LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
Data File : BF115960.D
Acq On : 2 Aug 2019 21:23
Operator : HP/JU
Sample : K4130-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

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-BF073019.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	5.469	571	575	599	rBV	2238299	2277331	11.88%	0.819%
2	6.481	743	747	767	rBV	2265249	2539933	13.25%	0.913%
3	6.622	767	771	774	rBV	2858281	2418740	12.62%	0.870%
4	7.004	833	836	840	rBV	2043661	1943836	10.14%	0.699%
5	7.410	901	905	921	rVB	1682430	1536160	8.01%	0.552%
6	8.134	1024	1028	1029	rBV	955183	843929	4.40%	0.303%
7	8.151	1029	1031	1035	rVB	1493707	1316462	6.87%	0.473%
8	8.845	1146	1149	1155	rBV	1028759	929818	4.85%	0.334%
9	9.210	1207	1211	1214	rBV	3147949	2696612	14.07%	0.970%
10	9.551	1264	1269	1271	rVV	834952	827259	4.32%	0.297%
11	9.892	1321	1327	1330	rBV2	1183102	1469845	7.67%	0.529%
12	9.933	1330	1334	1336	rVV	5365861	5632530	29.39%	2.025%
13	10.104	1358	1363	1366	rVV	3856014	3967258	20.70%	1.427%
14	10.451	1415	1422	1425	rBV	5093125	6231740	32.51%	2.241%
15	10.510	1430	1432	1433	rVV	1148182	926918	4.84%	0.333%
16	10.528	1433	1435	1438	rVV	1714307	1657975	8.65%	0.596%
17	10.575	1441	1443	1445	rVV	993851	950506	4.96%	0.342%
18	10.598	1445	1447	1452	rVB	1781959	1634856	8.53%	0.588%
19	10.686	1452	1462	1465	rBV	3185841	4131079	21.55%	1.485%
20	10.733	1465	1470	1473	rVB3	552032	782132	4.08%	0.281%
21	10.810	1476	1483	1488	rVB4	507057	881655	4.60%	0.317%
22	10.992	1507	1514	1516	rVV3	1714118	2567510	13.40%	0.923%
23	11.022	1516	1519	1522	rVV2	1287618	1486364	7.75%	0.534%
24	11.075	1525	1528	1530	rVV	1019698	1003684	5.24%	0.361%
25	11.122	1534	1536	1538	rVV	885351	1043371	5.44%	0.375%
26	11.139	1538	1539	1545	rVV	971106	1276365	6.66%	0.459%
27	11.192	1545	1548	1552	rVV2	597431	839769	4.38%	0.302%
28	11.239	1552	1556	1560	rVV3	1132541	1965297	10.25%	0.707%
29	11.280	1560	1563	1571	rVB	2603726	2813485	14.68%	1.012%
30	11.445	1577	1591	1593	rBV	6220190	19166710	100.00%	6.892%
31	11.486	1593	1598	1600	rVV	5894549	9149837	47.74%	3.290%
32	11.504	1600	1601	1603	rVV	2054620	1326369	6.92%	0.477%
33	11.551	1606	1609	1614	rVV5	650925	1151195	6.01%	0.414%
34	11.622	1615	1621	1624	rVV2	3542529	4635419	24.18%	1.667%

LSC Area Percent Report

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Acq On : 2 Aug 2019 21:23
Operator : HP/JU
Sample : K4130-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.680	1628	1631	1633	rVV2	1198593	1169703	6.10%	0.421%
36	11.716	1635	1637	1642	rVV2	792970	1159838	6.05%	0.417%
37	11.892	1662	1667	1669	rBV	3460416	3720017	19.41%	1.338%
38	11.927	1669	1673	1676	rVB	4175363	4593811	23.97%	1.652%
39	11.974	1676	1681	1683	rBV	2423494	2686257	14.02%	0.966%
40	12.016	1683	1688	1690	rVV	4775162	7298000	38.08%	2.624%
41	12.180	1712	1716	1720	rVV	2624223	2955396	15.42%	1.063%
42	12.222	1720	1723	1726	rVV2	938390	1045480	5.45%	0.376%
43	12.333	1736	1742	1745	rVV	1004688	1204231	6.28%	0.433%
44	12.363	1745	1747	1749	rVV	932849	822538	4.29%	0.296%
45	12.439	1756	1760	1763	rBV	1993255	2579783	13.46%	0.928%
46	12.480	1763	1767	1773	rVV2	1427773	2438092	12.72%	0.877%
47	12.539	1773	1777	1783	rVB3	736307	1576511	8.23%	0.567%
48	12.639	1783	1794	1797	rBV	6046065	16668600	86.97%	5.994%
49	12.674	1797	1800	1805	rVB	1002751	1127950	5.88%	0.406%
50	12.757	1810	1814	1817	rBV	1266643	1293943	6.75%	0.465%
51	12.851	1824	1830	1832	rVV2	5996860	12038446	62.81%	4.329%
52	12.892	1835	1837	1841	rVB2	1886170	1712452	8.93%	0.616%
53	12.974	1844	1851	1853	rBV2	3027637	4759525	24.83%	1.711%
54	12.998	1853	1855	1858	rVB	1480717	1260348	6.58%	0.453%
55	13.057	1859	1865	1868	rBV3	1557376	2843427	14.84%	1.022%
56	13.139	1876	1879	1881	rBV3	1103275	1364763	7.12%	0.491%
57	13.169	1881	1884	1887	rVB	3493397	3802259	19.84%	1.367%
58	13.239	1891	1896	1898	rBV	3401441	3954335	20.63%	1.422%
59	13.269	1898	1901	1904	rVV2	1955504	2670598	13.93%	0.960%
60	13.363	1913	1917	1919	rBV	1151807	1093141	5.70%	0.393%
61	13.392	1919	1922	1925	rVB2	1197599	1076361	5.62%	0.387%
62	13.563	1948	1951	1952	rVV2	724293	783389	4.09%	0.282%
63	13.580	1952	1954	1957	rVV	1071971	1240776	6.47%	0.446%
64	13.645	1961	1965	1968	rVV2	847450	1314486	6.86%	0.473%
65	13.674	1968	1970	1973	rVV2	1033754	1143119	5.96%	0.411%
66	13.780	1984	1988	1990	rVV	1405529	1761555	9.19%	0.633%
67	13.810	1990	1993	1995	rVV	1961762	2123388	11.08%	0.764%
68	13.839	1995	1998	2004	rVV3	1754807	3132409	16.34%	1.126%
69	13.886	2004	2006	2011	rVV	877084	1024017	5.34%	0.368%
70	13.945	2011	2016	2023	rVV	491087	1065949	5.56%	0.383%
71	14.039	2023	2032	2035	rVV3	5439801	11900097	62.09%	4.279%

LSC Area Percent Report

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Sample : K4130-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.074	2035	2038	2044	rVV	5142856	7343628	38.31%	2.641%
73	14.151	2048	2051	2054	rVV	2964589	2966343	15.48%	1.067%
74	14.186	2054	2057	2059	rVV3	633596	882967	4.61%	0.317%
75	14.221	2060	2063	2066	rVV2	1163450	1389663	7.25%	0.500%
76	14.257	2066	2069	2073	rVV2	1522138	1910000	9.97%	0.687%
77	14.380	2087	2090	2092	rVV	921029	962050	5.02%	0.346%
78	14.421	2092	2097	2099	rVV	1992187	2523411	13.17%	0.907%
79	14.451	2099	2102	2106	rVV2	1148053	1408385	7.35%	0.506%
80	14.498	2106	2110	2111	rVV3	725214	970500	5.06%	0.349%
81	14.515	2111	2113	2116	rVV	1185759	1422192	7.42%	0.511%
82	14.545	2116	2118	2120	rVV	1229058	1402098	7.32%	0.504%
83	14.568	2120	2122	2125	rVV3	1630523	1530000	7.98%	0.550%
84	14.604	2125	2128	2132	rVV2	894202	1298546	6.78%	0.467%
85	14.739	2147	2151	2159	rBV3	812149	1495540	7.80%	0.538%
86	14.921	2178	2182	2185	rBV	604496	783598	4.09%	0.282%
87	15.104	2204	2213	2215	rBV	4126745	9449414	49.30%	3.398%
88	15.198	2225	2229	2232	rVB	1540906	1632305	8.52%	0.587%
89	15.292	2239	2245	2248	rBV2	465204	1081965	5.65%	0.389%
90	15.333	2248	2252	2256	rVV3	593631	1129988	5.90%	0.406%
91	15.398	2257	2263	2269	rVV	2649378	4632724	24.17%	1.666%
92	15.474	2269	2276	2280	rVV	3906431	6983289	36.43%	2.511%
93	15.515	2280	2283	2286	rVV	772323	1031478	5.38%	0.371%
94	15.557	2286	2290	2295	rVB2	1845276	2541164	13.26%	0.914%
95	15.739	2316	2321	2326	rVB2	475029	1072301	5.59%	0.386%
96	16.792	2494	2500	2504	rBV2	372583	762764	3.98%	0.274%
97	17.021	2529	2539	2544	rVB	1956222	4597654	23.99%	1.653%
98	17.174	2557	2565	2569	rBV	623585	1338920	6.99%	0.481%
99	17.468	2605	2615	2624	rBV	1359923	3551275	18.53%	1.277%
100	17.698	2646	2654	2668	rVB	594738	1586798	8.28%	0.571%

Sum of corrected areas: 278107899

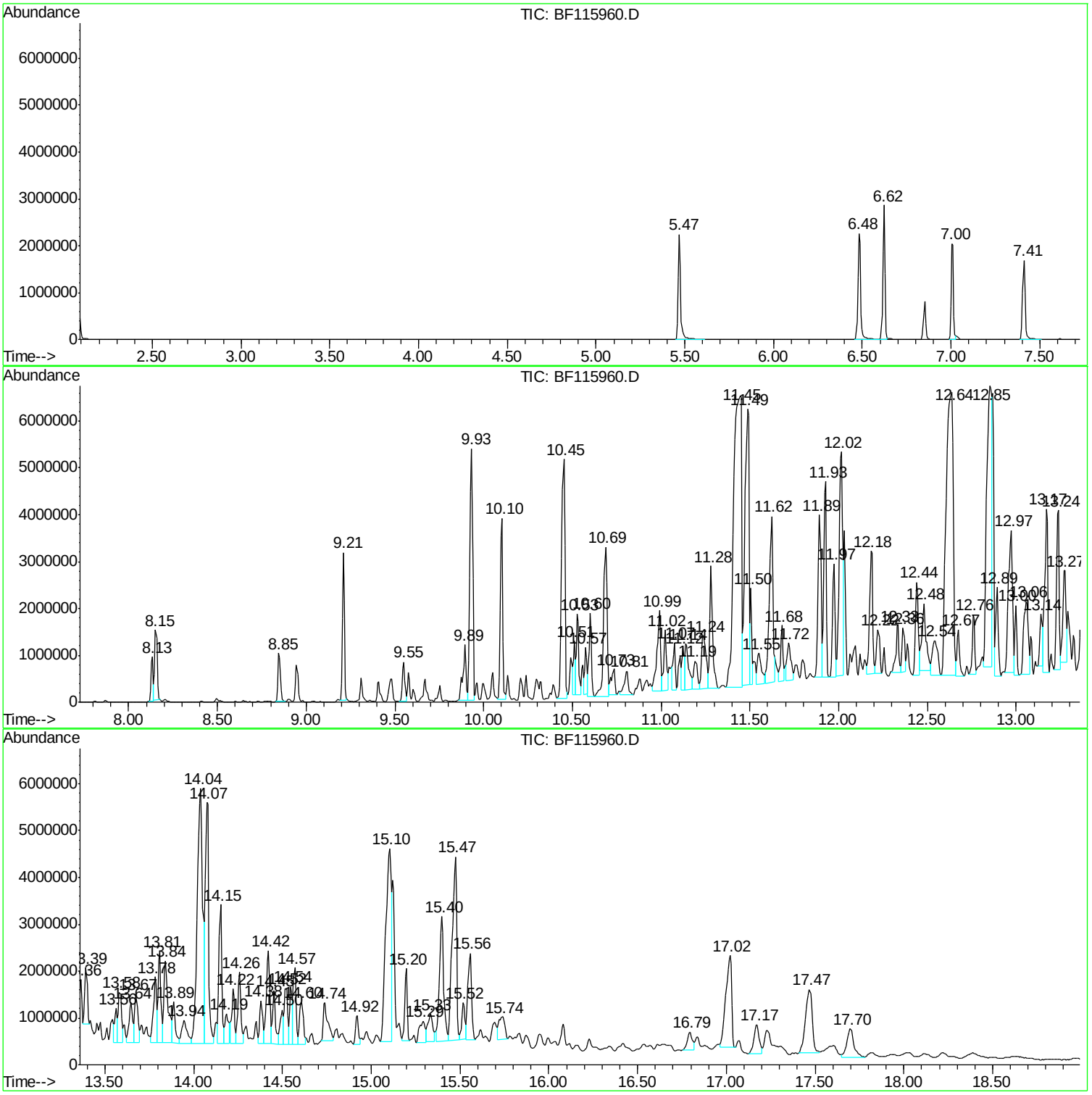
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
Data File : BF115960.D
Acq On : 2 Aug 2019 21:23
Operator : HP/JU
Sample : K4130-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
Data File : BF115960.D
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Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

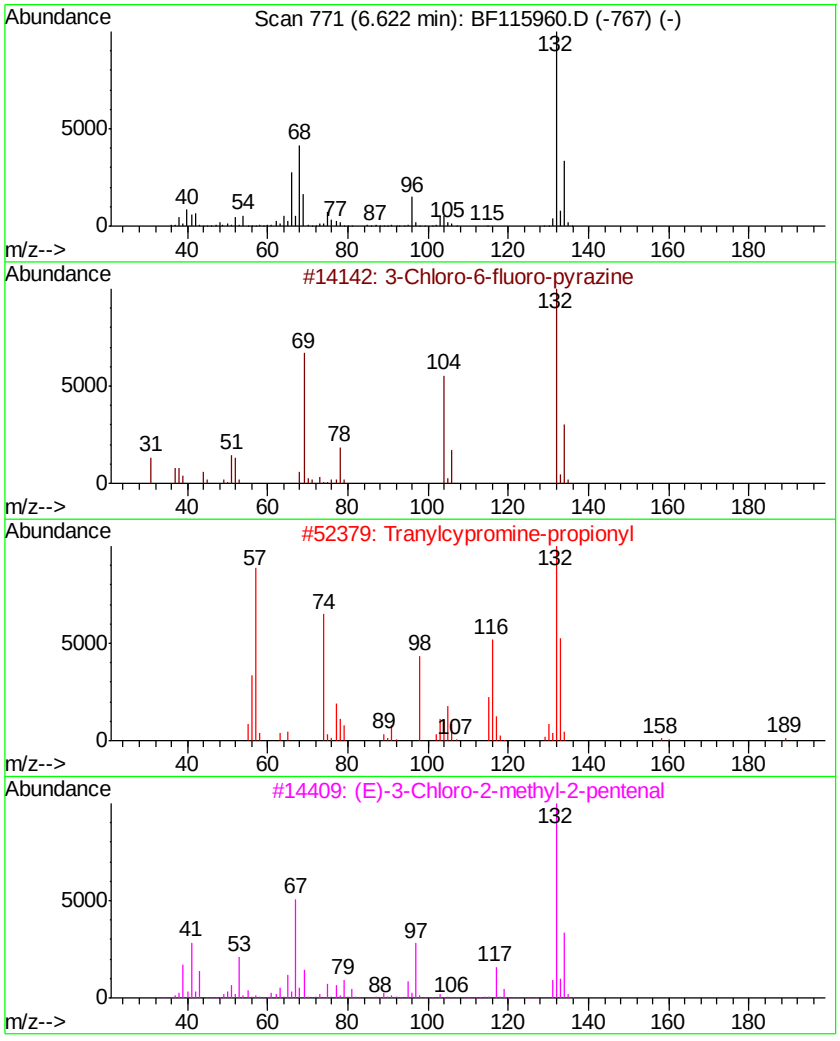
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

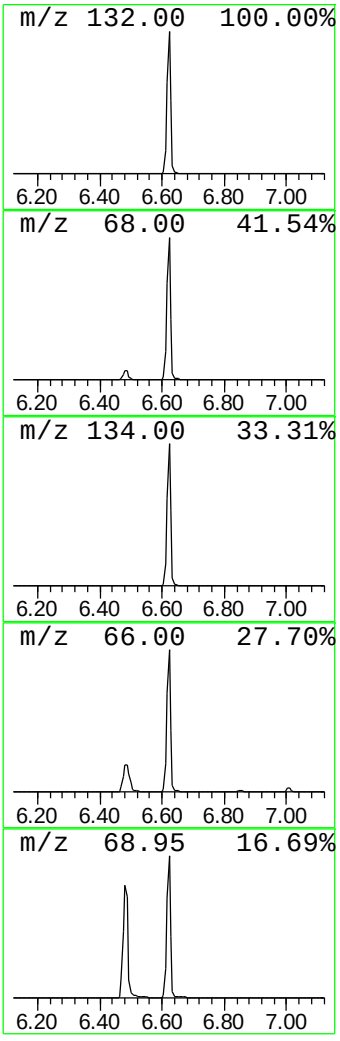
****

Peak Number 1 unknown6.62 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	24.89 ng	2418740	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Data File : BF115960.D
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Operator : HP/JU
Sample : K4130-11
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Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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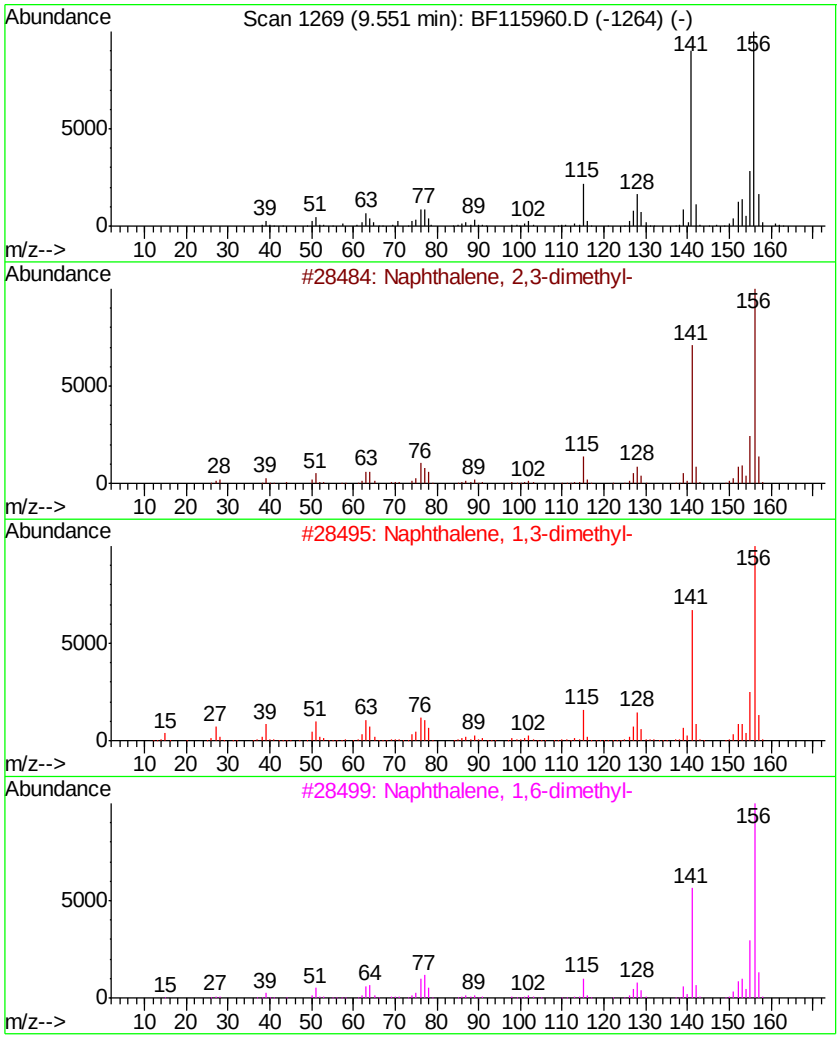
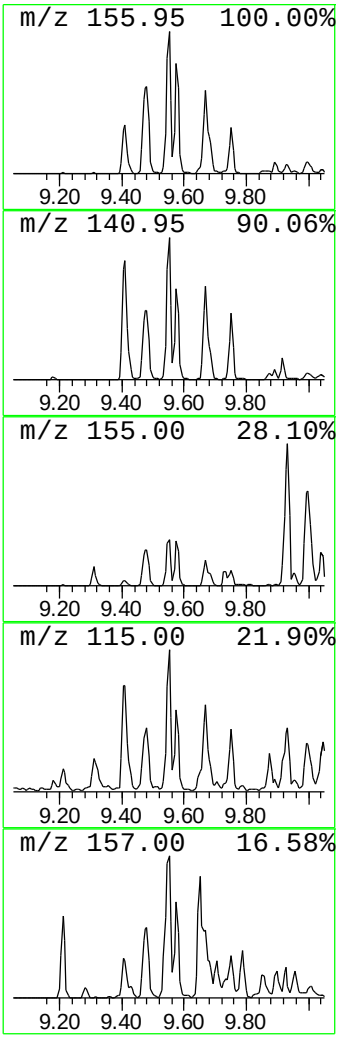
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	11.26 ng	827259	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Operator : HP/JU
Sample : K4130-11
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Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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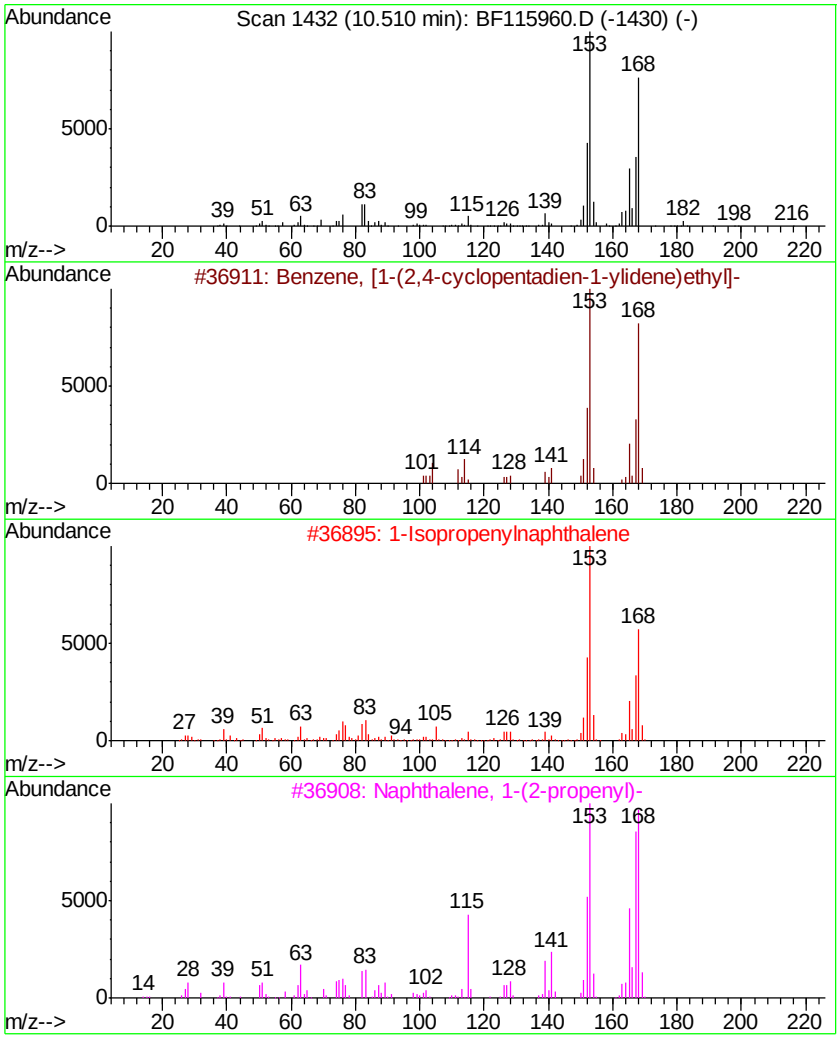
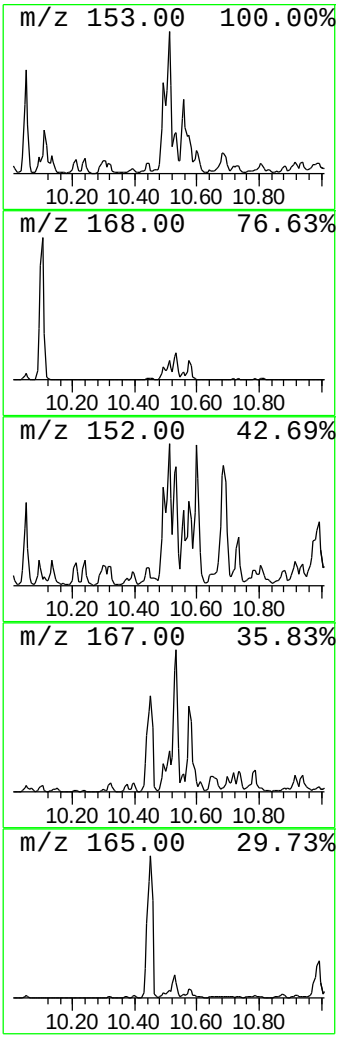
Peak Number 4 Benzene, [1-(2,4-cyclopenta... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	12.61 ng	926918	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	80
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	59
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	52





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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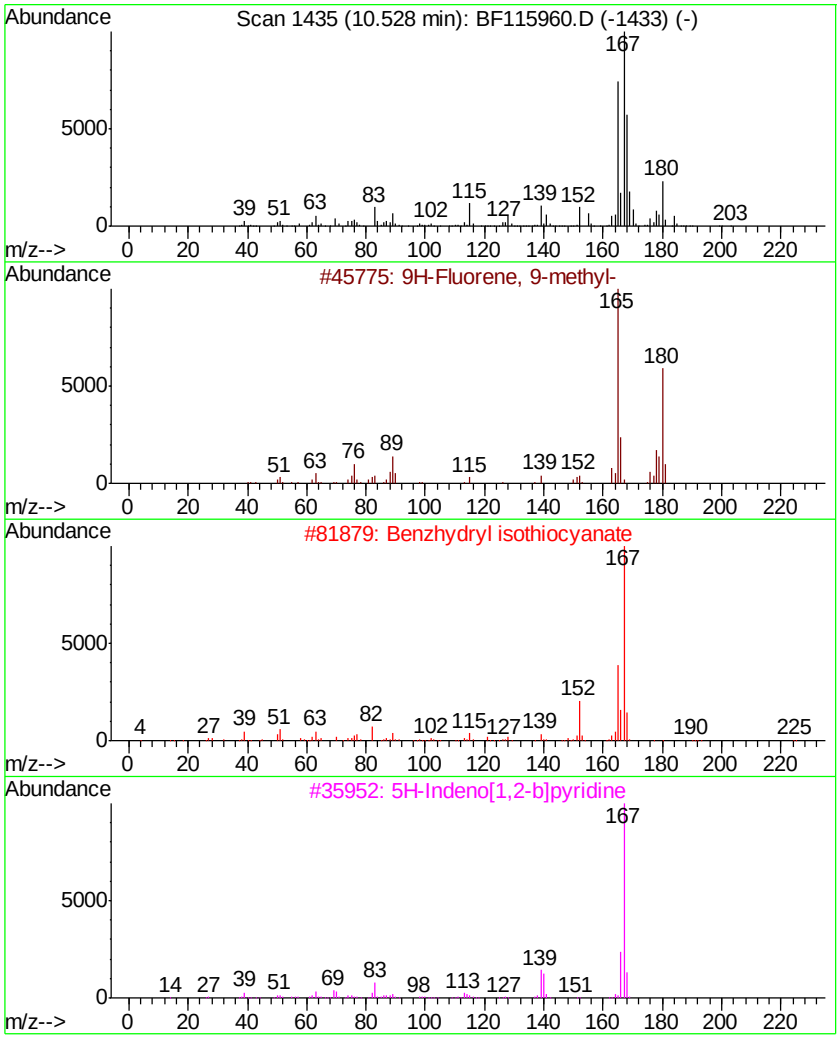
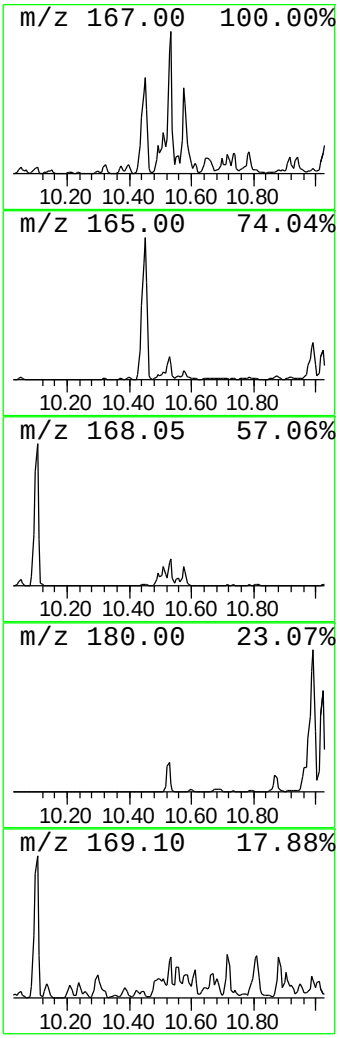
Peak Number 5 unknown10.53 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	22.56 ng	1657980	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	42
2	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	32
3	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	27
4	Carbazole	167	C12H9N	000086-74-8	27
5	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
Data File : BF115960.D
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Operator : HP/JU
Sample : K4130-11
Misc :
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Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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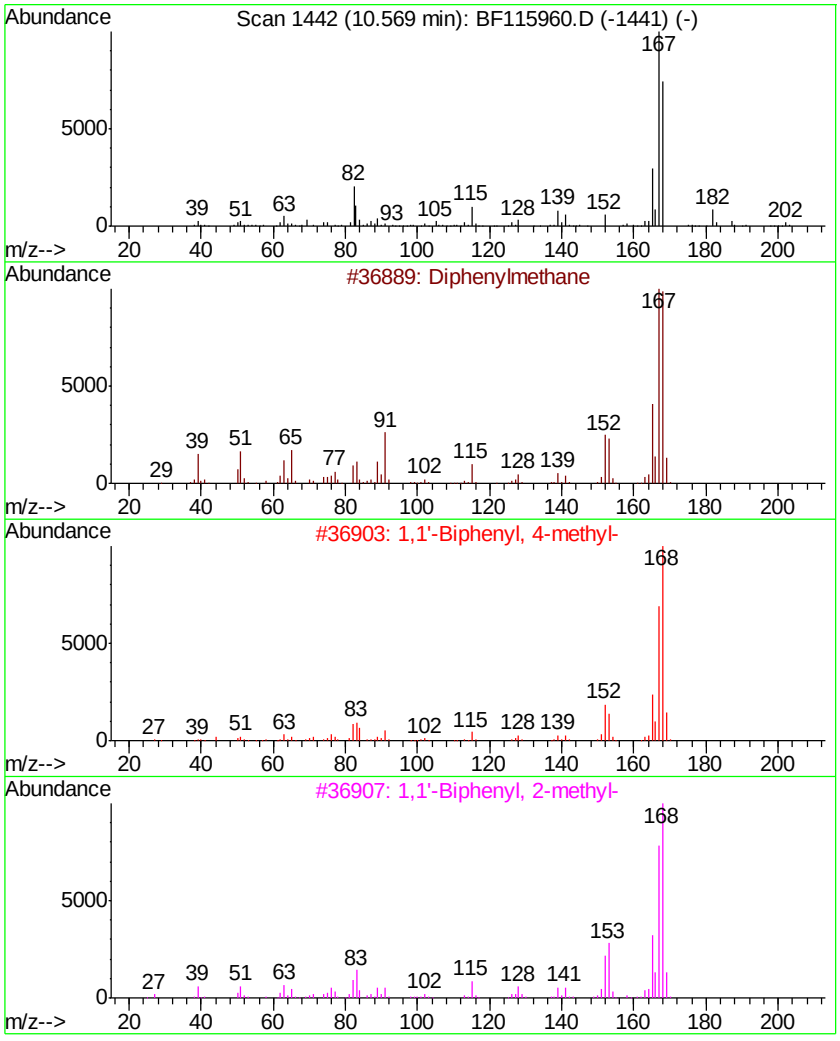
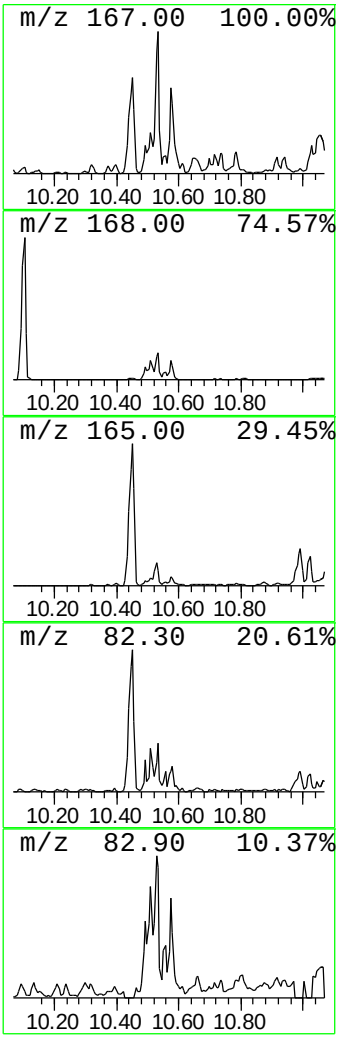
Peak Number 6 Diphenylmethane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	12.93 ng	950506	Acenaphthene-d10	9.89

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	60
4	3,4-Dihydroxy-5-methoxybenzaldehyde	168	C8H8O4	003934-87-0	53
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	53





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Acq On : 2 Aug 2019 21:23
Operator : HP/JU
Sample : K4130-11
Misc :
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Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

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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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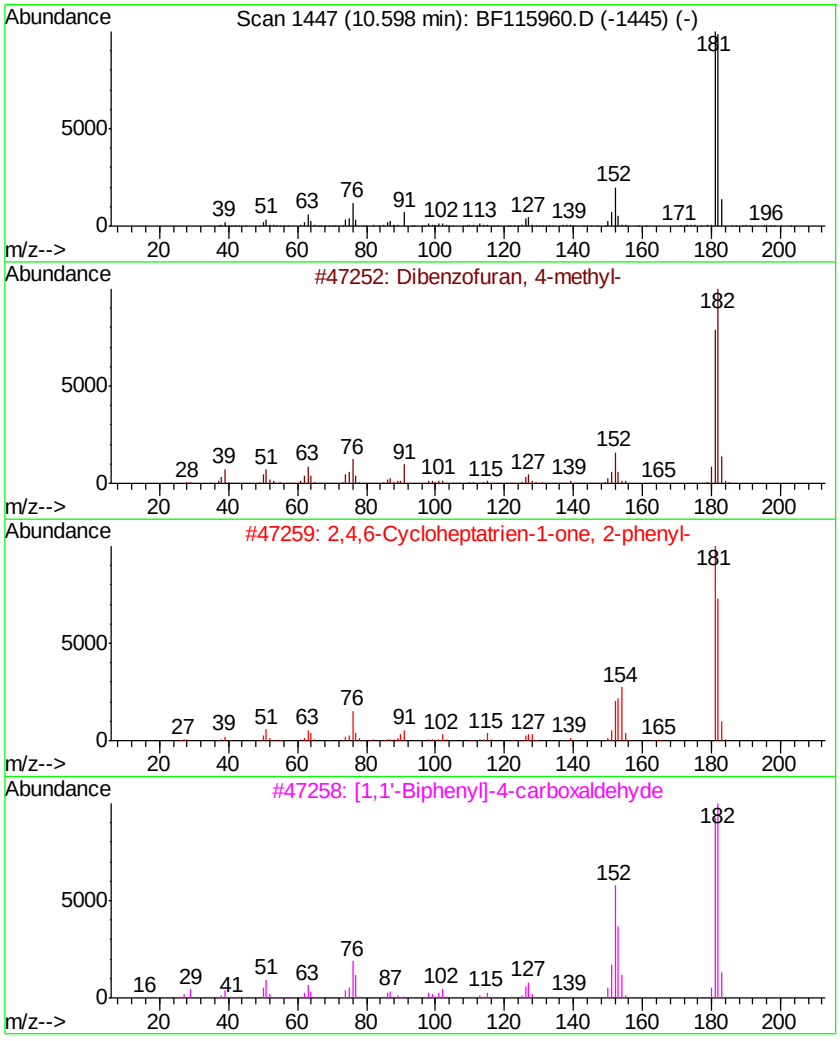
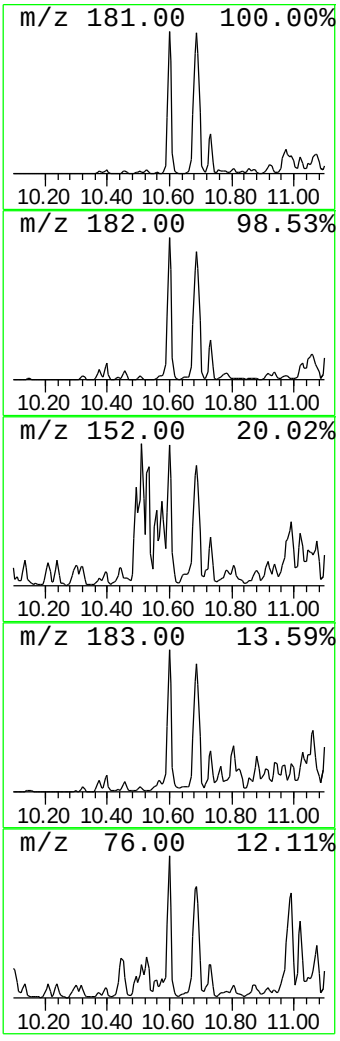
Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	22.25 ng	1634860	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
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	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64





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Misc :
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Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

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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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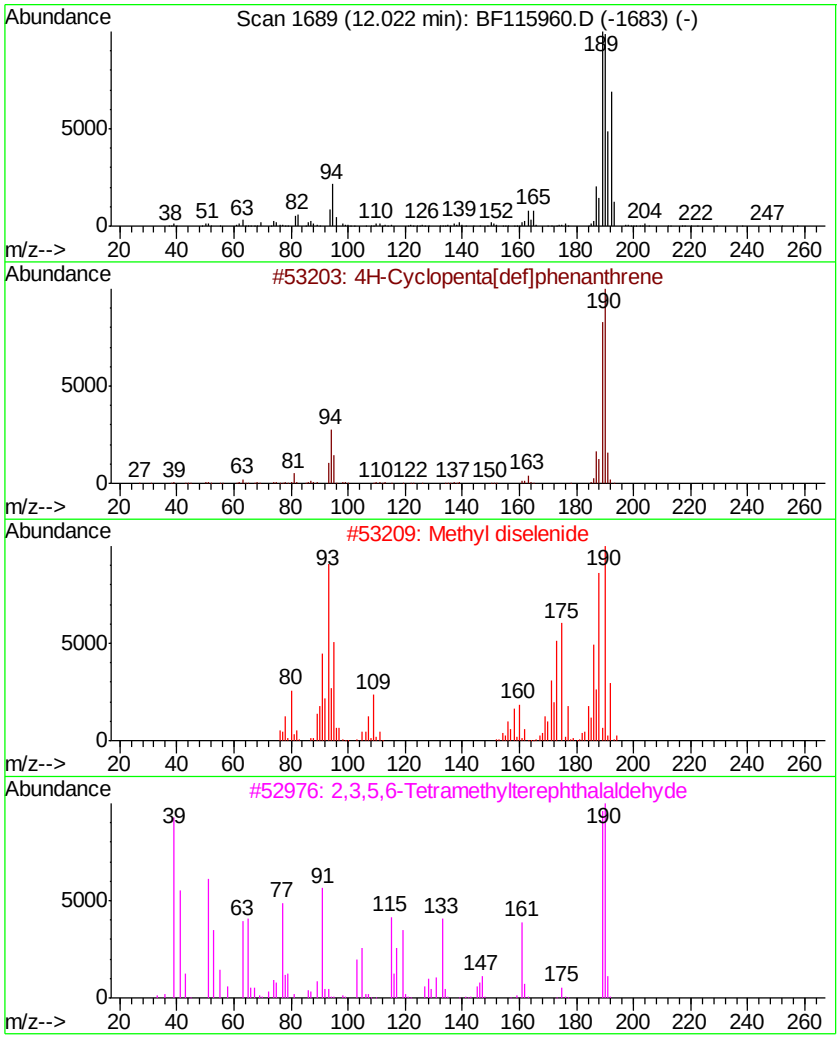
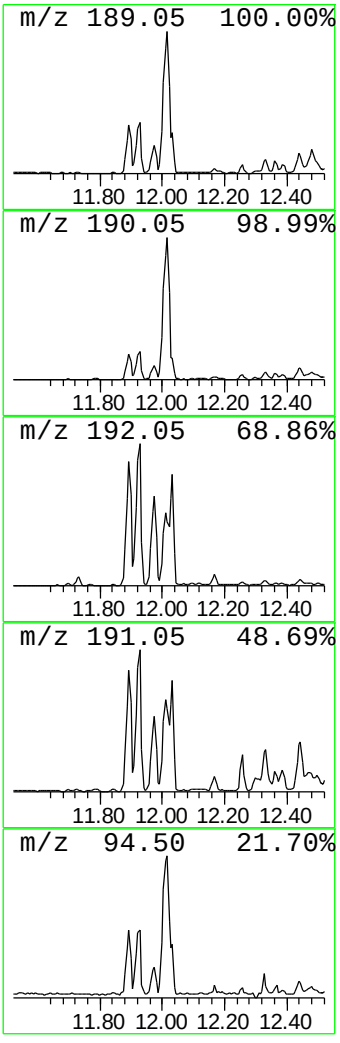
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	7.62 ng	7298000	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





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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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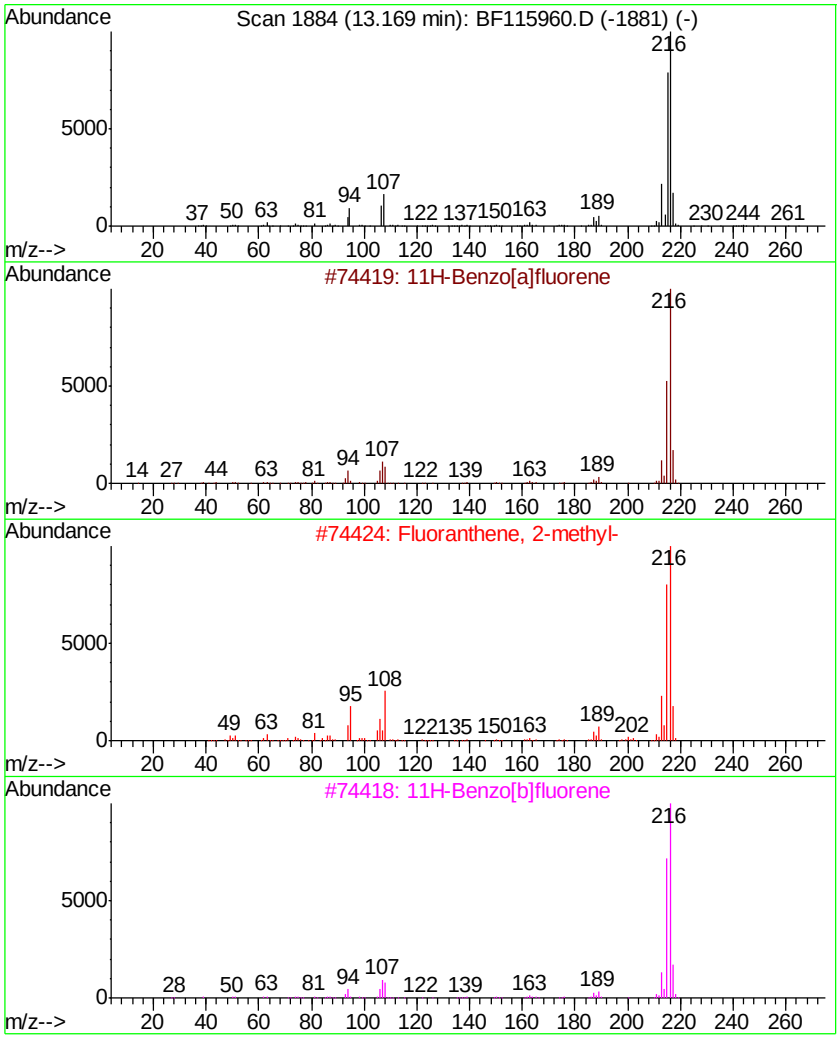
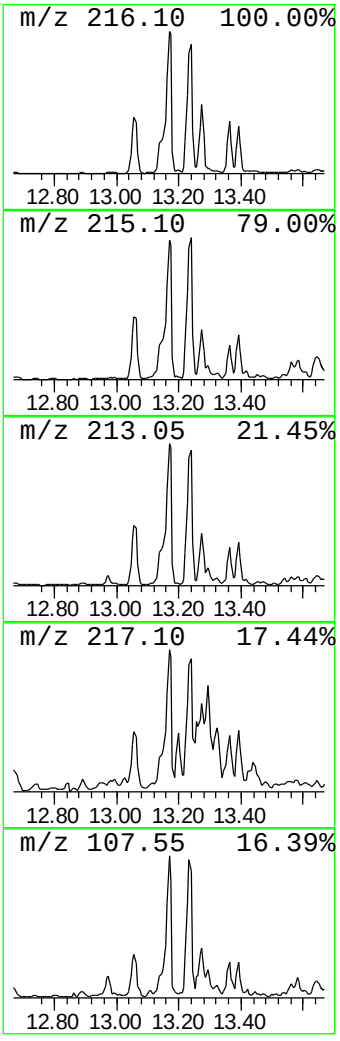
Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	6.39 ng	3802260	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





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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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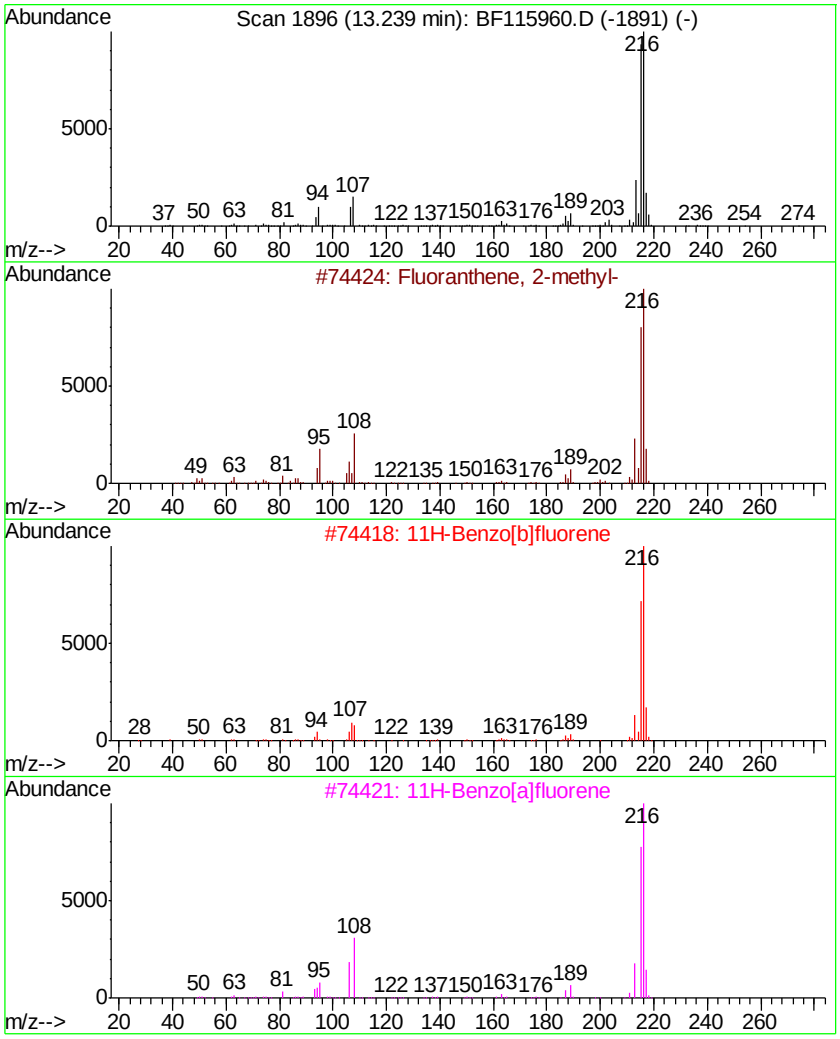
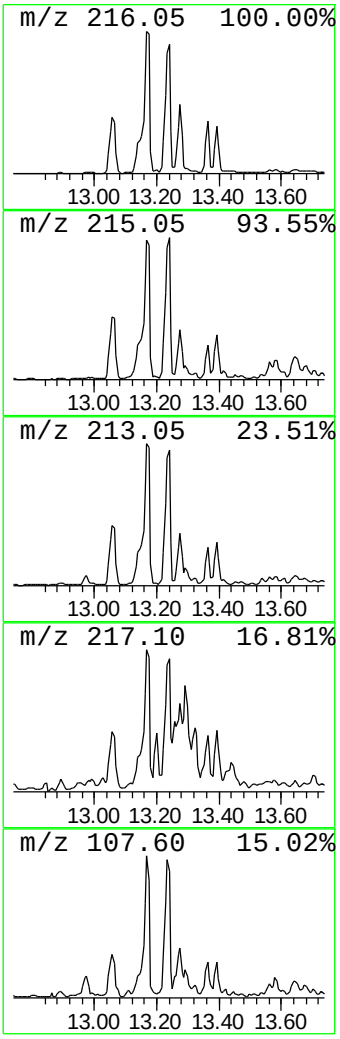
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	6.65 ng	3954340	Chrysene-d12	14.04

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	93
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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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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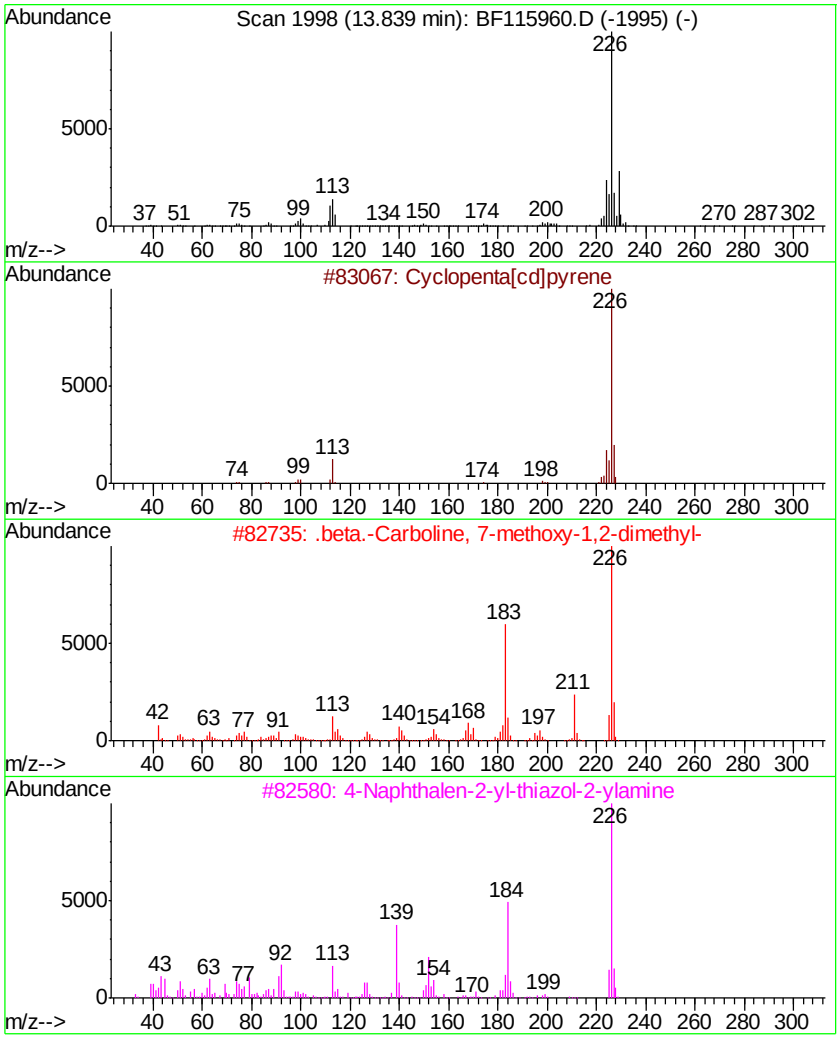
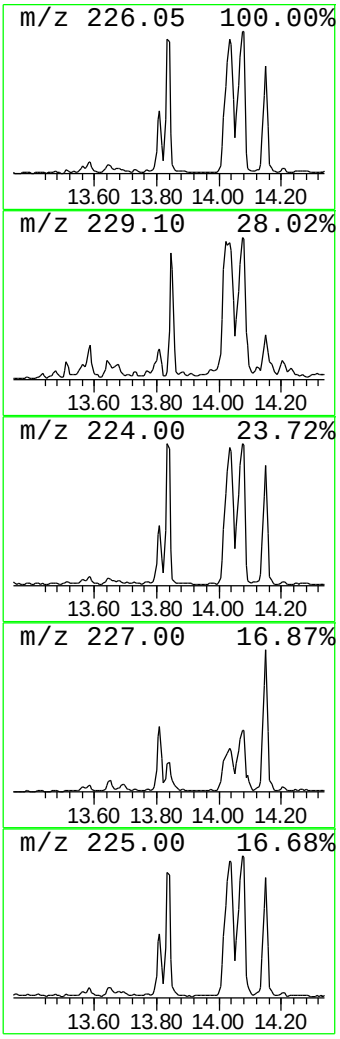
Peak Number 11 Cyclopenta[cd]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	5.26 ng	3132410	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	60
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
3	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	47
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	47
5	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	43





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ClientSampleId : 1S-G-(0-30)-COMP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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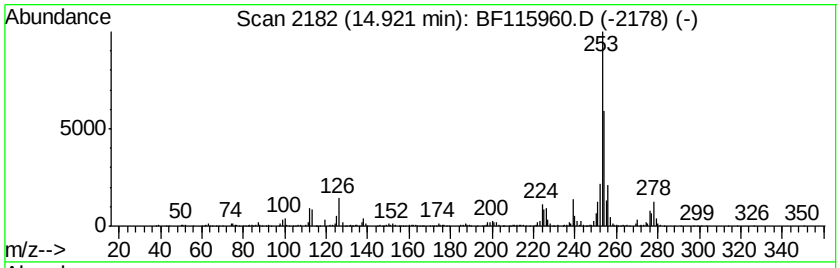
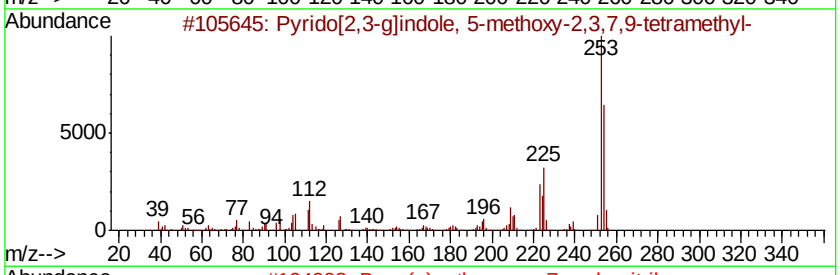
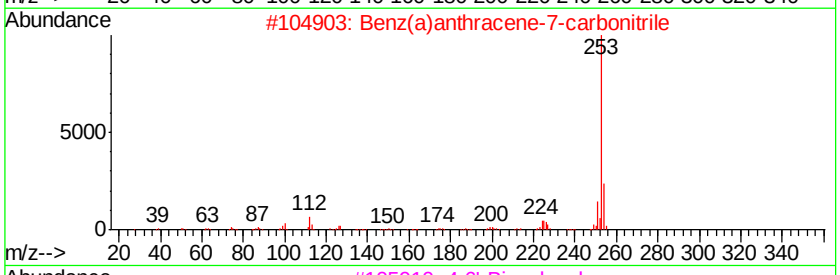
Peak Number 12 Pyrido[2,3-g]indole, 5-meth... Concentration Rank 12

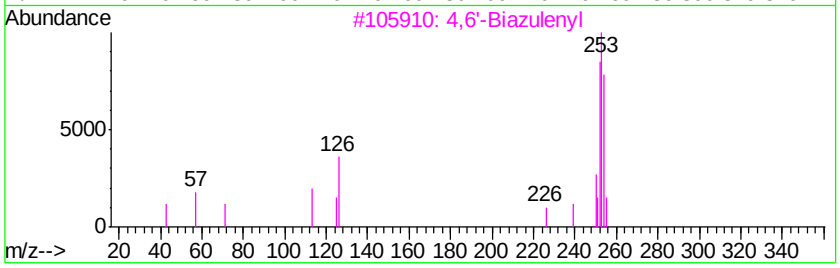
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	15.19 ng	783598	Perylene-d12	15.52

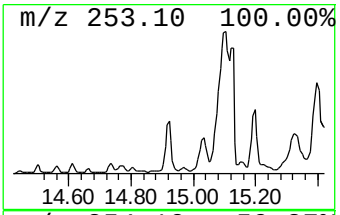
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	58
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
3	4,6'-Biazulenyl	254	C20H14	094154-49-1	53
4	4,4'-Biazulenyl	254	C20H14	094053-54-0	53
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	52

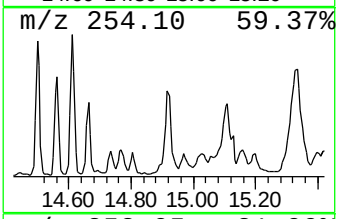


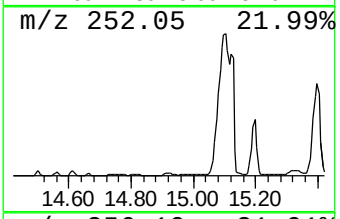


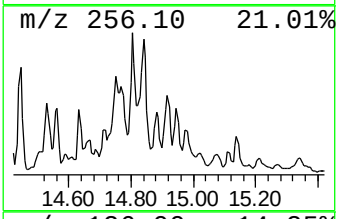


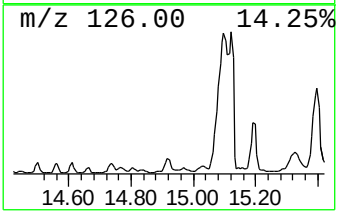












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Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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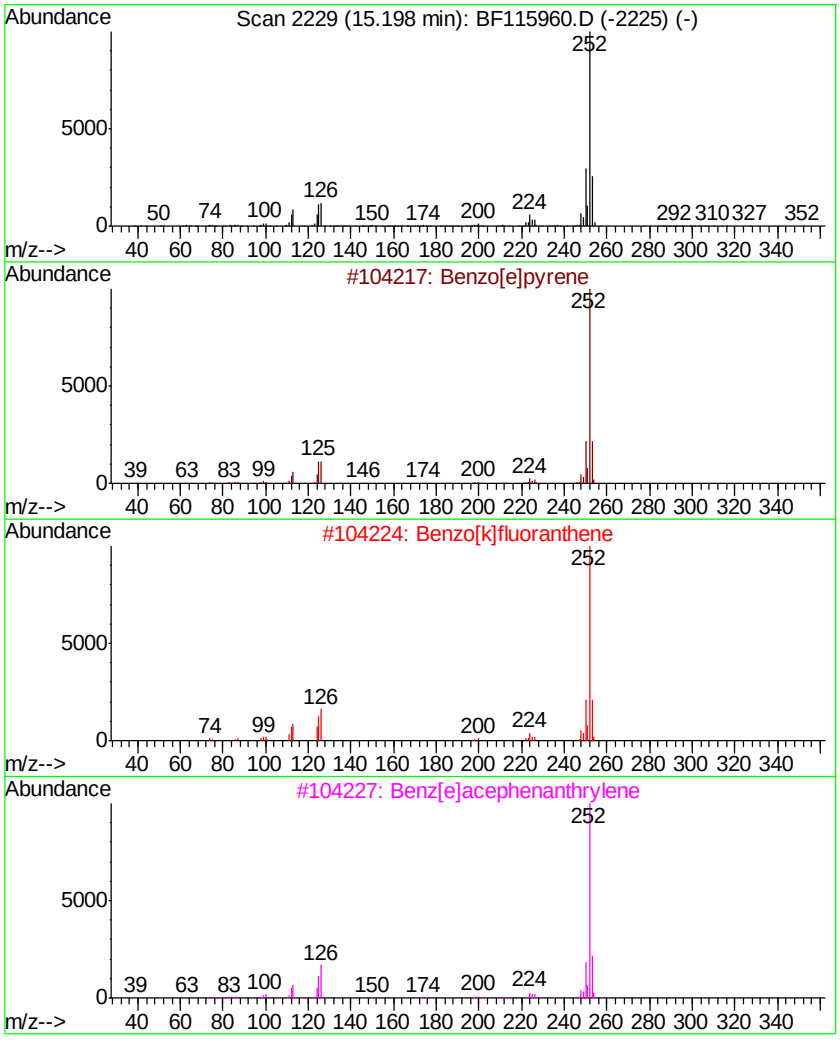
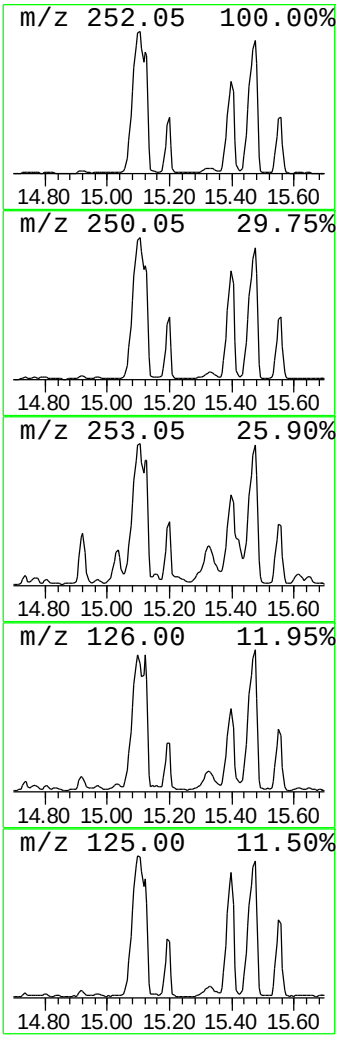
Peak Number 13 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	31.65 ng	1632310	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	90





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Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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TIC Integration Parameters: LSCINT.P

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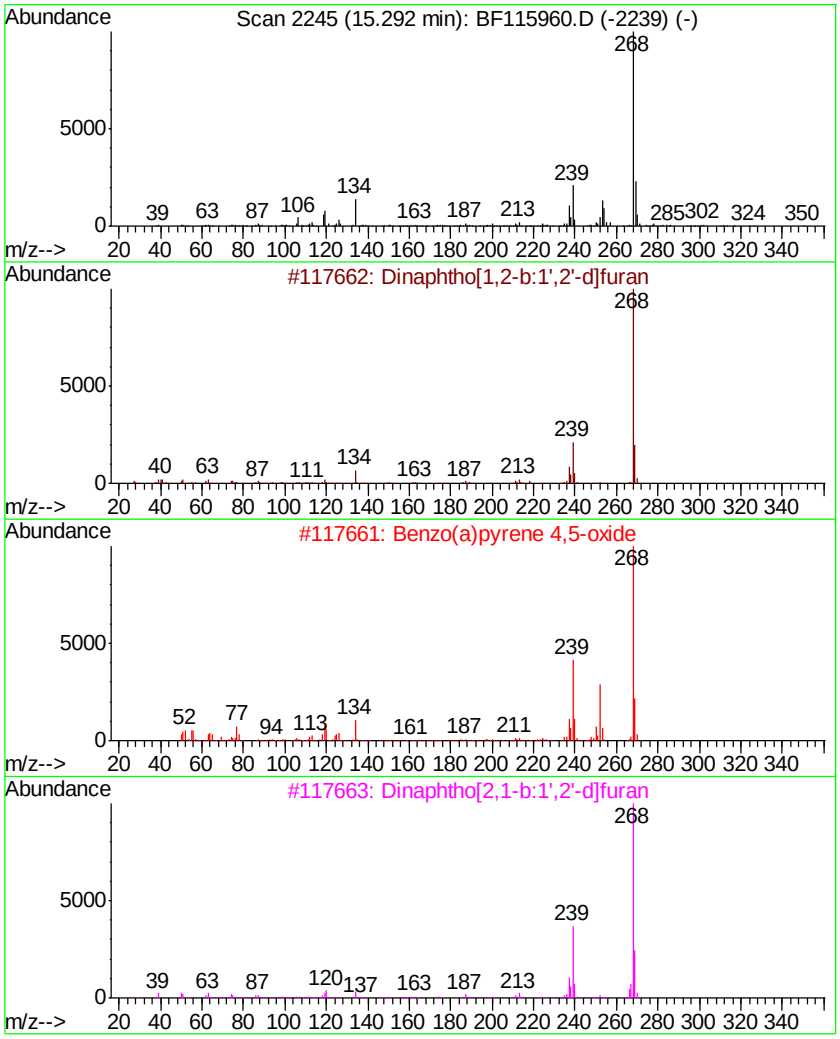
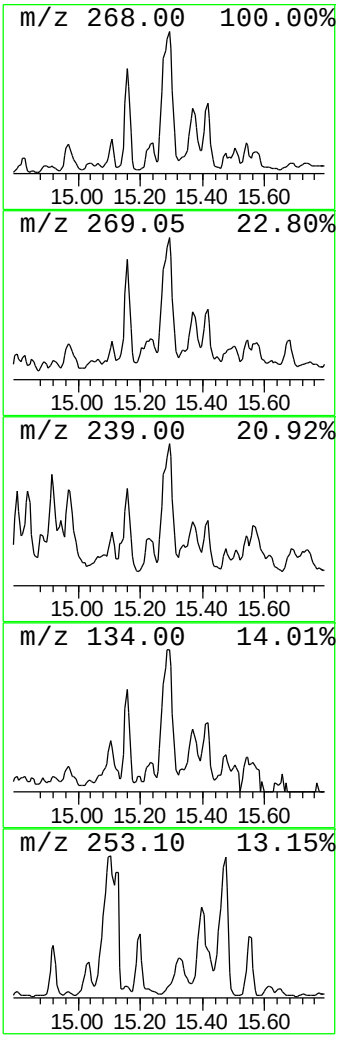
Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	20.98 ng	1081970	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	83
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	74
4	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	59
5	Coumaran-6-ol-3-one, 2-[4-methox...	268	C16H12O4	020727-61-1	53





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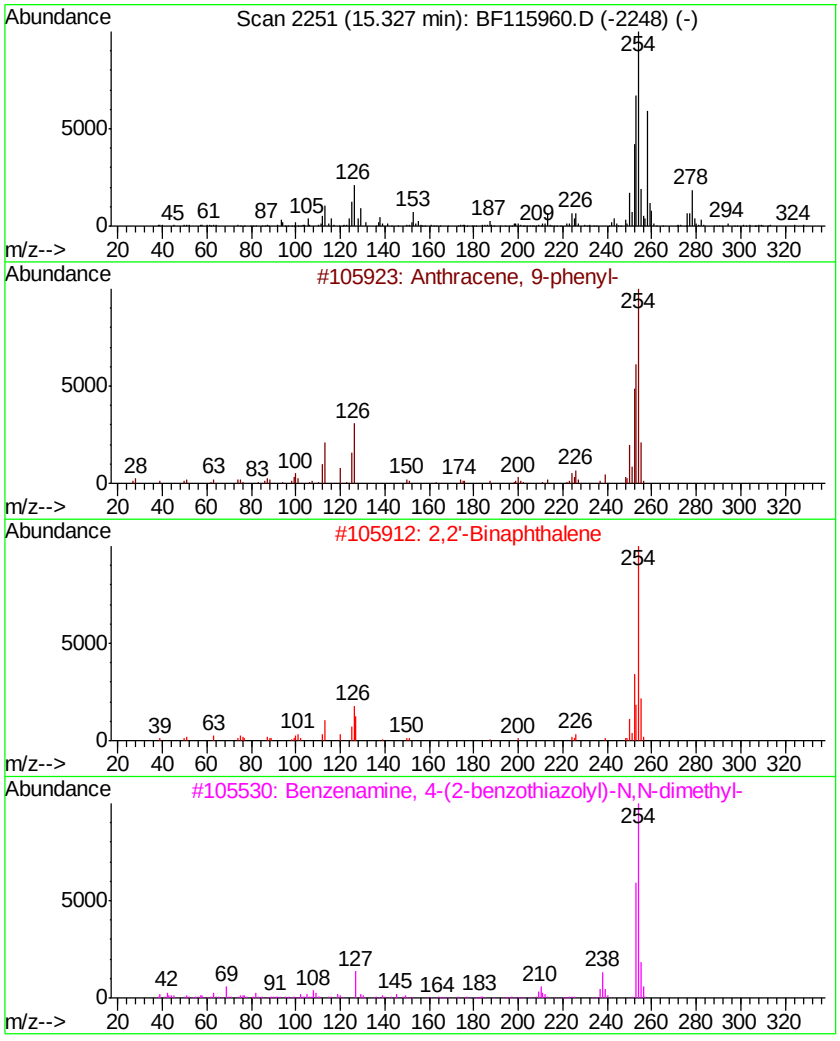
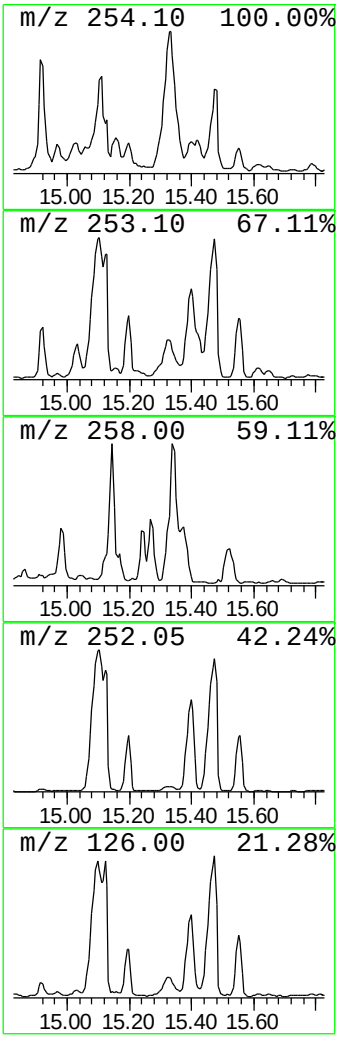
Peak Number 15 unknown15.33 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	21.91 ng	1129990	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	46
2	2,2'-Binaphthalene	254	C20H14	000612-78-2	38
3	Benzenamine, 4-(2-benzothiazolyl...	254	C15H14N2S	010205-56-8	38
4	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	35
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	35





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

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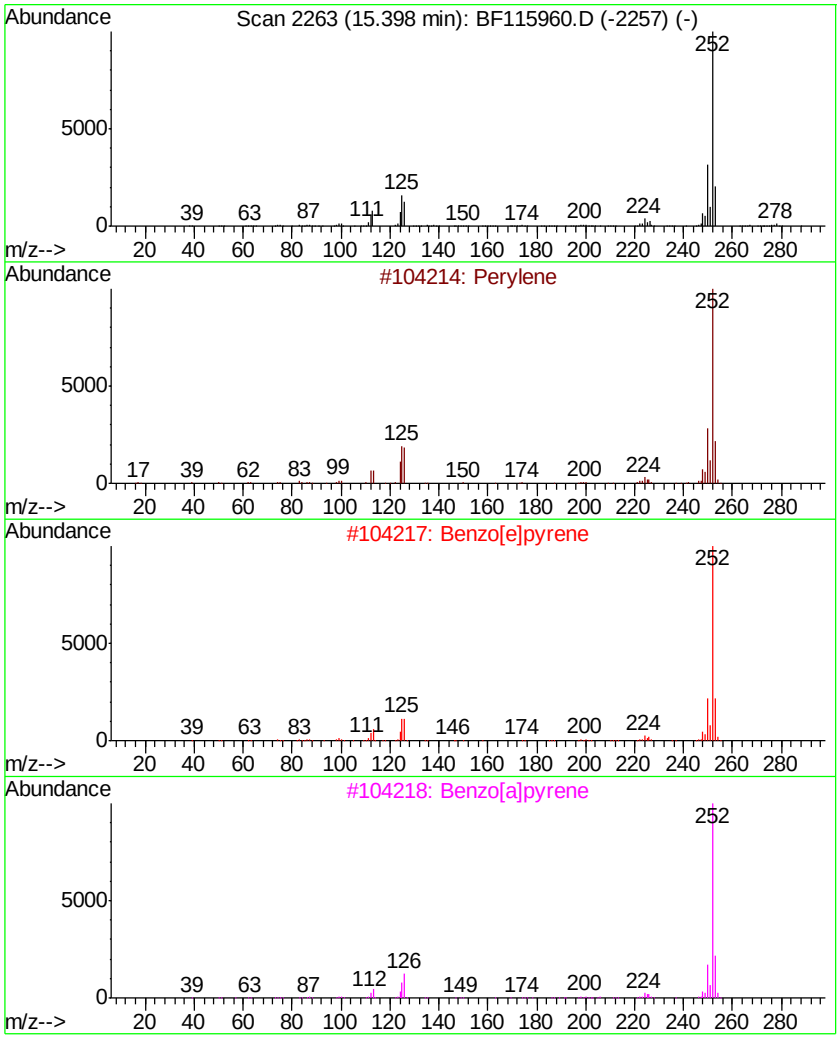
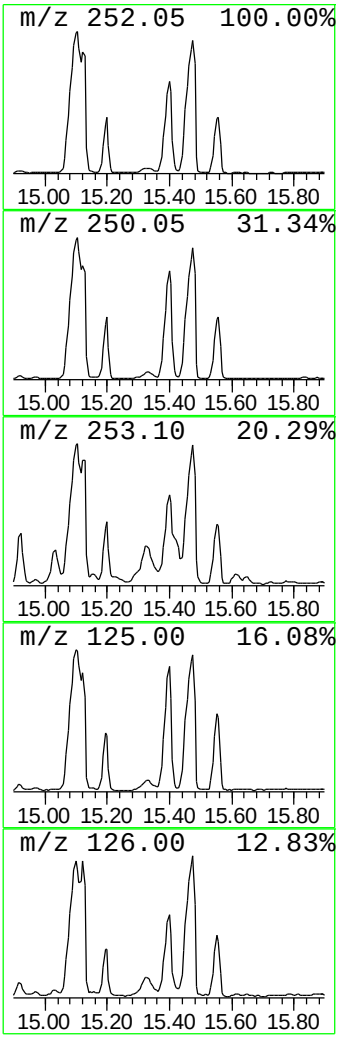
Peak Number 16 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	89.83 ng	4632720	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





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Data File : BF115960.D
Acq On : 2 Aug 2019 21:23
Operator : HP/JU
Sample : K4130-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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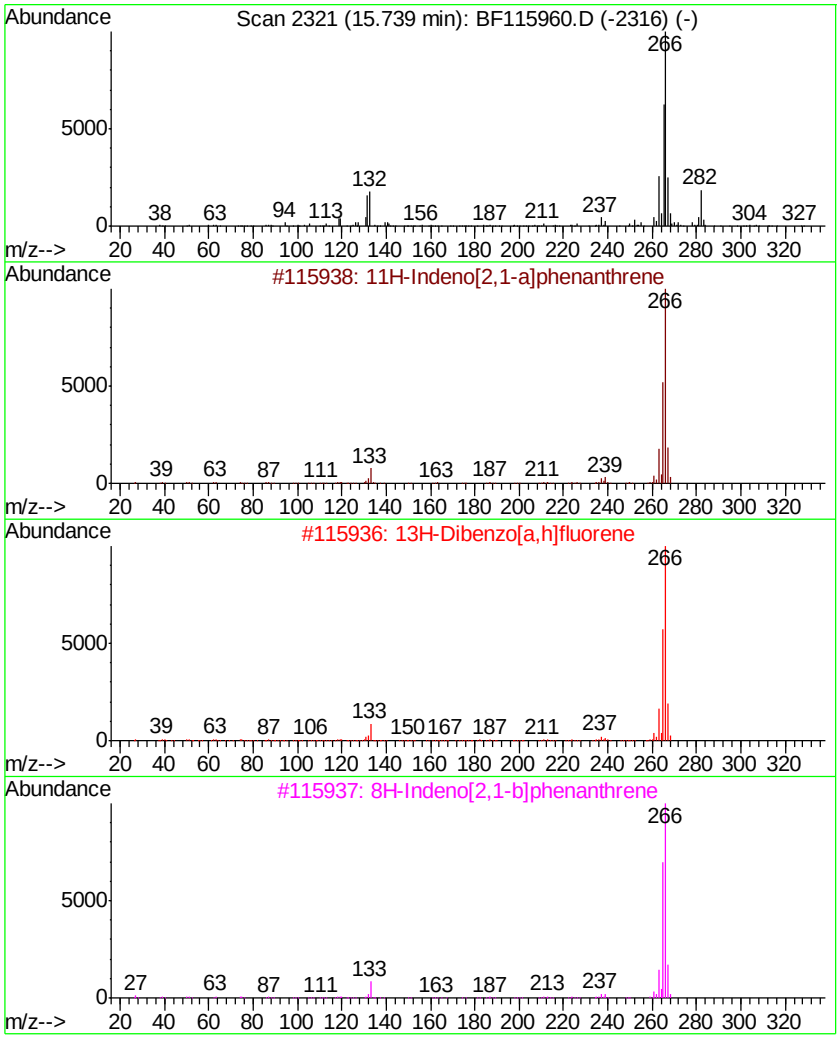
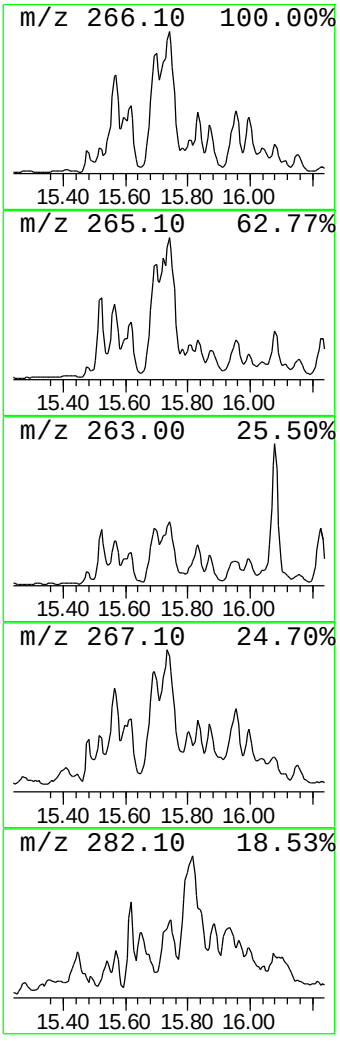
Peak Number 17 11H-Indeno[2,1-a]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	20.79 ng	1072300	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	90
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	81
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	81
4	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	59
5	4,6-Dimethyl-4'-hydroxy-2-benzyl...	266	C17H14O3	002567-73-9	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
Data File : BF115960.D
Acq On : 2 Aug 2019 21:23
Operator : HP/JU
Sample : K4130-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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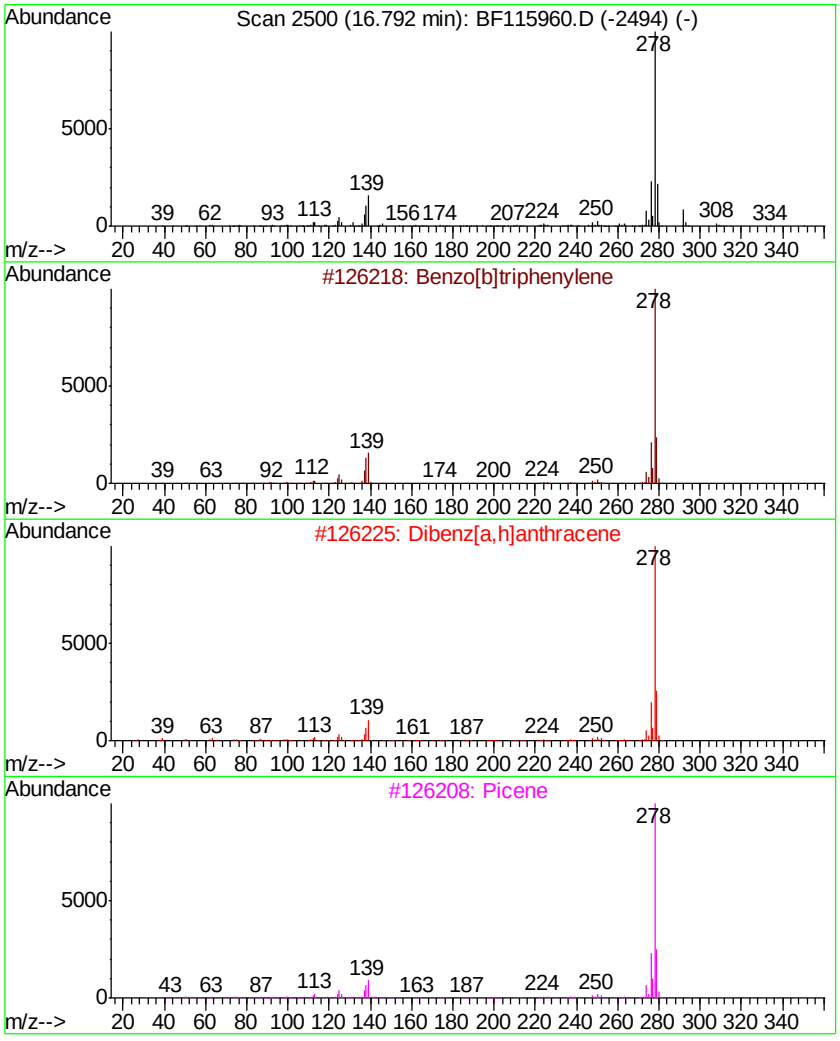
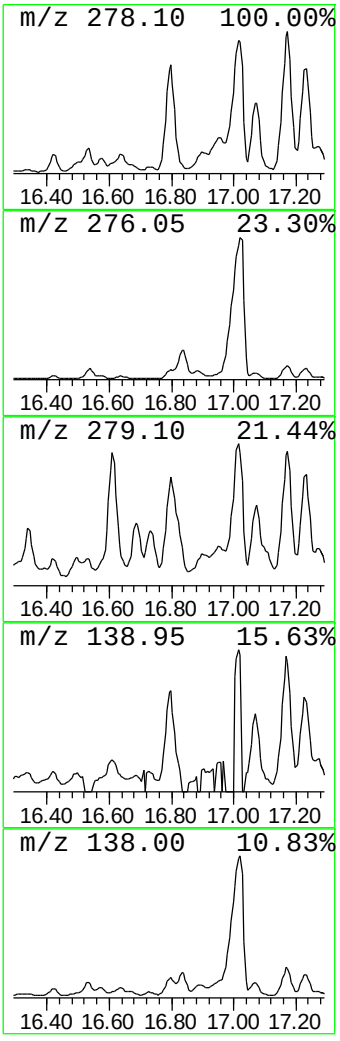
Peak Number 18 Benzo[b]triphenylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	14.79 ng	762764	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	Picene	278	C22H14	000213-46-7	94
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	90
5	Benzo[b]chrysene	278	C22H14	000214-17-5	89





Library Search Compound Report

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Data File : BF115960.D
Acq On : 2 Aug 2019 21:23
Operator : HP/JU
Sample : K4130-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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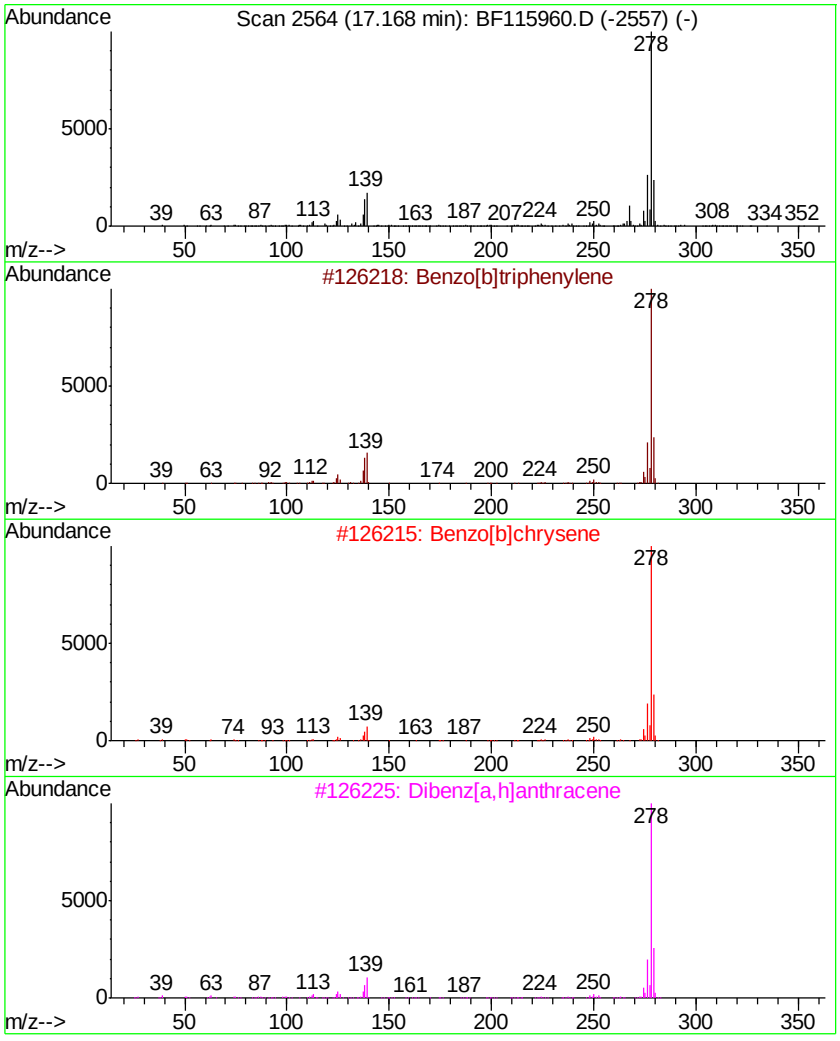
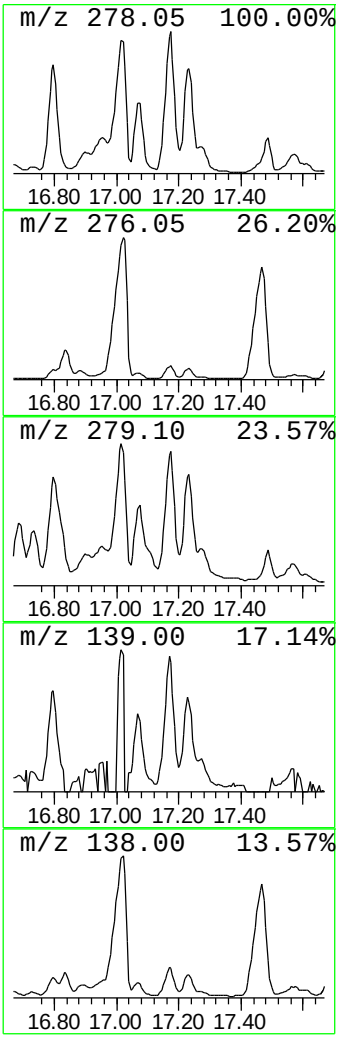
Peak Number 19 Picene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	25.96 ng	1338920	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	Benzo[b]chrysene	278	C22H14	000214-17-5	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
4	Picene	278	C22H14	000213-46-7	98
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	98





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Data File : BF115960.D
Acq On : 2 Aug 2019 21:23
Operator : HP/JU
Sample : K4130-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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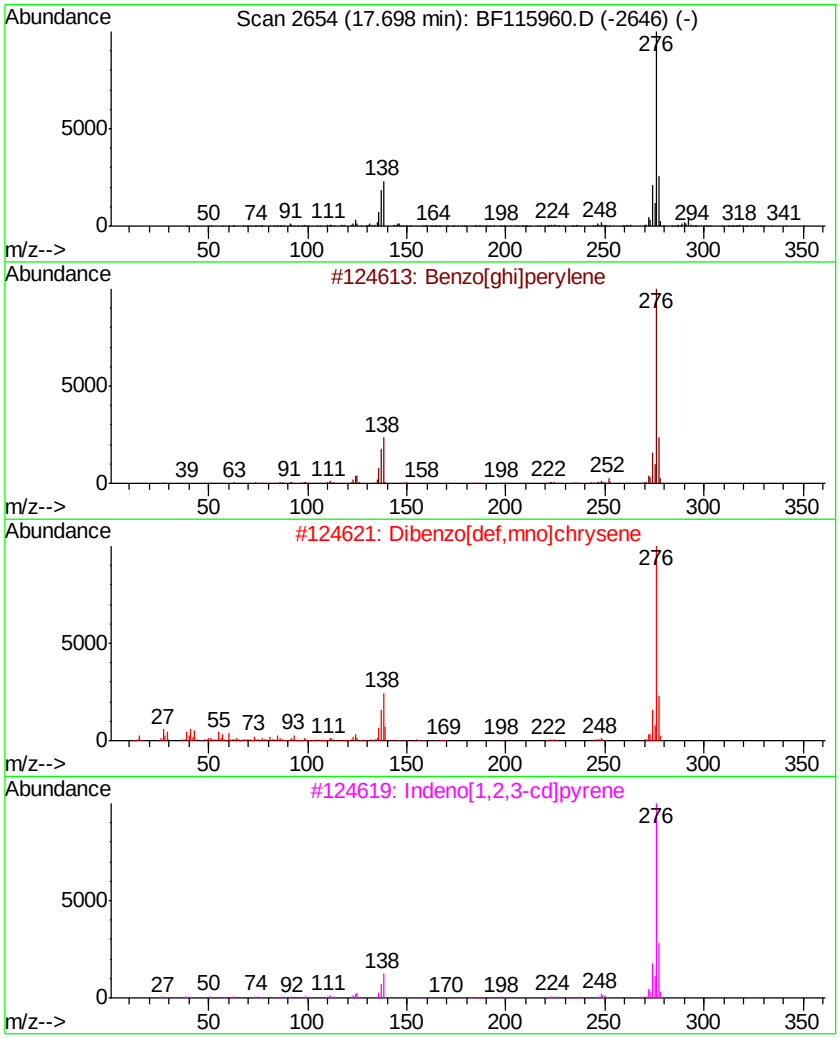
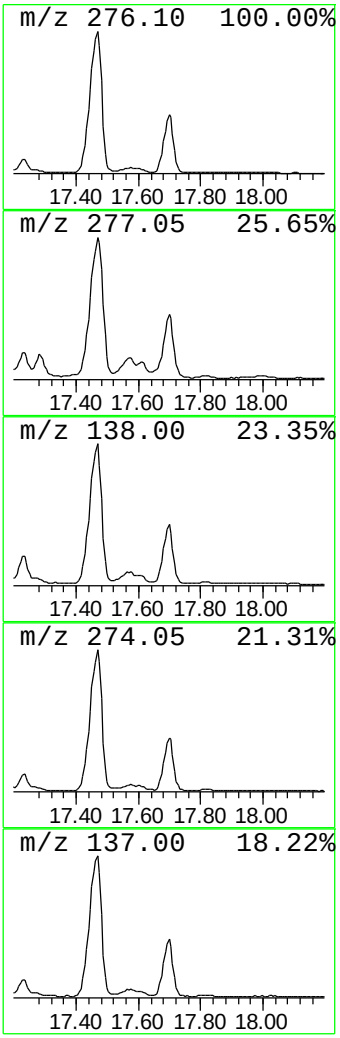
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	30.77 ng	1586800	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	98
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080219\
Data File : BF115960.D
Acq On : 2 Aug 2019 21:23
Operator : HP/JU
Sample : K4130-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-G-(0-30)-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
unknown6.62	6.62	24.9	ng	2418740	1	6.85	1943840	20.0
Naphthalene, 2,3-...	9.55	11.3	ng	827259	3	9.89	1469850	20.0
Benzene, [1-(2,4-...	10.51	12.6	ng	926918	3	9.89	1469850	20.0
unknown10.53	10.53	22.6	ng	1657980	3	9.89	1469850	20.0
Diphenylmethane	10.57	12.9	ng	950506	3	9.89	1469850	20.0
Dibenzofuran, 4-m...	10.60	22.3	ng	1634860	3	9.89	1469850	20.0
4H-Cyclopenta[def...	12.02	7.6	ng	7298000	4	11.39	19166700	20.0
11H-Benzo[a]fluorene	13.17	6.4	ng	3802260	5	14.04	11900100	20.0
Fluoranthene, 2-m...	13.24	6.7	ng	3954340	5	14.04	11900100	20.0
Cyclopenta[cd]pyrene	13.84	5.3	ng	3132410	5	14.04	11900100	20.0
Pyrido[2,3-g]indo...	14.92	15.2	ng	783598	6	15.52	1031480	20.0
Benzo[e]pyrene	15.20	31.6	ng	1632310	6	15.52	1031480	20.0
Dinaphtho[1,2-b:1...	15.29	21.0	ng	1081970	6	15.52	1031480	20.0
unknown15.33	15.33	21.9	ng	1129990	6	15.52	1031480	20.0
Perylene	15.40	89.8	ng	4632720	6	15.52	1031480	20.0
11H-Indeno[2,1-a]...	15.74	20.8	ng	1072300	6	15.52	1031480	20.0
Benzo[b]triphenylene	16.79	14.8	ng	762764	6	15.52	1031480	20.0
Picene	17.17	26.0	ng	1338920	6	15.52	1031480	20.0
Dibenzo[def,mno]c...	17.70	30.8	ng	1586800	6	15.52	1031480	20.0