LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114886.D
Acq On : 7 Jun 2019 2:01
Operator : HP/JU
Sample : K3097-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

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-BF060419.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	3.610	250	259	267	rVB	153629	244737	3.20%	0.232%
2	5.269	537	541	545	rBV	2434241	2235120	29.19%	2.120%
3	6.304	713	717	730	rBV	2766890	2378542	31.06%	2.256%
4	6.434	735	739	743	rBV	2724018	2471824	32.28%	2.344%
5	6.669	775	779	783	rBV	2800230	2298575	30.02%	2.180%
6	6.828	802	806	809	rBV	2231183	1867086	24.38%	1.771%
7	7.228	866	874	883	rBV	1637872	1380017	18.02%	1.309%
8	7.951	993	997	1000	rBV	3536082	2839185	37.08%	2.693%
9	9.028	1176	1180	1183	rBV	3064470	2554219	33.36%	2.422%
10	9.222	1207	1213	1219	rVB	163006	188042	2.46%	0.178%
11	9.286	1220	1224	1233	rVV	342742	479326	6.26%	0.455%
12	9.363	1233	1237	1239	rVV	523029	493959	6.45%	0.468%
13	9.386	1239	1241	1244	rVV	196343	167183	2.18%	0.159%
14	9.422	1244	1247	1249	rVV	253019	234224	3.06%	0.222%
15	9.475	1253	1256	1263	rVV	234980	285835	3.73%	0.271%
16	9.557	1265	1270	1277	rBV	409599	349330	4.56%	0.331%
17	9.698	1288	1294	1297	rBV	3354398	3048176	39.81%	2.891%
18	9.733	1297	1300	1303	rVB	2347607	2030940	26.52%	1.926%
19	9.857	1317	1321	1323	rBV2	200268	173460	2.27%	0.165%
20	9.904	1325	1329	1332	rVV	1370759	1187589	15.51%	1.126%
21	9.945	1333	1336	1339	rVB	190952	166417	2.17%	0.158%
22	10.016	1344	1348	1351	rBV2	139665	150186	1.96%	0.142%
23	10.045	1351	1353	1356	rVB	219272	162567	2.12%	0.154%
24	10.110	1359	1364	1365	rBV	130452	152733	1.99%	0.145%
25	10.245	1383	1387	1390	rBV	2123738	1946773	25.42%	1.846%
26	10.310	1396	1398	1399	rVV	267603	211072	2.76%	0.200%
27	10.328	1399	1401	1404	rVV	472759	398844	5.21%	0.378%
28	10.375	1407	1409	1411	rVV	272737	218352	2.85%	0.207%
29	10.398	1411	1413	1419	rVB	617415	606987	7.93%	0.576%
30	10.480	1419	1427	1432	rBV	2111808	2158506	28.19%	2.047%
31	10.528	1432	1435	1438	rVB2	160982	150547	1.97%	0.143%
32	10.669	1456	1459	1464	rBV	402186	419468	5.48%	0.398%
33	10.786	1472	1479	1482	rBV2	526462	726659	9.49%	0.689%
34	10.816	1482	1484	1487	rVV2	244743	221465	2.89%	0.210%

LSC Area Percent Report

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Acq On : 7 Jun 2019 2:01
Operator : HP/JU
Sample : K3097-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

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-BF060419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.869	1490	1493	1496	rVB3	240112	248532	3.25%	0.236%
36	10.916	1500	1501	1503	rVV	283553	254029	3.32%	0.241%
37	10.939	1503	1505	1507	rVV	349130	321738	4.20%	0.305%
38	11.033	1517	1521	1524	rBV2	555462	682766	8.92%	0.648%
39	11.069	1524	1527	1530	rVV	661088	620615	8.10%	0.589%
40	11.175	1541	1545	1547	rBV	2981870	2882683	37.65%	2.734%
41	11.204	1547	1550	1553	rVV	6066779	5929372	77.43%	5.623%
42	11.251	1553	1558	1561	rVV	2288633	2046097	26.72%	1.940%
43	11.286	1561	1564	1567	rVB2	198811	219473	2.87%	0.208%
44	11.433	1586	1589	1593	rBV	141429	161644	2.11%	0.153%
45	11.475	1593	1596	1598	rVB	178336	152402	1.99%	0.145%
46	11.586	1612	1615	1619	rVB	160097	154763	2.02%	0.147%
47	11.675	1624	1630	1632	rBV	1372783	1163208	15.19%	1.103%
48	11.704	1632	1635	1639	rVV	1593948	1370802	17.90%	1.300%
49	11.751	1639	1643	1645	rVV	815953	755153	9.86%	0.716%
50	11.786	1645	1649	1651	rVV	2134808	2100746	27.43%	1.992%
51	11.804	1651	1652	1657	rVB	746539	563846	7.36%	0.535%
52	11.969	1677	1680	1683	rVB	935728	733712	9.58%	0.696%
53	12.116	1700	1705	1708	rBV2	321545	369185	4.82%	0.350%
54	12.151	1708	1711	1712	rVV	214665	185662	2.42%	0.176%
55	12.169	1712	1714	1717	rVB	185369	168029	2.19%	0.159%
56	12.222	1719	1723	1726	rBV	473233	547260	7.15%	0.519%
57	12.257	1726	1729	1731	rVV2	330975	379765	4.96%	0.360%
58	12.280	1731	1733	1735	rVB2	186247	140598	1.84%	0.133%
59	12.310	1735	1738	1742	rBV2	178865	268627	3.51%	0.255%
60	12.386	1746	1751	1754	rBV	7772481	7576376	98.94%	7.185%
61	12.433	1754	1759	1761	rVV2	154071	151589	1.98%	0.144%
62	12.469	1763	1765	1768	rVB	199782	173566	2.27%	0.165%
63	12.527	1772	1775	1780	rVB	317531	353627	4.62%	0.335%
64	12.610	1783	1789	1792	rBV2	6014445	7657531	100.00%	7.262%
65	12.657	1795	1797	1803	rVB2	461352	466966	6.10%	0.443%
66	12.727	1805	1809	1811	rBV	650215	601460	7.85%	0.570%
67	12.751	1811	1813	1820	rVB	2148792	2008191	26.23%	1.904%
68	12.827	1820	1826	1833	rBV3	664688	1172551	15.31%	1.112%
69	12.933	1837	1844	1848	rVB	2065067	2513494	32.82%	2.384%
70	12.998	1852	1855	1858	rBV	1994244	1873689	24.47%	1.777%
71	13.039	1858	1862	1864	rVV	949947	981573	12.82%	0.931%

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Operator : HP/JU
Sample : K3097-10 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

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
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.063	1864	1866	1869	rVV	249319	268166	3.50%	0.254%
73	13.092	1869	1871	1874	rVV2	204340	186446	2.43%	0.177%
74	13.127	1874	1877	1880	rVV	471576	403769	5.27%	0.383%
75	13.157	1880	1882	1889	rVB2	524968	562747	7.35%	0.534%
76	13.286	1901	1904	1906	rBV	257613	213479	2.79%	0.202%
77	13.339	1910	1913	1914	rVV	194379	200146	2.61%	0.190%
78	13.357	1914	1916	1919	rVB	401264	354625	4.63%	0.336%
79	13.416	1923	1926	1929	rBV	398536	509247	6.65%	0.483%
80	13.545	1945	1948	1951	rBV	435110	465529	6.08%	0.441%
81	13.574	1951	1953	1955	rBV	487621	362014	4.73%	0.343%
82	13.598	1955	1957	1958	rBV	239464	177650	2.32%	0.168%
83	13.716	1975	1977	1980	rVB	163118	141026	1.84%	0.134%
84	13.792	1983	1990	1993	rVV3	4251404	5915364	77.25%	5.610%
85	13.821	1993	1995	2001	rVB	2629602	2684523	35.06%	2.546%
86	13.904	2006	2009	2011	rVB	267336	231342	3.02%	0.219%
87	13.980	2020	2022	2024	rBV2	210760	155233	2.03%	0.147%
88	14.016	2024	2028	2033	rVB3	235220	330798	4.32%	0.314%
89	14.145	2048	2050	2052	rVV	198650	183834	2.40%	0.174%
90	14.180	2052	2056	2059	rVV	697040	807945	10.55%	0.766%
91	14.216	2059	2062	2065	rVB	361387	318968	4.17%	0.302%
92	14.274	2070	2072	2074	rVV2	341832	317367	4.14%	0.301%
93	14.304	2075	2077	2079	rVV	293215	322518	4.21%	0.306%
94	14.327	2079	2081	2085	rVB3	363302	358644	4.68%	0.340%
95	14.798	2157	2161	2163	rBV	1806826	2326481	30.38%	2.206%
96	14.892	2175	2177	2180	rVB	387315	349374	4.56%	0.331%
97	15.068	2203	2207	2212	rVB	878893	1007786	13.16%	0.956%
98	15.127	2213	2217	2221	rVB	1263122	1451465	18.95%	1.377%
99	15.180	2222	2226	2229	rBV	1423490	1656441	21.63%	1.571%
100	16.492	2445	2449	2457	rVB2	357881	633528	8.27%	0.601%

Sum of corrected areas: 105445720

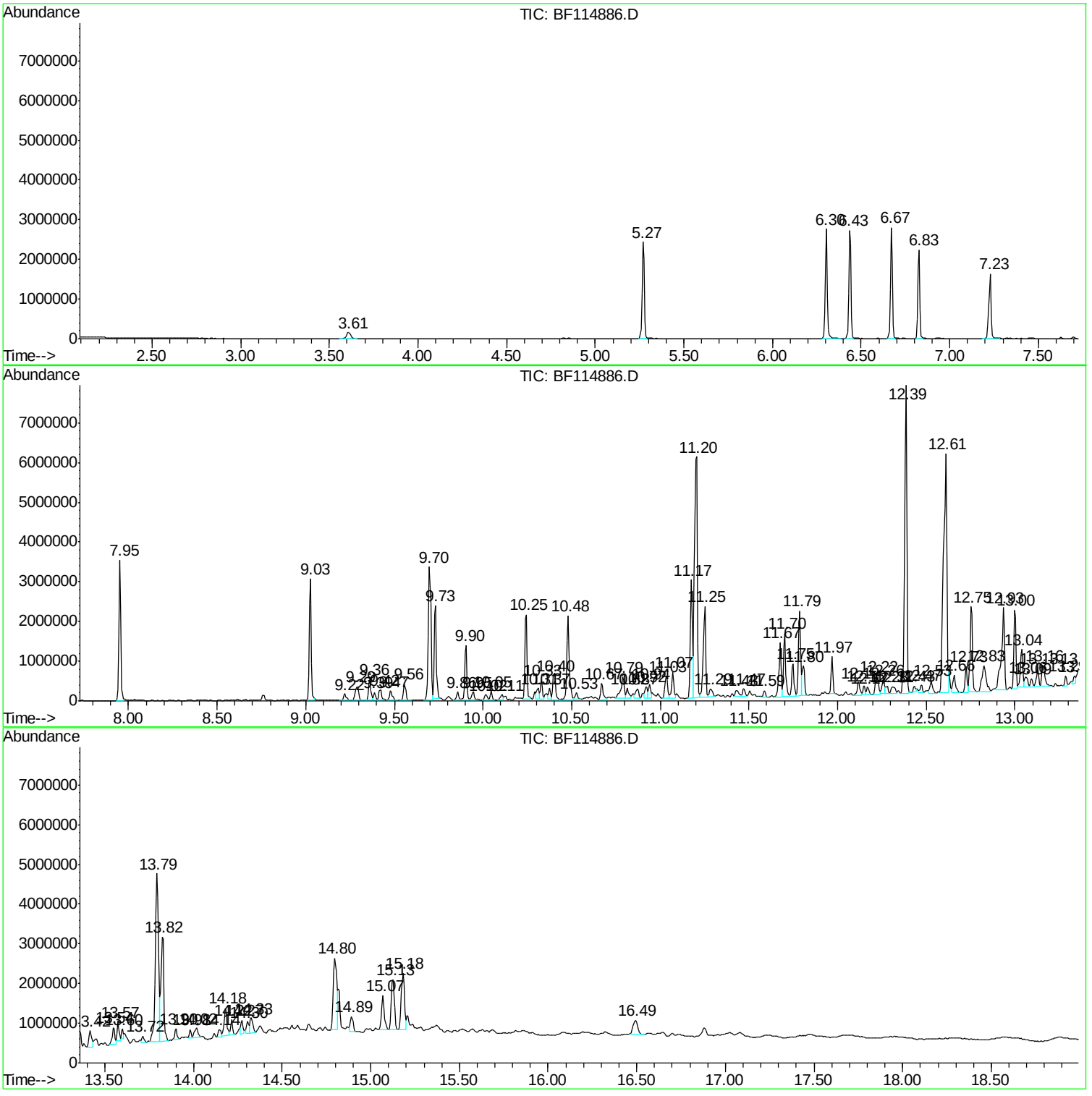
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114886.D
Acq On : 7 Jun 2019 2:01
Operator : HP/JU
Sample : K3097-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
0430-HR-10(HACKENSACK)DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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\BF060619\
Data File : BF114886.D
Acq On : 7 Jun 2019 2:01
Operator : HP/JU
Sample : K3097-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

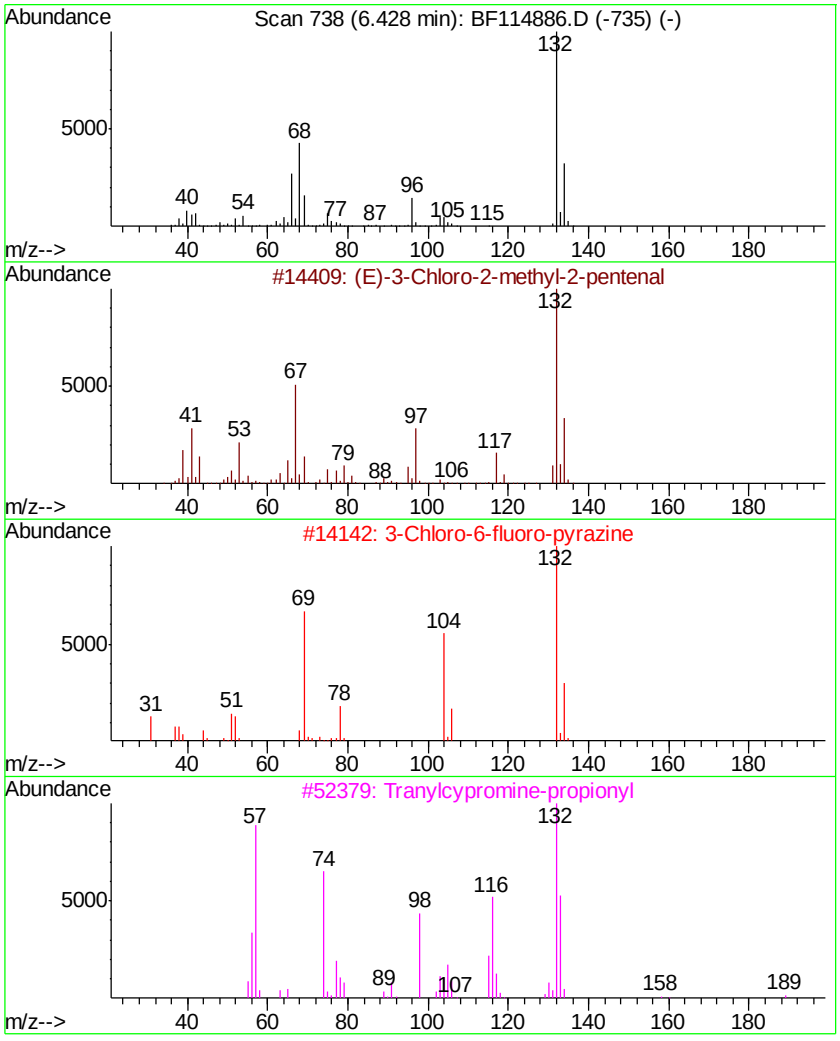
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

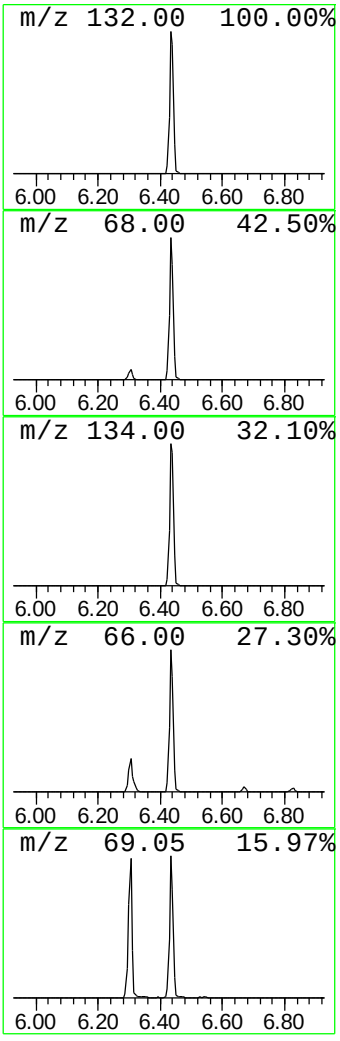
****

Peak Number 1 unknown6.43 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	21.51 ng	2471820	1,4-Dichlorobenzene-d4	6.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	5-Aminoindole	132	C8H8N2	005192-03-0	12





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

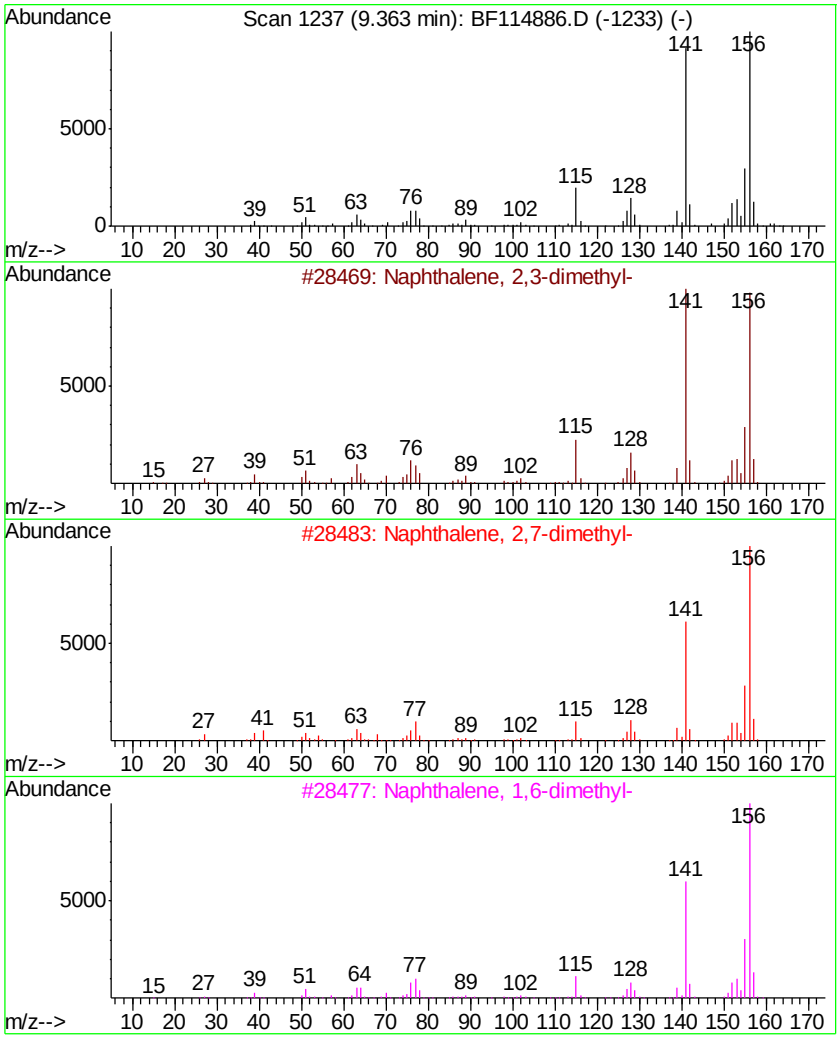
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

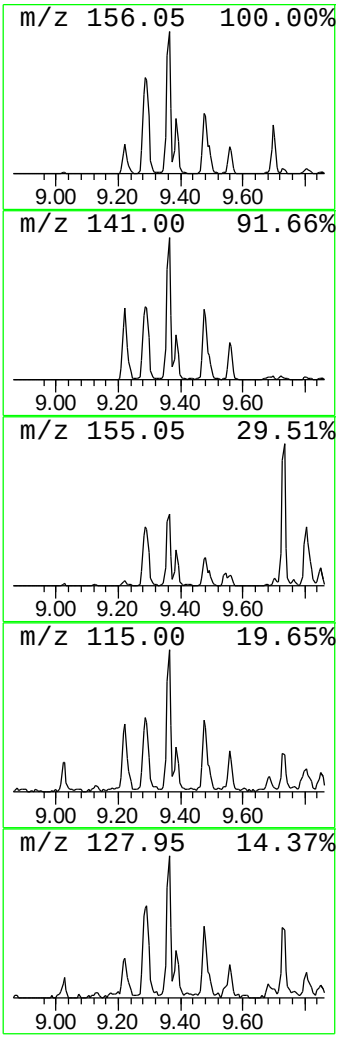
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	3.24 ng	493959	Acenaphthene-d10	9.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

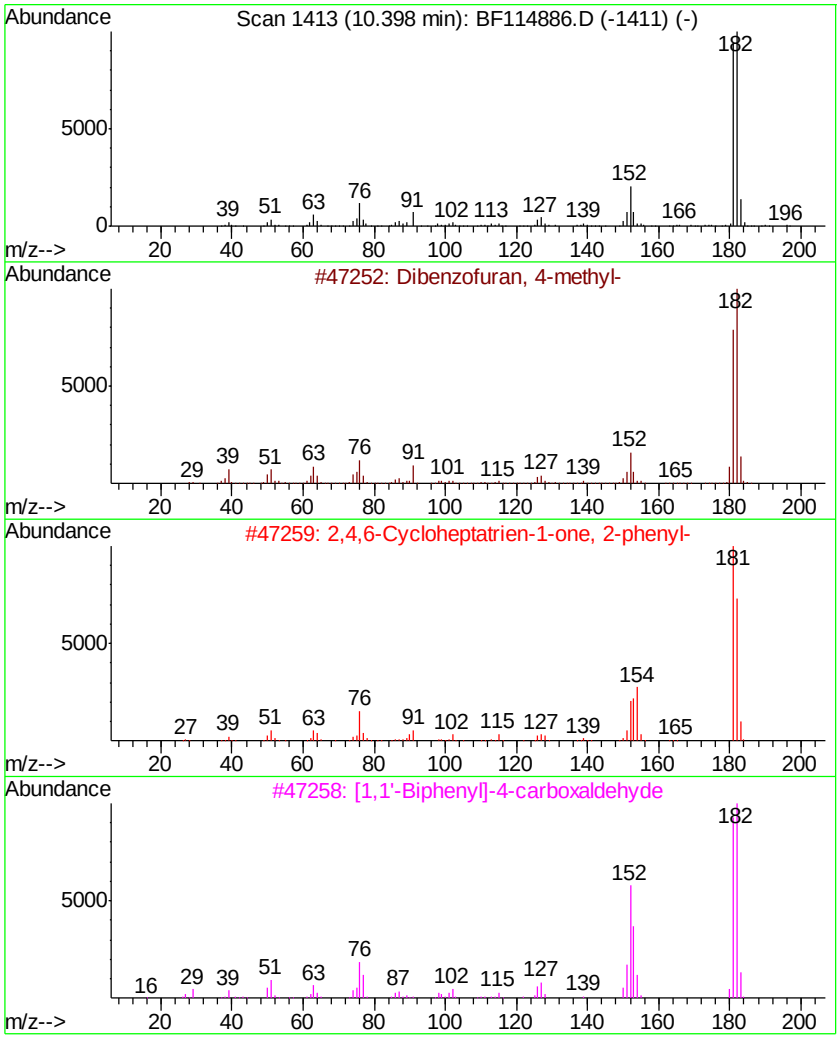
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

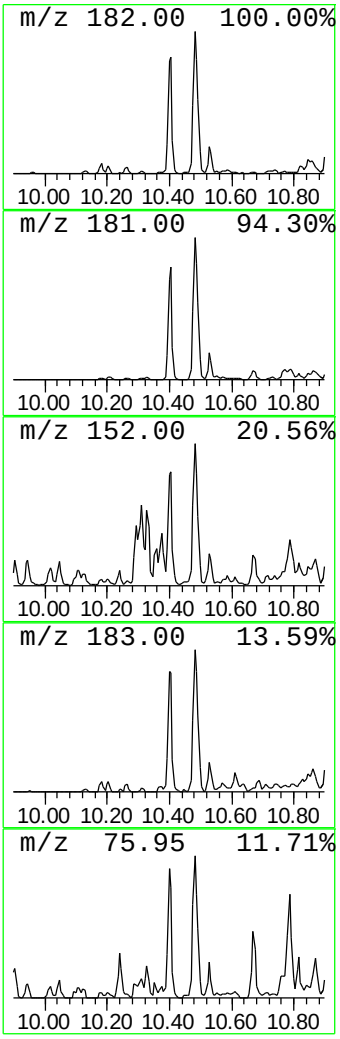
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	3.98 ng	606987	Acenaphthene-d10	9.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	64





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Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

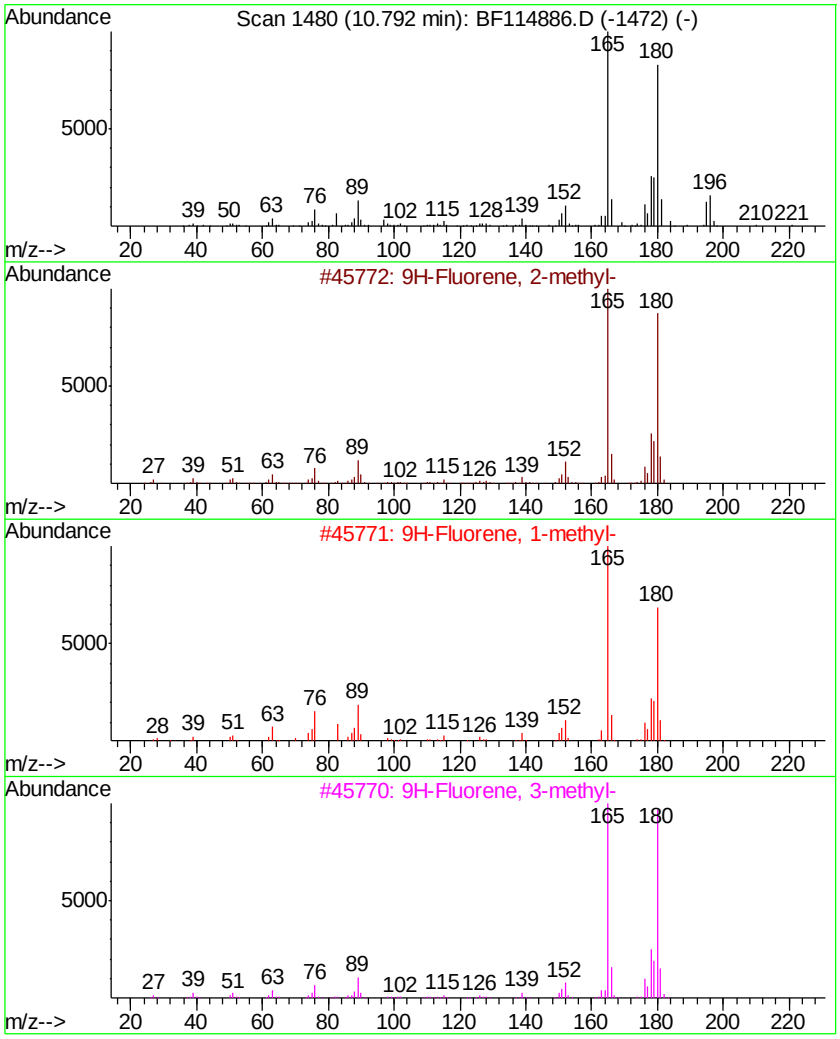
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

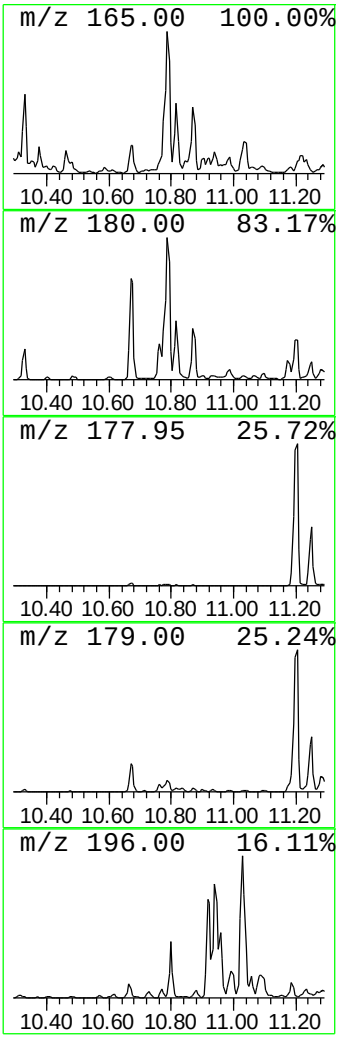
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	5.04 ng	726659	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114886.D
Acq On : 7 Jun 2019 2:01
Operator : HP/JU
Sample : K3097-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

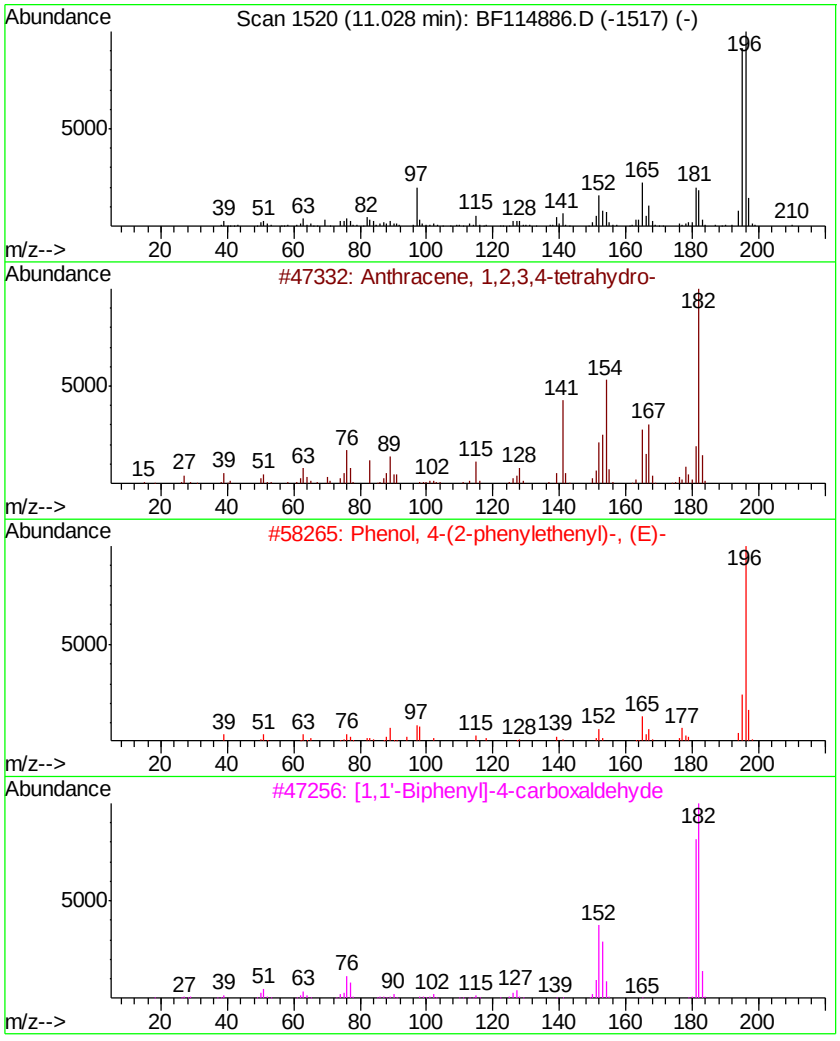
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

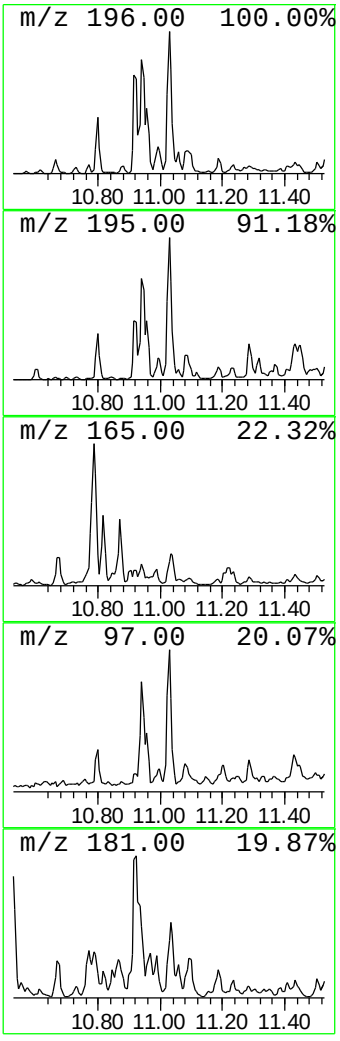
****

Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	4.74 ng	682766	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	90
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	56
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	50
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	46
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	38





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Data File : BF114886.D
Acq On : 7 Jun 2019 2:01
Operator : HP/JU
Sample : K3097-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

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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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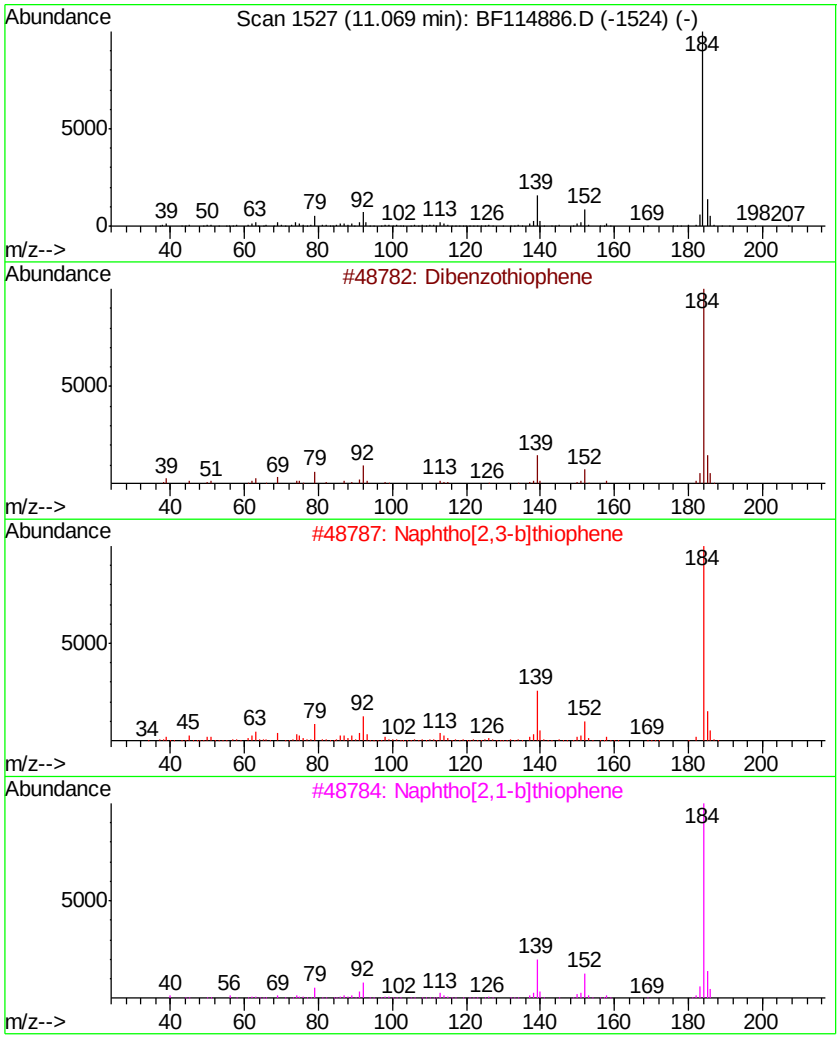
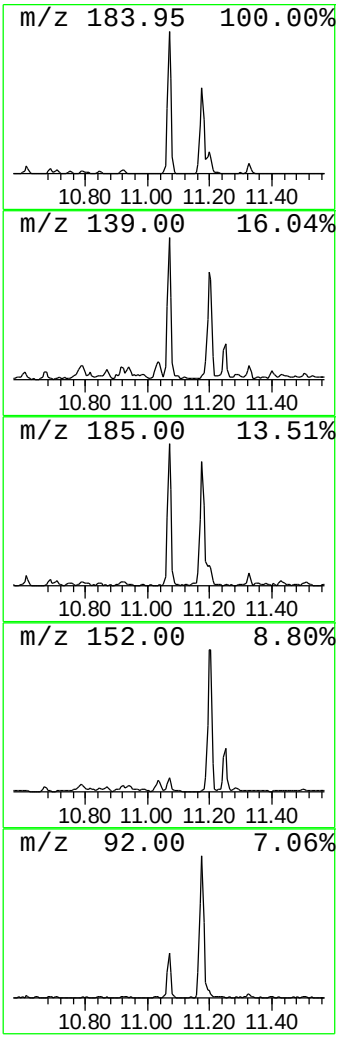
Peak Number 7 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	4.31 ng	620615	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Operator : HP/JU
Sample : K3097-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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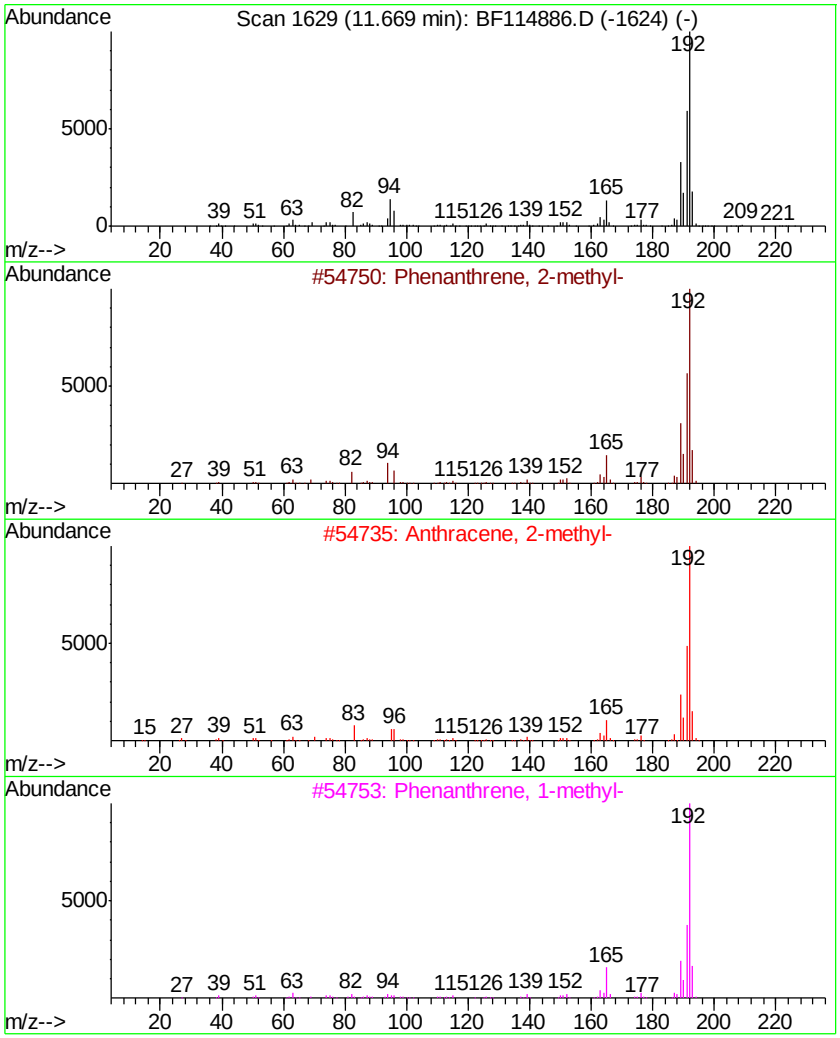
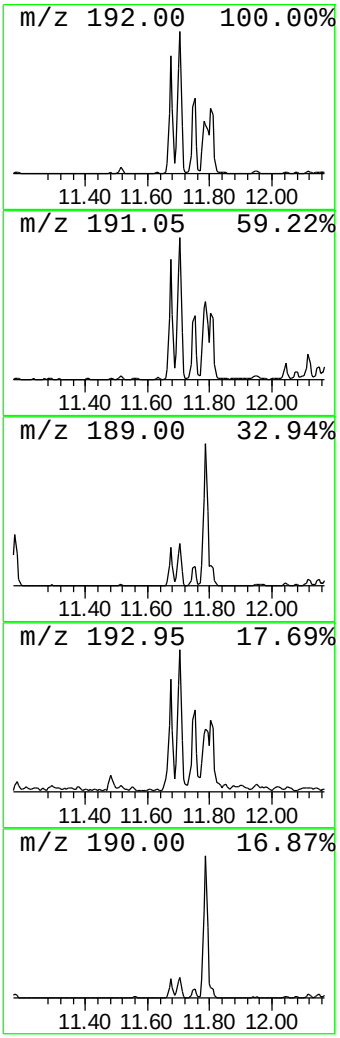
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	8.07 ng	1163210	Phenanthrene-d10	11.17

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Acq On : 7 Jun 2019 2:01
Operator : HP/JU
Sample : K3097-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

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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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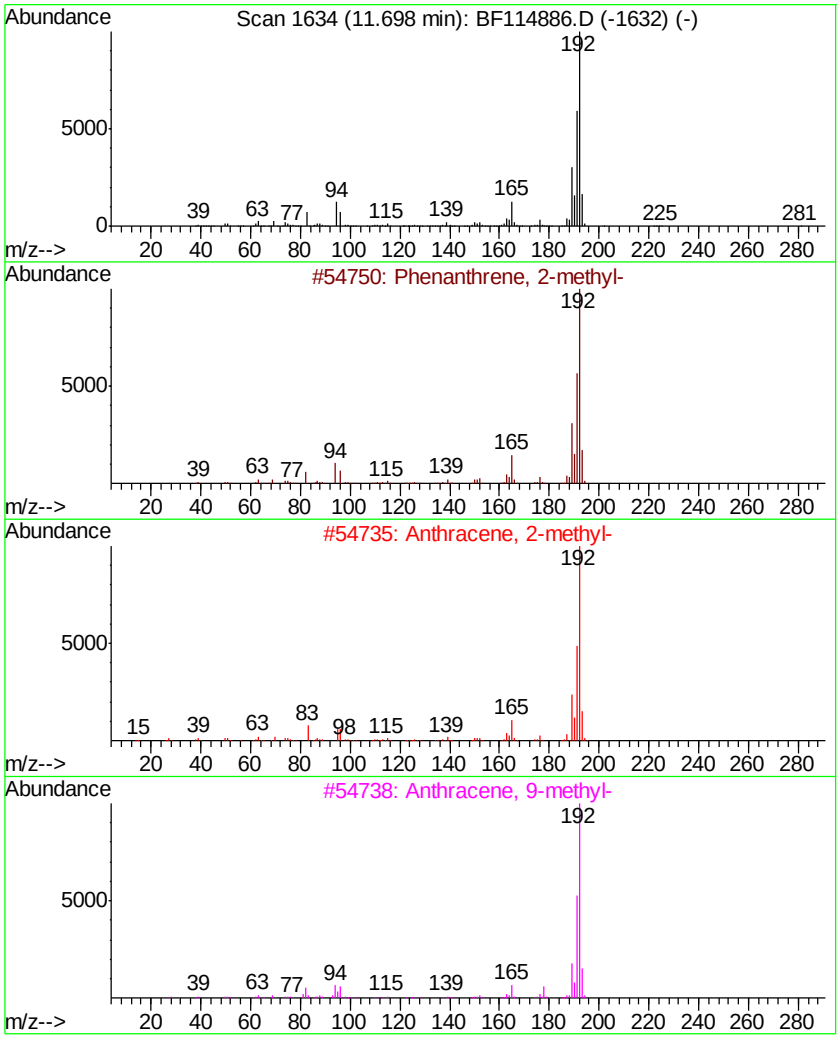
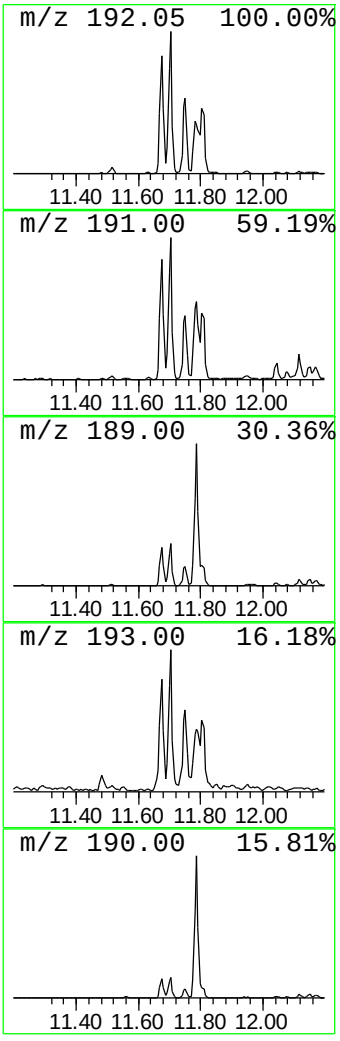
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	9.51 ng	1370800	Phenanthrene-d10	11.17

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Acq On : 7 Jun 2019 2:01
Operator : HP/JU
Sample : K3097-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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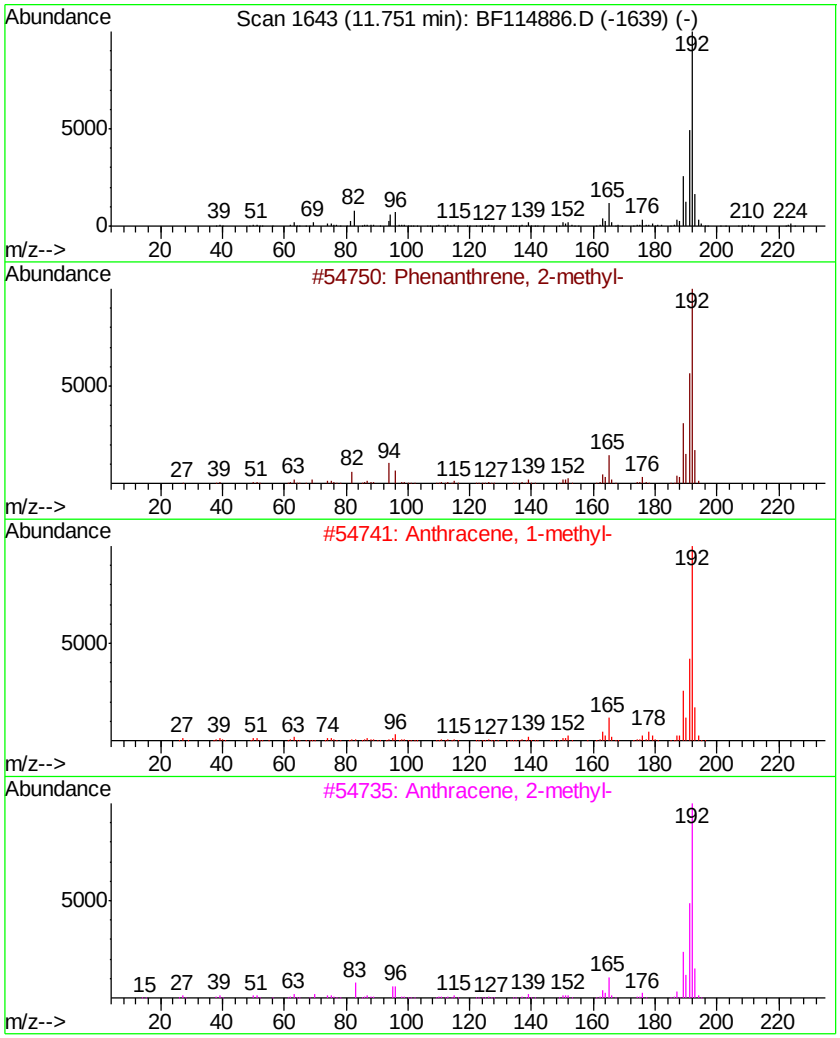
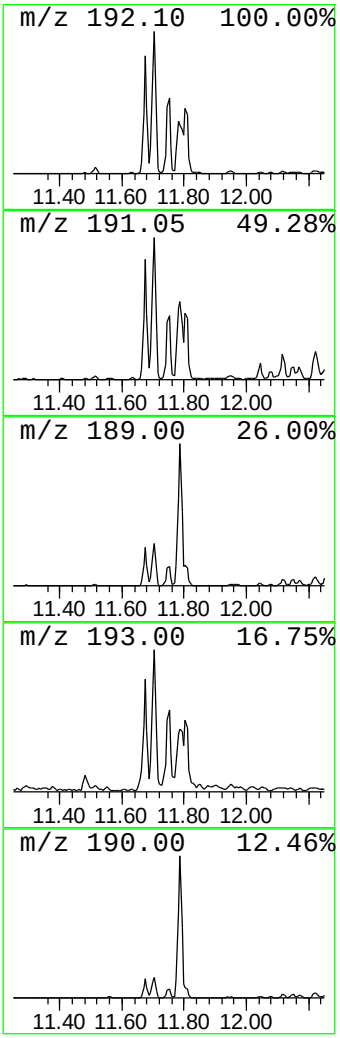
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	5.24 ng	755153	Phenanthrene-d10	11.17

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





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Sample : K3097-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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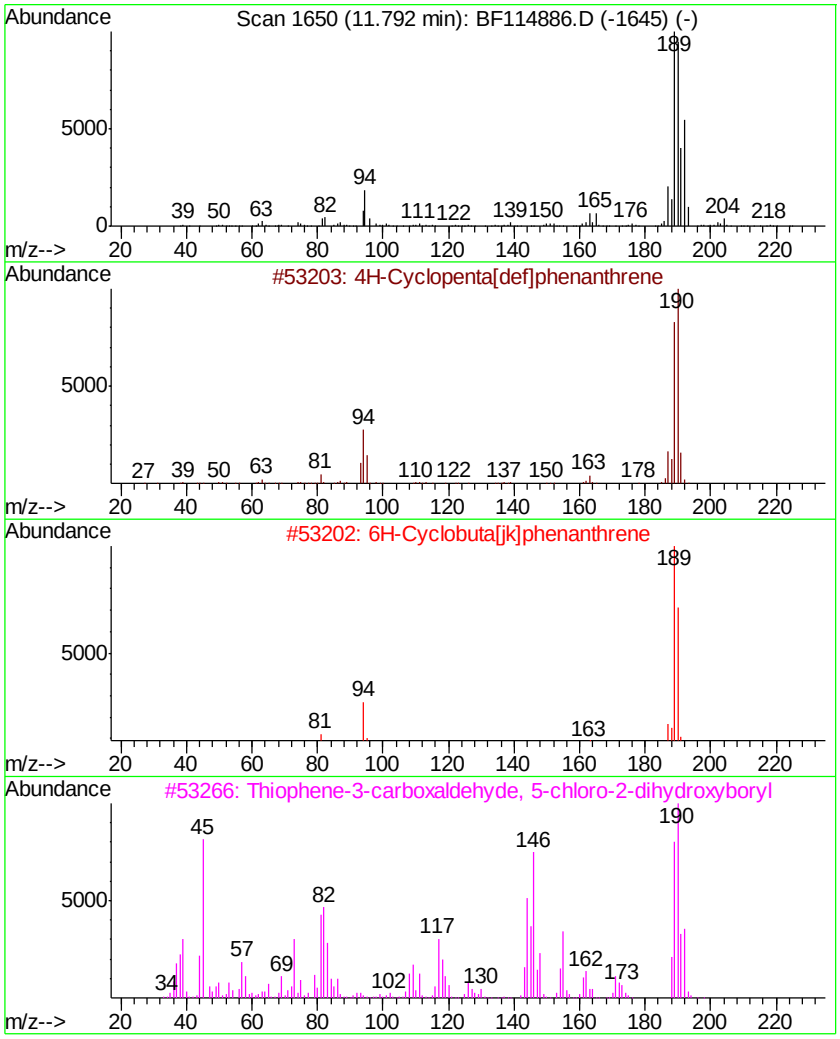
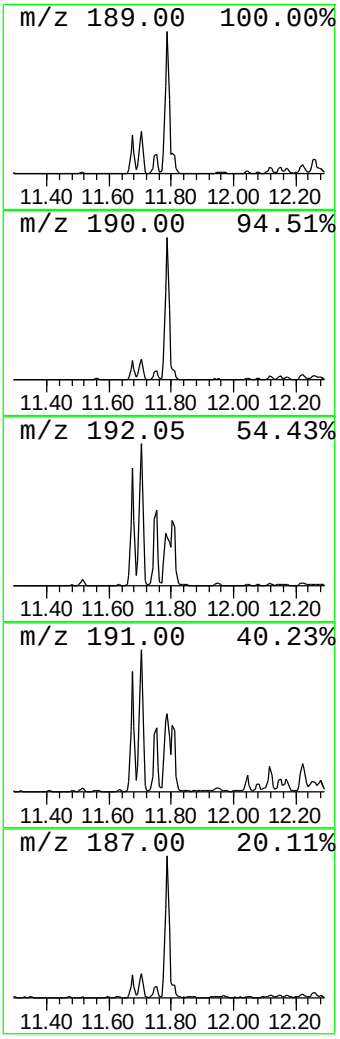
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	14.57 ng	2100750	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Acq On : 7 Jun 2019 2:01
Operator : HP/JU
Sample : K3097-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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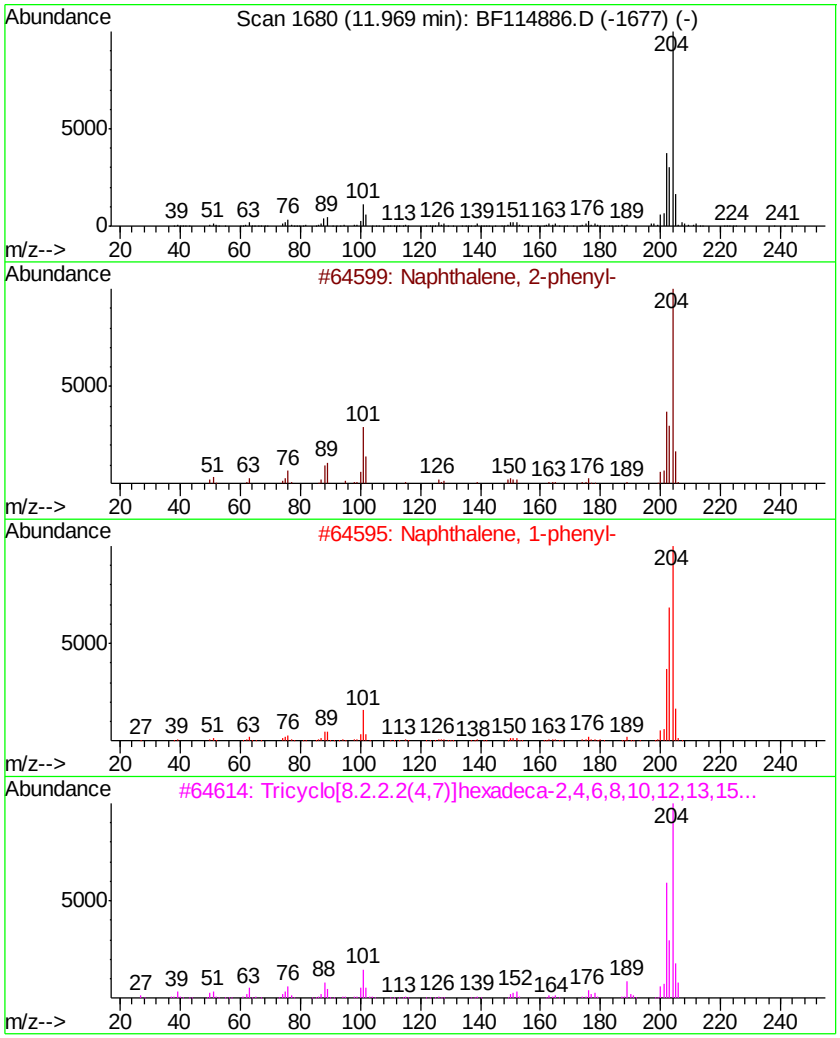
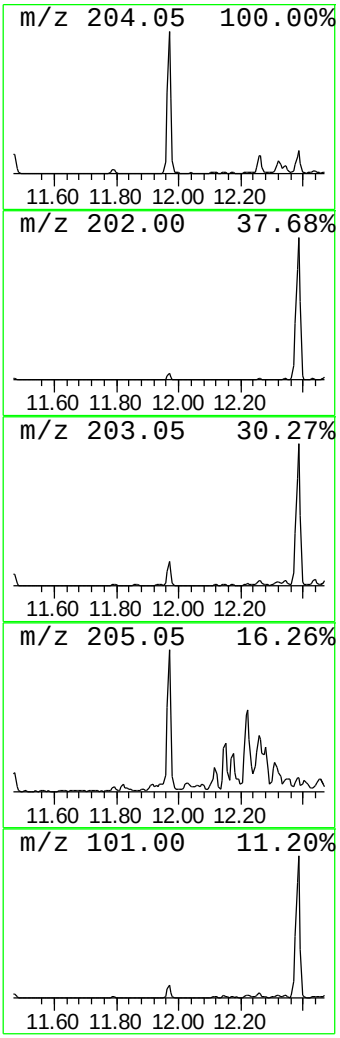
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	5.09 ng	733712	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Levamisole	204	C11H12N2S	014769-73-4	58
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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Acq On : 7 Jun 2019 2:01
Operator : HP/JU
Sample : K3097-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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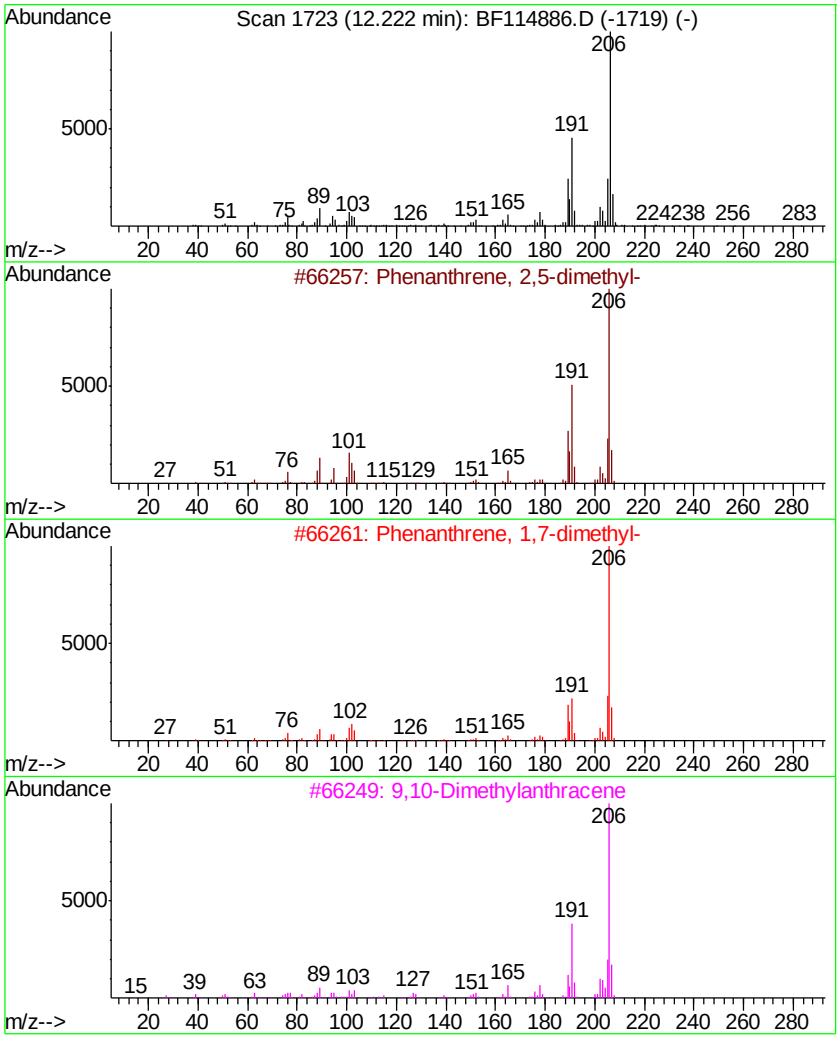
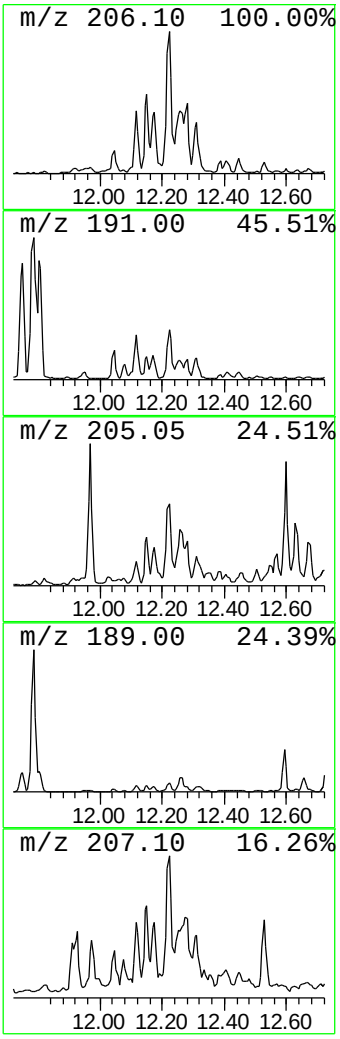
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	3.80 ng	547260	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Library Search Compound Report

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Data File : BF114886.D
Acq On : 7 Jun 2019 2:01
Operator : HP/JU
Sample : K3097-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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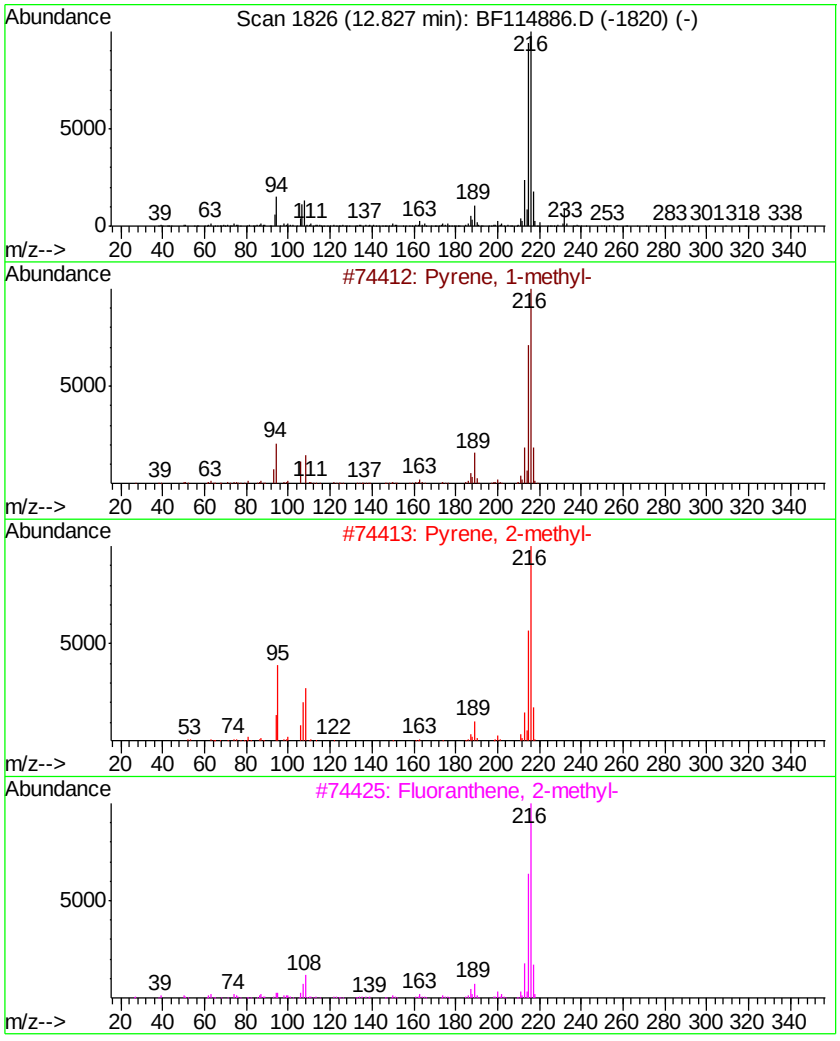
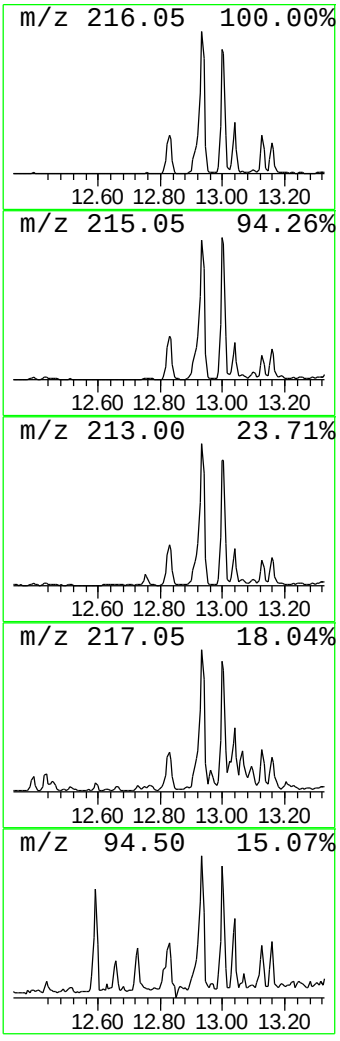
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	3.96 ng	1172550	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Acq On : 7 Jun 2019 2:01
Operator : HP/JU
Sample : K3097-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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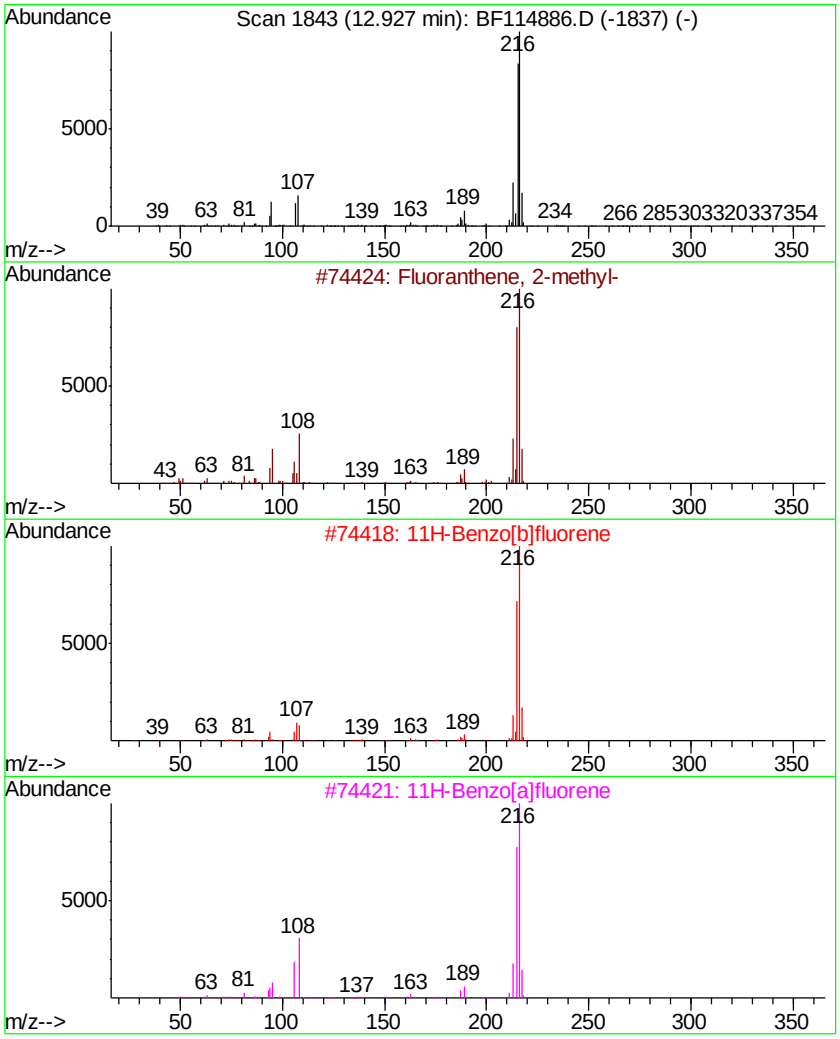
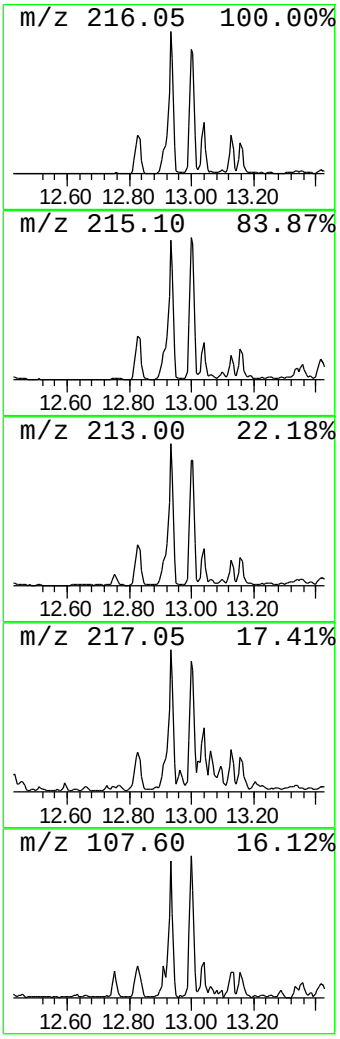
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	8.50 ng	2513490	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Library Search Compound Report

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Sample : K3097-10 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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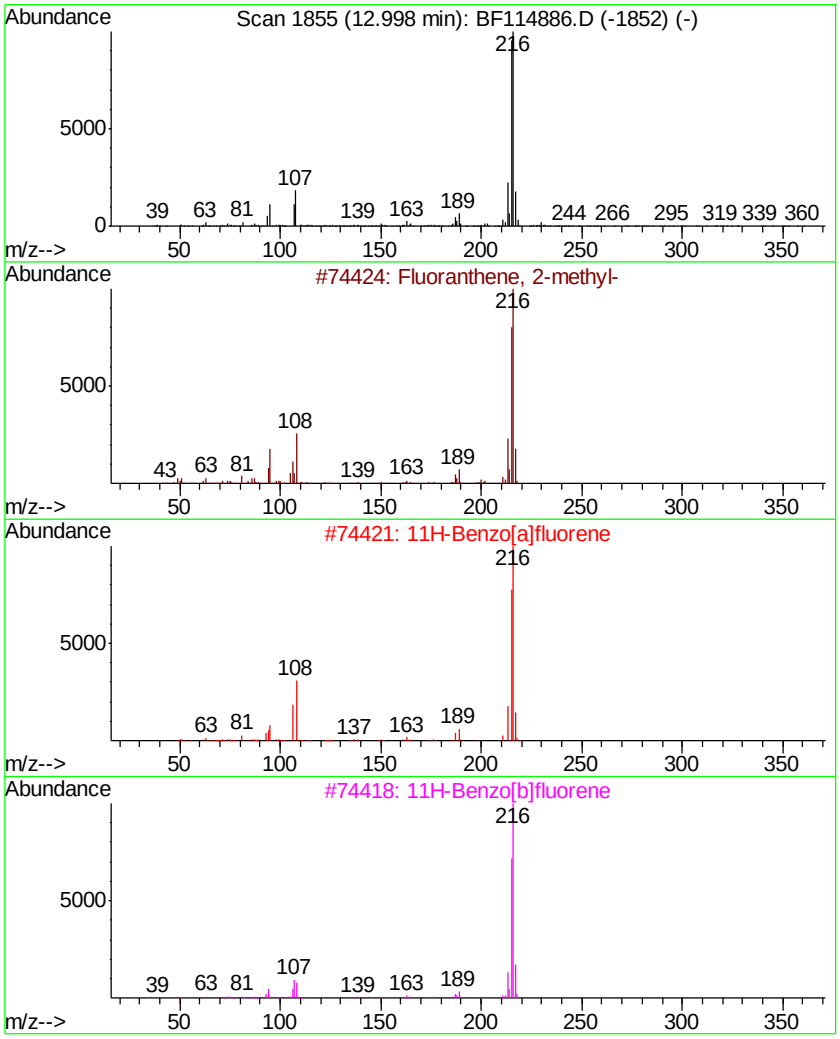
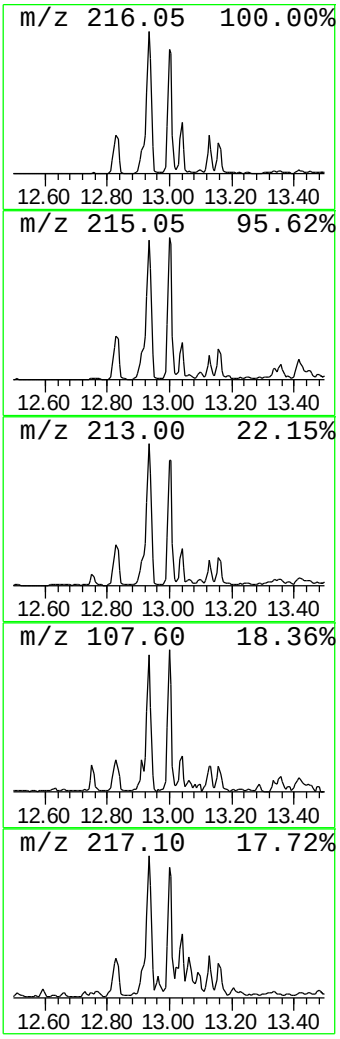
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	6.33 ng	1873690	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	58





Tentatively Identified Compound (LSC) summary

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Data File : BF114886.D
Acq On : 7 Jun 2019 2:01
Operator : HP/JU
Sample : K3097-10 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 0430-HR-10(HACKENSACK)DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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
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Naphthalene, 2,3-...	9.36	3.2	ng	493959	3	9.70	3048180	20.0
Dibenzofuran, 4-m...	10.40	4.0	ng	606987	3	9.70	3048180	20.0
9H-Fluorene, 2-me...	10.79	5.0	ng	726659	4	11.17	2882680	20.0
Anthracene, 1,2,3...	11.03	4.7	ng	682766	4	11.17	2882680	20.0
Dibenzothiophene	11.07	4.3	ng	620615	4	11.17	2882680	20.0
Phenanthrene, 2-m...	11.67	8.1	ng	1163210	4	11.17	2882680	20.0
Anthracene, 2-met...	11.70	9.5	ng	1370800	4	11.17	2882680	20.0
Anthracene, 1-met...	11.75	5.2	ng	755153	4	11.17	2882680	20.0
4H-Cyclopenta[def...	11.79	14.6	ng	2100750	4	11.17	2882680	20.0
Naphthalene, 2-ph...	11.97	5.1	ng	733712	4	11.17	2882680	20.0
Phenanthrene, 2,5...	12.22	3.8	ng	547260	4	11.17	2882680	20.0
Pyrene, 1-methyl-	12.83	4.0	ng	1172550	5	13.80	5915360	20.0
Fluoranthene, 2-m...	12.93	8.5	ng	2513490	5	13.80	5915360	20.0
11H-Benzo[a]fluorene	13.00	6.3	ng	1873690	5	13.80	5915360	20.0