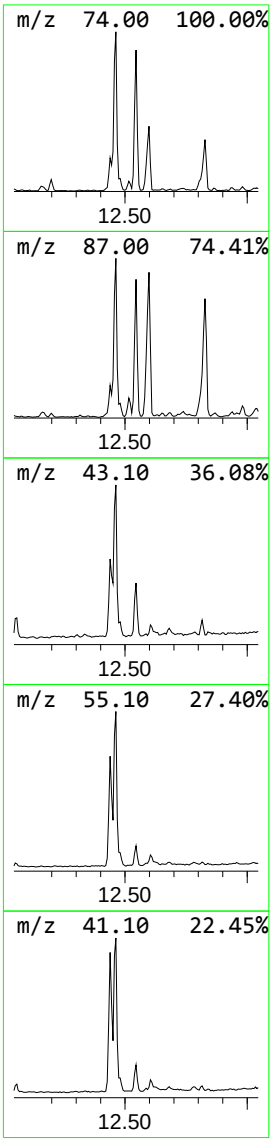
Peak Number 16 Methyl stearate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	10.10 ng	444991	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	94
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	91
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	83
4	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	80
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80





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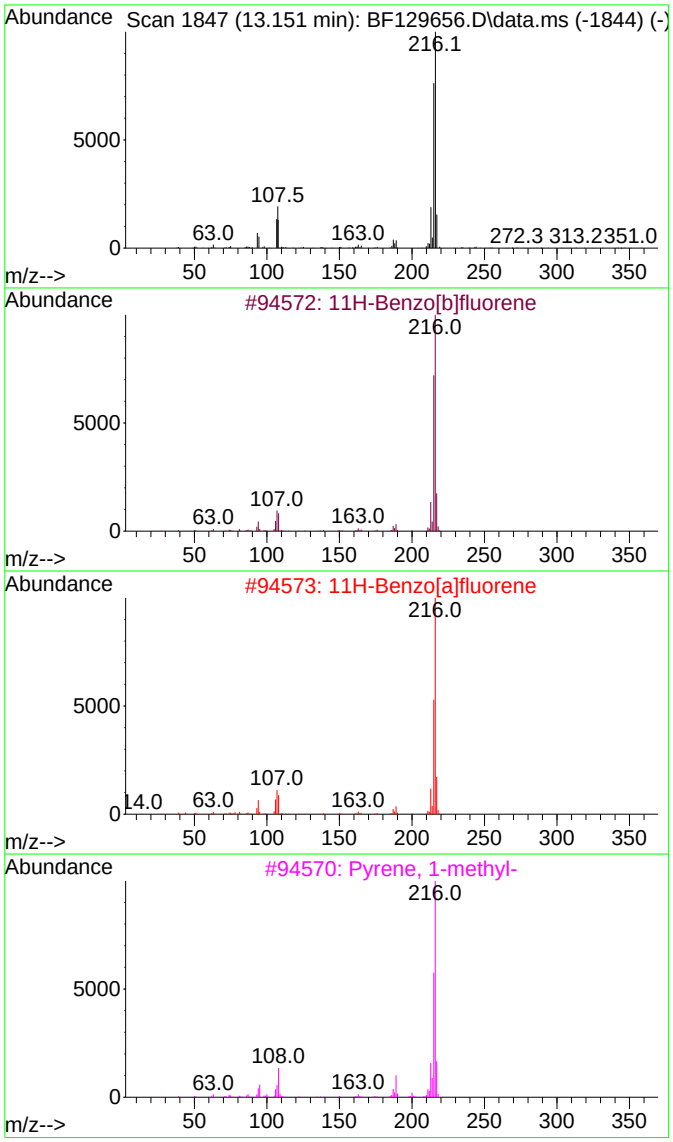
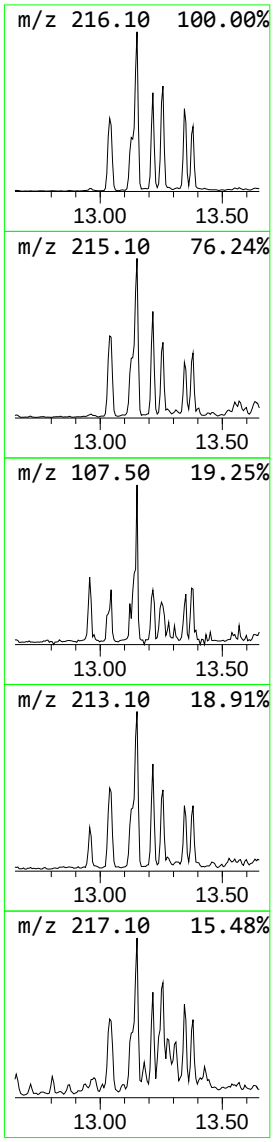
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.151	3.96 ng	792419	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
4	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	59
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	58





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Data File : BF129656.D
Acq On : 09 Aug 2022 04:56
Operator : CG\JU
Sample : N4088-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-080522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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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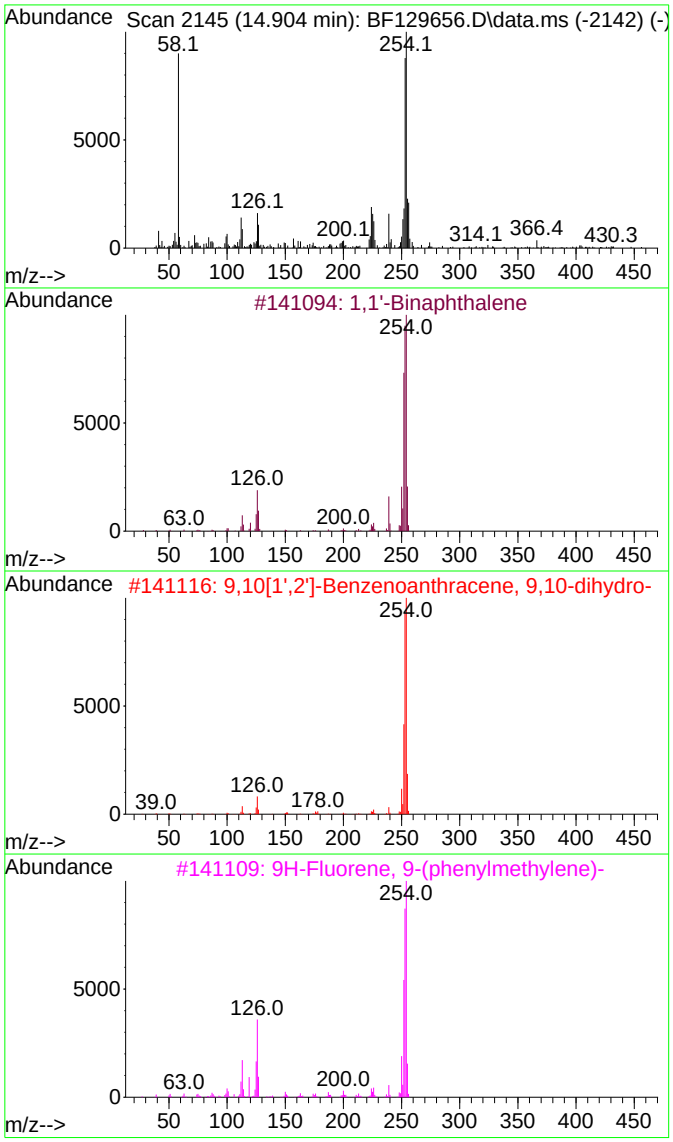
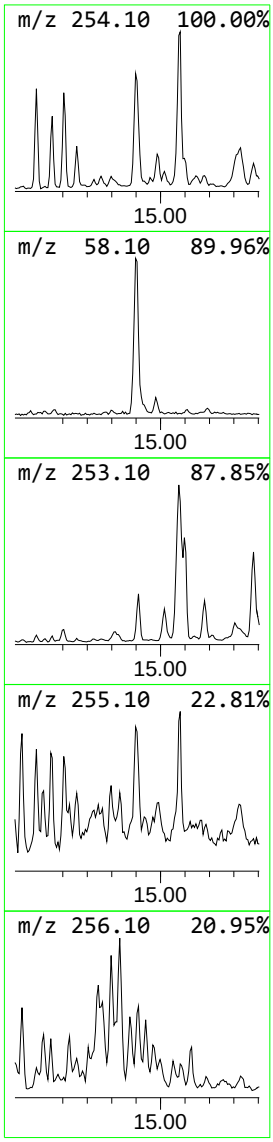
Peak Number 18 1,1'-Binaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.904	14.15 ng	434260	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	78
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	59
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	53
4	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	49
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
Data File : BF129656.D
Acq On : 09 Aug 2022 04:56
Operator : CG\JU
Sample : N4088-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-080522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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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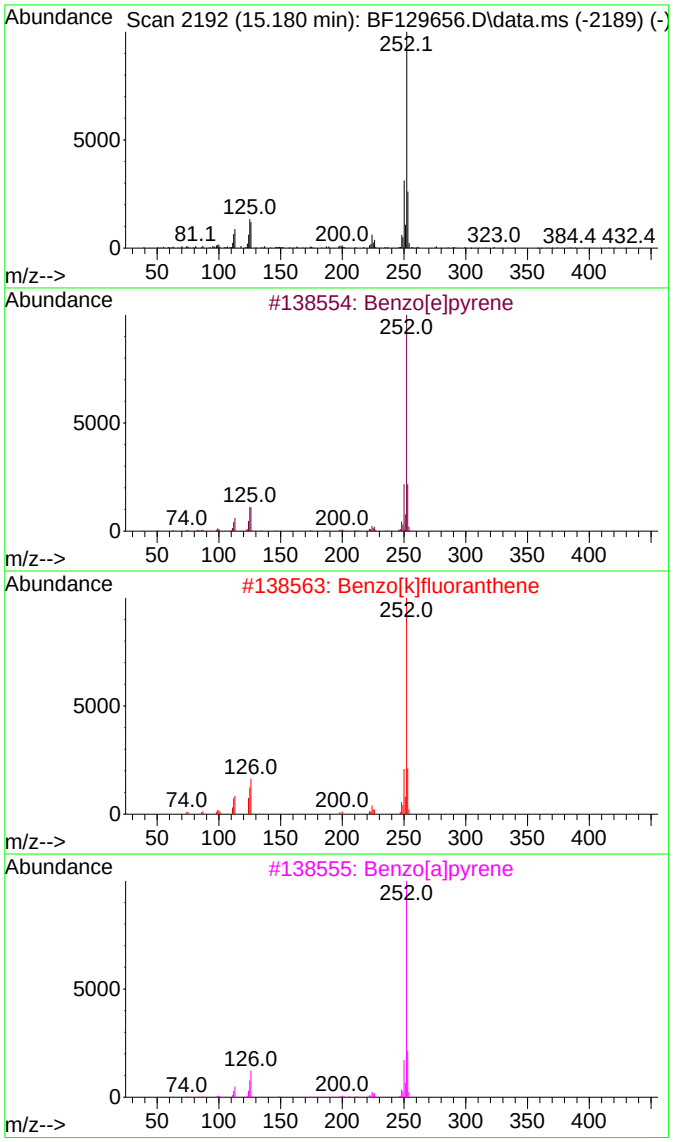
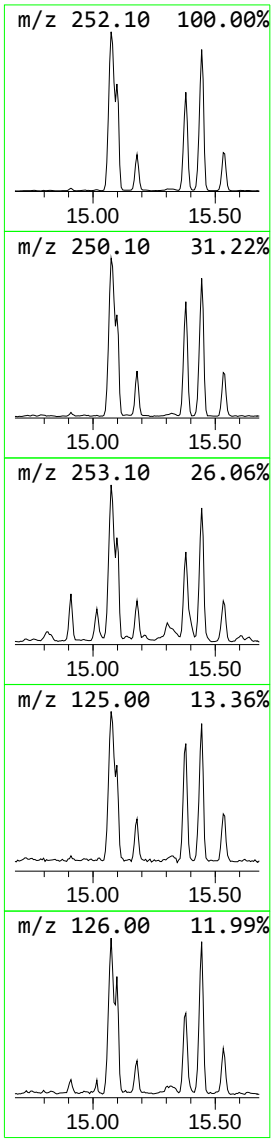
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.180	14.57 ng	447073	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
Data File : BF129656.D
Acq On : 09 Aug 2022 04:56
Operator : CG\JU
Sample : N4088-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-080522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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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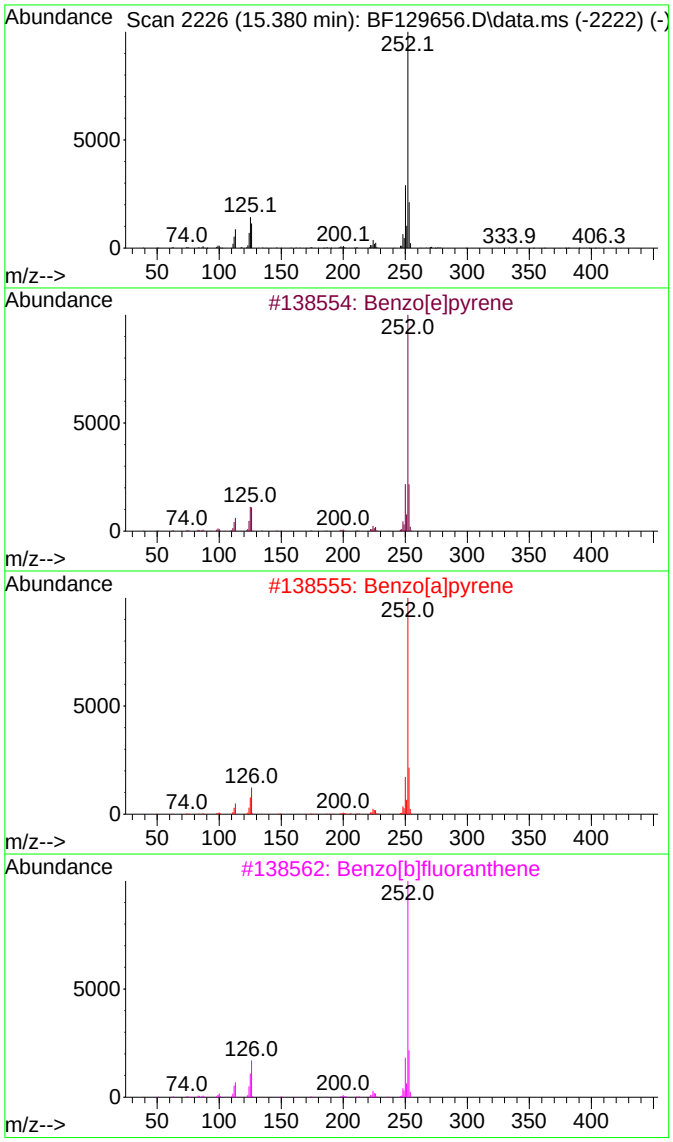
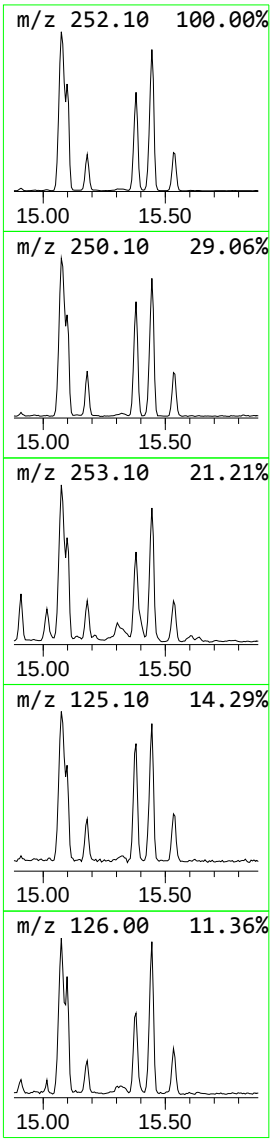
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.380	40.56 ng	1244800	Perylene-d12	15.504

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	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
Data File : BF129656.D
Acq On : 09 Aug 2022 04:56
Operator : CG\JU
Sample : N4088-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-080522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.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
2,4,2',4'-Tetra...	10.775	6.0	ng	263597	4	11.369	881391	20.0
9H-Fluoren-9-one	11.175	5.2	ng	230726	4	11.369	881391	20.0
3'-Methyl-[1,1'...	11.216	4.0	ng	178212	4	11.369	881391	20.0
Hexadecanoic ac...	11.751	16.8	ng	740266	4	11.369	881391	20.0
Phenanthrene, 2...	11.874	12.3	ng	542169	4	11.369	881391	20.0
Phenanthrene, 1...	11.898	20.7	ng	912330	4	11.369	881391	20.0
1H-Indene, 2-ph...	11.951	6.2	ng	274608	4	11.369	881391	20.0
4H-Cyclopenta[d...	11.986	22.7	ng	1002240	4	11.369	881391	20.0
Anthracene, 9-m...	12.010	7.7	ng	340978	4	11.369	881391	20.0
Naphthalene, 2-...	12.169	8.8	ng	388065	4	11.369	881391	20.0
9,10-Anthracene...	12.198	8.3	ng	366352	4	11.369	881391	20.0
Phenanthrene, 2...	12.316	5.3	ng	232893	4	11.369	881391	20.0
9,12-Octadecadi...	12.439	66.7	ng	2939700	4	11.369	881391	20.0
9-Octadecenoic ...	12.463	57.6	ng	2536450	4	11.369	881391	20.0
Cyclopenta(def)...	12.516	12.9	ng	569668	4	11.369	881391	20.0
Methyl stearate	12.545	10.1	ng	444991	4	11.369	881391	20.0
11H-Benzo[b]flu...	13.151	4.0	ng	792419	5	14.027	3997810	20.0
1,1'-Binaphthalene	14.904	14.2	ng	434260	6	15.504	613765	20.0
Benzo[e]pyrene	15.180	14.6	ng	447073	6	15.504	613765	20.0
Benzo[j]fluoran...	15.380	40.6	ng	1244800	6	15.504	613765	20.0