LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
Data File : BF116127.D
Acq On : 9 Aug 2019 22:00
Operator : HP/JU
Sample : K3613-05 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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	3.893	302	307	323	rBV	344091	510473	11.23%	0.878%
2	5.463	572	574	600	rBV	278271	490967	10.80%	0.845%
3	6.475	743	746	766	rBV	376352	585594	12.88%	1.007%
4	6.610	766	769	785	rVB	604329	601846	13.24%	1.035%
5	6.839	804	808	822	rBV	745117	714674	15.72%	1.229%
6	6.992	831	834	851	rBV	486188	488366	10.75%	0.840%
7	7.398	900	903	925	rBV	210027	344728	7.58%	0.593%
8	8.116	1022	1025	1028	rBV	920662	877876	19.32%	1.510%
9	8.139	1028	1029	1043	rVB	289383	268929	5.92%	0.463%
10	8.833	1144	1147	1155	rBV	144196	159858	3.52%	0.275%
11	8.928	1160	1163	1177	rVB	150273	171331	3.77%	0.295%
12	9.186	1204	1207	1218	rBV	710118	722372	15.89%	1.243%
13	9.463	1249	1254	1262	rBV	65958	95904	2.11%	0.165%
14	9.533	1262	1266	1268	rBV	134886	145836	3.21%	0.251%
15	9.651	1282	1286	1293	rVB	66948	90963	2.00%	0.156%
16	9.733	1297	1300	1307	rVB	134094	118801	2.61%	0.204%
17	9.869	1317	1323	1326	rBV	1147415	1023423	22.52%	1.760%
18	9.904	1326	1329	1335	rVB	523881	470148	10.34%	0.809%
19	10.075	1354	1358	1362	rVV	288529	304173	6.69%	0.523%
20	10.116	1362	1365	1374	rVB	64825	80829	1.78%	0.139%
21	10.422	1413	1417	1422	rBV	386564	410363	9.03%	0.706%
22	10.486	1422	1428	1429	rBV	67191	93901	2.07%	0.162%
23	10.574	1441	1443	1447	rVB	144452	136518	3.00%	0.235%
24	10.663	1454	1458	1464	rBV	381659	492070	10.83%	0.846%
25	10.969	1502	1510	1513	rBV3	113307	174905	3.85%	0.301%
26	11.092	1526	1531	1533	rBV2	83686	105918	2.33%	0.182%
27	11.116	1533	1535	1537	rVV2	92955	86895	1.91%	0.149%
28	11.169	1541	1544	1548	rVV	343820	305549	6.72%	0.526%
29	11.216	1548	1552	1555	rVV2	137701	179084	3.94%	0.308%
30	11.257	1555	1559	1565	rVB	280095	279025	6.14%	0.480%
31	11.357	1572	1576	1578	rBV	909351	900282	19.81%	1.549%
32	11.386	1578	1581	1584	rVV	3875635	3840178	84.49%	6.606%
33	11.433	1584	1589	1593	rVV	1030078	1026045	22.58%	1.765%
34	11.474	1593	1596	1601	rVB2	82958	115273	2.54%	0.198%

LSC Area Percent Report

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Sample : K3613-05 5X
Misc :
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Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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

35	11.592	1612	1616	1623	rBV2	487902	626655	13.79%	1.078%
36	11.651	1623	1626	1628	rVV	100724	102674	2.26%	0.177%
37	11.704	1630	1635	1638	rVB3	81385	134884	2.97%	0.232%
38	11.769	1638	1646	1652	rVB4	62448	120504	2.65%	0.207%
39	11.857	1658	1661	1664	rVV	509544	487766	10.73%	0.839%
40	11.892	1664	1667	1671	rVB	690742	655803	14.43%	1.128%
41	11.939	1671	1675	1677	rBV	226388	208624	4.59%	0.359%
42	11.974	1677	1681	1683	rVV	736945	795295	17.50%	1.368%
43	11.992	1683	1684	1690	rVB	362346	299671	6.59%	0.515%
44	12.039	1690	1692	1695	rBV3	73643	84338	1.86%	0.145%
45	12.151	1708	1711	1714	rBV	397940	348043	7.66%	0.599%
46	12.186	1714	1717	1722	rVB	338019	337735	7.43%	0.581%
47	12.304	1732	1737	1740	rBV	127176	151773	3.34%	0.261%
48	12.333	1740	1742	1744	rVV	115603	94181	2.07%	0.162%
49	12.363	1744	1747	1750	rVB	86579	85549	1.88%	0.147%
50	12.410	1751	1755	1758	rBV	270108	286475	6.30%	0.493%
51	12.451	1758	1762	1764	rVV4	164386	229166	5.04%	0.394%
52	12.504	1767	1771	1775	rBV2	307472	325264	7.16%	0.559%
53	12.580	1779	1784	1787	rBV	4114668	4381244	96.40%	7.536%
54	12.639	1792	1794	1797	rVB	146641	117134	2.58%	0.201%
55	12.721	1804	1808	1811	rVV3	208440	228559	5.03%	0.393%
56	12.810	1816	1823	1826	rBV2	3606442	4544889	100.00%	7.818%
57	12.851	1828	1830	1835	rVB2	234918	254779	5.61%	0.438%
58	12.933	1835	1844	1847	rBV2	649662	921759	20.28%	1.586%
59	12.968	1847	1850	1854	rVB	264546	274818	6.05%	0.473%
60	13.021	1854	1859	1863	rBV3	291458	525318	11.56%	0.904%
61	13.110	1870	1874	1875	rBV2	260220	317760	6.99%	0.547%
62	13.127	1875	1877	1881	rVB	453105	451573	9.94%	0.777%
63	13.198	1886	1889	1891	rBV	219776	198729	4.37%	0.342%
64	13.233	1891	1895	1902	rVB3	432120	594481	13.08%	1.023%
65	13.292	1902	1905	1908	rVB	99312	90734	2.00%	0.156%
66	13.327	1908	1911	1914	rBV	243899	228593	5.03%	0.393%
67	13.357	1914	1916	1920	rBV3	220359	230582	5.07%	0.397%
68	13.557	1947	1950	1952	rVB	112240	106207	2.34%	0.183%
69	13.645	1962	1965	1969	rBV	602698	527121	11.60%	0.907%
70	13.751	1979	1983	1985	rBV	572459	552169	12.15%	0.950%
71	13.774	1985	1987	1990	rVV	408353	313270	6.89%	0.539%

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Sample : K3613-05 5X
Misc :
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Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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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Peak separation: 5

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

72	13.804	1990	1992	1998	rVV3	300466	455629	10.03%	0.784%
73	13.857	1998	2001	2007	rVB	572036	570433	12.55%	0.981%
74	13.921	2008	2012	2018	rVB	126770	180142	3.96%	0.310%
75	13.998	2018	2025	2028	rBV2	2508261	3856027	84.84%	6.633%
76	14.033	2028	2031	2034	rVB	2235157	1983787	43.65%	3.412%
77	14.110	2041	2044	2047	rVB	364832	293655	6.46%	0.505%
78	14.162	2049	2053	2054	rVV3	98055	134170	2.95%	0.231%
79	14.192	2056	2058	2061	rVV2	166597	170789	3.76%	0.294%
80	14.227	2061	2064	2068	rVB2	258242	320868	7.06%	0.552%
81	14.268	2068	2071	2073	rBV3	75948	72561	1.60%	0.125%
82	14.351	2082	2085	2087	rBV2	200175	178855	3.94%	0.308%
83	14.386	2088	2091	2094	rVB	390646	388817	8.56%	0.669%
84	14.421	2094	2097	2099	rBV2	187019	142780	3.14%	0.246%
85	14.515	2110	2113	2115	rBV	215841	212778	4.68%	0.366%
86	14.710	2143	2146	2152	rBV4	194833	285899	6.29%	0.492%
87	14.886	2173	2176	2182	rBV	281671	354498	7.80%	0.610%
88	15.051	2198	2204	2207	rBV	1934653	3260283	71.74%	5.608%
89	15.157	2218	2222	2226	rBV	367067	419204	9.22%	0.721%
90	15.239	2233	2236	2237	rBV2	121400	129651	2.85%	0.223%
91	15.351	2250	2255	2261	rVB	1059644	1461452	32.16%	2.514%
92	15.415	2261	2266	2270	rBV	1589336	1939879	42.68%	3.337%
93	15.474	2271	2276	2278	rVV	668583	848369	18.67%	1.459%
94	15.504	2278	2281	2287	rVB2	485124	644823	14.19%	1.109%
95	15.892	2343	2347	2354	rBV3	94018	210551	4.63%	0.362%
96	16.945	2520	2526	2534	rBV	680546	1280992	28.19%	2.203%
97	17.109	2550	2554	2559	rBV	128131	241938	5.32%	0.416%
98	17.168	2562	2564	2572	rVB2	111404	195959	4.31%	0.337%
99	17.392	2596	2602	2614	rVB	436946	969565	21.33%	1.668%
100	17.639	2640	2644	2656	rVB2	111436	283643	6.24%	0.488%

Sum of corrected areas: 58135213

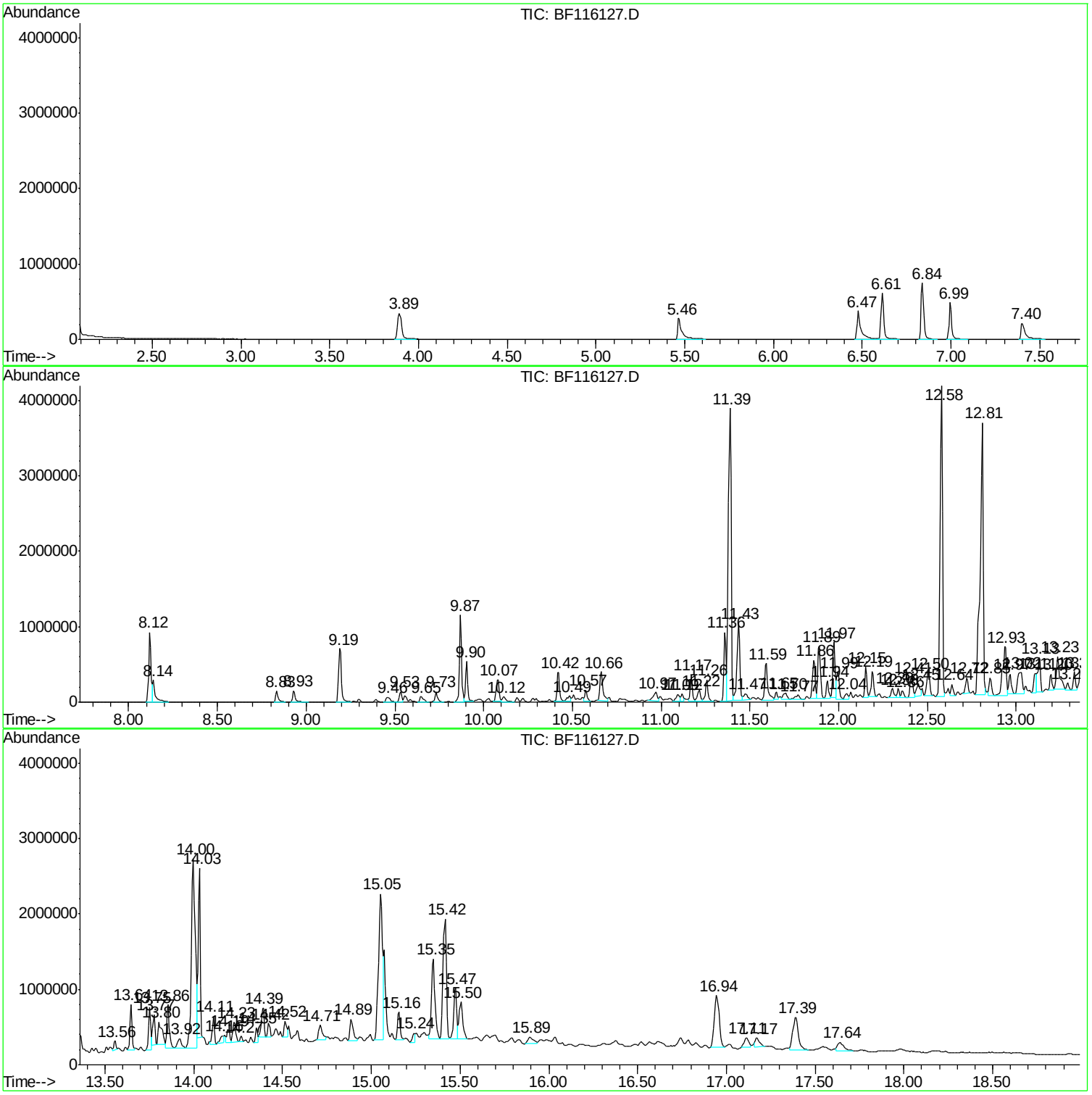
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
Data File : BF116127.D
Acq On : 9 Aug 2019 22:00
Operator : HP/JU
Sample : K3613-05 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PILE

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
Data File : BF116127.D
Acq On : 9 Aug 2019 22:00
Operator : HP/JU
Sample : K3613-05 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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

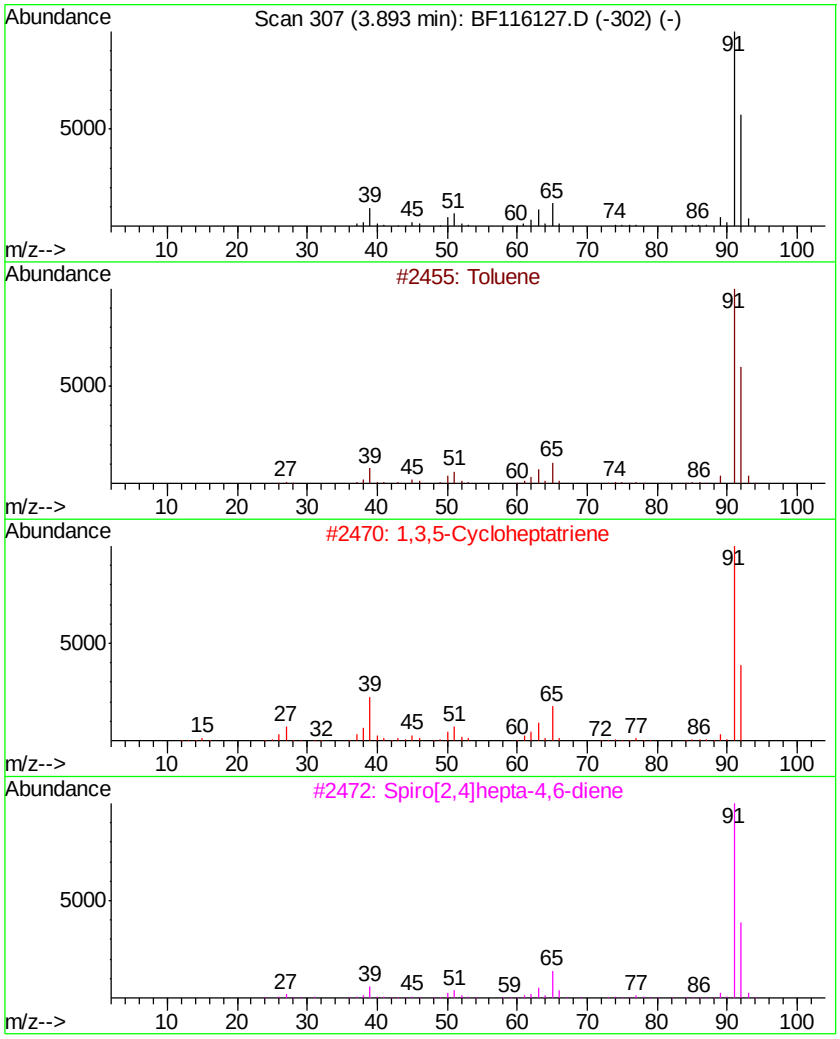
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

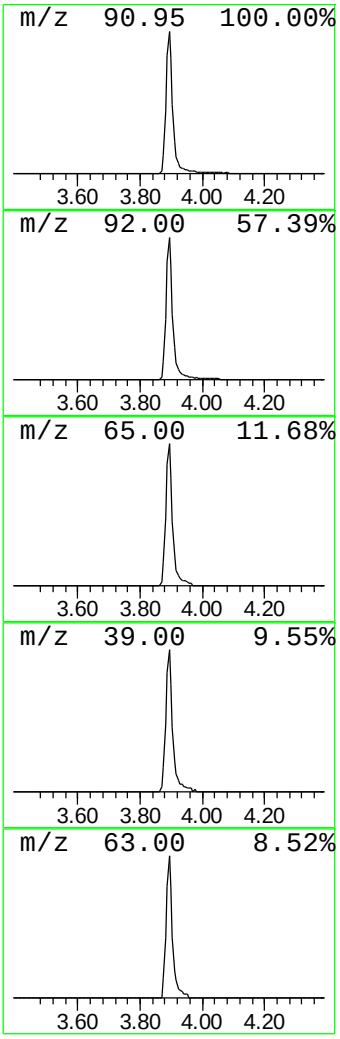
****

Peak Number 1 1,3,5-Cycloheptatriene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.89	14.29 ng	510473	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	95
2	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	90
3	Spiro[2,4]hepta-4,6-diene	92	C7H8	000765-46-8	74
4	Cyclobutene, 2-propenylidene-	92	C7H8	052097-85-5	64
5	2,5-Norbornadiene	92	C7H8	000121-46-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

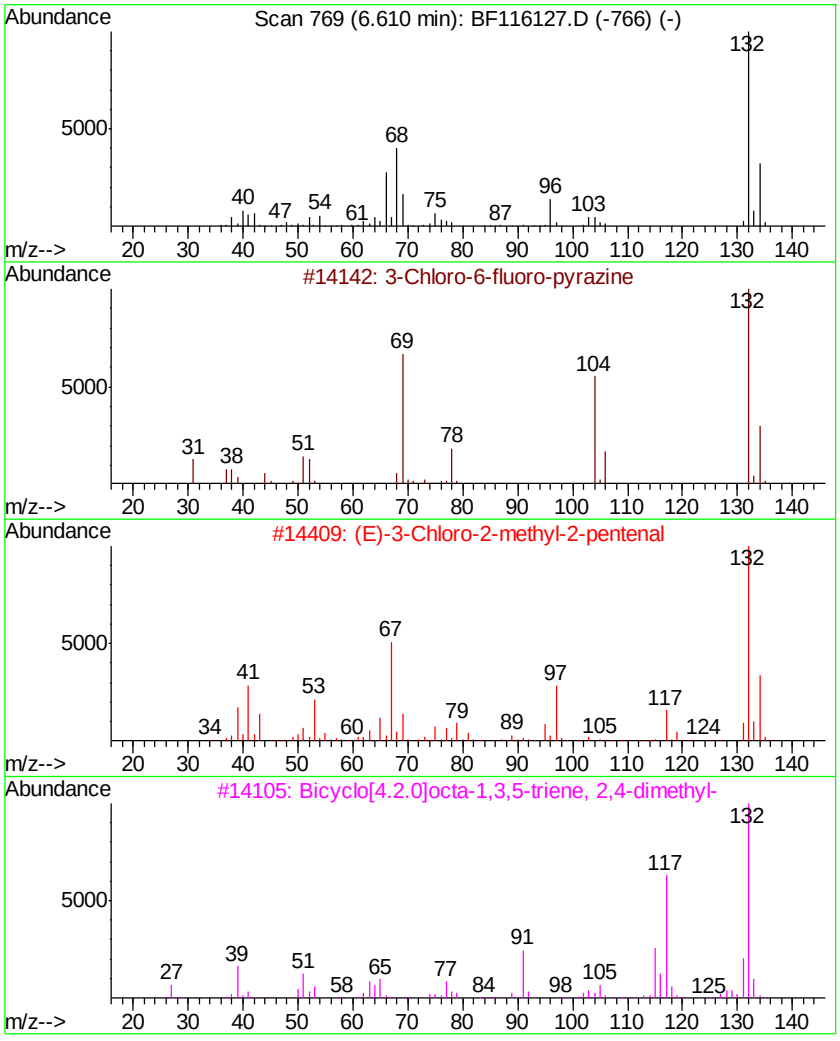
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

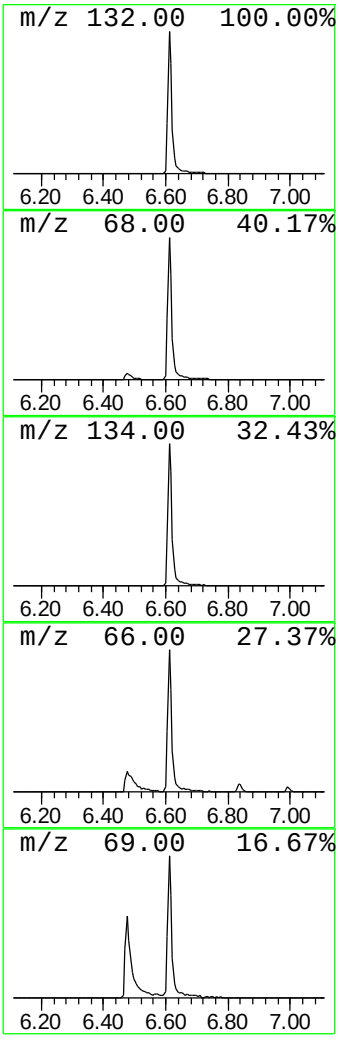
****

Peak Number 2 unknown6.61 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	16.84 ng	601846	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Xenon	132	Xe	007440-63-3	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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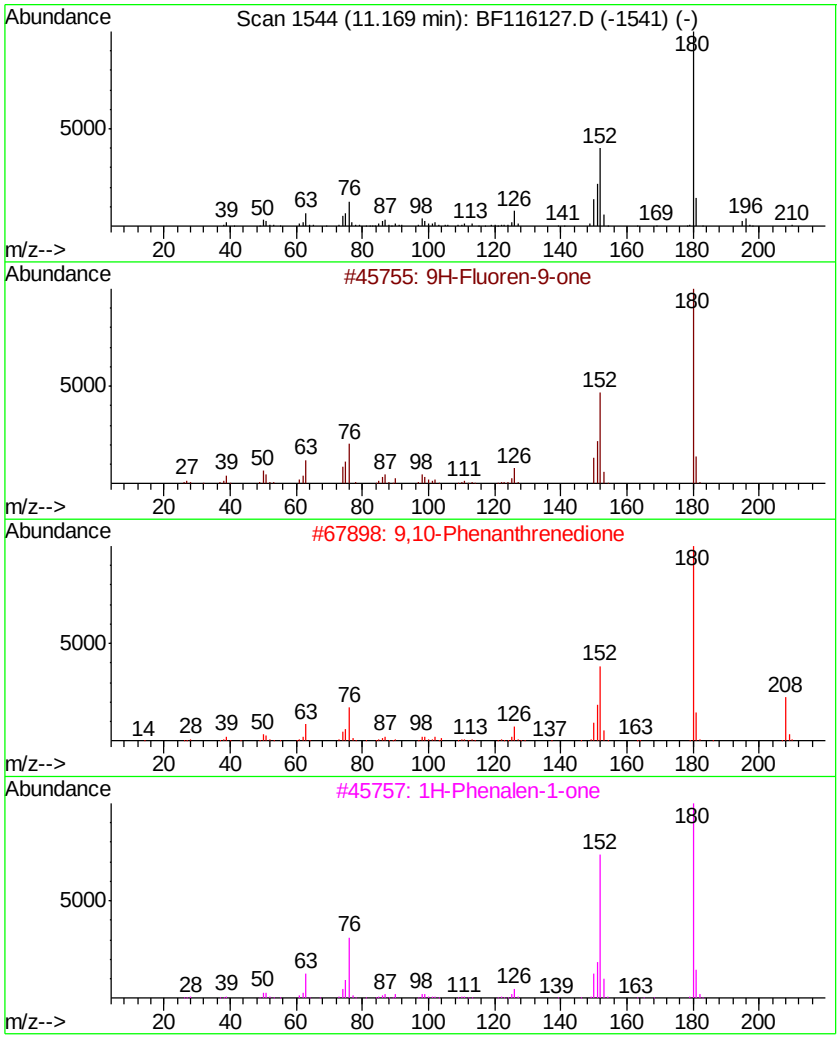
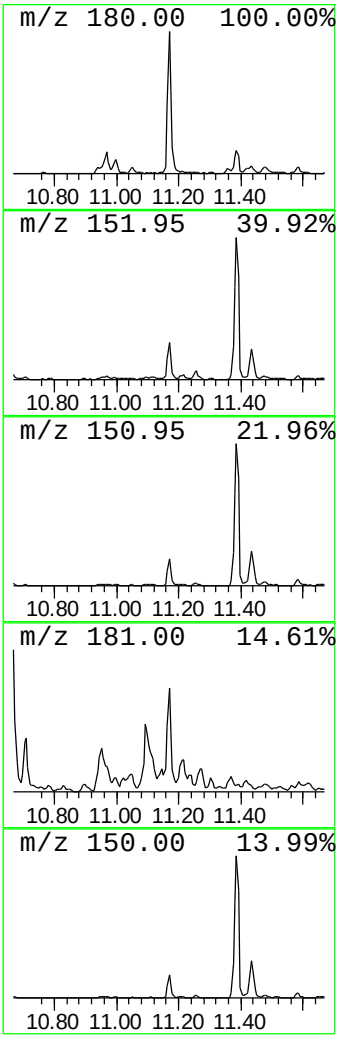
Peak Number 4 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	6.79 ng	305549	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4	2-Benzothiophen-4(5H)-one, 6,7-d...	180	C10H12OS	1000338-11-9	50
5	1,7-Phenanthroline	180	C12H8N2	000230-46-6	43





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Misc :
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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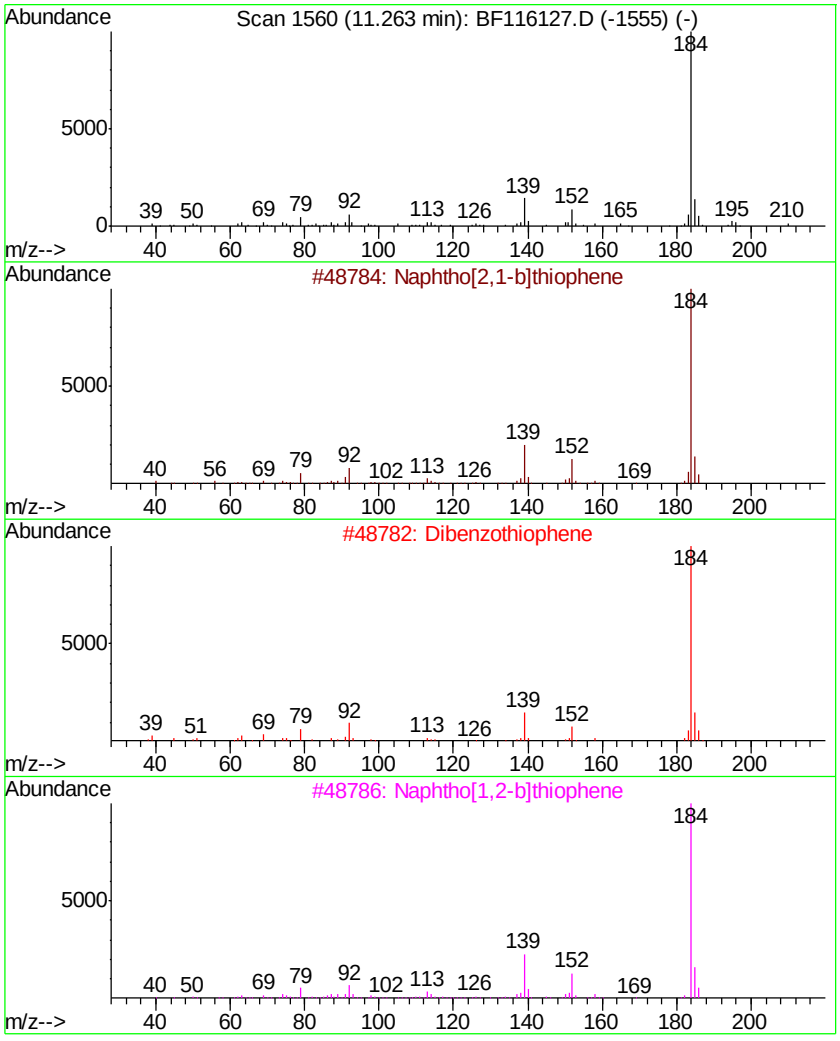
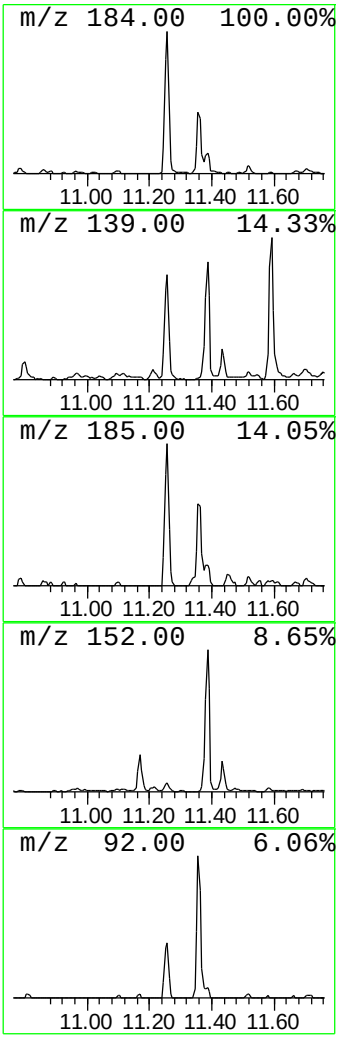
Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	6.20 ng	279025	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
Data File : BF116127.D
Acq On : 9 Aug 2019 22:00
Operator : HP/JU
Sample : K3613-05 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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

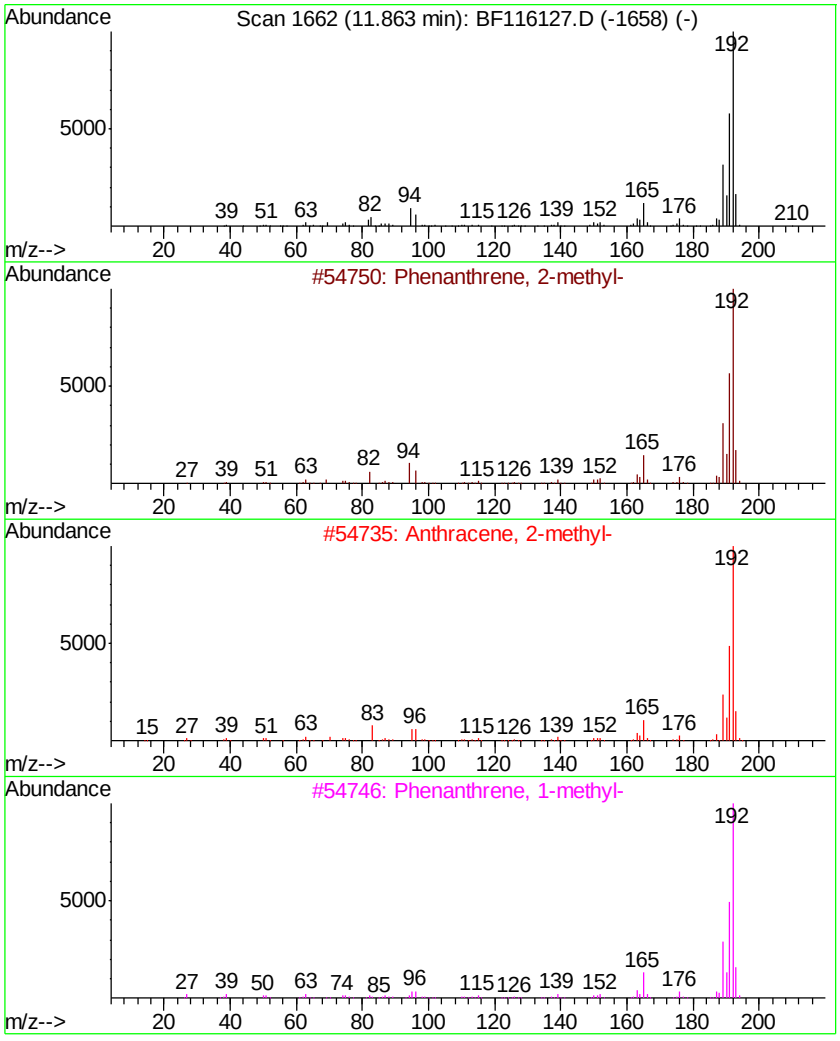
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

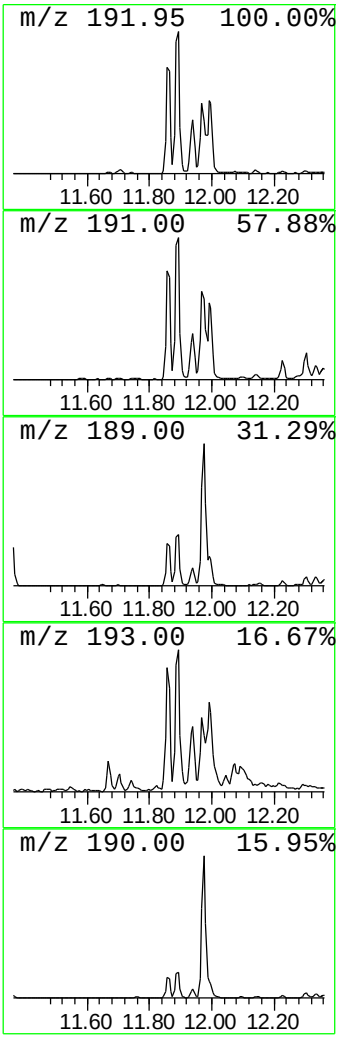
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	10.84 ng	487766	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Operator : HP/JU
Sample : K3613-05 5X
Misc :
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Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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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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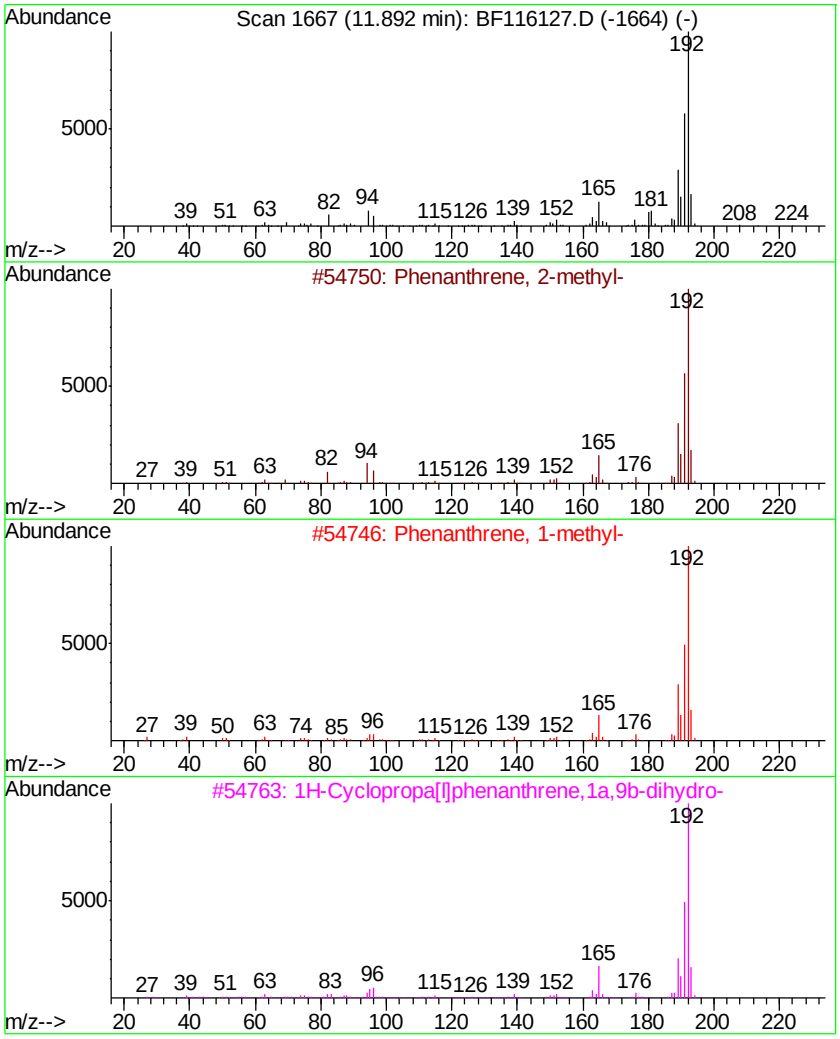
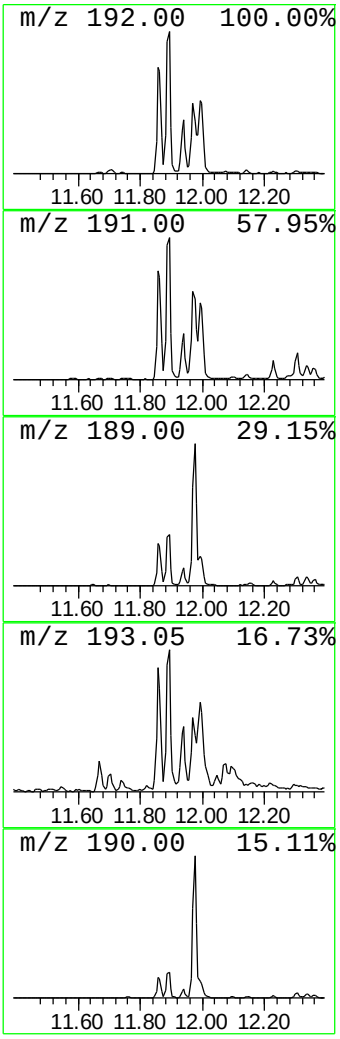
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	14.57 ng	655803	Phenanthrene-d10	11.36

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Misc :
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Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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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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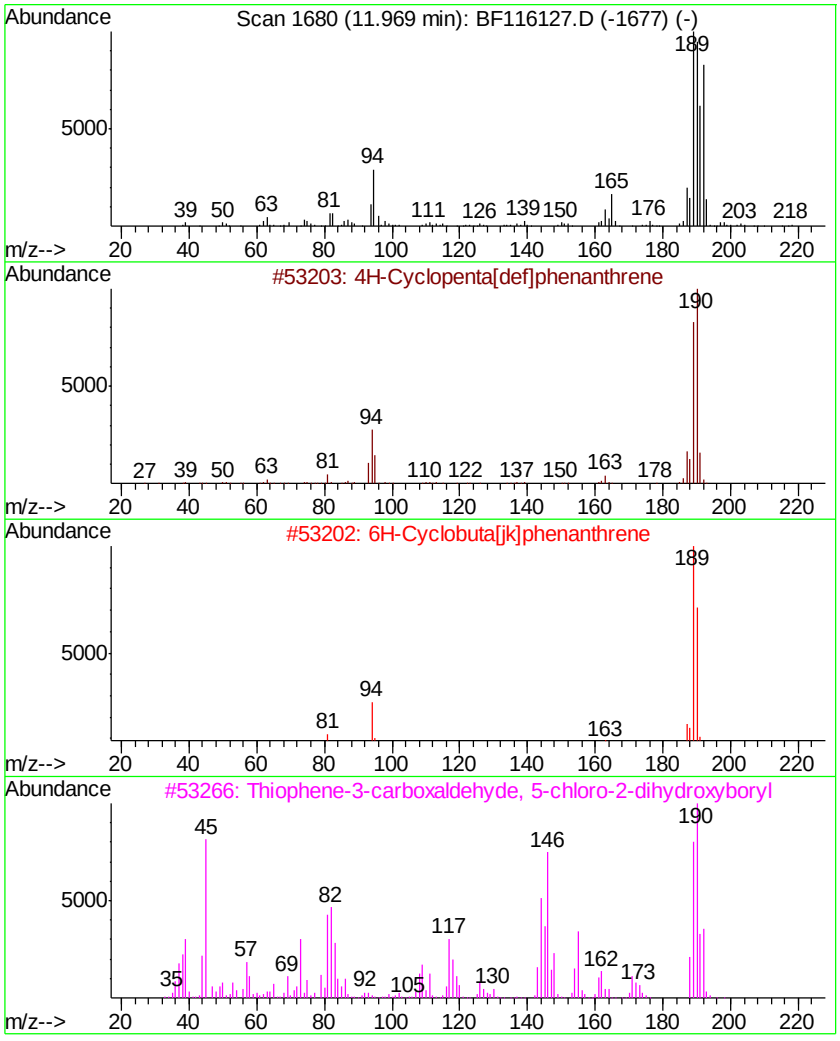
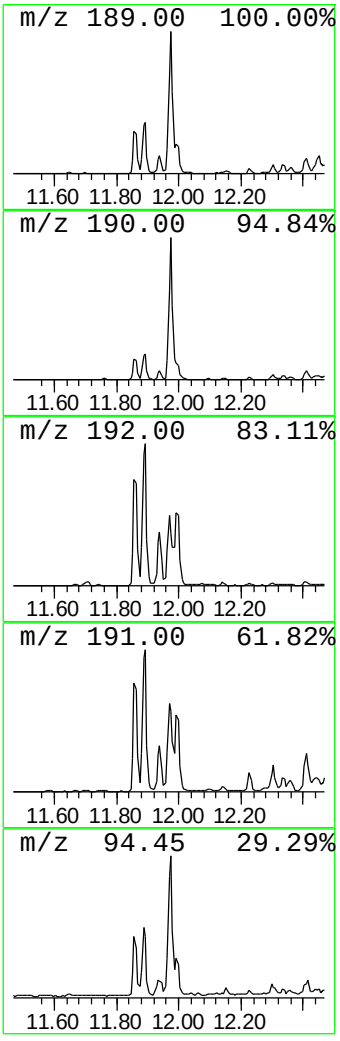
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	17.67 ng	795295	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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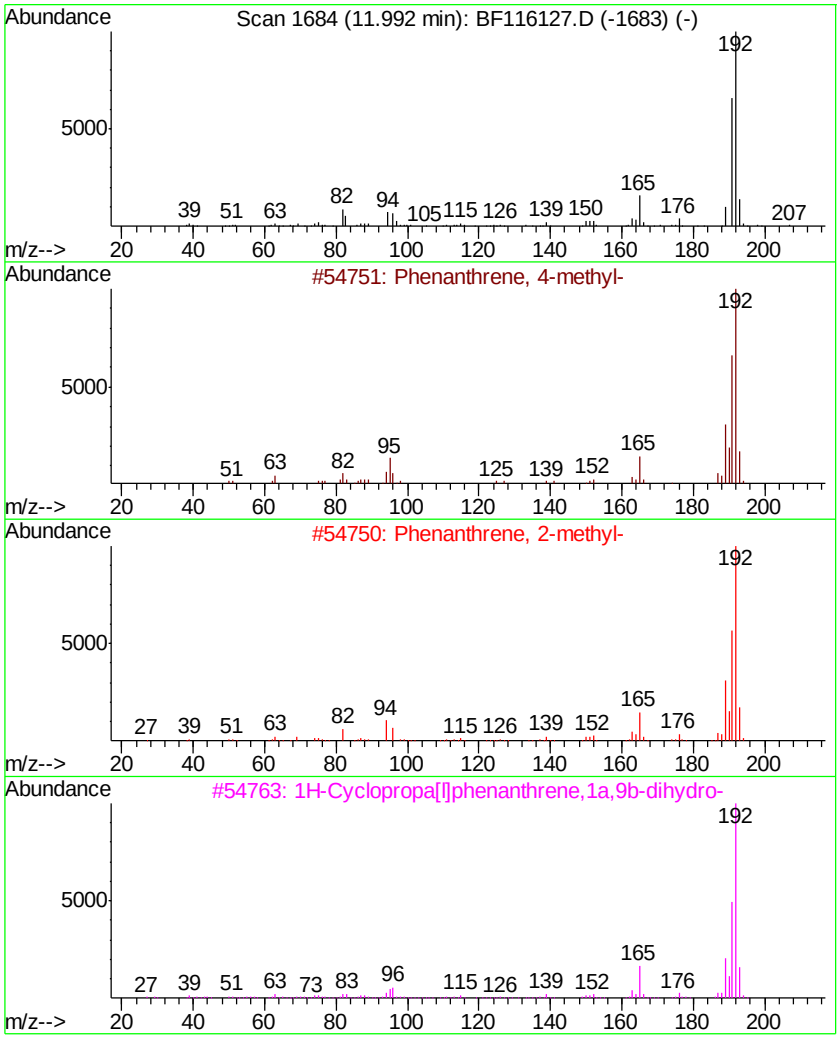
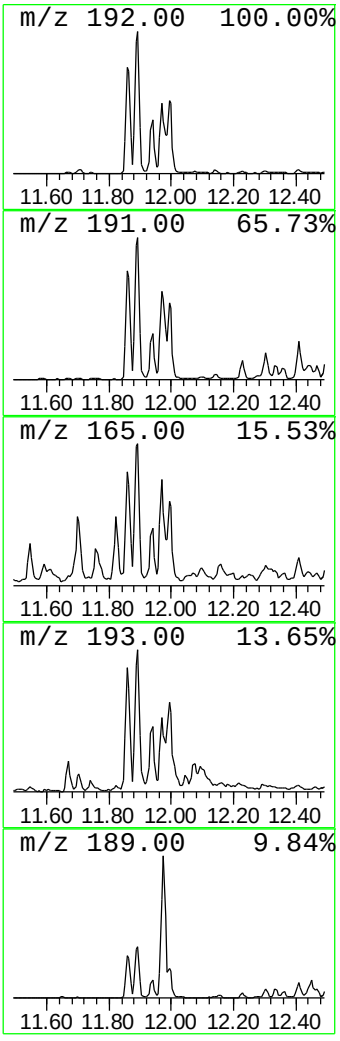
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	6.66 ng	299671	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Misc :
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Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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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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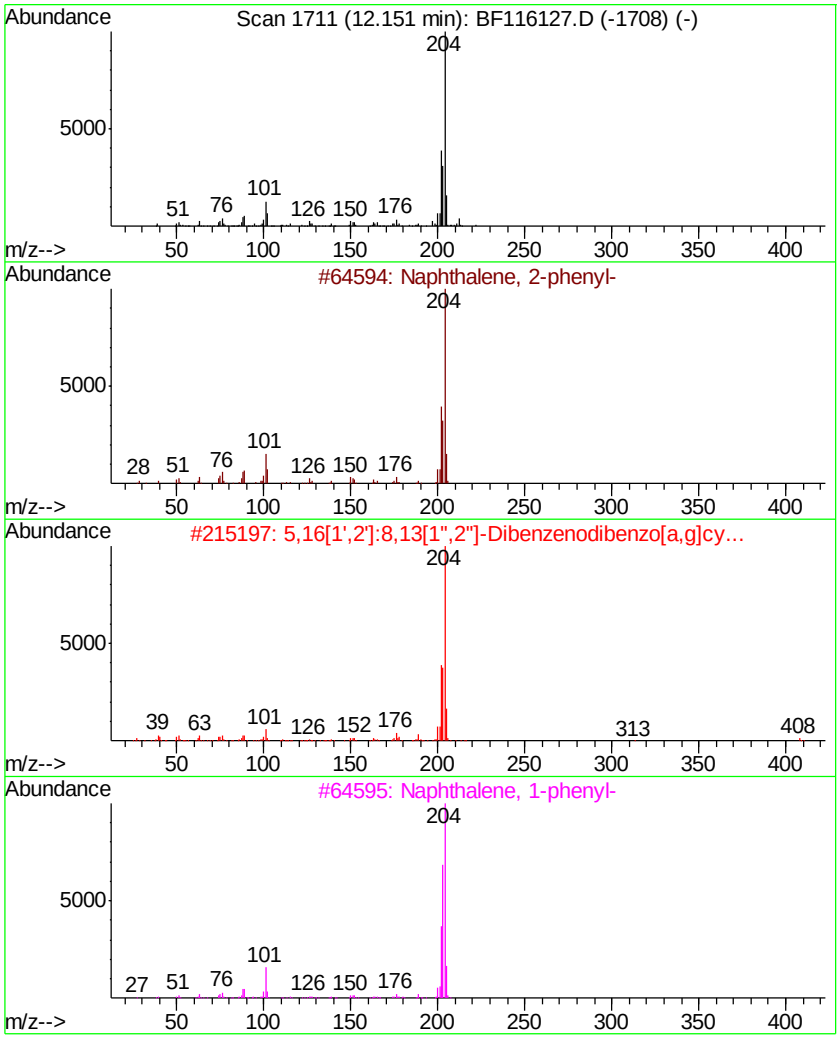
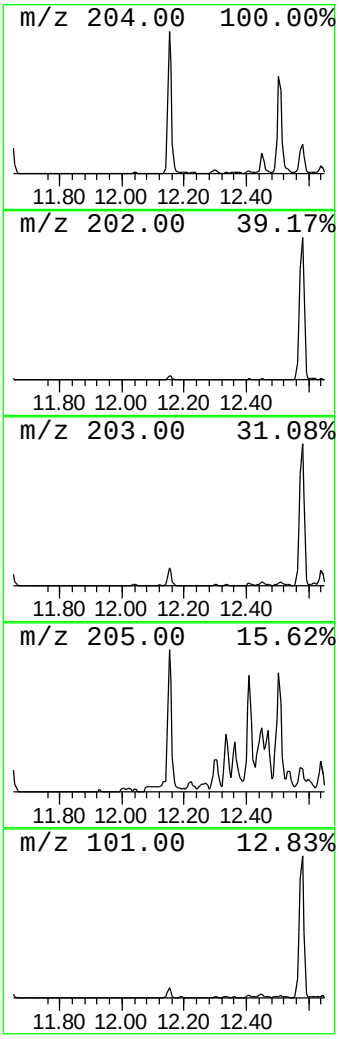
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	7.73 ng	348043	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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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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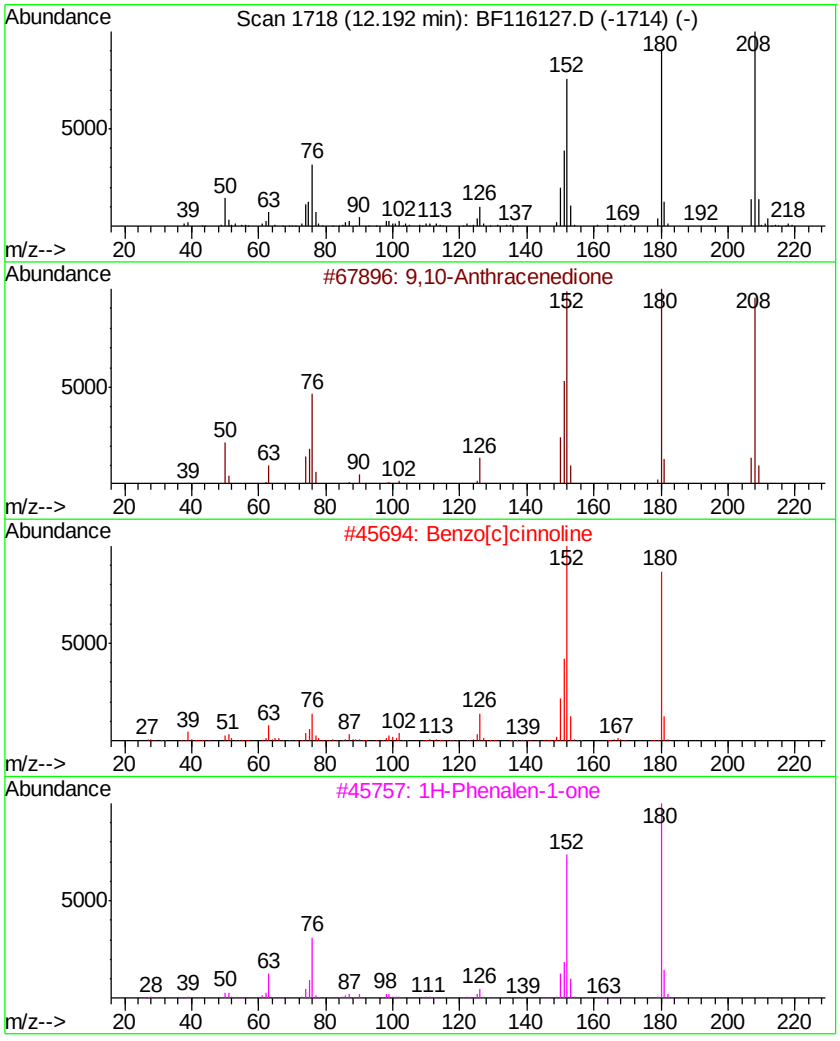
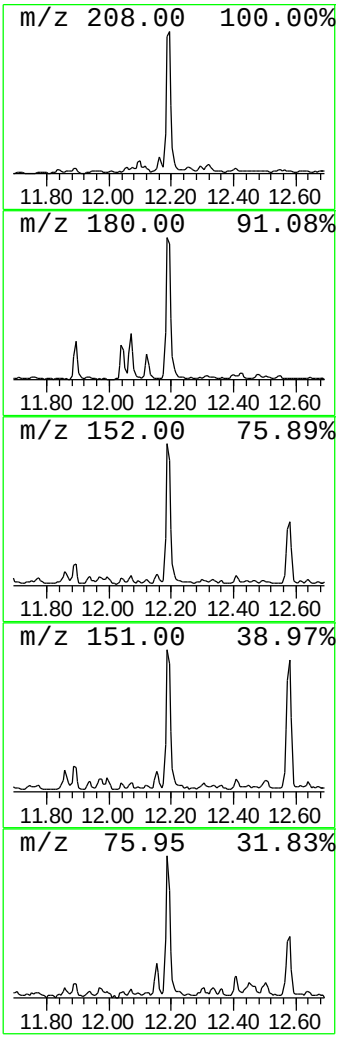
Peak Number 11 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	7.50 ng	337735	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	49
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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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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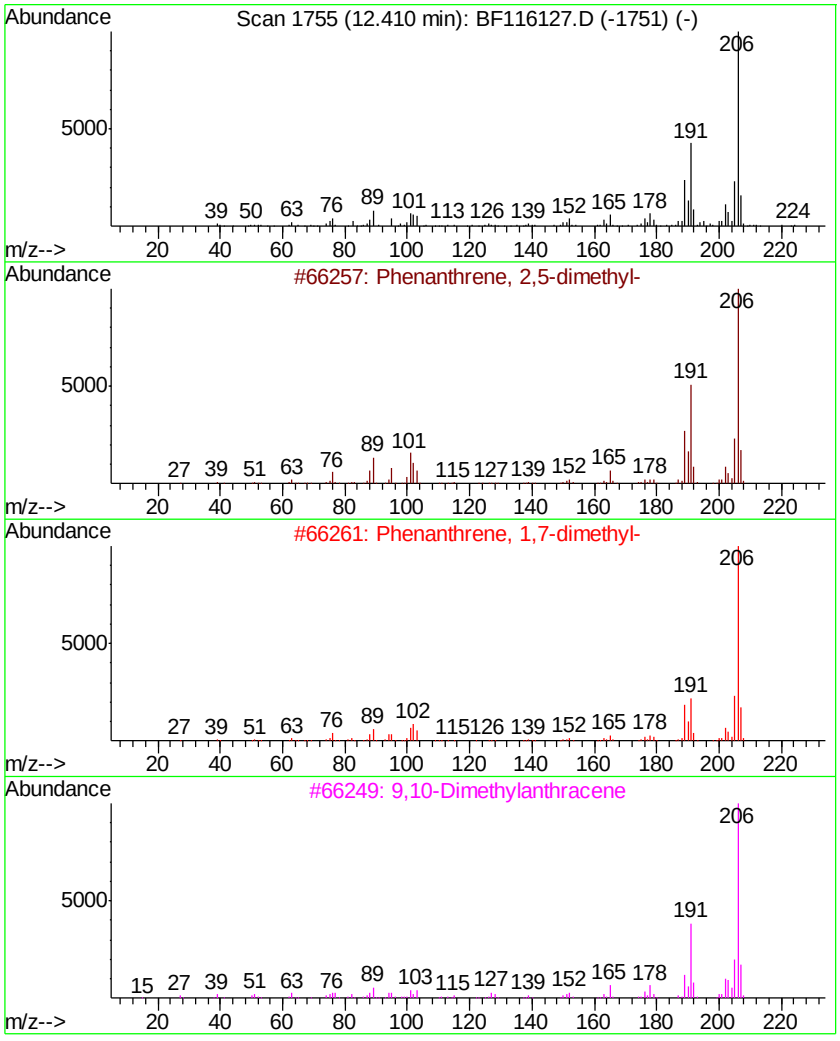
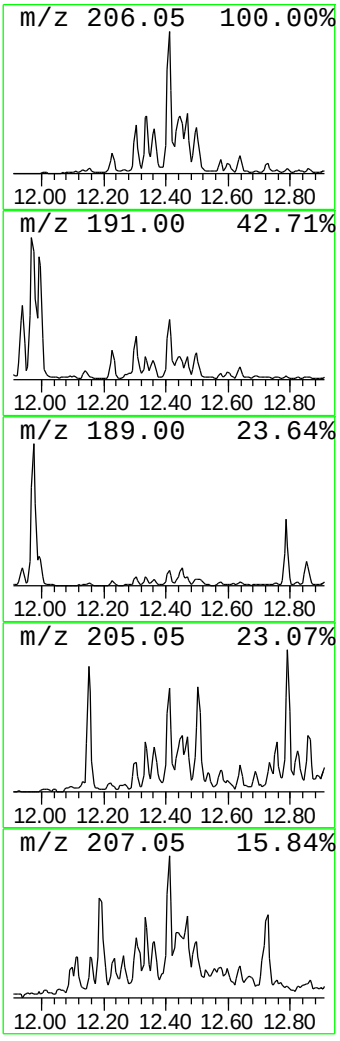
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	6.36 ng	286475	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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Operator : HP/JU
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Misc :
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Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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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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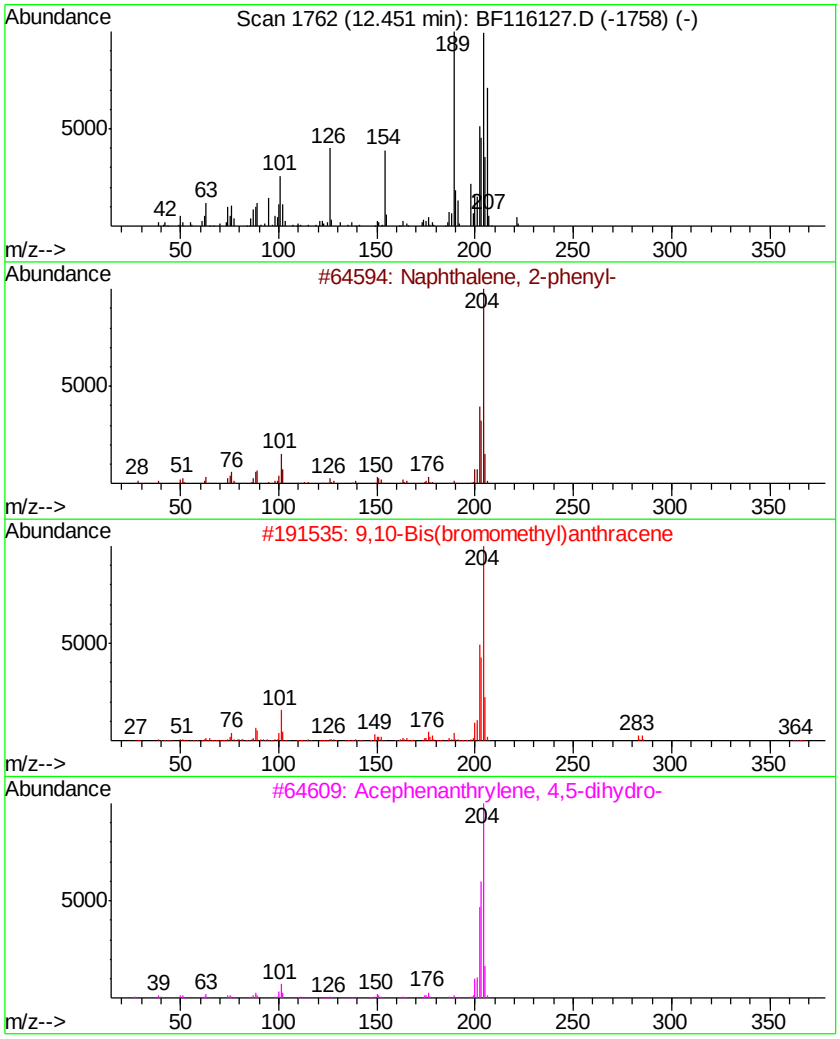
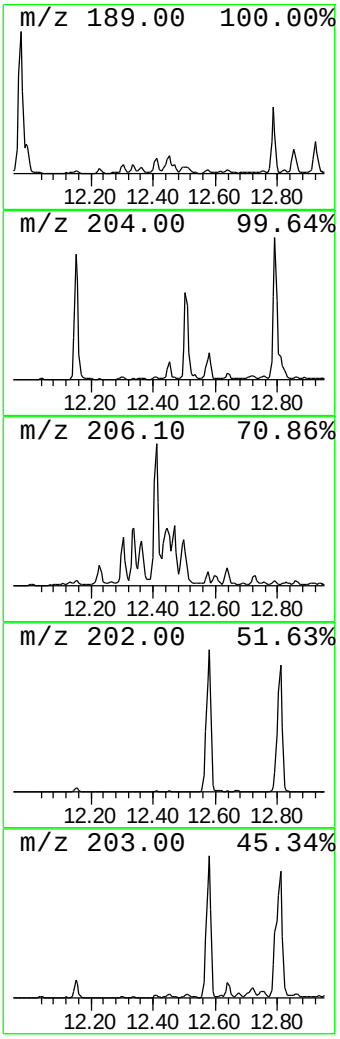
Peak Number 13 unknown12.45 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	5.09 ng	229166	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	25





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Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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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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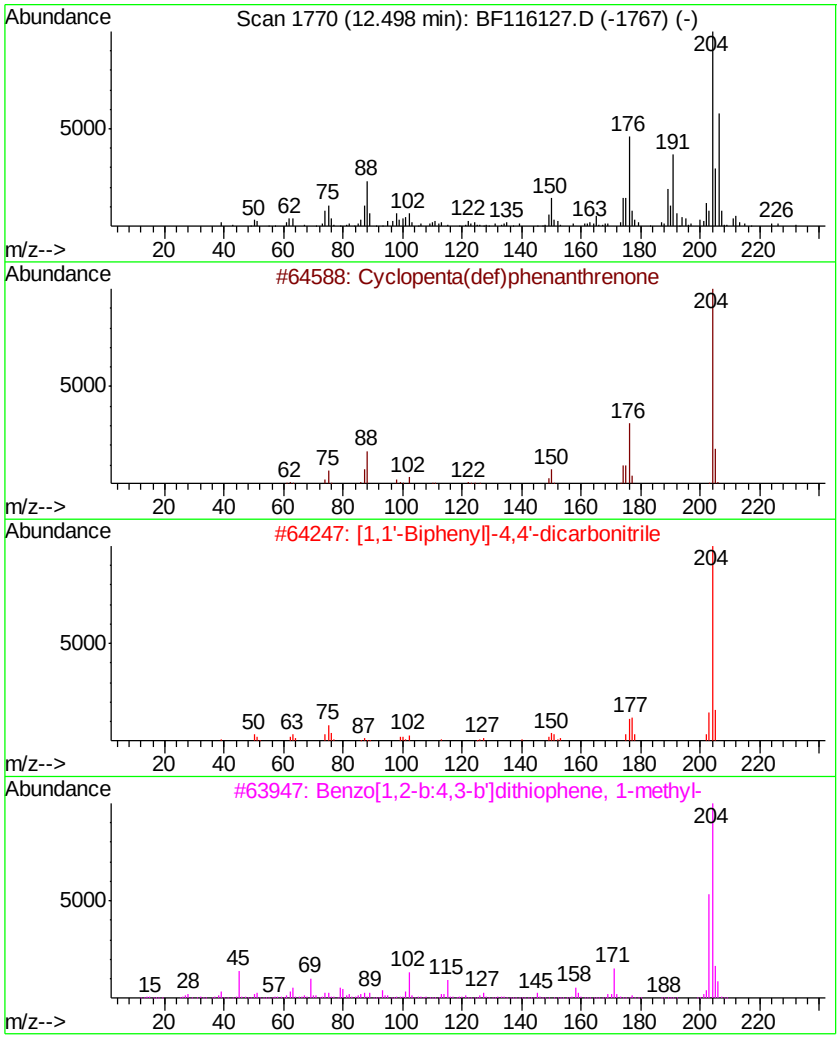
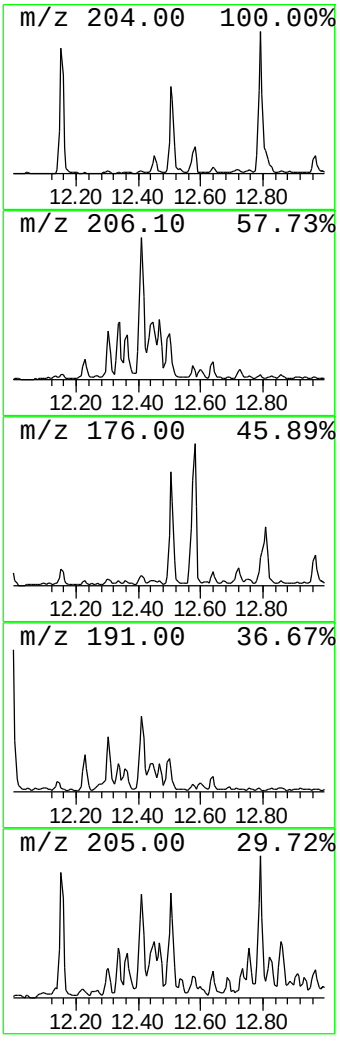
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	7.23 ng	325264	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	45
5	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	40





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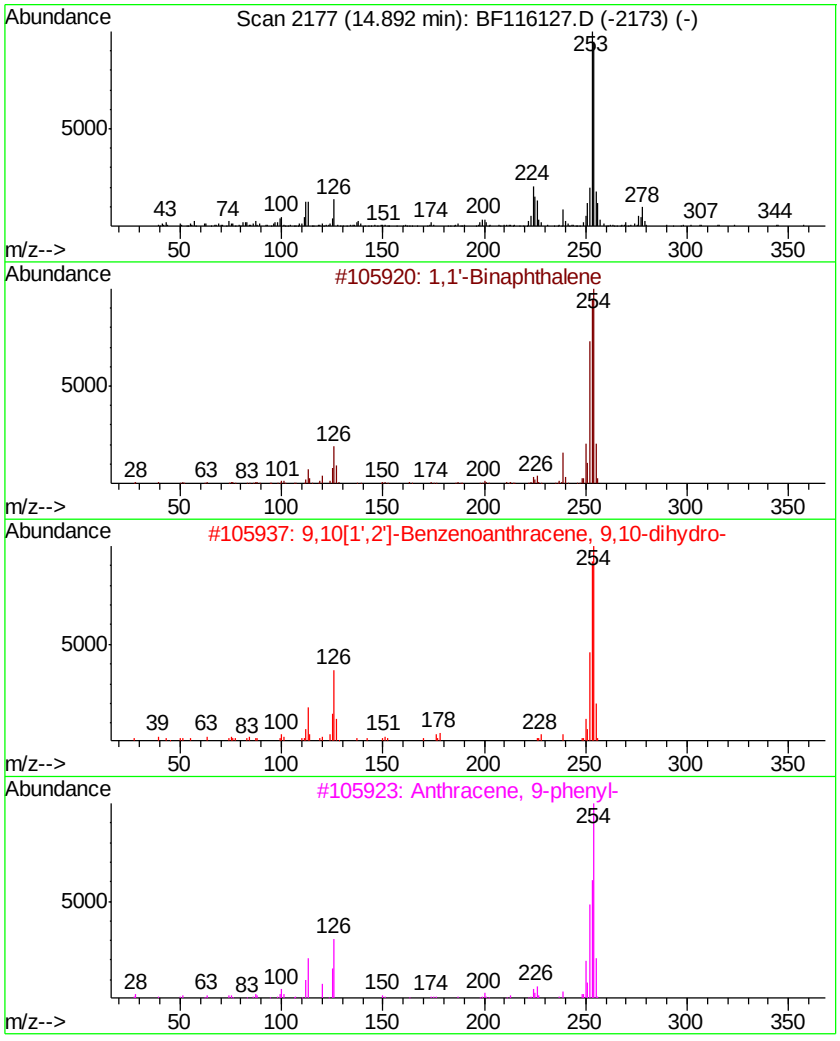
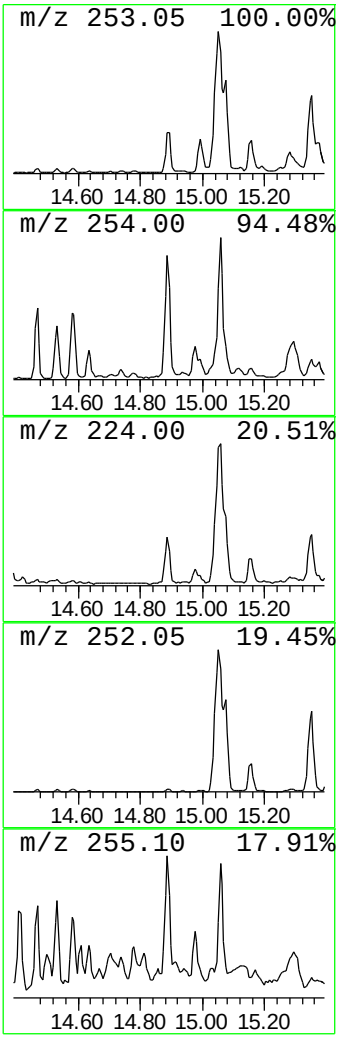
Peak Number 15 1,1'-Binaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	8.36 ng	354498	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	76
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	76
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	74
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	72
5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	72





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ClientSampleId : WILDWOOD-AVE-PILE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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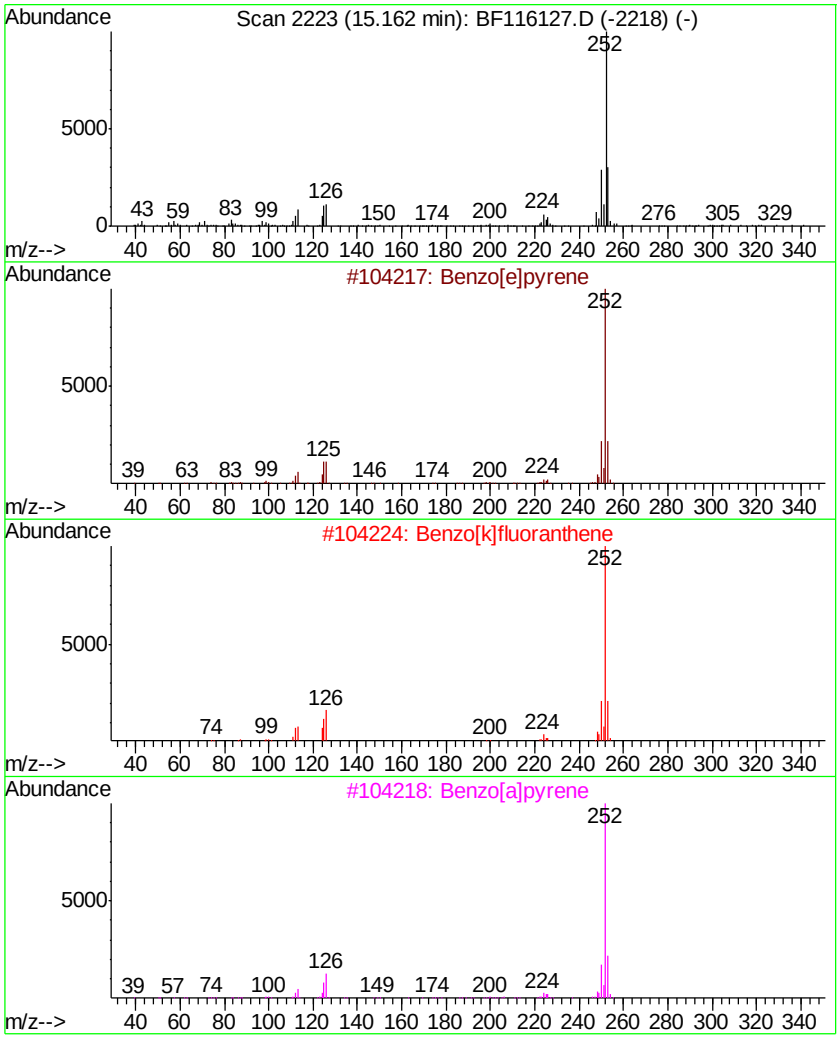
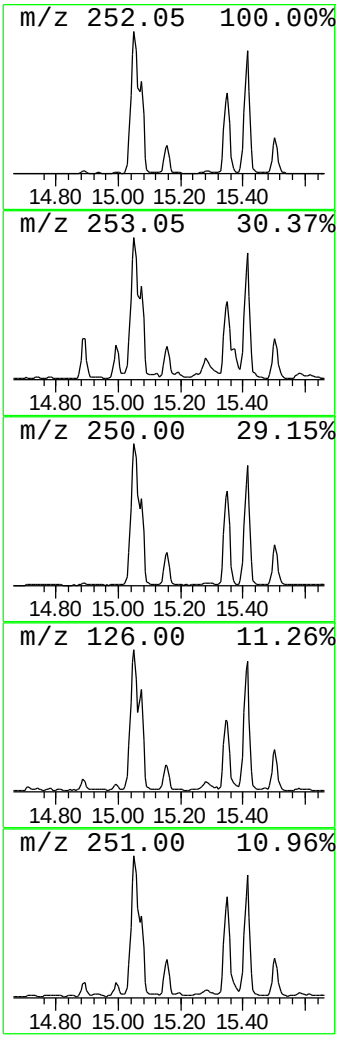
Peak Number 16 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	9.88 ng	419204	Perylene-d12	15.47

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	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	87





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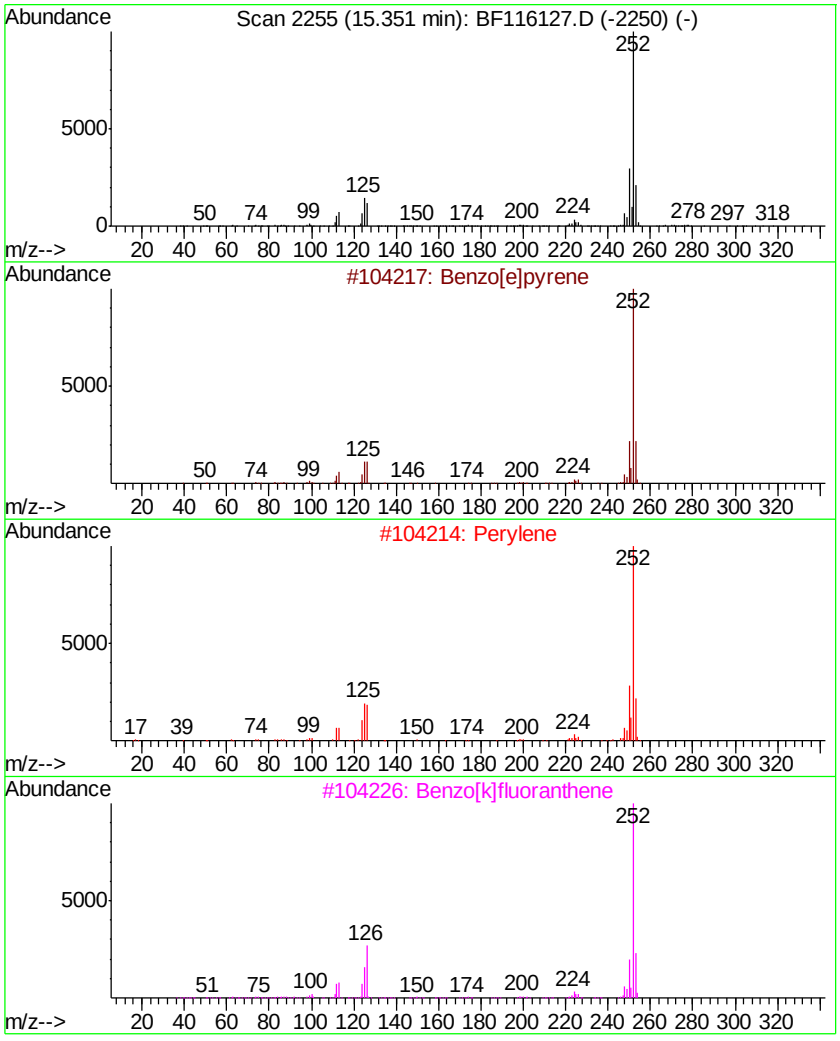
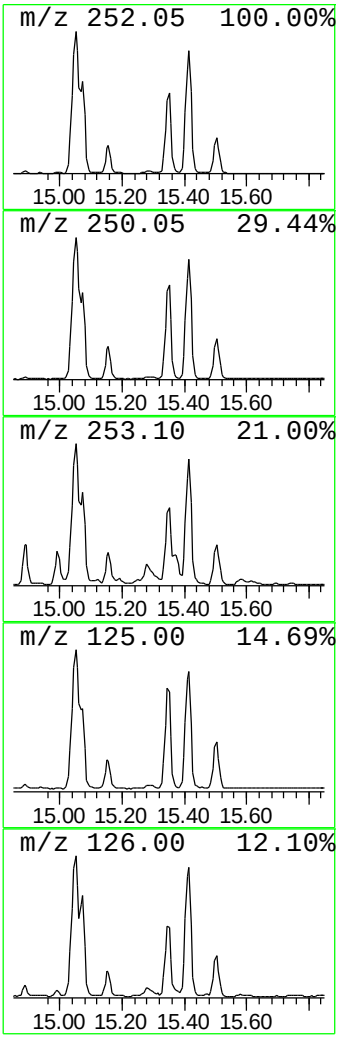
Peak Number 17 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	34.45 ng	1461450	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
Data File : BF116127.D
Acq On : 9 Aug 2019 22:00
Operator : HP/JU
Sample : K3613-05 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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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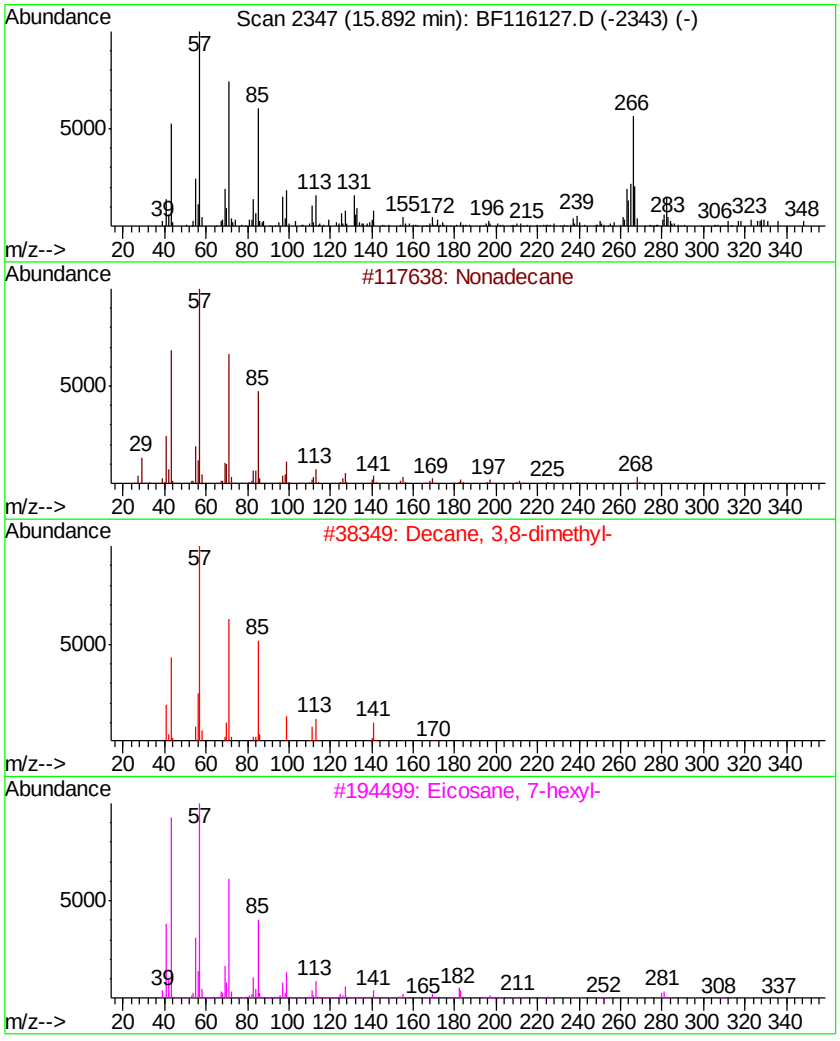
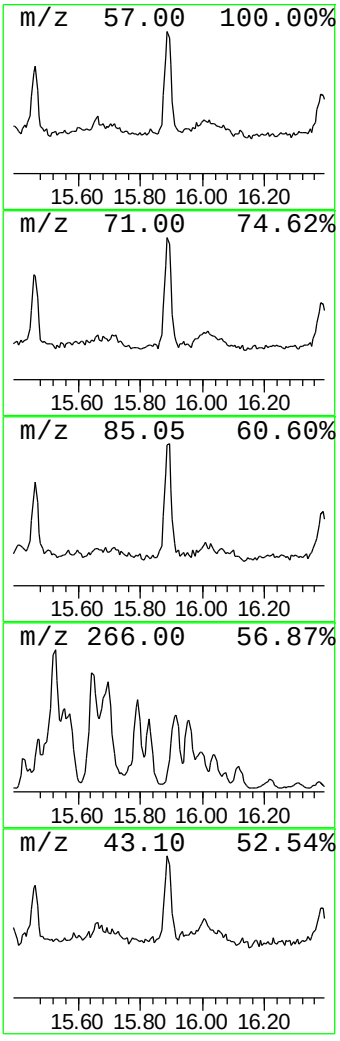
Peak Number 18 unknown15.89 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	4.96 ng	210551	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	46
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	46
3	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	45
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	41
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
Data File : BF116127.D
Acq On : 9 Aug 2019 22:00
Operator : HP/JU
Sample : K3613-05 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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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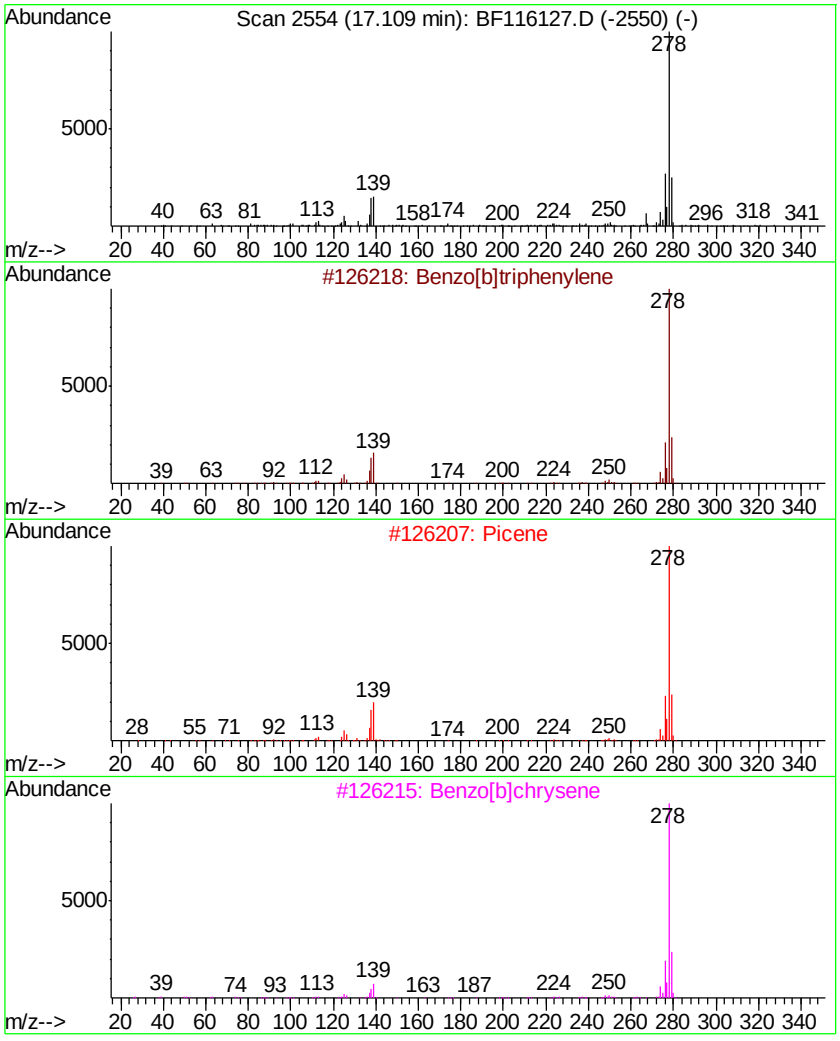
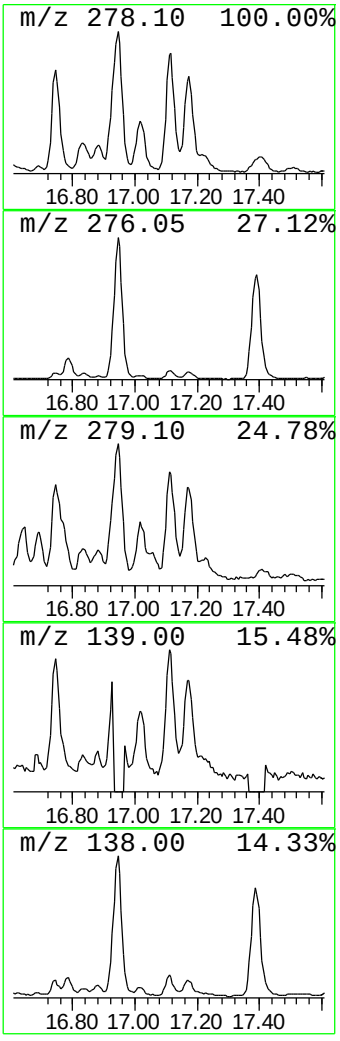
Peak Number 19 Benzo[b]triphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	5.70 ng	241938	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	98
3	Benzo[b]chrysene	278	C22H14	000214-17-5	97
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
5	Pentaphene	278	C22H14	000222-93-5	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
Data File : BF116127.D
Acq On : 9 Aug 2019 22:00
Operator : HP/JU
Sample : K3613-05 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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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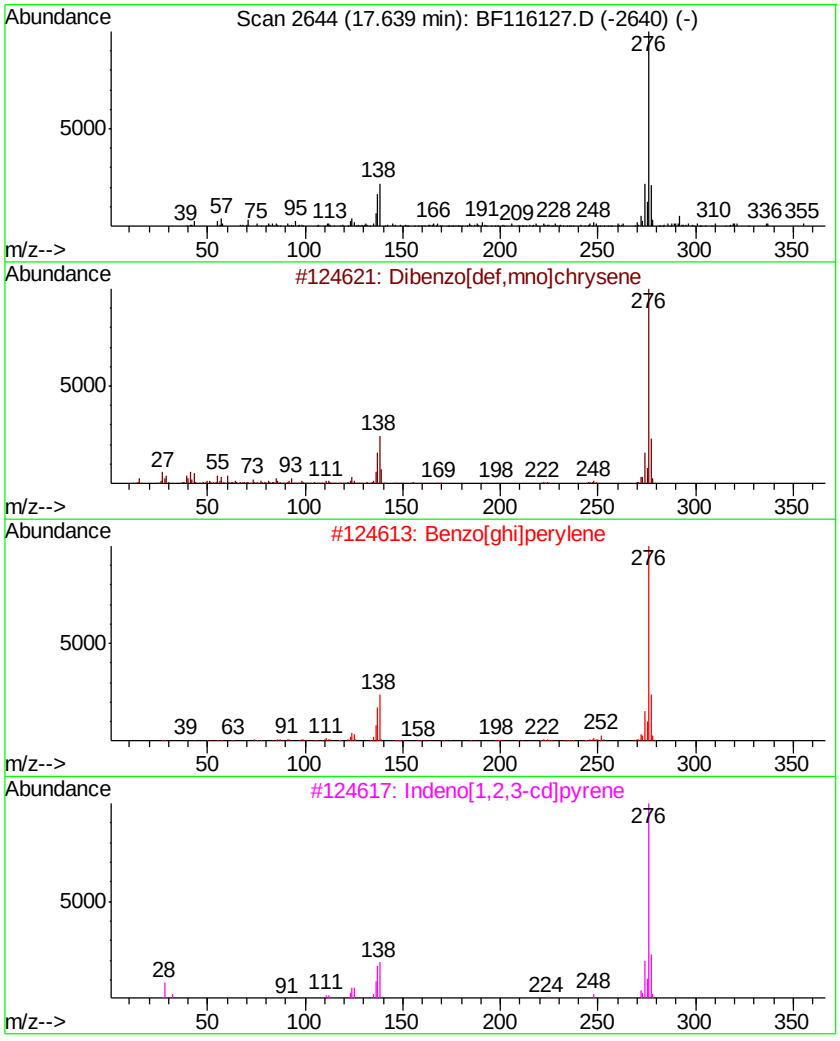
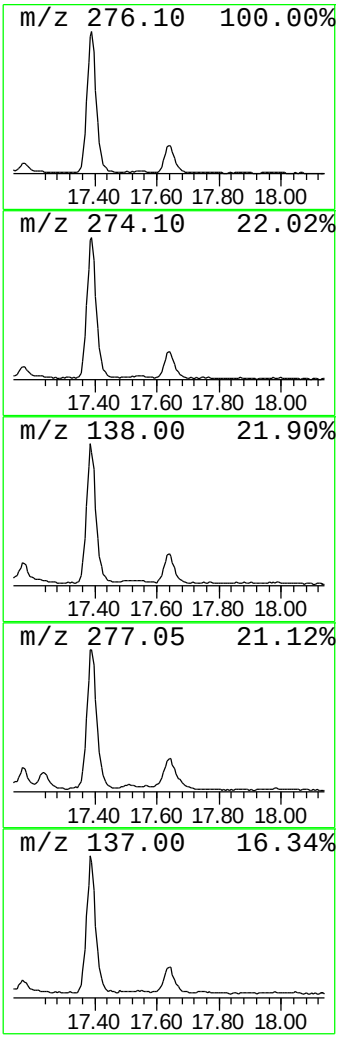
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	6.69 ng	283643	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	74
4	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	52
5	Phosphoric acid, 4-methoxy-2-(me...	276	C11H17O6P	094420-71-0	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080919\
Data File : BF116127.D
Acq On : 9 Aug 2019 22:00
Operator : HP/JU
Sample : K3613-05 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WILDWOOD-AVE-PILE

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
1,3,5-Cycloheptat...	3.89	14.3	ng	510473	1	6.84	714674	20.0
unknown6.61	6.61	16.8	ng	601846	1	6.84	714674	20.0
9H-Fluoren-9-one	11.17	6.8	ng	305549	4	11.36	900282	20.0
Naphtho[2,1-b]thi...	11.26	6.2	ng	279025	4	11.36	900282	20.0
Phenanthrene, 2-m...	11.86	10.8	ng	487766	4	11.36	900282	20.0
Phenanthrene, 1-m...	11.89	14.6	ng	655803	4	11.36	900282	20.0
4H-Cyclopenta[def...	11.97	17.7	ng	795295	4	11.36	900282	20.0
Anthracene, 1-met...	11.99	6.7	ng	299671	4	11.36	900282	20.0
Naphthalene, 2-ph...	12.15	7.7	ng	348043	4	11.36	900282	20.0
9,10-Anthracenedione	12.19	7.5	ng	337735	4	11.36	900282	20.0
Phenanthrene, 2,5...	12.41	6.4	ng	286475	4	11.36	900282	20.0
unknown12.45	12.45	5.1	ng	229166	4	11.36	900282	20.0
Cyclopenta(def)ph...	12.50	7.2	ng	325264	4	11.36	900282	20.0
1,1'-Binaphthalene	14.89	8.4	ng	354498	6	15.47	848369	20.0
Benzo[e]pyrene	15.16	9.9	ng	419204	6	15.47	848369	20.0
Perylene	15.35	34.5	ng	1461450	6	15.47	848369	20.0
unknown15.89	15.89	5.0	ng	210551	6	15.47	848369	20.0
Benzo[b]triphenylene	17.11	5.7	ng	241938	6	15.47	848369	20.0
Dibenzo[def,mno]c...	17.64	6.7	ng	283643	6	15.47	848369	20.0