LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130438.D
Acq On : 27 Sep 2022 22:38
Operator : CG\JU
Sample : N4844-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-092622

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-BF091422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130438.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.245	533	537	556	rBV	1728024	1590476	10.18%	0.913%
2	6.286	709	714	729	rBV	1573997	1485808	9.51%	0.853%
3	6.645	771	775	778	rBV	592163	472279	3.02%	0.271%
4	7.210	867	871	874	rVB	1141697	915037	5.86%	0.525%
5	7.928	988	993	994	rBV	654613	573016	3.67%	0.329%
6	7.951	994	997	1000	rVV	2133929	1763784	11.29%	1.013%
7	8.639	1108	1114	1117	rBV	1660133	1282861	8.21%	0.737%
8	8.739	1126	1131	1134	rVB	1349894	1120523	7.17%	0.643%
9	9.004	1172	1176	1179	rVB	2097463	1622199	10.39%	0.931%
10	9.104	1186	1193	1196	rBV	393791	402782	2.58%	0.231%
11	9.269	1215	1221	1224	rBV	595353	775092	4.96%	0.445%
12	9.339	1228	1233	1235	rVV	1054521	1015681	6.50%	0.583%
13	9.363	1235	1237	1242	rVV	672087	584776	3.74%	0.336%
14	9.451	1247	1252	1258	rVV	483979	577766	3.70%	0.332%
15	9.539	1261	1267	1272	rBV	941719	794242	5.08%	0.456%
16	9.674	1284	1290	1293	rBV2	681192	774653	4.96%	0.445%
17	9.710	1293	1296	1300	rVV	1493538	1211489	7.76%	0.696%
18	9.880	1319	1325	1329	rVV	1905123	1831328	11.72%	1.052%
19	9.992	1340	1344	1347	rBV2	379568	415082	2.66%	0.238%
20	10.174	1370	1375	1380	rBV4	162174	333265	2.13%	0.191%
21	10.227	1380	1384	1389	rVV	2774047	2501355	16.01%	1.436%
22	10.286	1389	1394	1396	rVV2	271632	391210	2.50%	0.225%
23	10.380	1407	1410	1418	rVV	652074	685031	4.39%	0.393%
24	10.463	1418	1424	1428	rVV2	1905265	1937598	12.40%	1.113%
25	10.586	1442	1445	1451	rVB3	330651	354381	2.27%	0.203%
26	10.769	1471	1476	1479	rBV2	633431	765003	4.90%	0.439%
27	10.798	1479	1481	1484	rVV	437470	372820	2.39%	0.214%
28	10.898	1493	1498	1500	rBV2	271314	344973	2.21%	0.198%
29	10.969	1507	1510	1514	rVV	1065791	1078721	6.91%	0.619%
30	11.010	1514	1517	1520	rVV	295168	344860	2.21%	0.198%
31	11.057	1520	1525	1532	rVB	1465650	1443876	9.24%	0.829%
32	11.210	1539	1551	1553	rBV	9941955	14945083	95.68%	8.582%
33	11.245	1553	1557	1560	rVV	3382100	3324515	21.28%	1.909%
34	11.269	1560	1561	1564	rVB	565240	443521	2.84%	0.255%
35	11.398	1580	1583	1586	rVB	1754218	1493655	9.56%	0.858%
36	11.457	1591	1593	1596	rVV3	433451	409589	2.62%	0.235%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
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Acq On : 27 Sep 2022 22:38
Operator : CG\JU
Sample : N4844-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-092622

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-BF091422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.492	1596	1599	1603	rVB3	653657	671312	4.30%	0.385%
38	11.574	1608	1613	1616	rVB2	453888	582318	3.73%	0.334%
39	11.668	1624	1629	1631	rBV	2280501	2351306	15.05%	1.350%
40	11.698	1631	1634	1637	rVB	3222886	2768855	17.73%	1.590%
41	11.739	1637	1641	1644	rBV	862699	864361	5.53%	0.496%
42	11.780	1644	1648	1650	rVV	3623285	3836563	24.56%	2.203%
43	11.798	1650	1651	1656	rVB	1783267	1336779	8.56%	0.768%
44	11.957	1675	1678	1681	rVV	1228696	1236135	7.91%	0.710%
45	11.992	1681	1684	1688	rVB	1148811	1110341	7.11%	0.638%
46	12.104	1701	1703	1706	rVV	450006	398401	2.55%	0.229%
47	12.139	1706	1709	1711	rVV	663006	612431	3.92%	0.352%
48	12.163	1711	1713	1716	rVB	474162	398880	2.55%	0.229%
49	12.215	1717	1722	1724	rBV	1565449	1783925	11.42%	1.024%
50	12.251	1724	1728	1730	rVV2	856217	1166370	7.47%	0.670%
51	12.310	1734	1738	1743	rVB2	998354	1314249	8.41%	0.755%
52	12.398	1743	1753	1756	rBV	9034261	15620326	100.00%	8.969%
53	12.439	1759	1760	1763	rVB2	497019	339479	2.17%	0.195%
54	12.527	1770	1775	1777	rBV	954862	984571	6.30%	0.565%
55	12.627	1784	1792	1794	rBV2	8488517	15359526	98.33%	8.820%
56	12.657	1794	1797	1801	rVB2	821669	982296	6.29%	0.564%
57	12.721	1804	1808	1810	rBV2	914113	892021	5.71%	0.512%
58	12.751	1810	1813	1819	rVB2	2676067	3188974	20.42%	1.831%
59	12.827	1819	1826	1829	rBV2	1264994	2025099	12.96%	1.163%
60	12.910	1837	1840	1842	rBV3	971239	1253470	8.02%	0.720%
61	12.933	1842	1844	1847	rVB	2247596	2105719	13.48%	1.209%
62	12.968	1847	1850	1852	rBV2	253467	354488	2.27%	0.204%
63	13.004	1852	1856	1858	rVB	1632573	1525566	9.77%	0.876%
64	13.039	1858	1862	1864	rBV2	1859014	1858285	11.90%	1.067%
65	13.127	1874	1877	1879	rBV	1124804	979150	6.27%	0.562%
66	13.157	1879	1882	1885	rVB	1169092	1030902	6.60%	0.592%
67	13.415	1922	1926	1927	rBV	360652	394550	2.53%	0.227%
68	13.439	1927	1930	1934	rVV	1078225	1221161	7.82%	0.701%
69	13.551	1944	1949	1951	rBV	1465943	1739764	11.14%	0.999%
70	13.580	1951	1954	1956	rVV	1175001	1205684	7.72%	0.692%
71	13.604	1956	1958	1963	rVV3	1010053	1536354	9.84%	0.882%
72	13.651	1963	1966	1969	rVV	963358	971278	6.22%	0.558%
73	13.804	1985	1992	1995	rBV2	5160972	9074966	58.10%	5.211%
74	13.845	1995	1999	2004	rVB	5695010	6437532	41.21%	3.697%
75	13.892	2004	2007	2008	rBV2	325049	323604	2.07%	0.186%
76	13.910	2008	2010	2012	rVB	909425	631374	4.04%	0.363%

LSC Area Percent Report

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Acq On : 27 Sep 2022 22:38
Operator : CG\JU
Sample : N4844-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-092622

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-BF091422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.951	2014	2017	2018	rBV	453228	387130	2.48%	0.222%
78	13.992	2023	2024	2026	rVV	462561	360279	2.31%	0.207%
79	14.015	2026	2028	2029	rVV	377329	340351	2.18%	0.195%
80	14.033	2029	2031	2033	rVV	581023	506168	3.24%	0.291%
81	14.151	2048	2051	2053	rVV	630574	694606	4.45%	0.399%
82	14.186	2053	2057	2060	rVV	1505766	1947670	12.47%	1.118%
83	14.221	2060	2063	2066	rVV	949275	996434	6.38%	0.572%
84	14.257	2067	2069	2070	rVV2	368591	354698	2.27%	0.204%
85	14.280	2070	2073	2076	rVV2	794770	1022969	6.55%	0.587%
86	14.309	2076	2078	2080	rVV	914774	922257	5.90%	0.530%
87	14.333	2080	2082	2085	rVV	869373	775633	4.97%	0.445%
88	14.380	2085	2090	2096	rVB4	456086	749110	4.80%	0.430%
89	14.562	2118	2121	2124	rBV2	232447	326961	2.09%	0.188%
90	14.662	2135	2138	2144	rVB2	387236	490398	3.14%	0.282%
91	14.821	2158	2165	2168	rBV	3349164	6744777	43.18%	3.873%
92	14.909	2177	2180	2183	rVB	755118	668201	4.28%	0.384%
93	15.092	2206	2211	2216	rVB	1937793	2624733	16.80%	1.507%
94	15.156	2216	2222	2225	rVB	3103239	3987145	25.53%	2.289%
95	15.198	2226	2229	2231	rBV	373269	427196	2.73%	0.245%
96	15.233	2231	2235	2240	rVB2	1030213	1337161	8.56%	0.768%
97	16.545	2450	2458	2463	rVB2	1202185	2413370	15.45%	1.386%
98	16.686	2477	2482	2486	rBV	295950	525951	3.37%	0.302%
99	16.950	2519	2527	2535	rVB	915118	2012716	12.89%	1.156%
100	17.145	2556	2560	2573	rVB2	291140	687498	4.40%	0.395%

Sum of corrected areas: 174150107

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
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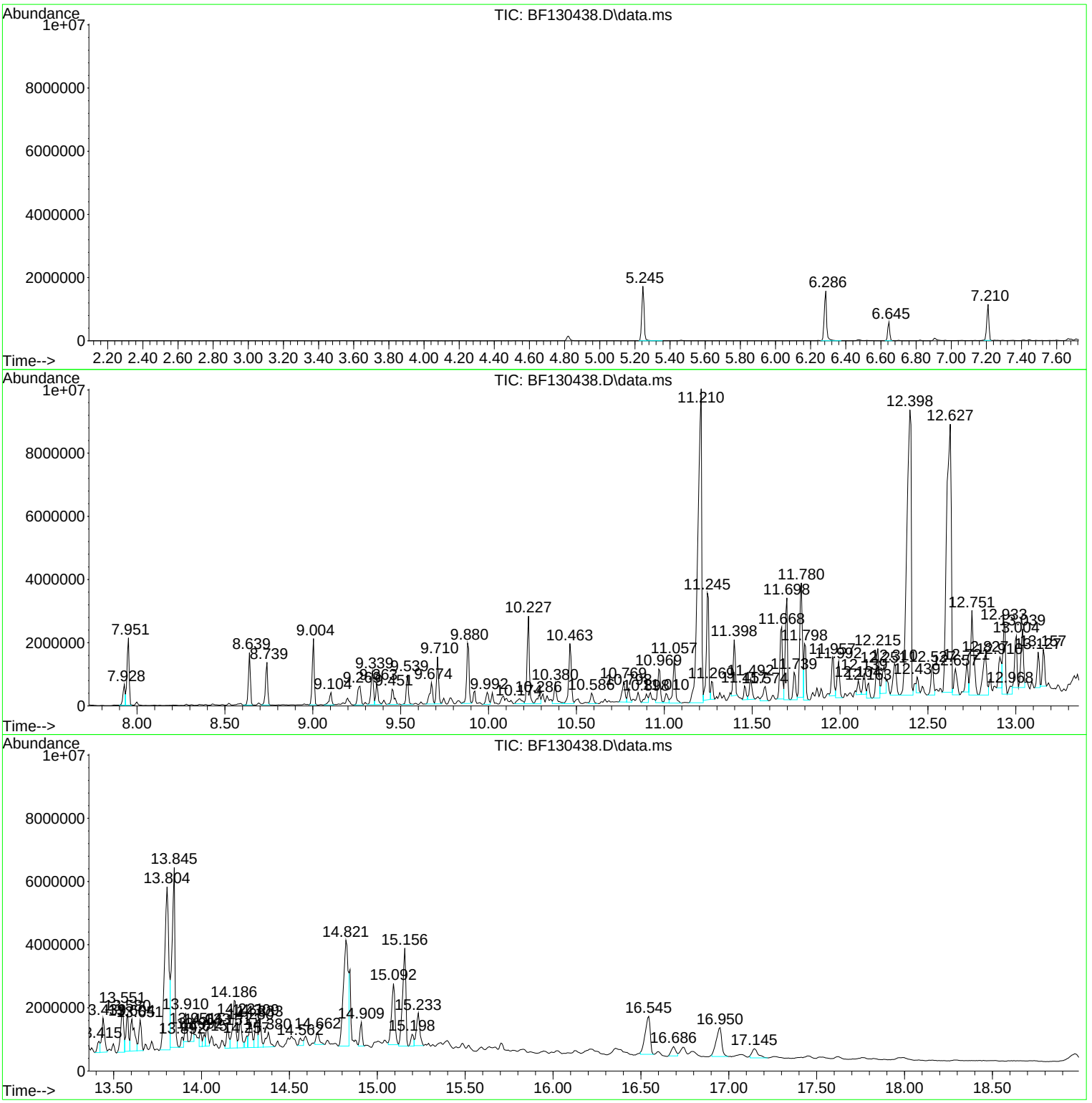
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-092622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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\BF092722\
Data File : BF130438.D
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Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

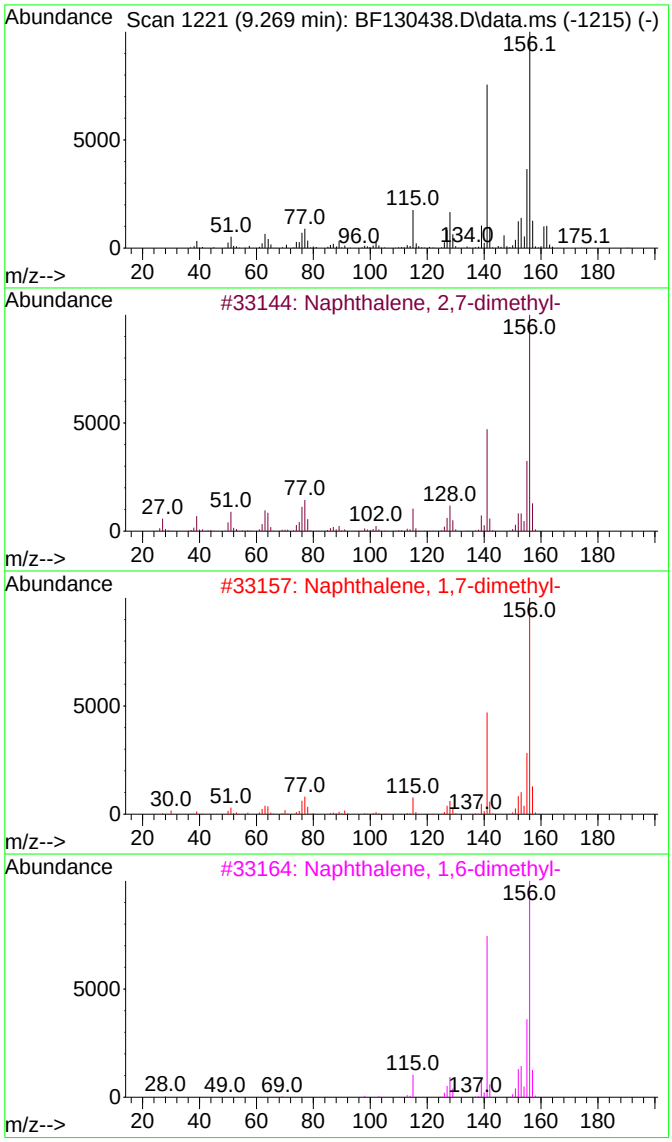
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

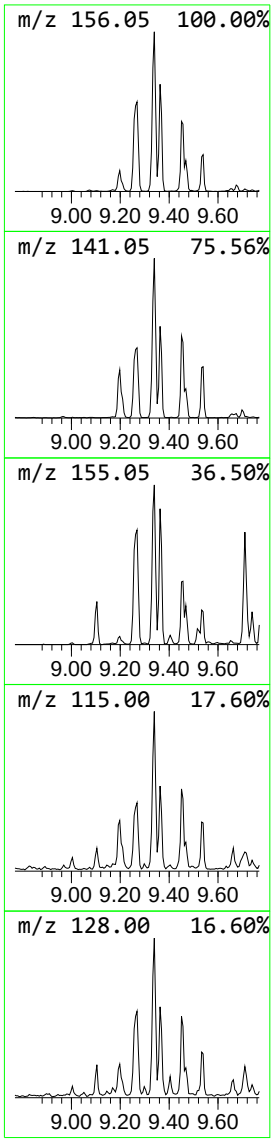
****

Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.269	20.01 ng	775092	Acenaphthene-d10	9.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130438.D
Acq On : 27 Sep 2022 22:38
Operator : CG\JU
Sample : N4844-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-092622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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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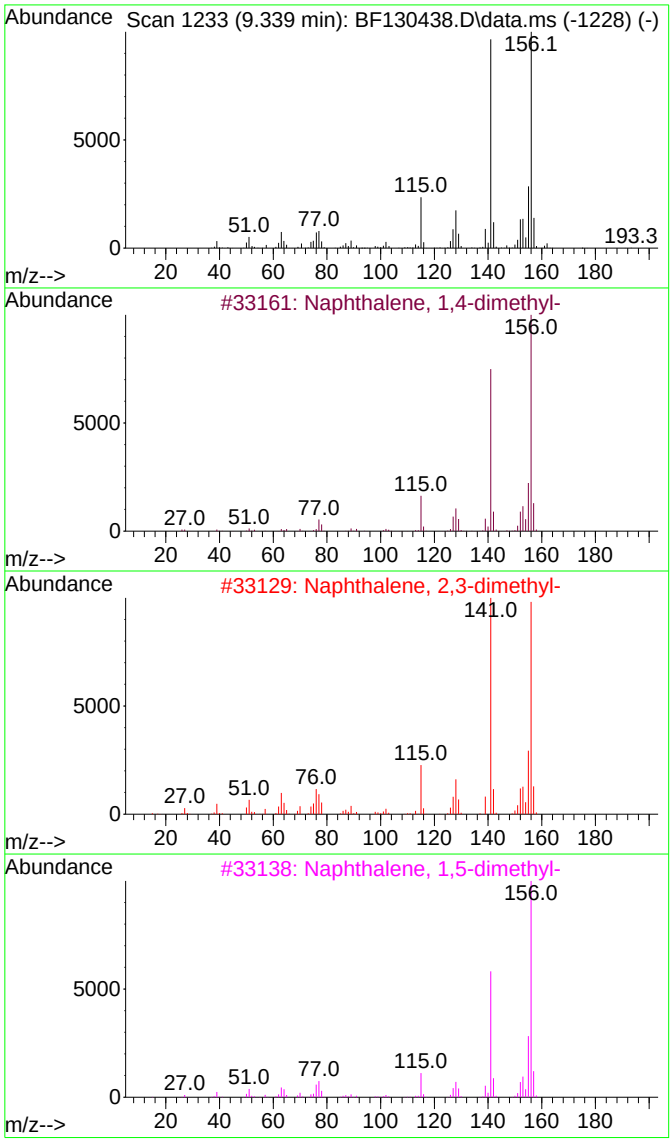
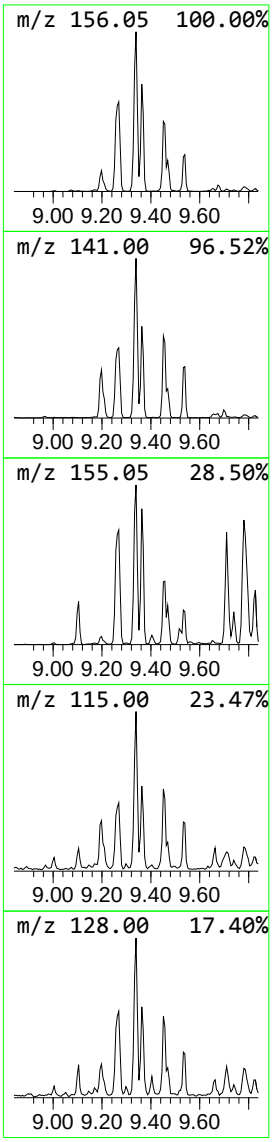
Peak Number 2 Naphthalene, 1,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.339	26.22 ng	1015680	Acenaphthene-d10	9.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130438.D
Acq On : 27 Sep 2022 22:38
Operator : CG\JU
Sample : N4844-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-092622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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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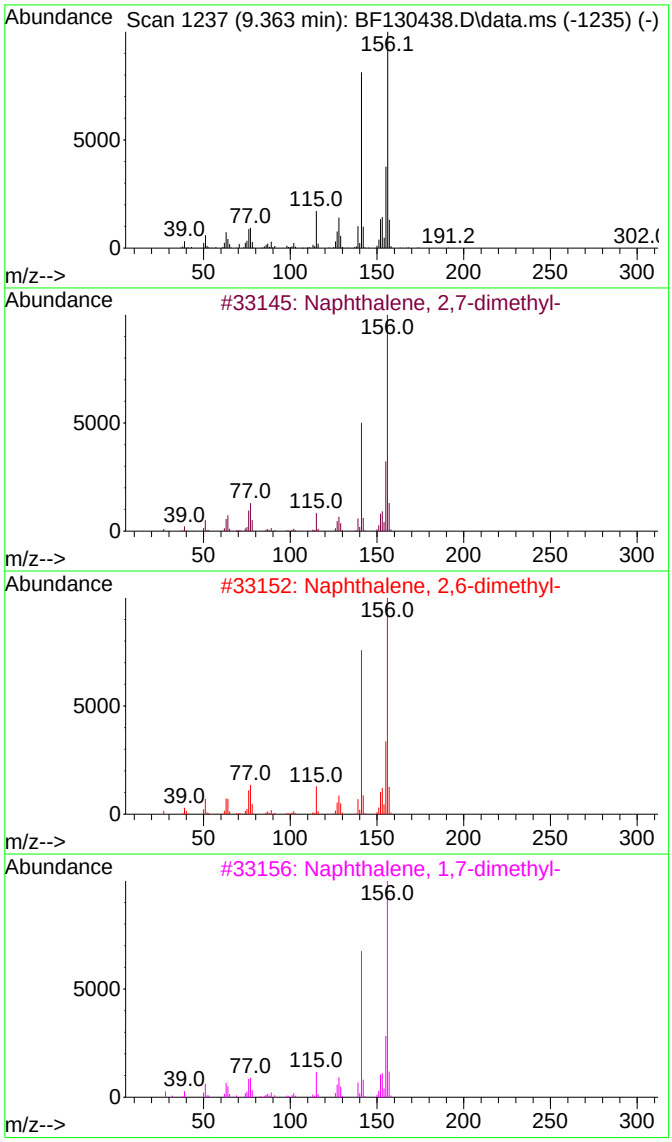
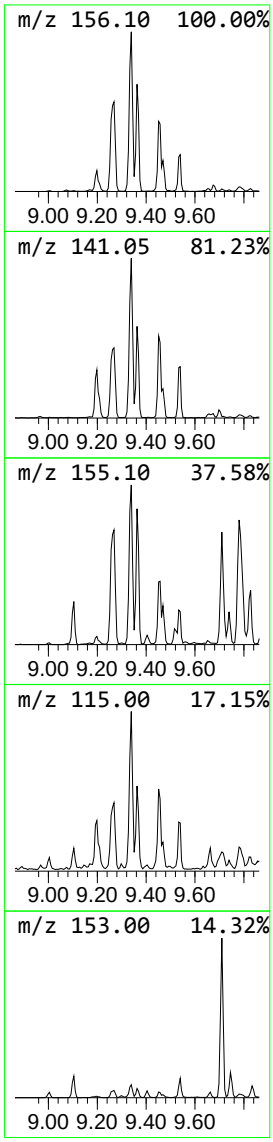
Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.363	15.10 ng	584776	Acenaphthene-d10	9.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130438.D
Acq On : 27 Sep 2022 22:38
Operator : CG\JU
Sample : N4844-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-092622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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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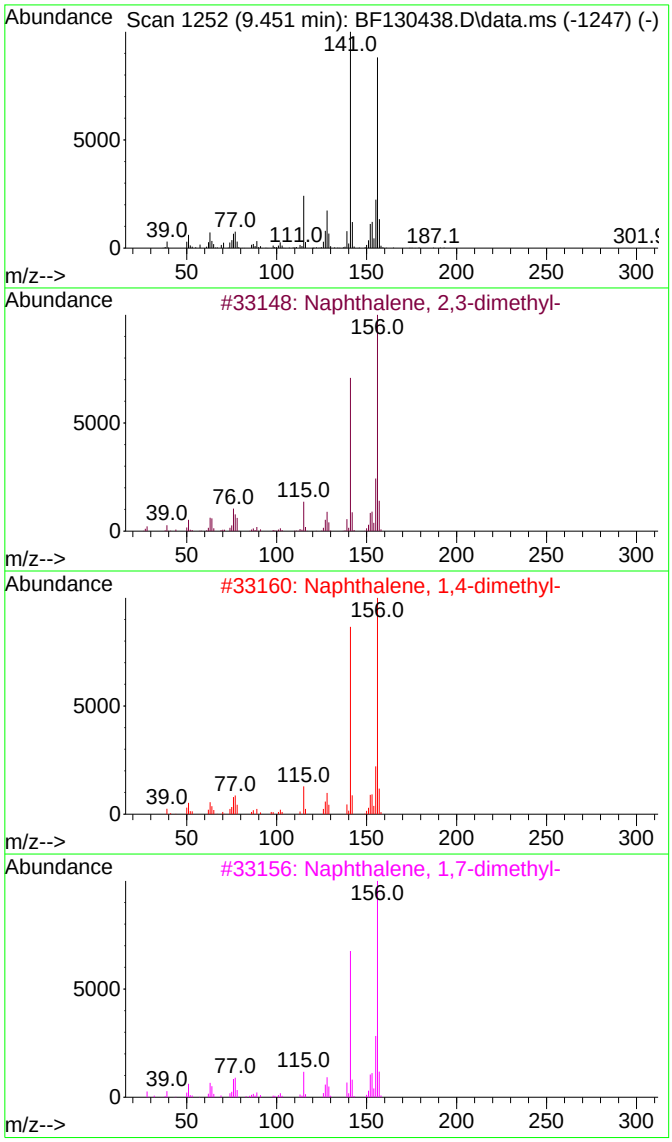
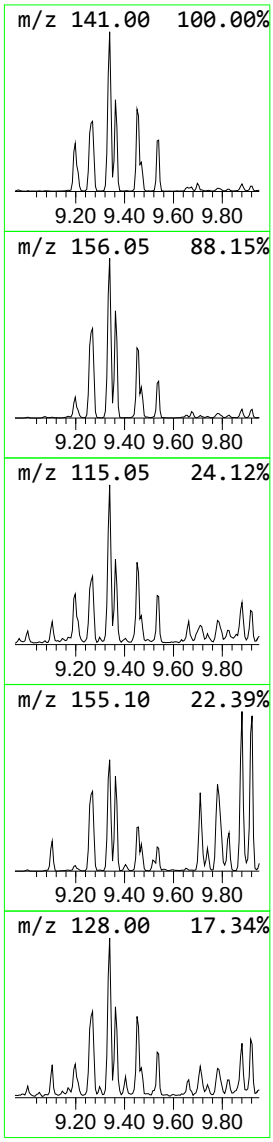
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.451	14.92 ng	577766	Acenaphthene-d10	9.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130438.D
Acq On : 27 Sep 2022 22:38
Operator : CG\JU
Sample : N4844-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-092622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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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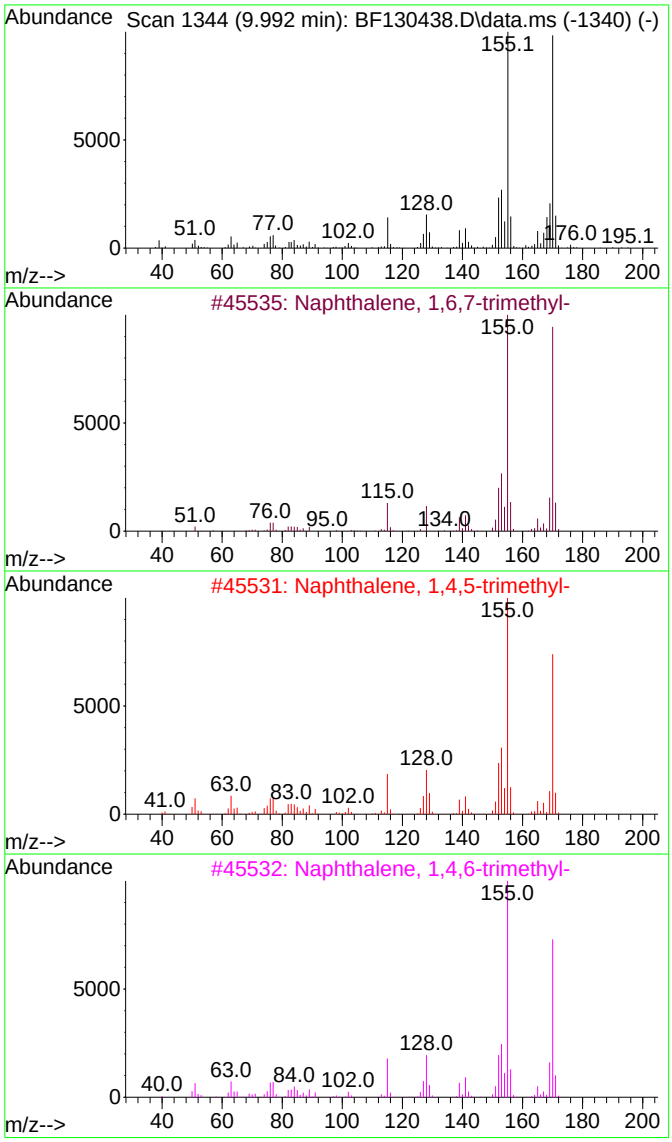
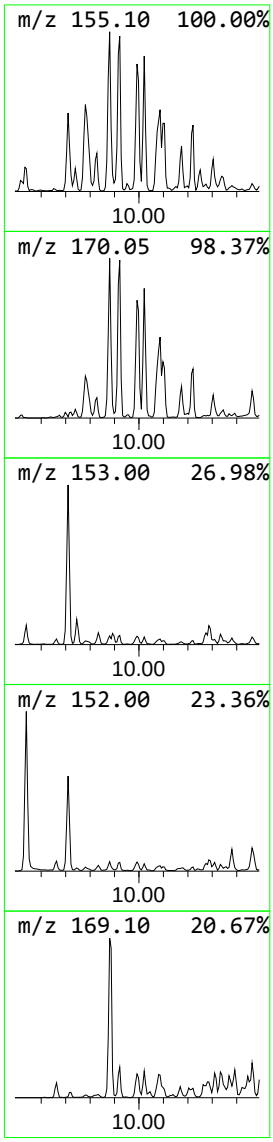
Peak Number 5 Naphthalene, 1,6,7-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.992	10.72 ng	415082	Acenaphthene-d10	9.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





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Acq On : 27 Sep 2022 22:38
Operator : CG\JU
Sample : N4844-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :
SU-04-092622

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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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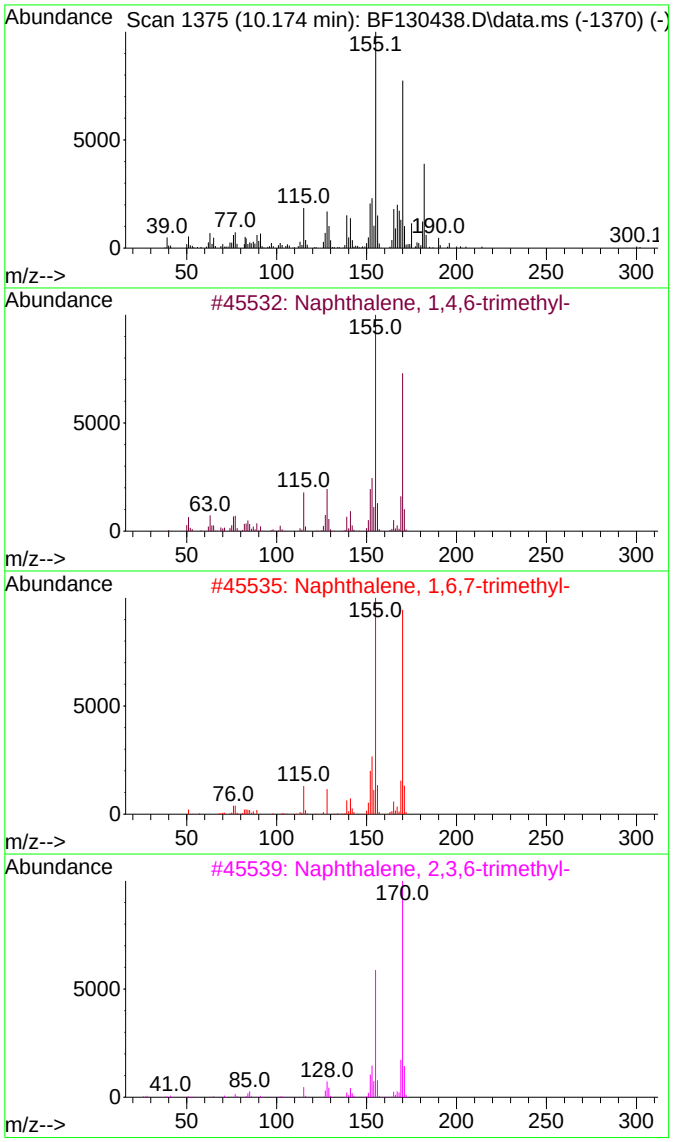
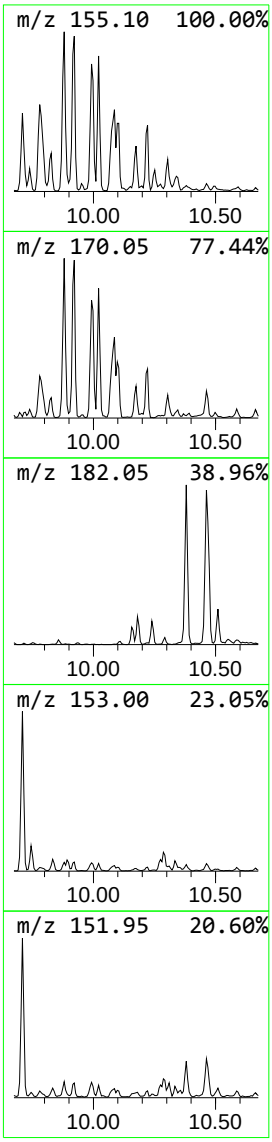
Peak Number 6 Naphthalene, 1,4,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.175	8.60 ng	333265	Acenaphthene-d10	9.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	92
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	89





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ALS Vial : 19 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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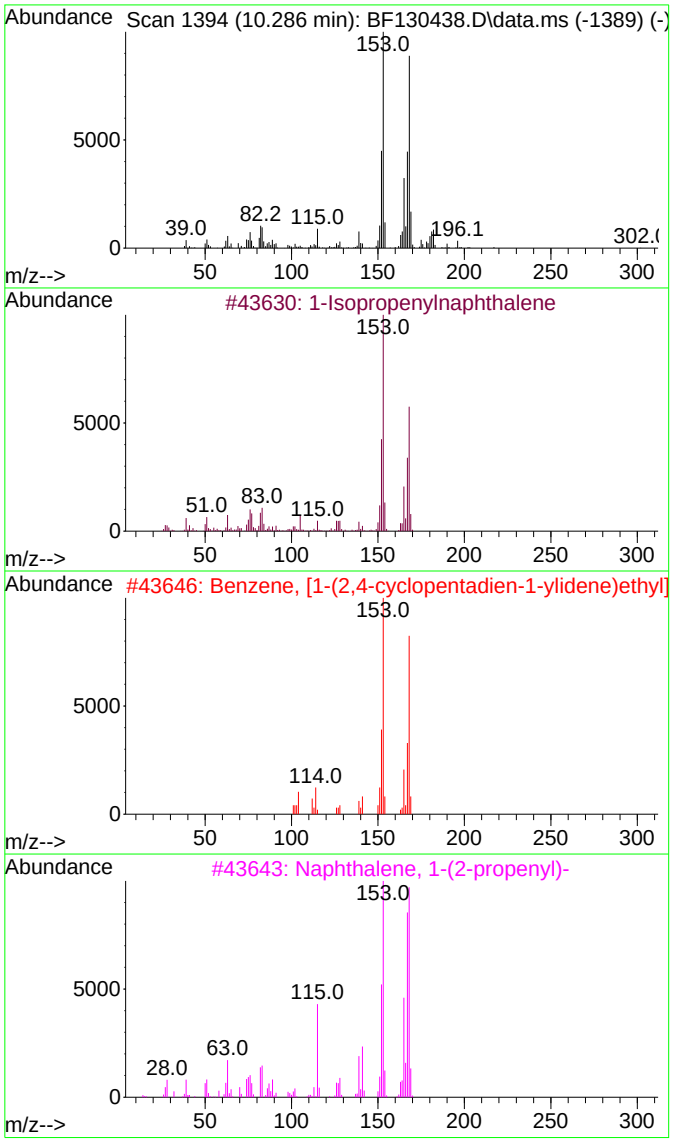
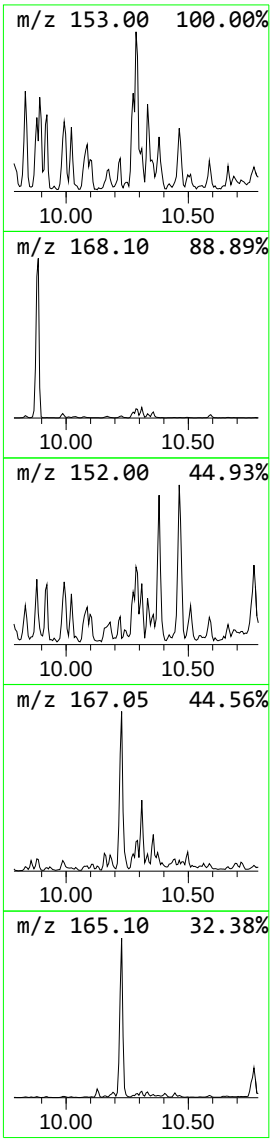
Peak Number 7 1-Isopropenylnaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.286	10.10 ng	391210	Acenaphthene-d10	9.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	93
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50





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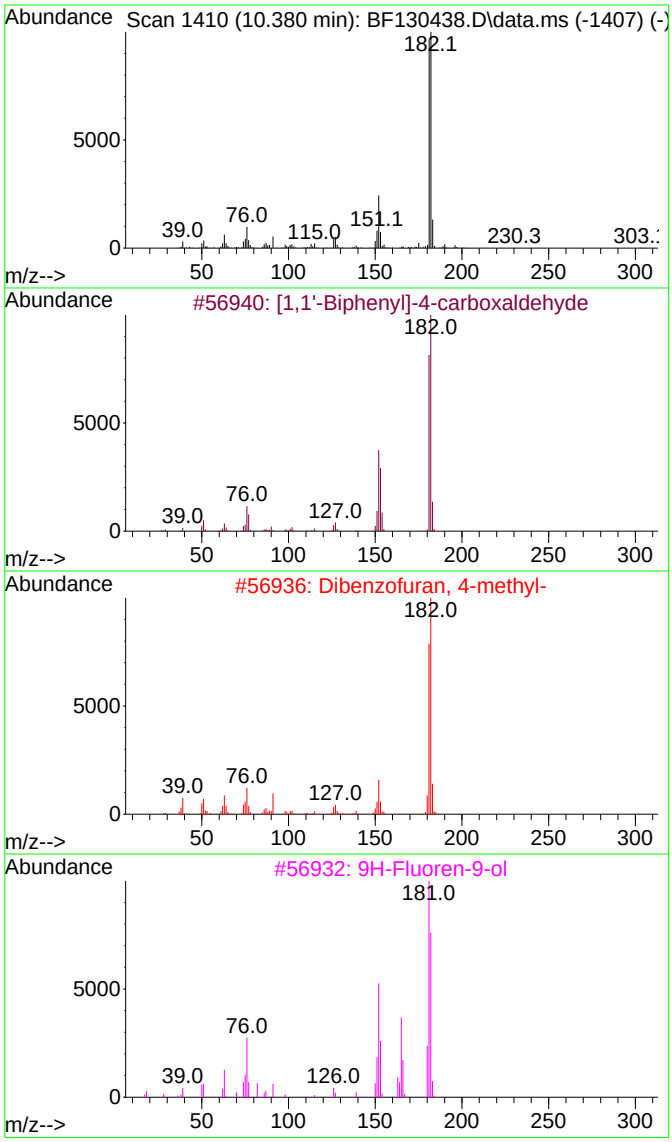
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

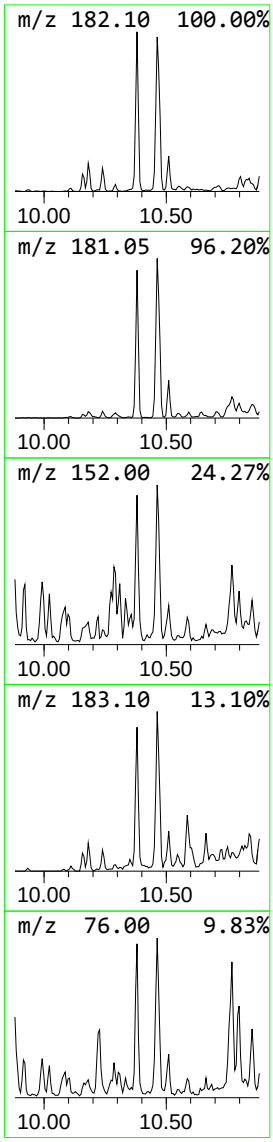
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.380	17.69 ng	685031	Acenaphthene-d10	9.674

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	72





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Misc :
ALS Vial : 19 Sample Multiplier: 1

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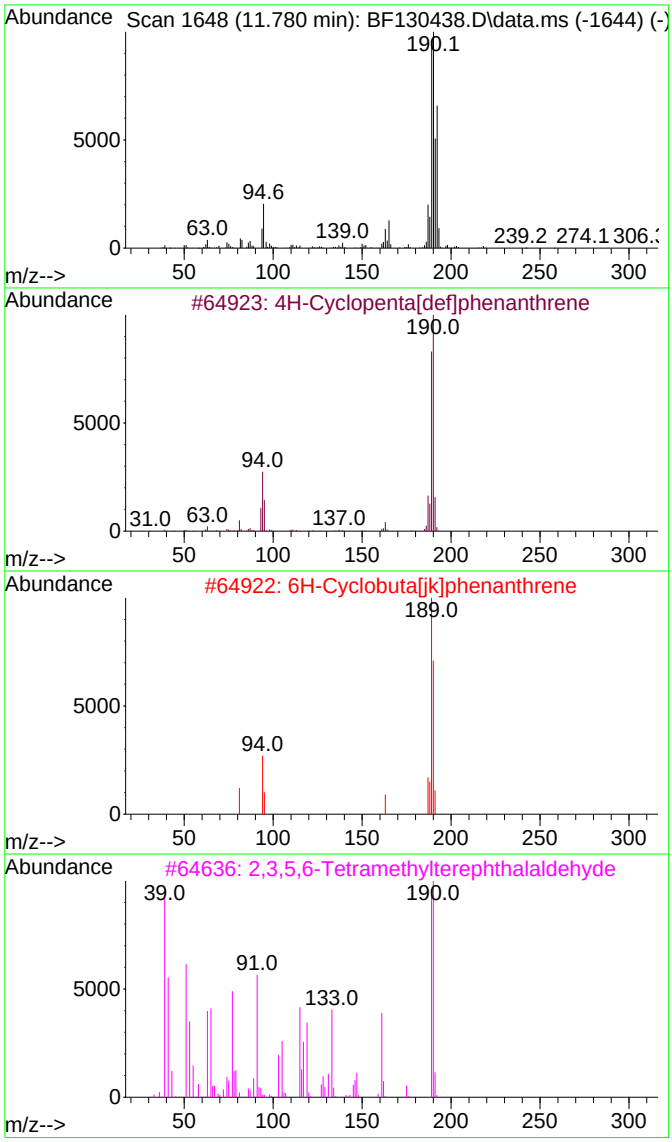
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

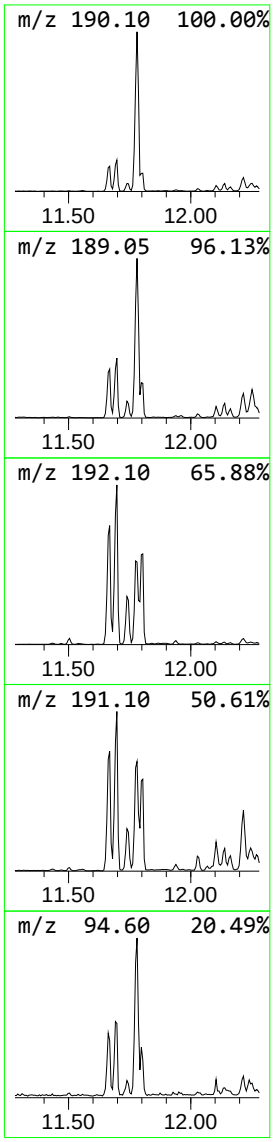
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.780	5.13 ng	3836560	Phenanthrene-d10	11.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30





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Misc :
ALS Vial : 19 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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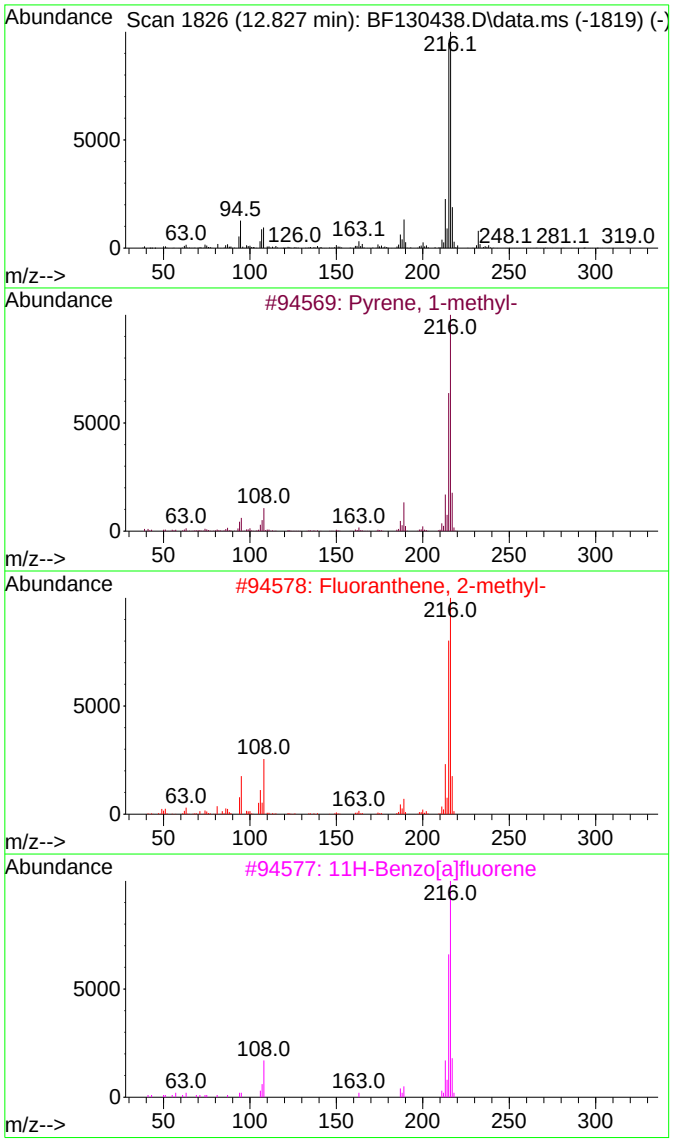
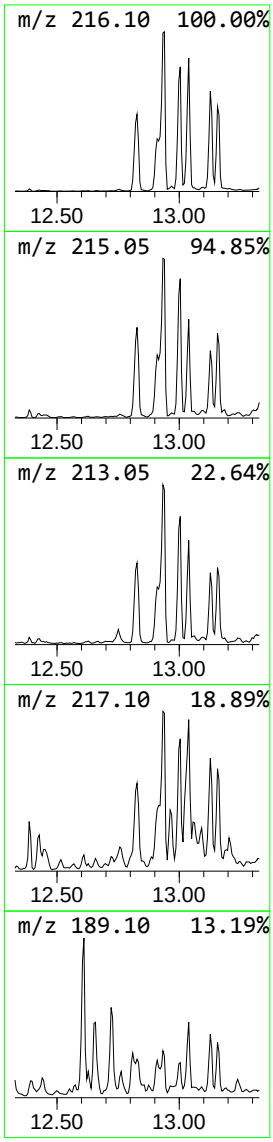
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.827	4.46 ng	2025100	Chrysene-d12	13.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Misc :
ALS Vial : 19 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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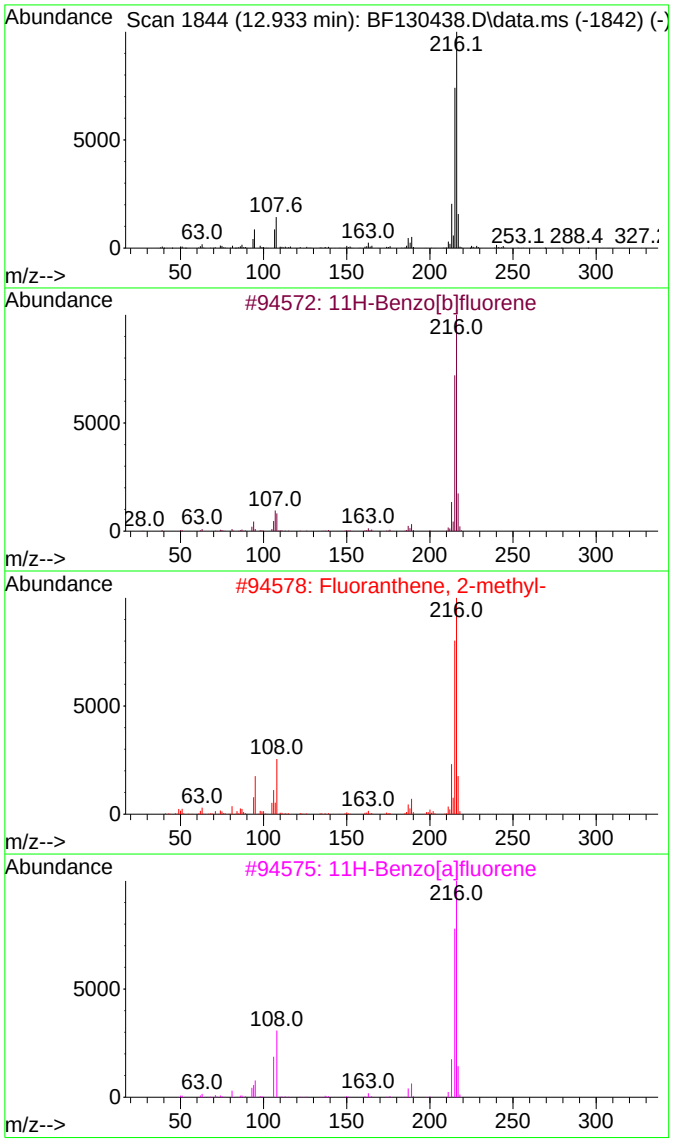
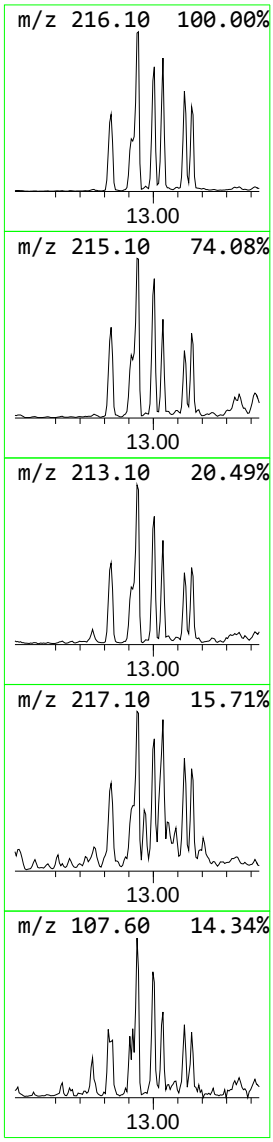
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.933	4.64 ng	2105720	Chrysene-d12	13.810

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	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Operator : CG\JU
Sample : N4844-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-04-092622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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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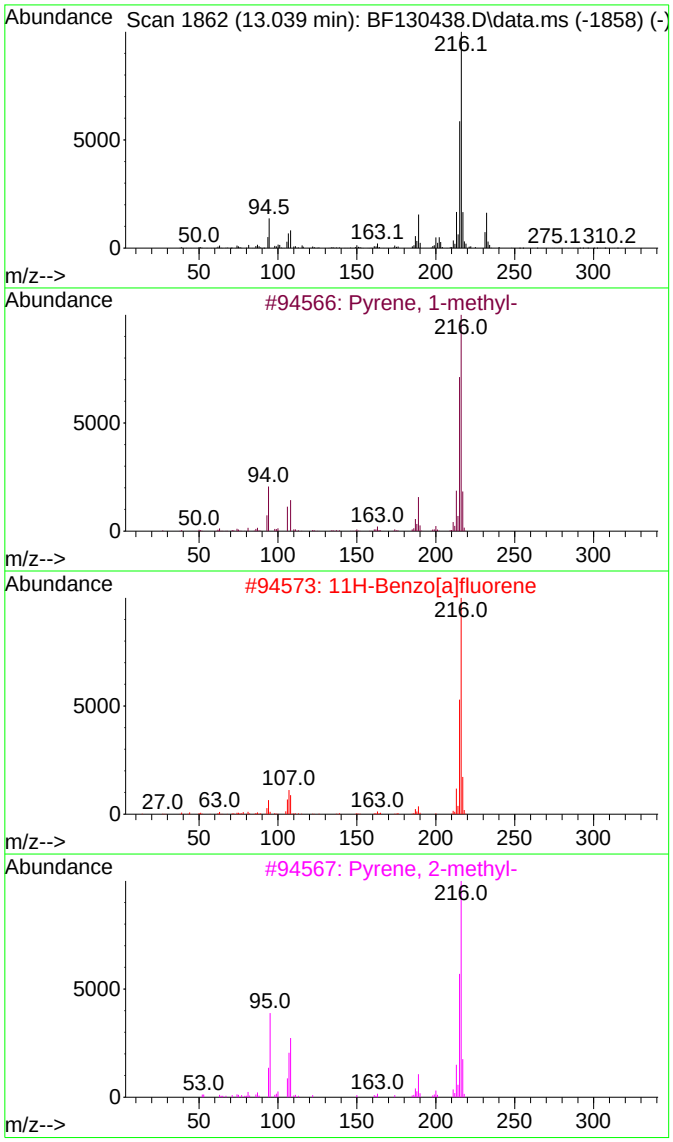
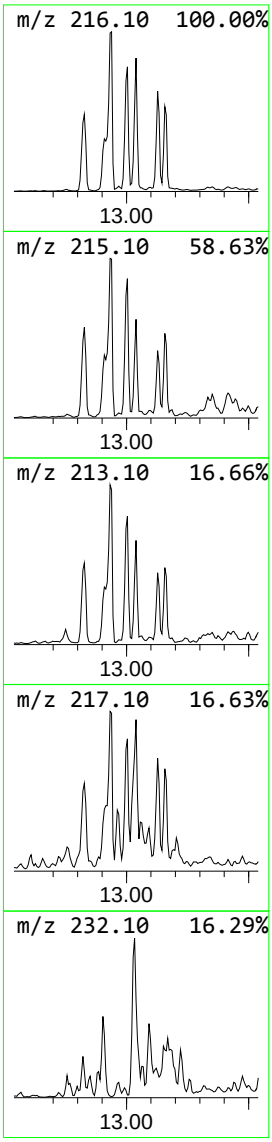
Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.039	4.10 ng	1858290	Chrysene-d12	13.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





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Misc :
ALS Vial : 19 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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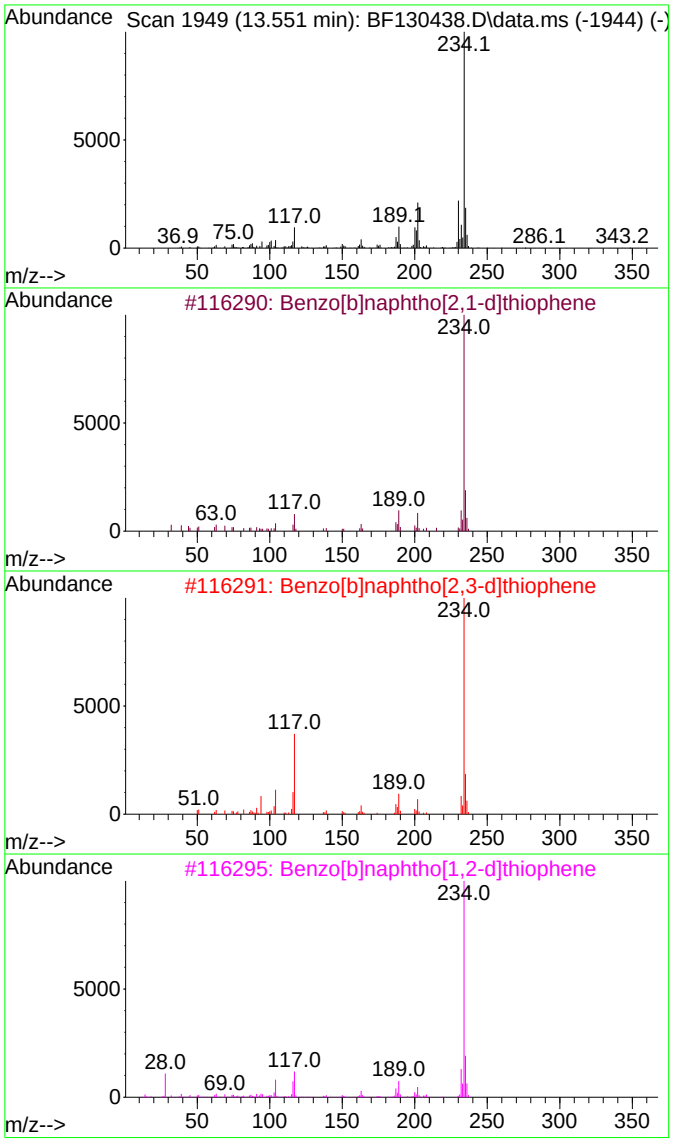
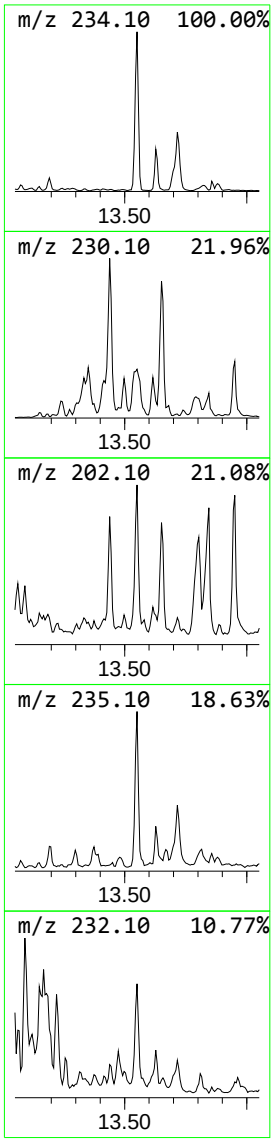
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.551	3.83 ng	1739760	Chrysene-d12	13.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	76
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	70
4	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	47
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	47





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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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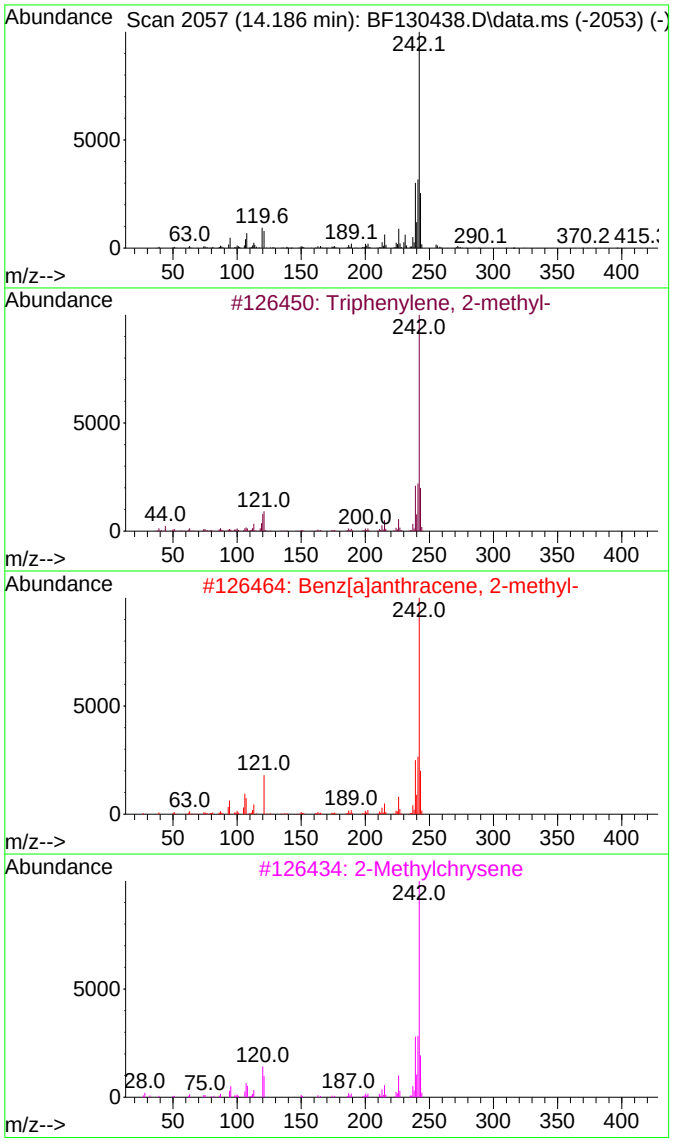
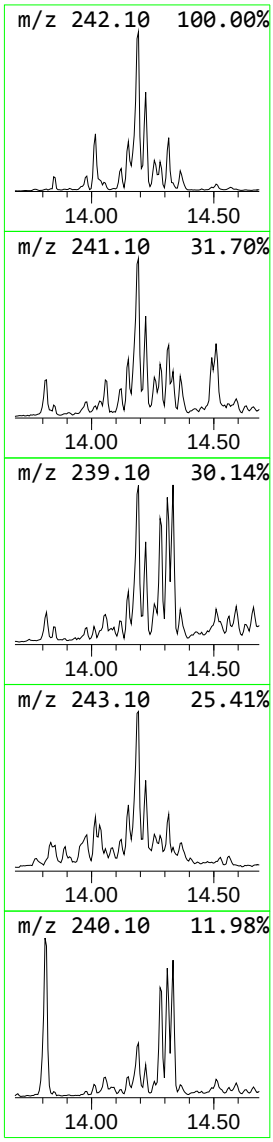
Peak Number 14 Triphenylene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.186	4.29 ng	1947670	Chrysene-d12	13.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	95
3	2-Methylchrysene	242	C19H14	003351-32-4	95
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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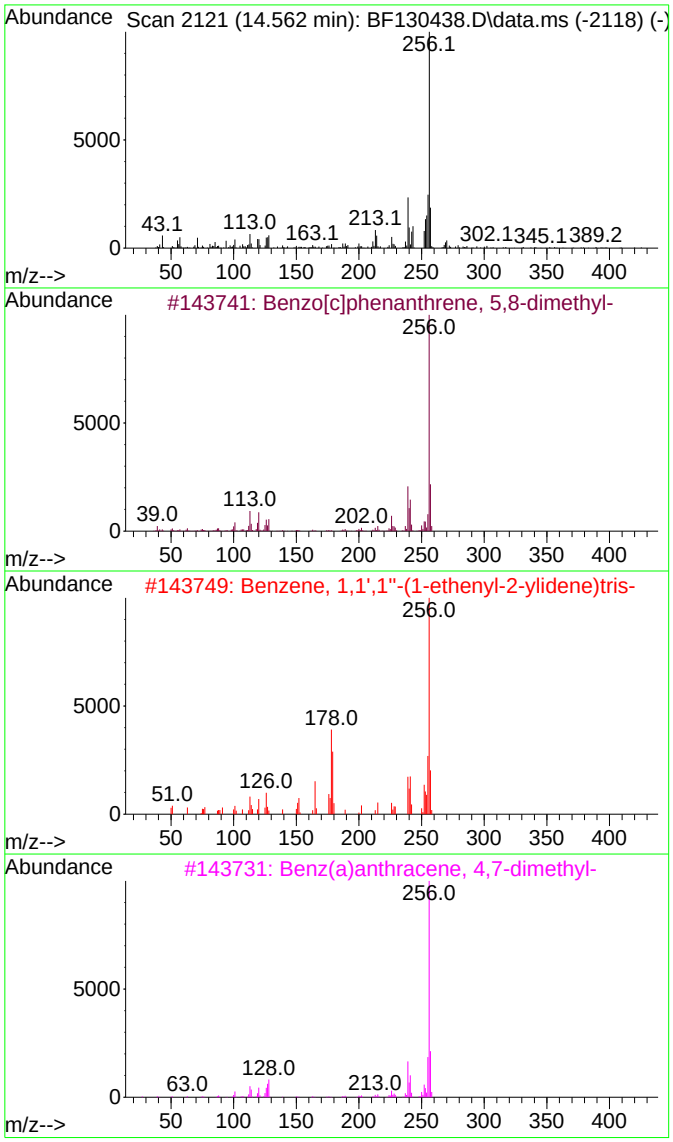
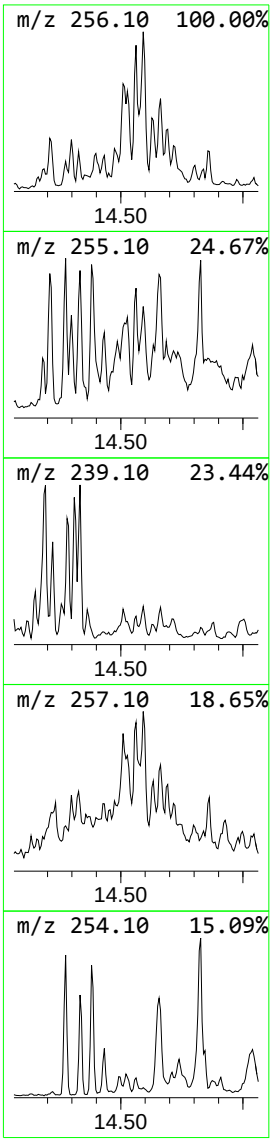
Peak Number 15 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.562	15.31 ng	326961	Perylene-d12	15.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	76
2	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	74
3	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	70
4	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	70
5	Phenol, 4,4'-methylenebis[2,6-di...	256	C17H20O2	005384-21-4	68





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TIC Library : C:\Database\NIST20.L
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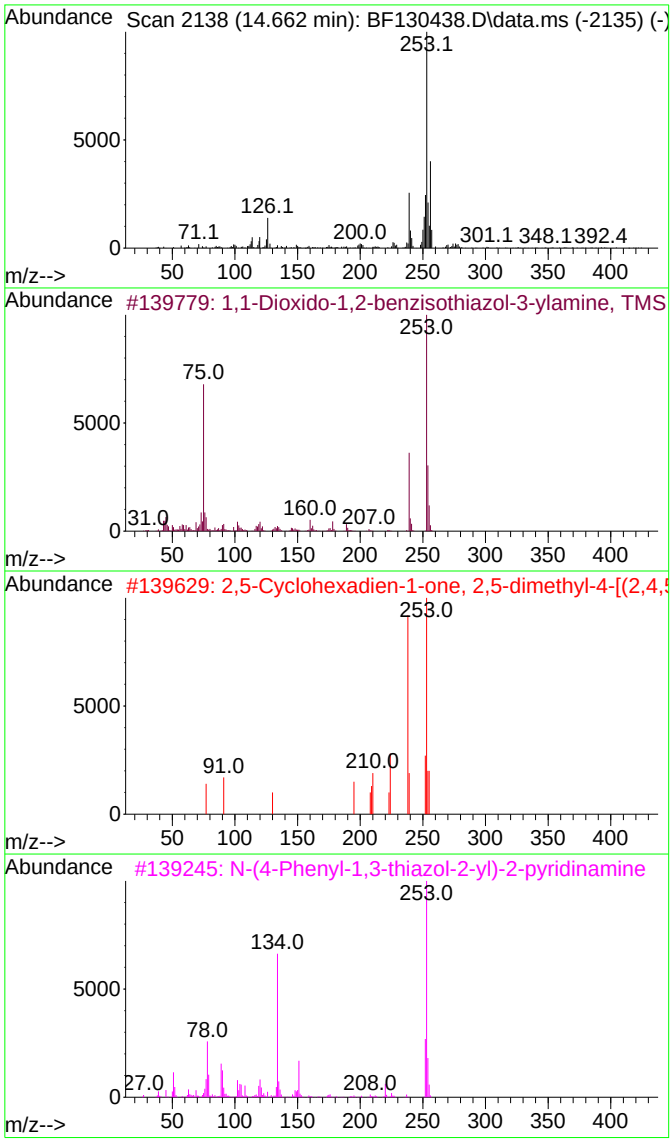
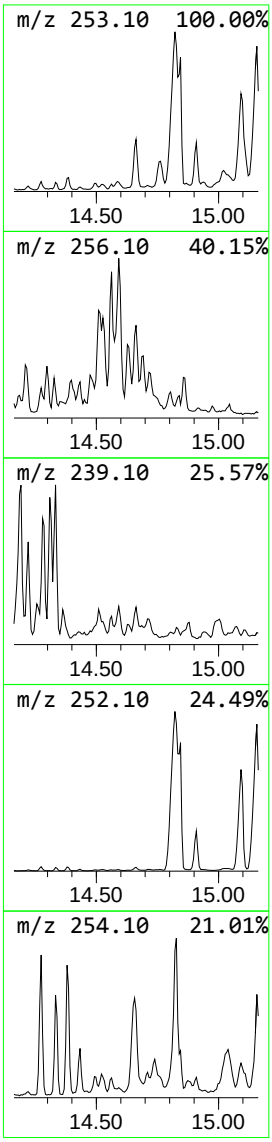
Peak Number 16 unknown14.662 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.662	22.96 ng	490398	Perylene-d12	15.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Dioxido-1,2-benzisothiazol-3...	254	C10H14N2O2SSi	1000479-94-7	49
2	2,5-Cyclohexadien-1-one, 2,5-dim...	253	C17H19NO	054245-93-1	47
3	N-(4-Phenyl-1,3-thiazol-2-yl)-2-...	253	C14H11N3S	1000485-04-5	47
4	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	43
5	2-Propen-1-one, 3-(4-nitrophenyl...	253	C15H11NO3	001222-98-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130438.D
Acq On : 27 Sep 2022 22:38
Operator : CG\JU
Sample : N4844-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-092622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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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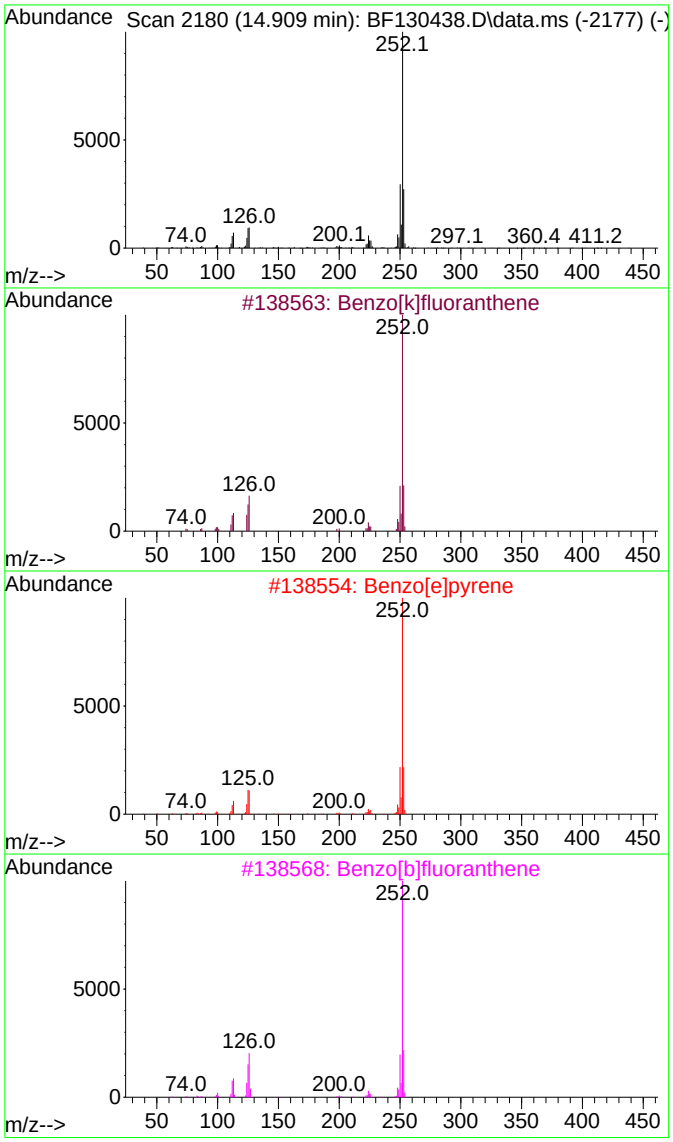
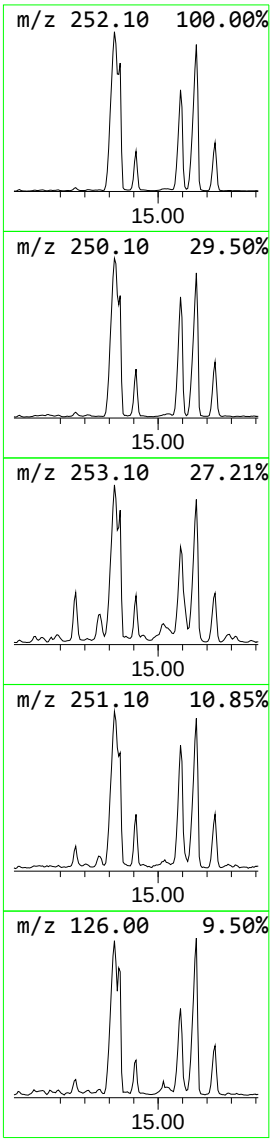
Peak Number 17 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.909	31.28 ng	668201	Perylene-d12	15.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130438.D
Acq On : 27 Sep 2022 22:38
Operator : CG\JU
Sample : N4844-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-092622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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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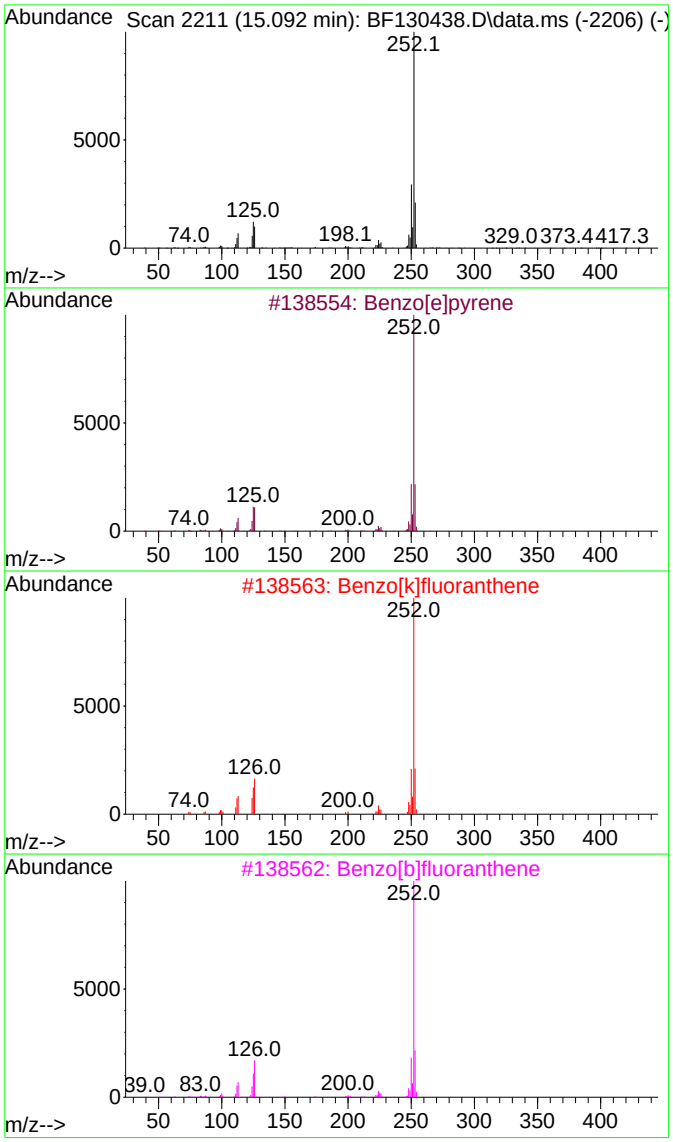
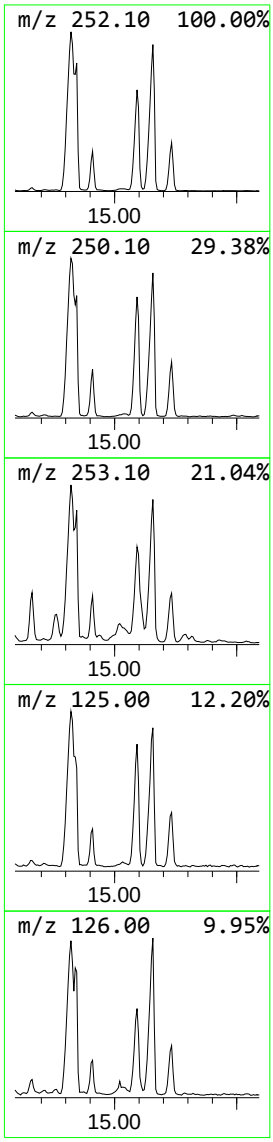
Peak Number 18 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.092	122.88 ng	2624730	Perylene-d12	15.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Perylene	252	C20H12	000198-55-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130438.D
Acq On : 27 Sep 2022 22:38
Operator : CG\JU
Sample : N4844-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-092622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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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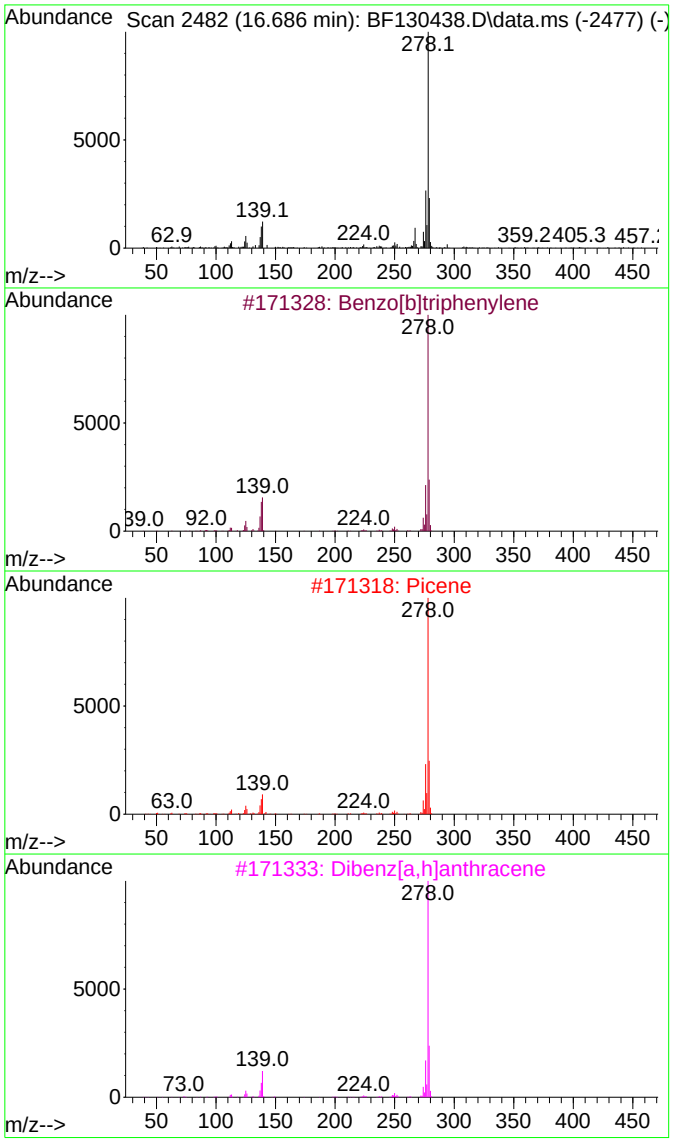
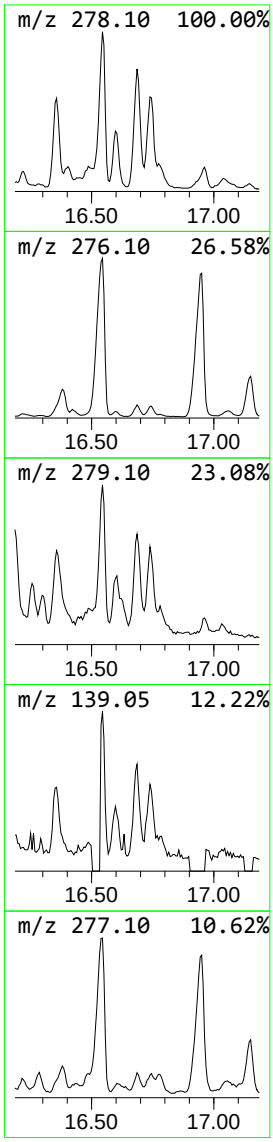
Peak Number 19 Benzo[b]triphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.686	24.62 ng	525951	Perylene-d12	15.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	95
5	Benzo[b]chrysene	278	C22H14	000214-17-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
Data File : BF130438.D
Acq On : 27 Sep 2022 22:38
Operator : CG\JU
Sample : N4844-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-092622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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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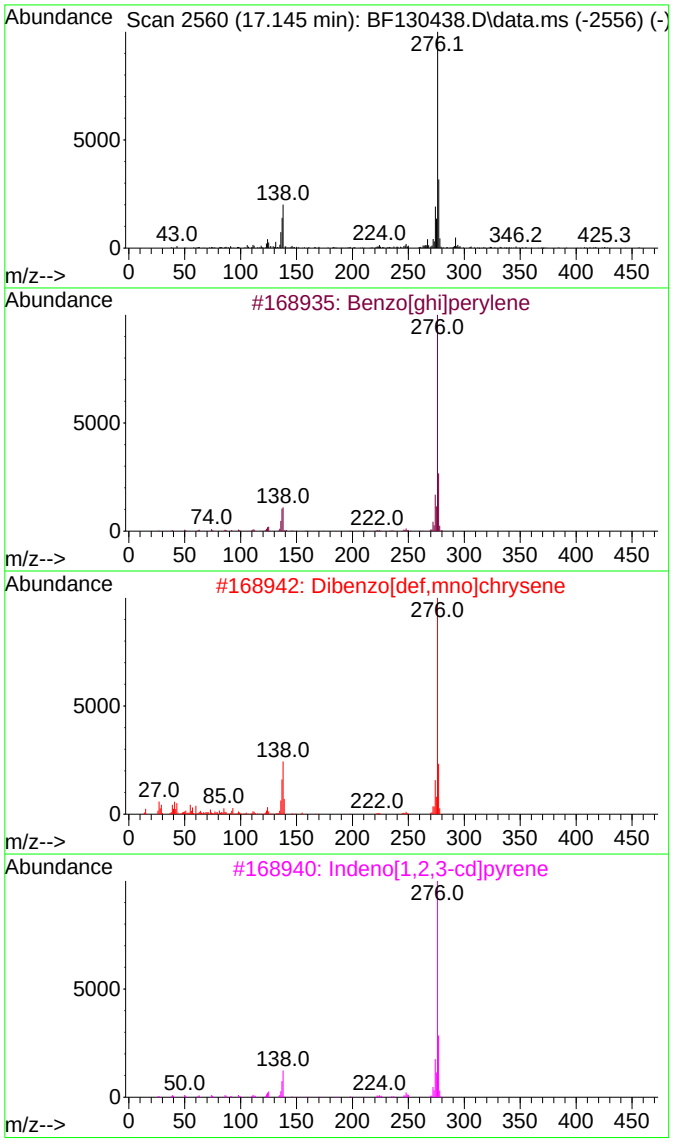
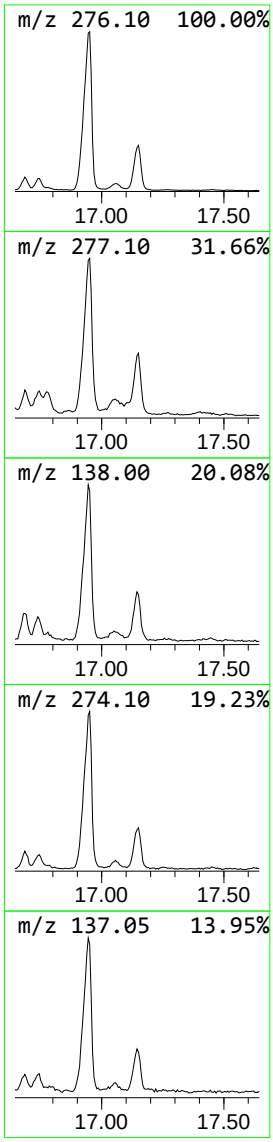
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.145	32.19 ng	687498	Perylene-d12	15.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
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\BF092722\
Data File : BF130438.D
Acq On : 27 Sep 2022 22:38
Operator : CG\JU
Sample : N4844-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-092622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.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, 2,...	9.269	20.0	ng	775092	3	9.674	774653	20.0
Naphthalene, 1,...	9.339	26.2	ng	1015680	3	9.674	774653	20.0
Naphthalene, 2,...	9.363	15.1	ng	584776	3	9.674	774653	20.0
Naphthalene, 2,...	9.451	14.9	ng	577766	3	9.674	774653	20.0
Naphthalene, 1,...	9.992	10.7	ng	415082	3	9.674	774653	20.0
Naphthalene, 1,...	10.175	8.6	ng	333265	3	9.674	774653	20.0
1-Isopropenylna...	10.286	10.1	ng	391210	3	9.674	774653	20.0
[1,1'-Biphenyl]...	10.380	17.7	ng	685031	3	9.674	774653	20.0
4H-Cyclopenta[d...	11.780	5.1	ng	3836560	4	11.163	14945100	20.0
Pyrene, 1-methyl-	12.827	4.5	ng	2025100	5	13.810	9074970	20.0
11H-Benzo[b]flu...	12.933	4.6	ng	2105720	5	13.810	9074970	20.0
11H-Benzo[a]flu...	13.039	4.1	ng	1858290	5	13.810	9074970	20.0
Benzo[b]naphtho...	13.551	3.8	ng	1739760	5	13.810	9074970	20.0
Triphenylene, 2...	14.186	4.3	ng	1947670	5	13.810	9074970	20.0
Benzo[c]phenant...	14.562	15.3	ng	326961	6	15.198	427196	20.0
unknown14.662	14.662	23.0	ng	490398	6	15.198	427196	20.0
Benzo[e]pyrene	14.909	31.3	ng	668201	6	15.198	427196	20.0
Benzo[j]fluoran...	15.092	122.9	ng	2624730	6	15.198	427196	20.0
Benzo[b]triphen...	16.686	24.6	ng	525951	6	15.198	427196	20.0
Dibenzo[def,mno...	17.145	32.2	ng	687498	6	15.198	427196	20.0