LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
Data File : BF129202.D
Acq On : 12 Jul 2022 22:06
Operator : CG\JU
Sample : N3645-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-070822

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-BF062922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF129202.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.551	551	555	567	rVB	1806453	1494911	24.30%	2.135%
2	6.551	721	725	729	rBV	1754754	1459503	23.73%	2.085%
3	6.934	786	790	794	rBV	1944822	1595100	25.93%	2.279%
4	7.492	881	885	888	rBV	1119054	868848	14.12%	1.241%
5	8.216	1004	1008	1011	rBV	2281694	2065453	33.58%	2.950%
6	8.239	1011	1012	1015	rVB	521889	281523	4.58%	0.402%
7	8.934	1126	1130	1133	rBV	473877	423502	6.88%	0.605%
8	9.028	1142	1146	1150	rBV	574524	517511	8.41%	0.739%
9	9.292	1187	1191	1194	rVB	1571687	1296617	21.08%	1.852%
10	9.392	1205	1208	1212	rVB	138602	106082	1.72%	0.152%
11	9.492	1222	1225	1231	rVB	87234	119604	1.94%	0.171%
12	9.563	1231	1237	1240	rBV2	248909	342748	5.57%	0.490%
13	9.633	1244	1249	1251	rVV	492471	489954	7.96%	0.700%
14	9.657	1251	1253	1256	rVV	317870	259563	4.22%	0.371%
15	9.698	1258	1260	1264	rVB	79718	64525	1.05%	0.092%
16	9.751	1264	1269	1270	rBV	235251	201282	3.27%	0.288%
17	9.763	1270	1271	1274	rVB	83177	62912	1.02%	0.090%
18	9.833	1280	1283	1287	rBV2	450074	413495	6.72%	0.591%
19	9.951	1300	1303	1304	rBV	119300	90737	1.48%	0.130%
20	9.975	1304	1307	1310	rVV	1748189	1501831	24.41%	2.145%
21	10.010	1310	1313	1316	rVV	1684727	1299405	21.12%	1.856%
22	10.039	1316	1318	1321	rVB2	91735	78743	1.28%	0.112%
23	10.081	1321	1325	1329	rBV2	89331	121983	1.98%	0.174%
24	10.133	1329	1334	1337	rVV2	86518	123998	2.02%	0.177%
25	10.181	1337	1342	1345	rVV	786945	708170	11.51%	1.012%
26	10.216	1345	1348	1351	rVB	200312	150256	2.44%	0.215%
27	10.286	1357	1360	1363	rBV2	170570	199190	3.24%	0.285%
28	10.316	1363	1365	1368	rVV	120006	110279	1.79%	0.158%
29	10.380	1372	1376	1378	rBV2	110486	164070	2.67%	0.234%
30	10.428	1382	1384	1386	rBV	81602	67214	1.09%	0.096%
31	10.475	1389	1392	1394	rVV	94182	84152	1.37%	0.120%
32	10.528	1397	1401	1406	rVB	1385006	1297656	21.09%	1.854%
33	10.592	1406	1412	1413	rBV2	147691	202316	3.29%	0.289%
34	10.610	1413	1415	1417	rVV2	184093	153901	2.50%	0.220%
35	10.633	1417	1419	1422	rVV2	97316	99677	1.62%	0.142%
36	10.680	1425	1427	1430	rVB	223741	177396	2.88%	0.253%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
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Acq On : 12 Jul 2022 22:06
Operator : CG\JU
Sample : N3645-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-070822

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-BF062922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.763	1435	1441	1445	rBV	1066474	957251	15.56%	1.367%
38	10.892	1456	1463	1468	rVB4	147026	223517	3.63%	0.319%
39	10.963	1472	1475	1477	rBV2	68537	64561	1.05%	0.092%
40	11.075	1489	1494	1496	rBV2	323459	373390	6.07%	0.533%
41	11.098	1496	1498	1501	rVV	202784	182741	2.97%	0.261%
42	11.157	1505	1508	1511	rVB	210509	166433	2.71%	0.238%
43	11.198	1511	1515	1517	rBV3	94184	125216	2.04%	0.179%
44	11.222	1517	1519	1524	rVV3	114575	147930	2.40%	0.211%
45	11.269	1524	1527	1531	rVV3	129112	145707	2.37%	0.208%
46	11.316	1531	1535	1538	rVV	119820	148099	2.41%	0.212%
47	11.363	1540	1543	1548	rVB	605690	532729	8.66%	0.761%
48	11.469	1557	1561	1563	rBV	1571580	1515172	24.63%	2.164%
49	11.498	1563	1566	1569	rVV	6203897	5355185	87.05%	7.650%
50	11.545	1571	1574	1577	rVV	1899874	1448243	23.54%	2.069%
51	11.575	1577	1579	1582	rVB	211325	199012	3.24%	0.284%
52	11.622	1585	1587	1589	rBV2	68916	69942	1.14%	0.100%
53	11.698	1596	1600	1603	rBV	716923	603272	9.81%	0.862%
54	11.763	1609	1611	1613	rBV	149484	100999	1.64%	0.144%
55	11.798	1614	1617	1621	rVB	374606	318555	5.18%	0.455%
56	11.845	1622	1625	1628	rVB3	61837	70565	1.15%	0.101%
57	11.880	1628	1631	1636	rVB	246207	267213	4.34%	0.382%
58	11.927	1636	1639	1641	rBV2	56717	68474	1.11%	0.098%
59	11.969	1643	1646	1649	rVV	1053193	998913	16.24%	1.427%
60	11.998	1649	1651	1654	rVB	1445083	1137228	18.49%	1.624%
61	12.045	1654	1659	1662	rBV	464326	440559	7.16%	0.629%
62	12.086	1662	1666	1668	rBV2	1776585	1895388	30.81%	2.707%
63	12.104	1668	1669	1673	rVB2	776870	581074	9.45%	0.830%
64	12.151	1674	1677	1679	rBV2	97619	97594	1.59%	0.139%
65	12.204	1683	1686	1688	rBV	189948	159719	2.60%	0.228%
66	12.263	1693	1696	1699	rVV	625623	633231	10.29%	0.905%
67	12.292	1699	1701	1707	rVB2	373993	404507	6.58%	0.578%
68	12.398	1716	1719	1720	rBV	174292	149007	2.42%	0.213%
69	12.416	1720	1722	1724	rVV	216210	154532	2.51%	0.221%
70	12.445	1724	1727	1729	rVV	369698	293274	4.77%	0.419%
71	12.469	1729	1731	1734	rVB2	302434	254468	4.14%	0.363%
72	12.522	1736	1740	1743	rBV	806833	933660	15.18%	1.334%
73	12.557	1743	1746	1749	rVV3	383836	534286	8.69%	0.763%
74	12.610	1752	1755	1759	rBV2	276400	449633	7.31%	0.642%
75	12.692	1764	1769	1772	rBV	5895817	5688779	92.48%	8.126%
76	12.727	1772	1775	1777	rBV	206432	182799	2.97%	0.261%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
Data File : BF129202.D
Acq On : 12 Jul 2022 22:06
Operator : CG\JU
Sample : N3645-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-070822

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-BF062922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	12.751	1777	1779	1781	rVB2	219086	172134	2.80%	0.246%
78	12.780	1782	1784	1787	rVB2	184237	163488	2.66%	0.234%
79	12.839	1791	1794	1797	rBV	356927	317142	5.16%	0.453%
80	12.927	1801	1809	1813	rBV	4881135	6151525	100.00%	8.787%
81	12.969	1813	1816	1820	rVB2	307693	349938	5.69%	0.500%
82	13.033	1824	1827	1828	rBV2	256518	269698	4.38%	0.385%
83	13.051	1828	1830	1833	rVV	1289375	1091439	17.74%	1.559%
84	13.074	1833	1834	1838	rVB	306872	198135	3.22%	0.283%
85	13.133	1840	1844	1847	rBV2	413832	672074	10.93%	0.960%
86	13.245	1856	1863	1866	rVB	1165234	1390466	22.60%	1.986%
87	13.310	1872	1874	1877	rVB	888038	739822	12.03%	1.057%
88	13.351	1877	1881	1883	rBV2	628016	624674	10.15%	0.892%
89	13.445	1894	1897	1899	rBV2	371022	317723	5.16%	0.454%
90	13.474	1899	1902	1905	rVV	405501	370796	6.03%	0.530%
91	13.868	1967	1969	1971	rVB	358750	264178	4.29%	0.377%
92	13.898	1971	1974	1976	rBV	275150	232716	3.78%	0.332%
93	13.921	1976	1978	1981	rBV2	239661	275421	4.48%	0.393%
94	14.116	2007	2011	2014	rBV3	2252093	3093260	50.28%	4.419%
95	14.145	2014	2016	2022	rVB	1753766	1673373	27.20%	2.390%
96	14.210	2024	2027	2032	rVB2	1061619	1219379	19.82%	1.742%
97	15.192	2190	2194	2201	rVB	878102	1782439	28.98%	2.546%
98	15.574	2256	2259	2266	rVB	852406	1068073	17.36%	1.526%
99	15.639	2267	2270	2274	rVV	661246	800323	13.01%	1.143%

Sum of corrected areas: 70005180

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
Data File : BF129202.D
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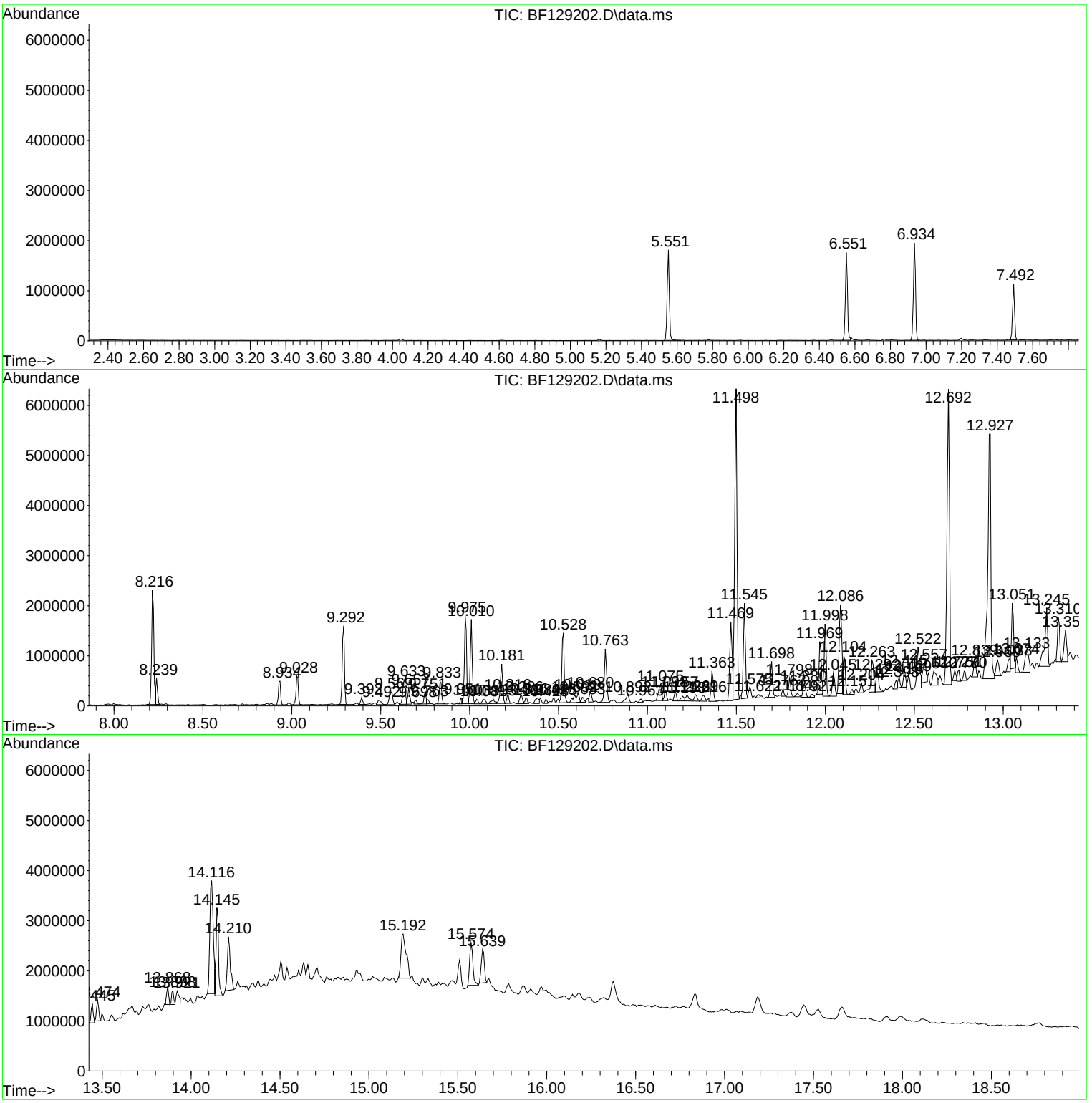
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-070822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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\BF071222\
Data File : BF129202.D
Acq On : 12 Jul 2022 22:06
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Sample : N3645-01 5X
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Instrument :
BNA_F
ClientSampleId :
NB-08-070822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

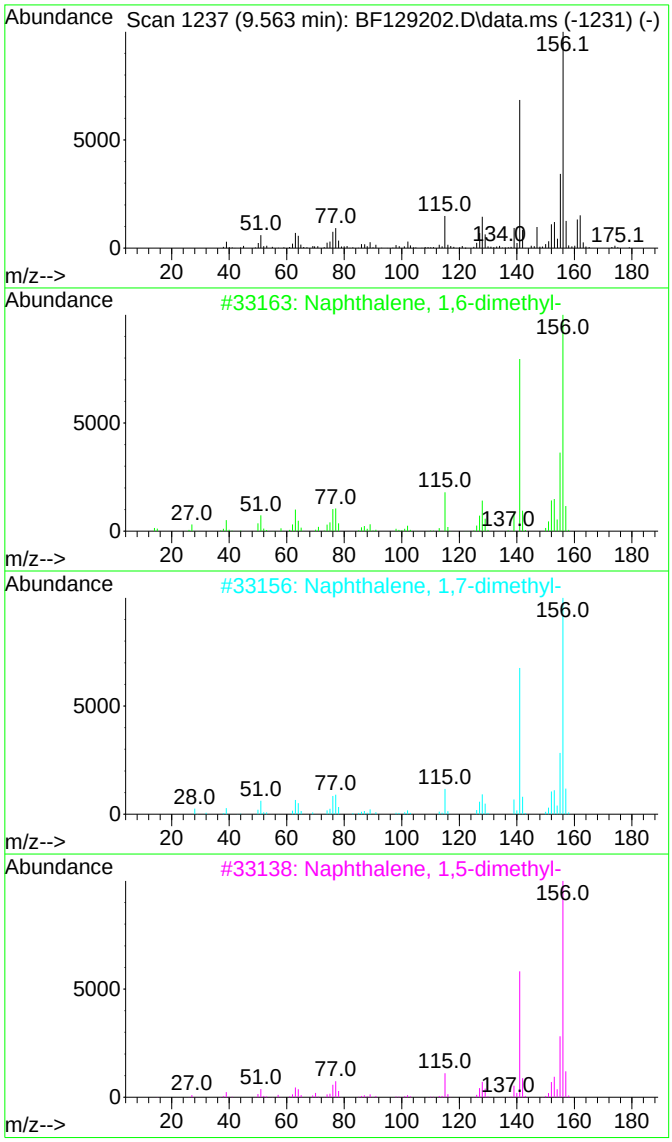
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

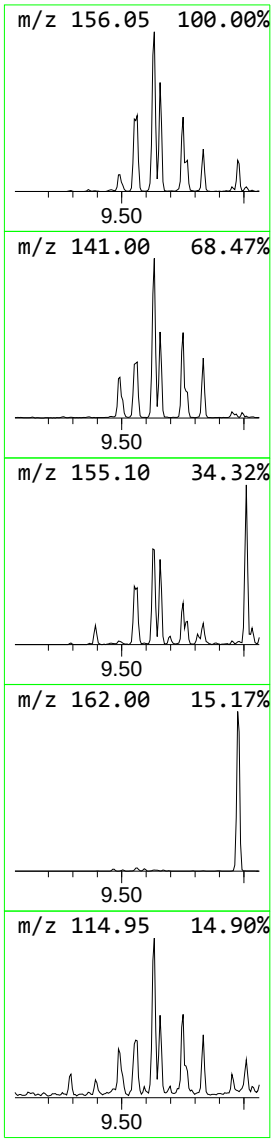
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.563	4.56 ng	342748	Acenaphthene-d10	9.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
Data File : BF129202.D
Acq On : 12 Jul 2022 22:06
Operator : CG\JU
Sample : N3645-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-070822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

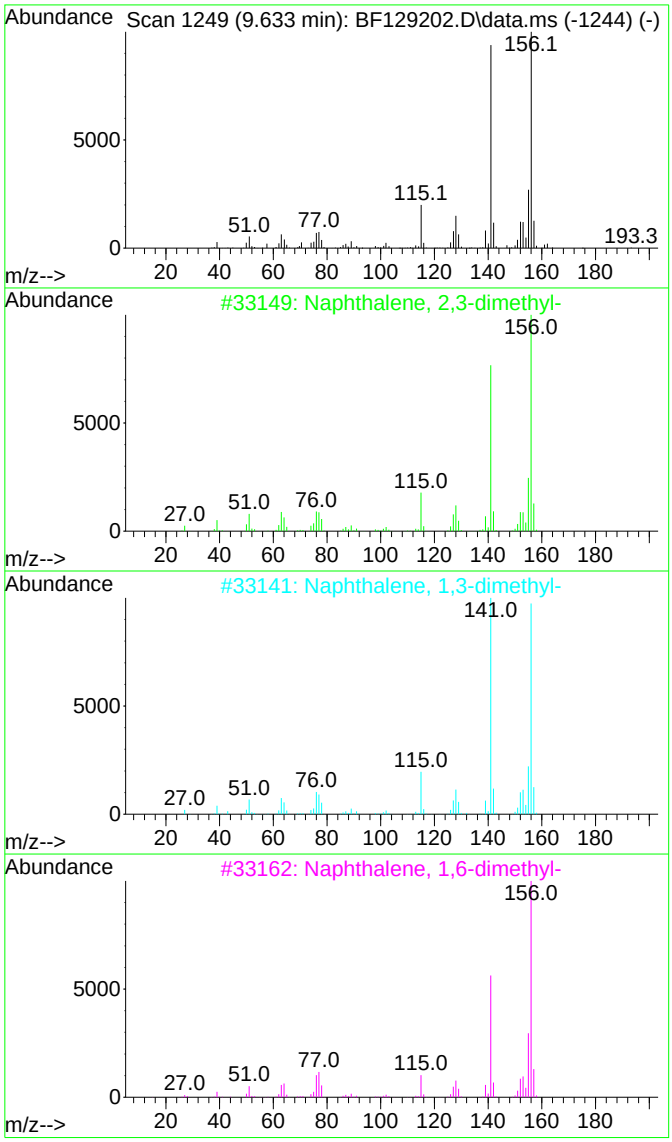
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

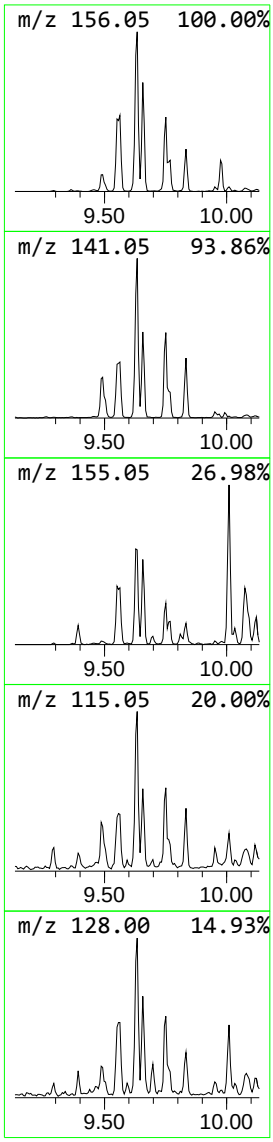
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.633	6.52 ng	489954	Acenaphthene-d10	9.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
Data File : BF129202.D
Acq On : 12 Jul 2022 22:06
Operator : CG\JU
Sample : N3645-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-070822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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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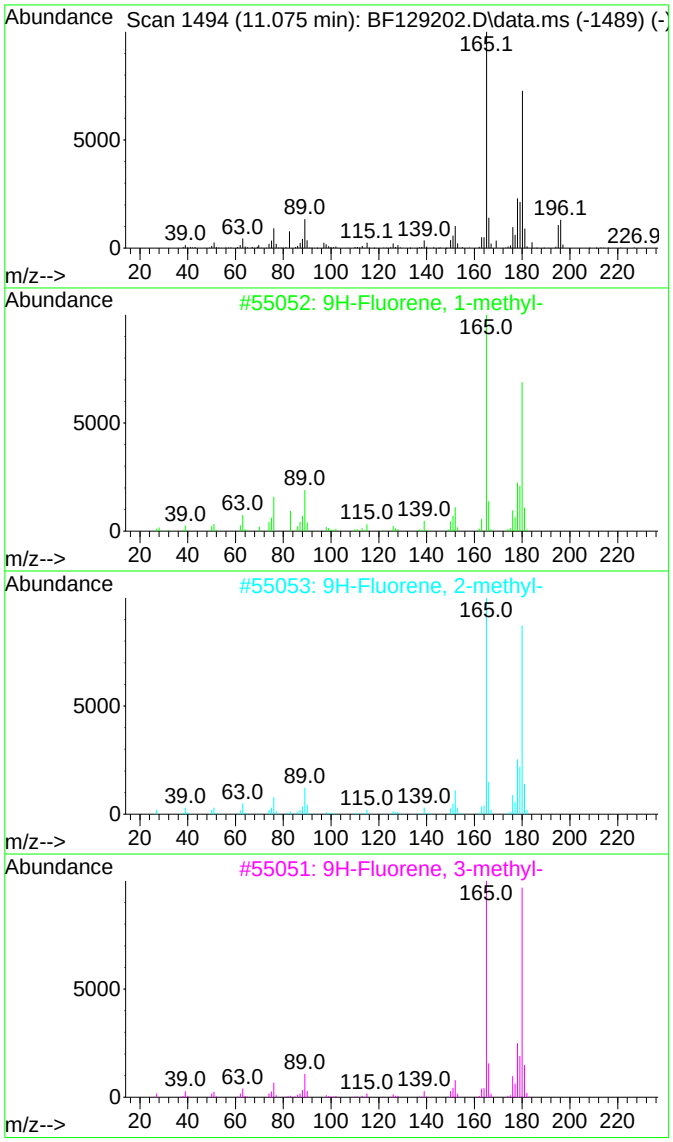
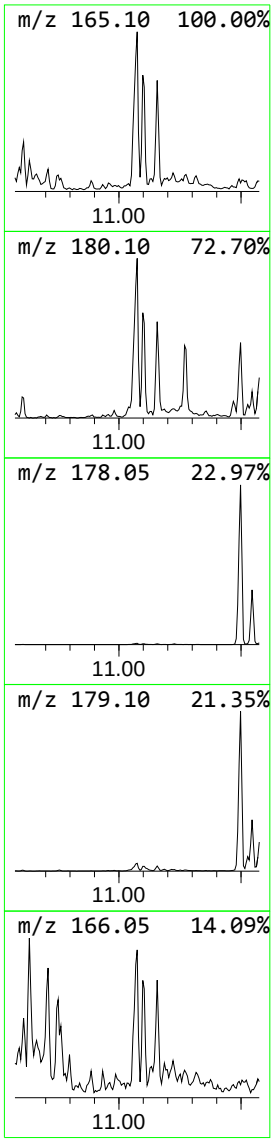
Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.075	4.93 ng	373390	Phenanthrene-d10	11.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
Data File : BF129202.D
Acq On : 12 Jul 2022 22:06
Operator : CG\JU
Sample : N3645-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-070822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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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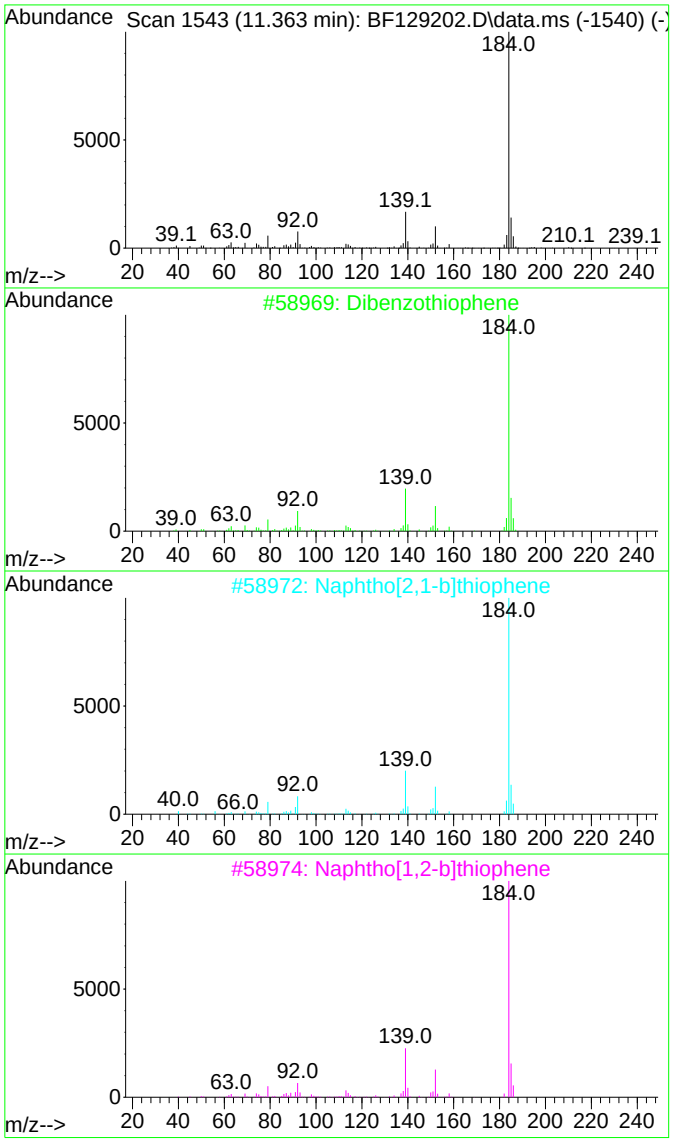
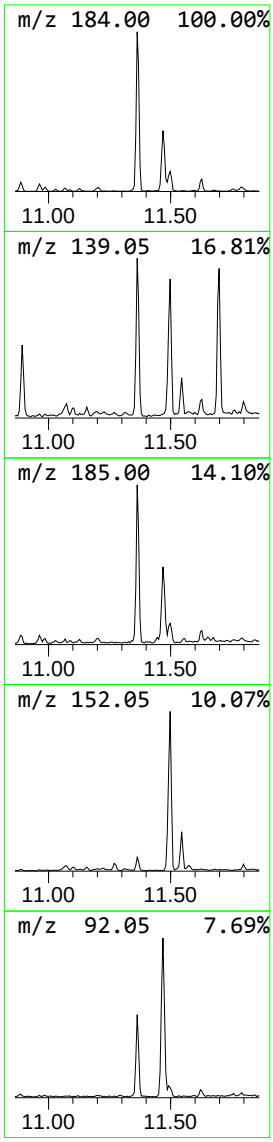
Peak Number 4 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.363	7.03 ng	532729	Phenanthrene-d10	11.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
Data File : BF129202.D
Acq On : 12 Jul 2022 22:06
Operator : CG\JU
Sample : N3645-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-070822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

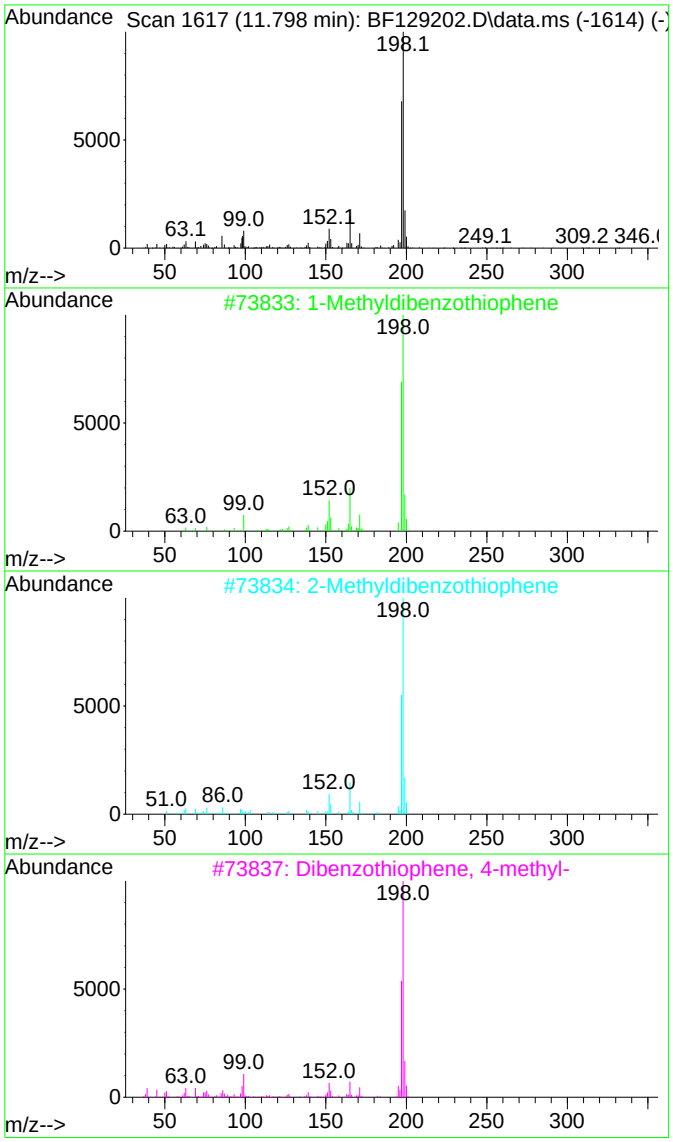
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

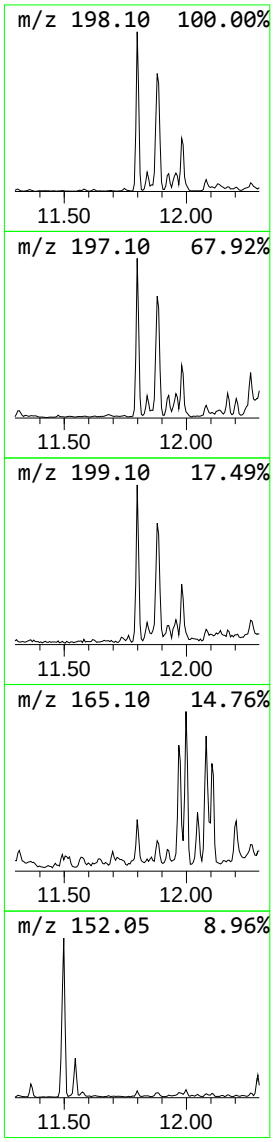
****

Peak Number 5 1-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.798	4.20 ng	318555	Phenanthrene-d10	11.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80





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Operator : CG\JU
Sample : N3645-01 5X
Misc :
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Instrument :
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ClientSampleId :
NB-08-070822

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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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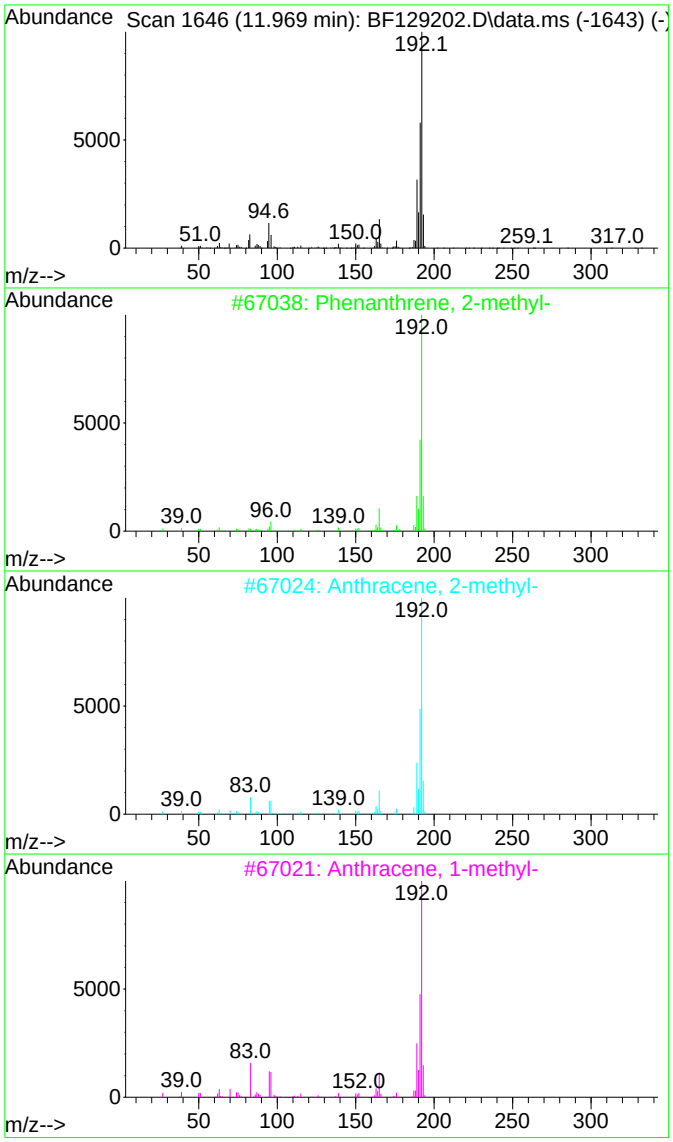
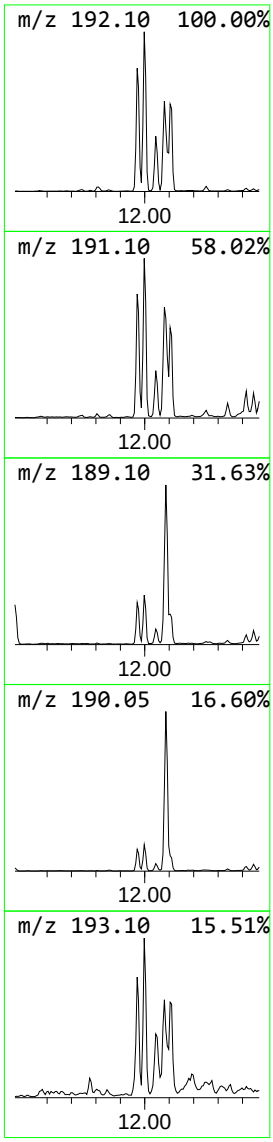
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	13.19 ng	998913	Phenanthrene-d10	11.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





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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

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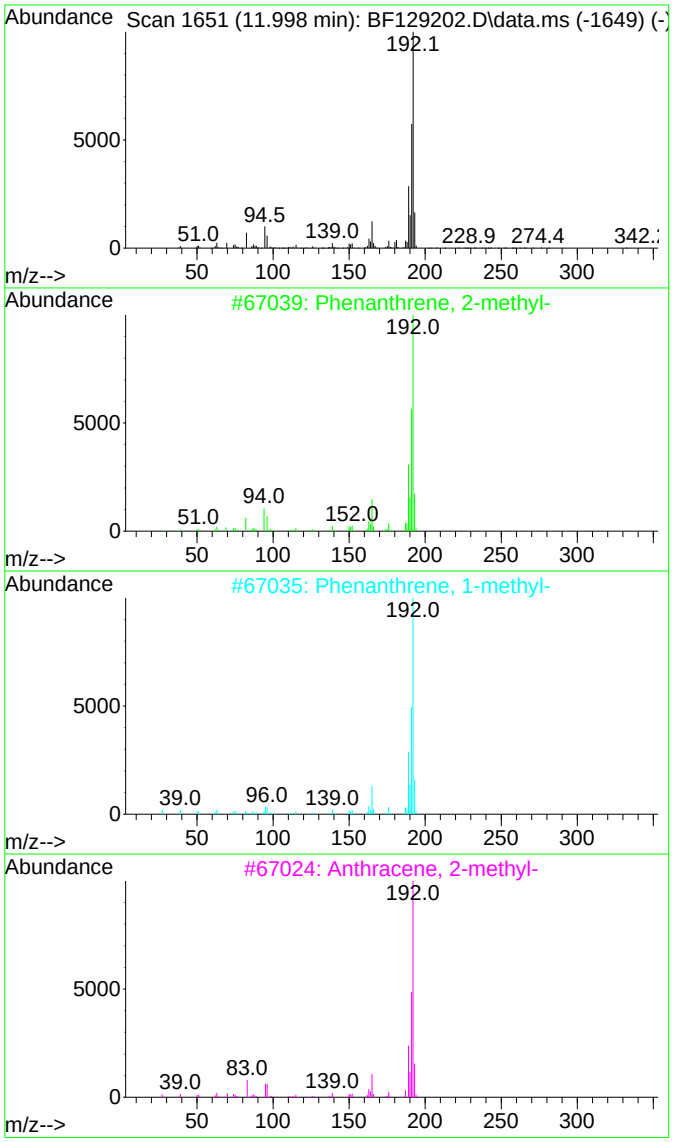
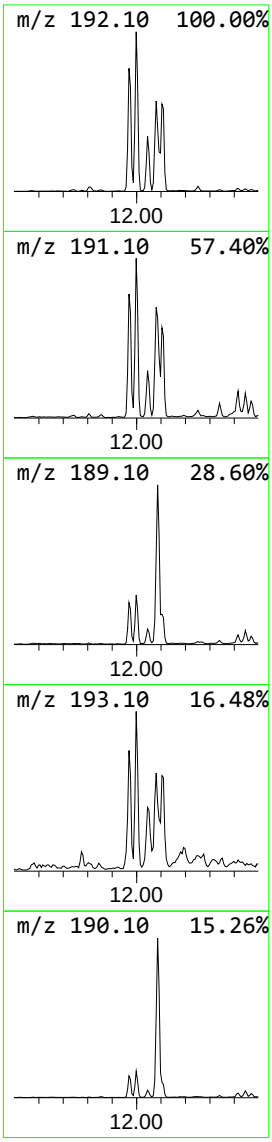
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.998	15.01 ng	1137230	Phenanthrene-d10	11.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Misc :
ALS Vial : 21 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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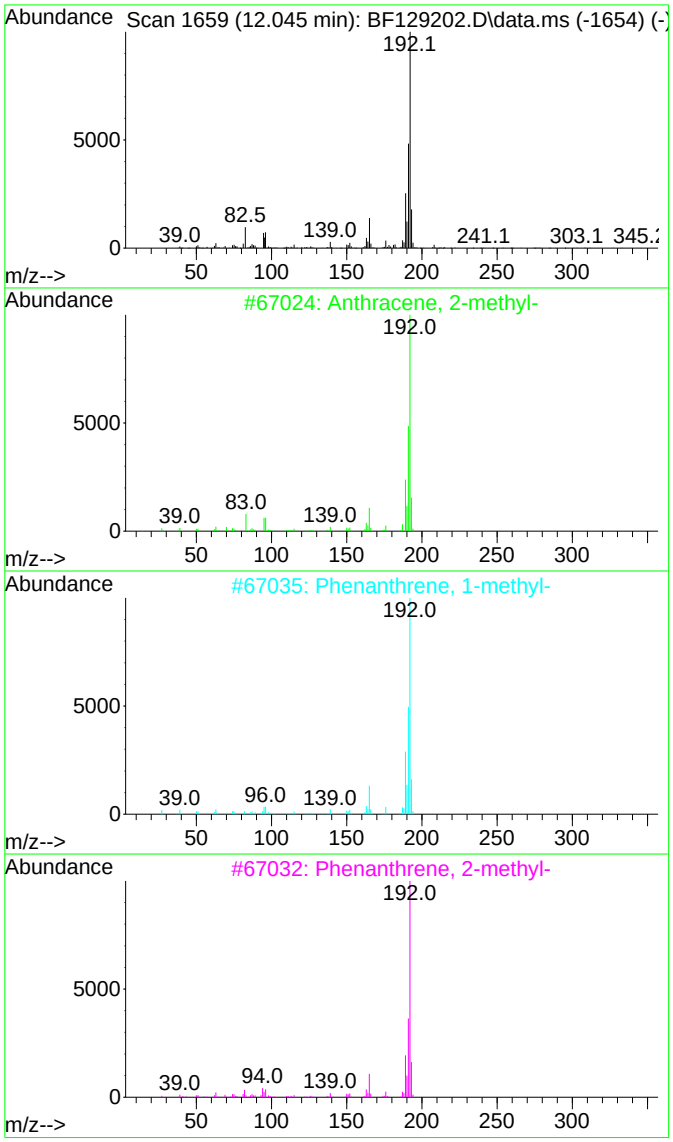
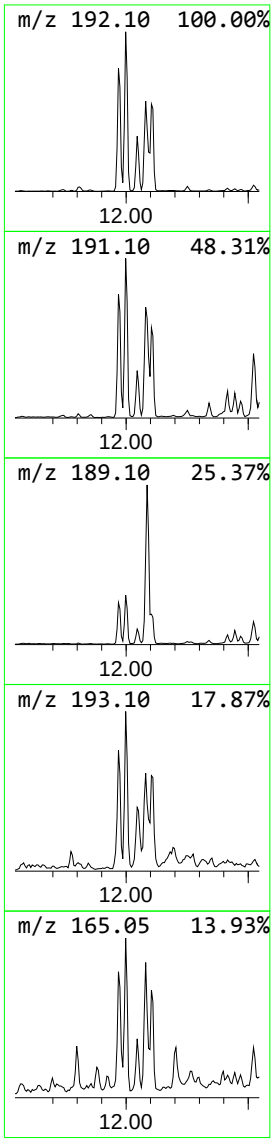
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	5.82 ng	440559	Phenanthrene-d10	11.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
NB-08-070822

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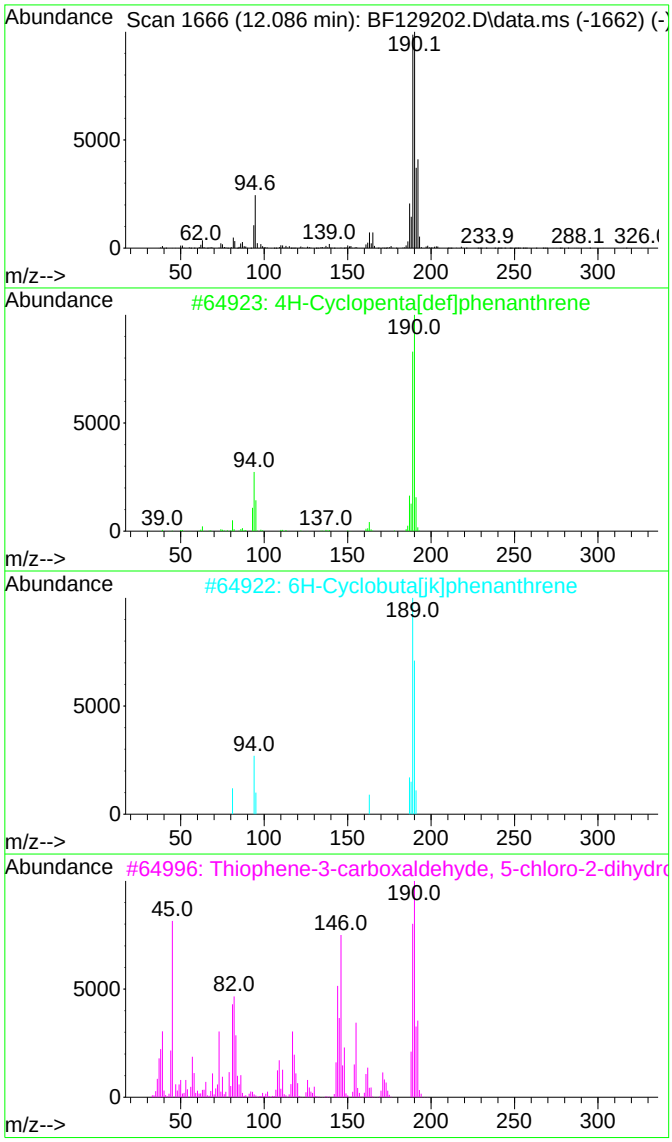
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

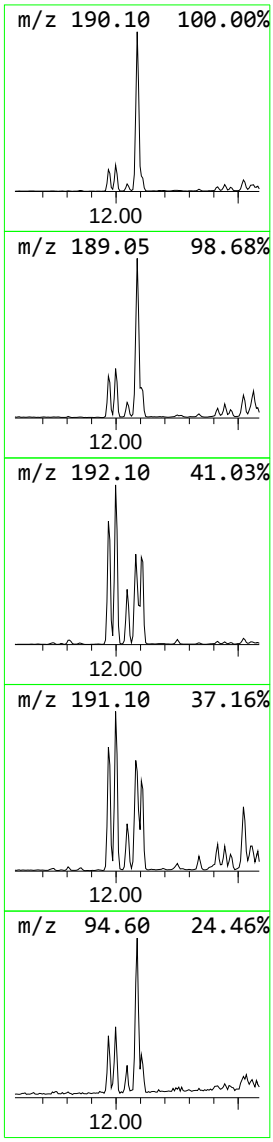
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.086	25.02 ng	1895390	Phenanthrene-d10	11.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
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	38





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Misc :
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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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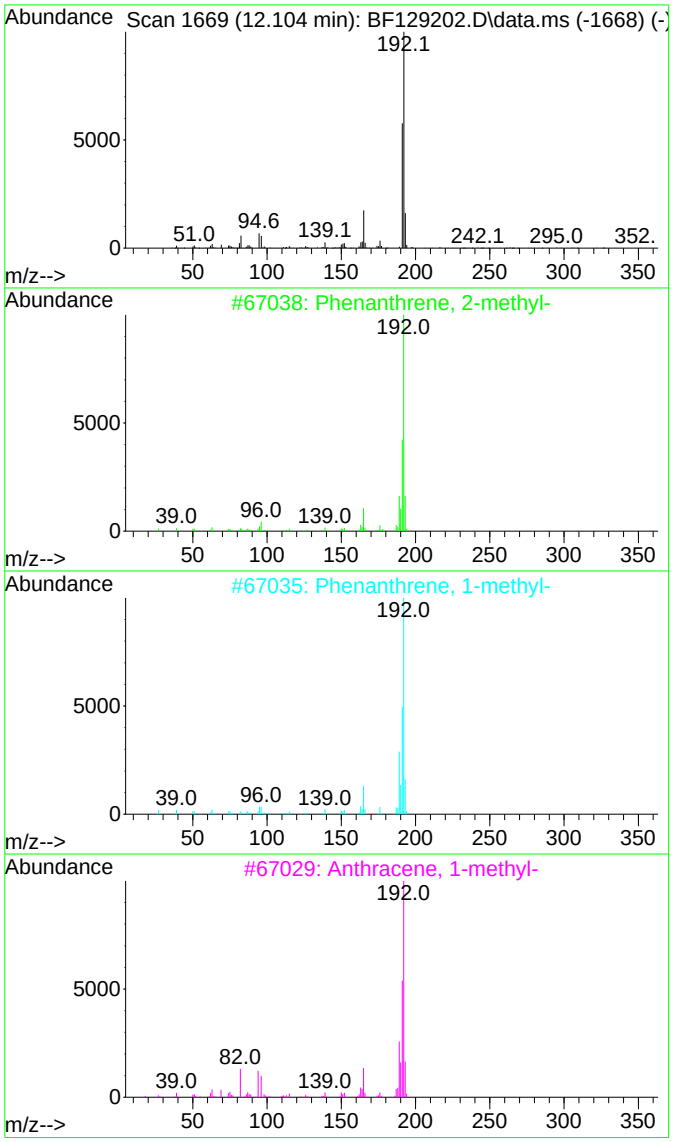
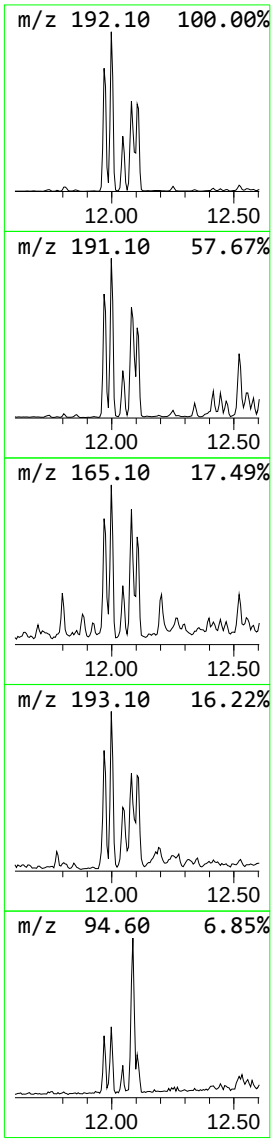
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.104	7.67 ng	581074	Phenanthrene-d10	11.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	90





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Misc :
ALS Vial : 21 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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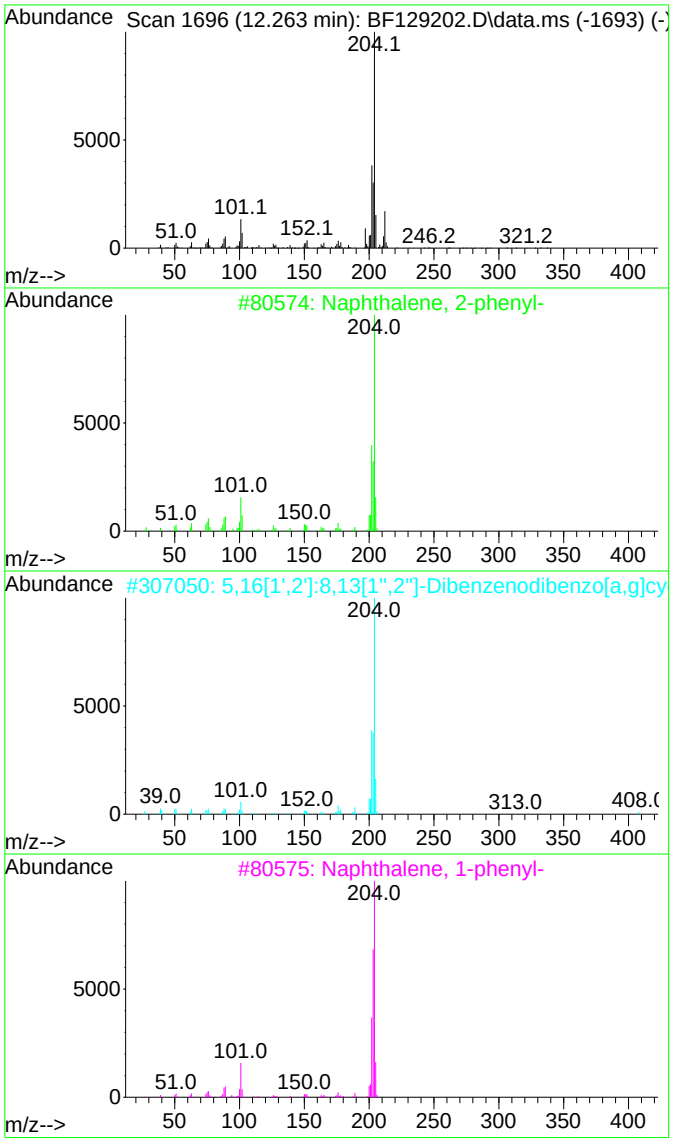
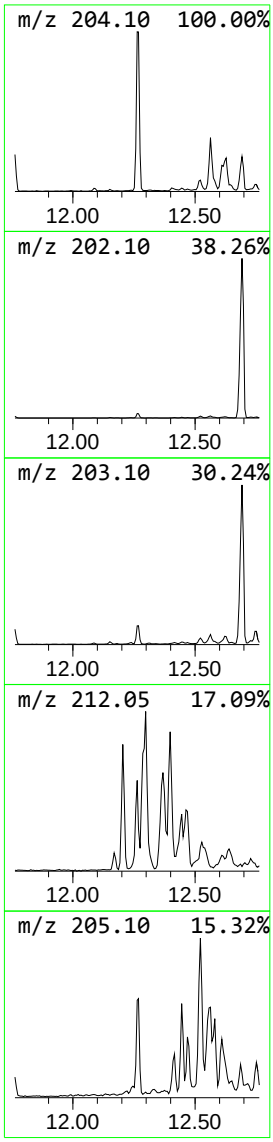
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.263	8.36 ng	633231	Phenanthrene-d10	11.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49





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Misc :
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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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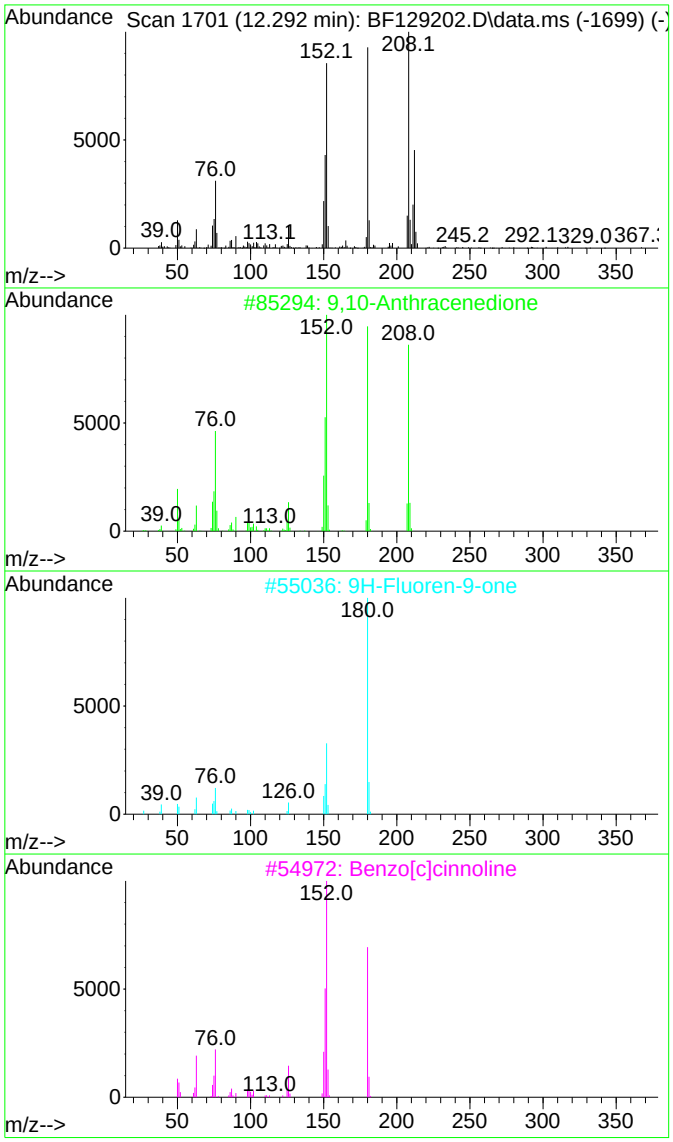
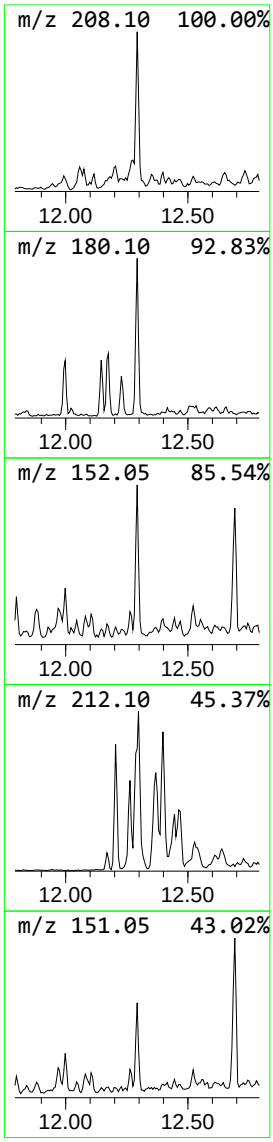
Peak Number 12 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.292	5.34 ng	404507	Phenanthrene-d10	11.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	45





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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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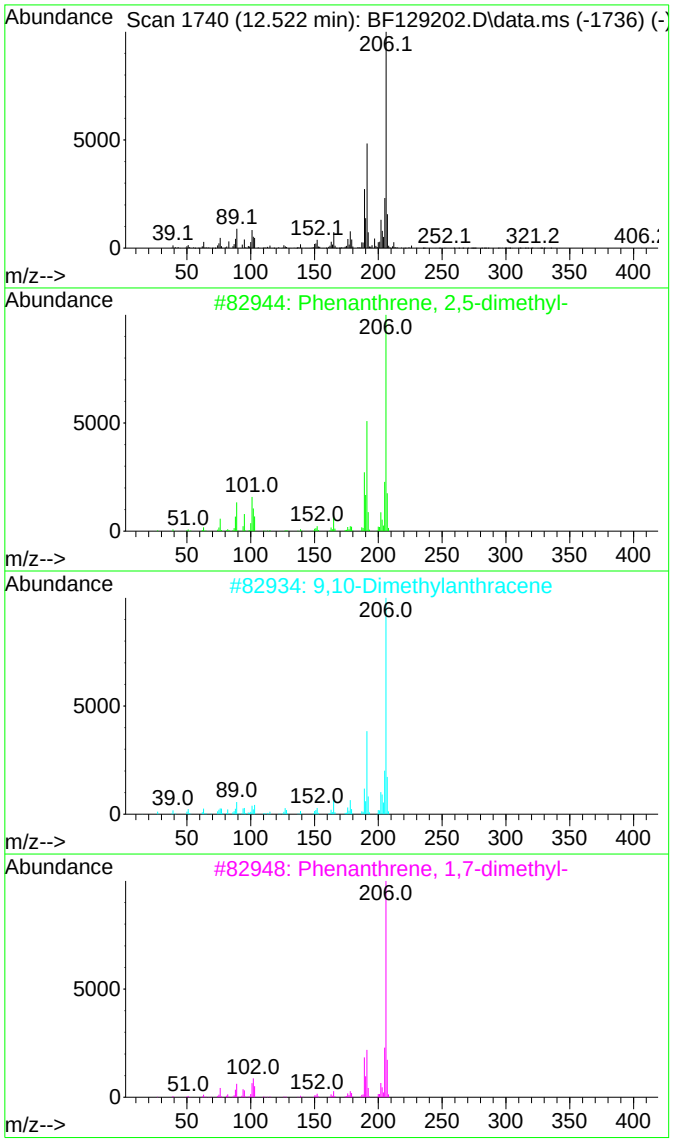
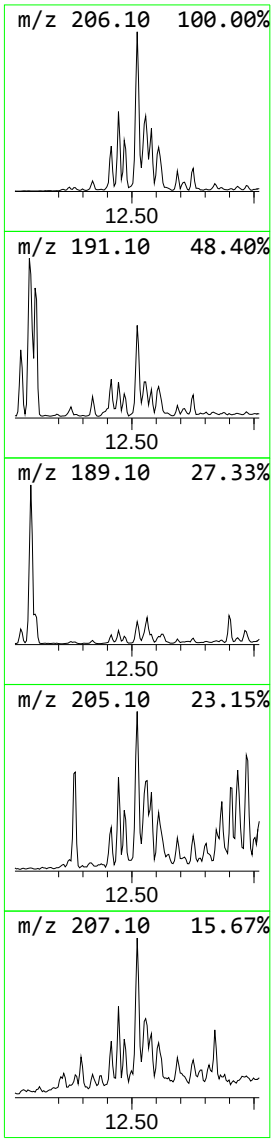
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.522	12.32 ng	933660	Phenanthrene-d10	11.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





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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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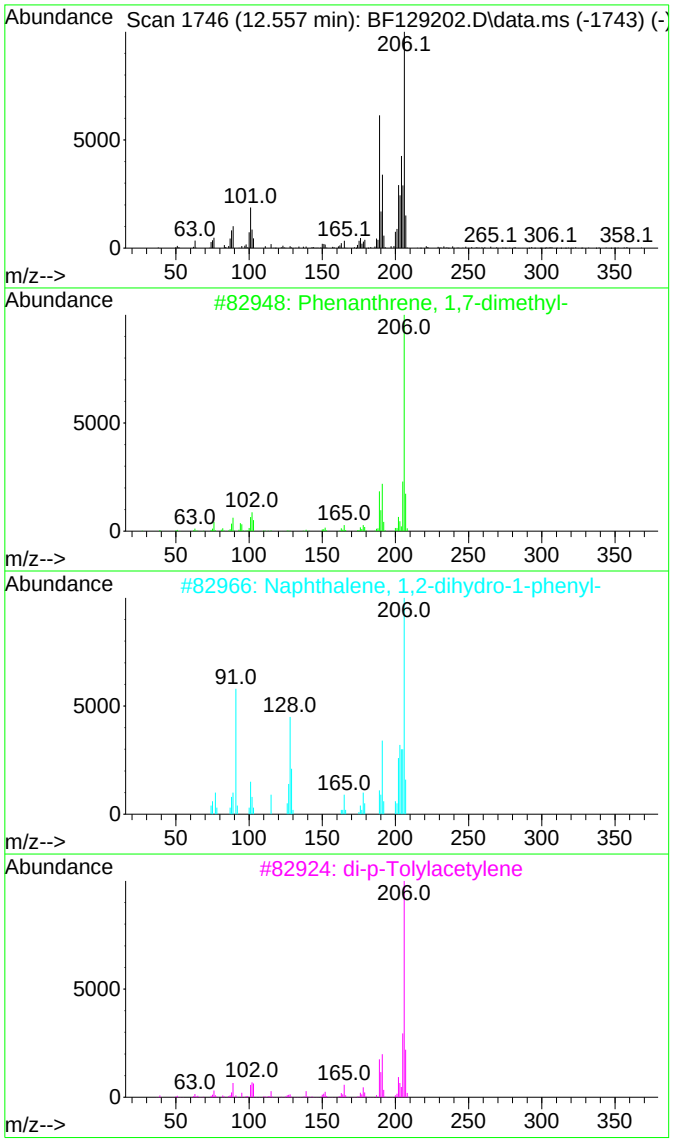
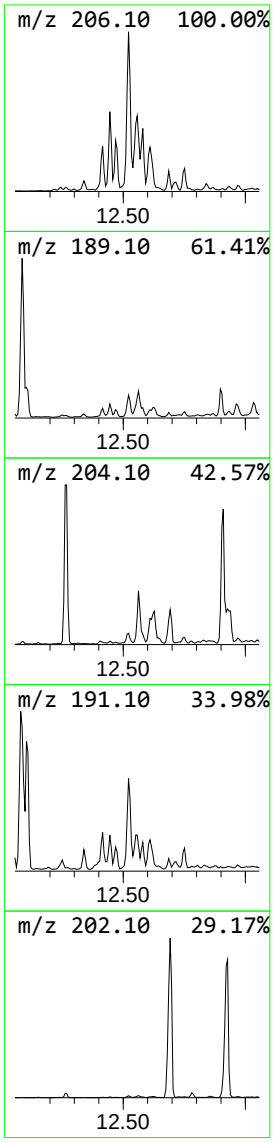
Peak Number 14 Phenanthrene, 1,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.557	7.05 ng	534286	Phenanthrene-d10	11.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	60
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	55
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	52
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	49
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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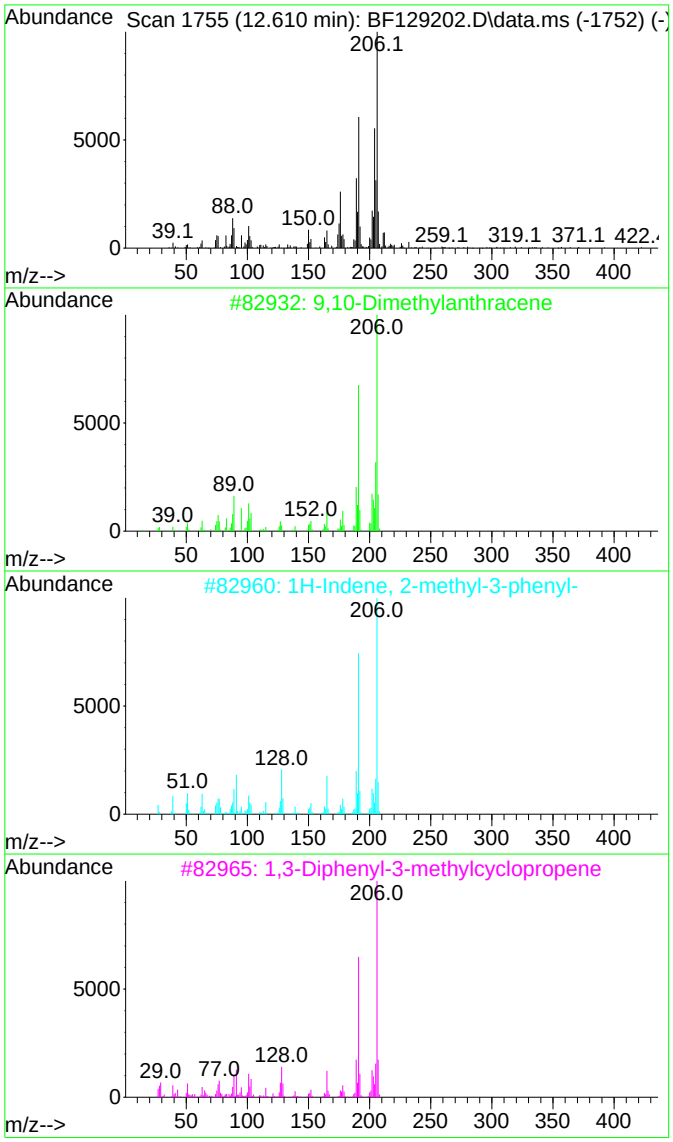
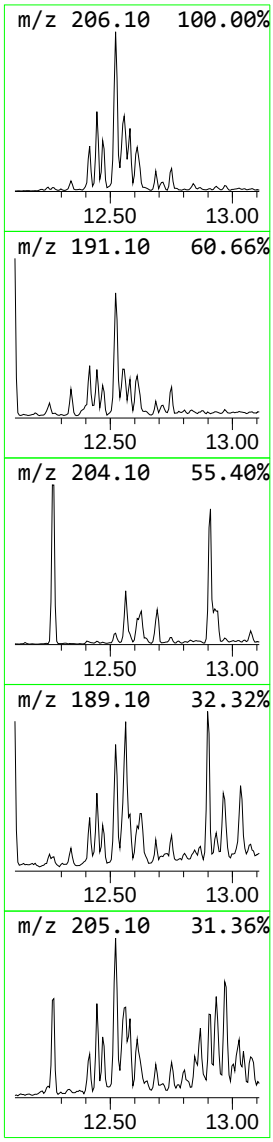
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.610	5.94 ng	449633	Phenanthrene-d10	11.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	86
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	83
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	70
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	70





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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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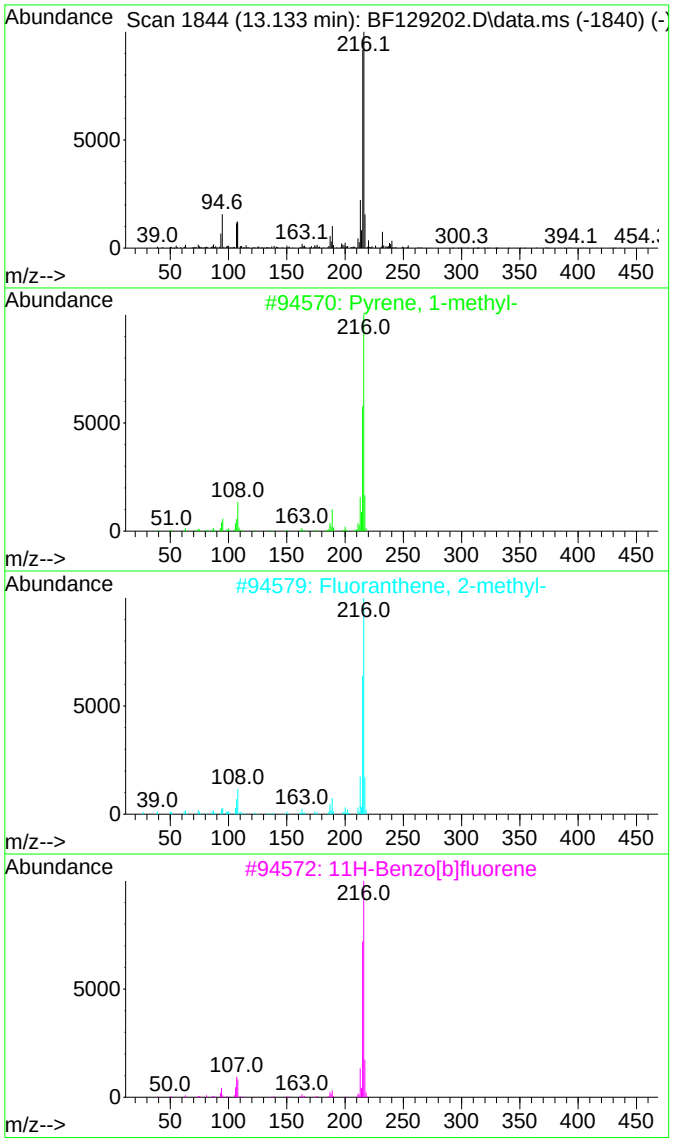
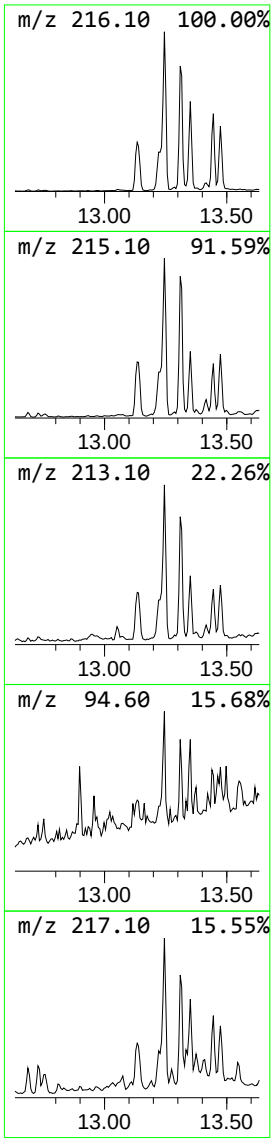
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	4.35 ng	672074	Chrysene-d12	14.121

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Data File : BF129202.D
Acq On : 12 Jul 2022 22:06
Operator : CG\JU
Sample : N3645-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-070822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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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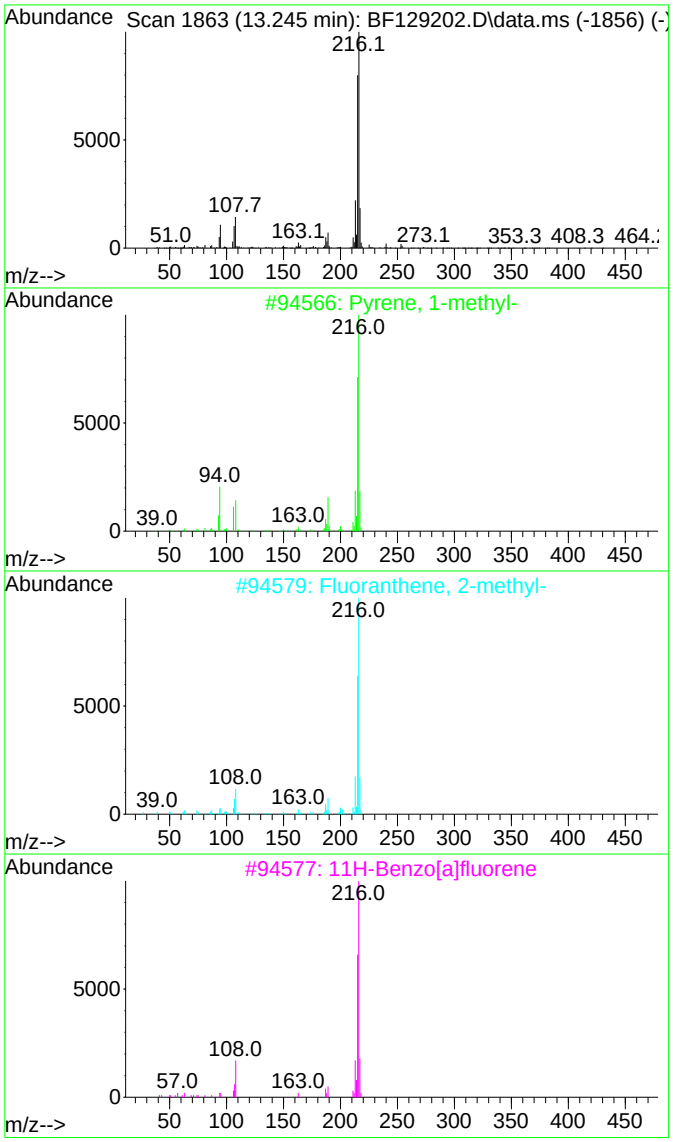
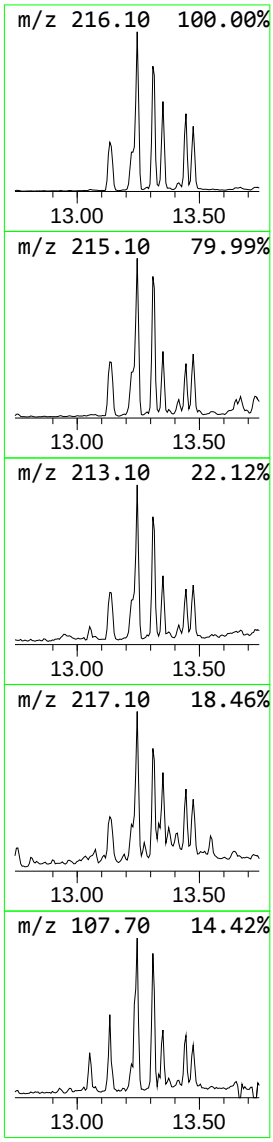
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.245	8.99 ng	1390470	Chrysene-d12	14.121

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
Data File : BF129202.D
Acq On : 12 Jul 2022 22:06
Operator : CG\JU
Sample : N3645-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-070822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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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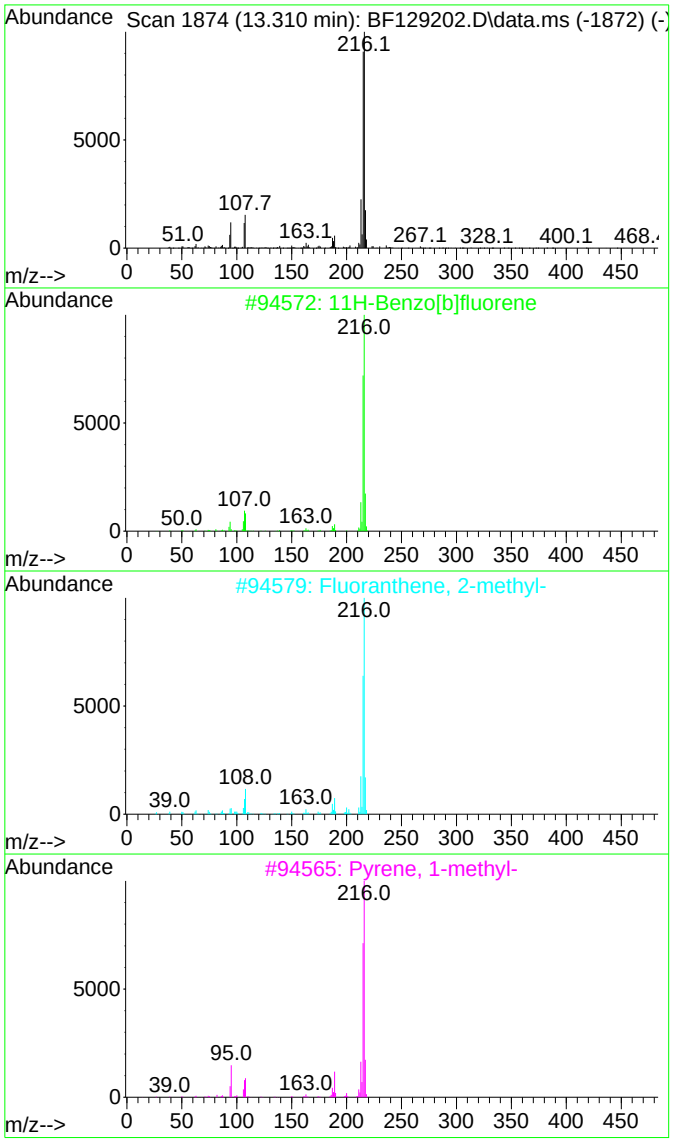
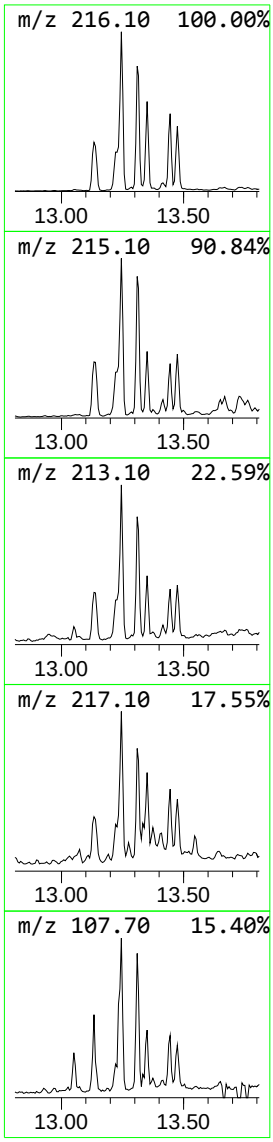
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.310	4.78 ng	739822	Chrysene-d12	14.121

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	.beta.-Carboline, 1,2,3,4-tetrah...	260	C14H16N2O3	029573-11-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
Data File : BF129202.D
Acq On : 12 Jul 2022 22:06
Operator : CG\JU
Sample : N3645-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-070822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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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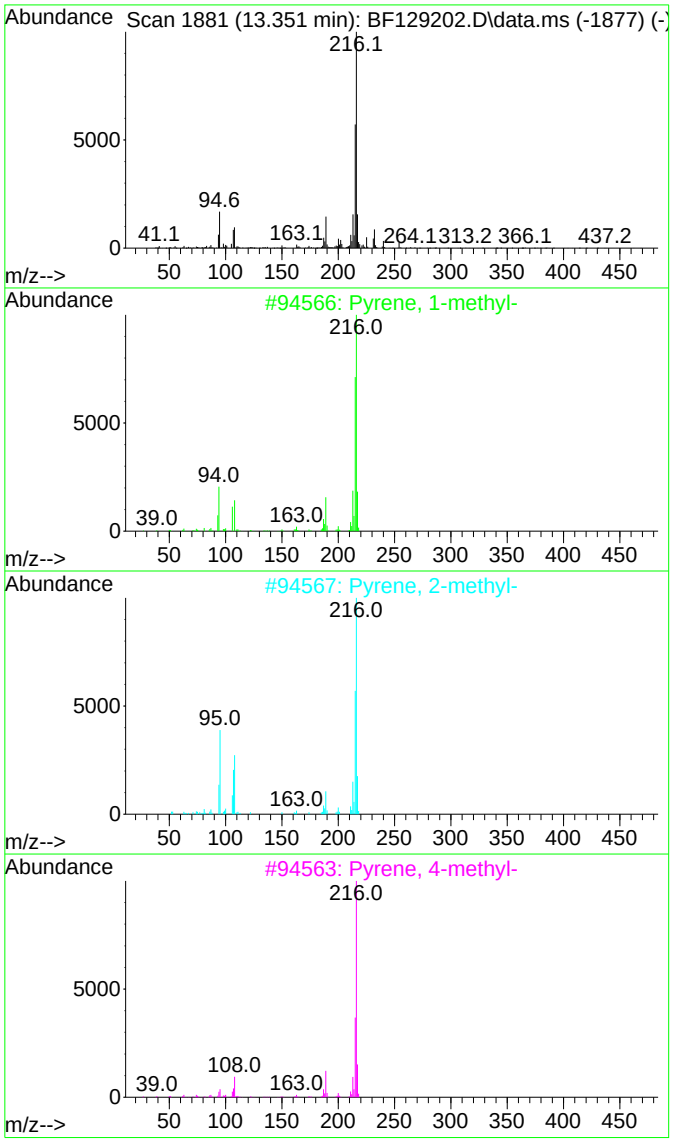
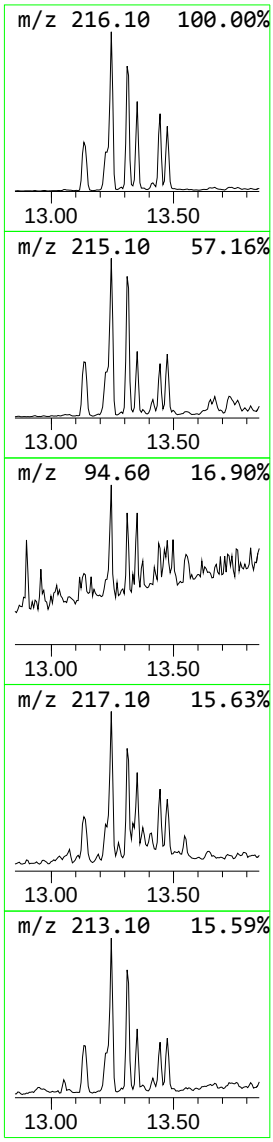
Peak Number 19 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.351	4.04 ng	624674	Chrysene-d12	14.121

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
Data File : BF129202.D
Acq On : 12 Jul 2022 22:06
Operator : CG\JU
Sample : N3645-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-070822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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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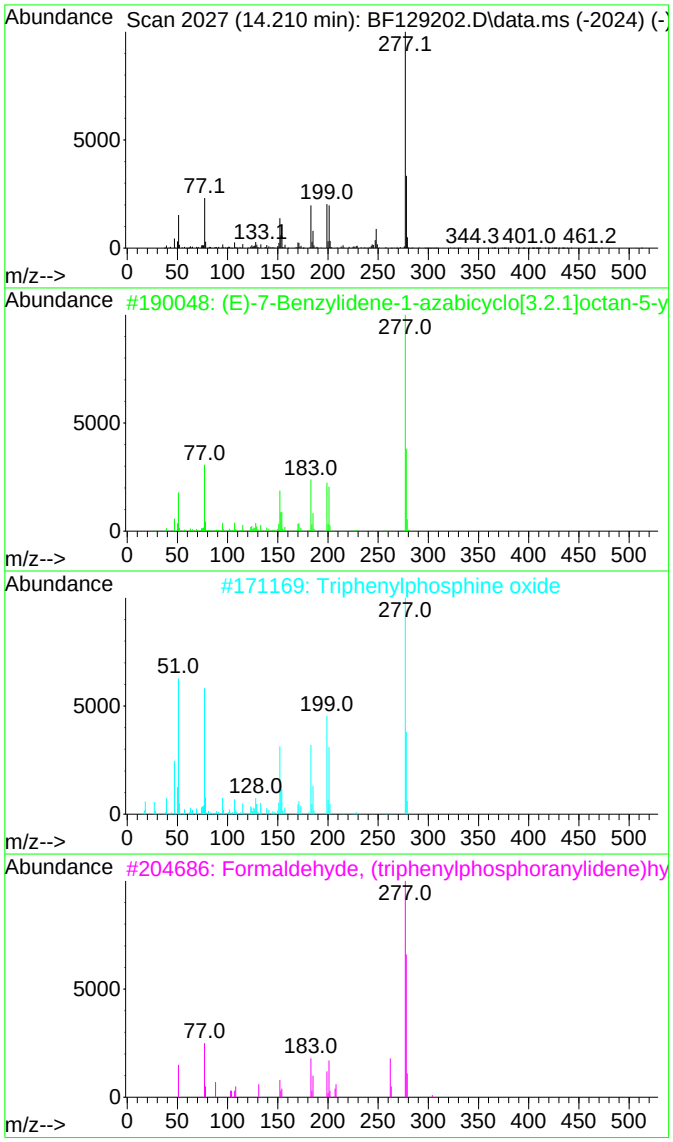
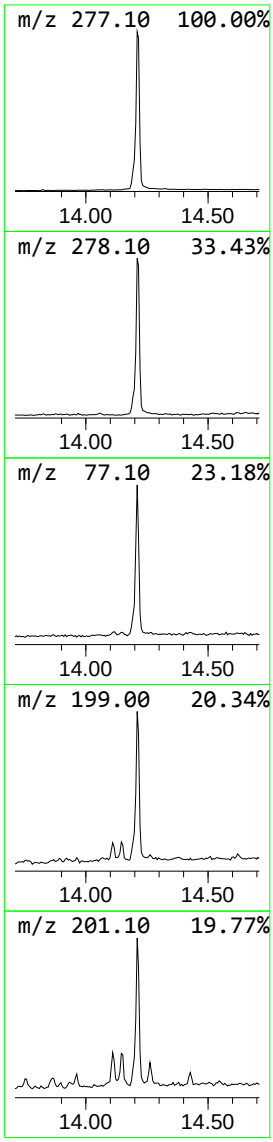
Peak Number 20 (E)-7-Benzylidene-1-azabicy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.210	7.88 ng	1219380	Chrysene-d12	14.121

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	91
2	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	90
3	Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	59
4	5-quinolinol, 8-[2-(3,5-dimethyl...	277	C17H15N3O	1000397-10-2	37
5	Cobalt,(.eta.<5>-2,4-cyclopentad...	277	C16H15BCo	036682-12-9	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
Data File : BF129202.D
Acq On : 12 Jul 2022 22:06
Operator : CG\JU
Sample : N3645-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-070822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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
Naphthalene, 1,...	9.563	4.6	ng	342748	3	9.975	1501830	20.0
Naphthalene, 2,...	9.633	6.5	ng	489954	3	9.975	1501830	20.0
9H-Fluorene, 1-...	11.075	4.9	ng	373390	4	11.469	1515170	20.0
Dibenzothiophene	11.363	7.0	ng	532729	4	11.469	1515170	20.0
1-Methyldibenzo...	11.798	4.2	ng	318555	4	11.469	1515170	20.0
Phenanthrene, 2...	11.969	13.2	ng	998913	4	11.469	1515170	20.0
Phenanthrene, 1...	11.998	15.0	ng	1137230	4	11.469	1515170	20.0
Anthracene, 2-m...	12.045	5.8	ng	440559	4	11.469	1515170	20.0
4H-Cyclopenta[d...	12.086	25.0	ng	1895390	4	11.469	1515170	20.0
Anthracene, 1-m...	12.104	7.7	ng	581074	4	11.469	1515170	20.0
Naphthalene, 2-...	12.263	8.4	ng	633231	4	11.469	1515170	20.0
9,10-Anthracene...	12.292	5.3	ng	404507	4	11.469	1515170	20.0
Phenanthrene, 2...	12.522	12.3	ng	933660	4	11.469	1515170	20.0
Phenanthrene, 1...	12.557	7.0	ng	534286	4	11.469	1515170	20.0
9,10-Dimethylan...	12.610	5.9	ng	449633	4	11.469	1515170	20.0
Pyrene, 1-methyl-	13.133	4.3	ng	672074	5	14.121	3093260	20.0
Fluoranthene, 2...	13.245	9.0	ng	1390470	5	14.121	3093260	20.0
11H-Benzo[b]flu...	13.310	4.8	ng	739822	5	14.121	3093260	20.0
Pyrene, 2-methyl-	13.351	4.0	ng	624674	5	14.121	3093260	20.0
(E)-7-Benzylide...	14.210	7.9	ng	1219380	5	14.121	3093260	20.0