LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013120\
Data File : BF118777.D
Acq On : 31 Jan 2020 13:06
Operator : CG/JU
Sample : L1319-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAINEY-PARK-BH-06-A

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-BF012020.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	2.128	3	7	13	rVB	595475	799925	8.55%	0.486%
2	5.451	567	572	575	rBV	5500104	5461829	58.35%	3.318%
3	6.457	737	743	746	rBV	5072723	5648636	60.34%	3.432%
4	6.828	802	806	809	rBV	1829123	1701611	18.18%	1.034%
5	6.986	828	833	836	rBV	5202702	4992573	53.33%	3.033%
6	7.386	895	901	904	rBV	3863453	3895586	41.61%	2.367%
7	8.110	1019	1024	1026	rBV	2441422	2371672	25.34%	1.441%
8	8.822	1138	1145	1148	rVB	382291	334404	3.57%	0.203%
9	8.922	1157	1162	1165	rBV	473338	428975	4.58%	0.261%
10	9.186	1201	1207	1210	rBV	7739960	7425295	79.32%	4.511%
11	9.451	1245	1252	1256	rBV	262963	376473	4.02%	0.229%
12	9.522	1256	1264	1266	rVV	617945	609256	6.51%	0.370%
13	9.551	1266	1269	1271	rVV	312395	313069	3.34%	0.190%
14	9.574	1271	1273	1281	rVV	359831	356007	3.80%	0.216%
15	9.639	1281	1284	1289	rVV	331682	372635	3.98%	0.226%
16	9.722	1292	1298	1303	rVB2	425166	391641	4.18%	0.238%
17	9.863	1316	1322	1325	rBV	3115636	2962675	31.65%	1.800%
18	9.898	1325	1328	1331	rVB	1220318	1142010	12.20%	0.694%
19	10.069	1353	1357	1360	rVB	790663	768726	8.21%	0.467%
20	10.410	1411	1415	1421	rVV	1306395	1196690	12.78%	0.727%
21	10.569	1439	1442	1447	rVB2	411797	482591	5.16%	0.293%
22	10.651	1451	1456	1460	rVV	5543426	5380221	57.47%	3.268%
23	10.774	1472	1477	1484	rVB2	391266	483479	5.16%	0.294%
24	10.957	1501	1508	1511	rBV3	431279	733357	7.83%	0.446%
25	10.986	1511	1513	1516	rVV2	425636	414806	4.43%	0.252%
26	11.151	1538	1541	1545	rVB	672038	616431	6.59%	0.374%
27	11.204	1545	1550	1554	rBV3	313710	579562	6.19%	0.352%
28	11.245	1554	1557	1563	rVB	736825	744578	7.95%	0.452%
29	11.351	1569	1575	1577	rBV	2634299	3216945	34.36%	1.954%
30	11.380	1577	1580	1583	rVV	9035316	9081441	97.01%	5.517%
31	11.427	1583	1588	1590	rVV	2294280	2131635	22.77%	1.295%
32	11.574	1608	1613	1616	rBV	687463	759768	8.12%	0.462%
33	11.645	1622	1625	1627	rVV	425810	345895	3.70%	0.210%
34	11.680	1627	1631	1634	rVB	628397	542210	5.79%	0.329%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013120\
Data File : BF118777.D
Acq On : 31 Jan 2020 13:06
Operator : CG/JU
Sample : L1319-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAINEY-PARK-BH-06-A

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-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.763	1642	1645	1649	rVB	318904	312966	3.34%	0.190%
36	11.851	1656	1660	1662	rVV	2538260	2414821	25.80%	1.467%
37	11.880	1662	1665	1669	rVV	3947741	3604982	38.51%	2.190%
38	11.927	1669	1673	1675	rVV	915149	898551	9.60%	0.546%
39	11.963	1675	1679	1681	rVV	3108655	3310277	35.36%	2.011%
40	11.986	1681	1683	1686	rVV	2005382	1564391	16.71%	0.950%
41	12.145	1704	1710	1712	rVV	1510081	1522264	16.26%	0.925%
42	12.168	1712	1714	1720	rVV2	1362097	1207396	12.90%	0.733%
43	12.221	1720	1723	1727	rVV	336624	319272	3.41%	0.194%
44	12.292	1730	1735	1738	rBV2	691919	906485	9.68%	0.551%
45	12.327	1738	1741	1743	rVV	609057	587138	6.27%	0.357%
46	12.351	1743	1745	1747	rVB	444307	348303	3.72%	0.212%
47	12.404	1747	1754	1756	rBV	1538876	1694877	18.11%	1.030%
48	12.439	1756	1760	1762	rVV	954852	1282427	13.70%	0.779%
49	12.457	1762	1763	1765	rVV	509165	363519	3.88%	0.221%
50	12.486	1765	1768	1773	rVV2	921065	1227318	13.11%	0.746%
51	12.568	1773	1782	1785	rVV	7940911	8868854	94.74%	5.388%
52	12.610	1785	1789	1790	rVV	391198	499704	5.34%	0.304%
53	12.627	1790	1792	1795	rVV3	463482	479125	5.12%	0.291%
54	12.663	1795	1798	1800	rVV3	377965	393945	4.21%	0.239%
55	12.692	1800	1803	1805	rVV2	427945	524259	5.60%	0.318%
56	12.710	1805	1806	1810	rVV2	359049	412544	4.41%	0.251%
57	12.798	1815	1821	1826	rVV	7397910	9361122	100.00%	5.687%
58	12.839	1826	1828	1833	rVB2	459749	655309	7.00%	0.398%
59	12.910	1836	1840	1841	rVV	475416	508700	5.43%	0.309%
60	12.933	1841	1844	1851	rVB	6645570	6977759	74.54%	4.239%
61	13.010	1851	1857	1860	rBV3	930506	1376736	14.71%	0.836%
62	13.098	1869	1872	1873	rVV2	648414	745246	7.96%	0.453%
63	13.115	1873	1875	1878	rVB	1315671	1270252	13.57%	0.772%
64	13.186	1882	1887	1889	rVV	726173	793720	8.48%	0.482%
65	13.221	1889	1893	1896	rVV	1236158	1271572	13.58%	0.772%
66	13.315	1906	1909	1911	rVV	744415	632571	6.76%	0.384%
67	13.345	1911	1914	1917	rVB	812564	701782	7.50%	0.426%
68	13.415	1923	1926	1933	rVB4	284828	456747	4.88%	0.277%
69	13.515	1940	1943	1945	rVV2	302151	408633	4.37%	0.248%
70	13.539	1945	1947	1950	rVV	260122	313949	3.35%	0.191%
71	13.621	1955	1961	1966	rVV	777066	1054666	11.27%	0.641%

LSC Area Percent Report

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Acq On : 31 Jan 2020 13:06
Operator : CG/JU
Sample : L1319-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAINEY-PARK-BH-06-A

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-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.733	1975	1980	1983	rVV2	703567	990289	10.58%	0.602%
73	13.762	1983	1985	1987	rVV	806296	664238	7.10%	0.404%
74	13.786	1987	1989	1993	rVV2	506054	682979	7.30%	0.415%
75	13.833	1993	1997	2004	rVV3	1281938	1702111	18.18%	1.034%
76	13.980	2015	2022	2025	rBV2	4061963	5717033	61.07%	3.473%
77	14.015	2025	2028	2033	rVV	3281935	3347823	35.76%	2.034%
78	14.092	2039	2041	2045	rVV	461304	449394	4.80%	0.273%
79	14.151	2048	2051	2057	rVB5	347416	647400	6.92%	0.393%
80	14.204	2057	2060	2064	rBV2	270423	318458	3.40%	0.193%
81	14.374	2084	2089	2091	rVV	746879	842366	9.00%	0.512%
82	14.404	2091	2094	2097	rVB	565181	523739	5.59%	0.318%
83	14.462	2097	2104	2107	rBV3	685187	1013441	10.83%	0.616%
84	14.498	2107	2110	2112	rVV	380592	378291	4.04%	0.230%
85	14.562	2117	2121	2128	rVB3	258589	426349	4.55%	0.259%
86	14.762	2151	2155	2158	rBV2	534982	642904	6.87%	0.391%
87	14.839	2164	2168	2171	rBV3	434006	555818	5.94%	0.338%
88	14.904	2176	2179	2186	rVB4	434723	602167	6.43%	0.366%
89	15.021	2194	2199	2202	rBV	2247126	3635830	38.84%	2.209%
90	15.098	2208	2212	2214	rBV2	600515	673483	7.19%	0.409%
91	15.121	2214	2216	2223	rVB	1048813	1244472	13.29%	0.756%
92	15.315	2245	2249	2255	rVB	1401533	1870314	19.98%	1.136%
93	15.380	2255	2260	2265	rVB	2033979	2542795	27.16%	1.545%
94	15.439	2265	2270	2273	rBV	1422646	1852548	19.79%	1.125%
95	15.468	2273	2275	2282	rVB3	940522	1308534	13.98%	0.795%
96	15.909	2345	2350	2355	rVB2	558664	812607	8.68%	0.494%
97	16.698	2478	2484	2487	rBV3	199033	426628	4.56%	0.259%
98	16.886	2510	2516	2525	rVB2	1085965	2109511	22.53%	1.282%
99	17.056	2540	2545	2550	rBV	221003	470022	5.02%	0.286%
100	17.327	2583	2591	2601	rVB	835391	1824827	19.49%	1.109%

Sum of corrected areas: 164611160

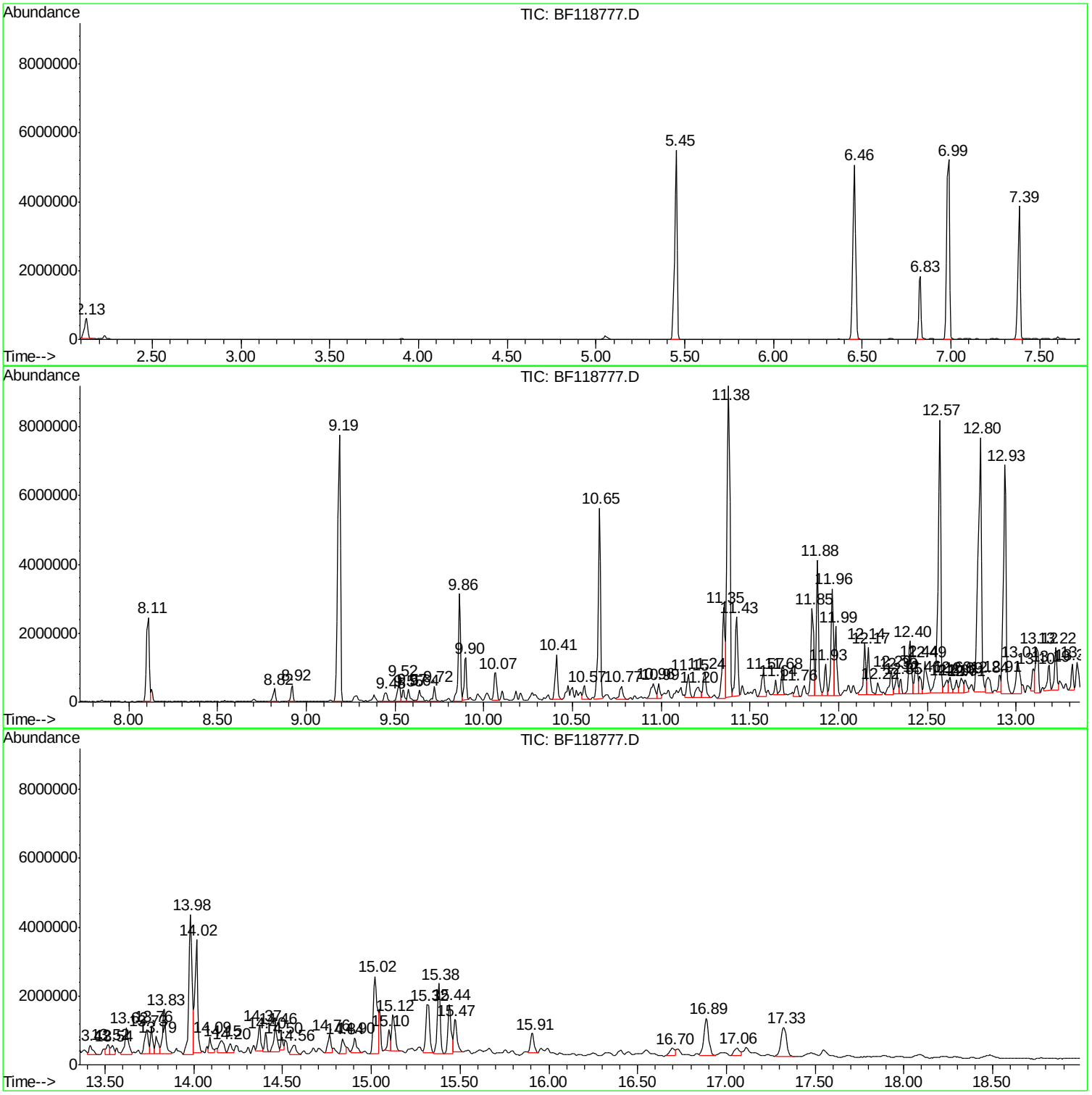
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013120\
Data File : BF118777.D
Acq On : 31 Jan 2020 13:06
Operator : CG/JU
Sample : L1319-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAINEY-PARK-BH-06-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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\BF013120\
Data File : BF118777.D
Acq On : 31 Jan 2020 13:06
Operator : CG/JU
Sample : L1319-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-06-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

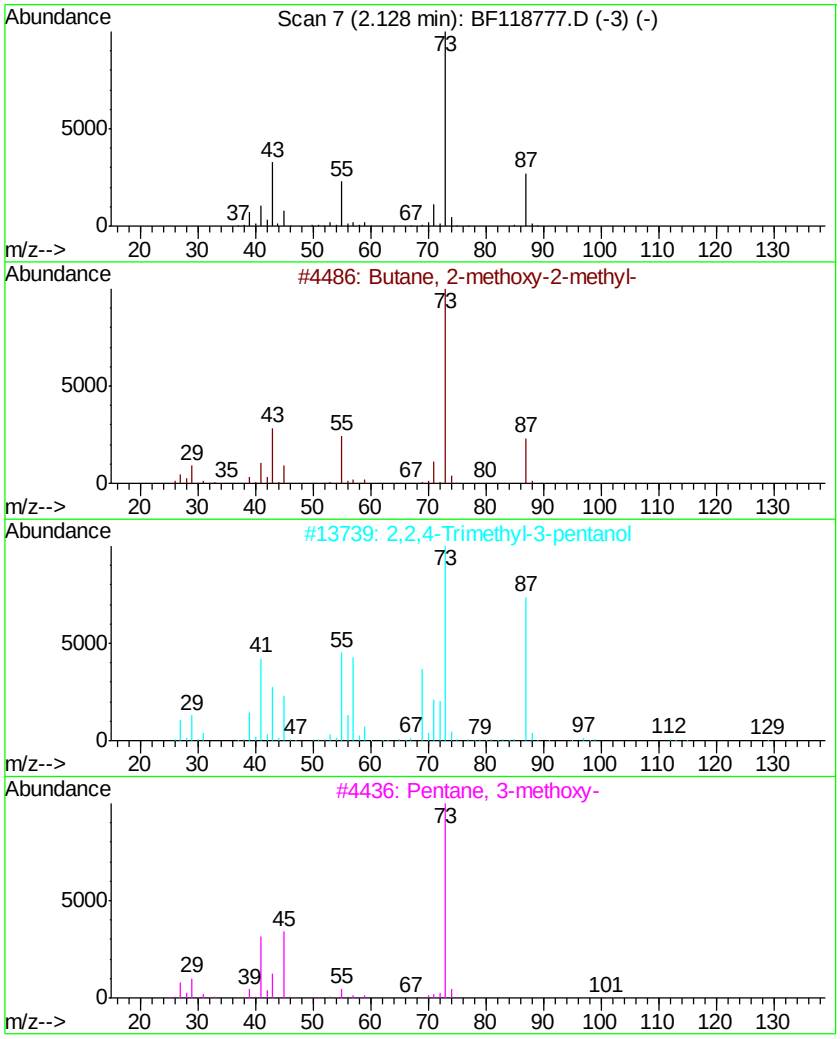
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

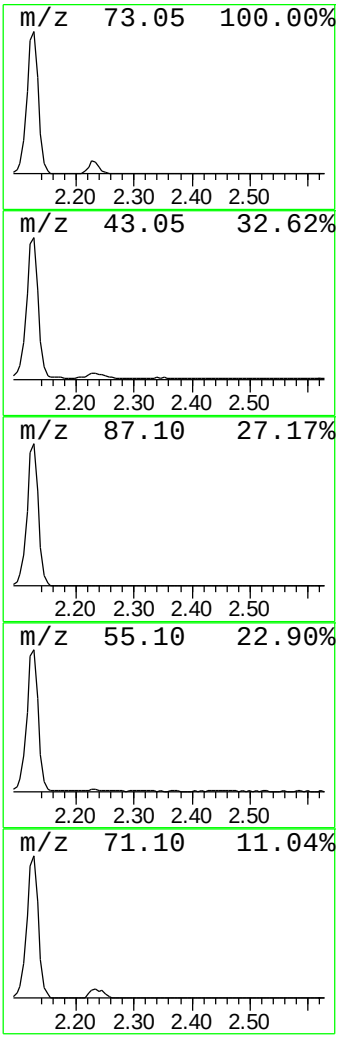
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	9.40 ng	799925	1,4-Dichlorobenzene-d4	6.83

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	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013120\
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Acq On : 31 Jan 2020 13:06
Operator : CG/JU
Sample : L1319-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAINEY-PARK-BH-06-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

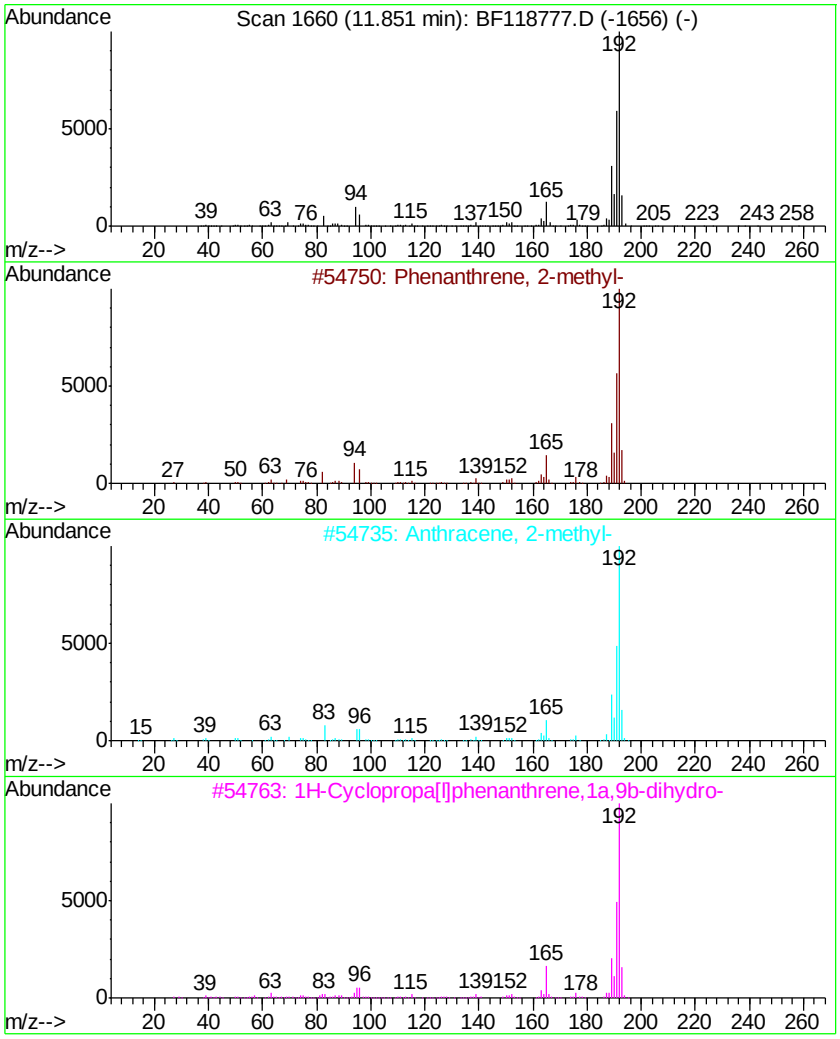
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

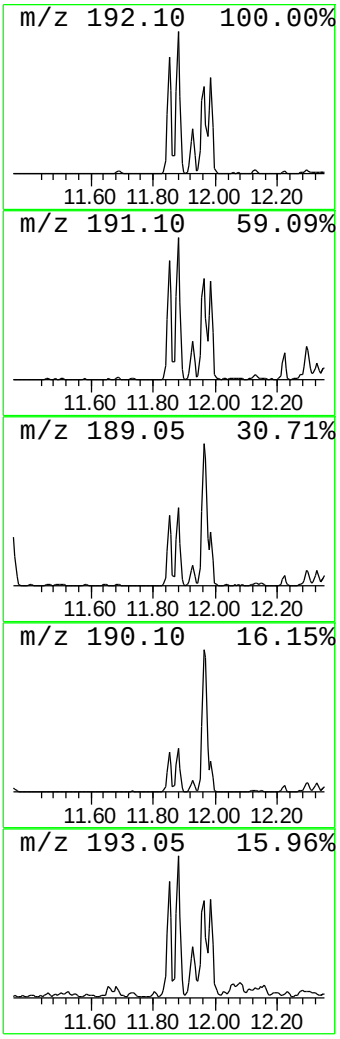
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	15.01 ng	2414820	Phenanthrene-d10	11.35

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, 4-methyl-	192	C15H12	000832-64-4	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Acq On : 31 Jan 2020 13:06
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAINEY-PARK-BH-06-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

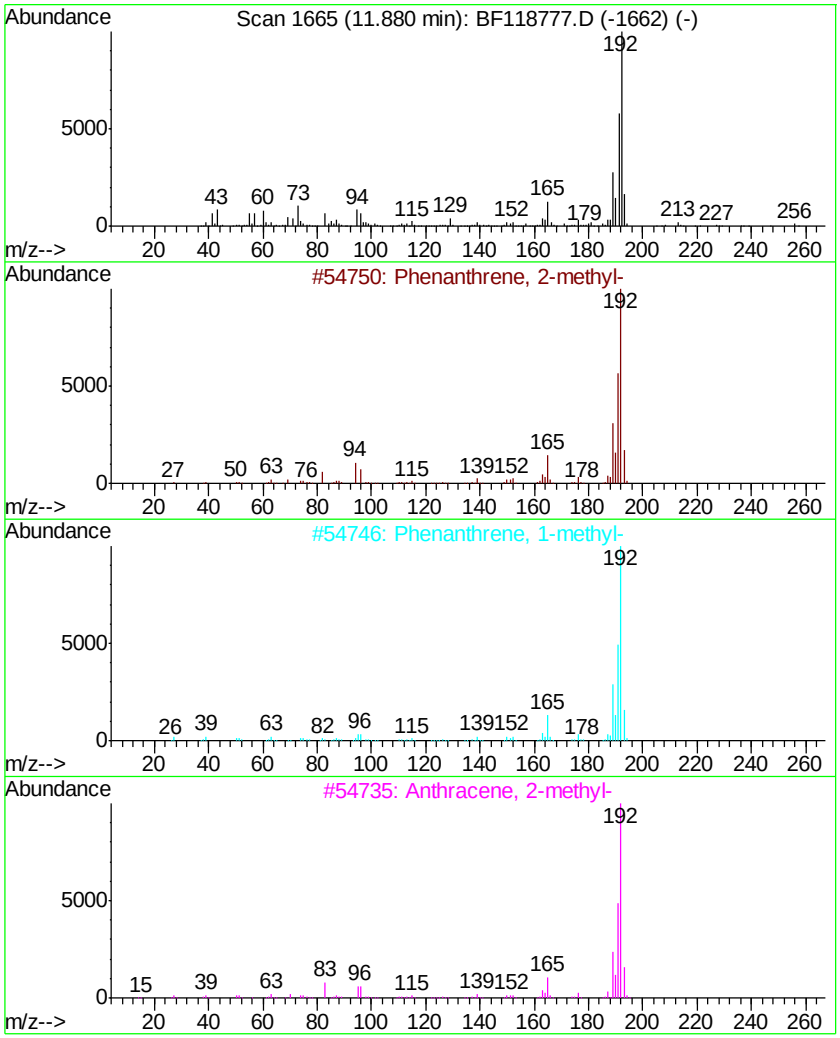
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

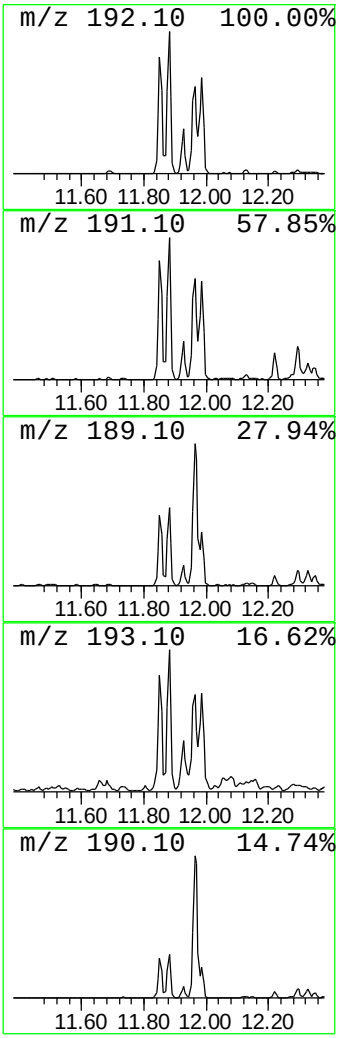
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	22.41 ng	3604980	Phenanthrene-d10	11.35

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, 9-methyl-	192	C15H12	000779-02-2	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013120\
Data File : BF118777.D
Acq On : 31 Jan 2020 13:06
Operator : CG/JU
Sample : L1319-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAINEY-PARK-BH-06-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

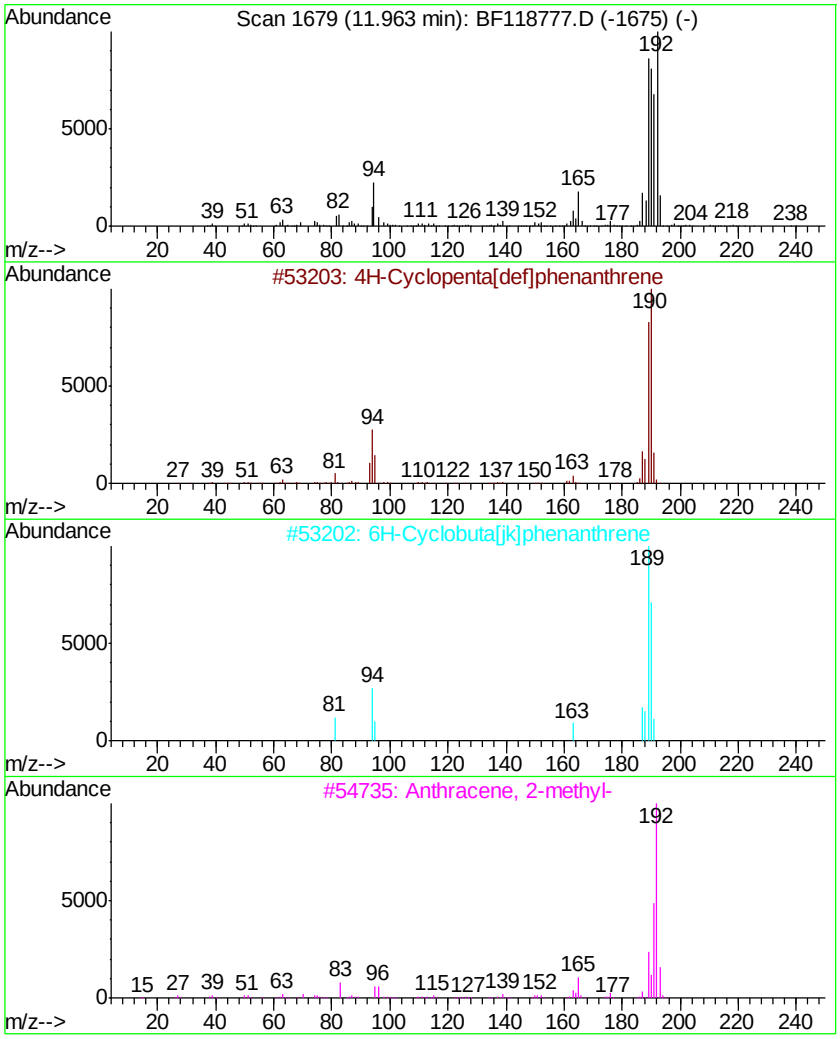
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

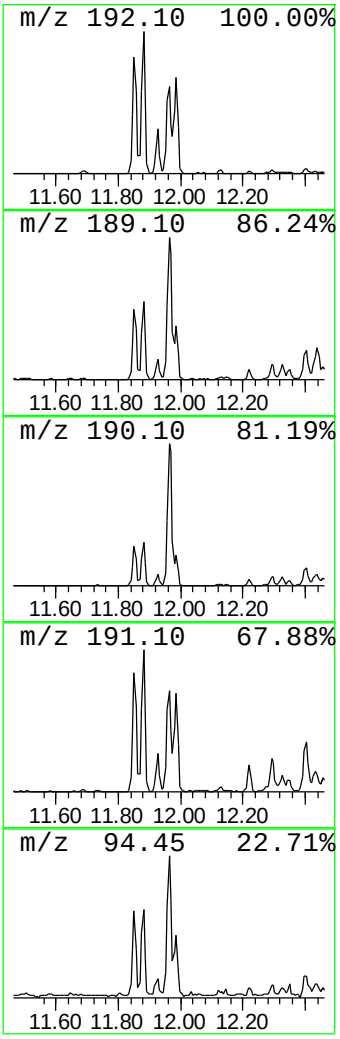
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	20.58 ng	3310280	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013120\
Data File : BF118777.D
Acq On : 31 Jan 2020 13:06
Operator : CG/JU
Sample : L1319-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAINEY-PARK-BH-06-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

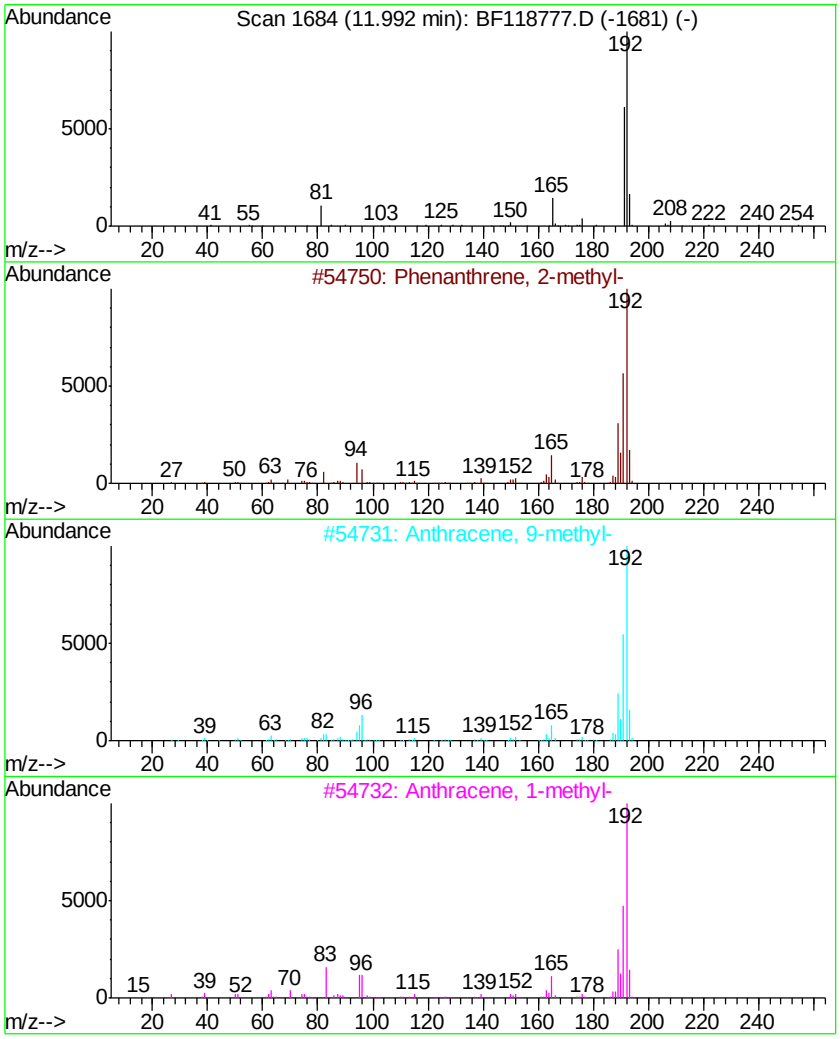
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

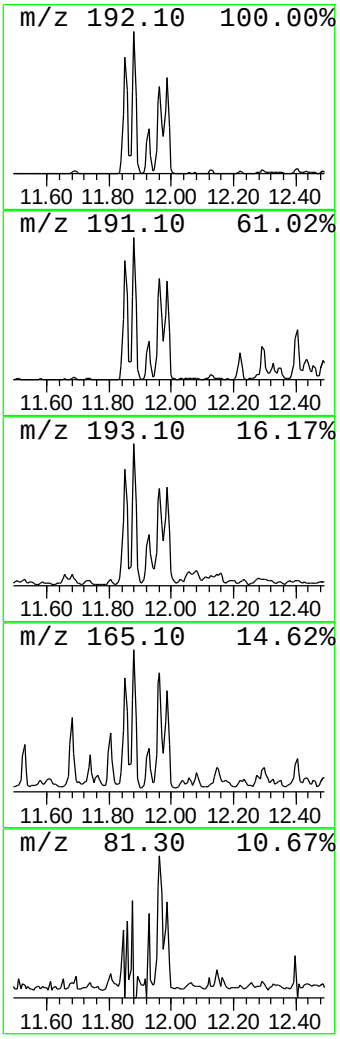
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	9.73 ng	1564390	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87





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Acq On : 31 Jan 2020 13:06
Operator : CG/JU
Sample : L1319-17
Misc :
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Instrument : BNA_F
ClientSampleId : RAINEY-PARK-BH-06-A

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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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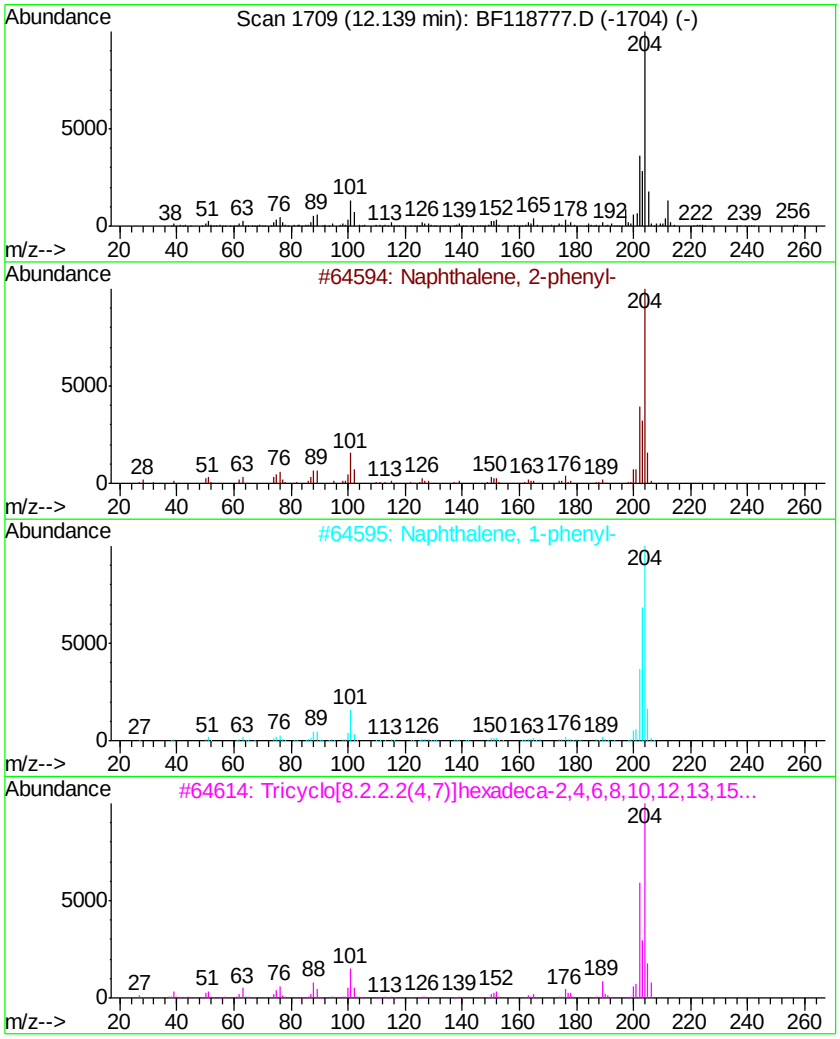
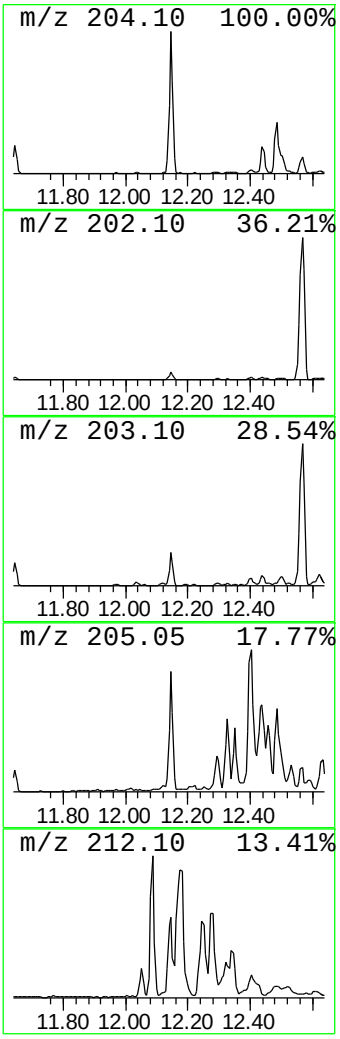
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	9.46 ng	1522260	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
5	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	53





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ClientSampleId : RAINEY-PARK-BH-06-A

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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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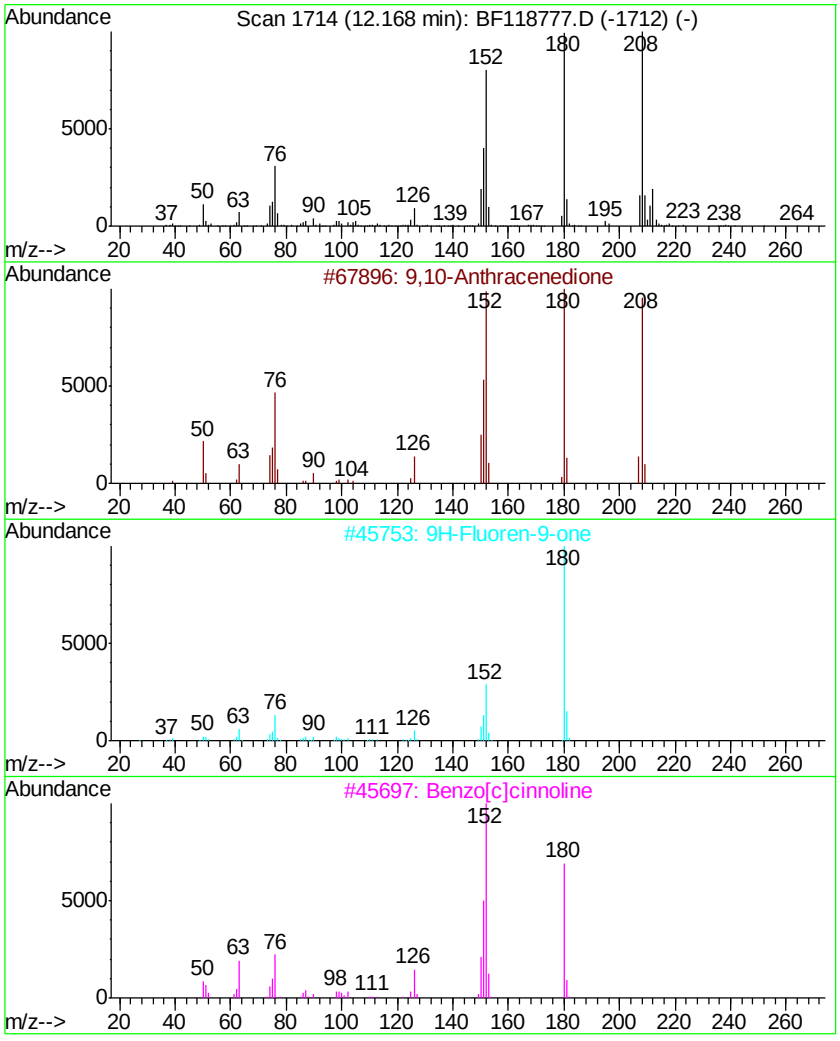
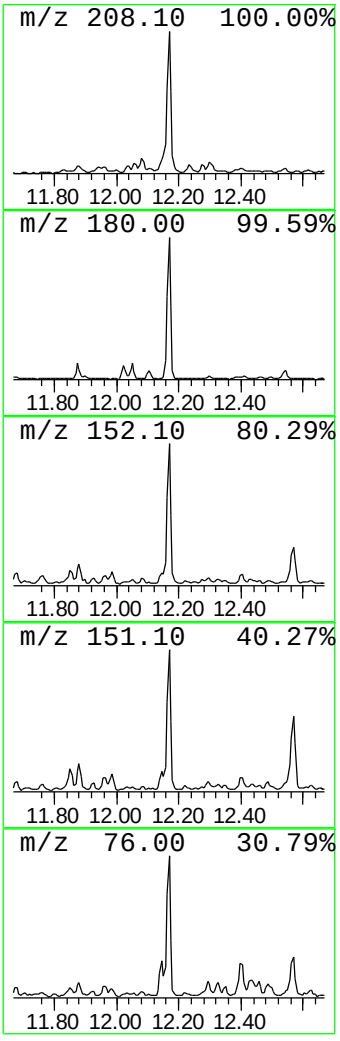
Peak Number 8 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	7.51 ng	1207400	Phenanthrene-d10	11.35

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	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





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TIC Integration Parameters: LSCINT.P

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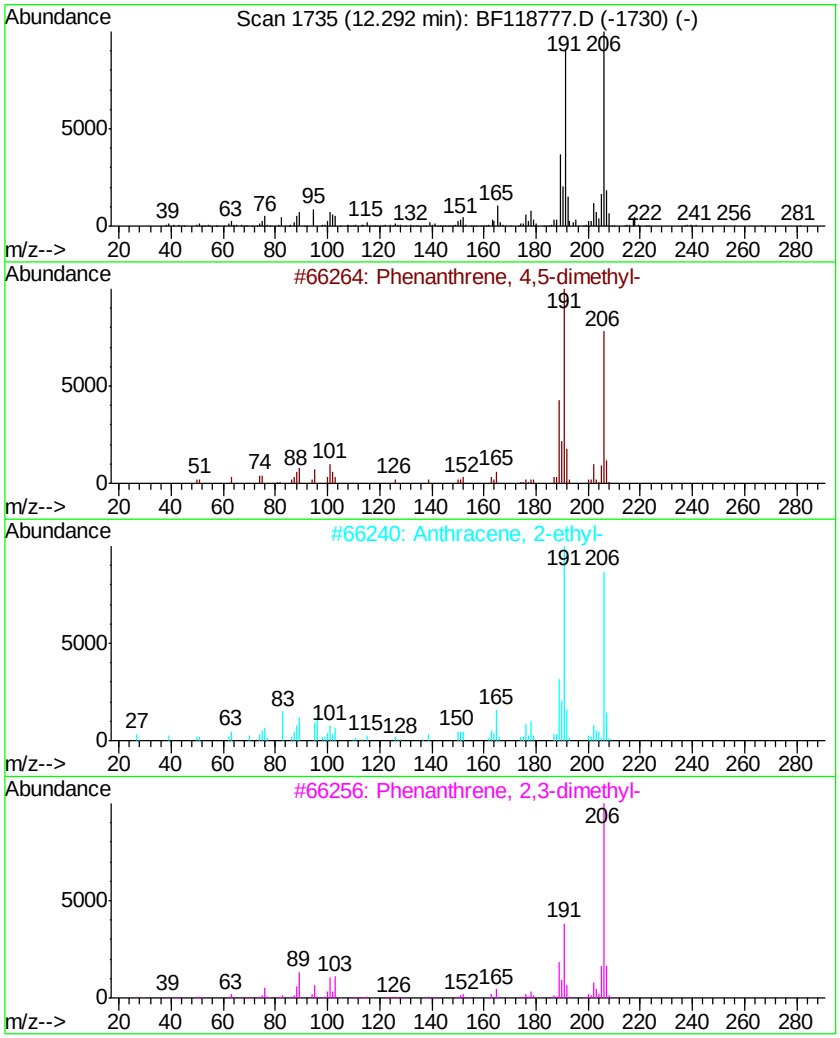
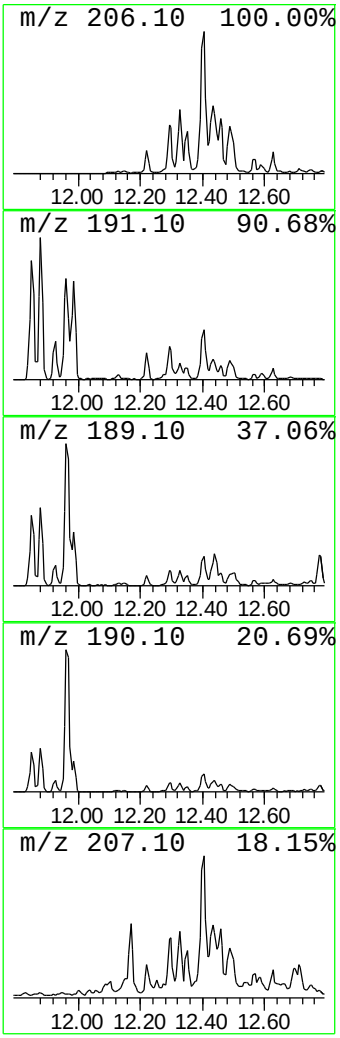
Peak Number 9 Phenanthrene, 4,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	5.64 ng	906485	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	86
5	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	81





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ClientSampleId : RAINEY-PARK-BH-06-A

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

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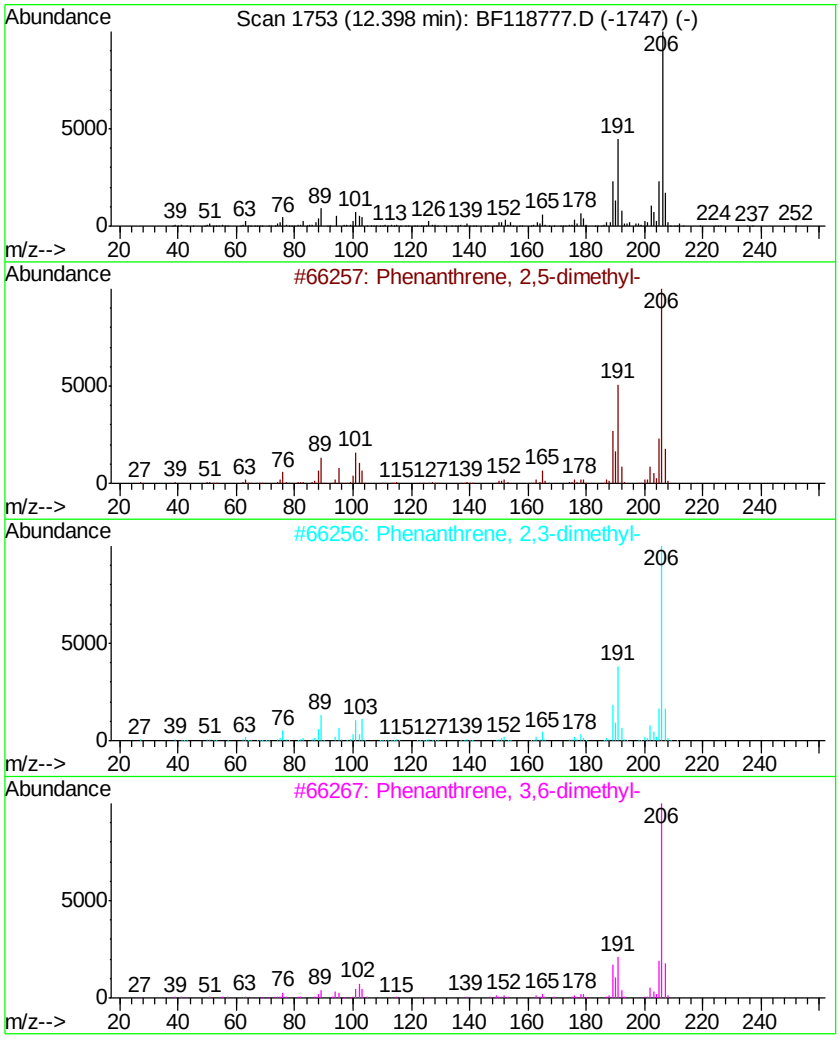
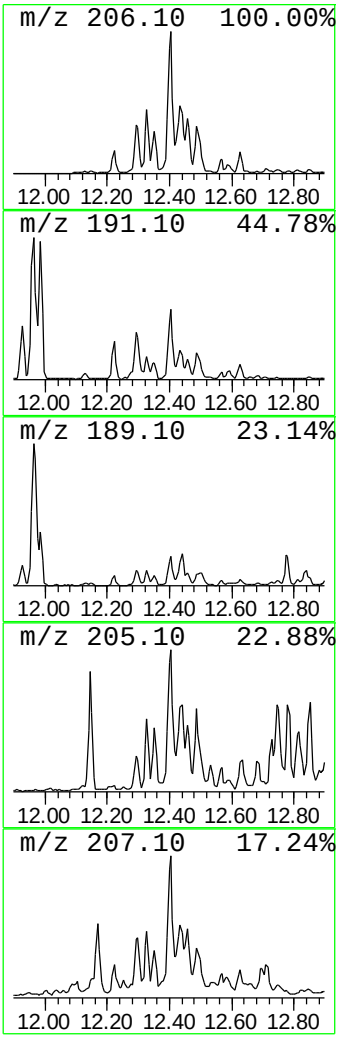
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	10.54 ng	1694880	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Sample : L1319-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

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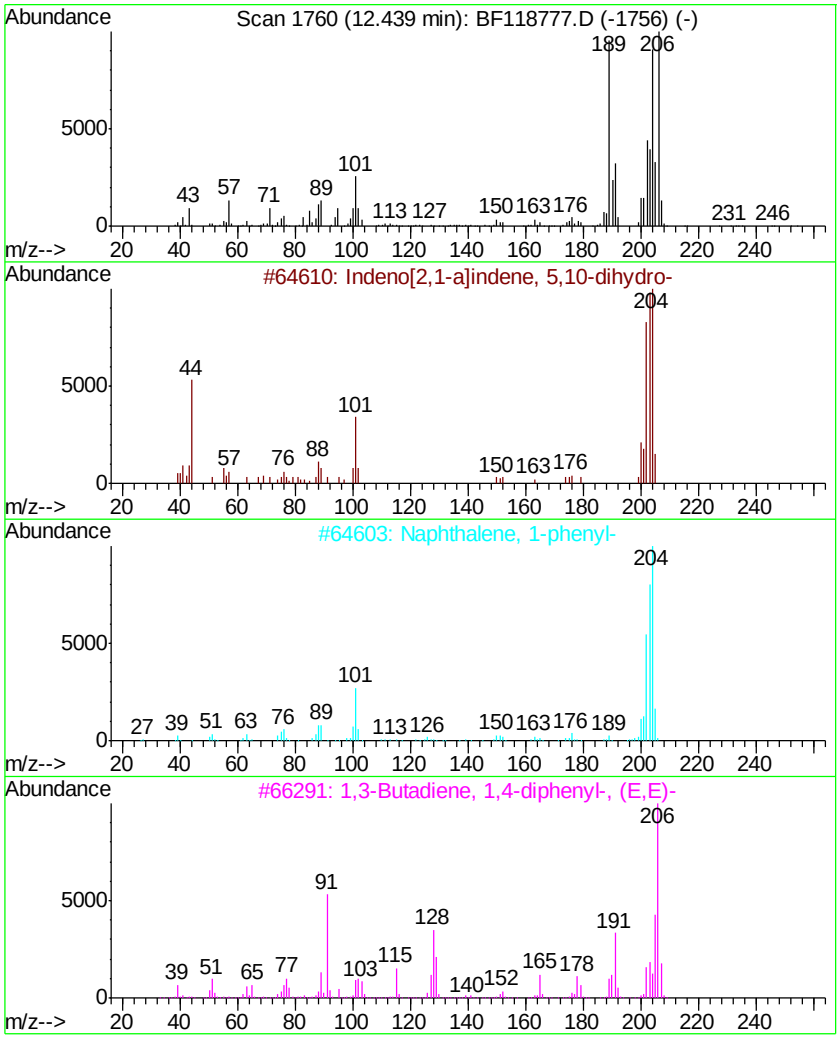
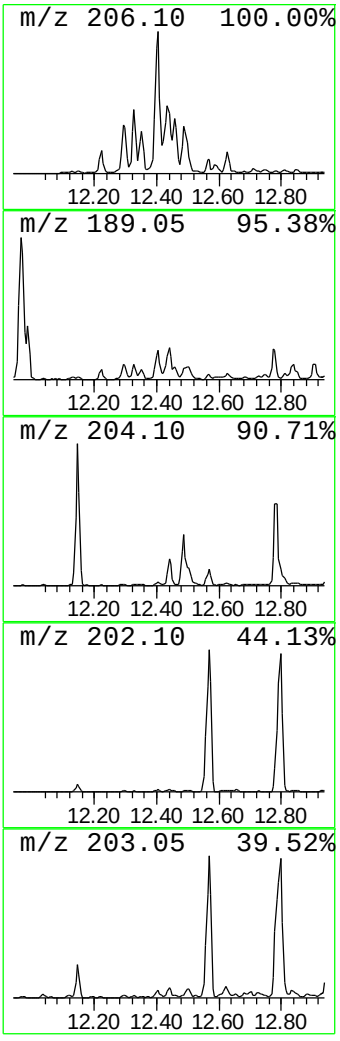
Peak Number 11 unknown12.44 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	7.97 ng	1282430	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	44
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	30





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

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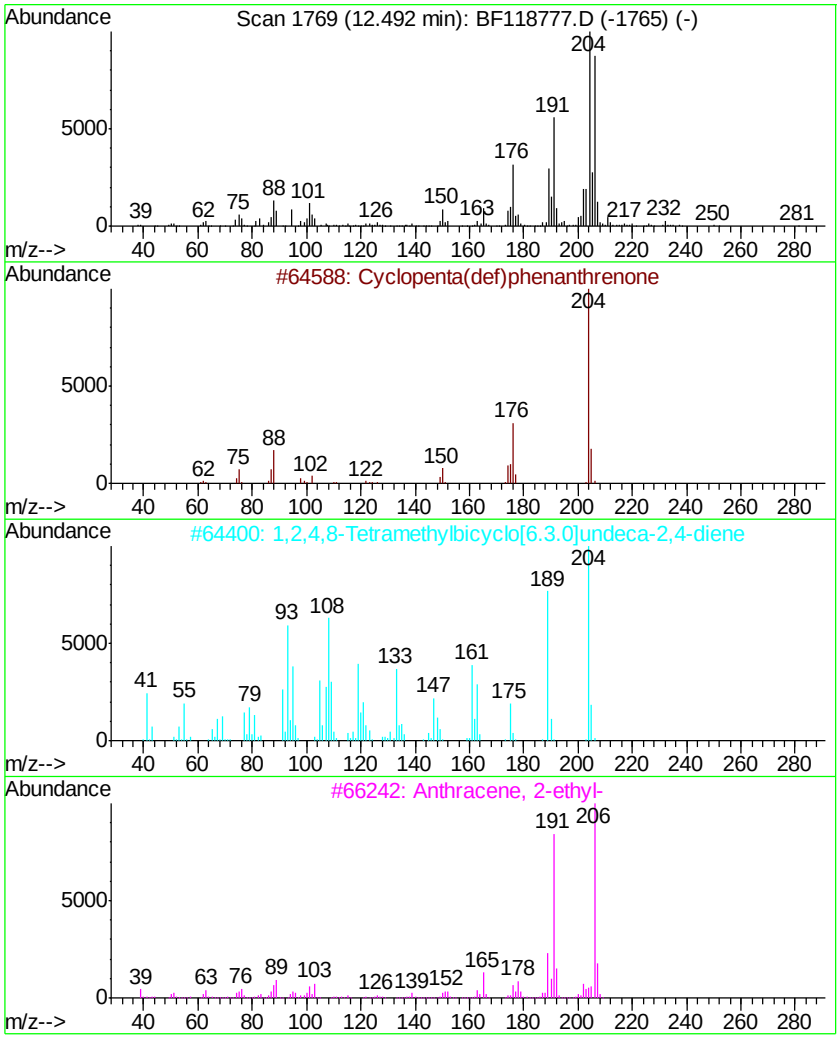
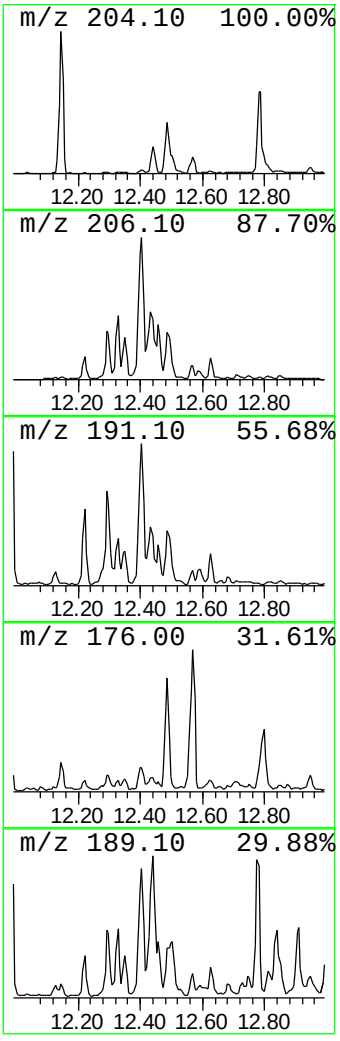
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	7.63 ng	1227320	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	38
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	35





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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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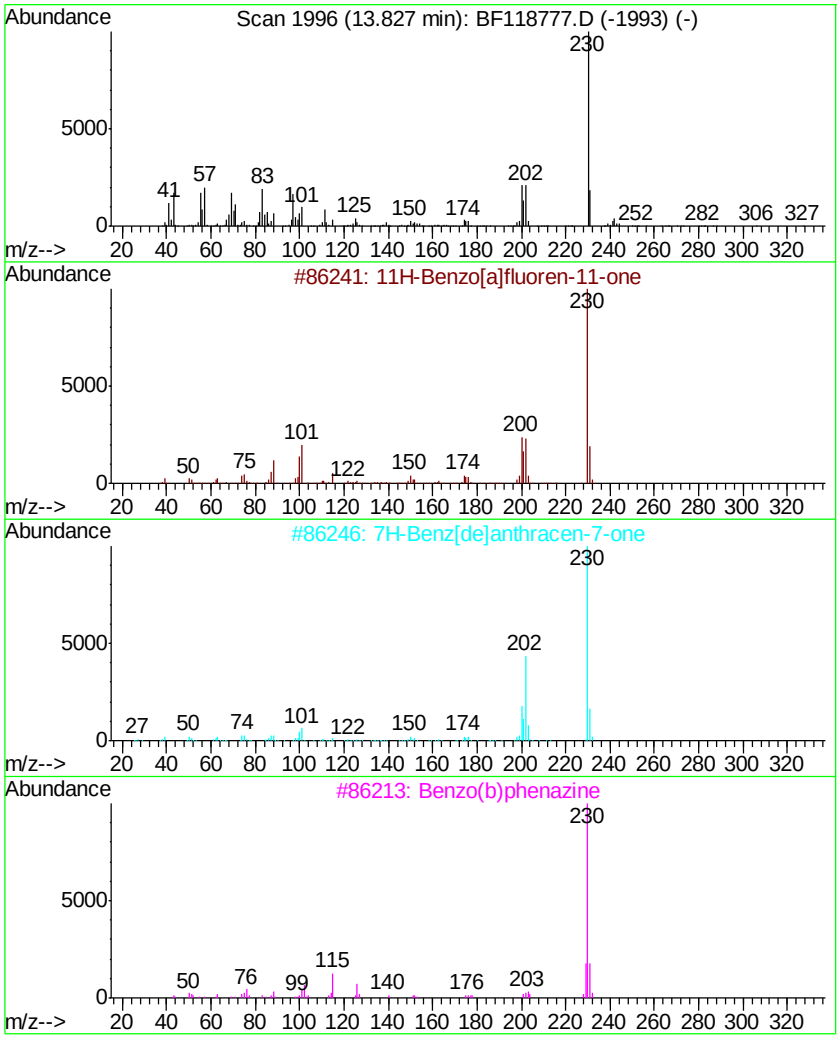
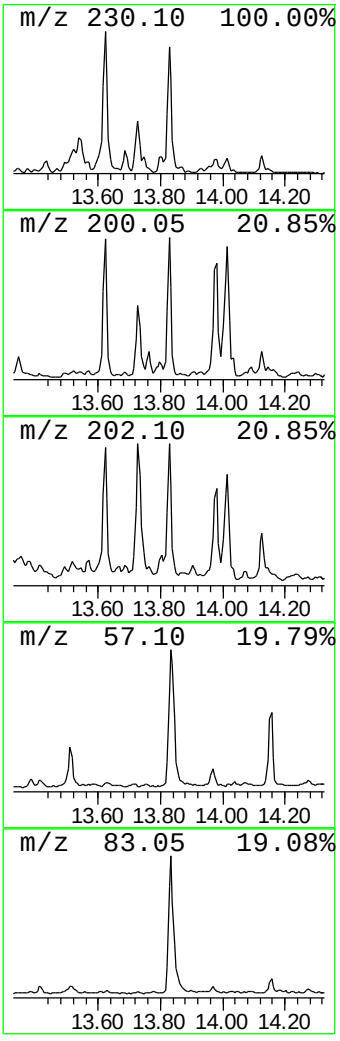
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	5.95 ng	1702110	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	55
3	Benzo(b)phenazine	230	C16H10N2	000257-97-6	38
4	m-Terphenyl	230	C18H14	000092-06-8	38
5	p-Terphenyl	230	C18H14	000092-94-4	38





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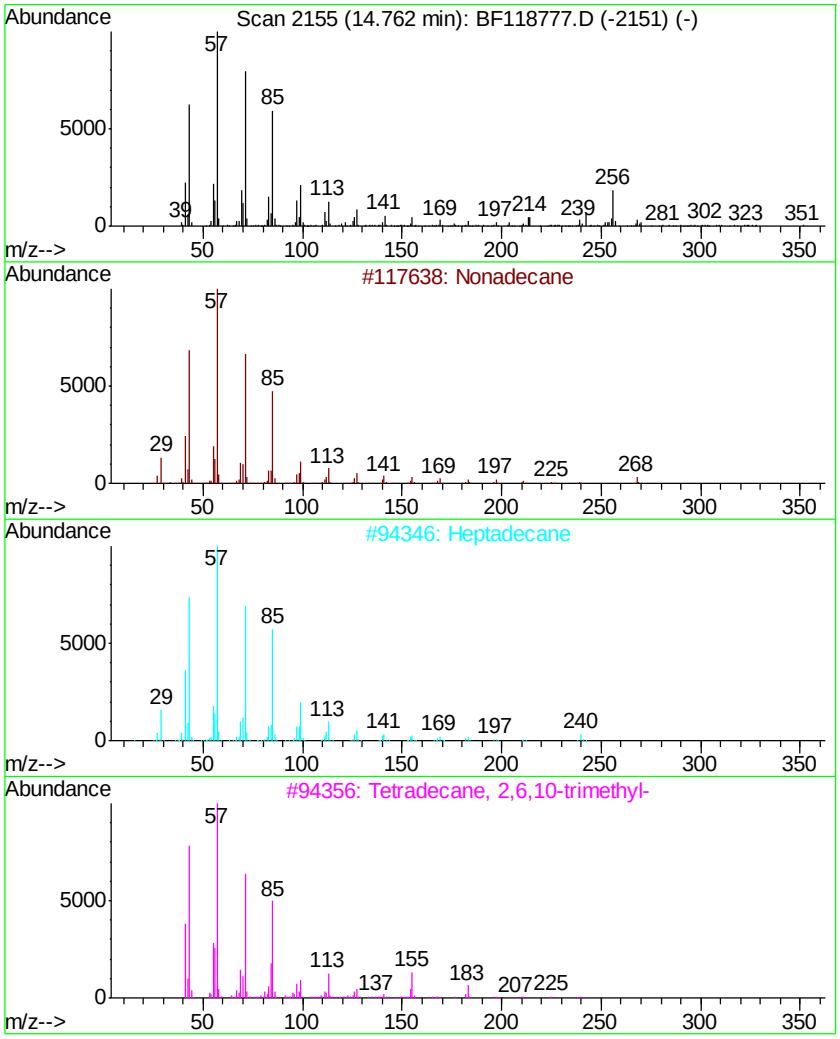
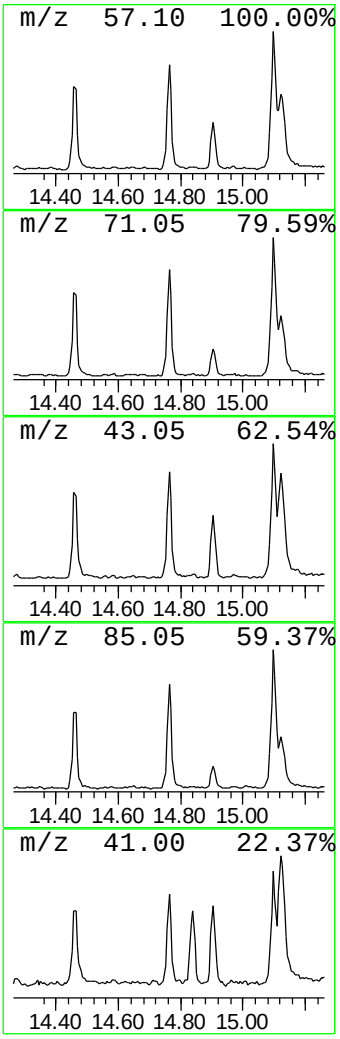
Peak Number 14 Nonadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	6.94 ng	642904	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	96
2	Heptadecane	240	C17H36	000629-78-7	91
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	90
4	Triacontane	422	C30H62	000638-68-6	87
5	2-methyloctacosane	408	C29H60	1000376-72-8	87





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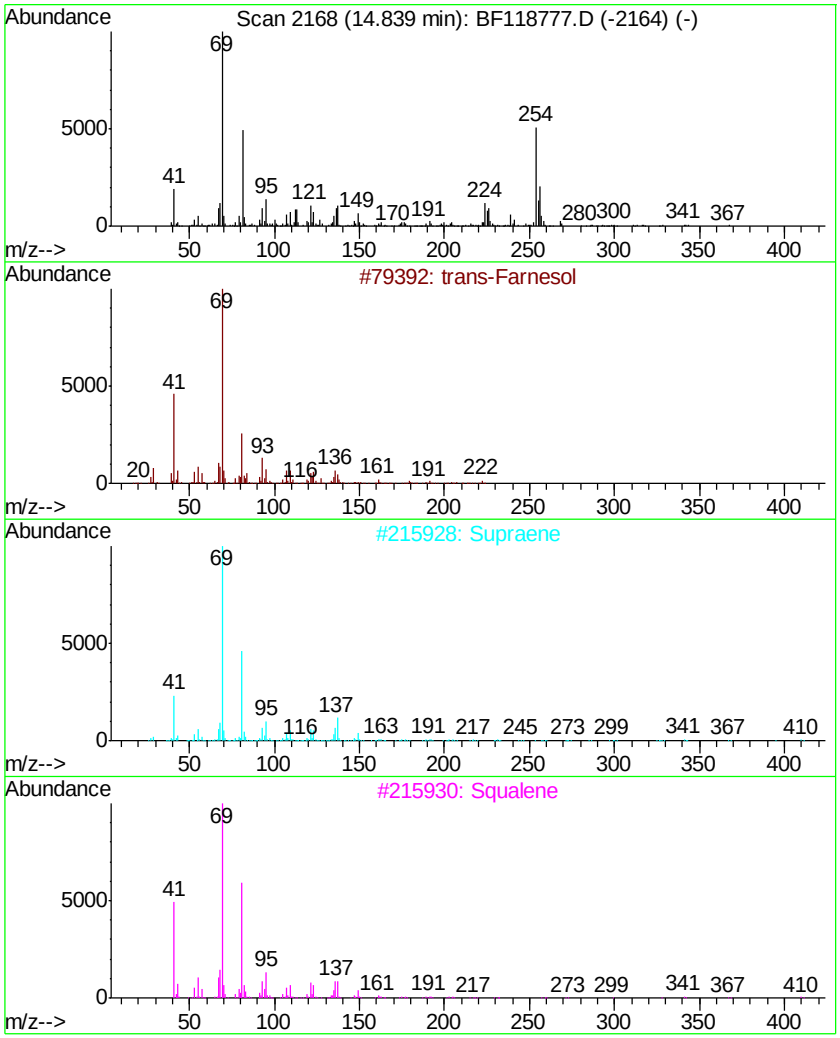
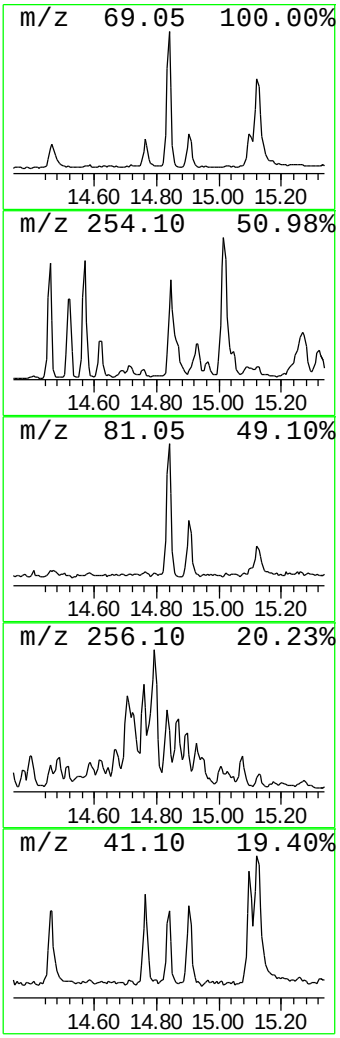
Peak Number 15 trans-Farnesol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	6.00 ng	555818	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Farnesol	222	C15H26O	000106-28-5	50
2	Supraene	410	C30H50	007683-64-9	49
3	Squalene	410	C30H50	000111-02-4	49
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	38
5	.beta.-Citronellol, chlorodifluo...	268	C12H19ClF2O2	1000376-20-8	30





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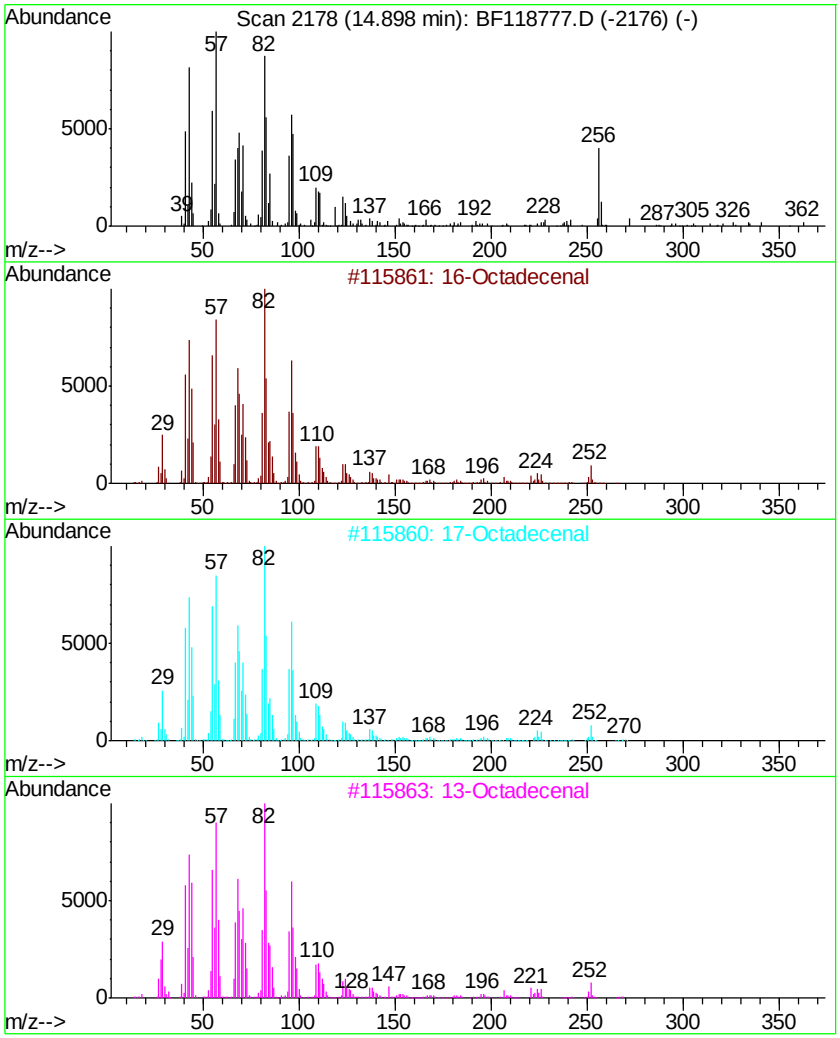
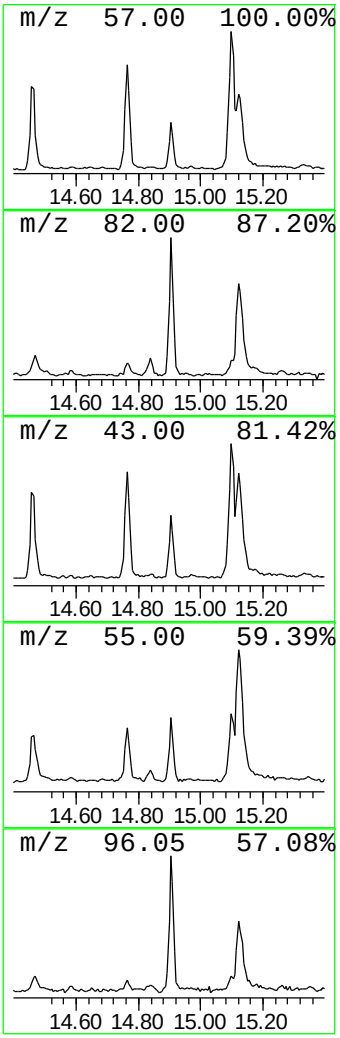
Peak Number 16 16-Octadecenal Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	6.50 ng	602167	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenal	266	C18H34O	056554-87-1	94
2	17-Octadecenal	266	C18H34O	056554-86-0	94
3	13-Octadecenal	266	C18H34O	056554-90-6	93
4	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91





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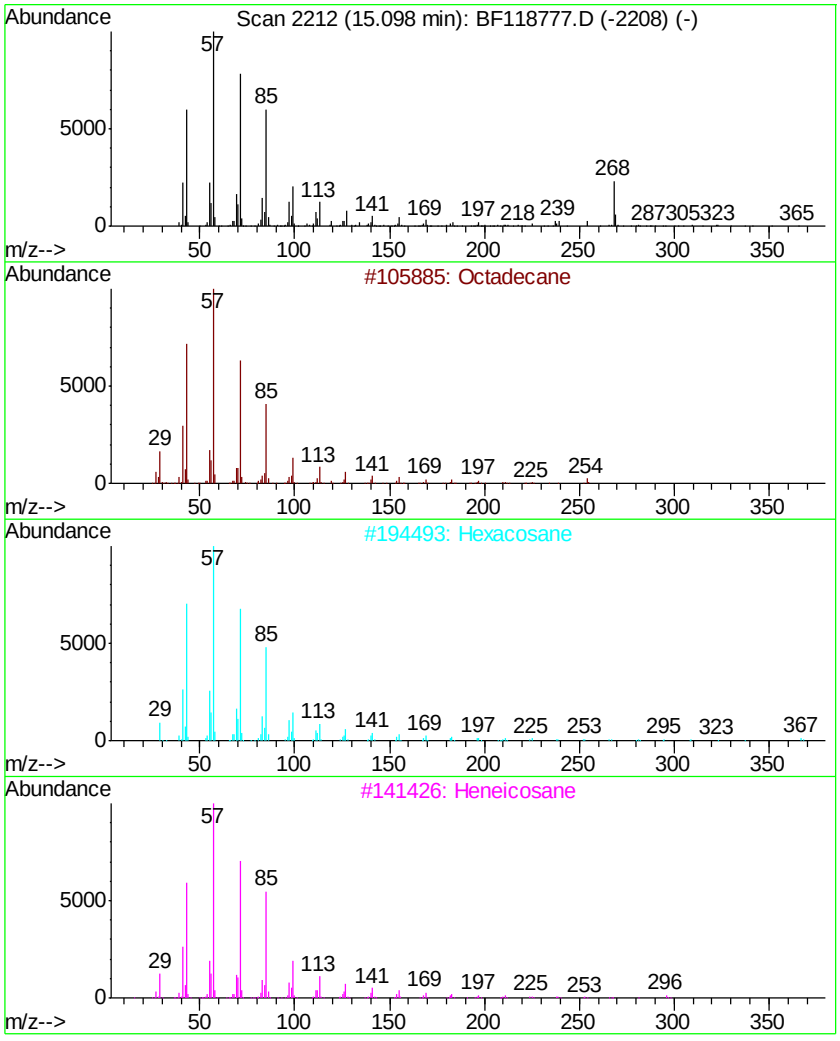
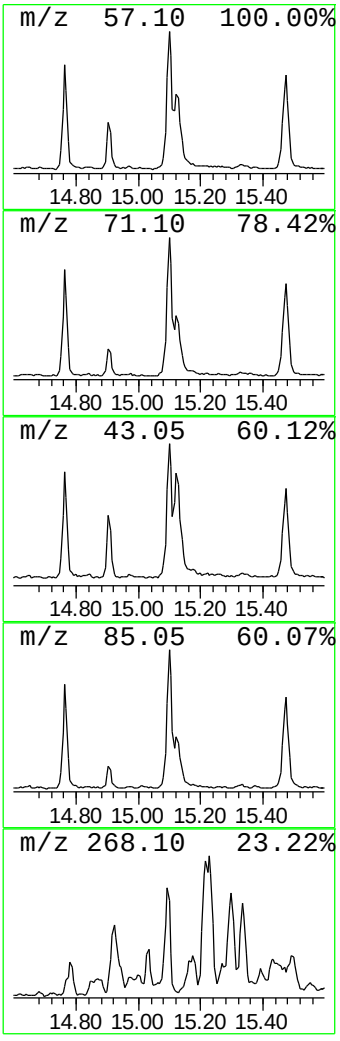
Peak Number 17 Octadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	7.27 ng	673483	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	98
2	Hexacosane	366	C26H54	000630-01-3	87
3	Heneicosane	296	C21H44	000629-94-7	87
4	2-methyloctacosane	408	C29H60	1000376-72-8	87
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	80





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Acq On : 31 Jan 2020 13:06
Operator : CG/JU
Sample : L1319-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAINEY-PARK-BH-06-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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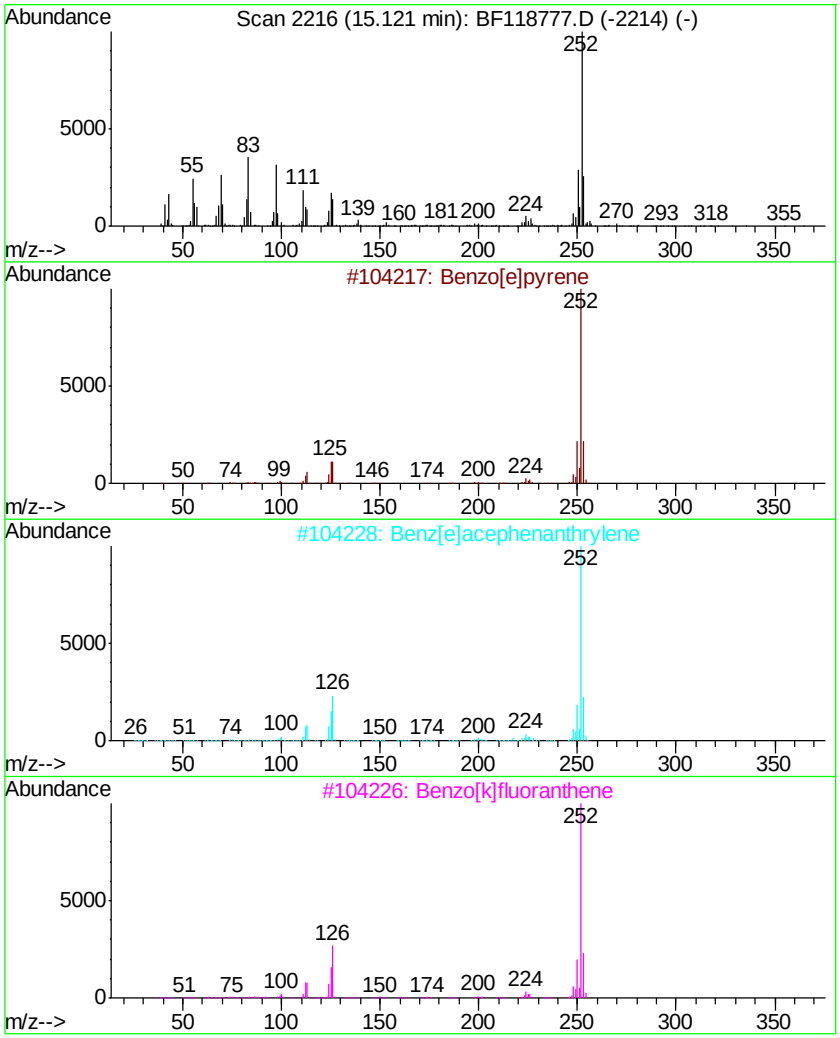
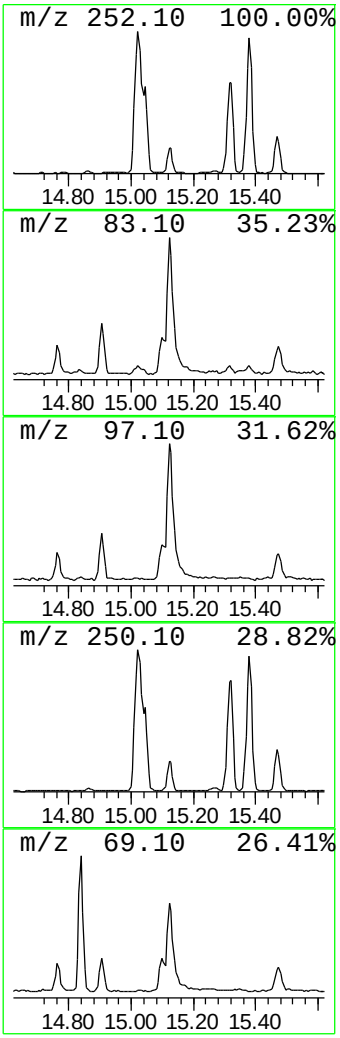
Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	13.44 ng	1244470	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	92
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86
5	Benzo[a]pyrene	252	C20H12	000050-32-8	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013120\
Data File : BF118777.D
Acq On : 31 Jan 2020 13:06
Operator : CG/JU
Sample : L1319-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAINEY-PARK-BH-06-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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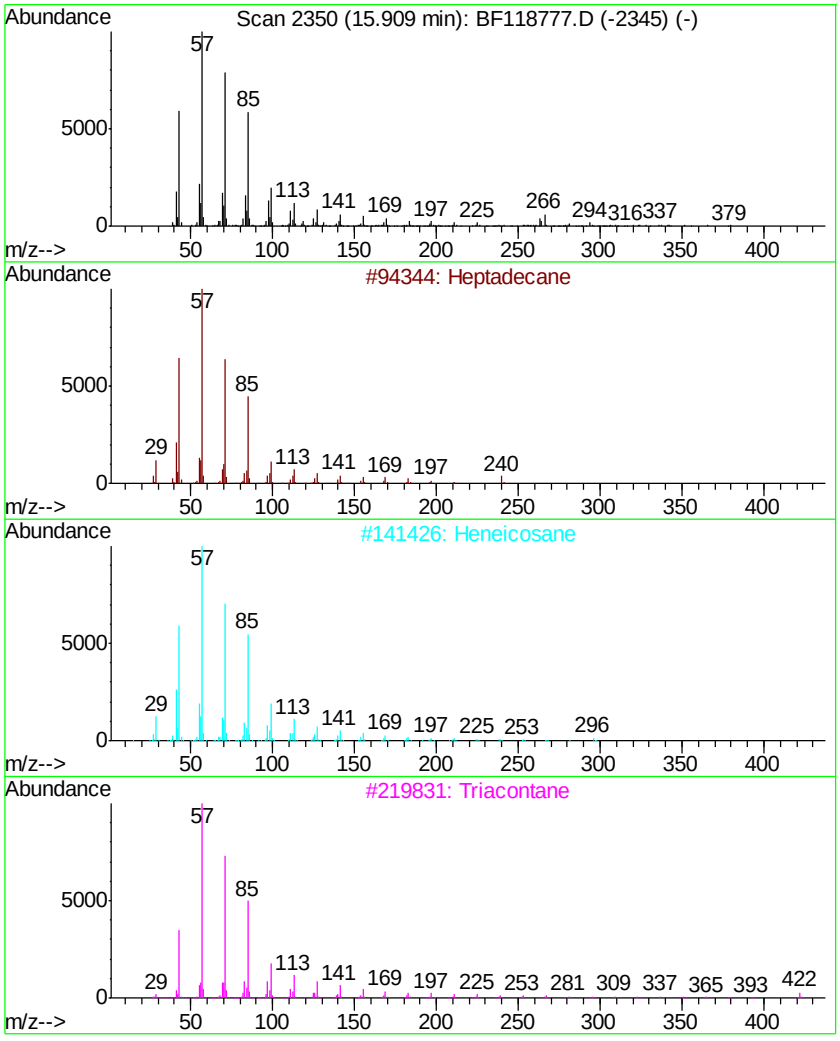
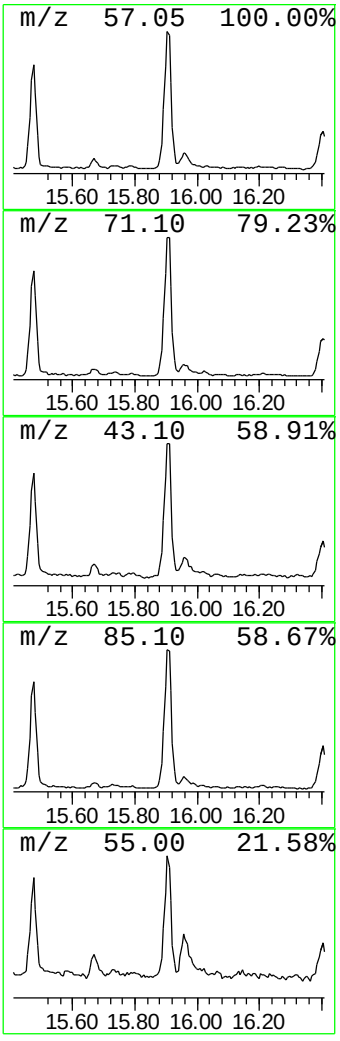
Peak Number 20 Heptadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	8.77 ng	812607	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Heneicosane	296	C21H44	000629-94-7	90
3	Triacontane	422	C30H62	000638-68-6	90
4	2-methyloctacosane	408	C29H60	1000376-72-8	90
5	Heptacosane	380	C27H56	000593-49-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF013120\
Data File : BF118777.D
Acq On : 31 Jan 2020 13:06
Operator : CG/JU
Sample : L1319-17
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAINEY-PARK-BH-06-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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...	2.13	9.4	ng	799925	1	6.83	1701610	20.0
Phenanthrene, 2-m...	11.85	15.0	ng	2414820	4	11.35	3216950	20.0
Phenanthrene, 1-m...	11.88	22.4	ng	3604980	4	11.35	3216950	20.0
4H-Cyclopenta[def...	11.96	20.6	ng	3310280	4	11.35	3216950	20.0
Anthracene, 9-met...	11.99	9.7	ng	1564390	4	11.35	3216950	20.0
Naphthalene, 2-ph...	12.14	9.5	ng	1522260	4	11.35	3216950	20.0
9,10-Anthracenedione	12.17	7.5	ng	1207400	4	11.35	3216950	20.0
Phenanthrene, 4,5...	12.29	5.6	ng	906485	4	11.35	3216950	20.0
Phenanthrene, 2,5...	12.40	10.5	ng	1694880	4	11.35	3216950	20.0
unknown12.44	12.44	8.0	ng	1282430	4	11.35	3216950	20.0
Cyclopenta(def)ph...	12.49	7.6	ng	1227320	4	11.35	3216950	20.0
11H-Benzo[a]fluor...	13.83	6.0	ng	1702110	5	13.99	5717030	20.0
Nonadecane	14.76	6.9	ng	642904	6	15.44	1852550	20.0
trans-Farnesol	14.84	6.0	ng	555818	6	15.44	1852550	20.0
16-Octadecenal	14.90	6.5	ng	602167	6	15.44	1852550	20.0
Octadecane	15.10	7.3	ng	673483	6	15.44	1852550	20.0
Benzo[e]pyrene	15.12	13.4	ng	1244470	6	15.44	1852550	20.0
Heptadecane	15.91	8.8	ng	812607	6	15.44	1852550	20.0