LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117611.D
Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

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-BF101819.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	4.916	478	481	490	rBV2	7820	12981	2.27%	0.192%
2	5.369	555	558	577	rBV	46162	97269	17.01%	1.440%
3	5.551	587	589	600	rVB3	7691	11682	2.04%	0.173%
4	6.398	730	733	749	rBV	52375	121685	21.28%	1.802%
5	6.510	749	752	767	rVB	98540	143757	25.14%	2.129%
6	6.728	786	789	803	rBV	210151	207845	36.34%	3.078%
7	6.887	812	816	831	rVB	88078	104263	18.23%	1.544%
8	7.304	884	887	897	rBV	30314	58181	10.17%	0.862%
9	8.010	1003	1007	1028	rBV	237819	280571	49.06%	4.155%
10	8.734	1127	1130	1136	rBB	4482	6129	1.07%	0.091%
11	9.081	1186	1189	1201	rBV	127188	140742	24.61%	2.084%
12	9.481	1255	1257	1265	rVB2	18195	20503	3.58%	0.304%
13	9.622	1278	1281	1290	rBV	71971	79996	13.99%	1.185%
14	9.763	1301	1305	1318	rBB	283129	286054	50.01%	4.236%
15	10.322	1395	1400	1404	rVB2	6861	10164	1.78%	0.151%
16	10.422	1411	1417	1422	rBV3	4138	7272	1.27%	0.108%
17	10.569	1433	1442	1451	rVB3	72125	101788	17.80%	1.507%
18	10.675	1454	1460	1462	rVV3	10761	15549	2.72%	0.230%
19	10.692	1462	1463	1467	rVB	6797	6146	1.07%	0.091%
20	10.875	1487	1494	1495	rBV3	4458	6980	1.22%	0.103%
21	10.986	1511	1513	1515	rVV	6969	6216	1.09%	0.092%
22	11.010	1515	1517	1523	rVV3	7535	11269	1.97%	0.167%
23	11.069	1523	1527	1530	rVV2	6085	9670	1.69%	0.143%
24	11.104	1530	1533	1536	rVV3	9447	11343	1.98%	0.168%
25	11.151	1536	1541	1545	rVB2	5307	9064	1.58%	0.134%
26	11.251	1554	1558	1560	rBV	275822	251214	43.92%	3.720%
27	11.275	1560	1562	1568	rVV	120747	111007	19.41%	1.644%
28	11.328	1568	1571	1578	rVV	68336	76761	13.42%	1.137%
29	11.375	1578	1579	1584	rVB3	5413	6265	1.10%	0.093%
30	11.498	1596	1600	1603	rBV3	18237	26467	4.63%	0.392%
31	11.533	1604	1606	1609	rVB2	12130	10165	1.78%	0.151%
32	11.751	1640	1643	1646	rBV	26295	21881	3.83%	0.324%
33	11.780	1646	1648	1654	rVV2	39998	40385	7.06%	0.598%
34	11.833	1654	1657	1659	rVV	18011	18518	3.24%	0.274%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117611.D
Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

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-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.863	1659	1662	1665	rVV	43905	52423	9.17%	0.776%
36	11.886	1665	1666	1669	rVV	19896	13455	2.35%	0.199%
37	11.945	1672	1676	1678	rBV3	8029	8716	1.52%	0.129%
38	12.045	1687	1693	1697	rBV2	21282	24353	4.26%	0.361%
39	12.092	1697	1701	1703	rVV3	23347	24294	4.25%	0.360%
40	12.192	1714	1718	1721	rBV5	10052	12933	2.26%	0.192%
41	12.227	1721	1724	1726	rVV	16584	12541	2.19%	0.186%
42	12.251	1726	1728	1733	rVB2	10995	10086	1.76%	0.149%
43	12.298	1733	1736	1739	rBV	37085	39510	6.91%	0.585%
44	12.339	1739	1743	1745	rVV4	18315	25965	4.54%	0.384%
45	12.357	1745	1746	1749	rVV2	11422	10344	1.81%	0.153%
46	12.398	1749	1753	1756	rVB2	24664	30448	5.32%	0.451%
47	12.463	1761	1764	1768	rBV	397269	374785	65.53%	5.550%
48	12.504	1769	1771	1773	rVV3	10851	8688	1.52%	0.129%
49	12.533	1773	1776	1778	rVB3	13443	12892	2.25%	0.191%
50	12.563	1778	1781	1784	rBV	39139	40492	7.08%	0.600%
51	12.616	1787	1790	1792	rBV2	29028	27610	4.83%	0.409%
52	12.639	1792	1794	1797	rVV3	10858	9424	1.65%	0.140%
53	12.692	1797	1803	1808	rVV2	347418	391220	68.40%	5.793%
54	12.745	1810	1812	1817	rVB2	25259	28861	5.05%	0.427%
55	12.827	1821	1826	1829	rBV2	176254	163373	28.56%	2.419%
56	12.863	1829	1832	1836	rVB3	23412	30645	5.36%	0.454%
57	12.910	1836	1840	1846	rBV3	36698	71522	12.51%	1.059%
58	12.963	1847	1849	1851	rVB3	9634	7286	1.27%	0.108%
59	12.998	1851	1855	1857	rBV3	33417	45425	7.94%	0.673%
60	13.022	1857	1859	1862	rVB	49508	50189	8.78%	0.743%
61	13.063	1862	1866	1868	rBV4	10780	15780	2.76%	0.234%
62	13.086	1868	1870	1873	rBV	25418	24232	4.24%	0.359%
63	13.127	1873	1877	1881	rBV2	42900	55646	9.73%	0.824%
64	13.186	1884	1887	1890	rBV4	10362	11532	2.02%	0.171%
65	13.222	1890	1893	1896	rBV	29592	27956	4.89%	0.414%
66	13.251	1896	1898	1901	rBV2	24352	23946	4.19%	0.355%
67	13.327	1908	1911	1915	rBV6	8438	13315	2.33%	0.197%
68	13.398	1920	1923	1925	rBV3	14078	14641	2.56%	0.217%
69	13.445	1930	1931	1934	rVV3	10814	9453	1.65%	0.140%
70	13.498	1937	1940	1944	rBV2	82476	87990	15.38%	1.303%
71	13.545	1944	1948	1953	rVB	52468	64445	11.27%	0.954%

LSC Area Percent Report

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Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

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-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.592	1955	1956	1960	rBV4	10630	10164	1.78%	0.151%
73	13.645	1960	1965	1967	rBV2	47792	61535	10.76%	0.911%
74	13.680	1967	1971	1976	rVV3	71031	125983	22.03%	1.866%
75	13.757	1980	1984	1989	rVB2	58812	79256	13.86%	1.174%
76	13.816	1989	1994	1997	rBV3	10162	18303	3.20%	0.271%
77	13.857	1998	2001	2003	rBV	53315	51293	8.97%	0.760%
78	13.892	2003	2007	2011	rVV3	313702	571937	100.00%	8.469%
79	13.921	2011	2012	2019	rVV	190958	128656	22.49%	1.905%
80	14.004	2023	2026	2028	rBV2	19650	17039	2.98%	0.252%
81	14.033	2028	2031	2032	rBV3	22002	23364	4.09%	0.346%
82	14.057	2033	2035	2040	rVB3	26403	37825	6.61%	0.560%
83	14.245	2065	2067	2068	rBV2	13772	9906	1.73%	0.147%
84	14.269	2068	2071	2072	rBV	54077	43986	7.69%	0.651%
85	14.339	2077	2083	2088	rVV5	41078	89975	15.73%	1.332%
86	14.410	2093	2095	2097	rVB3	14951	12900	2.26%	0.191%
87	14.774	2154	2157	2163	rVB4	40485	58169	10.17%	0.861%
88	14.921	2178	2182	2185	rBV	175354	247682	43.31%	3.668%
89	14.951	2185	2187	2192	rVB2	134086	171338	29.96%	2.537%
90	15.027	2197	2200	2204	rVB	51486	59296	10.37%	0.878%
91	15.216	2228	2232	2238	rBV	80771	96511	16.87%	1.429%
92	15.274	2238	2242	2245	rVV2	97947	120288	21.03%	1.781%
93	15.333	2249	2252	2255	rVV	123288	146908	25.69%	2.175%
94	15.363	2255	2257	2263	rVB2	35558	50643	8.85%	0.750%
95	15.504	2277	2281	2283	rBV4	22681	25982	4.54%	0.385%
96	15.715	2313	2317	2321	rVB2	40982	53627	9.38%	0.794%
97	15.874	2341	2344	2348	rBV5	10497	19295	3.37%	0.286%
98	16.451	2439	2442	2447	rVB6	19683	36452	6.37%	0.540%
99	16.751	2485	2493	2501	rVB2	48698	111601	19.51%	1.653%
100	17.180	2561	2566	2574	rVB2	32744	67032	11.72%	0.993%

Sum of corrected areas: 6753144

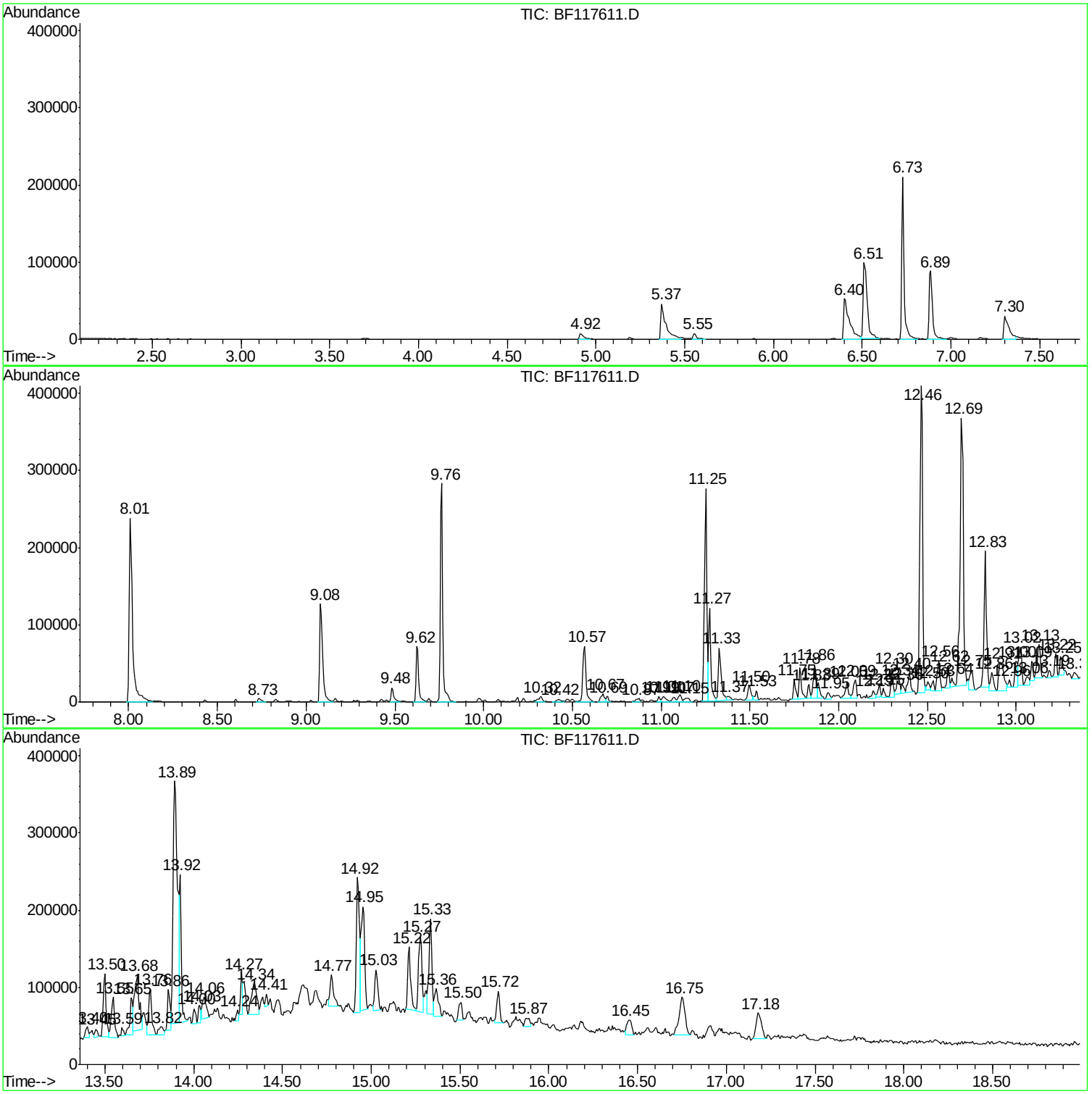
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117611.D
Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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\BF102919\
Data File : BF117611.D
Acq On : 30 Oct 2019 1:13
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Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

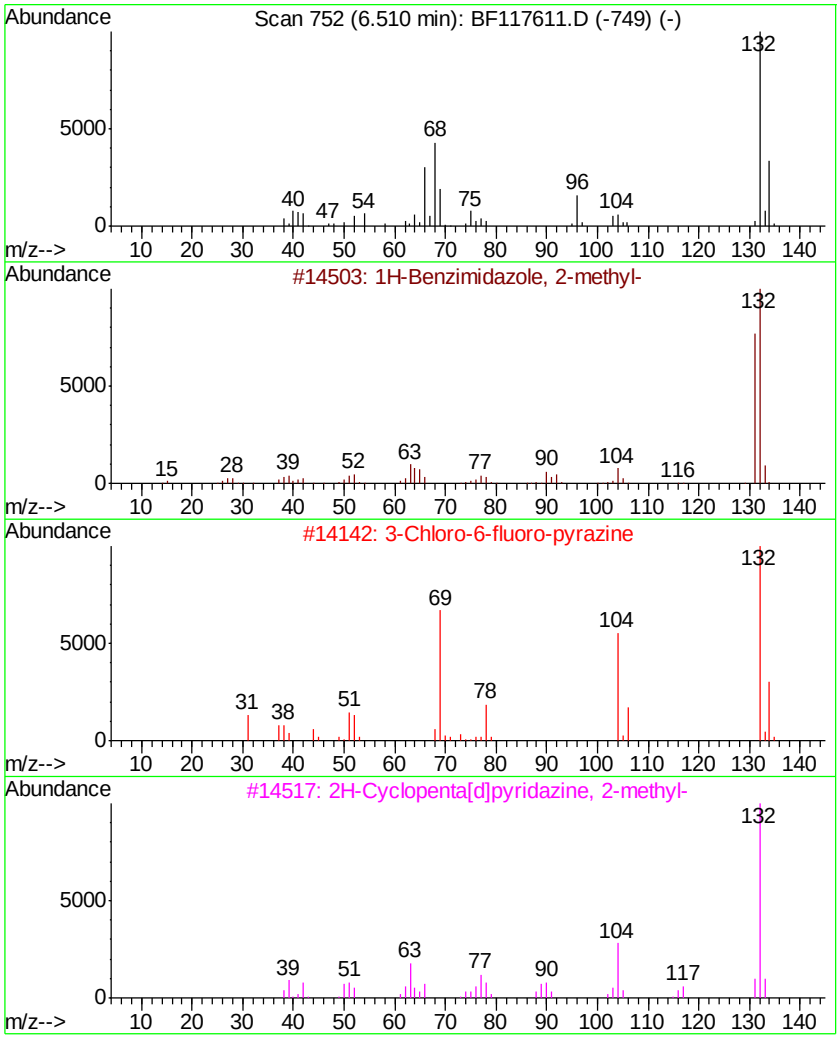
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

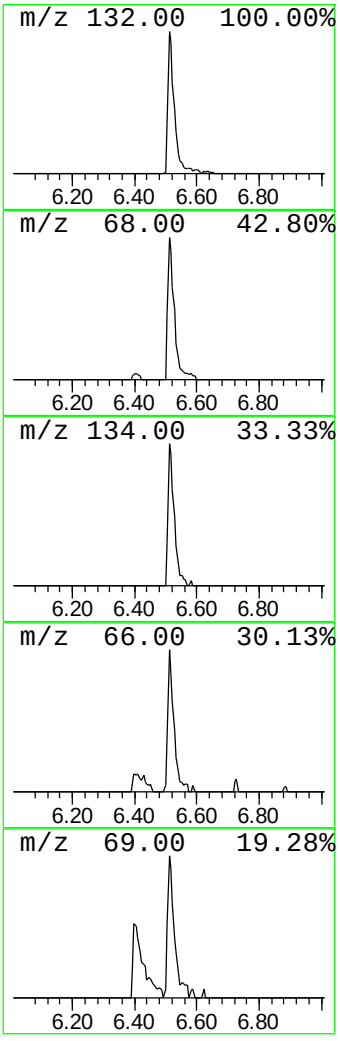
****

Peak Number 1 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	13.83 ng	143757	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117611.D
Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

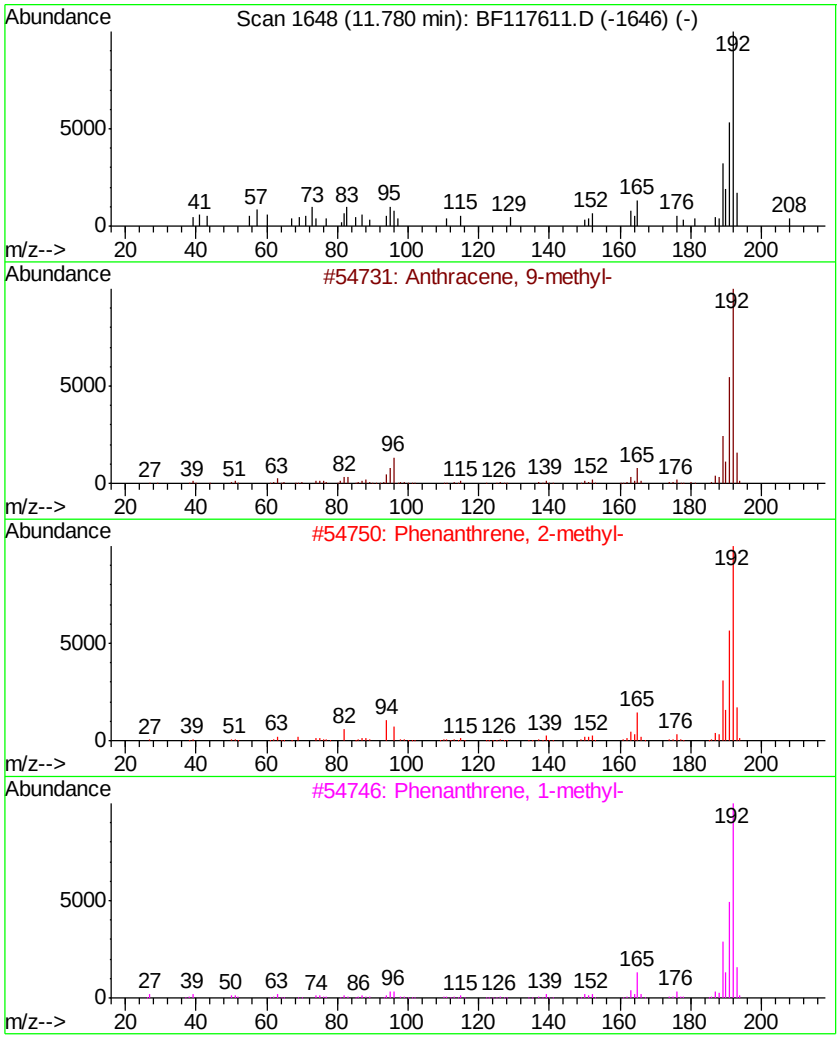
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

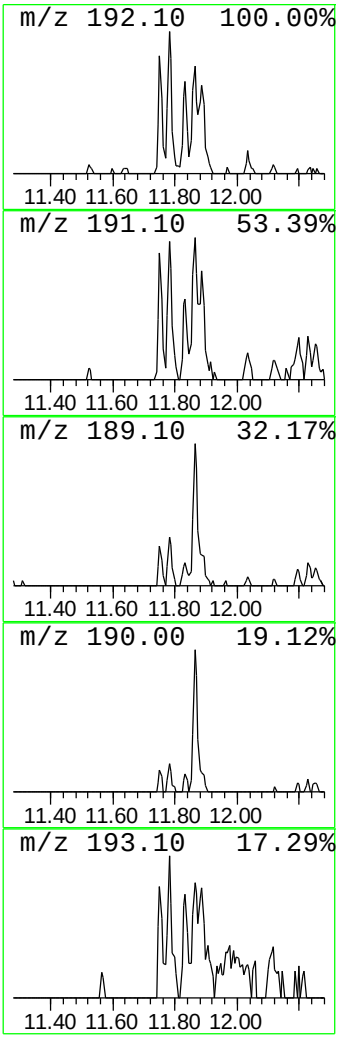
****

Peak Number 3 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	3.22 ng	40385	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117611.D
Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

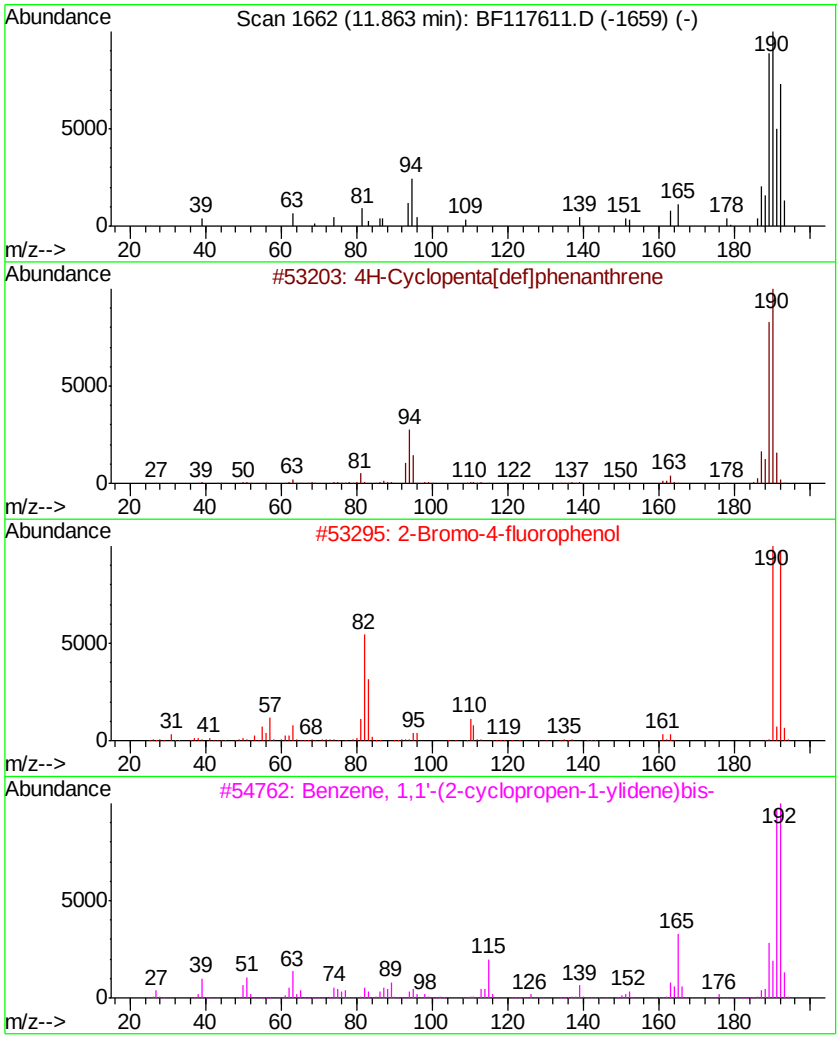
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

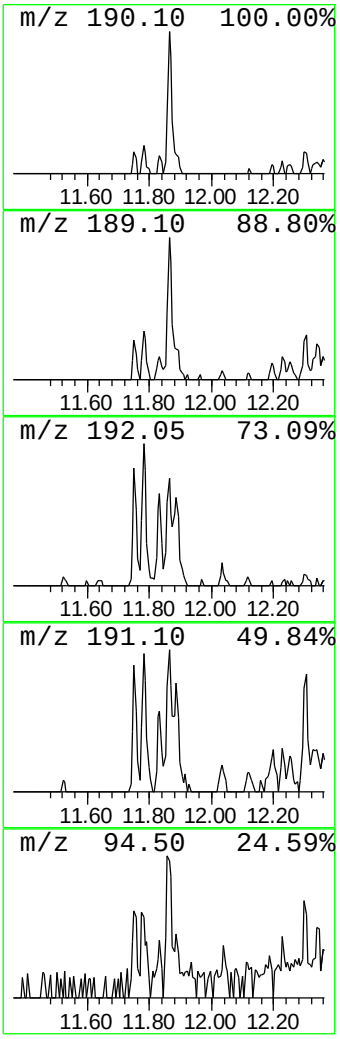
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.17 ng	52423	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	2-Bromo-4-fluorophenol	190	C6H4BrFO	000496-69-5	27
3	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	25
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117611.D
Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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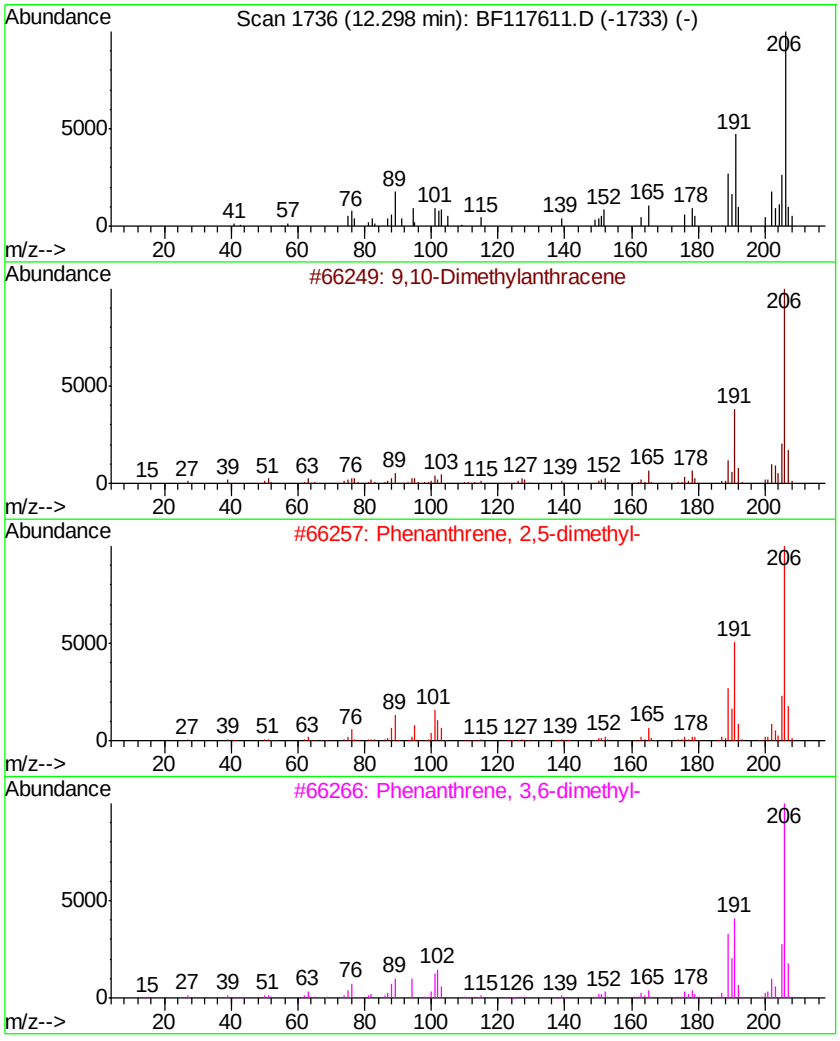
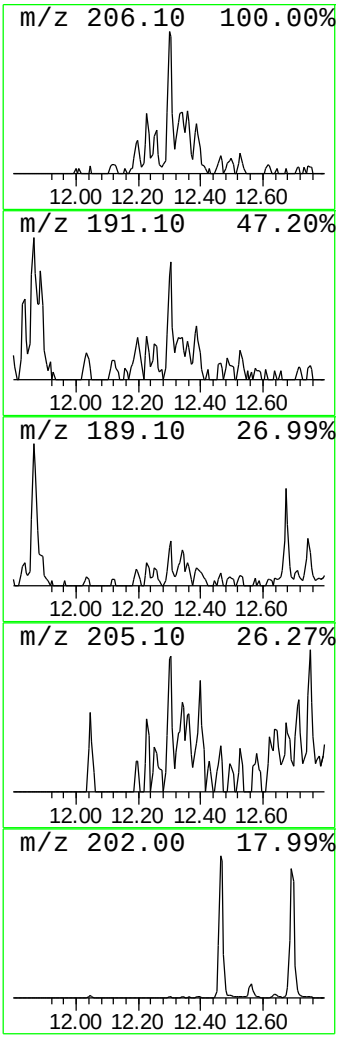
Peak Number 5 9,10-Dimethylanthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	3.15 ng	39510	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117611.D
Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

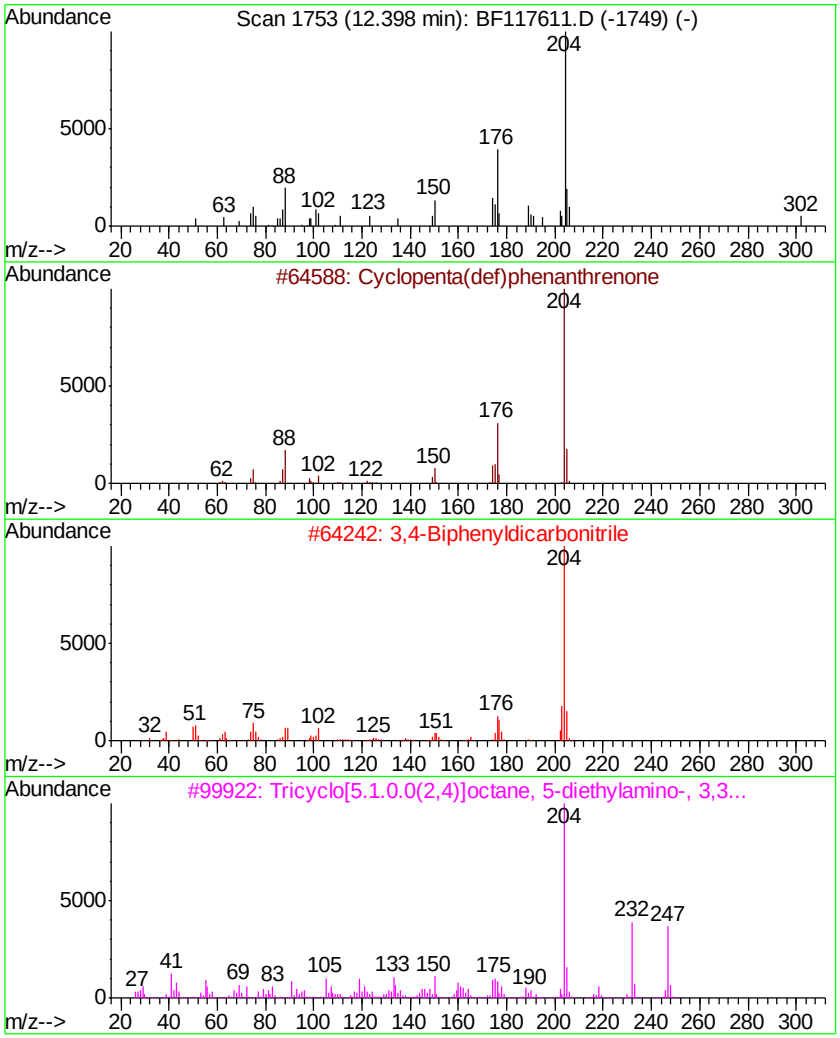
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

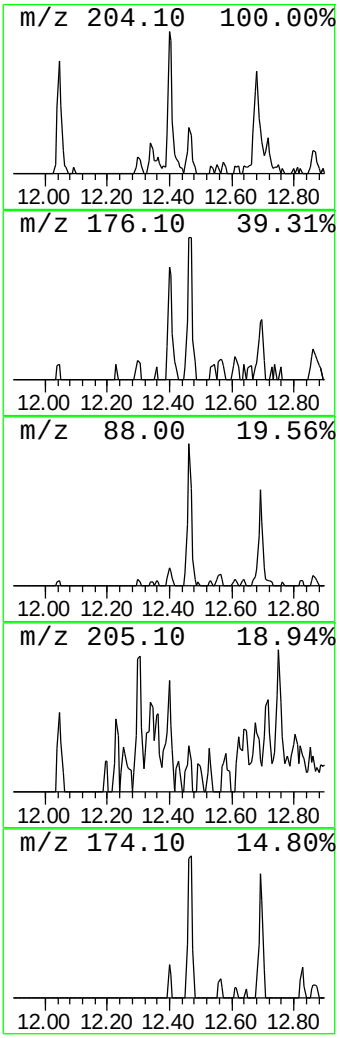
****

Peak Number 6 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	2.42 ng	30448	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	42
5	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	42





Library Search Compound Report

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Data File : BF117611.D
Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

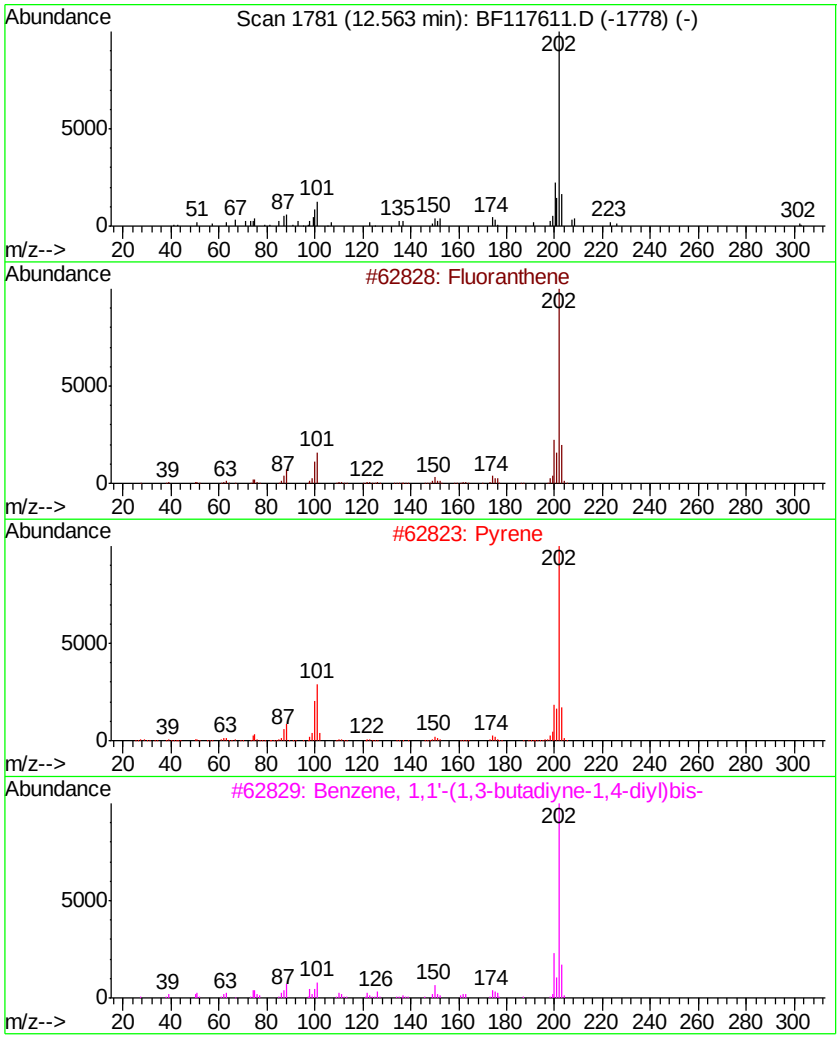
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

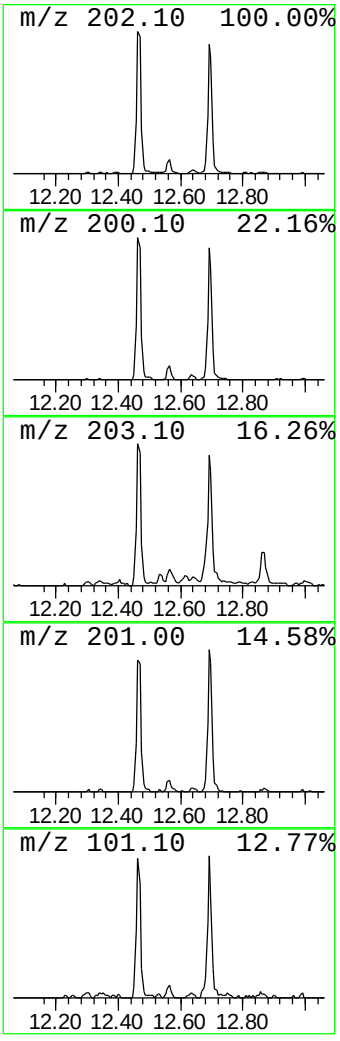
****

Peak Number 7 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	3.22 ng	40492	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	94
2	Pyrene	202	C16H10	000129-00-0	70
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	64
4	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	56
5	Pyrimidine, 2-phenyl-4-hydroxy-5...	202	C11H10N2O2	085386-21-6	40





Library Search Compound Report

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Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

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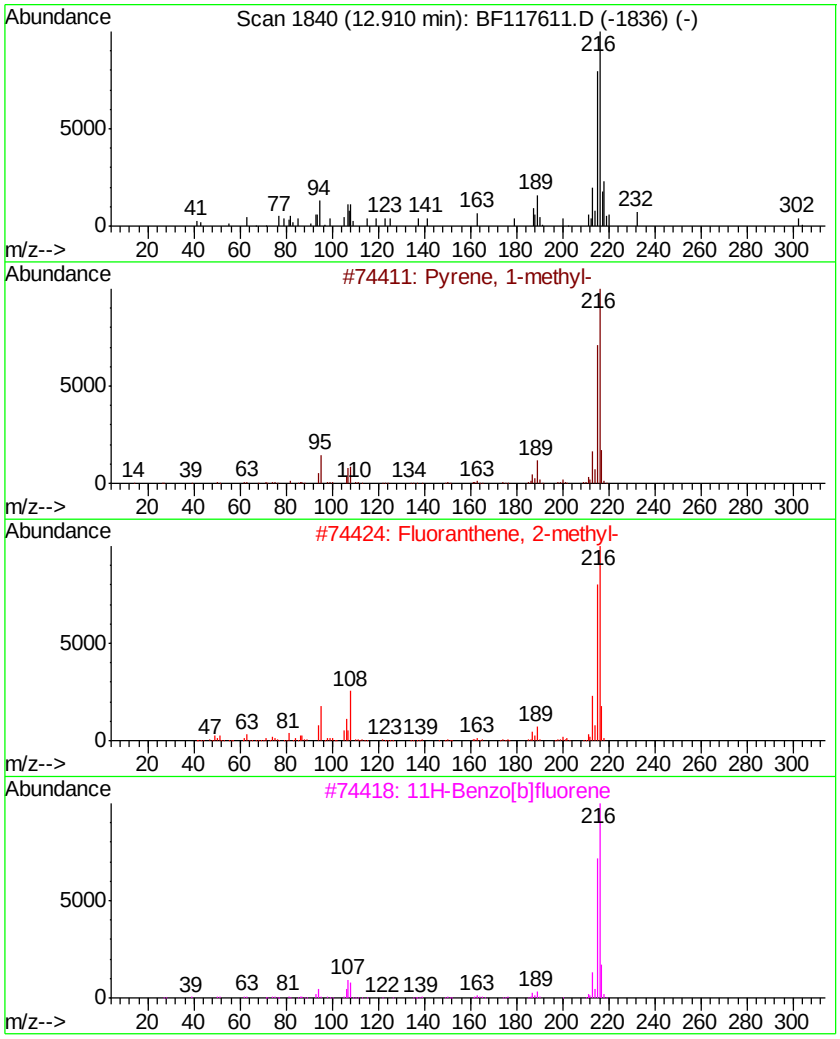
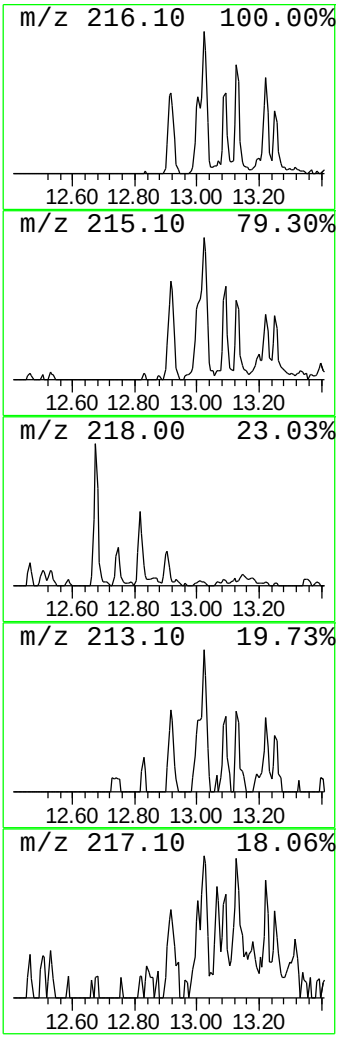
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	2.50 ng	71522	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

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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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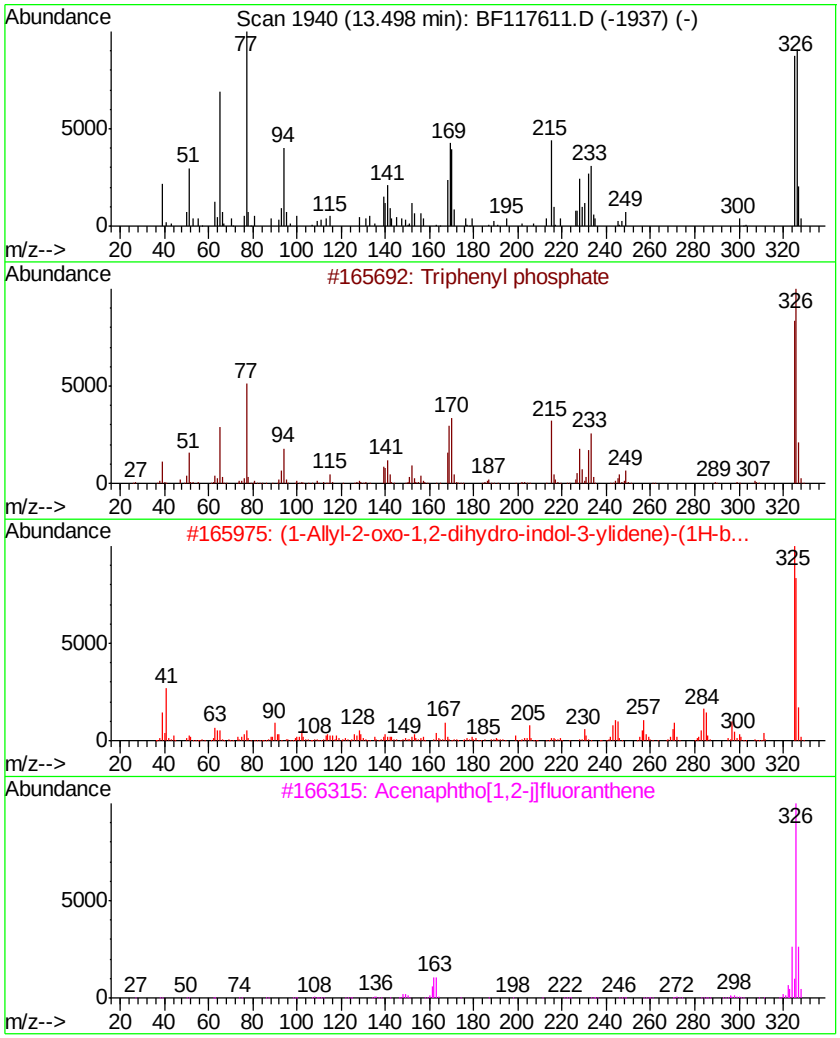
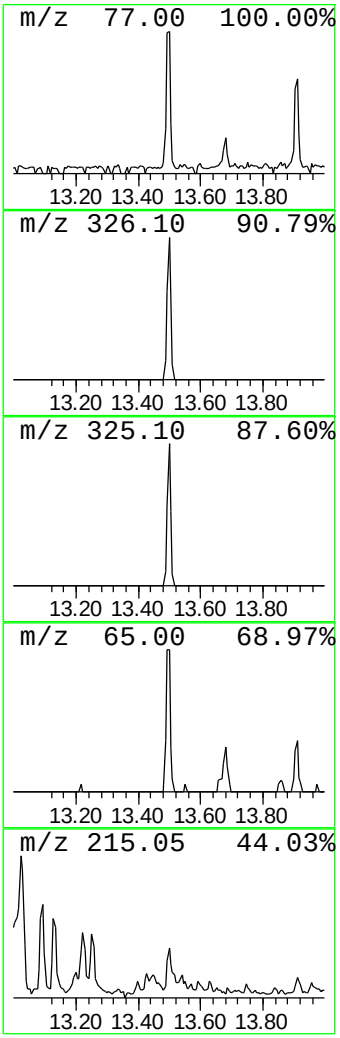
Peak Number 9 Triphenyl phosphate Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	3.08 ng	87990	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenyl phosphate	326	C18H15O4P	000115-86-6	96
2	(1-Allyl-2-oxo-1,2-dihydro-indol...	326	C20H14N4O	1000296-28-1	14
3	Acenaphtho[1,2-j]fluoranthene	326	C26H14	000193-21-5	14
4	Benzenamine, N-(9-anthracenylmet...	326	C21H14N2O2	014607-12-6	14
5	.alpha. Bicyclo-octan(1-6,2-3)cy...	326	C22H30O2	033495-95-3	11





Library Search Compound Report

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Data File : BF117611.D
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Misc :
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Instrument : BNA_F
ClientSampleId : CSA-2-1-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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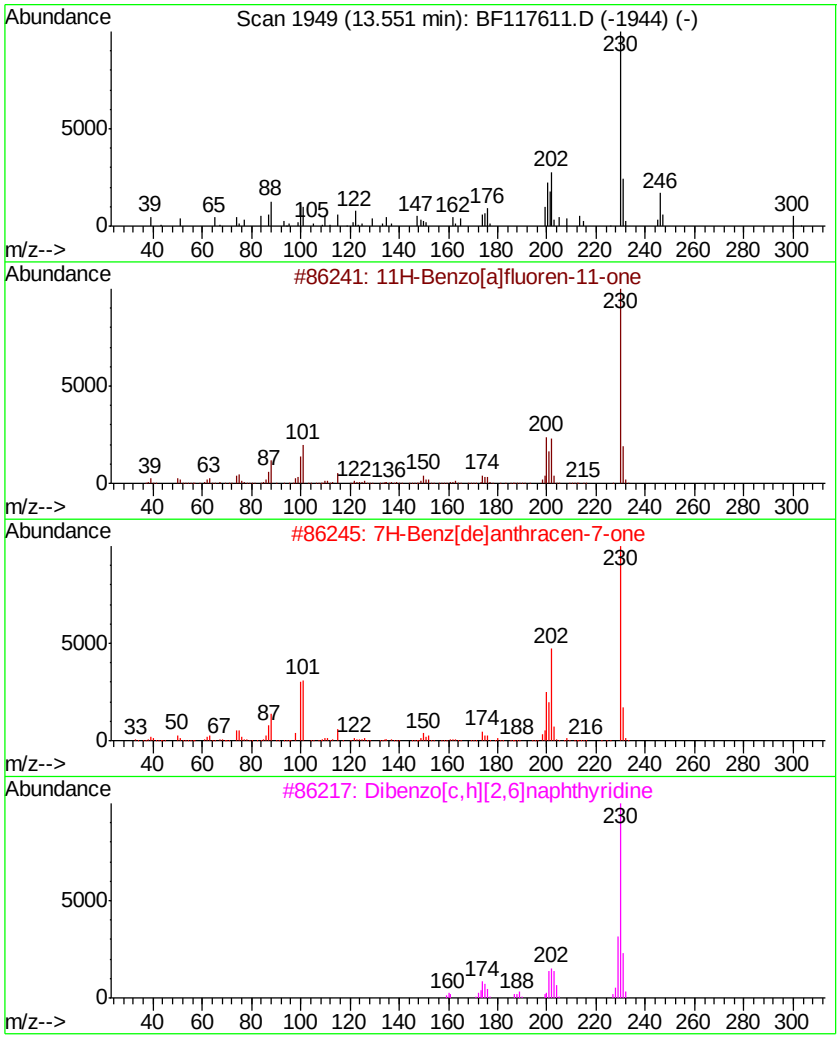
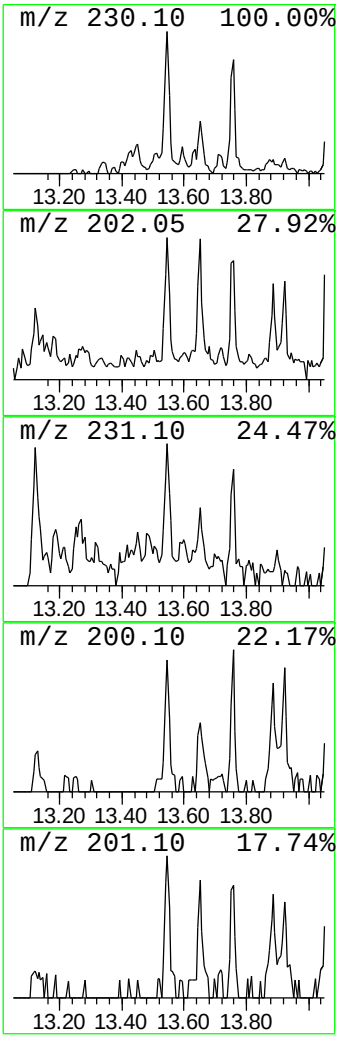
Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	2.25 ng	64445	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	53
5	o-Terphenyl	230	C18H14	000084-15-1	50





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Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

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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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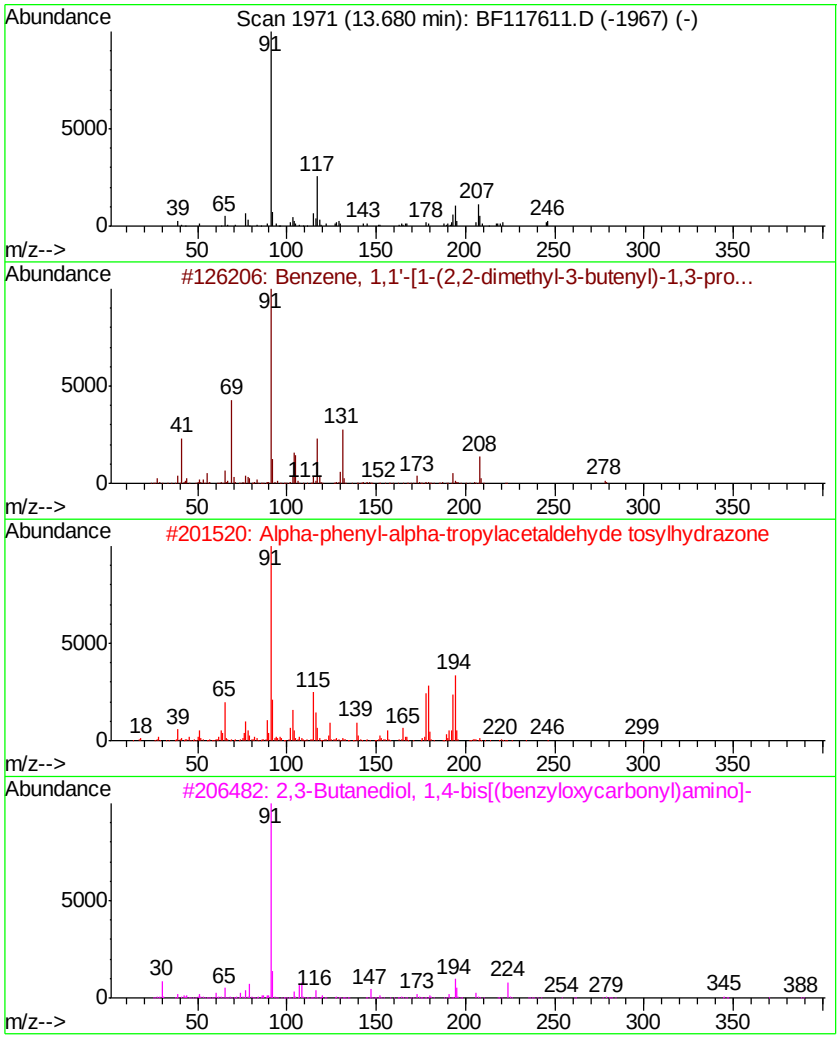
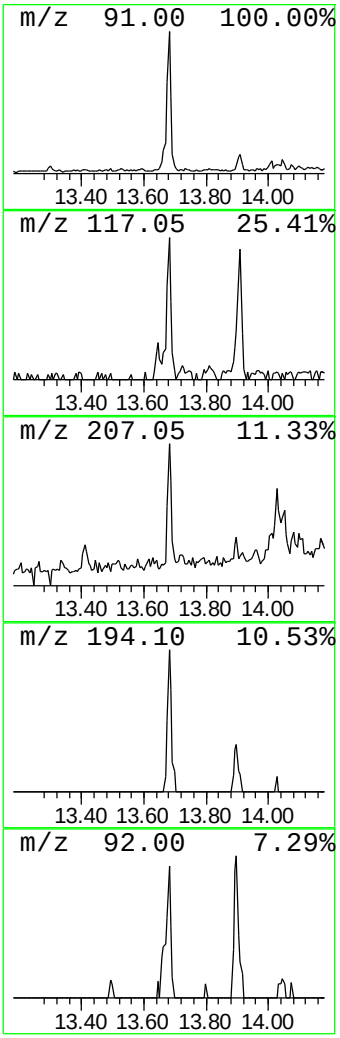
Peak Number 11 unknown13.68 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	4.41 ng	125983	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-[1-(2,2-dimethyl-3...	278	C21H26	061142-62-9	28
2	Alpha-phenyl-alpha-tropylacetald...	378	C22H22N2O2S	022532-16-7	14
3	2,3-Butanediol, 1,4-bis[(benzylo...	388	C20H24N2O6	1000163-34-1	12
4	Benzoic acid, 2-benzylsulfonyl-	276	C14H12O4S	013536-21-5	12
5	Benzene, (5-iodopentyl)-	274	C11H15I	099858-37-4	10





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Sample : K5576-18 5X
Misc :
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Instrument : BNA_F
ClientSampleId : CSA-2-1-7

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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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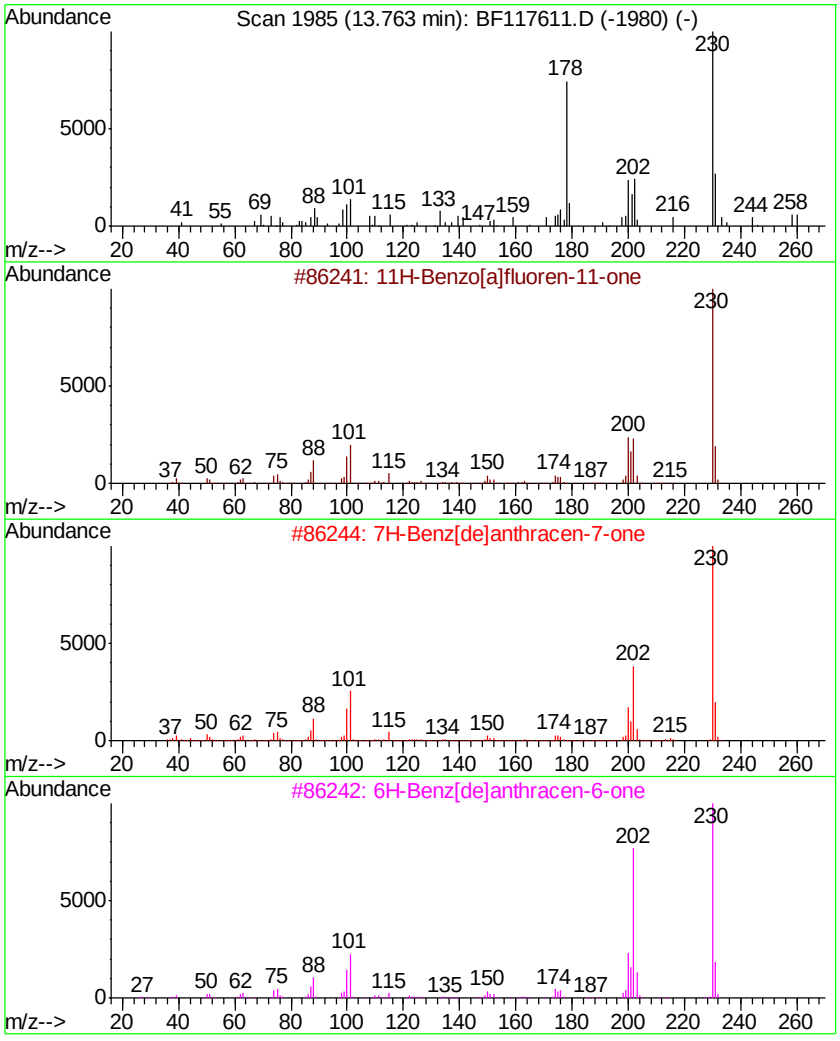
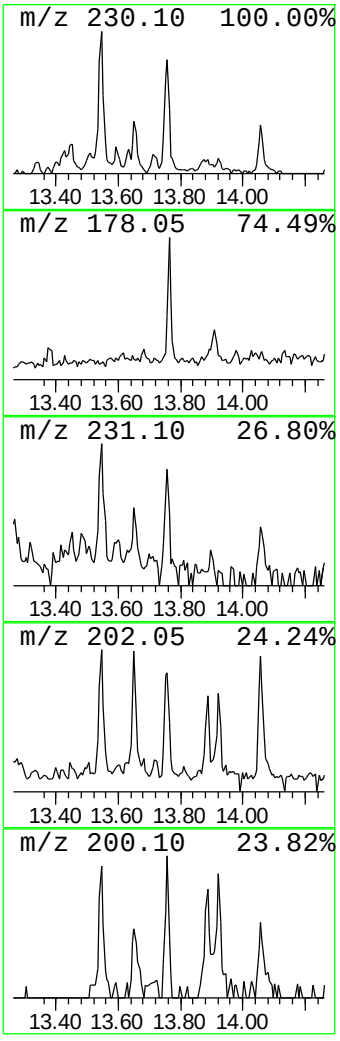
Peak Number 12 7H-Benz[de]anthracen-7-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.77 ng	79256	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	70
4	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	50





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Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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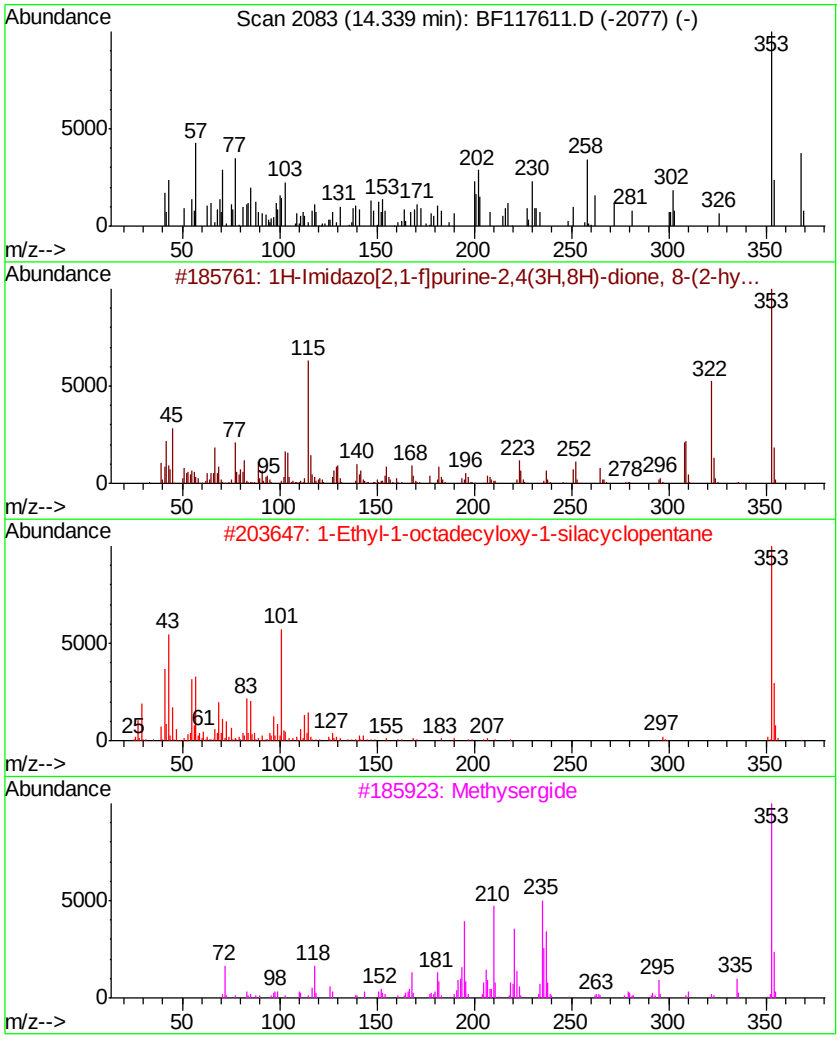
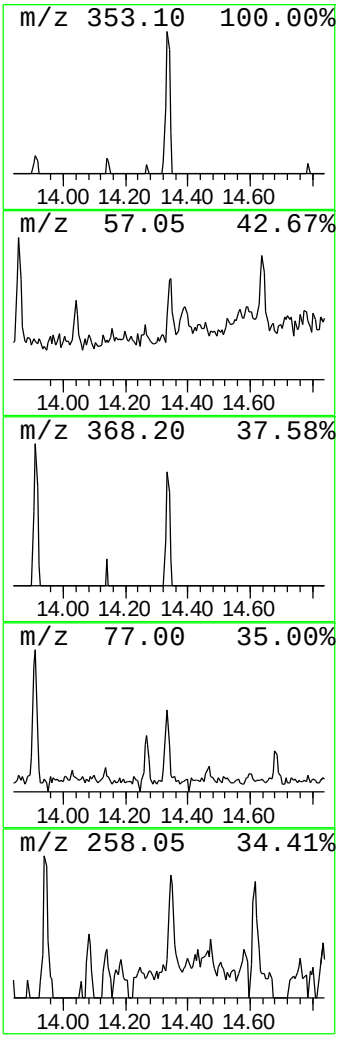
Peak Number 13 unknown14.34 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	3.15 ng	89975	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Imidazo[2,1-f]purine-2,4(3H,8...	353	C18H19N5O3	1000320-16-6	38
2	1-Ethyl-1-octadecyloxy-1-silacyc...	382	C24H50OSi	1000279-32-9	35
3	Methysergide	353	C21H27N3O2	000361-37-5	35
4	Ethyl 2-nitro-5-[2-naphthylthio]...	353	C19H15NO4S	1000252-36-7	32
5	3-(3-Methoxy-phenyl)-2-(2-p-toly...	368	C24H20N2O2	1000295-51-9	32





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Sample : K5576-18 5X
Misc :
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Instrument : BNA_F
ClientSampleId : CSA-2-1-7

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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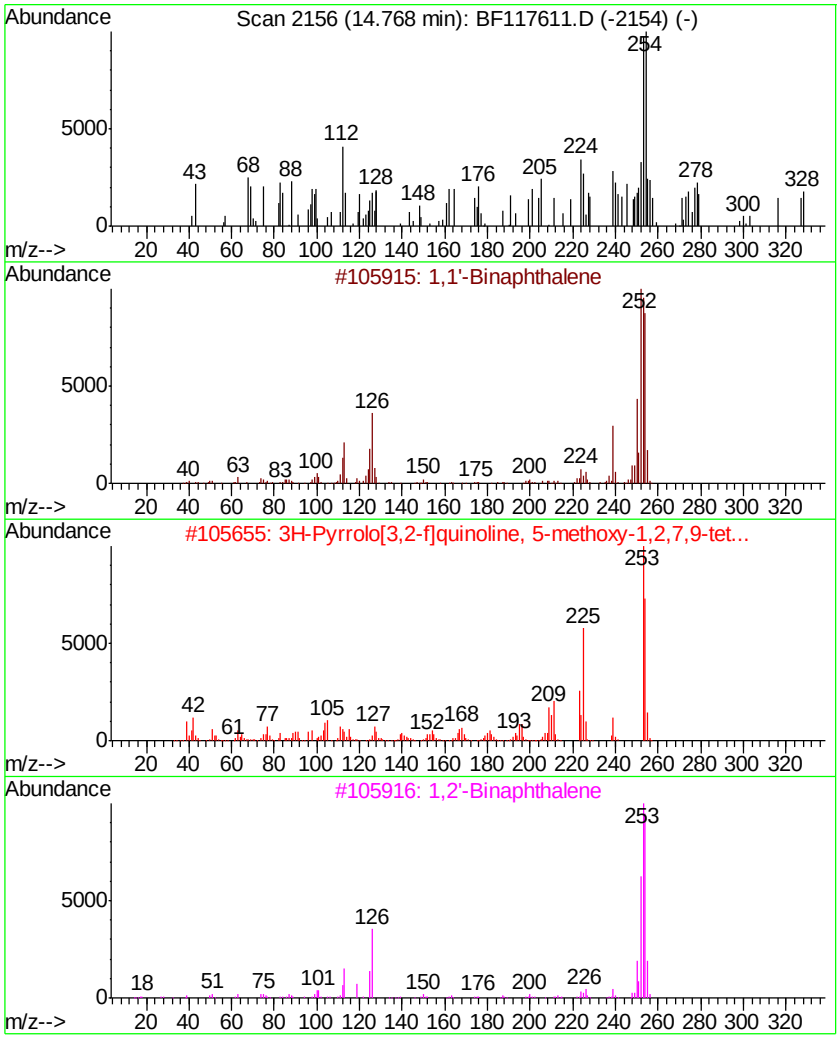
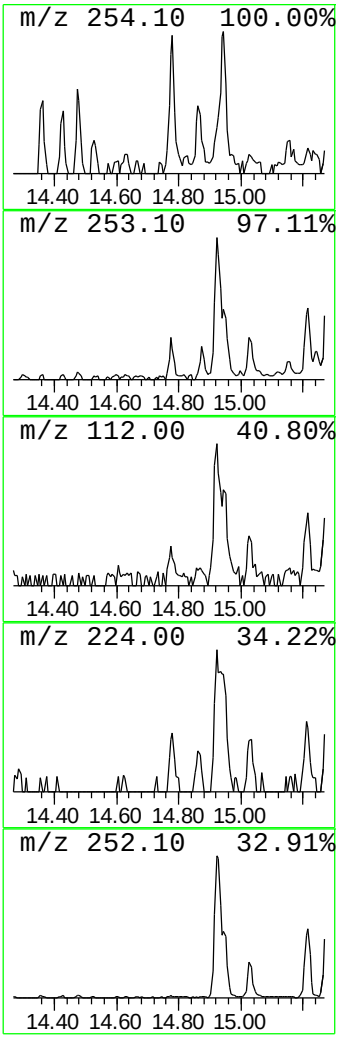
Peak Number 14 1,1'-Binaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	7.92 ng	58169	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
2	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	59
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	58
4	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	53
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	53





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Misc :
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Instrument : BNA_F
ClientSampleId : CSA-2-1-7

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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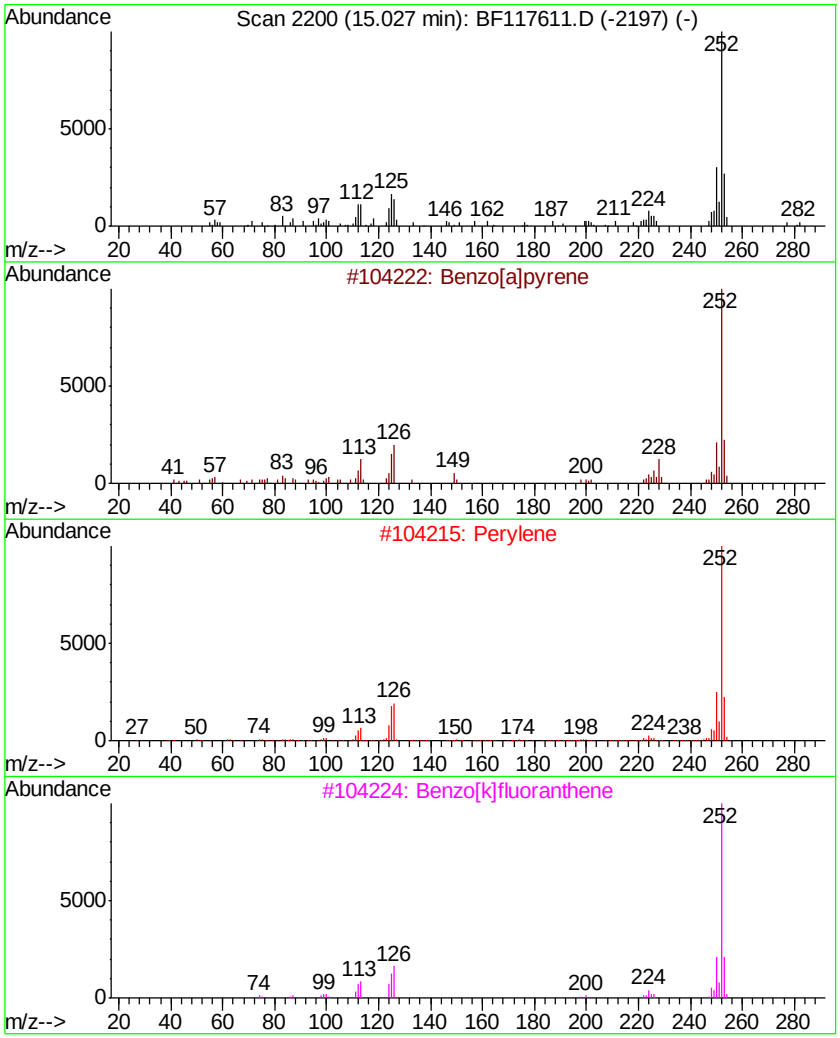
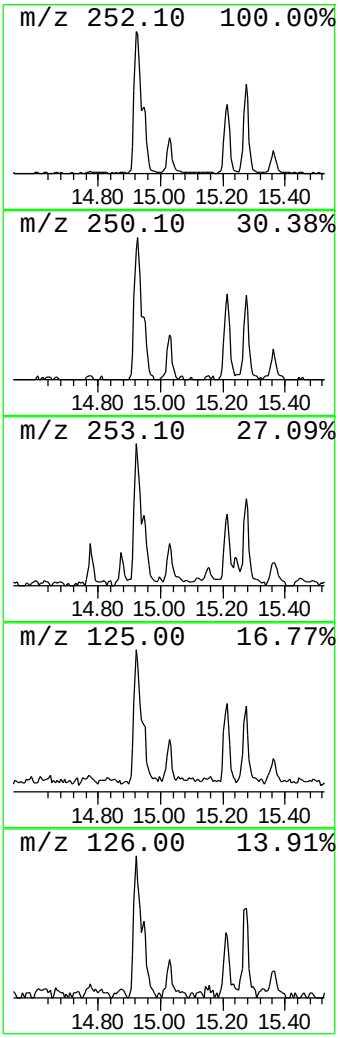
Peak Number 15 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	8.07 ng	59296	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	90
2	Perylene	252	C20H12	000198-55-0	89
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





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Misc :
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ClientSampleId : CSA-2-1-7

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

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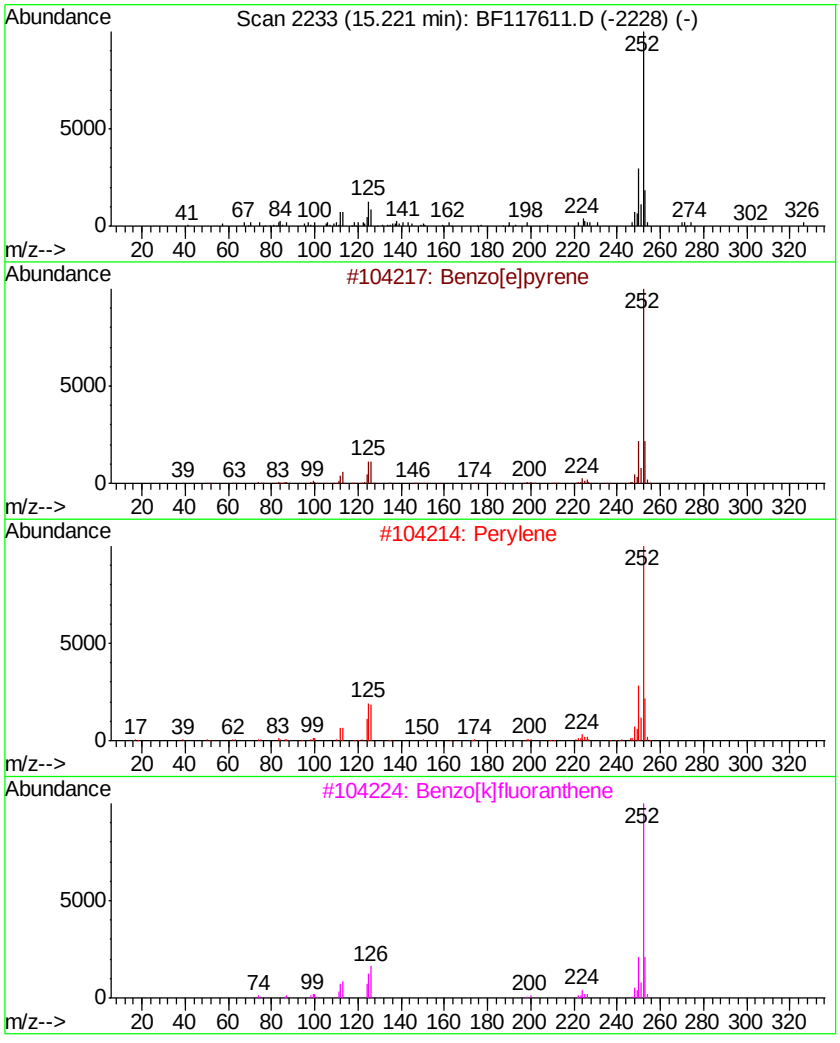
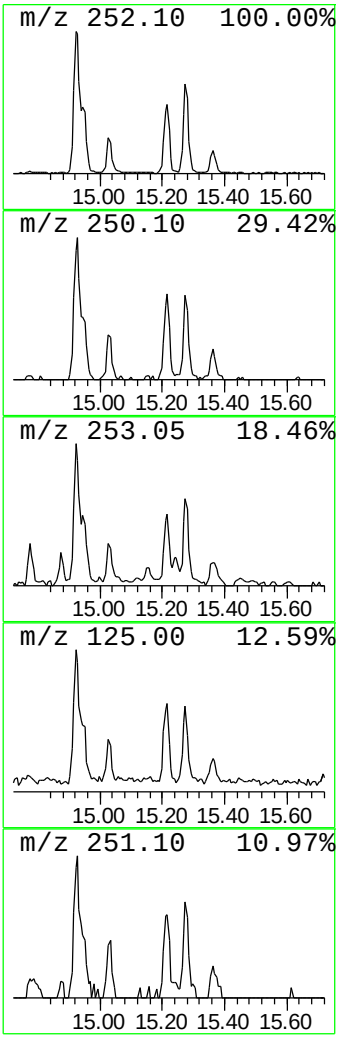
Peak Number 16 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	13.14 ng	96511	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





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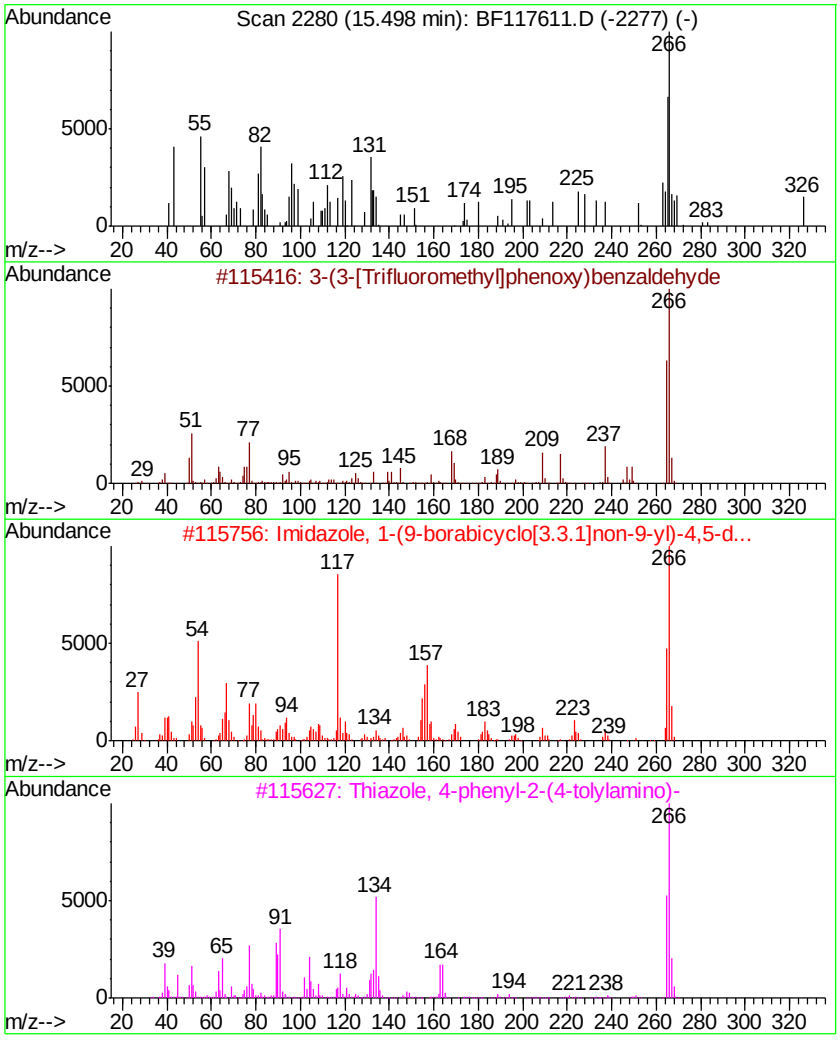
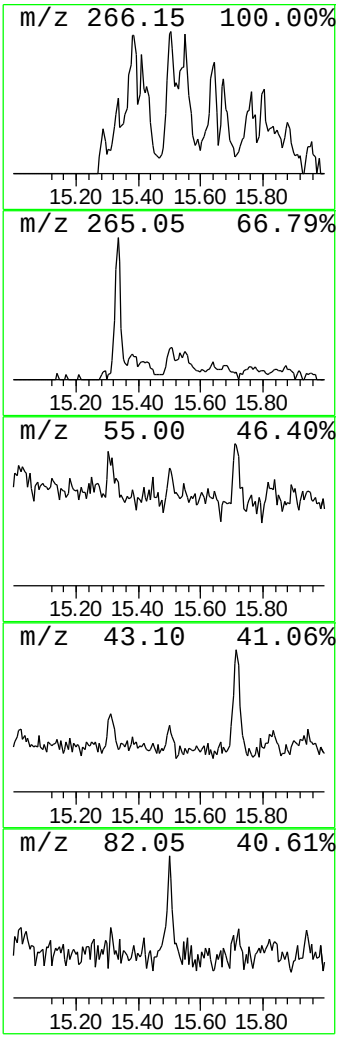
Peak Number 17 unknown15.50 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	3.54 ng	25982	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(3-[Trifluoromethyl]phenoxy)be...	266	C14H9F3O2	078725-46-9	47
2	Imidazole, 1-(9-borabicyclo[3.3....	266	C17H23BN2	1000162-57-9	47
3	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	47
4	Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	47
5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117611.D
Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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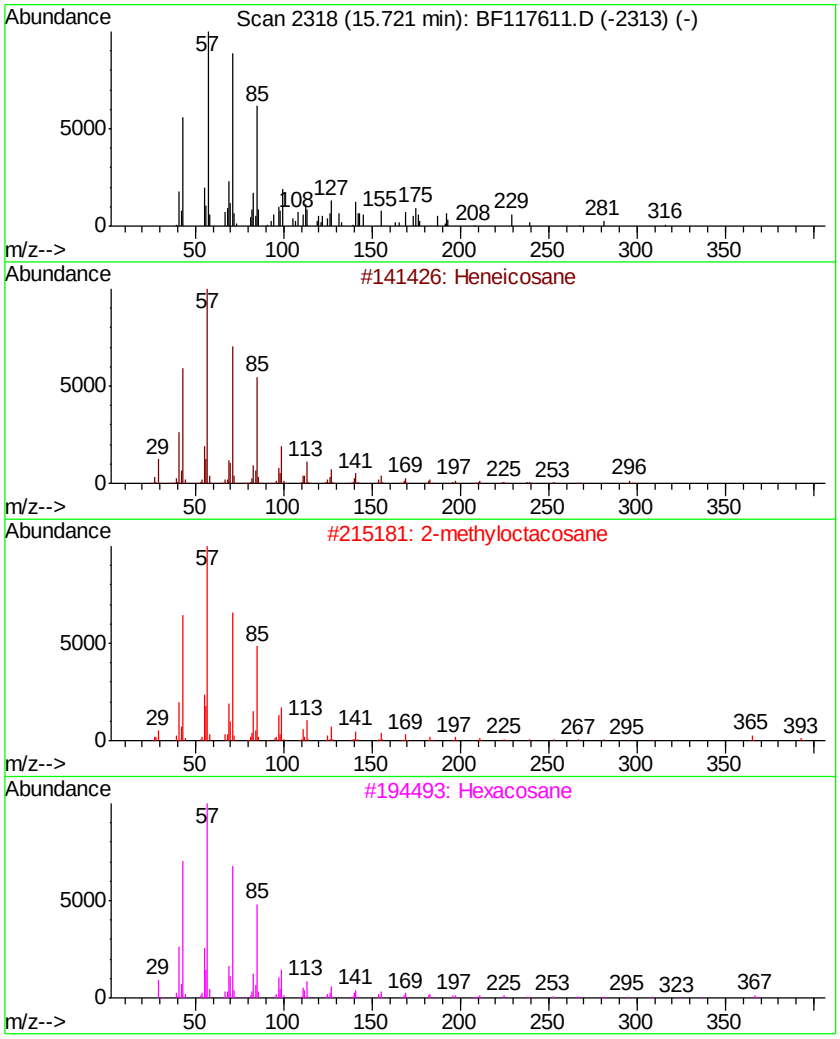
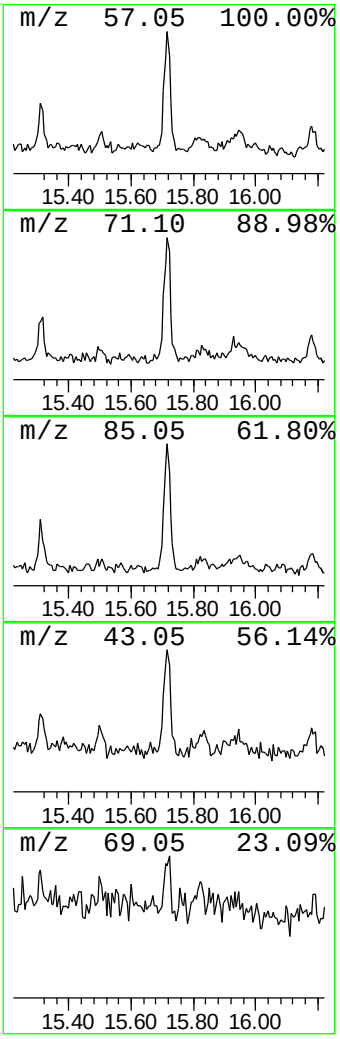
Peak Number 18 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	7.30 ng	53627	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	2-methyloctacosane	408	C29H60	1000376-72-8	87
3	Hexacosane	366	C26H54	000630-01-3	87
4	Tetracosane	338	C24H50	000646-31-1	86
5	Octadecane	254	C18H38	000593-45-3	83





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Data File : BF117611.D
Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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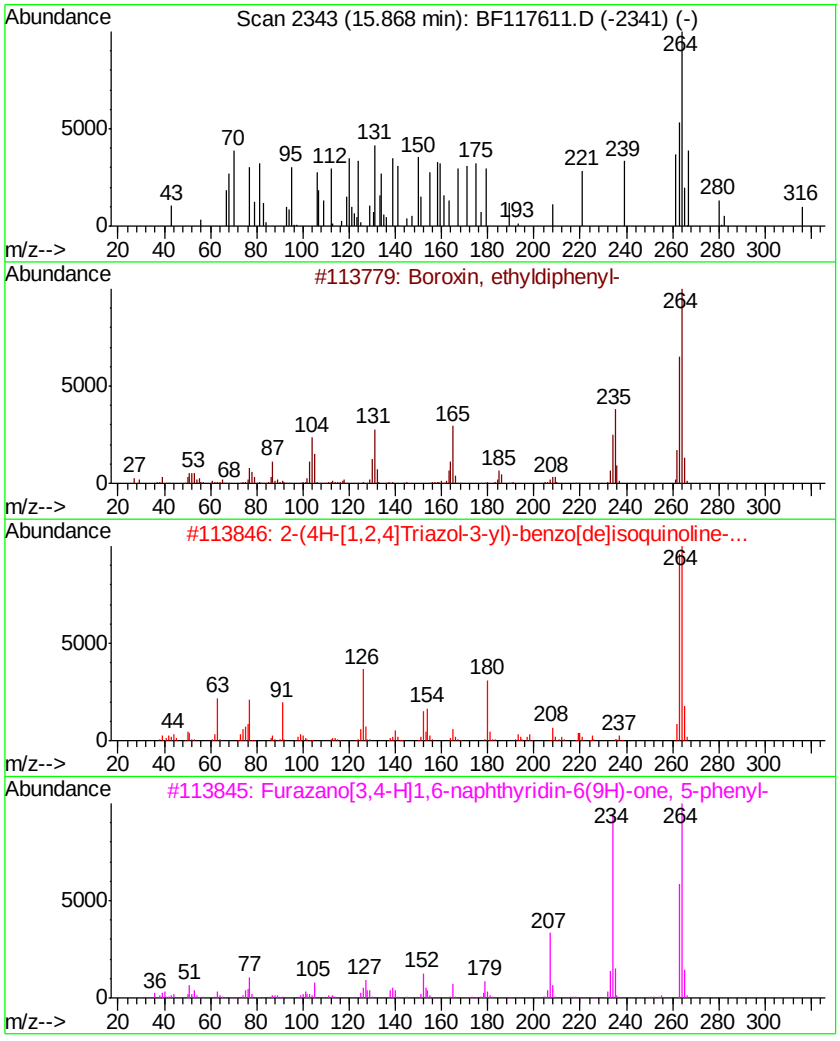
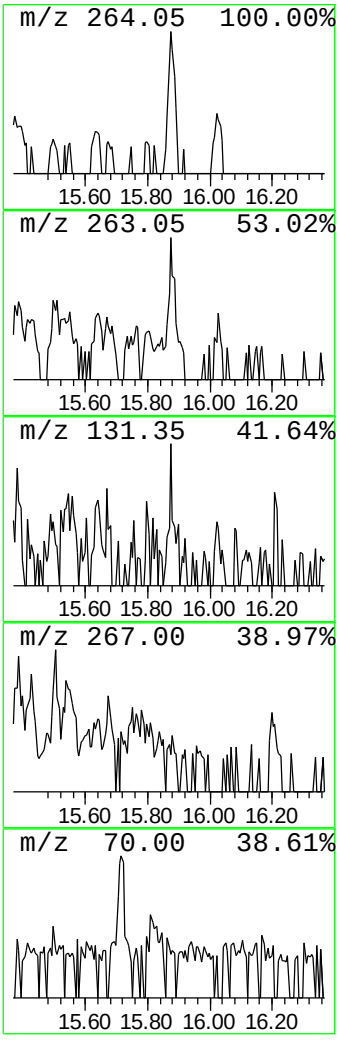
Peak Number 19 Boroxin, ethyldiphenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	2.63 ng	19295	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	53
2	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	43
3	Furazano[3,4-H]1,6-naphthyridin-...	264	C14H8N4O2	296245-19-7	37
4	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	37
5	Benzo[b]naphtho[2,3-d]thiophene,...	264	C18H16S	024964-02-1	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117611.D
Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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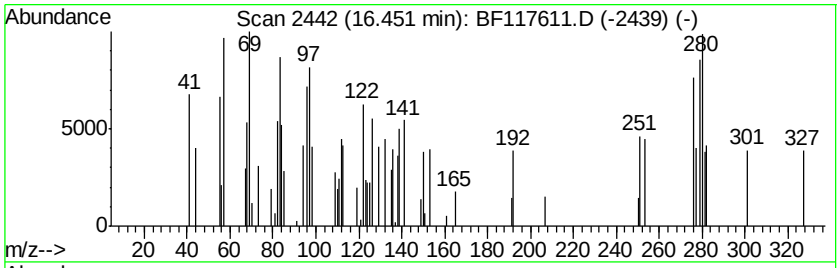
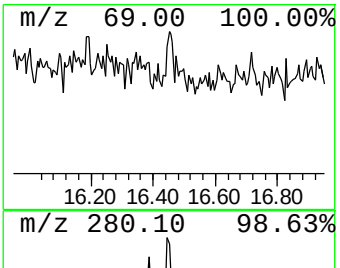
Peak Number 20 unknown16.45 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	4.96 ng	36452	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dibromo-4-ethoxy-	306	C9H8Br2O2	1000276-89-1	25
2	3,5-Dibromo-4-hydroxybenzaldehyde	278	C7H4Br2O2	002973-77-5	25
3	3,6-Dibromo-2,5-xylidine	277	C8H9Br2N	052126-10-0	22
4	3,5-Dibromosalicylaldehyde	278	C7H4Br2O2	000090-59-5	16
5	Aspidospermidine, 1,2-didehydro-...	280	C19H24N2	056245-51-3	10





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102919\
Data File : BF117611.D
Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CSA-2-1-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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
unknown6.51	6.51	13.8	ng	143757	1	6.73	207845	20.0
Anthracene, 9-met...	11.78	3.2	ng	40385	4	11.25	251214	20.0
4H-Cyclopenta[def...	11.86	4.2	ng	52423	4	11.25	251214	20.0
9,10-Dimethylanth...	12.30	3.1	ng	39510	4	11.25	251214	20.0
Cyclopenta(def)ph...	12.40	2.4	ng	30448	4	11.25	251214	20.0
Benzene, 1,1'-(1,...	12.56	3.2	ng	40492	4	11.25	251214	20.0
Pyrene, 1-methyl-	12.91	2.5	ng	71522	5	13.90	571937	20.0
Triphenyl phosphate	13.50	3.1	ng	87990	5	13.90	571937	20.0
11H-Benzo[a]fluor...	13.55	2.3	ng	64445	5	13.90	571937	20.0
unknown13.68	13.68	4.4	ng	125983	5	13.90	571937	20.0
7H-Benz[de]anthra...	13.76	2.8	ng	79256	5	13.90	571937	20.0
unknown14.34	14.34	3.1	ng	89975	5	13.90	571937	20.0
1,1'-Binaphthalene	14.77	7.9	ng	58169	6	15.33	146908	20.0
Perylene	15.03	8.1	ng	59296	6	15.33	146908	20.0
Benzo[e]pyrene	15.22	13.1	ng	96511	6	15.33	146908	20.0
unknown15.50	15.50	3.5	ng	25982	6	15.33	146908	20.0
Heneicosane	15.72	7.3	ng	53627	6	15.33	146908	20.0
Boroxin, ethyldip...	15.87	2.6	ng	19295	6	15.33	146908	20.0
unknown16.45	16.45	5.0	ng	36452	6	15.33	146908	20.0