LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115056.D
Acq On : 14 Jun 2019 22:37
Operator : HP/JU
Sample : K3351-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

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-BF061219.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	5.263	534	540	543	rBV	5887088	7221783	30.54%	2.690%
2	6.298	709	716	719	rBV	5721189	7438722	31.46%	2.771%
3	6.422	731	737	740	rBV	6898272	7639565	32.31%	2.846%
4	6.645	771	775	779	rBV	2310032	1848973	7.82%	0.689%
5	6.804	797	802	805	rBV	5937805	5623036	23.78%	2.095%
6	7.216	865	872	874	rBV	4082150	4891419	20.68%	1.822%
7	7.928	988	993	996	rBV	2678957	2345889	9.92%	0.874%
8	8.639	1109	1114	1117	rBV	918591	786695	3.33%	0.293%
9	8.733	1125	1130	1135	rVB	756532	644493	2.73%	0.240%
10	9.004	1170	1176	1179	rBV	7125657	6877333	29.08%	2.562%
11	9.098	1189	1192	1196	rVB	550089	446190	1.89%	0.166%
12	9.192	1205	1208	1214	rVB	532051	548118	2.32%	0.204%
13	9.263	1214	1220	1225	rBV	978257	1356062	5.73%	0.505%
14	9.339	1228	1233	1235	rVV	1377802	1454268	6.15%	0.542%
15	9.363	1235	1237	1240	rVV	1076665	823369	3.48%	0.307%
16	9.398	1240	1243	1247	rVV	1917301	1747915	7.39%	0.651%
17	9.451	1248	1252	1258	rVV	663641	742943	3.14%	0.277%
18	9.533	1260	1266	1270	rBV	576061	503873	2.13%	0.188%
19	9.675	1283	1290	1293	rBV3	2628977	3397450	14.37%	1.266%
20	9.716	1293	1297	1300	rVV	9059841	10675935	45.14%	3.977%
21	9.780	1304	1308	1313	rBV	328942	435726	1.84%	0.162%
22	9.833	1313	1317	1319	rBV	955753	836801	3.54%	0.312%
23	9.880	1319	1325	1328	rBV	5926789	5815944	24.59%	2.166%
24	9.916	1328	1331	1335	rVB	558589	480295	2.03%	0.179%
25	9.992	1339	1344	1346	rBV2	464560	455895	1.93%	0.170%
26	10.080	1355	1359	1361	rBV	346942	416143	1.76%	0.155%
27	10.227	1378	1384	1387	rVV	7991209	9411962	39.80%	3.506%
28	10.269	1388	1391	1392	rVV	895934	759477	3.21%	0.283%
29	10.286	1392	1394	1395	rVV	1851555	1408500	5.96%	0.525%
30	10.304	1395	1397	1400	rVV	2189120	1912468	8.09%	0.712%
31	10.333	1400	1402	1403	rVV	623973	524139	2.22%	0.195%
32	10.351	1403	1405	1407	rVV	1116413	904025	3.82%	0.337%
33	10.380	1407	1410	1415	rVB	2376093	2234970	9.45%	0.833%
34	10.463	1415	1424	1428	rBV2	6029397	6989824	29.56%	2.604%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115056.D
Acq On : 14 Jun 2019 22:37
Operator : HP/JU
Sample : K3351-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

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-BF061219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.504	1428	1431	1436	rVB2	568786	593899	2.51%	0.221%
36	10.645	1451	1455	1460	rBV3	847672	850081	3.59%	0.317%
37	10.763	1468	1475	1478	rBV2	1893994	2367204	10.01%	0.882%
38	10.792	1478	1480	1483	rVV2	725632	634170	2.68%	0.236%
39	10.845	1486	1489	1492	rVB2	936800	930181	3.93%	0.346%
40	10.892	1495	1497	1499	rVV	633535	638044	2.70%	0.238%
41	10.916	1499	1501	1503	rVV	802655	693419	2.93%	0.258%
42	10.957	1506	1508	1513	rVB3	463877	549105	2.32%	0.205%
43	11.010	1513	1517	1520	rBV2	1083031	1289422	5.45%	0.480%
44	11.045	1520	1523	1526	rBV	2927667	2644344	11.18%	0.985%
45	11.204	1537	1550	1552	rBV2	10249324	23648191	100.00%	8.809%
46	11.233	1552	1555	1558	rVV	4563839	3753767	15.87%	1.398%
47	11.263	1558	1560	1563	rVB2	569526	511070	2.16%	0.190%
48	11.380	1578	1580	1582	rVV	526829	421411	1.78%	0.157%
49	11.445	1589	1591	1595	rVV2	1028944	929894	3.93%	0.346%
50	11.563	1608	1611	1615	rVB	412551	438003	1.85%	0.163%
51	11.651	1620	1626	1629	rBV	3126431	3240033	13.70%	1.207%
52	11.680	1629	1631	1633	rVV	4055978	3441910	14.55%	1.282%
53	11.698	1633	1634	1636	rVV	591491	516184	2.18%	0.192%
54	11.727	1636	1639	1642	rVV	1481195	1625580	6.87%	0.606%
55	11.769	1642	1646	1654	rVB2	6648879	8558280	36.19%	3.188%
56	11.945	1673	1676	1678	rVV	2548141	2120141	8.97%	0.790%
57	11.968	1678	1680	1684	rVB3	460664	409254	1.73%	0.152%
58	12.092	1696	1701	1704	rBV	736357	730120	3.09%	0.272%
59	12.198	1715	1719	1722	rBV	897553	1083012	4.58%	0.403%
60	12.233	1722	1725	1728	rVV	683133	877335	3.71%	0.327%
61	12.292	1731	1735	1742	rVV2	1045228	1291897	5.46%	0.481%
62	12.386	1742	1751	1753	rVV	9711206	19895652	84.13%	7.411%
63	12.421	1753	1757	1760	rVV2	603862	921856	3.90%	0.343%
64	12.504	1764	1771	1774	rBV2	1370191	1498928	6.34%	0.558%
65	12.592	1781	1786	1788	rBV2	9424436	15294067	64.67%	5.697%
66	12.633	1791	1793	1799	rVB2	1199281	1273304	5.38%	0.474%
67	12.704	1801	1805	1807	rBV	1800377	1628108	6.88%	0.606%
68	12.733	1807	1810	1816	rVB	5880553	5739974	24.27%	2.138%
69	12.804	1816	1822	1825	rBV2	1293768	2226889	9.42%	0.829%
70	12.886	1833	1836	1838	rVV2	907390	1066520	4.51%	0.397%
71	12.915	1838	1841	1844	rVB	3797224	3324563	14.06%	1.238%

LSC Area Percent Report

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Acq On : 14 Jun 2019 22:37
Operator : HP/JU
Sample : K3351-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

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-BF061219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.980	1848	1852	1855	rBV	4200250	3886066	16.43%	1.448%
73	13.015	1855	1858	1860	rVV	1871783	1855327	7.85%	0.691%
74	13.039	1860	1862	1865	rVV	969726	881910	3.73%	0.329%
75	13.104	1870	1873	1876	rBV	705609	550370	2.33%	0.205%
76	13.133	1876	1878	1885	rBV2	869815	1038134	4.39%	0.387%
77	13.392	1918	1922	1924	rBV2	463148	611691	2.59%	0.228%
78	13.521	1940	1944	1947	rBV	1217022	1330687	5.63%	0.496%
79	13.551	1947	1949	1951	rVV	1343901	1186056	5.02%	0.442%
80	13.574	1951	1953	1959	rVV3	1144721	1525367	6.45%	0.568%
81	13.668	1964	1969	1972	rBV	2417952	2475317	10.47%	0.922%
82	13.774	1980	1987	1990	rBV2	5389629	8605786	36.39%	3.206%
83	13.810	1990	1993	1997	rVV	4932612	5280442	22.33%	1.967%
84	13.880	2000	2005	2012	rVV	2164902	2710305	11.46%	1.010%
85	13.957	2016	2018	2021	rVV	569654	650844	2.75%	0.242%
86	13.986	2021	2023	2028	rVV2	479129	617336	2.61%	0.230%
87	14.157	2048	2052	2055	rVV	873609	1091490	4.62%	0.407%
88	14.186	2055	2057	2062	rVV2	511500	644507	2.73%	0.240%
89	14.251	2064	2068	2071	rVV3	652758	1119112	4.73%	0.417%
90	14.298	2074	2076	2080	rVV2	841260	849560	3.59%	0.316%
91	14.457	2099	2103	2106	rBV3	418283	479766	2.03%	0.179%
92	14.557	2117	2120	2126	rVB2	495393	506260	2.14%	0.189%
93	14.774	2151	2157	2159	rBV	2635946	3899844	16.49%	1.453%
94	14.862	2169	2172	2176	rVB	883194	891241	3.77%	0.332%
95	15.039	2198	2202	2207	rVB	1334996	1506635	6.37%	0.561%
96	15.092	2207	2211	2217	rBV2	1684852	2804192	11.86%	1.045%
97	15.151	2217	2221	2224	rVV2	1833254	2137230	9.04%	0.796%
98	15.292	2241	2245	2251	rBV	696984	956227	4.04%	0.356%
99	16.445	2436	2441	2446	rBV2	320981	604059	2.55%	0.225%
100	16.827	2502	2506	2521	rVB2	217349	512796	2.17%	0.191%

Sum of corrected areas: 268464569

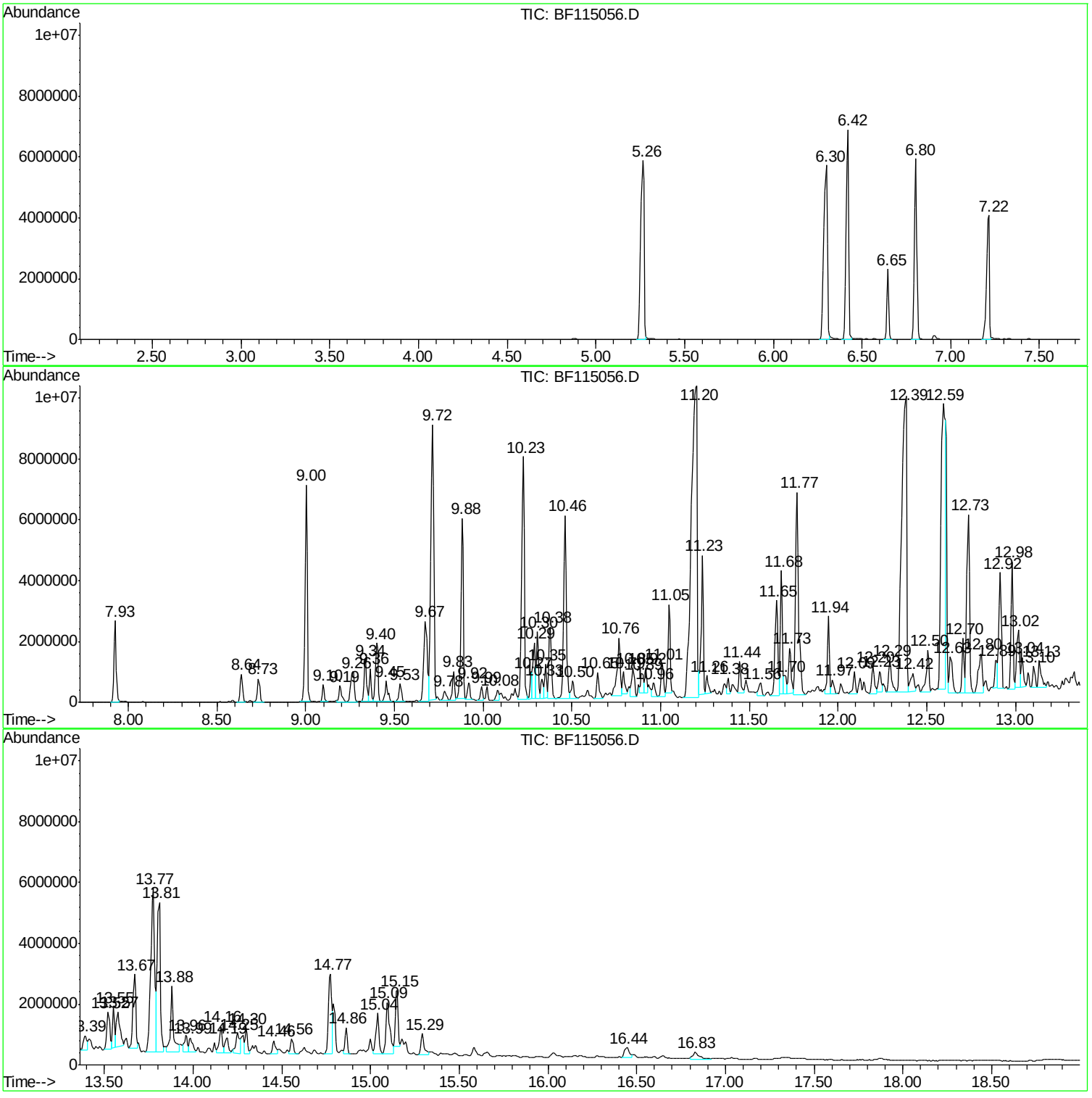
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115056.D
Acq On : 14 Jun 2019 22:37
Operator : HP/JU
Sample : K3351-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.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\BF061419\
Data File : BF115056.D
Acq On : 14 Jun 2019 22:37
Operator : HP/JU
Sample : K3351-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

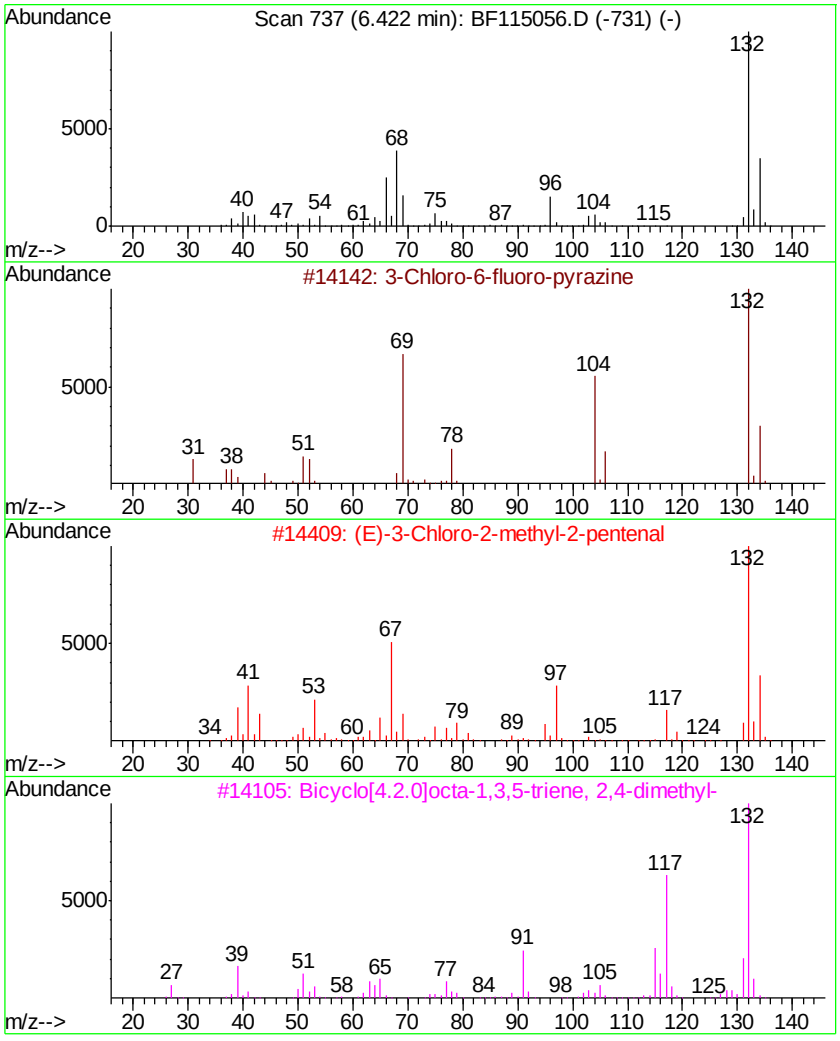
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

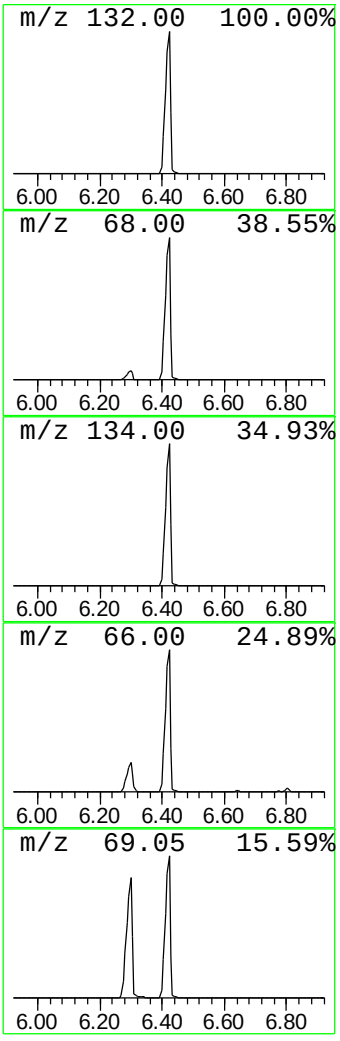
****

Peak Number 1 unknown6.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	82.64 ng	7639570	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
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Sample : K3351-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

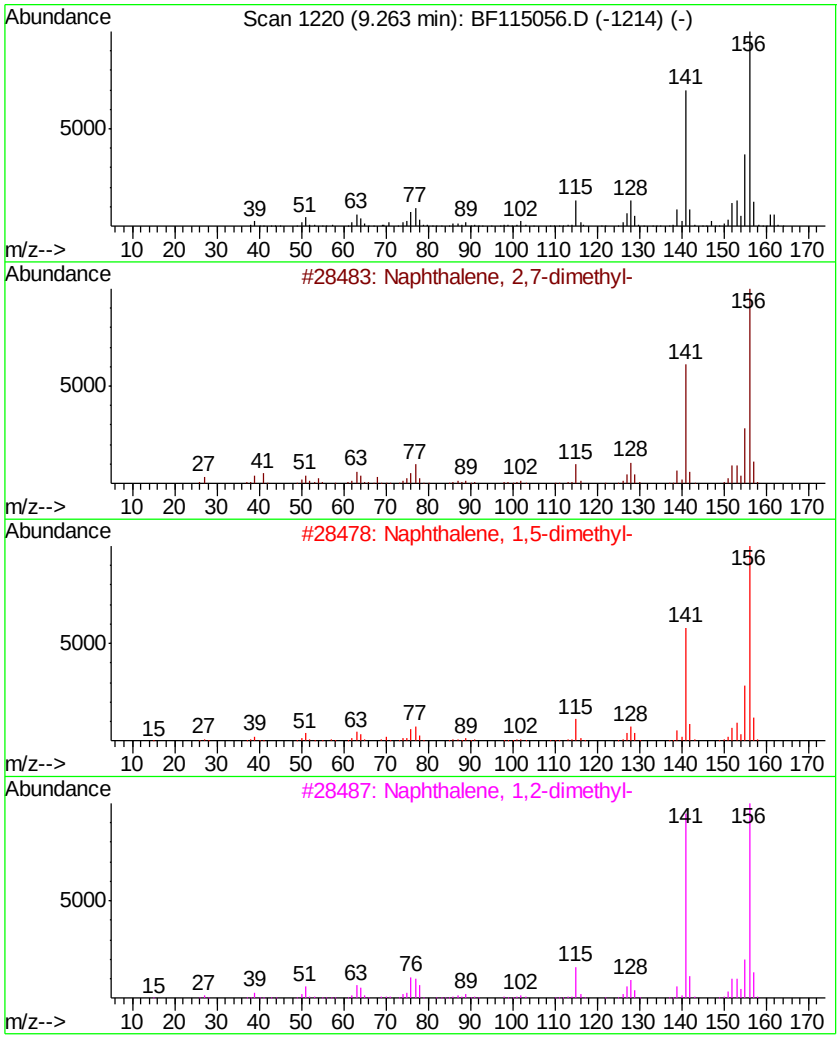
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

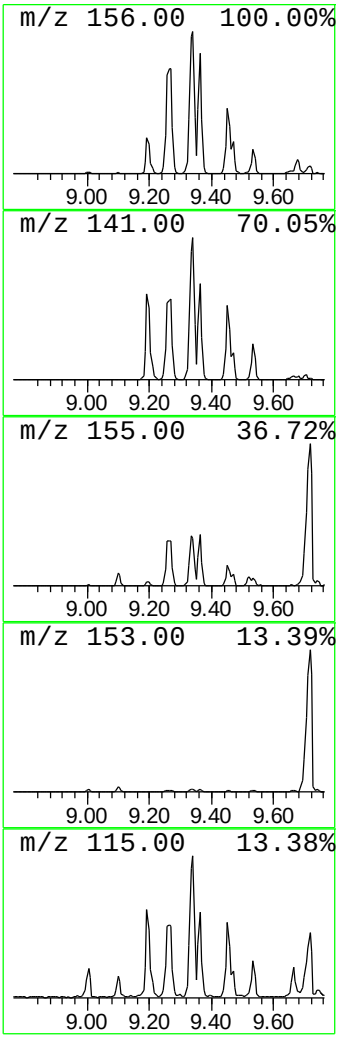
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	7.98 ng	1356060	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
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Acq On : 14 Jun 2019 22:37
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Sample : K3351-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

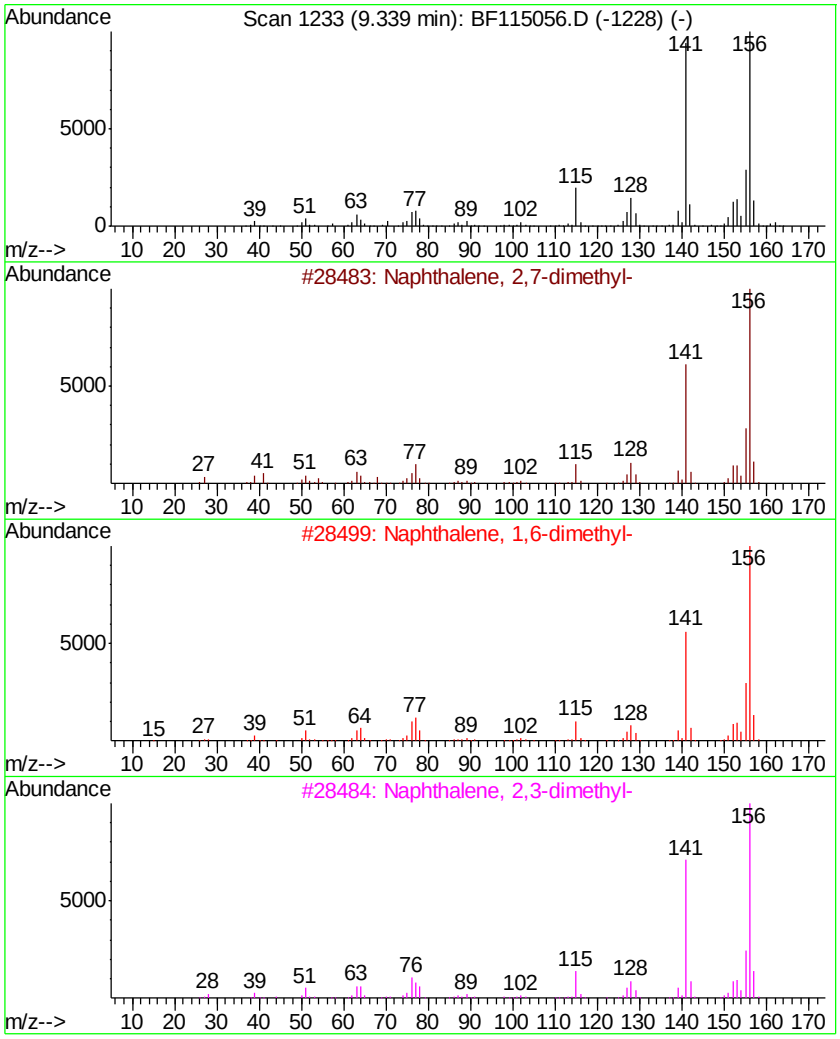
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

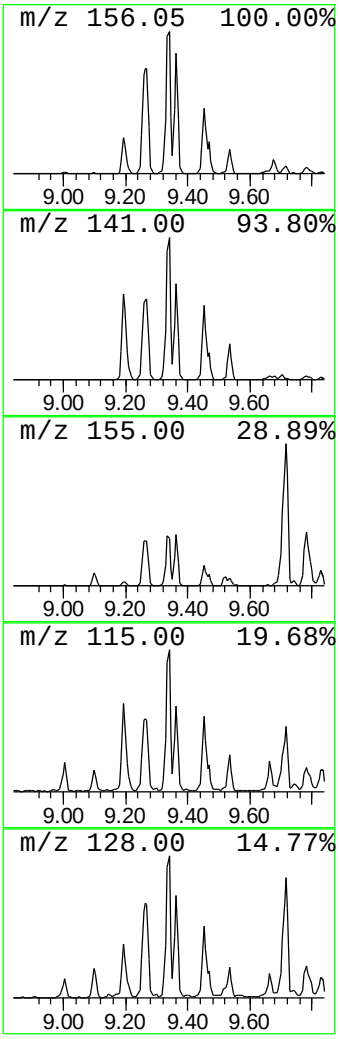
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	8.56 ng	1454270	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115056.D
Acq On : 14 Jun 2019 22:37
Operator : HP/JU
Sample : K3351-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.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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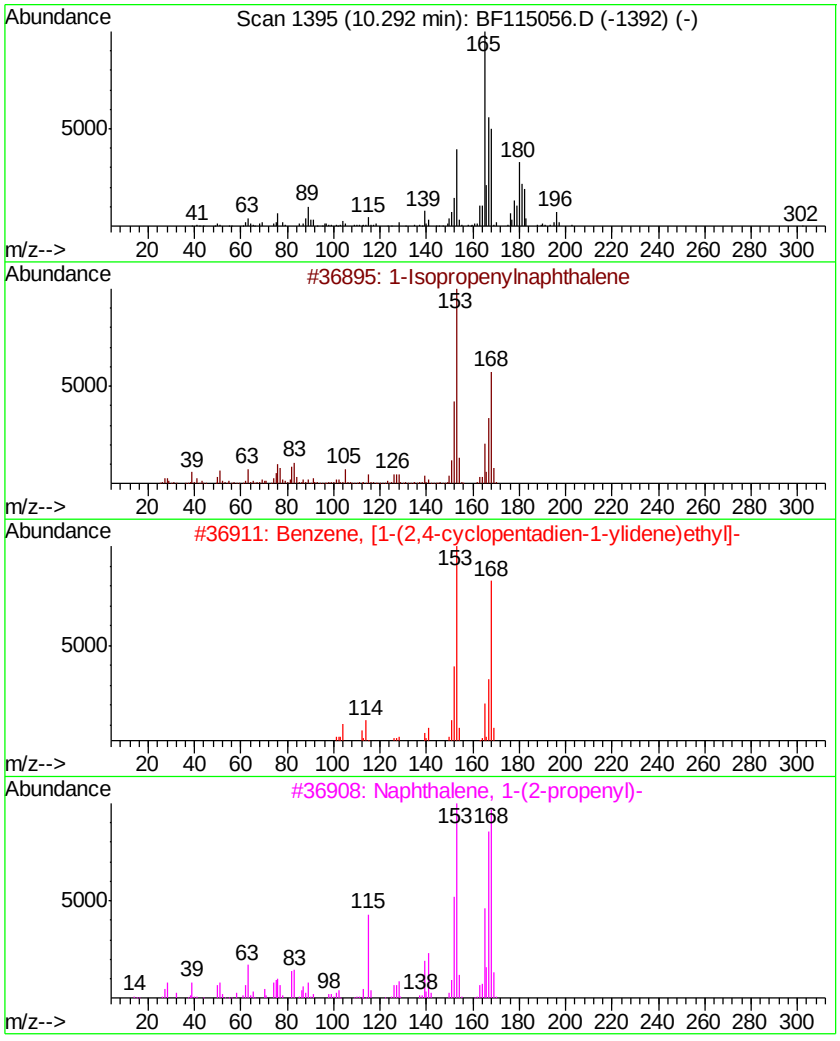
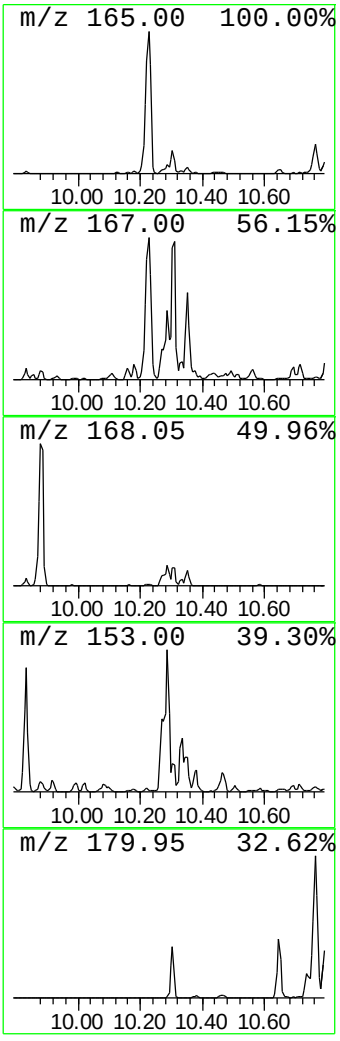
Peak Number 5 1-Isopropenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	8.29 ng	1408500	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	53
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
5	Diphenylmethane	168	C13H12	000101-81-5	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115056.D
Acq On : 14 Jun 2019 22:37
Operator : HP/JU
Sample : K3351-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

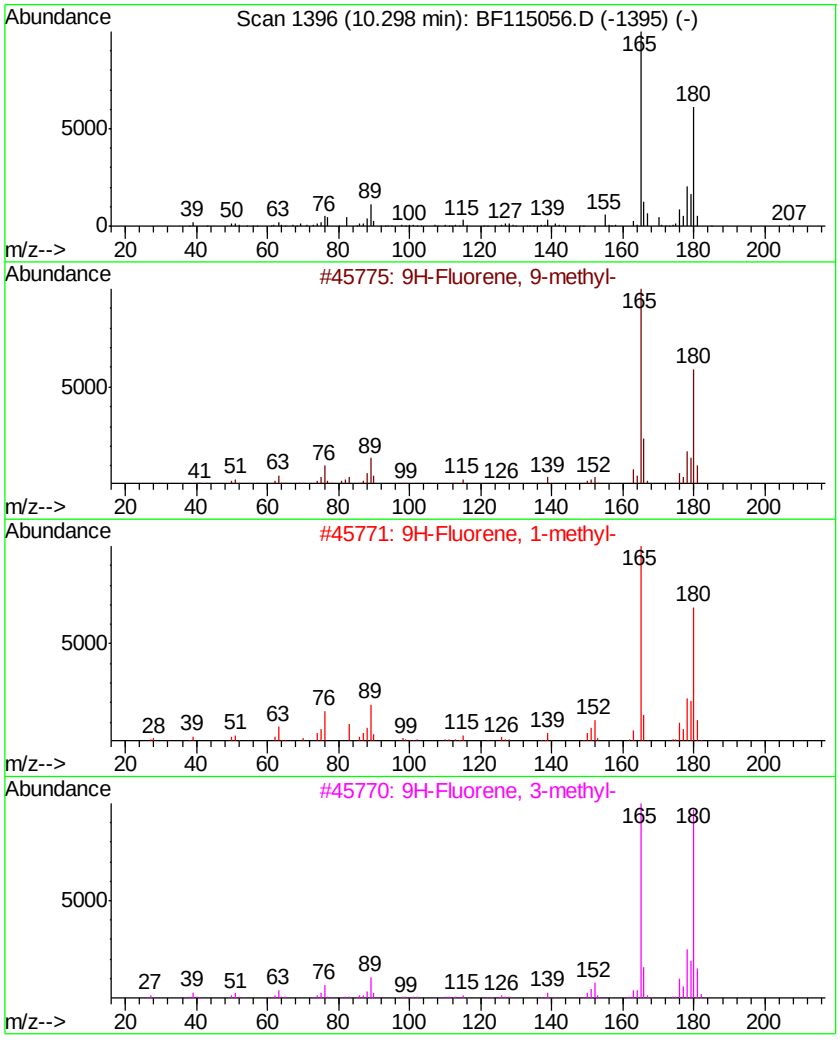
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

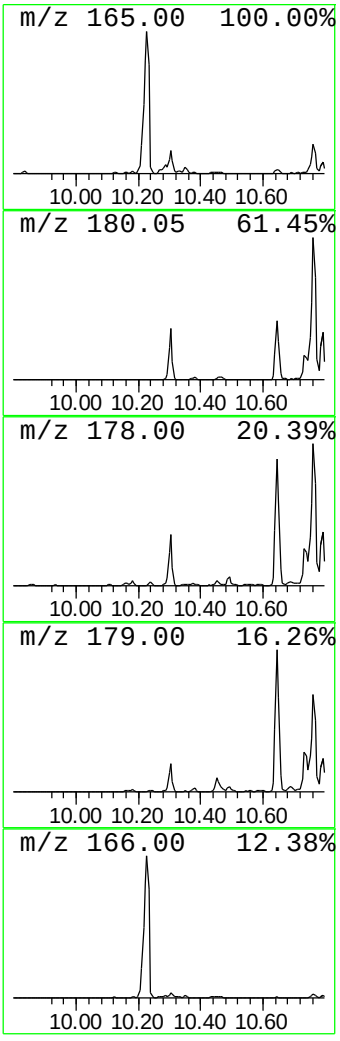
****

Peak Number 6 9H-Fluorene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	11.26 ng	1912470	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	50
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	43
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	43
4	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	38
5	Silane, trimethyl(3-methylphenoxy)-	180	C10H16OSi	017902-31-7	35





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Sample : K3351-07
Misc :
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ClientSampleId : RT-3860

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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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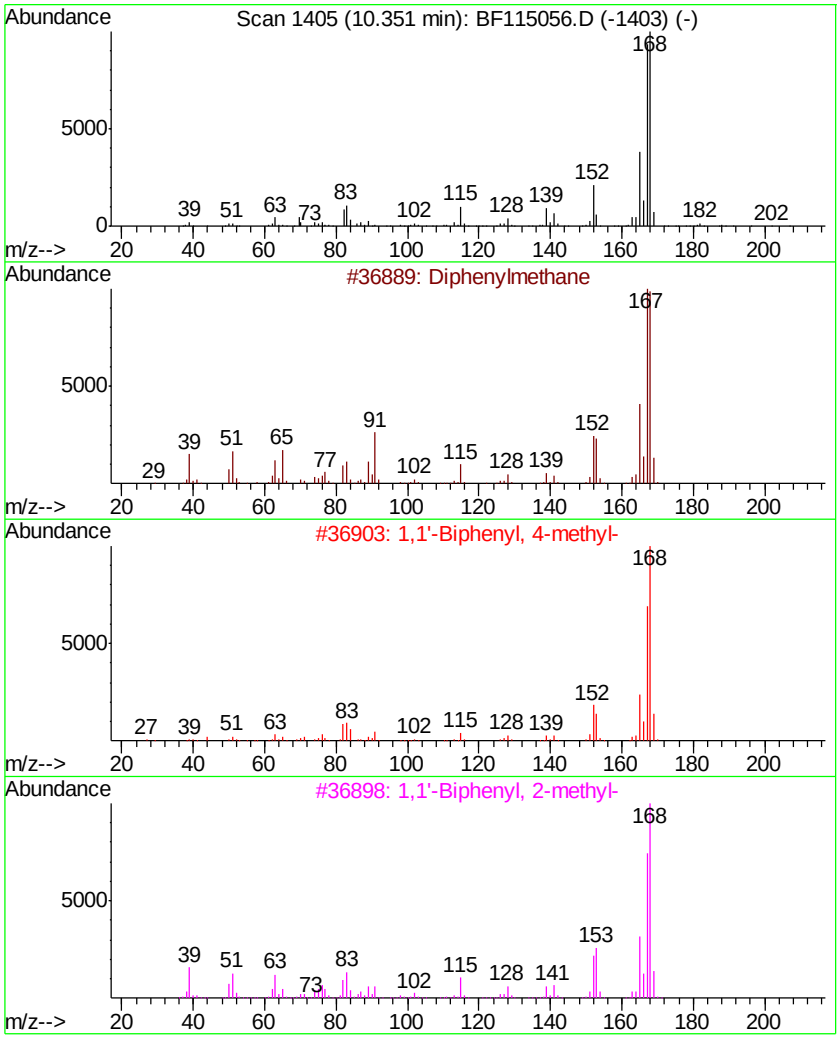
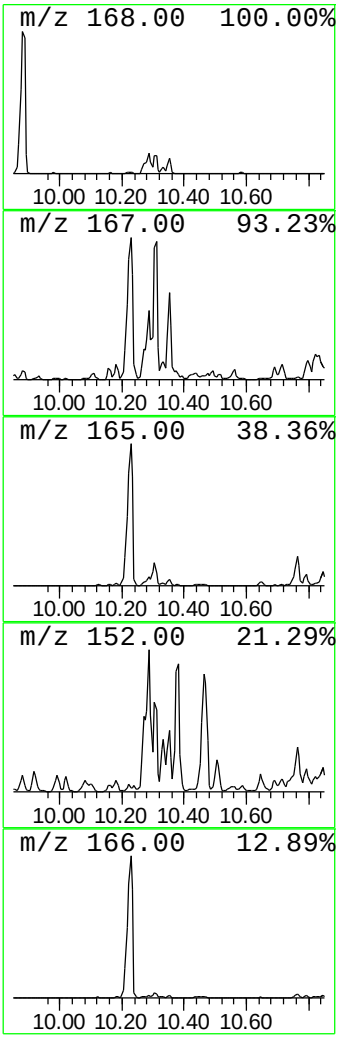
Peak Number 7 Diphenylmethane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	5.32 ng	904025	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	76
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	64
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
4	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	59
5	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	52





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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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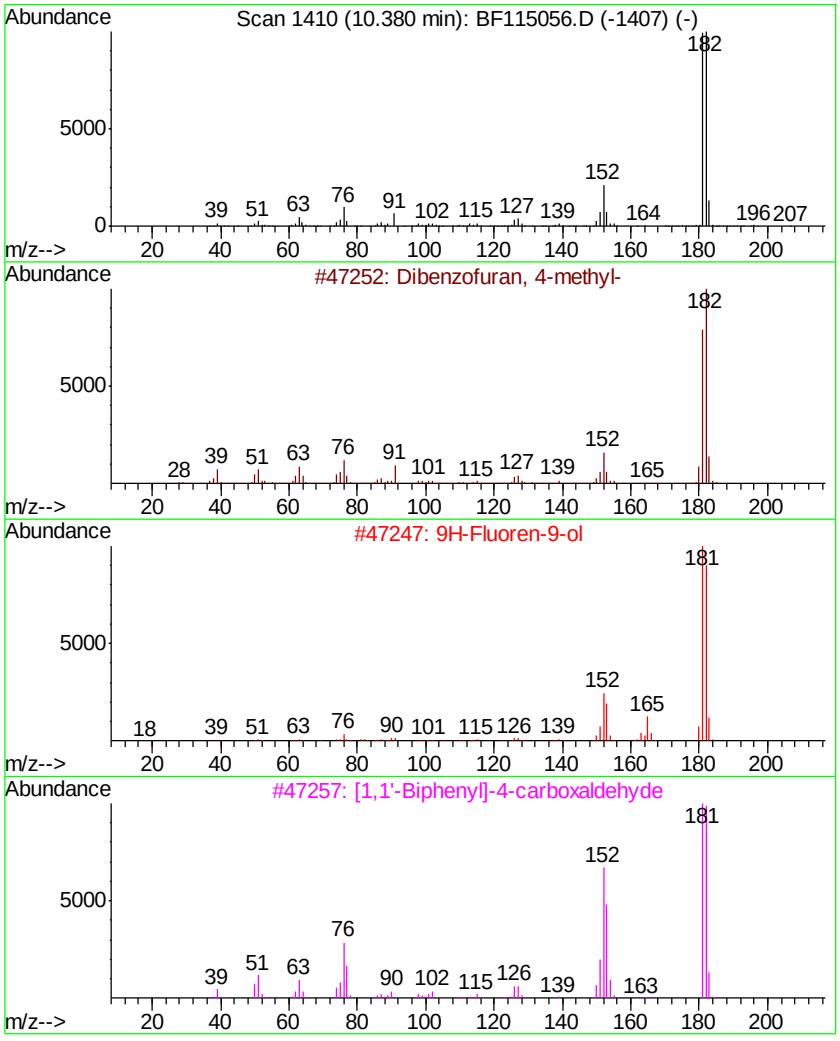
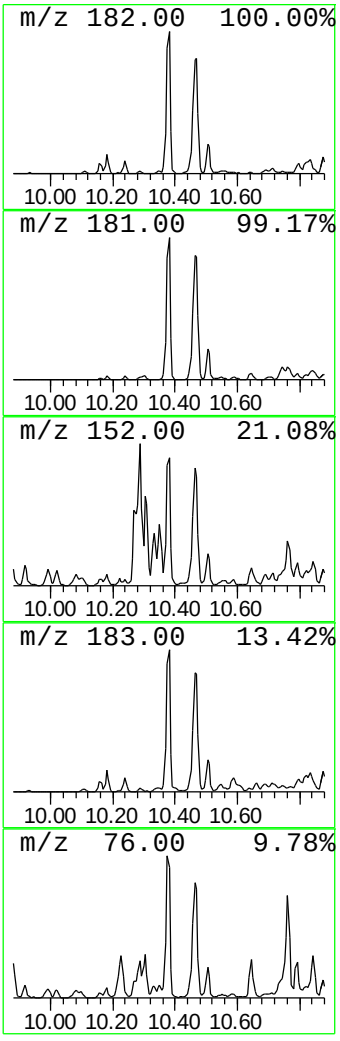
Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	13.16 ng	2234970	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	59





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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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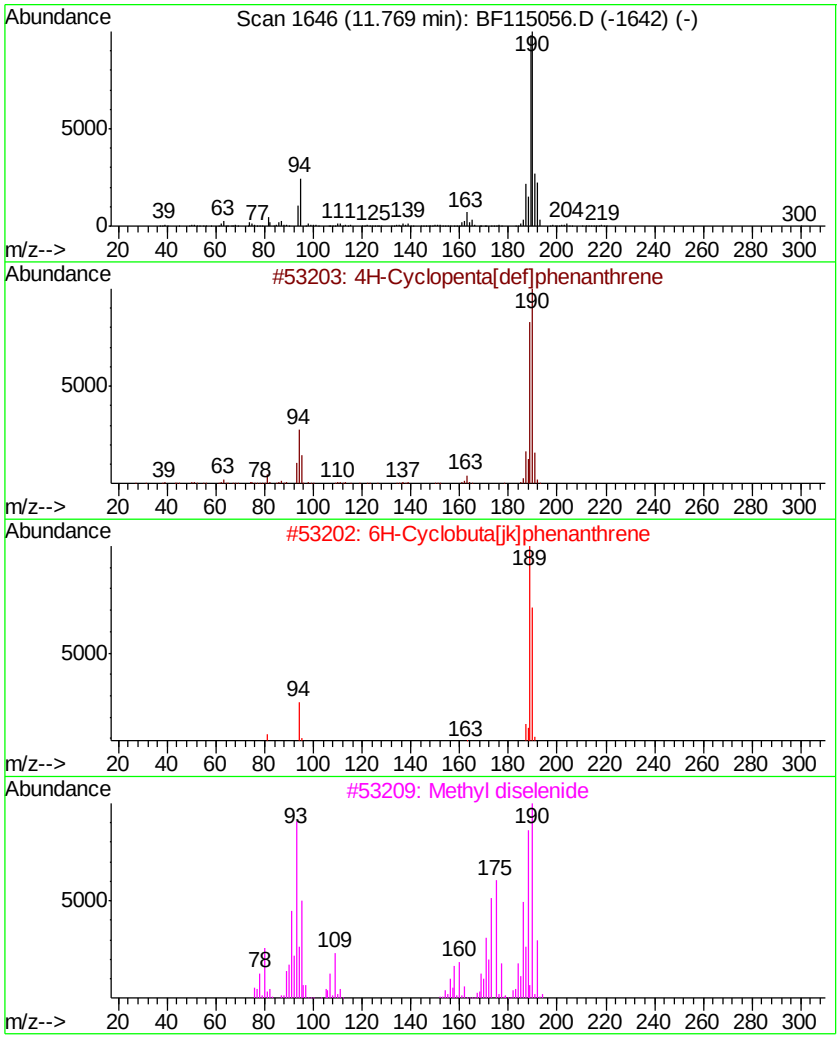
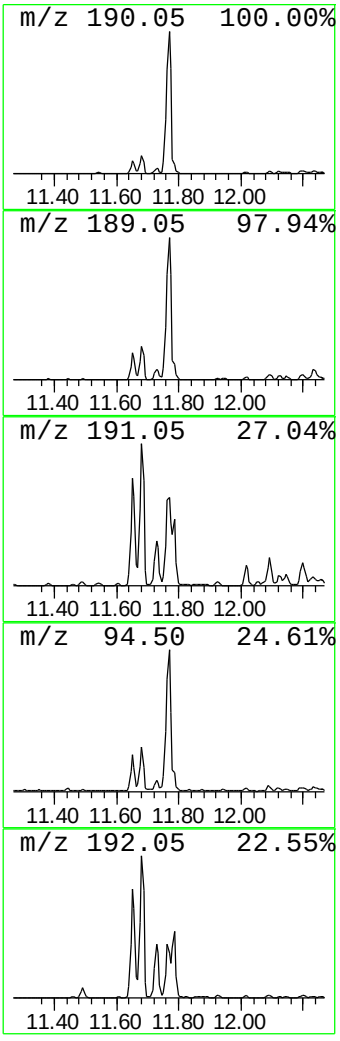
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	7.24 ng	8558280	Phenanthrene-d10	11.16

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	72
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





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ClientSampleId : RT-3860

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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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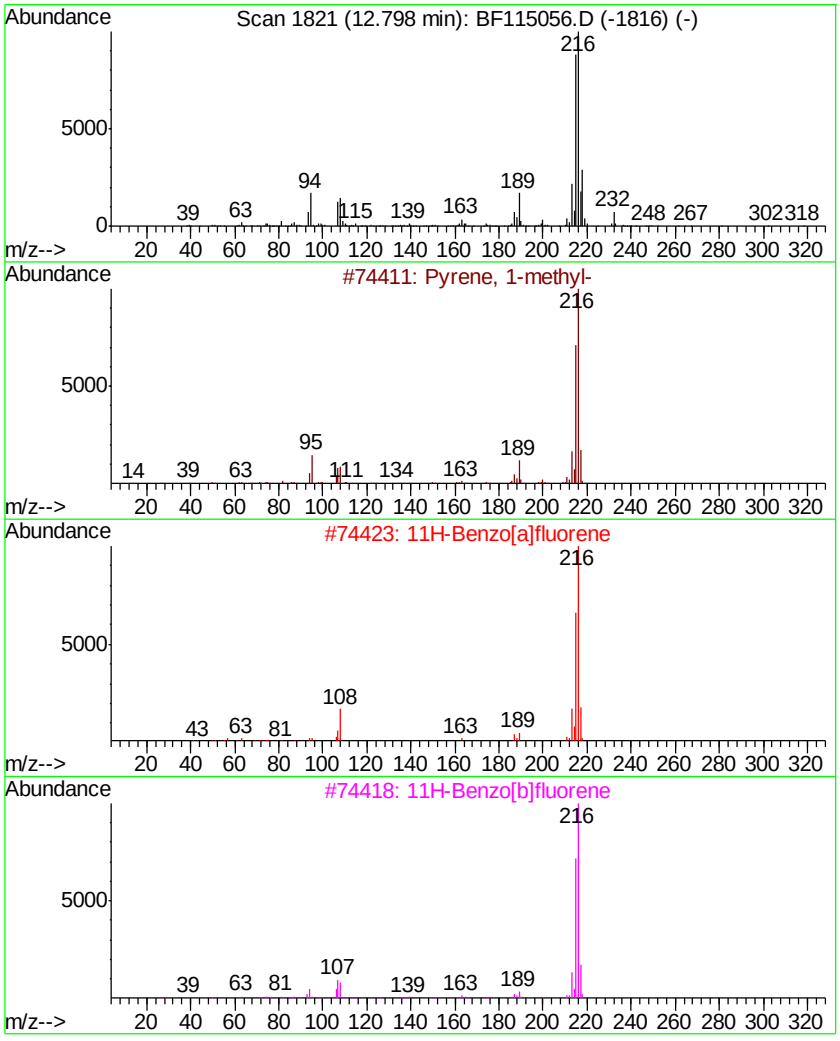
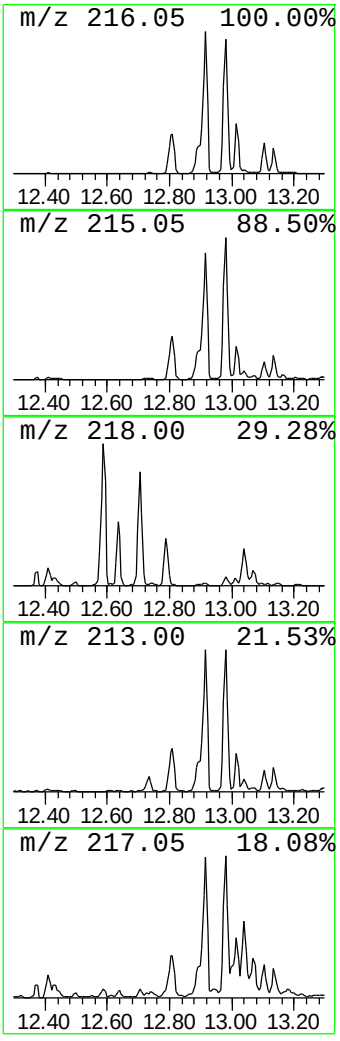
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	5.18 ng	2226890	Chrysene-d12	13.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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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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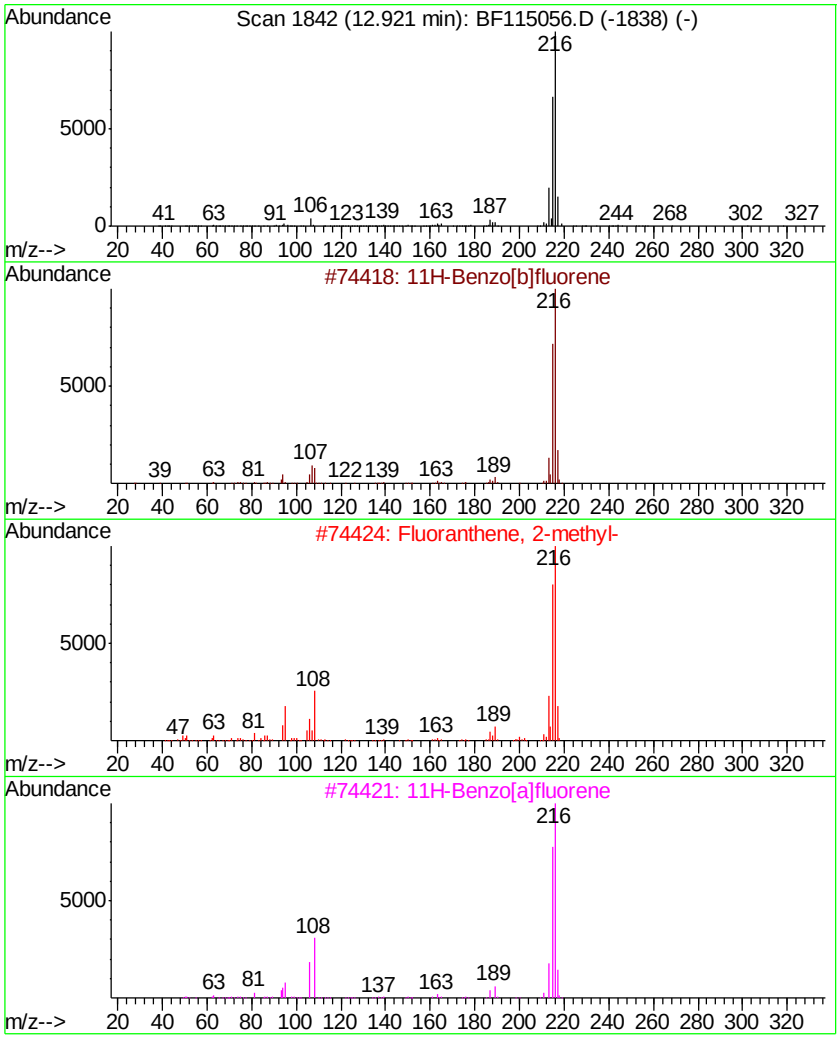
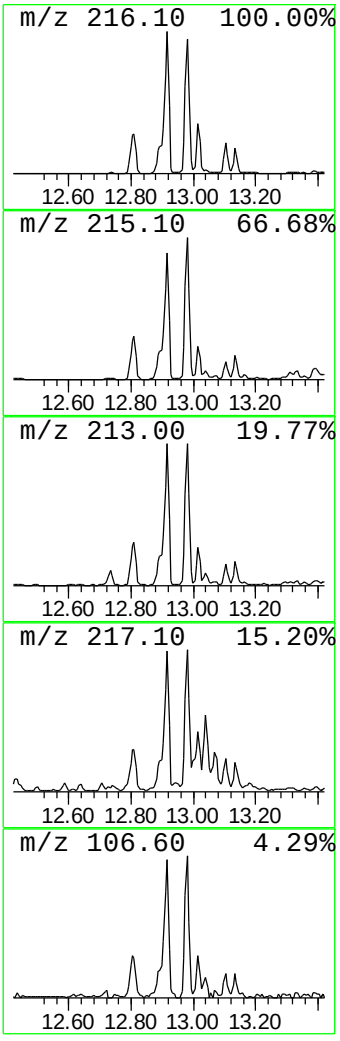
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	7.73 ng	3324560	Chrysene-d12	13.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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

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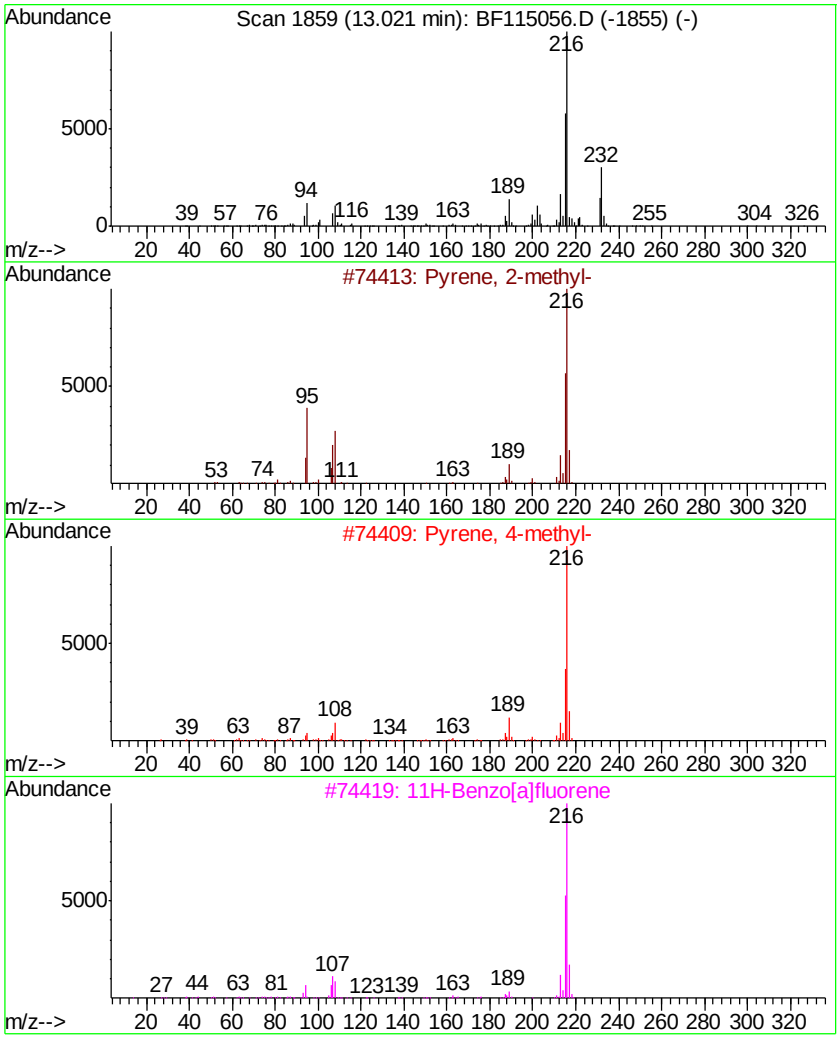
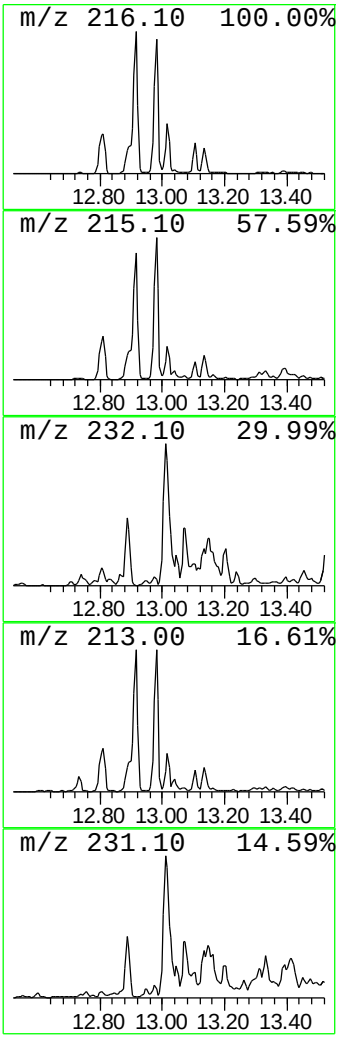
Peak Number 13 Pyrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	4.31 ng	1855330	Chrysene-d12	13.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	55
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	49
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	49





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

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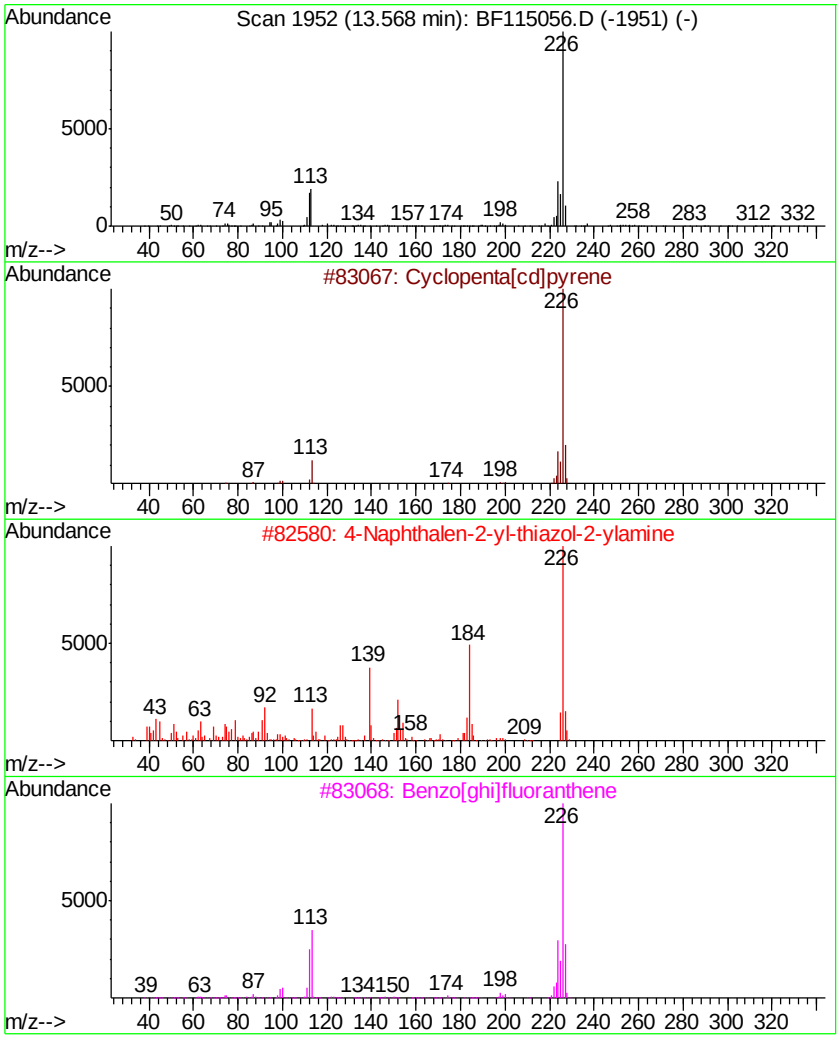
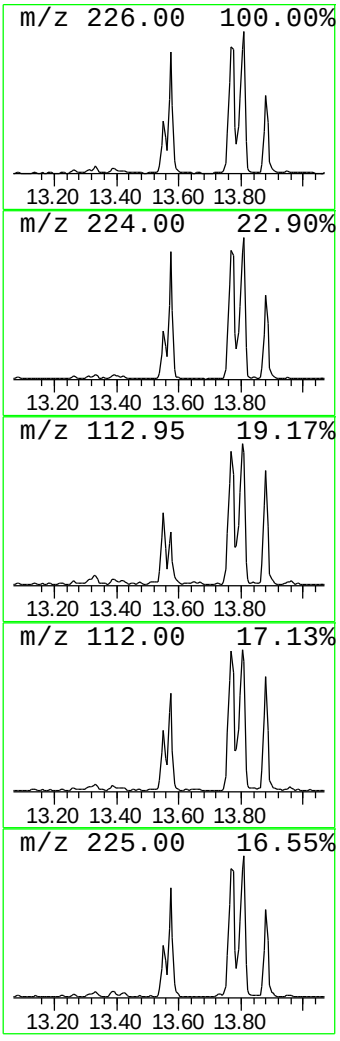
Peak Number 14 Cyclopenta[cd]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	3.54 ng	1525370	Chrysene-d12	13.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	89
2	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	53
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	49
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	40
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	40





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

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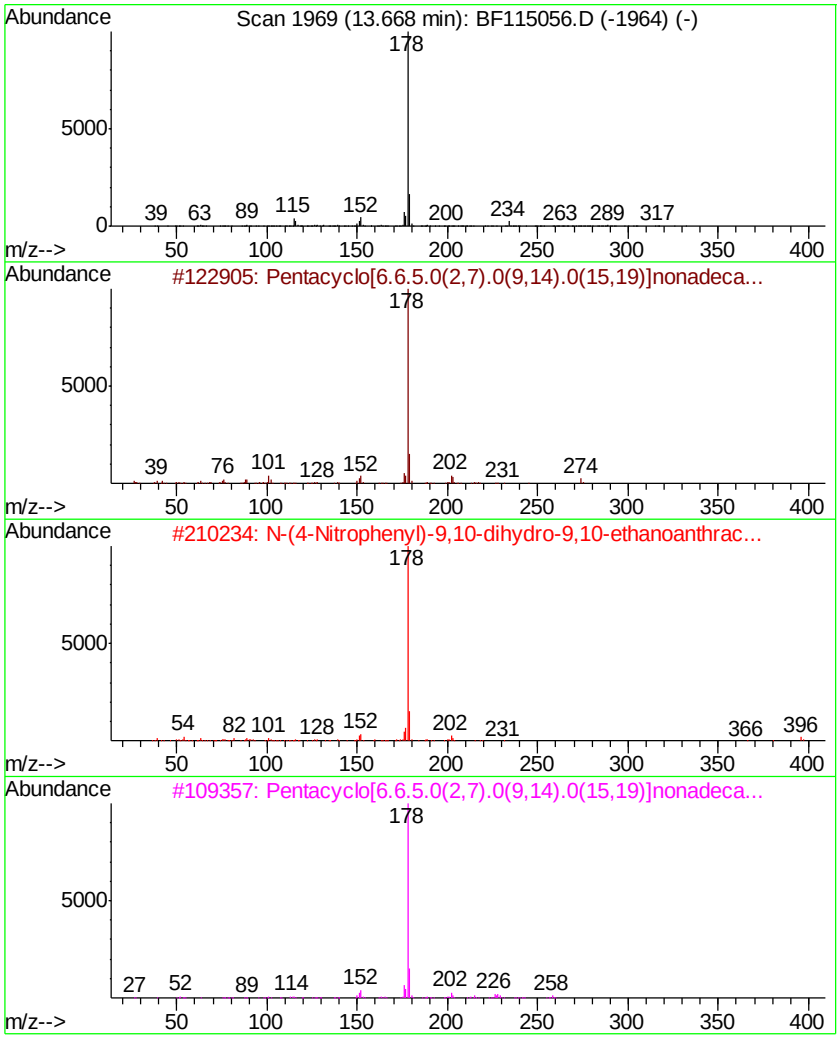
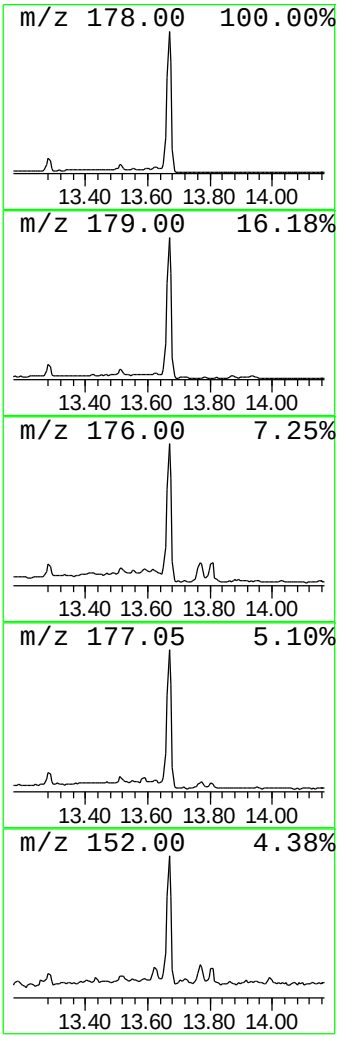
Peak Number 15 Pentacyclo[6.6.5.0(2,7).0(9... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	5.75 ng	2475320	Chrysene-d12	13.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacyclo[6.6.5.0(2,7).0(9,14)....	274	C19H14O2	111501-02-1	83
2	N-(4-Nitrophenyl)-9,10-dihydro-9...	396	C24H16N2O4	1000225-24-2	83
3	Pentacyclo[6.6.5.0(2,7).0(9,14)....	258	C19H14O	1000156-78-8	83
4	9,10-(Pyrrolidin-3',4'-diyl)anth...	289	C19H15NO2	1000194-48-8	83
5	Anthracene, 9,10-dihydro-9,10-[1...	369	C24H16FNO2	309939-01-3	78





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

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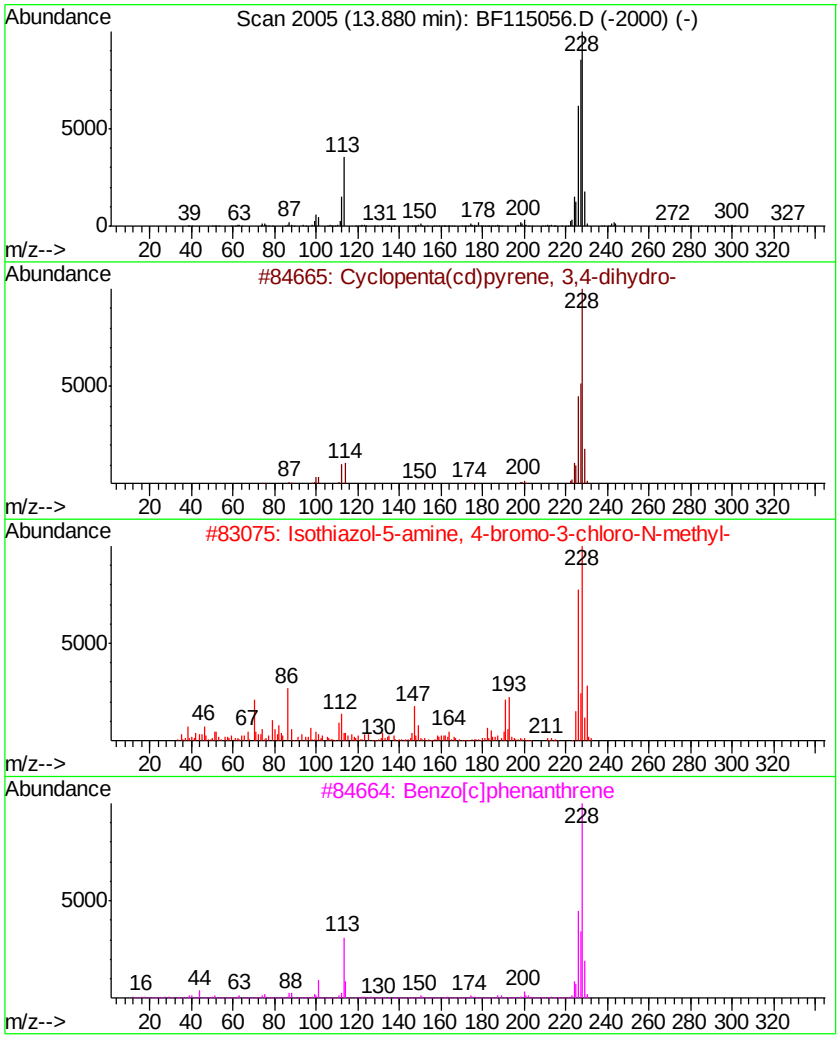
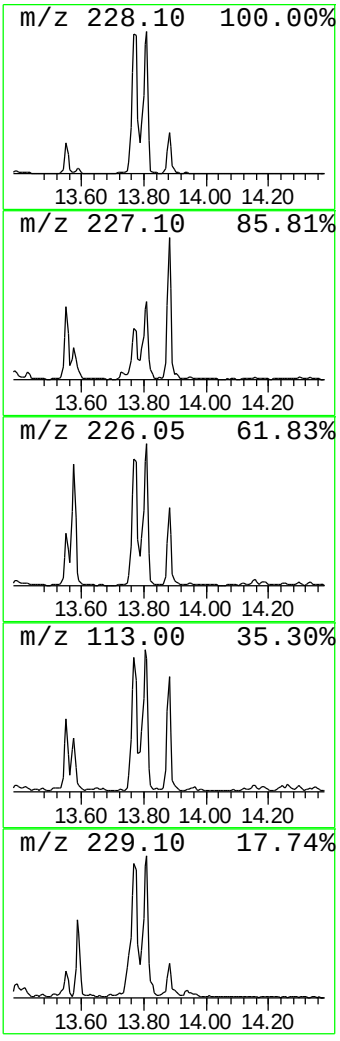
Peak Number 16 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	6.30 ng	2710310	Chrysene-d12	13.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	90
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	40
5	Chrysene	228	C18H12	000218-01-9	38





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TIC Library : C:\DATABASE\NIST11.L
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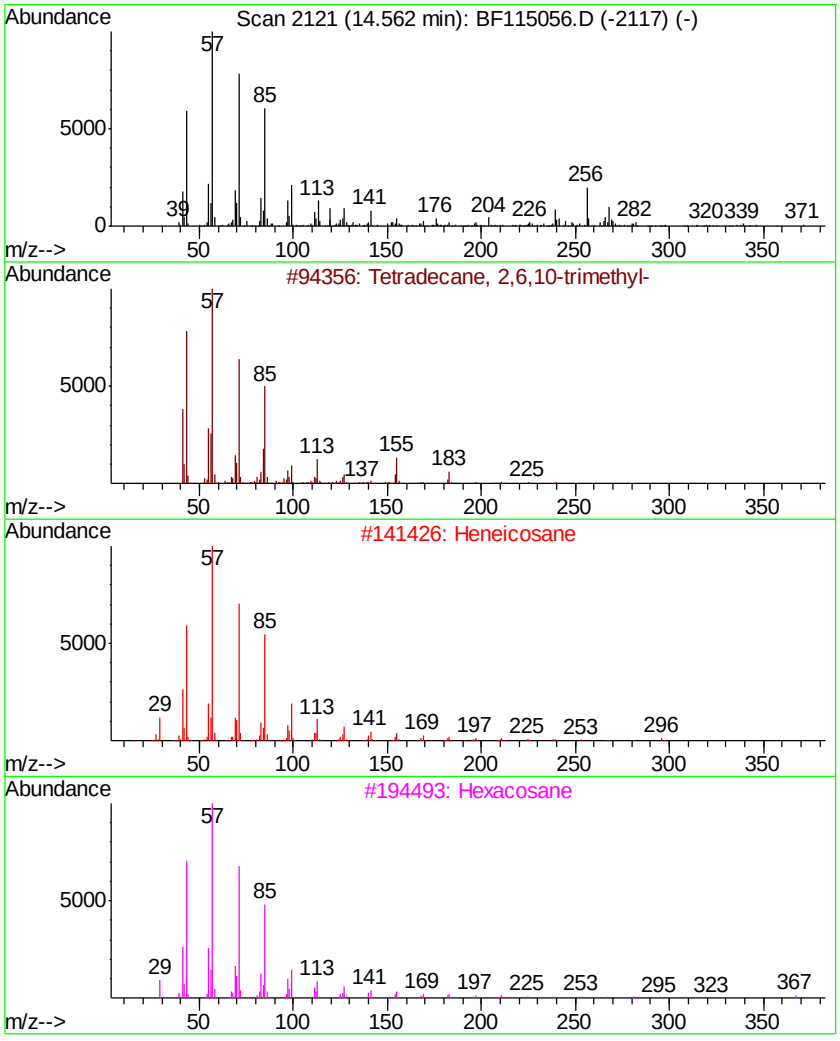
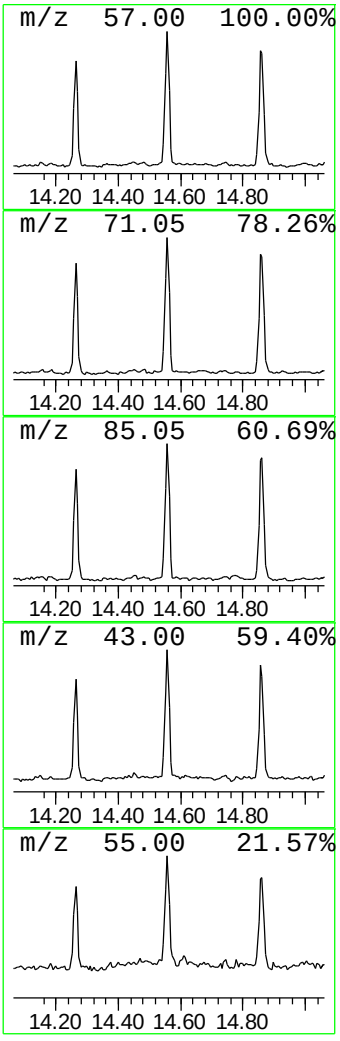
Peak Number 17 Tetradecane, 2,6,10-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	4.74 ng	506260	Perylene-d12	15.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	91
2	Heneicosane	296	C21H44	000629-94-7	87
3	Hexacosane	366	C26H54	000630-01-3	87
4	2-methyloctacosane	408	C29H60	1000376-72-8	87
5	Eicosane	282	C20H42	000112-95-8	83





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

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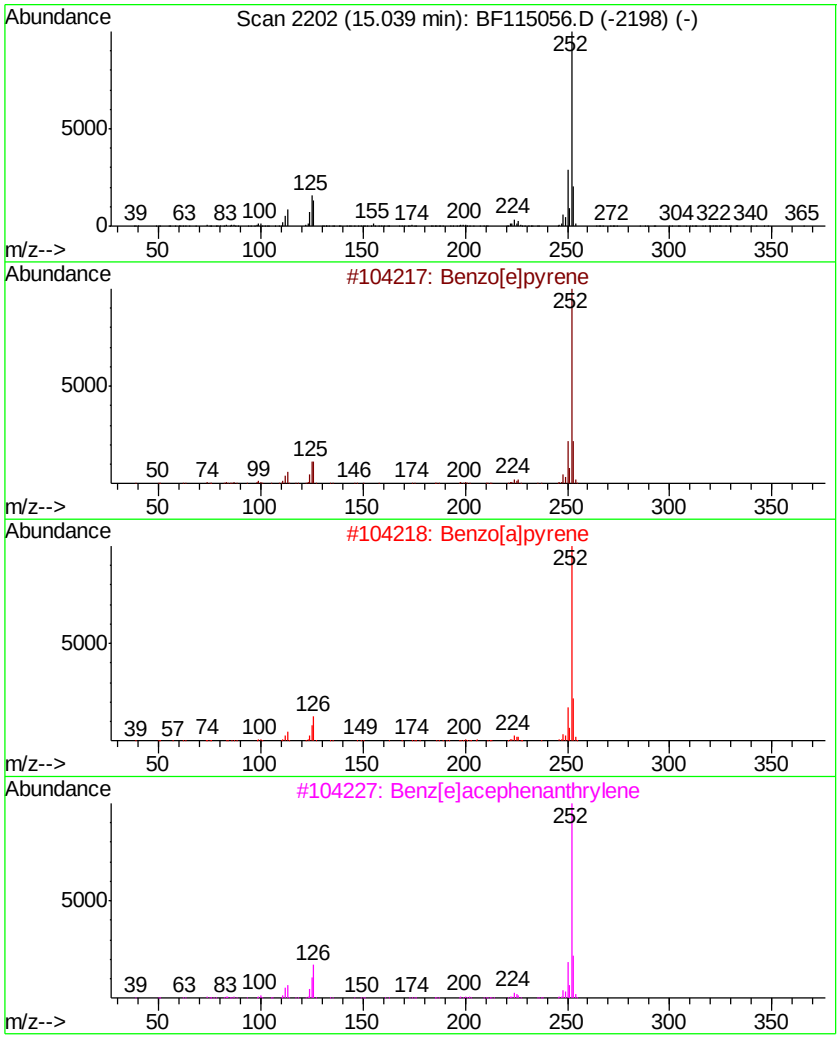
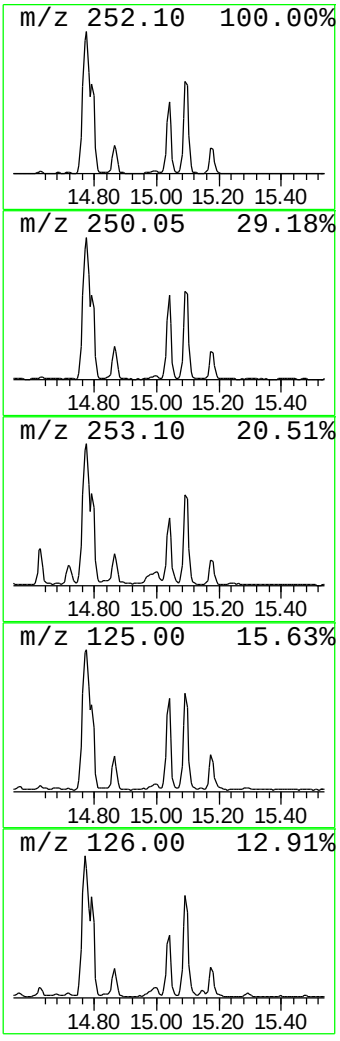
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	14.10 ng	1506640	Perylene-d12	15.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





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Sample : K3351-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

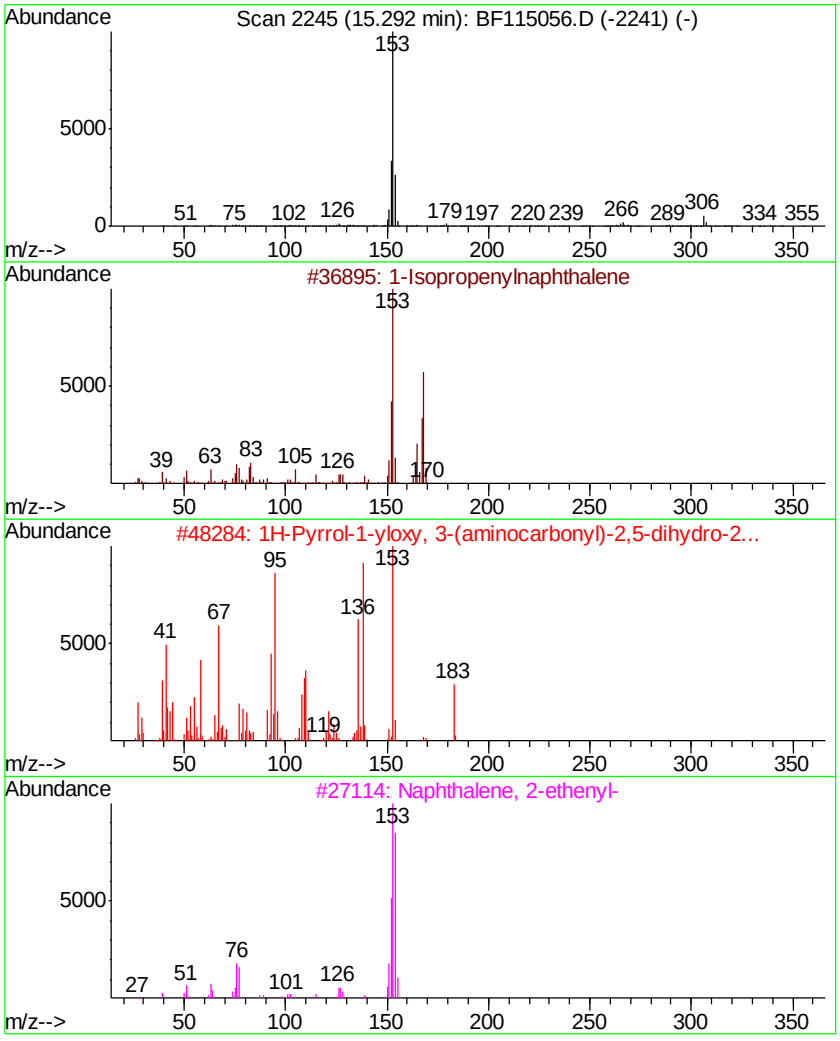
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

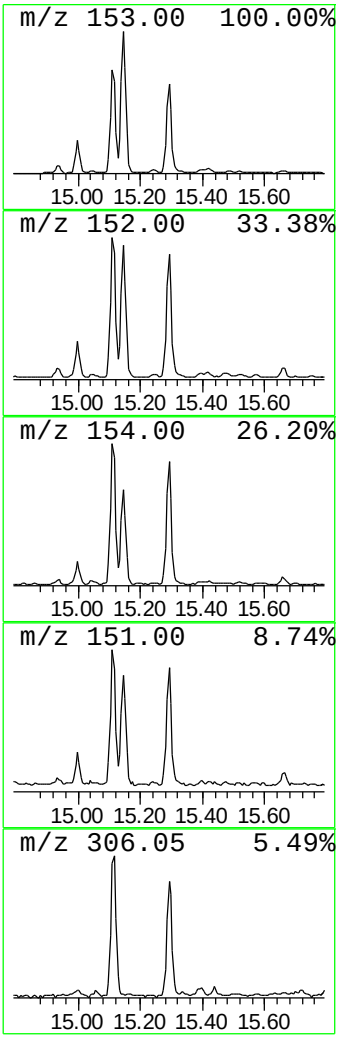
****

Peak Number 20 unknown15.29 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	8.95 ng	956227	Perylene-d12	15.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	9
2	1H-Pyrrol-1-yloxy, 3-(aminocarbo...	183	C9H15N2O2	003229-73-0	9
3	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	5
4	1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	5
5	2(1H)-Pyridinethione, 1,4,6-trim...	153	C8H11NS	019006-70-3	5





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061419\
Data File : BF115056.D
Acq On : 14 Jun 2019 22:37
Operator : HP/JU
Sample : K3351-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.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
unknown6.42	6.42	82.6	ng	7639570	1	6.65	1848970	20.0
Naphthalene, 2,7-...	9.26	8.0	ng	1356060	3	9.67	3397450	20.0
Naphthalene, 1,6-...	9.34	8.6	ng	1454270	3	9.67	3397450	20.0
1-Isopropenylnaph...	10.29	8.3	ng	1408500	3	9.67	3397450	20.0
9H-Fluorene, 9-me...	10.30	11.3	ng	1912470	3	9.67	3397450	20.0
Diphenylmethane	10.35	5.3	ng	904025	3	9.67	3397450	20.0
Dibenzofuran, 4-m...	10.38	13.2	ng	2234970	3	9.67	3397450	20.0
4H-Cyclopenta[def...	11.77	7.2	ng	8558280	4	11.16	23648200	20.0
Pyrene, 1-methyl-	12.80	5.2	ng	2226890	5	13.78	8605790	20.0
11H-Benzo[b]fluorene	12.92	7.7	ng	3324560	5	13.78	8605790	20.0
Pyrene, 2-methyl-	13.02	4.3	ng	1855330	5	13.78	8605790	20.0
Cyclopenta[cd]pyrene	13.57	3.5	ng	1525370	5	13.78	8605790	20.0
Pentacyclo[6.6.5....	13.67	5.8	ng	2475320	5	13.78	8605790	20.0
Cyclopenta(cd)pyr...	13.88	6.3	ng	2710310	5	13.78	8605790	20.0
Tetradecane, 2,6,...	14.56	4.7	ng	506260	6	15.15	2137230	20.0
Benzo[e]pyrene	15.04	14.1	ng	1506640	6	15.15	2137230	20.0
unknown15.29	15.29	8.9	ng	956227	6	15.15	2137230	20.0