LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
Data File : BF120492.D
Acq On : 2 Jun 2020 14:02
Operator : JU/CG
Sample : L2814-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-052920

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-BF052820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.093	29	35	44	rVB	594576	752786	5.62%	0.387%
2	5.463	603	608	611	rBV	1970592	1777778	13.28%	0.915%
3	6.475	776	780	783	rBV	2046129	1764235	13.18%	0.908%
4	6.845	839	843	846	rBV	1303679	1055667	7.89%	0.543%
5	6.998	865	869	872	rBV	2008106	1595831	11.92%	0.821%
6	7.404	929	938	941	rBV	1256881	1173565	8.77%	0.604%
7	8.128	1055	1061	1063	rBV	1507054	1488235	11.12%	0.766%
8	8.145	1063	1064	1067	rVB	1066814	728105	5.44%	0.375%
9	8.839	1179	1182	1185	rVB	827376	640132	4.78%	0.329%
10	8.939	1194	1199	1203	rBV	648918	557779	4.17%	0.287%
11	9.198	1239	1243	1246	rBV	2613166	2115647	15.80%	1.089%
12	9.469	1282	1289	1292	rBV	384382	525880	3.93%	0.271%
13	9.539	1297	1301	1303	rVV	638348	598735	4.47%	0.308%
14	9.880	1357	1359	1362	rVV	1556505	1251962	9.35%	0.644%
15	9.916	1362	1365	1368	rVV	2383616	1931646	14.43%	0.994%
16	10.086	1390	1394	1397	rVB	1662141	1418732	10.60%	0.730%
17	10.433	1448	1453	1457	rVB	2769920	2651628	19.81%	1.364%
18	10.586	1476	1479	1482	rVB	818735	679591	5.08%	0.350%
19	10.669	1487	1493	1497	rVV	1949642	2002819	14.96%	1.031%
20	10.792	1509	1514	1518	rVB4	359182	580377	4.34%	0.299%
21	10.974	1539	1545	1548	rVV2	740269	950940	7.10%	0.489%
22	11.104	1562	1567	1569	rVV2	400608	526631	3.93%	0.271%
23	11.127	1569	1571	1576	rVV	491514	578507	4.32%	0.298%
24	11.216	1583	1586	1591	rVV2	466843	698147	5.22%	0.359%
25	11.263	1591	1594	1600	rVB	1059866	1041399	7.78%	0.536%
26	11.374	1606	1613	1614	rBV	1060288	1354357	10.12%	0.697%
27	11.410	1614	1619	1621	rVV	6732366	9084485	67.86%	4.674%
28	11.451	1621	1626	1629	rVV	4524580	4633915	34.61%	2.384%
29	11.598	1648	1651	1653	rVV	1059827	883562	6.60%	0.455%
30	11.663	1659	1662	1665	rVV	616266	549466	4.10%	0.283%
31	11.874	1692	1698	1700	rBV	2152758	2042880	15.26%	1.051%
32	11.904	1700	1703	1706	rVB	2826762	2505710	18.72%	1.289%
33	11.951	1706	1711	1714	rBV	1520977	1414821	10.57%	0.728%
34	11.992	1714	1718	1720	rVV	3608596	4360956	32.58%	2.244%

LSC Area Percent Report

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Operator : JU/CG
Sample : L2814-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-052920

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-BF052820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.010	1720	1721	1724	rVB	1490357	705726	5.27%	0.363%
36	12.169	1745	1748	1750	rVV	1587840	1372503	10.25%	0.706%
37	12.192	1750	1752	1755	rVB2	627950	537650	4.02%	0.277%
38	12.316	1768	1773	1776	rBV	496559	509353	3.80%	0.262%
39	12.421	1787	1791	1794	rBV	1047562	1227252	9.17%	0.631%
40	12.463	1794	1798	1803	rVB2	849615	1309321	9.78%	0.674%
41	12.516	1803	1807	1812	rVB2	822016	1072484	8.01%	0.552%
42	12.610	1815	1823	1825	rBV	6988397	12162304	90.85%	6.258%
43	12.733	1838	1844	1847	rBV2	758781	1048150	7.83%	0.539%
44	12.833	1854	1861	1864	rBV3	6620747	13387092	100.00%	6.888%
45	12.863	1864	1866	1871	rVB2	1133686	1125395	8.41%	0.579%
46	12.933	1871	1878	1880	rBV	1468440	1721943	12.86%	0.886%
47	12.957	1880	1882	1884	rVB	1500327	1134824	8.48%	0.584%
48	13.039	1889	1896	1898	rBV2	1476668	2525942	18.87%	1.300%
49	13.121	1906	1910	1911	rVV3	978101	1124808	8.40%	0.579%
50	13.151	1911	1915	1917	rVB	3419351	3627189	27.09%	1.866%
51	13.216	1922	1926	1928	rBV	3156608	2987324	22.31%	1.537%
52	13.251	1928	1932	1934	rVV2	1998617	2272991	16.98%	1.170%
53	13.304	1939	1941	1944	rBV3	551100	466277	3.48%	0.240%
54	13.339	1944	1947	1950	rBV	896252	747895	5.59%	0.385%
55	13.368	1950	1952	1956	rBV2	940868	1002911	7.49%	0.516%
56	13.451	1962	1966	1969	rVB3	313730	479714	3.58%	0.247%
57	13.527	1975	1979	1980	rBV3	394320	540030	4.03%	0.278%
58	13.545	1980	1982	1983	rVV	637326	562621	4.20%	0.289%
59	13.563	1983	1985	1988	rVV2	644234	640339	4.78%	0.329%
60	13.627	1992	1996	1998	rVV	640457	880975	6.58%	0.453%
61	13.651	1998	2000	2004	rVV	1173387	1378249	10.30%	0.709%
62	13.763	2014	2019	2021	rVV2	1549036	1832007	13.68%	0.943%
63	13.792	2021	2024	2026	rVV	2047324	1966252	14.69%	1.012%
64	13.815	2026	2028	2033	rVV2	1488709	2269555	16.95%	1.168%
65	13.863	2033	2036	2040	rVV	1273954	1407519	10.51%	0.724%
66	13.927	2043	2047	2051	rVV	381214	544448	4.07%	0.280%
67	14.021	2054	2063	2065	rBV2	5717618	10620430	79.33%	5.464%
68	14.057	2065	2069	2074	rVV	5614027	7182904	53.66%	3.696%
69	14.127	2078	2081	2084	rVV	2008651	1959369	14.64%	1.008%
70	14.163	2084	2087	2091	rVV3	915185	1393678	10.41%	0.717%
71	14.204	2091	2094	2096	rVV2	1117499	1102077	8.23%	0.567%

LSC Area Percent Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-052920

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-BF052820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.239	2096	2100	2103	rVV2	1155083	1542855	11.52%	0.794%
73	14.333	2113	2116	2118	rVV2	411877	543656	4.06%	0.280%
74	14.363	2119	2121	2123	rVV	795943	824268	6.16%	0.424%
75	14.404	2123	2128	2130	rVV	2222256	2662339	19.89%	1.370%
76	14.433	2130	2133	2137	rVV2	1149787	1382514	10.33%	0.711%
77	14.498	2137	2144	2147	rVV2	1331703	2259386	16.88%	1.163%
78	14.527	2147	2149	2151	rVV2	1304258	1338593	10.00%	0.689%
79	14.551	2151	2153	2156	rVV2	1610024	1437558	10.74%	0.740%
80	14.592	2156	2160	2166	rVB4	749527	1267720	9.47%	0.652%
81	14.710	2176	2180	2182	rBV3	554468	690219	5.16%	0.355%
82	14.739	2182	2185	2190	rVB3	456404	682960	5.10%	0.351%
83	14.786	2190	2193	2196	rBV3	419025	472776	3.53%	0.243%
84	14.898	2208	2212	2219	rVB2	579400	896802	6.70%	0.461%
85	15.074	2234	2242	2244	rBV	4057313	8392591	62.69%	4.318%
86	15.127	2248	2251	2254	rVV3	334415	539526	4.03%	0.278%
87	15.168	2254	2258	2261	rVB	1576696	1611823	12.04%	0.829%
88	15.251	2268	2272	2273	rBV3	409353	469046	3.50%	0.241%
89	15.368	2286	2292	2297	rVB	2580661	4151445	31.01%	2.136%
90	15.439	2297	2304	2307	rBV	3907076	5857682	43.76%	3.014%
91	15.486	2307	2312	2314	rBV2	888513	1190384	8.89%	0.612%
92	15.521	2314	2318	2324	rVB2	1501783	2226093	16.63%	1.145%
93	15.839	2369	2372	2378	rVB2	313155	520649	3.89%	0.268%
94	16.039	2403	2406	2411	rVB	440723	598830	4.47%	0.308%
95	16.962	2555	2563	2569	rVB2	1794227	3899022	29.13%	2.006%
96	17.021	2570	2573	2582	rVB	257904	475411	3.55%	0.245%
97	17.121	2584	2590	2595	rBV	486979	960350	7.17%	0.494%
98	17.180	2596	2600	2605	rBV2	327310	592507	4.43%	0.305%
99	17.403	2629	2638	2652	rVB	1197200	2946389	22.01%	1.516%
100	17.627	2670	2676	2688	rVB2	477062	1173584	8.77%	0.604%

Sum of corrected areas: 194353385

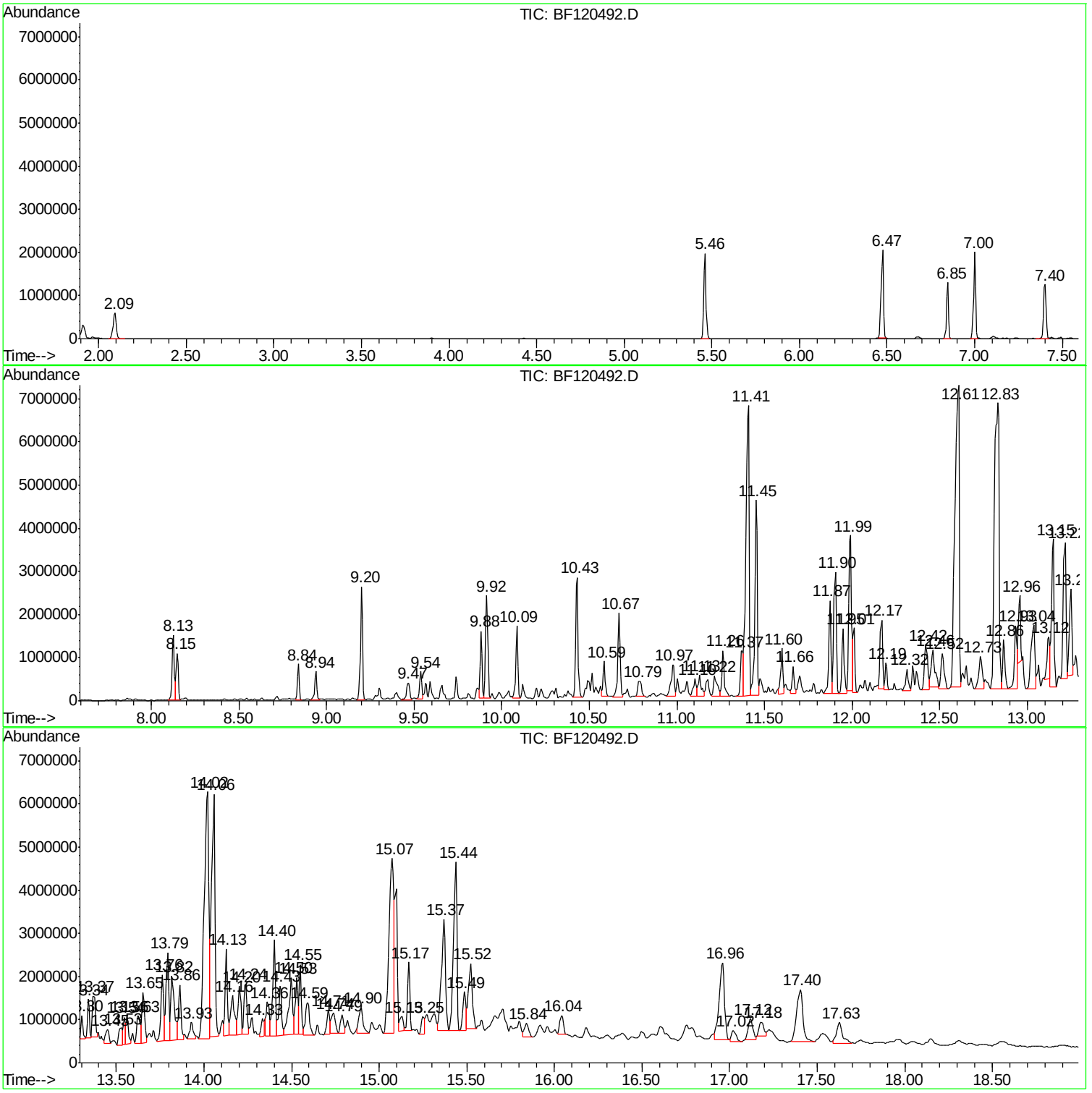
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
Data File : BF120492.D
Acq On : 2 Jun 2020 14:02
Operator : JU/CG
Sample : L2814-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-052920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
Data File : BF120492.D
Acq On : 2 Jun 2020 14:02
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-052920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

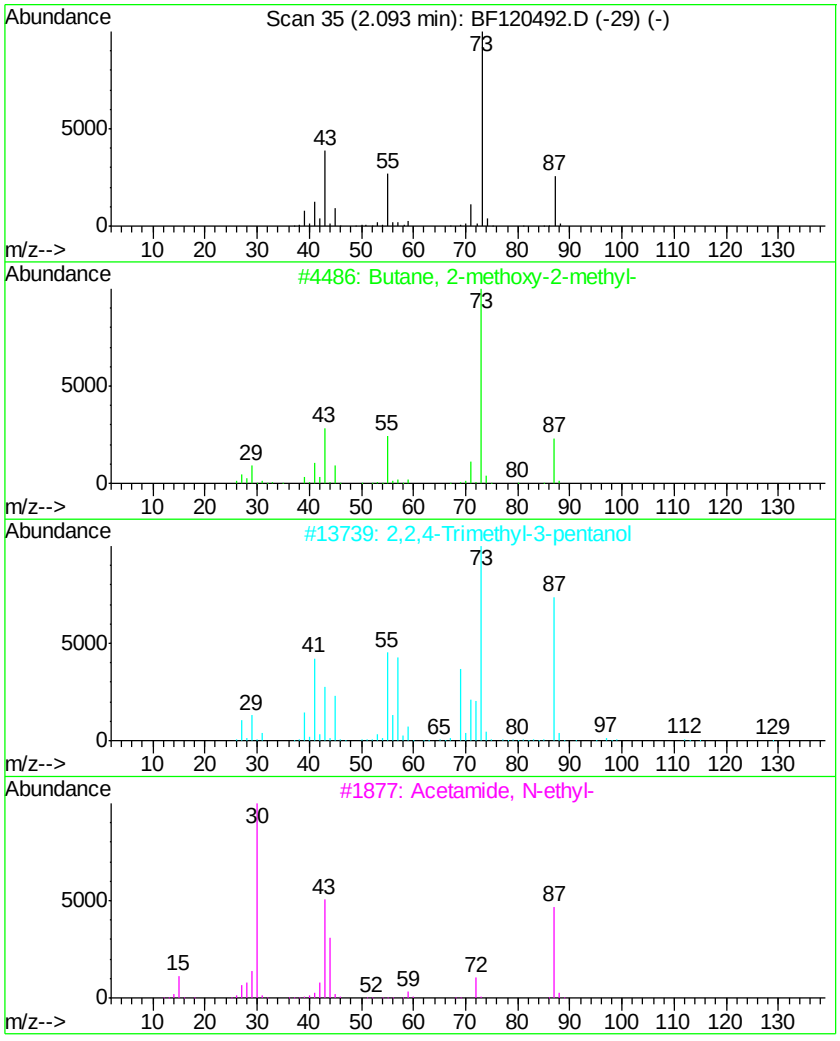
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

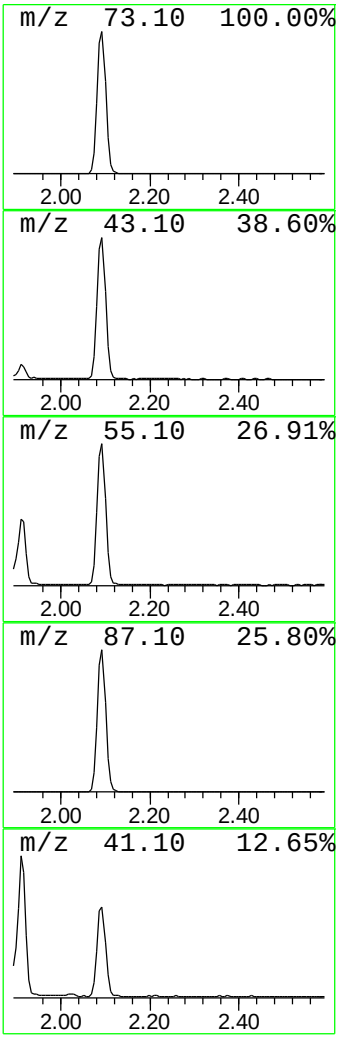
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.09	14.26 ng	752786	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





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Sample : L2814-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-052920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

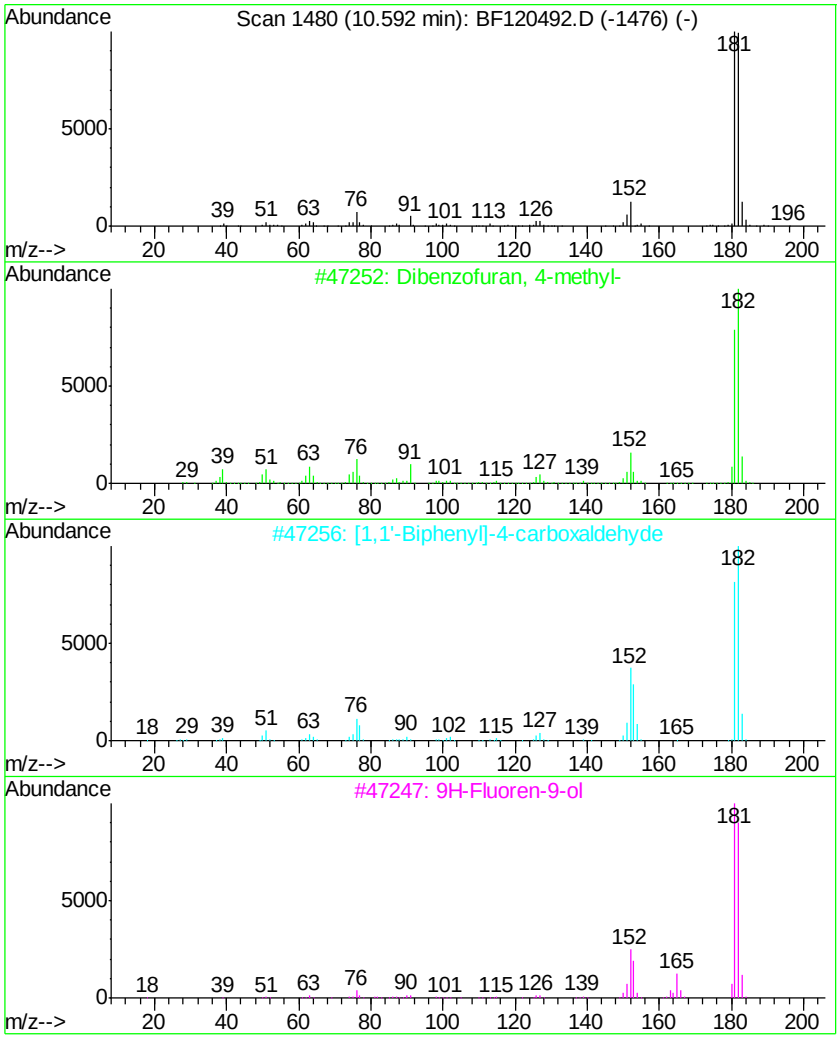
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

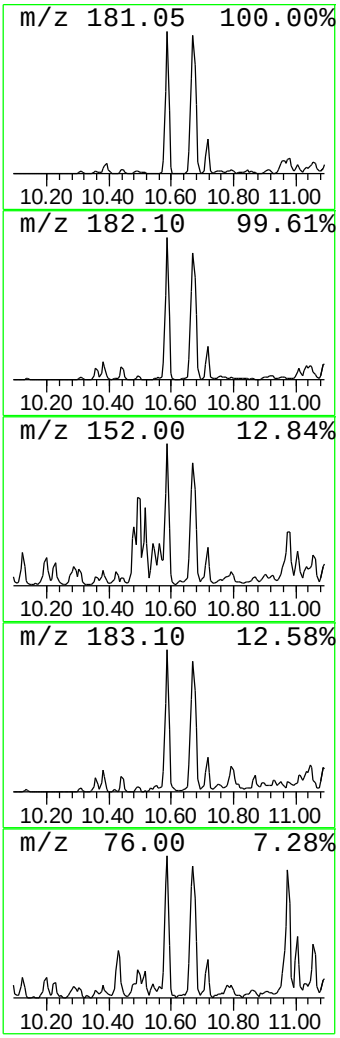
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	10.86 ng	679591	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-052920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

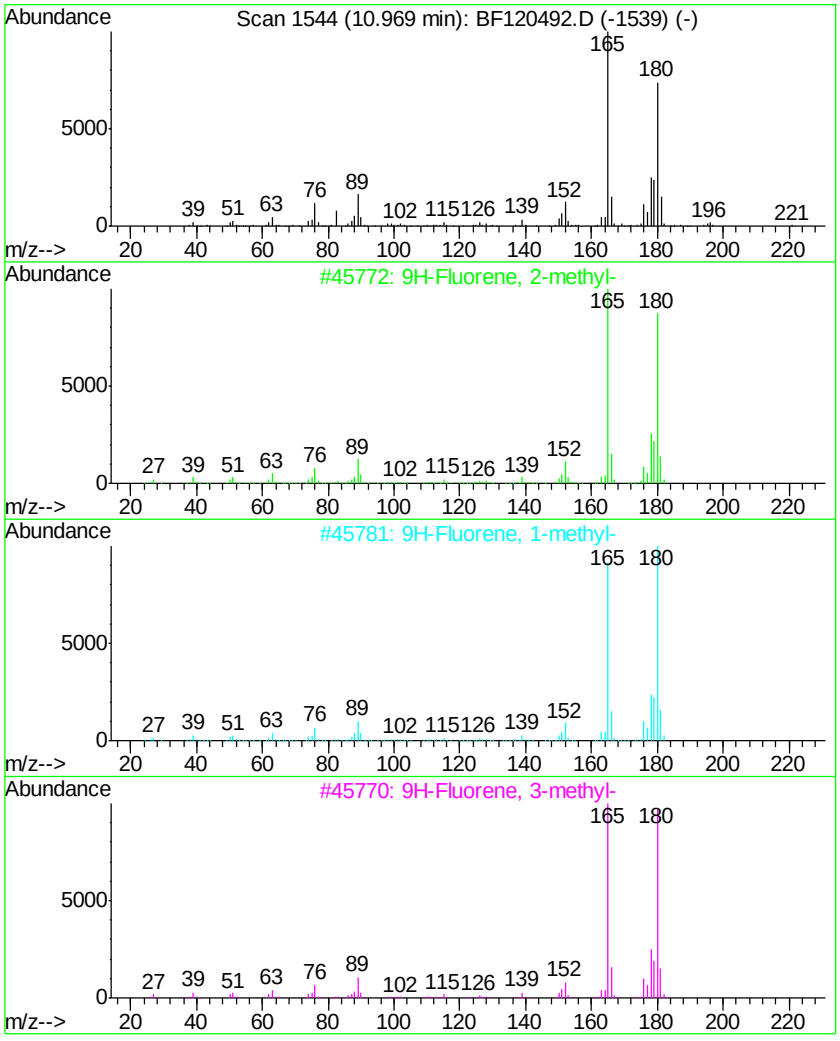
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

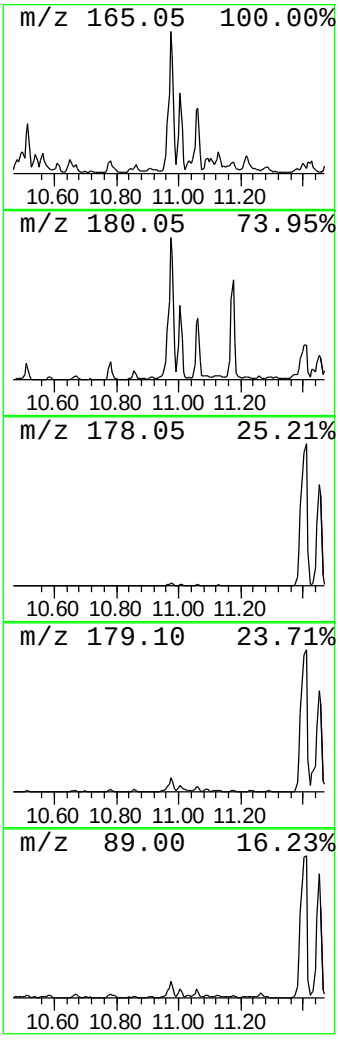
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	14.04 ng	950940	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





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Instrument : BNA_F
ClientSampleId : PL-02-052920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
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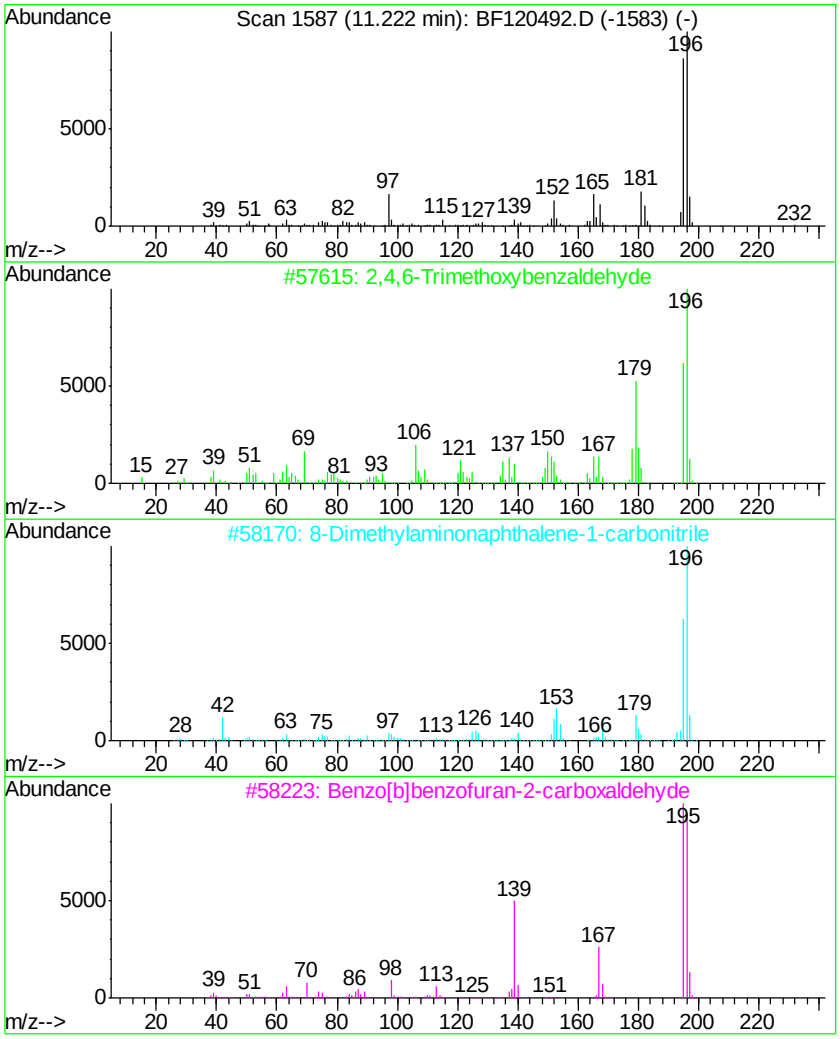
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

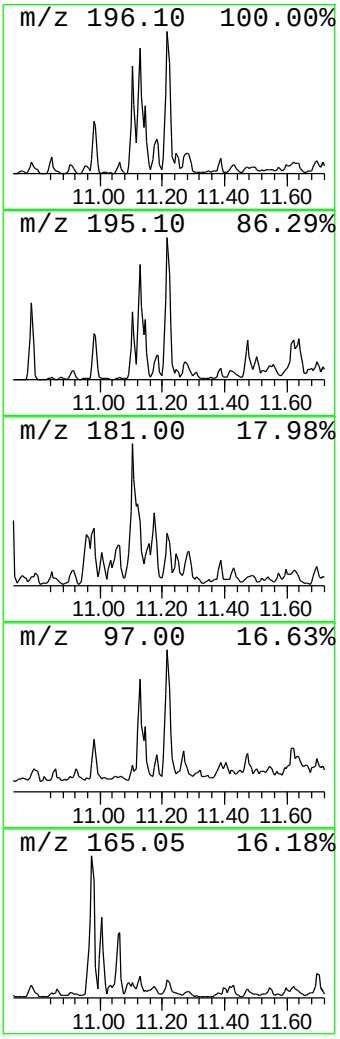
****

Peak Number 5 2,4,6-Trimethoxybenzaldehyde Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	10.31 ng	698147	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	86
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
3	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	68
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	64
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
Data File : BF120492.D
Acq On : 2 Jun 2020 14:02
Operator : JU/CG
Sample : L2814-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : PL-02-052920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

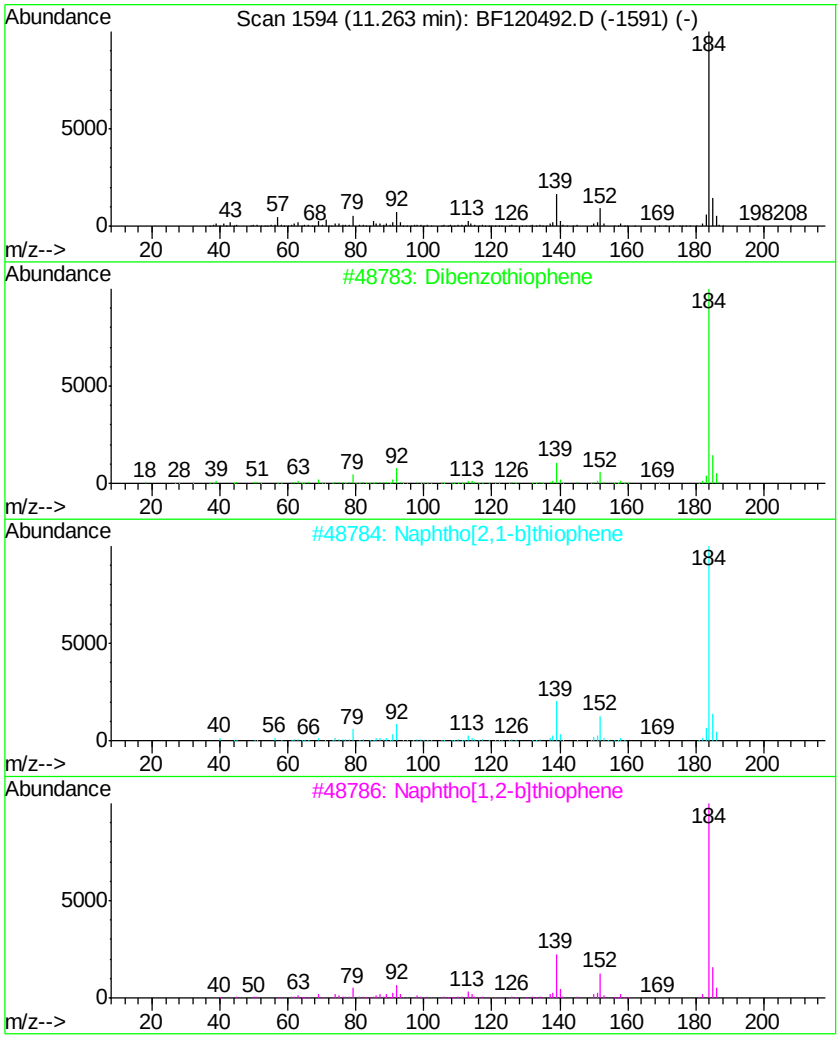
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

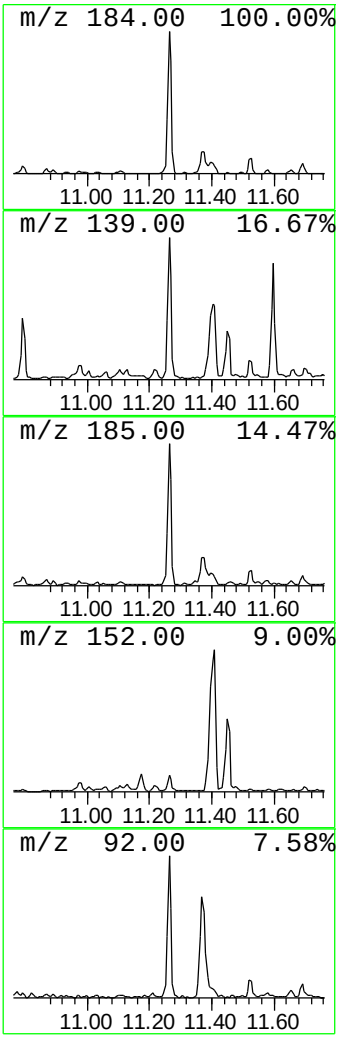
****

Peak Number 6 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	15.38 ng	1041400	Phenanthrene-d10	11.37

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	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Operator : JU/CG
Sample : L2814-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : PL-02-052920

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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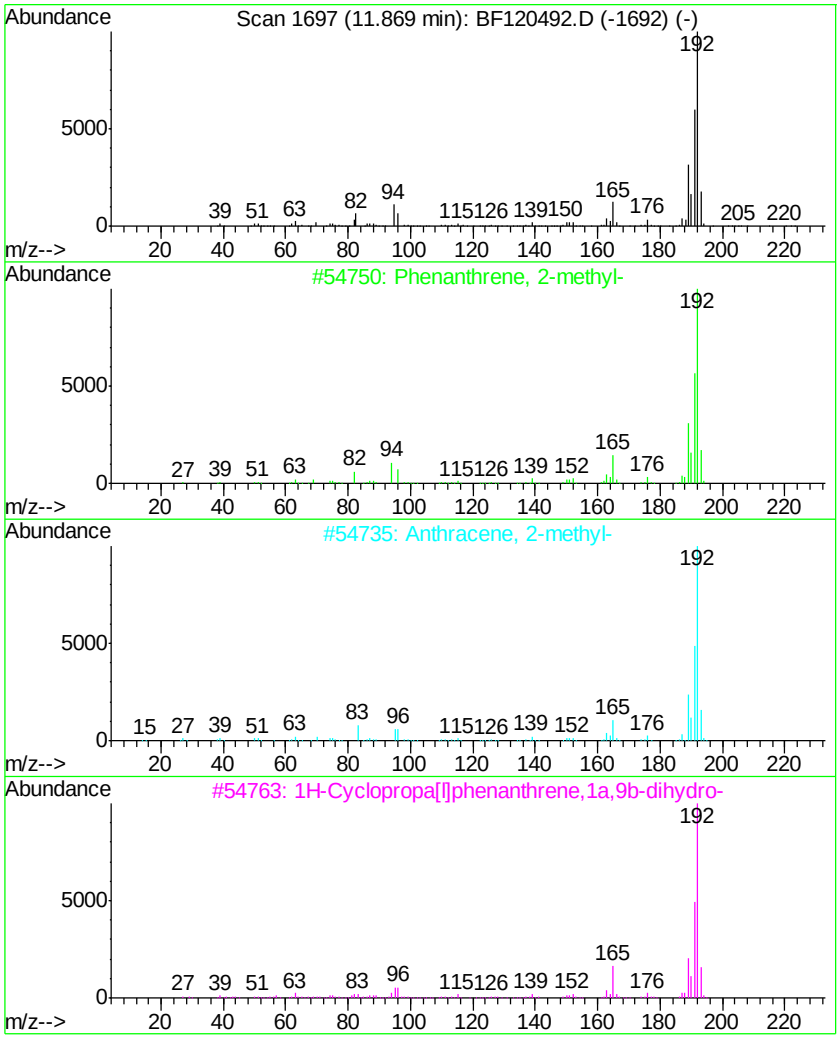
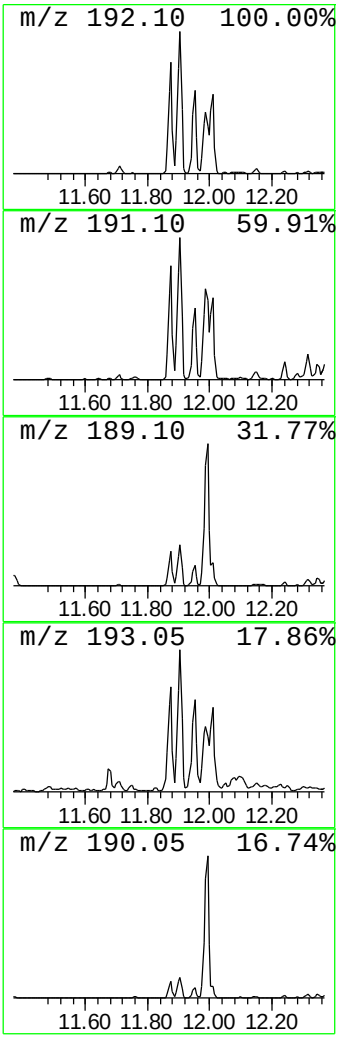
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	30.17 ng	2042880	Phenanthrene-d10	11.37

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Sample : L2814-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-052920

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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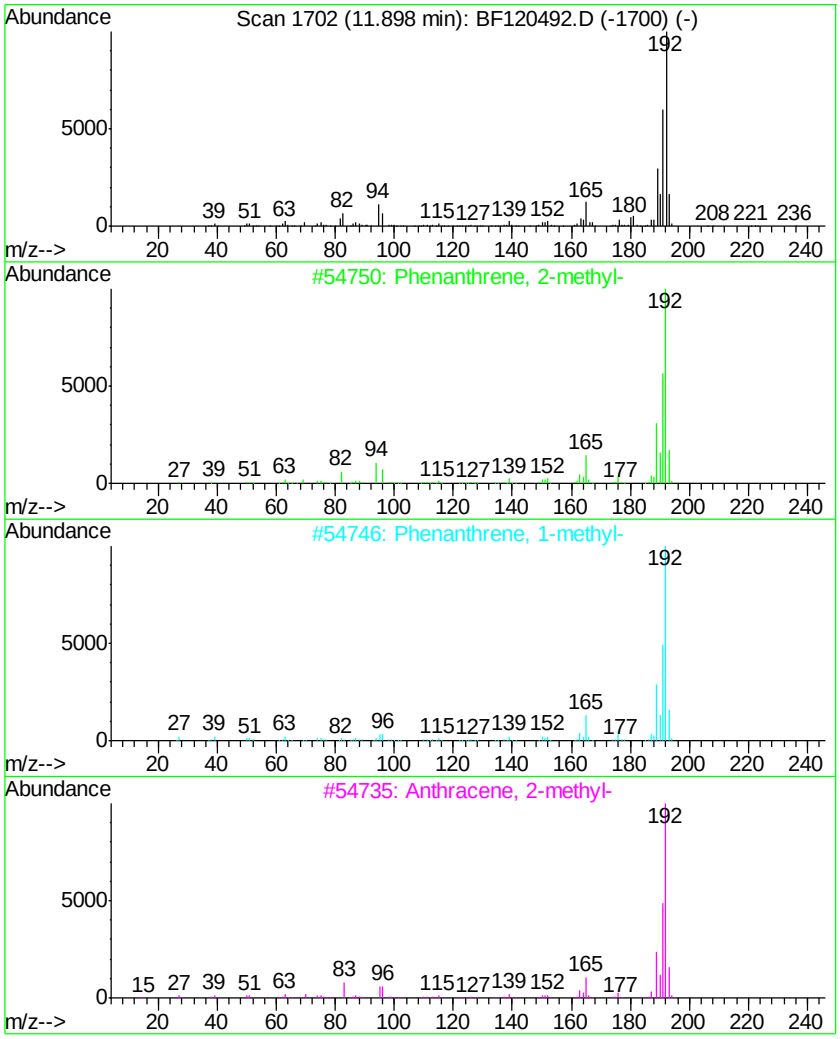
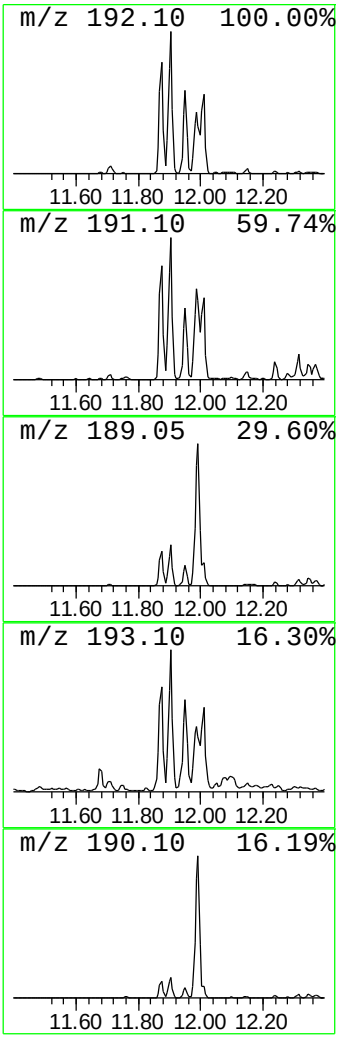
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	37.00 ng	2505710	Phenanthrene-d10	11.37

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : L2814-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-052920

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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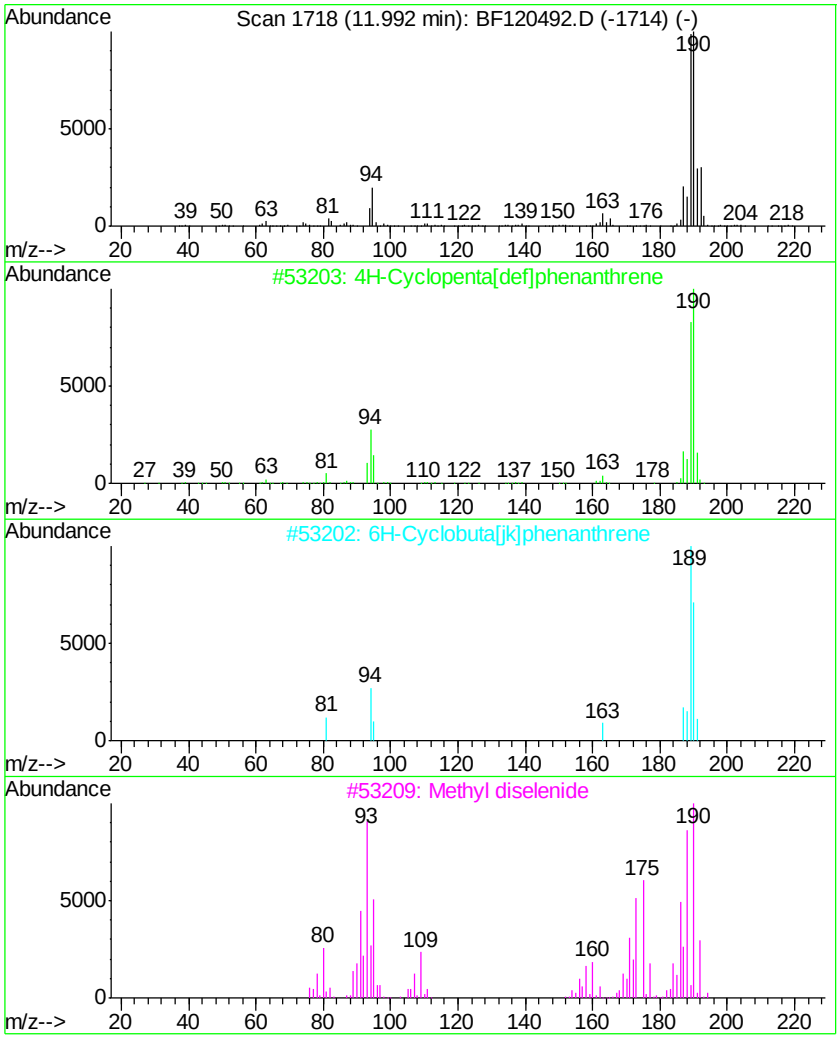
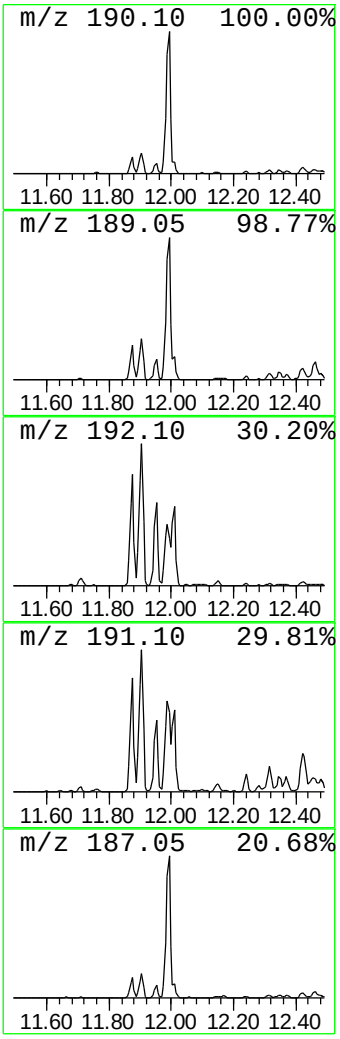
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	64.40 ng	4360960	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





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ClientSampleId : PL-02-052920

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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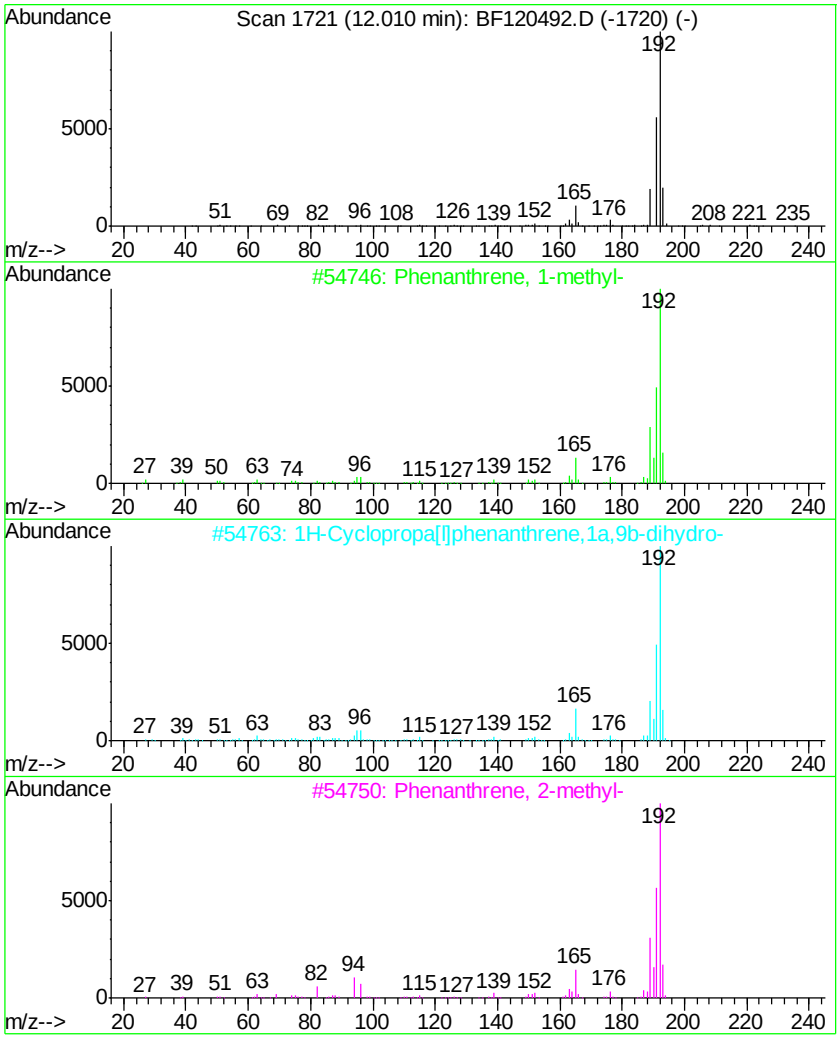
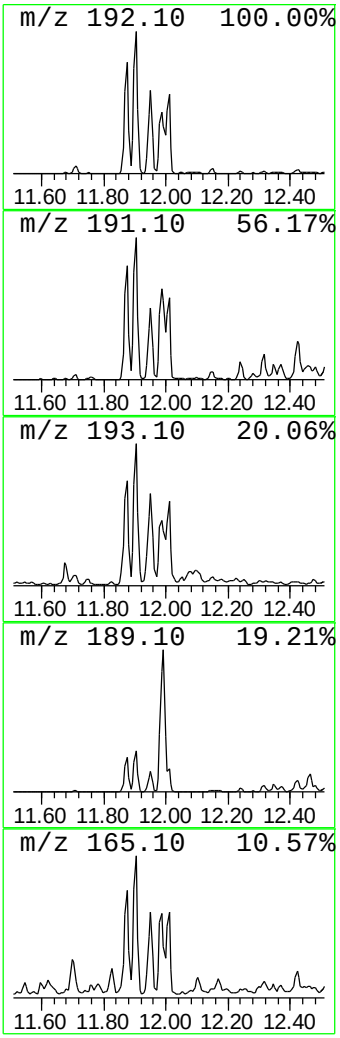
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	10.42 ng	705726	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	74
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	74
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	74





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Instrument : BNA_F
ClientSampleId : PL-02-052920

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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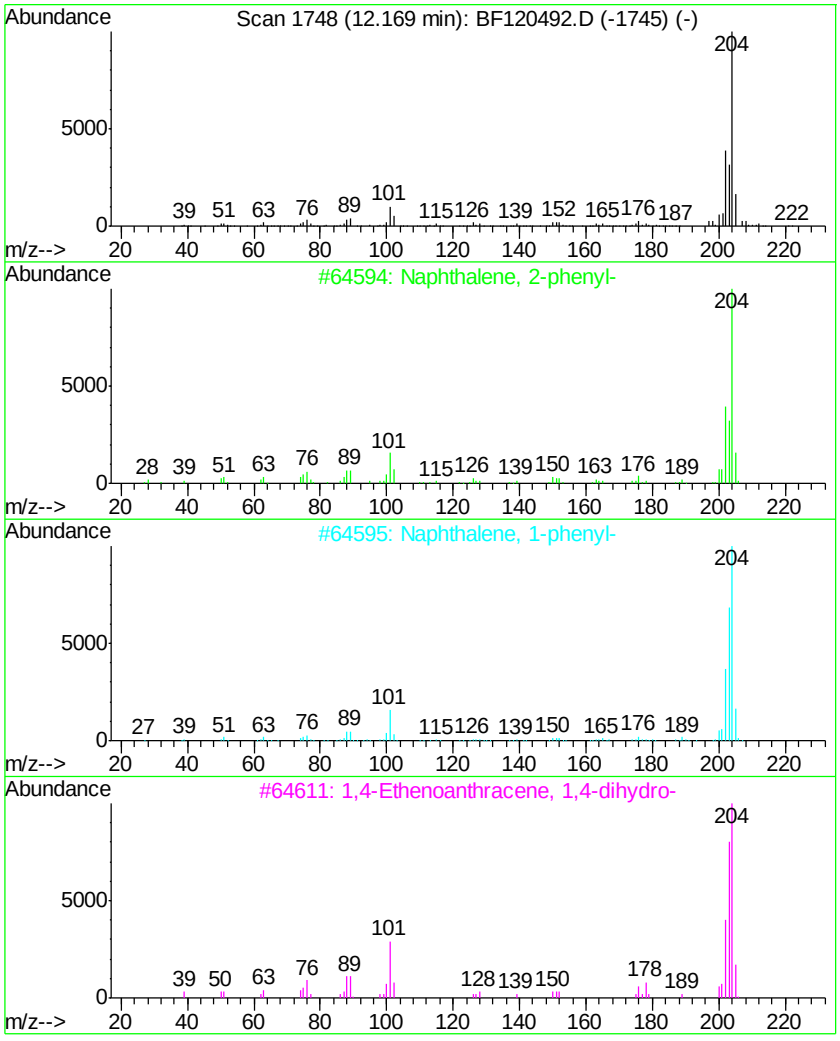
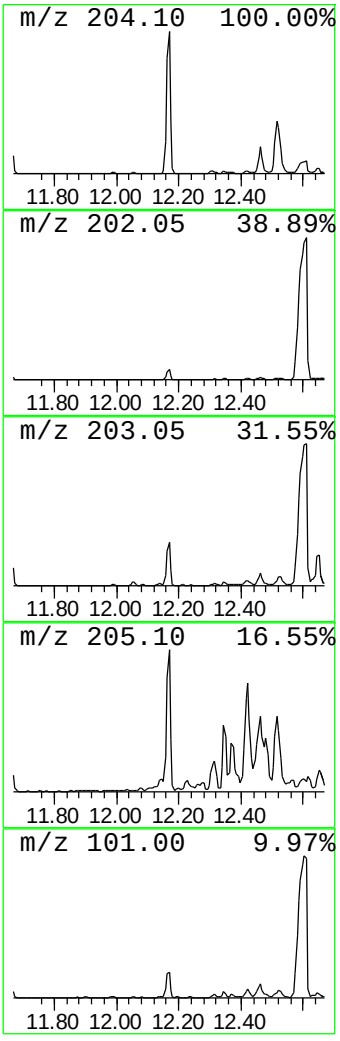
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	20.27 ng	1372500	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	43





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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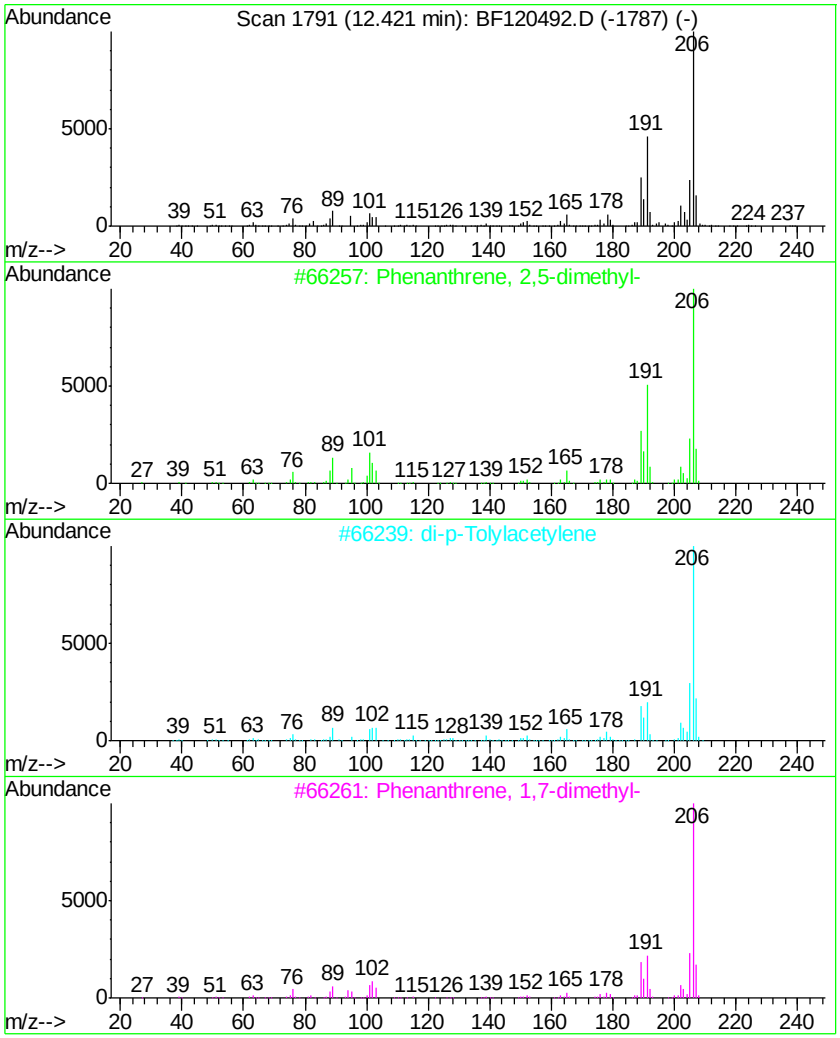
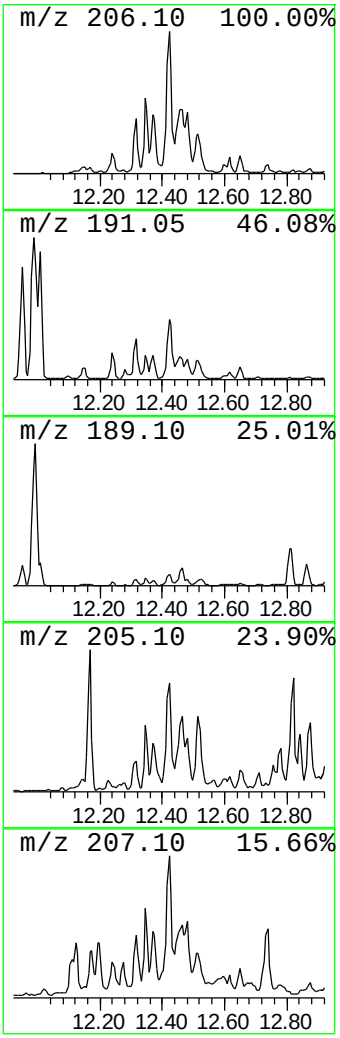
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	18.12 ng	1227250	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Misc :
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Instrument : BNA_F
ClientSampleId : PL-02-052920

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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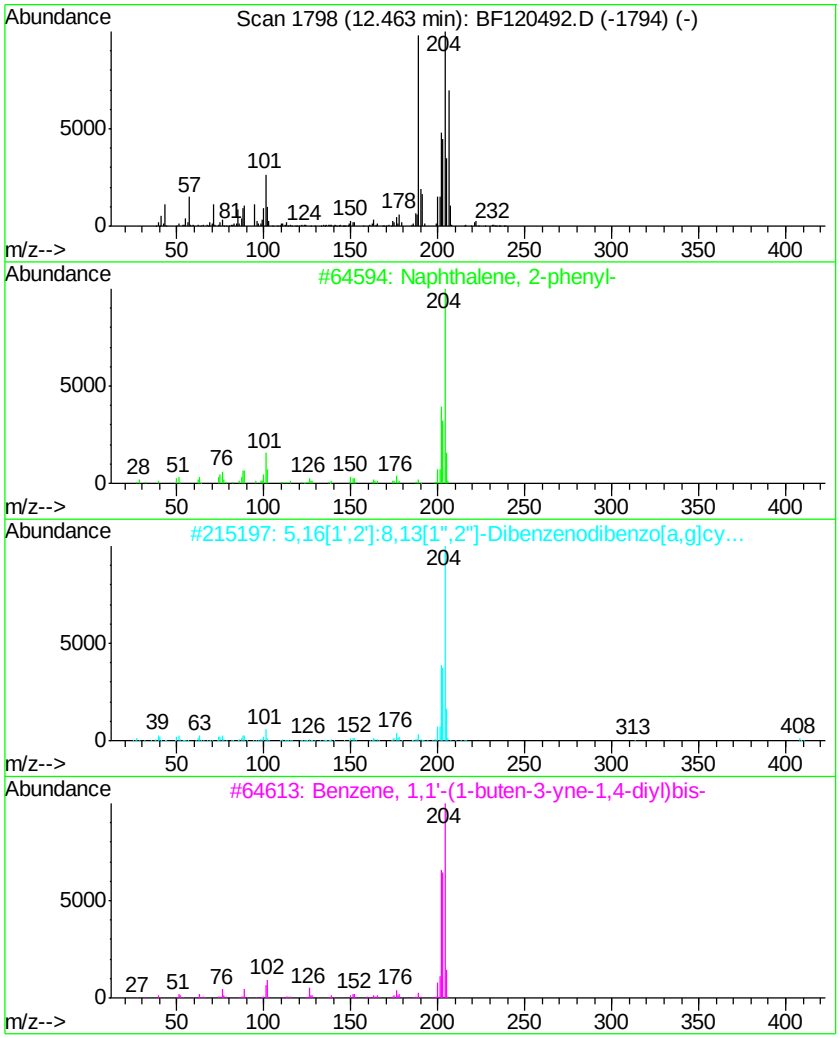
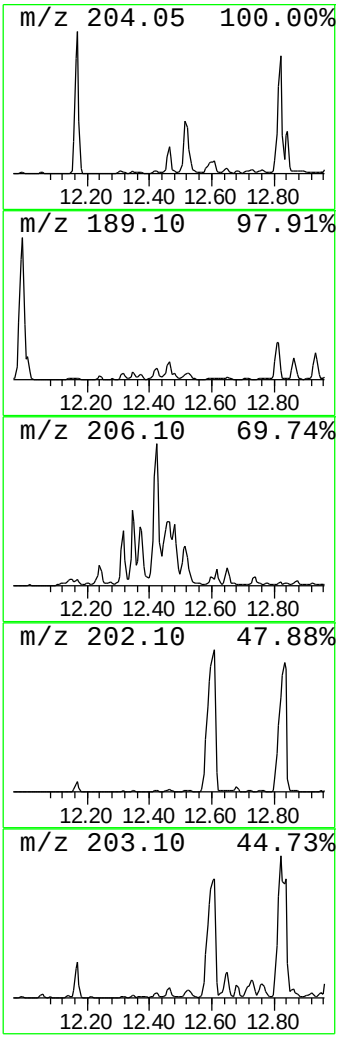
Peak Number 14 unknown12.46 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	19.33 ng	1309320	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38
3	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	38
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30
5	Pyrazolo[5,1-c][1,2,4]-triazine-...	206	C8H10N6O	1000264-44-8	30





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Misc :
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Instrument : BNA_F
ClientSampleId : PL-02-052920

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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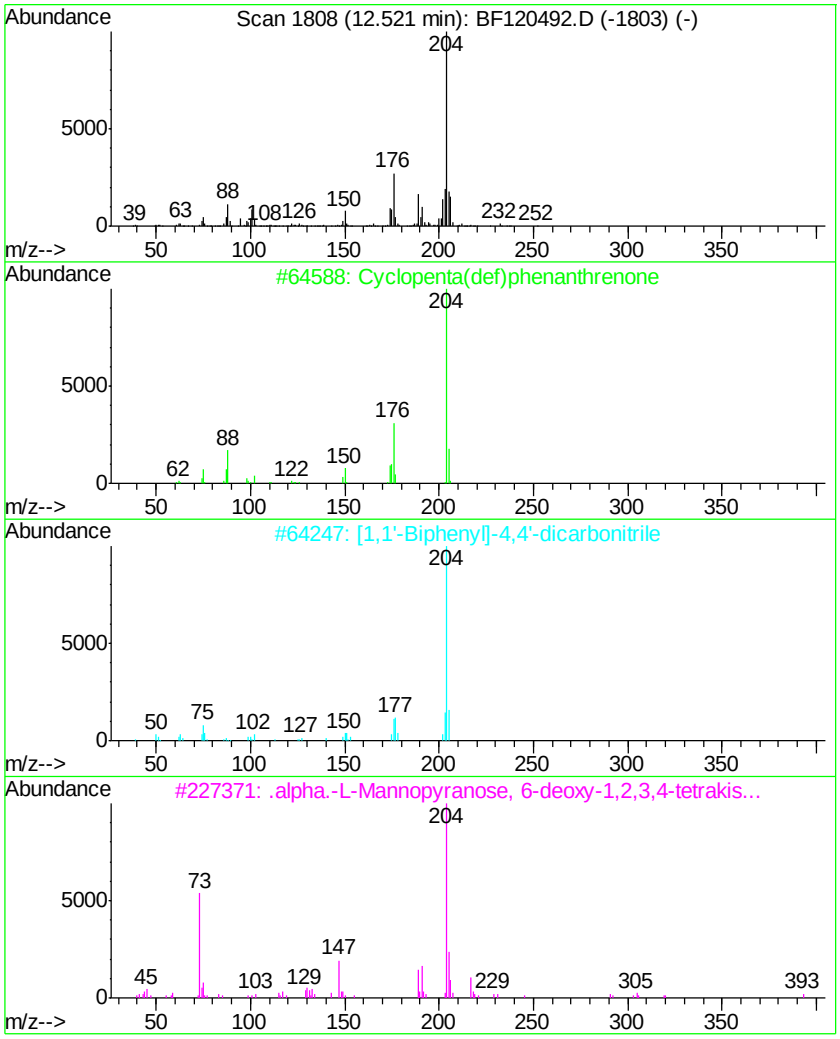
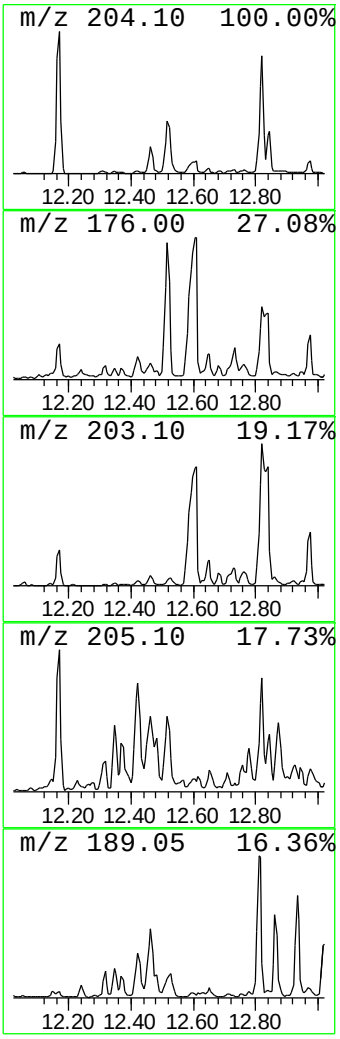
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	15.84 ng	1072480	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
3	.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	47
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





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Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId : PL-02-052920

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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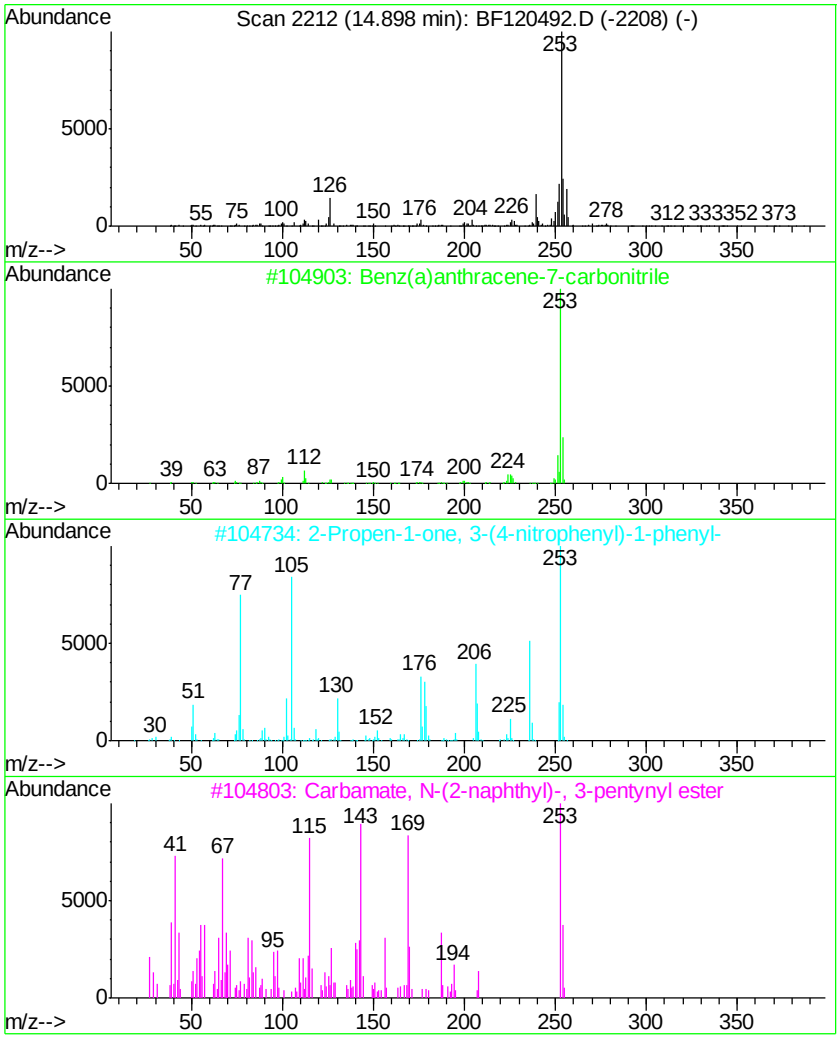
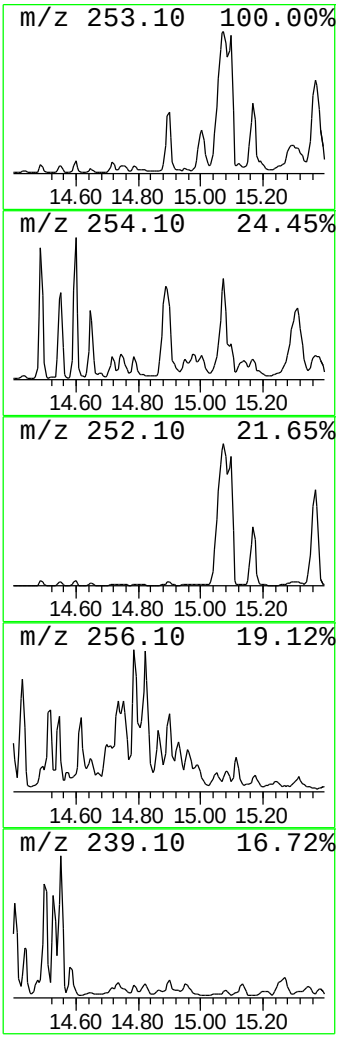
Peak Number 16 Benz(a)anthracene-7-carboni... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	15.07 ng	896802	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	60
2	2-Propen-1-one, 3-(4-nitrophenyl...	253	C15H11NO3	001222-98-6	50
3	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	46
4	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	46
5	2(3H)-Oxazolethione, 4,5-diphenyl-	253	C15H11NOS	006670-13-9	37





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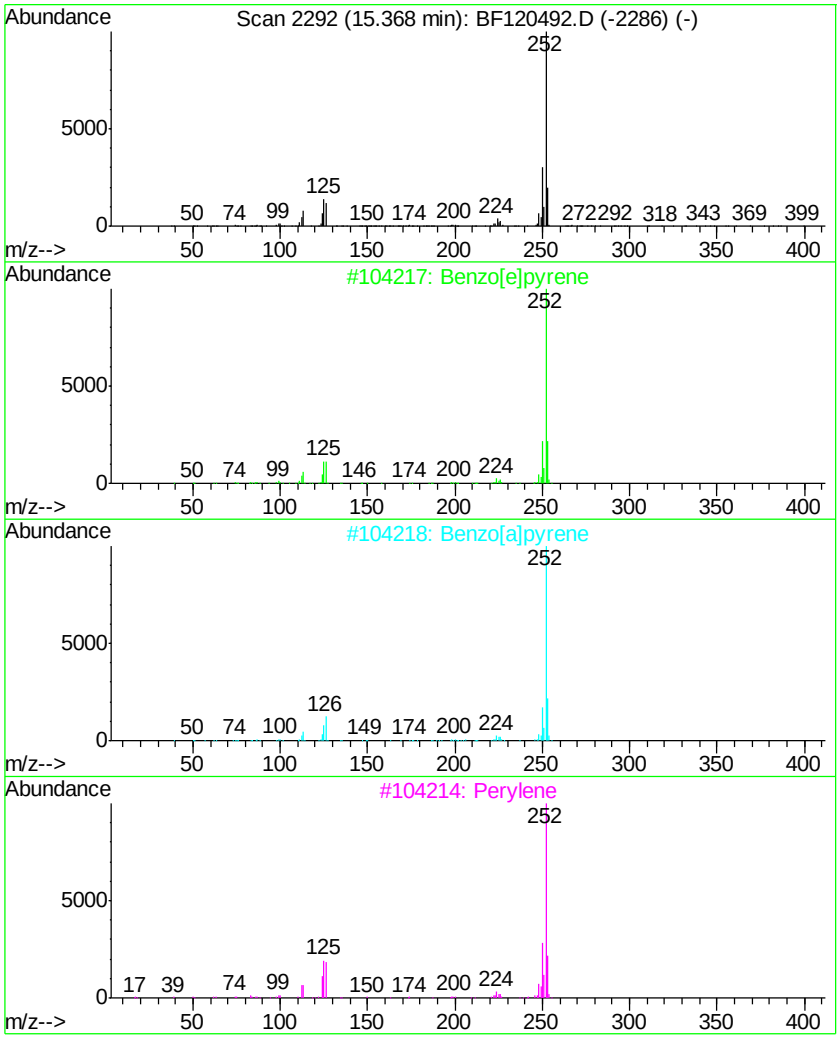
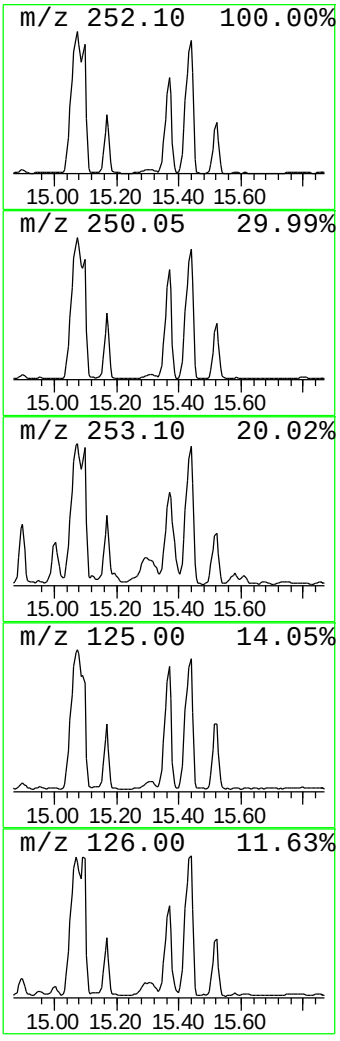
Peak Number 18 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	69.75 ng	4151450	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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ClientSampleId : PL-02-052920

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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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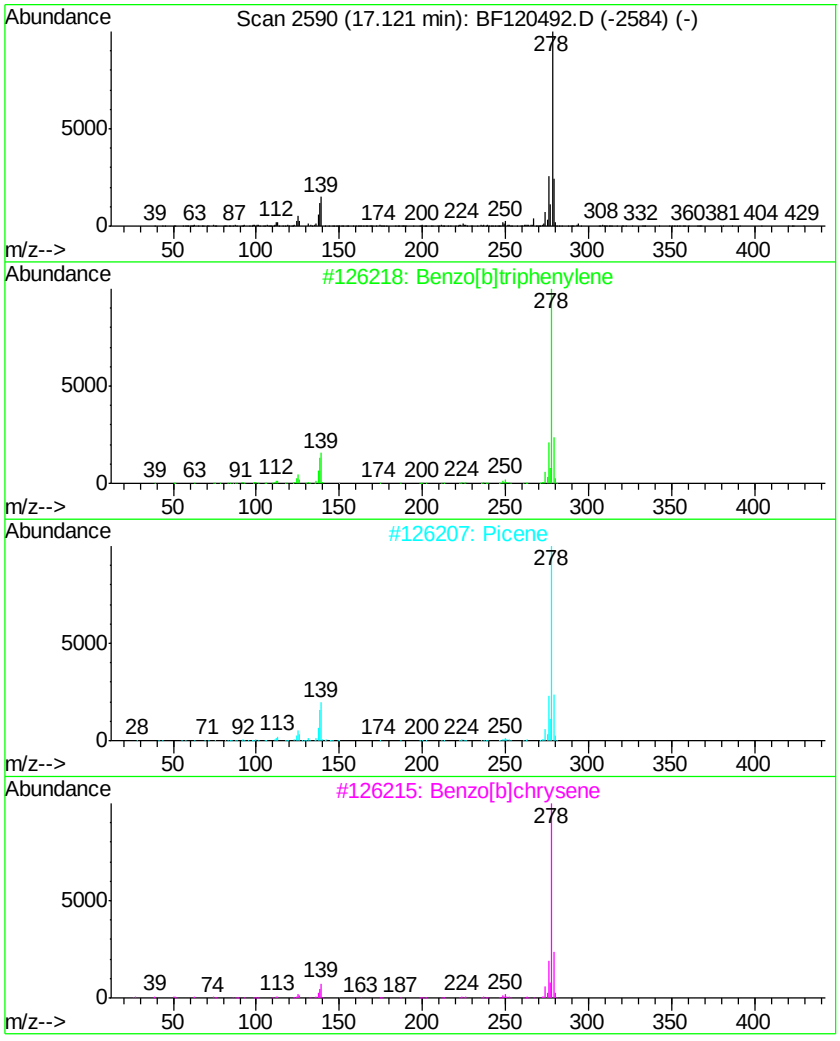
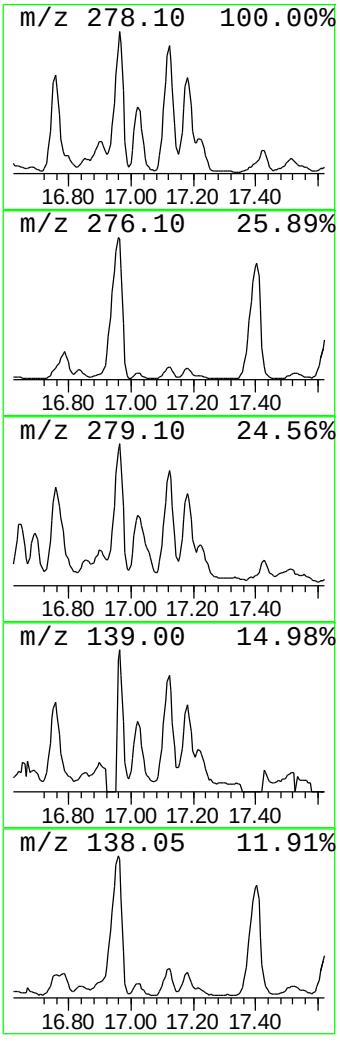
Peak Number 19 Benzo[b]triphenylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	16.14 ng	960350	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	Picene	278	C22H14	000213-46-7	98
3	Benzo[b]chrysene	278	C22H14	000214-17-5	98
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
5	Pentaphene	278	C22H14	000222-93-5	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
Data File : BF120492.D
Acq On : 2 Jun 2020 14:02
Operator : JU/CG
Sample : L2814-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-052920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

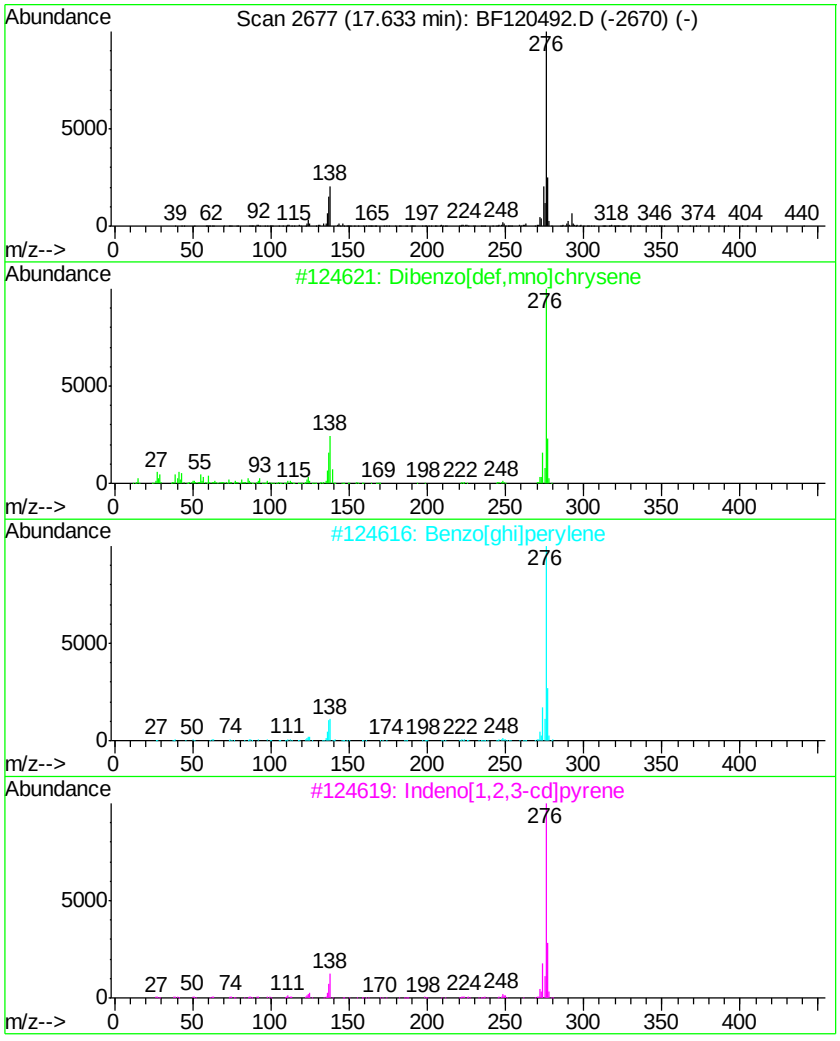
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

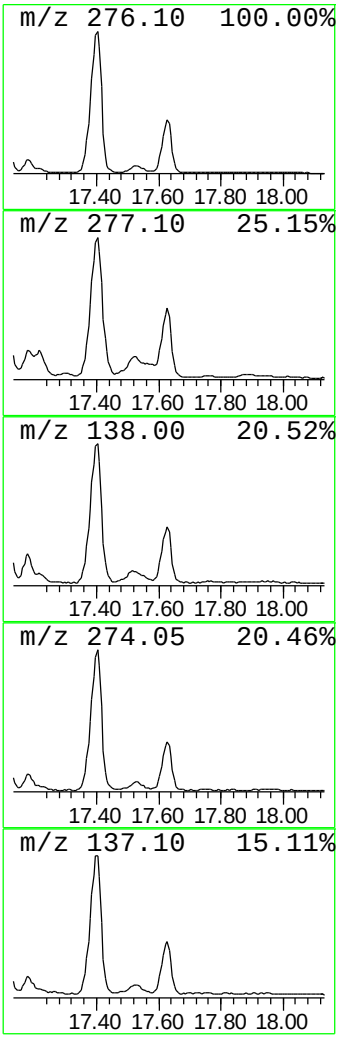
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	19.72 ng	1173580	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53
5	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060220\
Data File : BF120492.D
Acq On : 2 Jun 2020 14:02
Operator : JU/CG
Sample : L2814-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-052920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.09	14.3	ng	752786	1	6.85	1055670	20.0
Dibenzofuran, 4-m...	10.59	10.9	ng	679591	3	9.88	1251960	20.0
9H-Fluorene, 2-me...	10.97	14.0	ng	950940	4	11.37	1354360	20.0
2,4,6-Trimethoxyb...	11.22	10.3	ng	698147	4	11.37	1354360	20.0
Dibenzothiophene	11.26	15.4	ng	1041400	4	11.37	1354360	20.0
Phenanthrene, 2-m...	11.87	30.2	ng	2042880	4	11.37	1354360	20.0
Phenanthrene, 1-m...	11.90	37.0	ng	2505710	4	11.37	1354360	20.0
4H-Cyclopenta[def...	11.99	64.4	ng	4360960	4	11.37	1354360	20.0
1H-Cyclopropa[l]p...	12.01	10.4	ng	705726	4	11.37	1354360	20.0
Naphthalene, 2-ph...	12.17	20.3	ng	1372500	4	11.37	1354360	20.0
Phenanthrene, 2,5...	12.42	18.1	ng	1227250	4	11.37	1354360	20.0
unknown12.46	12.46	19.3	ng	1309320	4	11.37	1354360	20.0
Cyclopenta(def)ph...	12.52	15.8	ng	1072480	4	11.37	1354360	20.0
Benz(a)anthracene...	14.90	15.1	ng	896802	6	15.49	1190380	20.0
Benzo[e]pyrene	15.37	69.8	ng	4151450	6	15.49	1190380	20.0
Benzo[b]triphenylene	17.12	16.1	ng	960350	6	15.49	1190380	20.0
Dibenzo[def,mno]c...	17.63	19.7	ng	1173580	6	15.49	1190380	20.0