LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121122.D
Acq On : 30 Jul 2020 1:34
Operator : JU/CG
Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

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-BF071620.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	5.416	563	566	577	rVB	483378	510313	18.53%	1.542%
2	6.446	737	741	755	rBV	498180	543654	19.74%	1.642%
3	6.810	799	803	806	rBV	1222811	1048383	38.07%	3.167%
4	7.069	843	847	853	rBV	27004	36303	1.32%	0.110%
5	7.363	895	897	902	rVB	294418	261207	9.49%	0.789%
6	7.845	974	979	982	rBV5	17563	29991	1.09%	0.091%
7	8.092	1015	1021	1023	rBV	1593855	1323841	48.07%	3.999%
8	8.110	1023	1024	1028	rVB	263382	198521	7.21%	0.600%
9	8.681	1118	1121	1124	rBV2	43170	38962	1.41%	0.118%
10	8.804	1139	1142	1146	rVB	150434	113307	4.11%	0.342%
11	8.904	1155	1159	1163	rBV	118508	107660	3.91%	0.325%
12	9.110	1192	1194	1200	rVV3	43084	44022	1.60%	0.133%
13	9.163	1200	1203	1208	rVB	798622	626240	22.74%	1.892%
14	9.245	1213	1217	1219	rBV	73600	71902	2.61%	0.217%
15	9.363	1234	1237	1243	rVB	44125	51000	1.85%	0.154%
16	9.434	1245	1249	1252	rVV	81547	110081	4.00%	0.333%
17	9.504	1258	1261	1263	rBV	135096	117633	4.27%	0.355%
18	9.528	1263	1265	1268	rVV	82695	76839	2.79%	0.232%
19	9.557	1268	1270	1274	rVV2	160782	190646	6.92%	0.576%
20	9.622	1278	1281	1286	rVB	84491	89881	3.26%	0.272%
21	9.704	1292	1295	1299	rBV	223031	185822	6.75%	0.561%
22	9.775	1305	1307	1312	rVB	57734	46782	1.70%	0.141%
23	9.845	1312	1319	1322	rBV	1672782	1425420	51.76%	4.306%
24	9.875	1322	1324	1328	rVV	336591	311635	11.32%	0.941%
25	9.910	1328	1330	1334	rVB3	35816	34856	1.27%	0.105%
26	9.951	1334	1337	1341	rBV2	55146	68825	2.50%	0.208%
27	10.004	1341	1346	1348	rBV3	41017	58151	2.11%	0.176%
28	10.051	1349	1354	1358	rVV	216471	228649	8.30%	0.691%
29	10.086	1358	1360	1365	rVV2	72348	70091	2.55%	0.212%
30	10.163	1369	1373	1375	rBV2	88596	96550	3.51%	0.292%
31	10.192	1375	1378	1380	rVV	53306	49278	1.79%	0.149%
32	10.251	1384	1388	1390	rBV3	66534	82880	3.01%	0.250%
33	10.275	1390	1392	1394	rVB2	88970	68253	2.48%	0.206%
34	10.298	1394	1396	1399	rBV	43595	34540	1.25%	0.104%

LSC Area Percent Report

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Operator : JU/CG
Sample : L3436-05 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 5

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.392	1408	1412	1418	rVB	408777	373107	13.55%	1.127%
36	10.457	1418	1423	1425	rBV2	67585	85967	3.12%	0.260%
37	10.481	1425	1427	1428	rVV2	64491	59328	2.15%	0.179%
38	10.498	1428	1430	1433	rVV2	81681	92663	3.36%	0.280%
39	10.545	1436	1438	1442	rVB	80228	84323	3.06%	0.255%
40	10.633	1447	1453	1456	rBV	426642	411328	14.94%	1.243%
41	10.757	1469	1474	1478	rBV	161557	210424	7.64%	0.636%
42	10.833	1481	1487	1489	rBV5	44566	73336	2.66%	0.222%
43	10.939	1501	1505	1508	rBV2	107089	124995	4.54%	0.378%
44	10.969	1508	1510	1513	rVV	81232	72769	2.64%	0.220%
45	11.022	1517	1519	1522	rVB2	68105	63324	2.30%	0.191%
46	11.069	1522	1527	1529	rBV2	55145	87305	3.17%	0.264%
47	11.092	1529	1531	1536	rVV	71059	72844	2.65%	0.220%
48	11.139	1536	1539	1542	rVB2	63503	66342	2.41%	0.200%
49	11.192	1543	1548	1551	rVV2	86789	138035	5.01%	0.417%
50	11.228	1551	1554	1559	rVB	229093	213537	7.75%	0.645%
51	11.333	1568	1572	1574	rBV	1496481	1396397	50.71%	4.218%
52	11.357	1574	1576	1579	rVV	2070498	1590516	57.76%	4.805%
53	11.410	1582	1585	1587	rVV	662875	597112	21.68%	1.804%
54	11.439	1587	1590	1593	rVV2	79779	85382	3.10%	0.258%
55	11.563	1608	1611	1617	rVV	156500	149136	5.42%	0.451%
56	11.622	1619	1621	1624	rVV	100137	87331	3.17%	0.264%
57	11.663	1625	1628	1633	rVB2	105498	99285	3.61%	0.300%
58	11.745	1639	1642	1645	rVB	55280	60069	2.18%	0.181%
59	11.833	1654	1657	1659	rBV	314784	260426	9.46%	0.787%
60	11.863	1659	1662	1665	rVB	418400	346140	12.57%	1.046%
61	11.910	1667	1670	1673	rVV	198243	173103	6.29%	0.523%
62	11.945	1673	1676	1678	rVV	616640	602247	21.87%	1.819%
63	11.969	1678	1680	1684	rVB	253874	197661	7.18%	0.597%
64	12.033	1689	1691	1694	rVB2	80103	67422	2.45%	0.204%
65	12.069	1694	1697	1699	rBV2	57179	50891	1.85%	0.154%
66	12.127	1704	1707	1709	rVV	226906	195496	7.10%	0.591%
67	12.157	1709	1712	1715	rVB2	92021	101901	3.70%	0.308%
68	12.257	1727	1729	1731	rBV	55686	59347	2.16%	0.179%
69	12.280	1731	1733	1735	rVV	88217	71645	2.60%	0.216%
70	12.310	1735	1738	1740	rVV	124682	107196	3.89%	0.324%
71	12.333	1740	1742	1744	rVB2	87945	67302	2.44%	0.203%

LSC Area Percent Report

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Acq On : 30 Jul 2020 1:34
Operator : JU/CG
Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.386	1747	1751	1753	rBV	227907	262711	9.54%	0.794%
73	12.422	1753	1757	1762	rVV4	224195	382023	13.87%	1.154%
74	12.469	1762	1765	1770	rVV2	154871	176612	6.41%	0.534%
75	12.551	1775	1779	1782	rBV	2482011	2283597	82.92%	6.899%
76	12.592	1782	1786	1787	rBV2	53881	53063	1.93%	0.160%
77	12.639	1791	1794	1797	rBV	114241	100342	3.64%	0.303%
78	12.698	1801	1804	1807	rBV2	111168	118803	4.31%	0.359%
79	12.780	1811	1818	1823	rBV	2278415	2753887	100.00%	8.319%
80	12.827	1823	1826	1830	rVB3	104879	148877	5.41%	0.450%
81	12.892	1834	1837	1838	rBV2	144925	124968	4.54%	0.378%
82	12.916	1838	1841	1848	rVB2	739873	773066	28.07%	2.335%
83	12.992	1850	1854	1857	rBV3	180887	270050	9.81%	0.816%
84	13.104	1866	1873	1876	rVB	427285	576046	20.92%	1.740%
85	13.169	1882	1884	1887	rVB	358198	267877	9.73%	0.809%
86	13.204	1887	1890	1893	rBV2	252902	269283	9.78%	0.813%
87	13.298	1904	1906	1909	rVB	156796	111417	4.05%	0.337%
88	13.327	1909	1911	1915	rBV	170220	172734	6.27%	0.522%
89	13.610	1957	1959	1963	rVB	134827	133338	4.84%	0.403%
90	13.722	1976	1978	1981	rVB	149129	116844	4.24%	0.353%
91	13.751	1981	1983	1985	rVB	163696	113616	4.13%	0.343%
92	13.774	1985	1987	1991	rBV2	140322	182099	6.61%	0.550%
93	13.821	1992	1995	1999	rVB3	162510	188398	6.84%	0.569%
94	13.974	2016	2021	2023	rBV2	1589204	2273059	82.54%	6.867%
95	13.998	2023	2025	2031	rVB	966033	899072	32.65%	2.716%
96	14.080	2037	2039	2042	rVB	210225	140925	5.12%	0.426%
97	15.010	2193	2197	2200	rBV	601164	884339	32.11%	2.672%
98	15.304	2245	2247	2253	rVB	351640	450473	16.36%	1.361%
99	15.368	2255	2258	2263	rVV	545307	681975	24.76%	2.060%
100	15.433	2265	2269	2282	rVB2	726406	1245341	45.22%	3.762%

Sum of corrected areas: 33102585

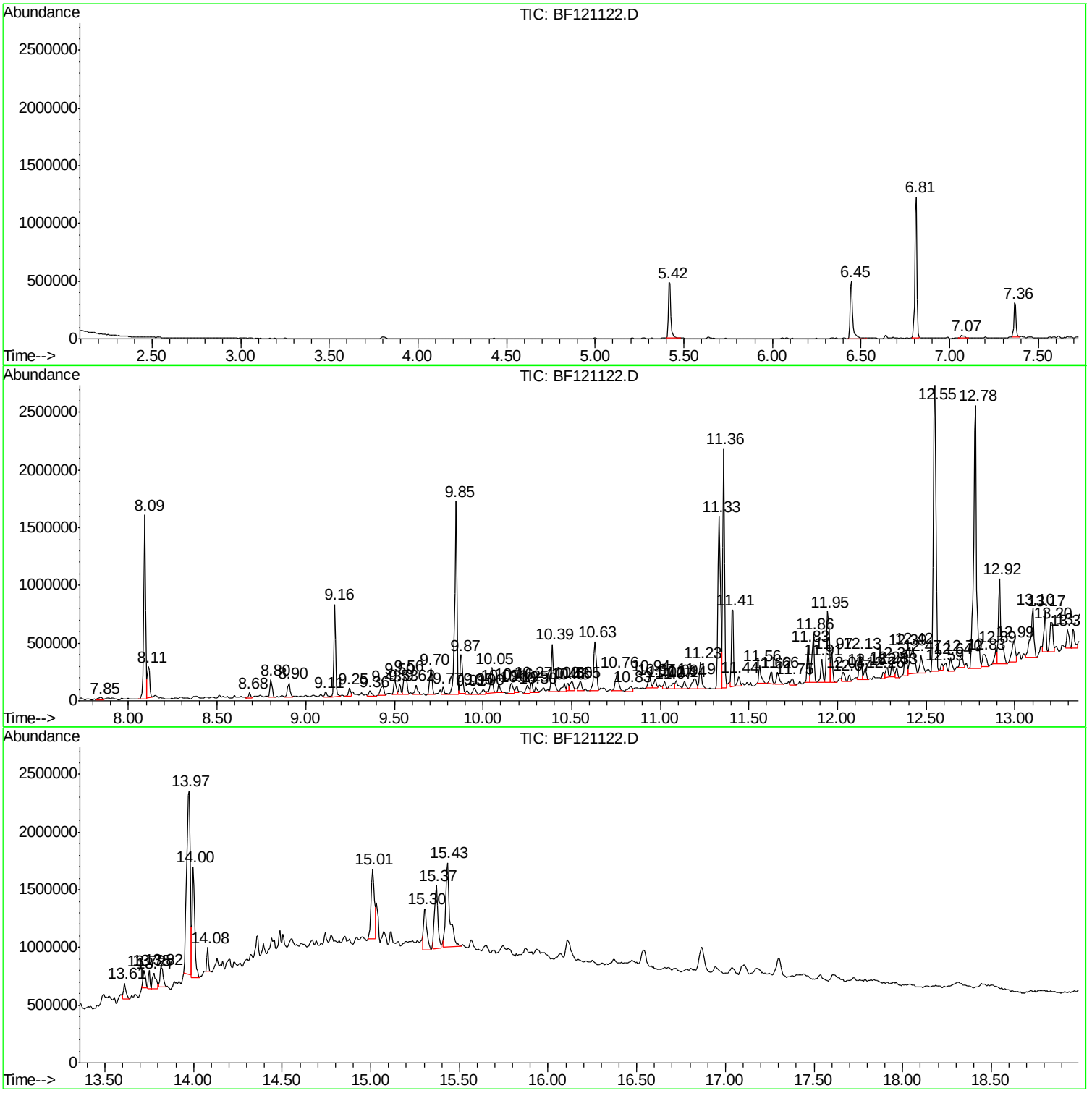
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121122.D
Acq On : 30 Jul 2020 1:34
Operator : JU/CG
Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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\BF072920\
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
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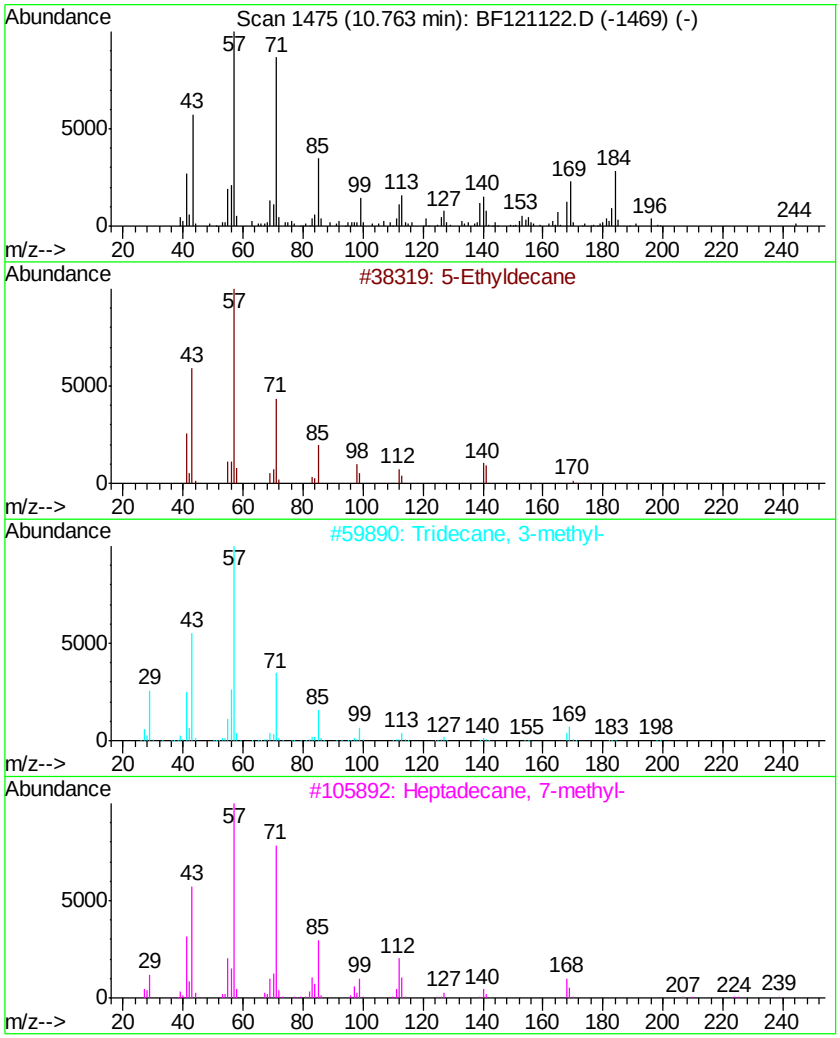
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

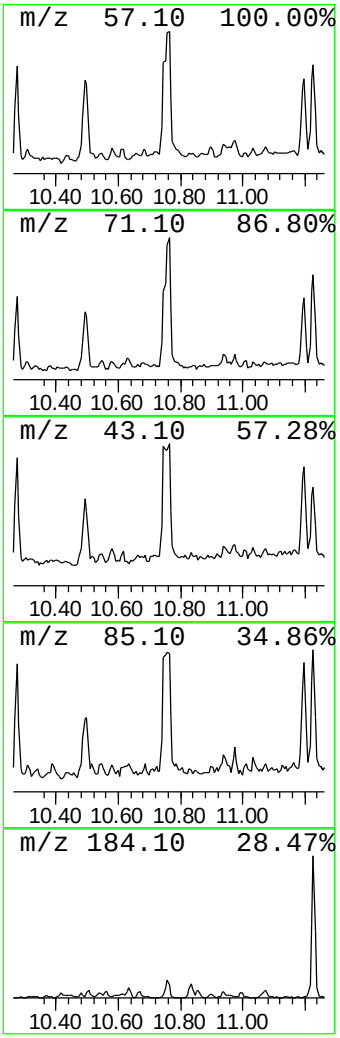
****

Peak Number 2 5-Ethyldecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.01 ng	210424	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethyldecane	170	C12H26	017302-36-2	50
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	46
3	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	43
4	Tridecane, 7-methyl-	198	C14H30	026730-14-3	42
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121122.D
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Sample : L3436-05 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

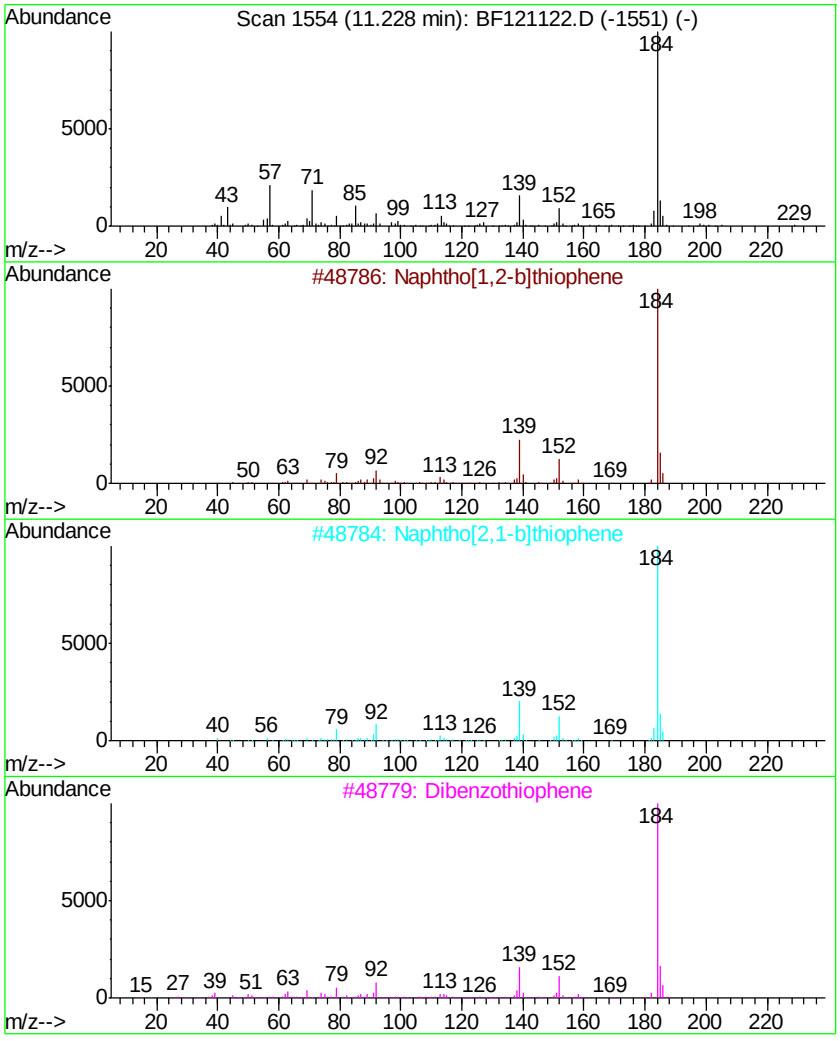
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

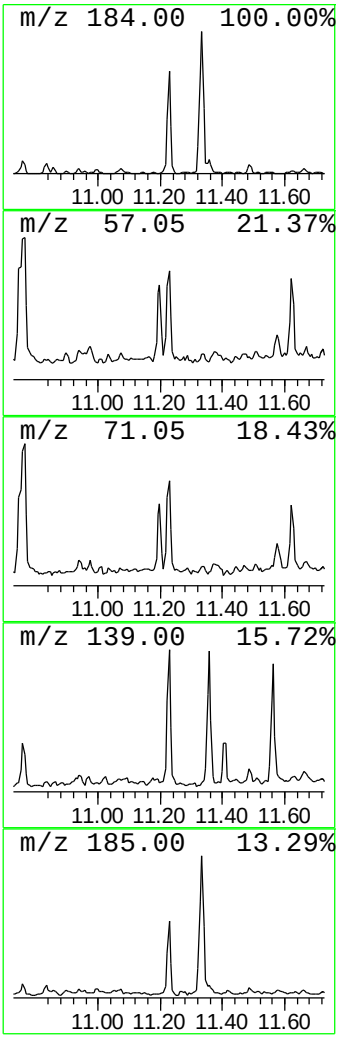
****

Peak Number 3 Naphtho[1,2-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	3.06 ng	213537	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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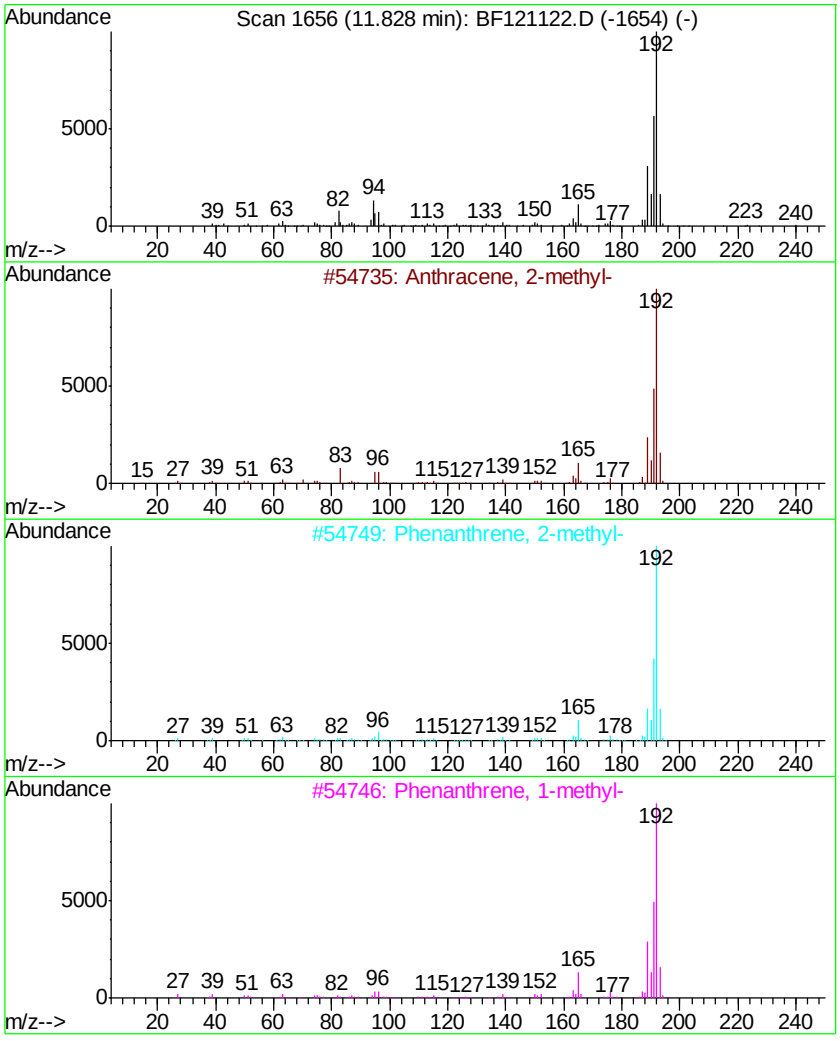
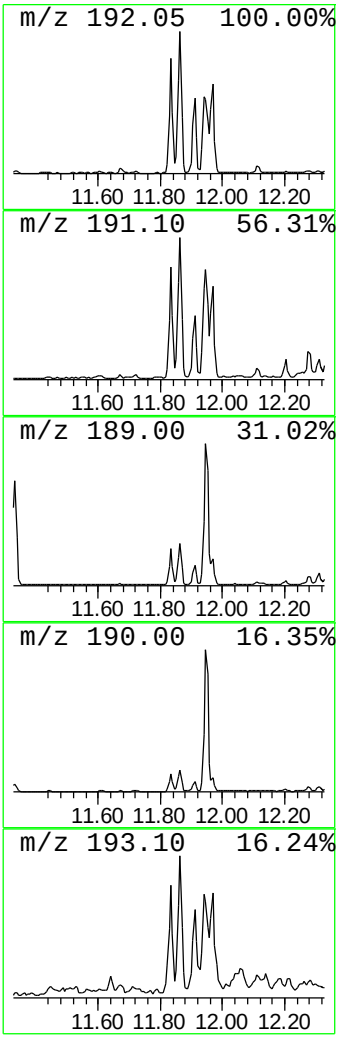
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.73 ng	260426	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
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Acq On : 30 Jul 2020 1:34
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Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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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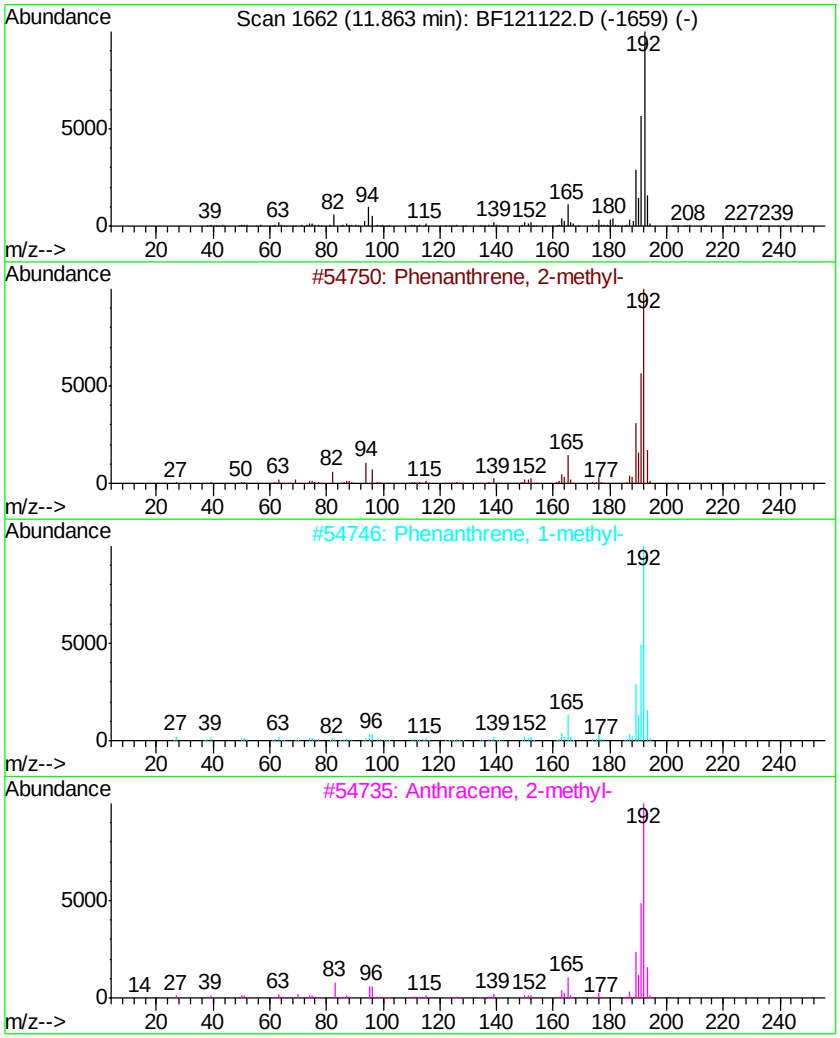
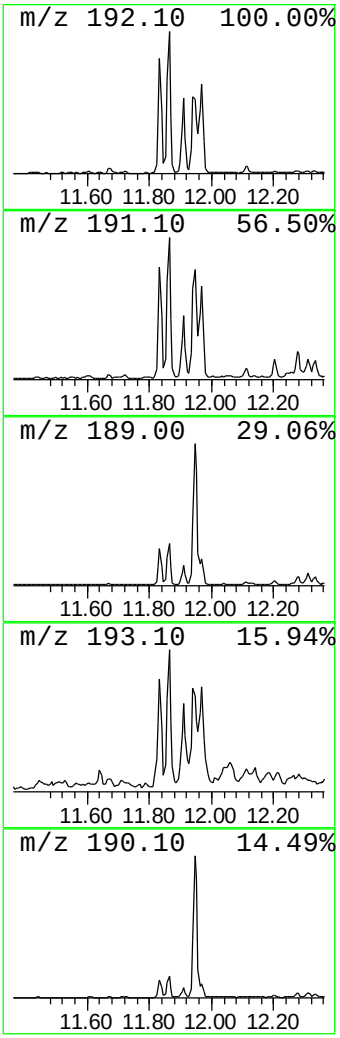
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.96 ng	346140	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121122.D
Acq On : 30 Jul 2020 1:34
Operator : JU/CG
Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

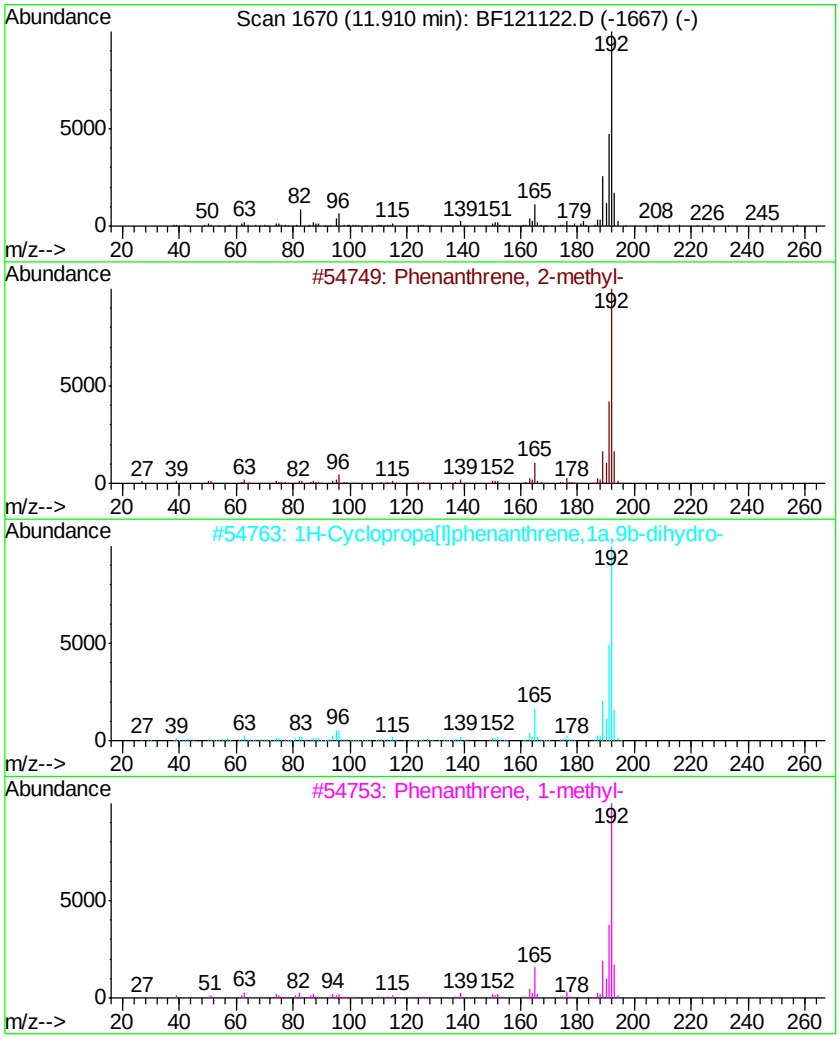
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

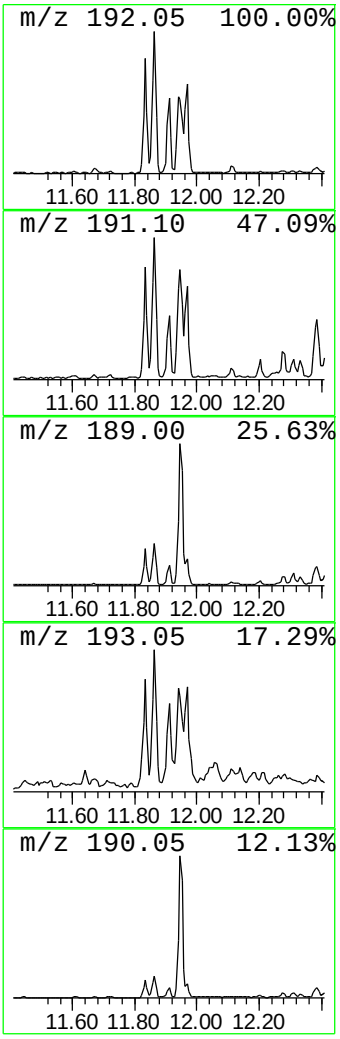
****

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	2.48 ng	173103	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121122.D
Acq On : 30 Jul 2020 1:34
Operator : JU/CG
Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

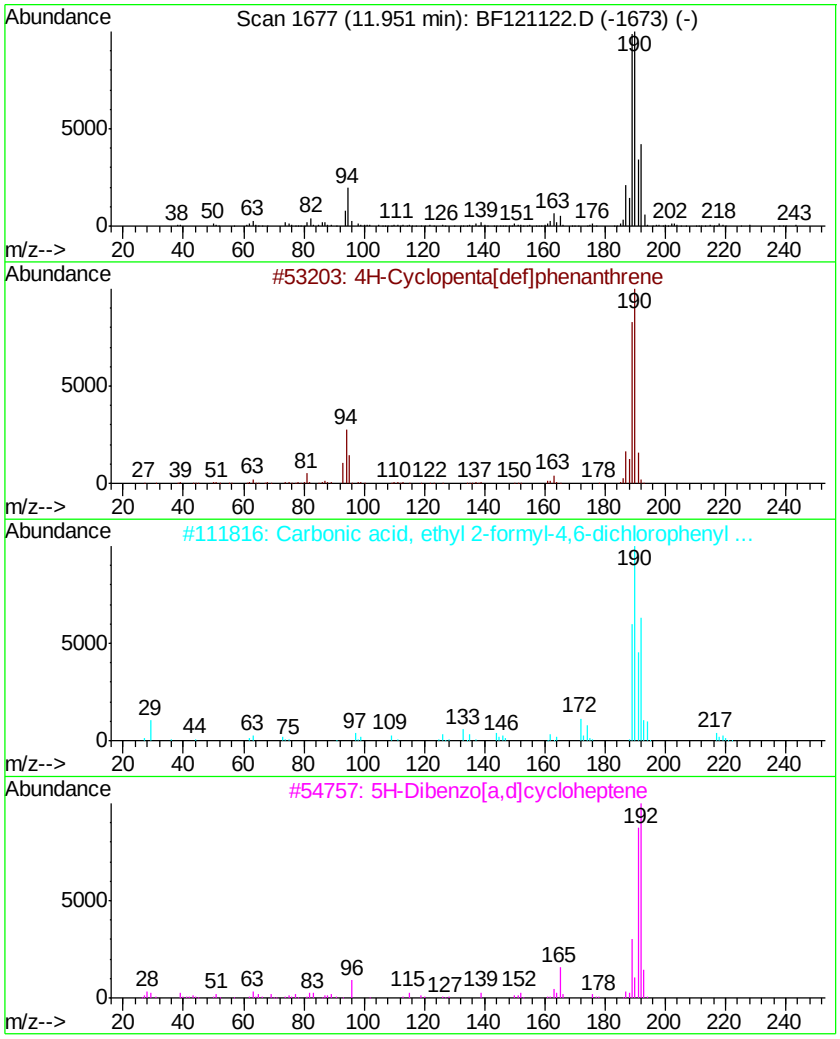
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

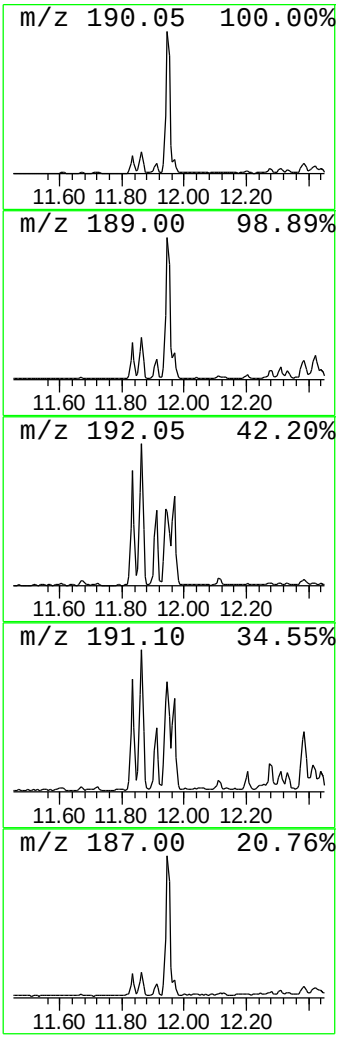
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	8.63 ng	602247	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	15
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	15





Library Search Compound Report

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Acq On : 30 Jul 2020 1:34
Operator : JU/CG
Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

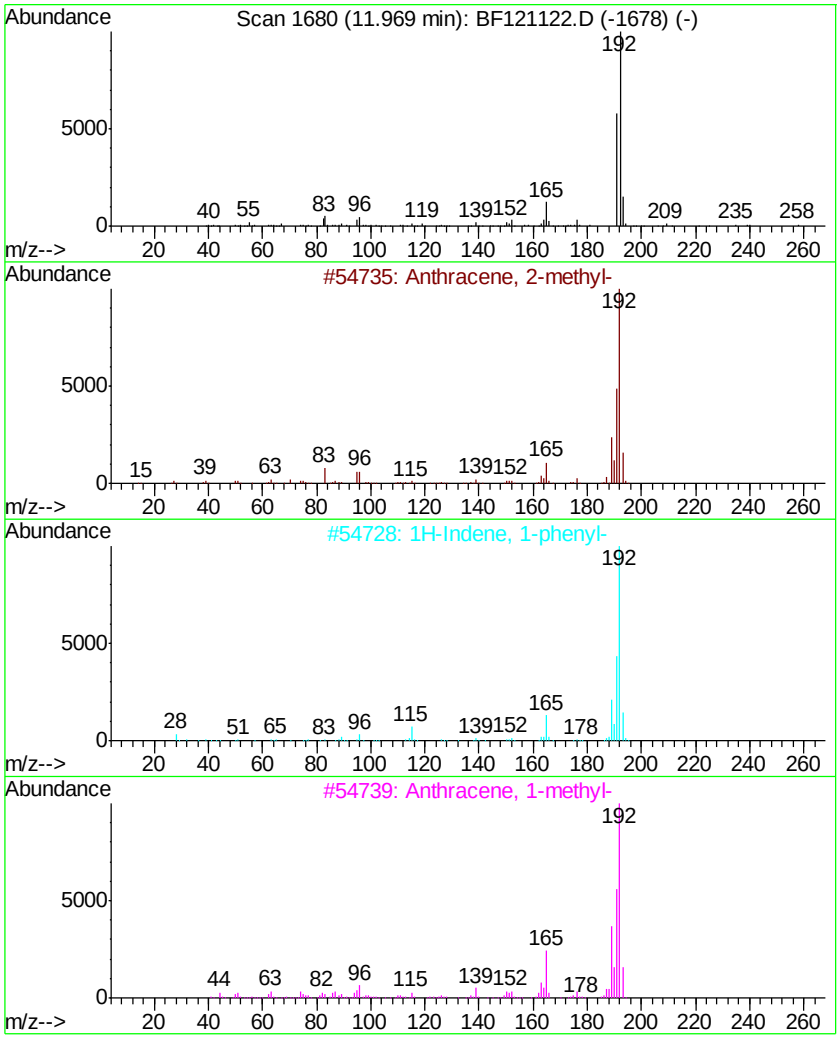
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

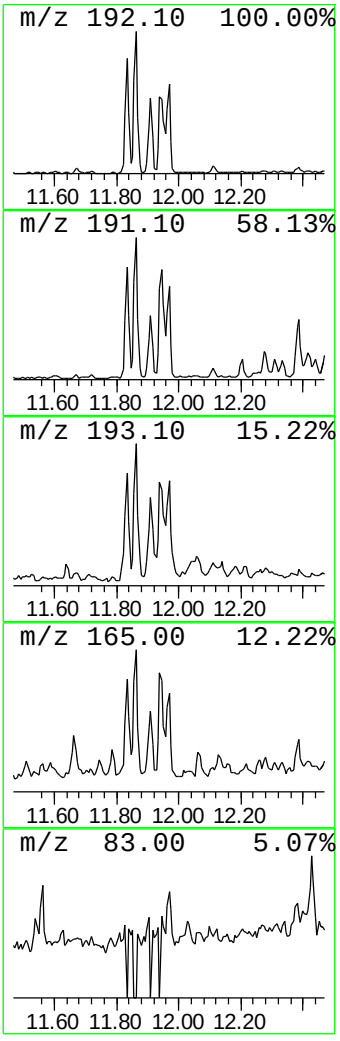
****

Peak Number 8 1H-Indene, 1-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.83 ng	197661	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Library Search Compound Report

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Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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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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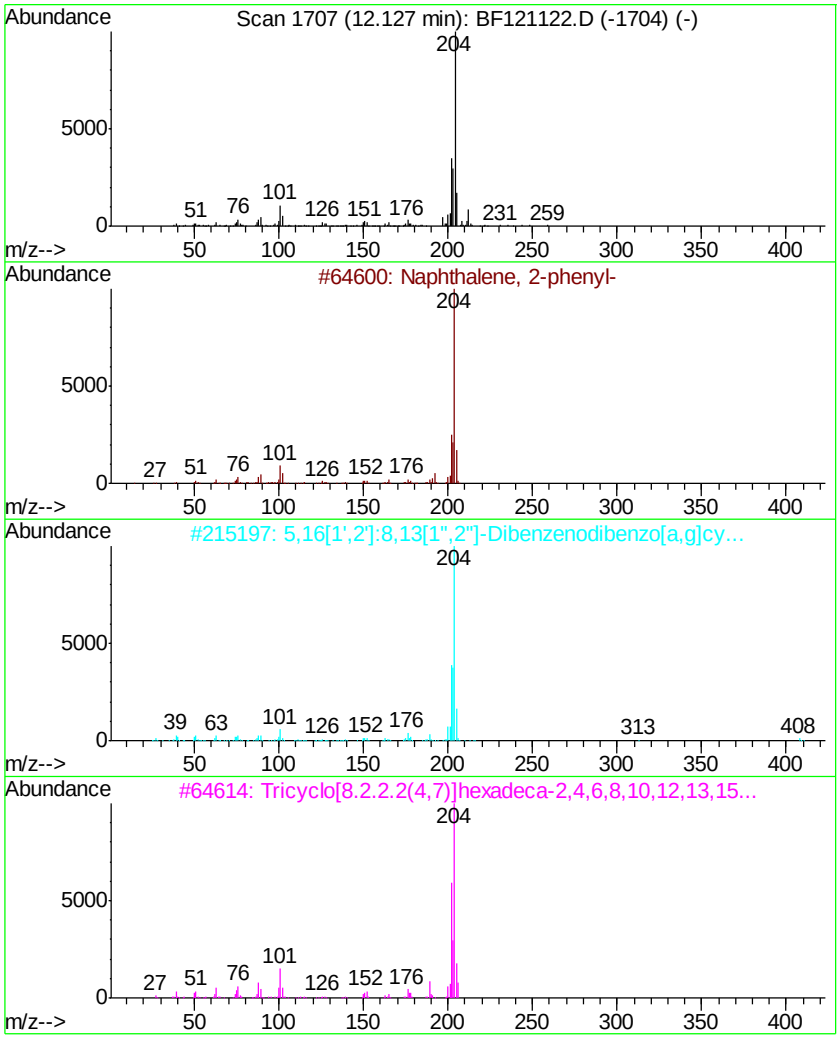
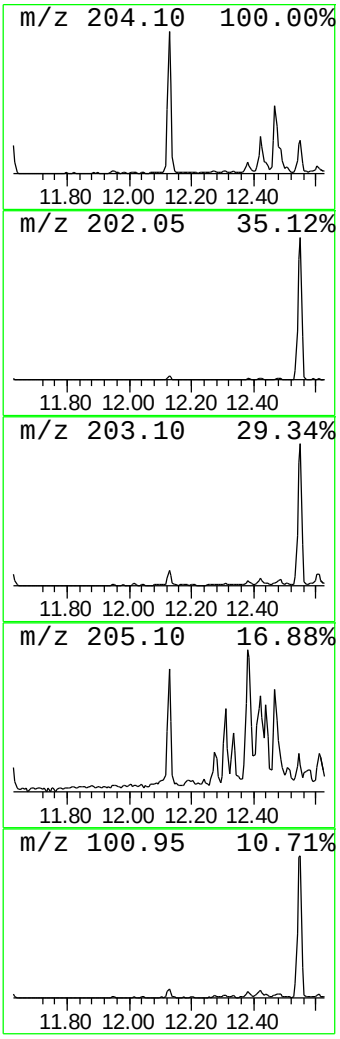
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.80 ng	195496	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52





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Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

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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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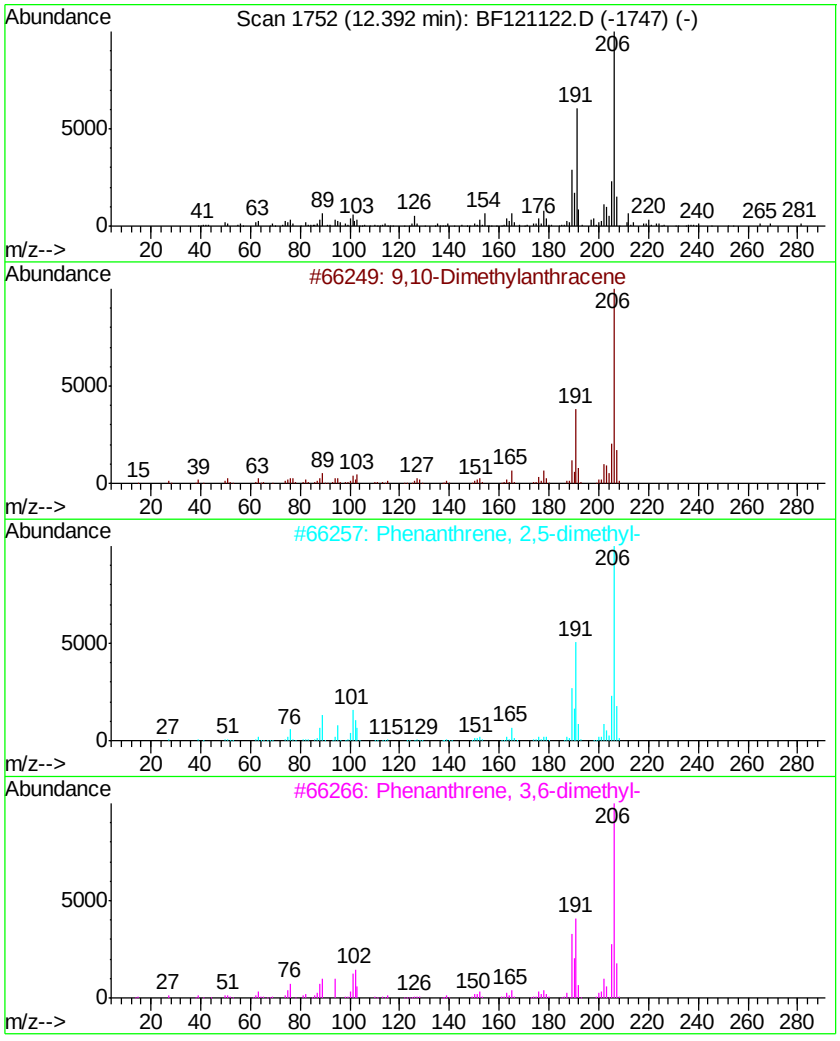
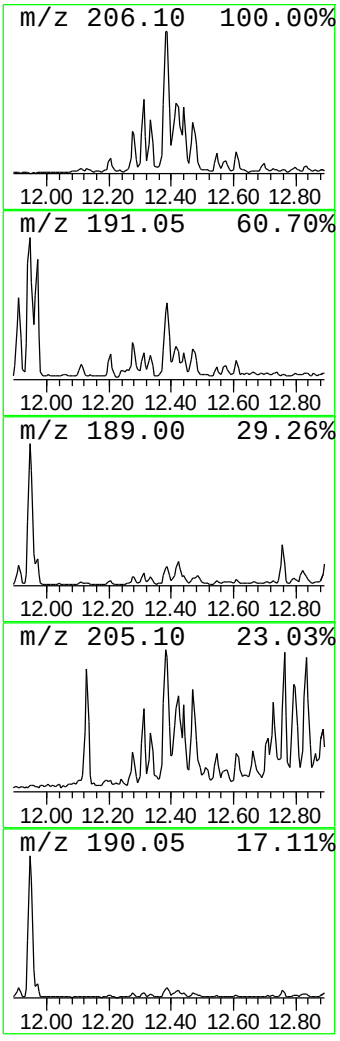
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	3.76 ng	262711	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	98
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

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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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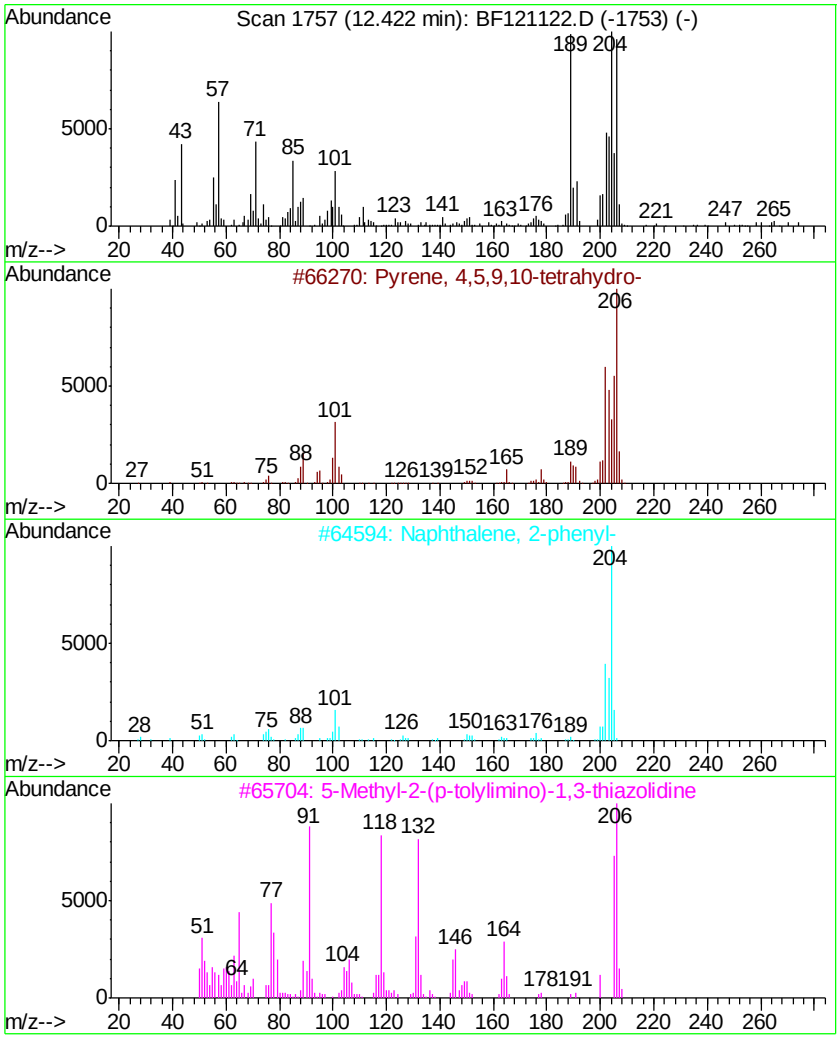
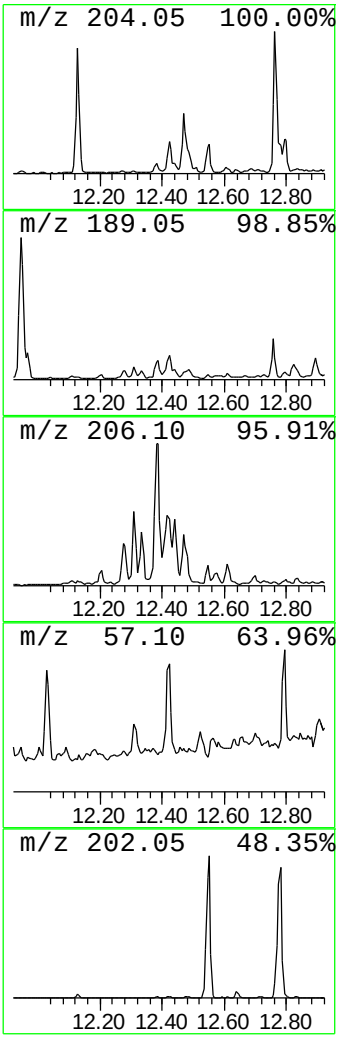
Peak Number 11 unknown12.42 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	5.47 ng	382023	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
3	5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	25
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	18
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	15





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Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

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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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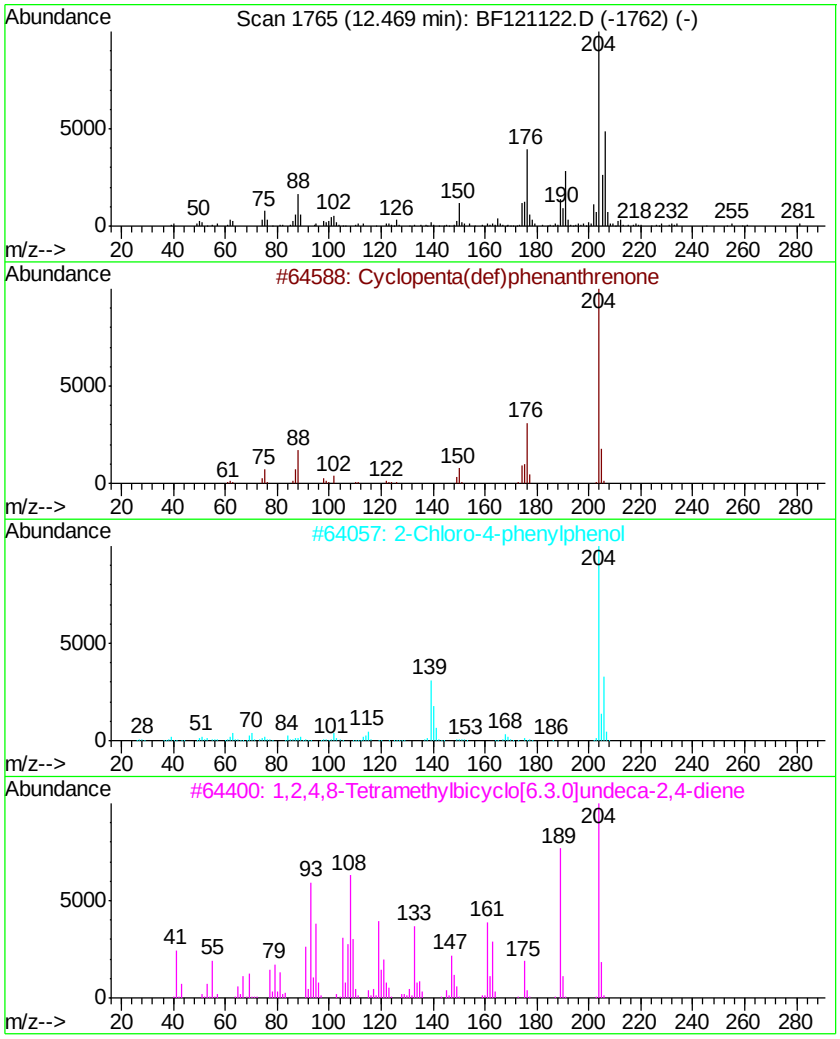
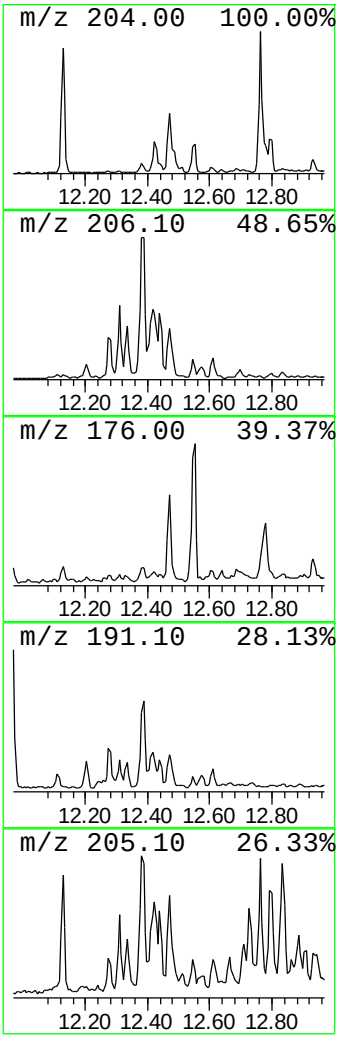
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.53 ng	176612	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	35
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35





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Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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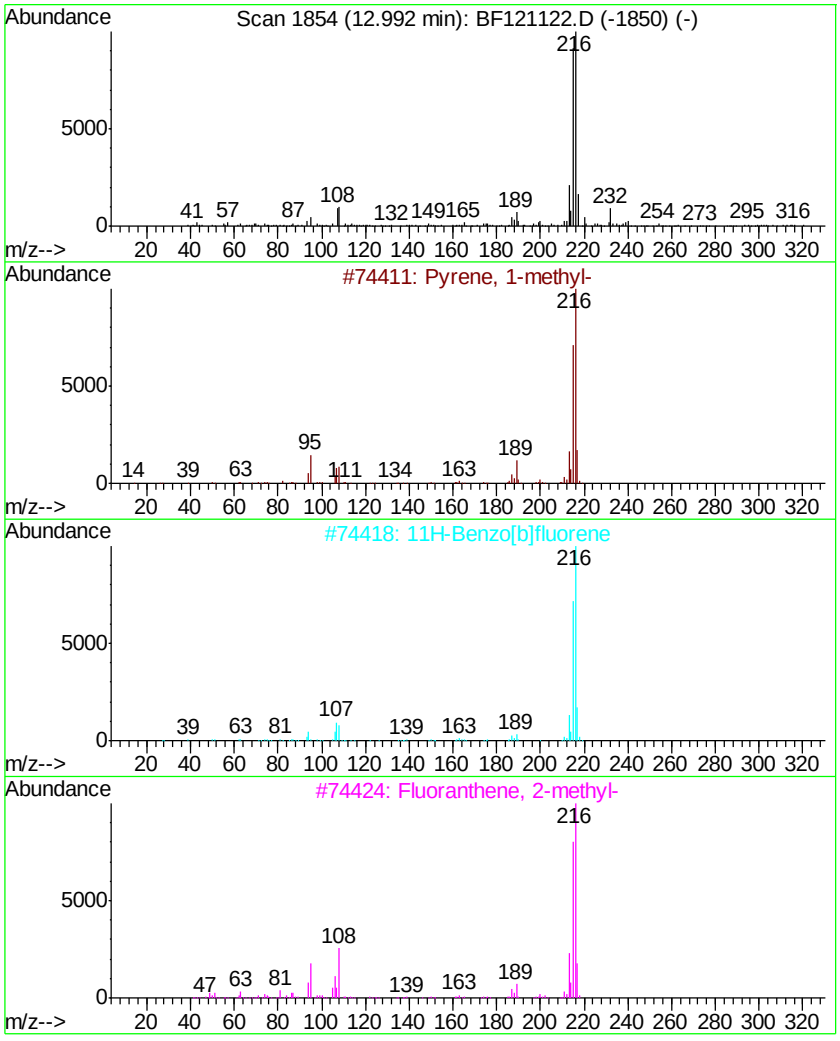
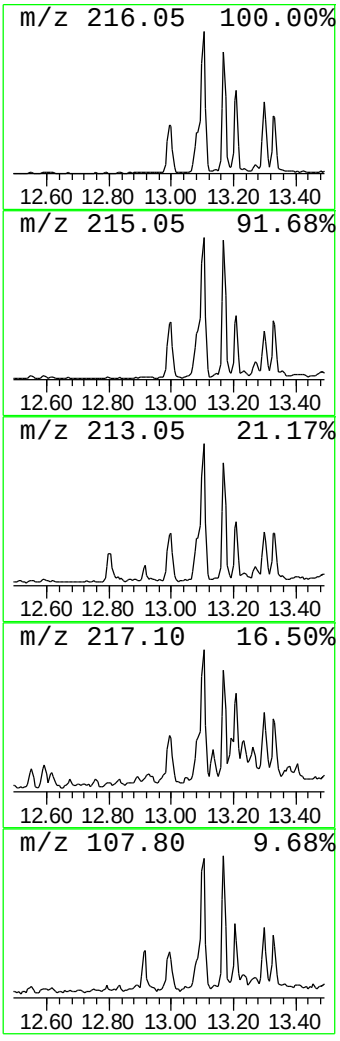
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	2.38 ng	270050	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





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Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

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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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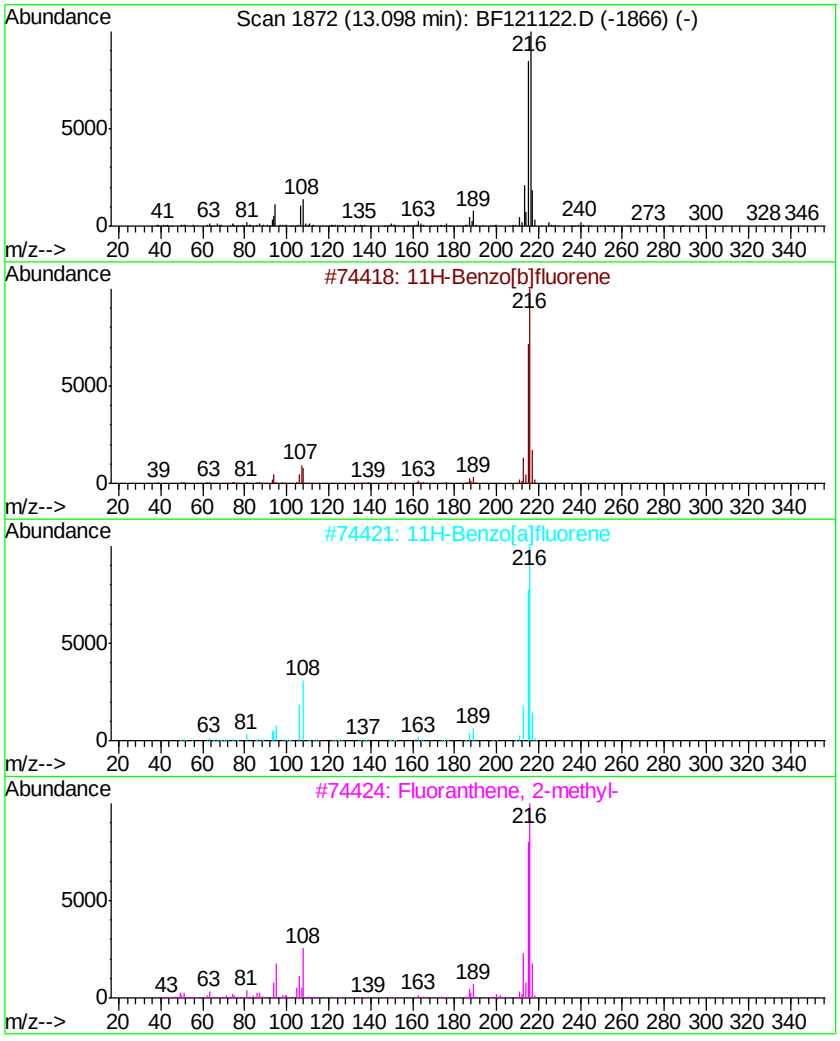
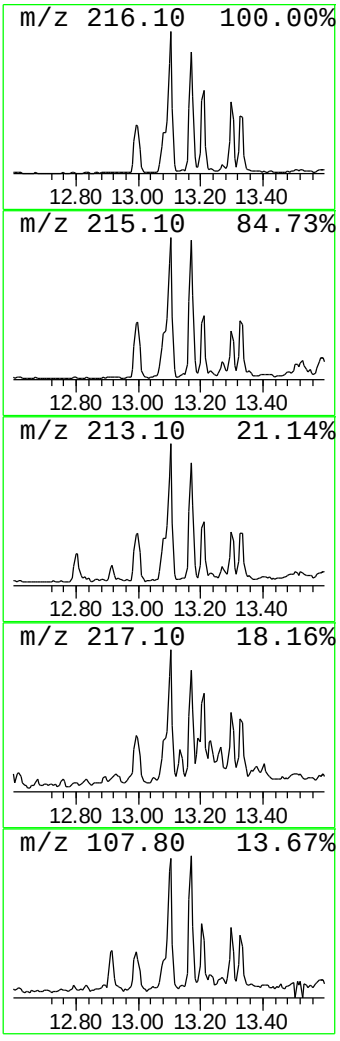
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	5.07 ng	576046	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Library Search Compound Report

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Data File : BF121122.D
Acq On : 30 Jul 2020 1:34
Operator : JU/CG
Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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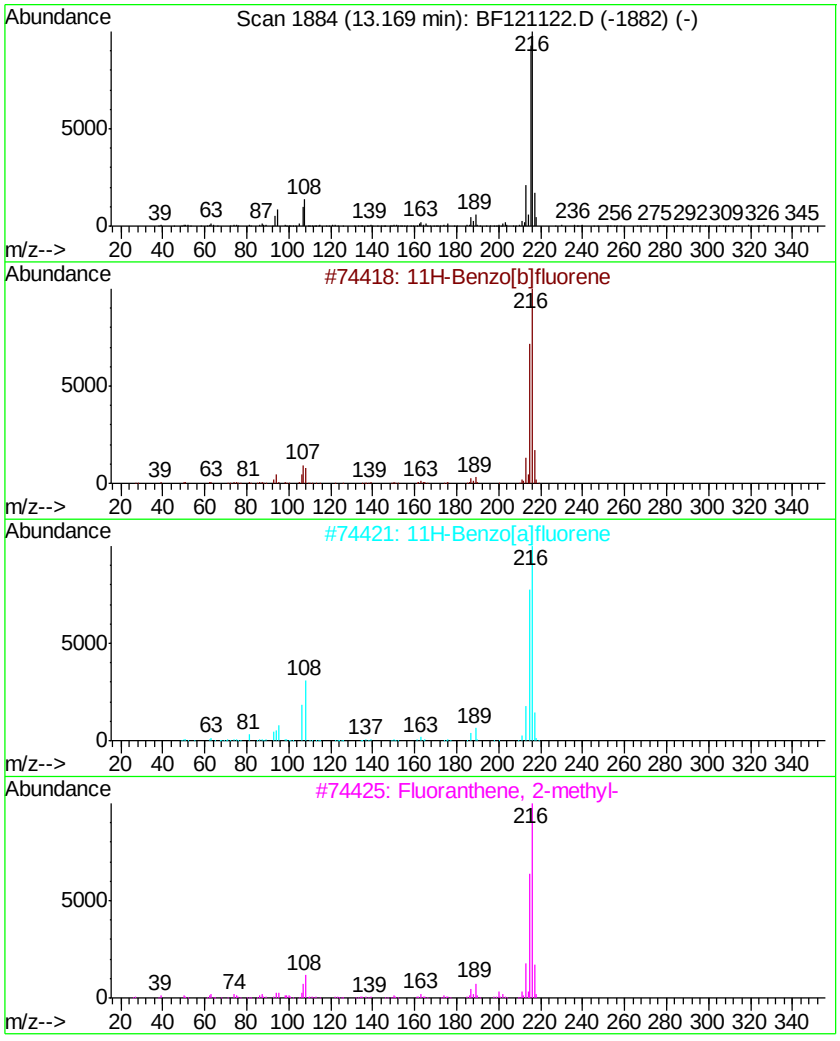
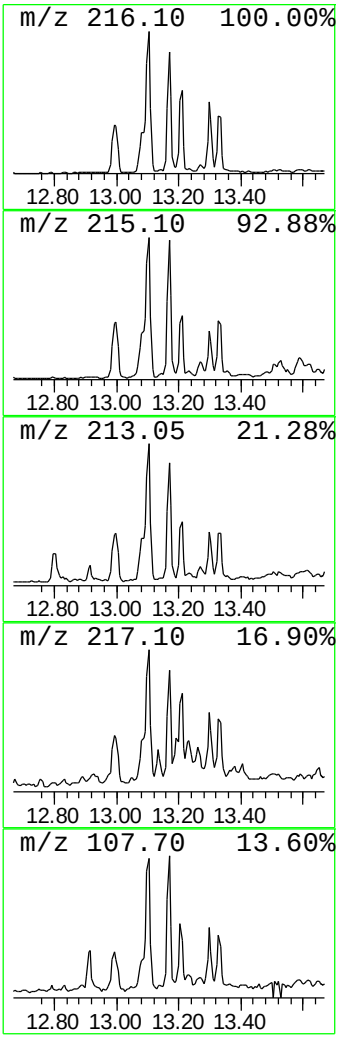
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.36 ng	267877	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	62
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60





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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
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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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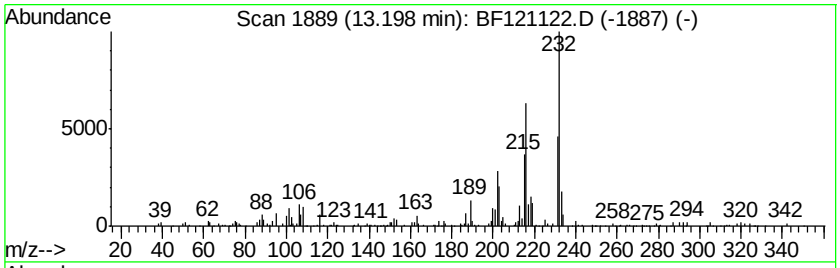
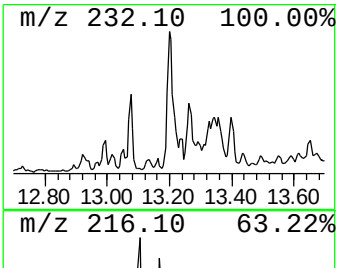
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.37 ng	269283	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





Tentatively Identified Compound (LSC) summary

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Data File : BF121122.D
Acq On : 30 Jul 2020 1:34
Operator : JU/CG
Sample : L3436-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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
5-Ethyldecane	10.76	3.0	ng	210424	4	11.33	1396400	20.0
Naphtho[1,2-b]thi...	11.23	3.1	ng	213537	4	11.33	1396400	20.0
Anthracene, 2-met...	11.83	3.7	ng	260426	4	11.33	1396400	20.0
Phenanthrene, 2-m...	11.86	5.0	ng	346140	4	11.33	1396400	20.0
1H-Cyclopropa[l]p...	11.91	2.5	ng	173103	4	11.33	1396400	20.0
4H-Cyclopenta[def...	11.95	8.6	ng	602247	4	11.33	1396400	20.0
1H-Indene, 1-phenyl-	11.97	2.8	ng	197661	4	11.33	1396400	20.0
Naphthalene, 2-ph...	12.13	2.8	ng	195496	4	11.33	1396400	20.0
9,10-Dimethylanth...	12.39	3.8	ng	262711	4	11.33	1396400	20.0
unknown12.42	12.42	5.5	ng	382023	4	11.33	1396400	20.0
Cyclopenta(def)ph...	12.47	2.5	ng	176612	4	11.33	1396400	20.0
Pyrene, 1-methyl-	12.99	2.4	ng	270050	5	13.97	2273060	20.0
11H-Benzo[b]fluorene	13.10	5.1	ng	576046	5	13.97	2273060	20.0
11H-Benzo[a]fluorene	13.17	2.4	ng	267877	5	13.97	2273060	20.0
Fluoranthene, 2-m...	13.20	2.4	ng	269283	5	13.97	2273060	20.0