LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116866.D
Acq On : 6 Sep 2019 18:16
Operator : HP/JU
Sample : K4164-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200030

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-BF083019.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	2.116	3	5	18	rVB	393686	454596	17.87%	1.376%
2	5.469	570	575	578	rBV	2102032	2151278	84.56%	6.511%
3	6.486	742	748	759	rBV	2155335	2407045	94.62%	7.285%
4	6.622	766	771	774	rBV	2495307	2379984	93.55%	7.203%
5	6.845	805	809	817	rBV	634950	509816	20.04%	1.543%
6	7.004	832	836	839	rBV	2155944	1789141	70.33%	5.415%
7	7.404	899	904	907	rBV	1404940	1436418	56.46%	4.347%
8	8.128	1023	1027	1030	rBV	774229	660236	25.95%	1.998%
9	8.939	1161	1165	1168	rVB	56266	47440	1.86%	0.144%
10	9.204	1205	1210	1213	rBV	2916051	2544017	100.00%	7.700%
11	9.469	1251	1255	1258	rBV2	36213	47722	1.88%	0.144%
12	9.539	1263	1267	1269	rBV	79861	73318	2.88%	0.222%
13	9.592	1273	1276	1281	rVV	312154	285288	11.21%	0.863%
14	9.657	1284	1287	1292	rBV	38305	44887	1.76%	0.136%
15	9.739	1298	1301	1305	rBV	76632	64881	2.55%	0.196%
16	9.880	1318	1325	1328	rBV	914487	780899	30.70%	2.363%
17	9.910	1328	1330	1334	rVB	120778	103965	4.09%	0.315%
18	9.986	1339	1343	1347	rVB3	22605	31509	1.24%	0.095%
19	10.080	1355	1359	1363	rBV	85277	86718	3.41%	0.262%
20	10.121	1363	1366	1370	rVB	44317	37318	1.47%	0.113%
21	10.198	1375	1379	1381	rBV	37448	38096	1.50%	0.115%
22	10.286	1390	1394	1396	rBV2	37807	47869	1.88%	0.145%
23	10.310	1396	1398	1401	rVB2	38629	33203	1.31%	0.100%
24	10.427	1414	1418	1424	rVB	164133	159542	6.27%	0.483%
25	10.492	1424	1429	1430	rBV2	37021	44452	1.75%	0.135%
26	10.580	1442	1444	1449	rVB	42849	43007	1.69%	0.130%
27	10.669	1454	1459	1463	rBV	1550680	1416378	55.67%	4.287%
28	10.792	1476	1480	1486	rVB4	61564	97741	3.84%	0.296%
29	10.974	1507	1511	1513	rBV2	58477	64226	2.52%	0.194%
30	11.004	1513	1516	1519	rVV2	41030	35456	1.39%	0.107%
31	11.057	1523	1525	1528	rVB2	35954	30375	1.19%	0.092%
32	11.104	1528	1533	1535	rBV6	31322	47905	1.88%	0.145%
33	11.169	1541	1544	1549	rVB	51236	44753	1.76%	0.135%
34	11.221	1549	1553	1557	rVV3	69002	99700	3.92%	0.302%

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Misc :
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Instrument : BNA_F
ClientSampleId : RBR-200030

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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.263	1557	1560	1565	rVB	111929	113060	4.44%	0.342%
36	11.363	1574	1577	1579	rBV	758924	683951	26.88%	2.070%
37	11.392	1579	1582	1585	rVV	1006000	937869	36.87%	2.838%
38	11.439	1585	1590	1593	rVB	297152	259306	10.19%	0.785%
39	11.474	1593	1596	1599	rBV2	43329	51248	2.01%	0.155%
40	11.592	1611	1616	1618	rBV	81665	86932	3.42%	0.263%
41	11.657	1624	1627	1630	rVB	63544	49366	1.94%	0.149%
42	11.698	1630	1634	1639	rVB2	65604	69188	2.72%	0.209%
43	11.774	1645	1647	1651	rVB	36603	42068	1.65%	0.127%
44	11.868	1659	1663	1664	rBV	190167	186399	7.33%	0.564%
45	11.892	1664	1667	1671	rVV	481594	448329	17.62%	1.357%
46	11.939	1673	1675	1678	rVV	103797	85641	3.37%	0.259%
47	11.974	1678	1681	1684	rVV2	282874	336899	13.24%	1.020%
48	11.998	1684	1685	1690	rVB	162801	108740	4.27%	0.329%
49	12.063	1694	1696	1699	rVB3	41925	37329	1.47%	0.113%
50	12.157	1709	1712	1714	rBV	115534	98298	3.86%	0.298%
51	12.180	1714	1716	1724	rVB3	74383	89526	3.52%	0.271%
52	12.310	1736	1738	1741	rVB	52550	39310	1.55%	0.119%
53	12.339	1741	1743	1746	rBV	61981	59675	2.35%	0.181%
54	12.363	1746	1747	1750	rVB	43881	27813	1.09%	0.084%
55	12.415	1752	1756	1759	rBV	138032	147770	5.81%	0.447%
56	12.451	1759	1762	1764	rVV2	99597	104473	4.11%	0.316%
57	12.498	1767	1770	1775	rVB2	84825	102391	4.02%	0.310%
58	12.580	1779	1784	1787	rBV	1104980	1045700	41.10%	3.165%
59	12.668	1796	1799	1802	rBV2	137831	135452	5.32%	0.410%
60	12.727	1807	1809	1813	rVV3	57550	67367	2.65%	0.204%
61	12.810	1816	1823	1828	rVV	949121	1182864	46.50%	3.580%
62	12.857	1828	1831	1836	rVB3	55081	79310	3.12%	0.240%
63	12.945	1842	1846	1853	rVB	2055752	1974092	77.60%	5.975%
64	13.021	1855	1859	1866	rBV5	86462	173312	6.81%	0.525%
65	13.080	1866	1869	1871	rBV3	27542	29062	1.14%	0.088%
66	13.110	1871	1874	1875	rBV3	60950	61010	2.40%	0.185%
67	13.133	1875	1878	1881	rVB2	261201	225547	8.87%	0.683%
68	13.174	1881	1885	1887	rBV4	40546	60930	2.40%	0.184%
69	13.198	1887	1889	1892	rVB2	132057	97291	3.82%	0.294%
70	13.233	1892	1895	1898	rBV2	125470	127851	5.03%	0.387%
71	13.327	1907	1911	1913	rBV2	112687	121337	4.77%	0.367%

LSC Area Percent Report

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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200030

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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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.357	1913	1916	1919	rVV	93974	84475	3.32%	0.256%
73	13.521	1941	1944	1945	rBV3	43583	44568	1.75%	0.135%
74	13.639	1961	1964	1968	rVB	109270	115552	4.54%	0.350%
75	13.751	1979	1983	1986	rBV3	91733	130565	5.13%	0.395%
76	13.780	1986	1988	1990	rVV	75027	60505	2.38%	0.183%
77	13.804	1990	1992	1993	rVV	65521	54983	2.16%	0.166%
78	13.845	1995	1999	2005	rVB2	275988	375597	14.76%	1.137%
79	13.998	2018	2025	2028	rBV2	774430	1147703	45.11%	3.474%
80	14.027	2028	2030	2038	rVB	524485	473315	18.61%	1.432%
81	14.109	2042	2044	2048	rVB	73091	60458	2.38%	0.183%
82	14.162	2051	2053	2055	rVV2	55761	41625	1.64%	0.126%
83	14.392	2090	2092	2095	rVB	103861	82376	3.24%	0.249%
84	14.427	2096	2098	2100	rVB	64879	51168	2.01%	0.155%
85	14.474	2104	2106	2111	rVB5	83841	113578	4.46%	0.344%
86	14.521	2112	2114	2116	rBV2	58559	51114	2.01%	0.155%
87	14.780	2156	2158	2161	rVB	96884	82528	3.24%	0.250%
88	15.051	2200	2204	2207	rBV	348259	545982	21.46%	1.652%
89	15.121	2213	2216	2219	rVB2	97707	102219	4.02%	0.309%
90	15.156	2219	2222	2225	rVB	71707	73498	2.89%	0.222%
91	15.351	2251	2255	2261	rVB	248078	342627	13.47%	1.037%
92	15.415	2261	2266	2272	rBV	337626	482195	18.95%	1.459%
93	15.474	2272	2276	2279	rBV	404413	562257	22.10%	1.702%
94	16.933	2520	2524	2532	rVB2	132790	276415	10.87%	0.837%

Sum of corrected areas: 33041188

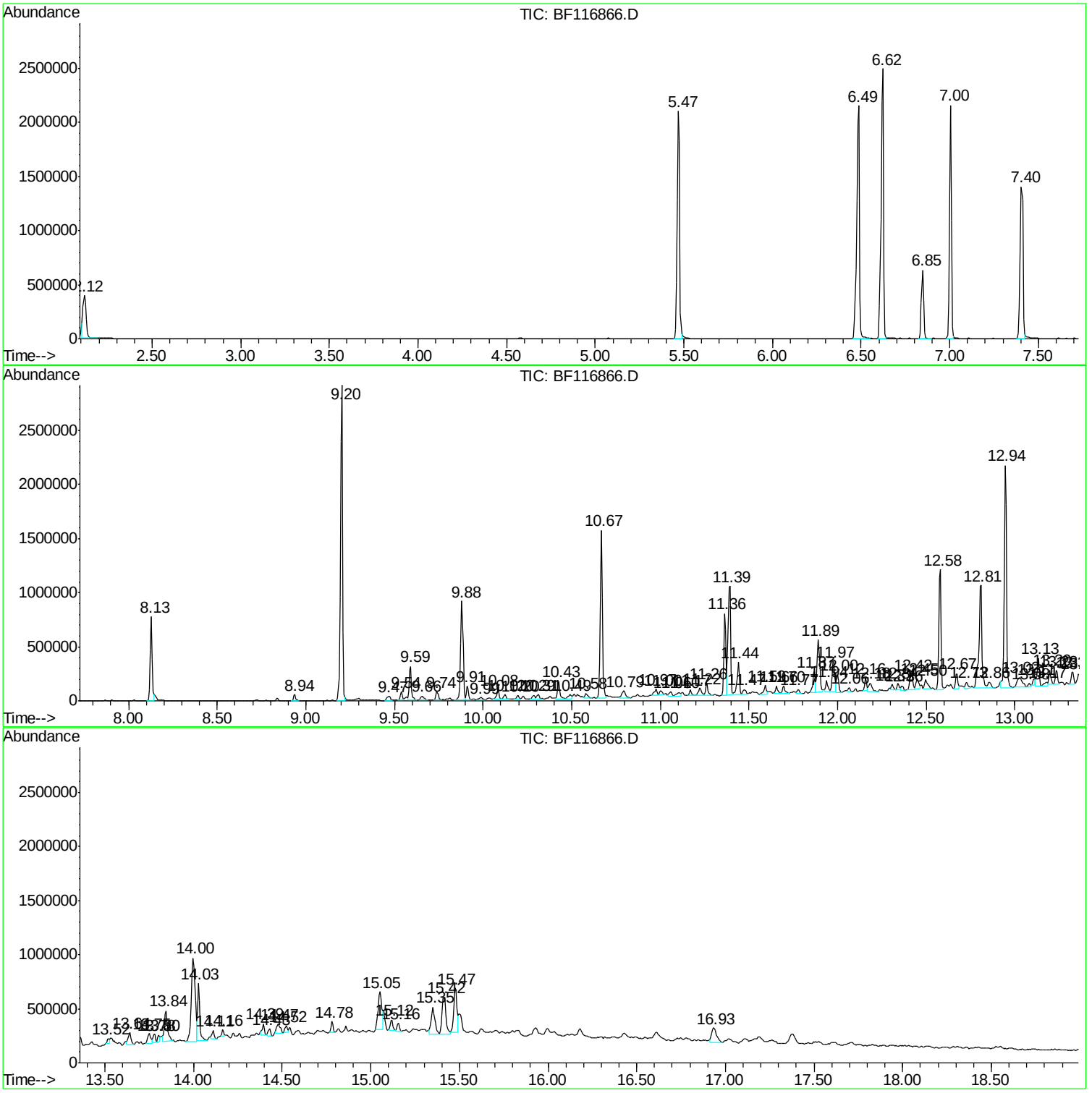
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116866.D
Acq On : 6 Sep 2019 18:16
Operator : HP/JU
Sample : K4164-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200030

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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\BF090619\
Data File : BF116866.D
Acq On : 6 Sep 2019 18:16
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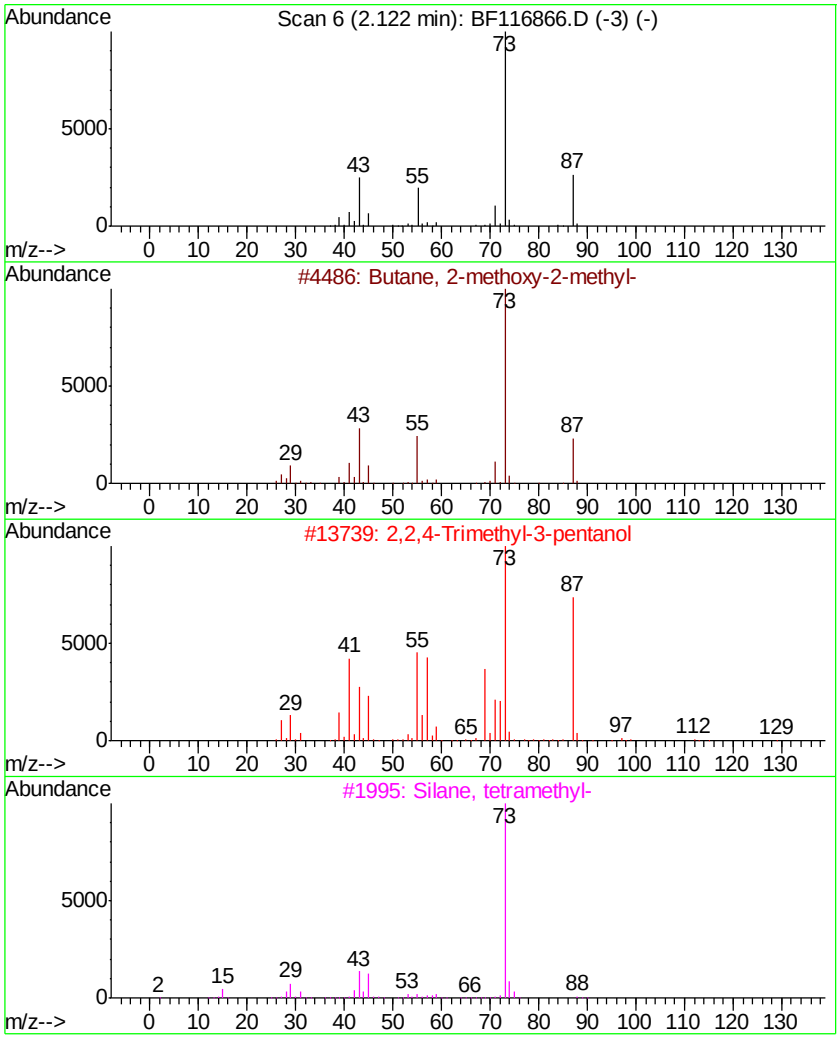
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

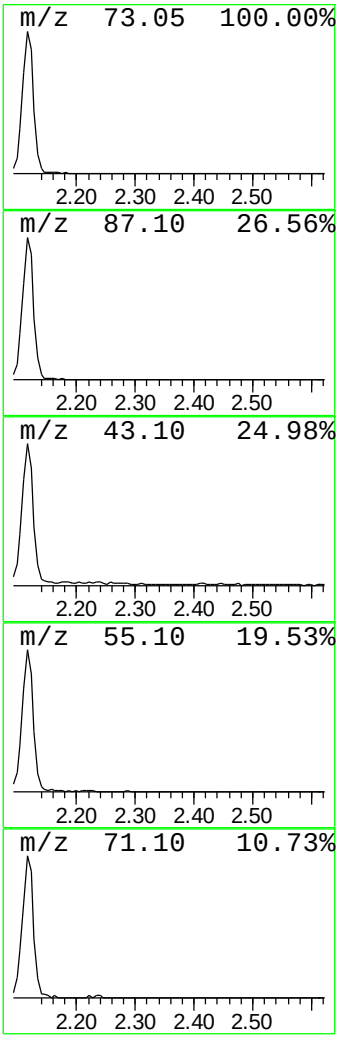
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	17.83 ng	454596	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	16
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	10
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
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Acq On : 6 Sep 2019 18:16
Operator : HP/JU
Sample : K4164-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200030

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

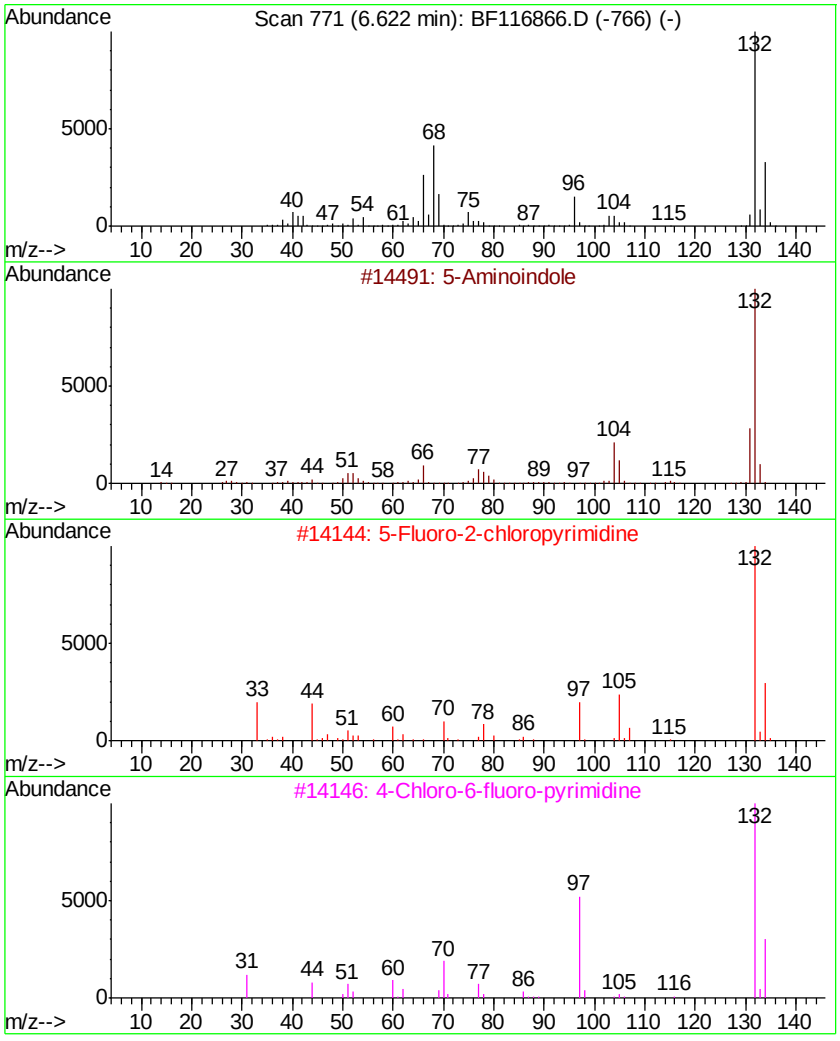
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

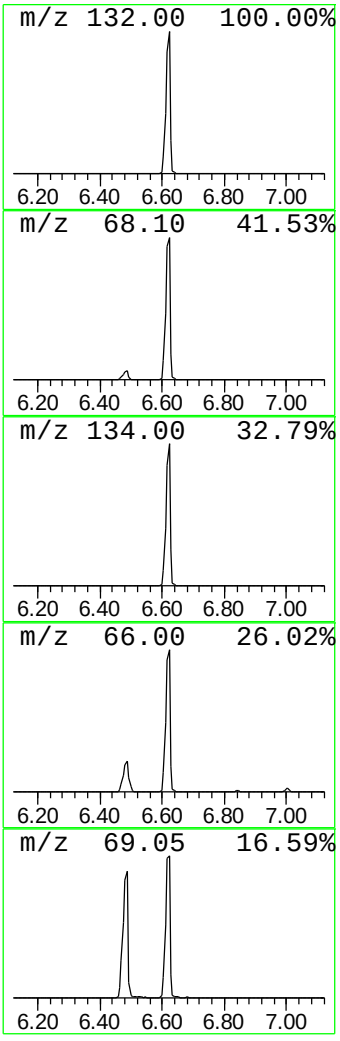
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	93.37 ng	2379980	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	22
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	Xenon	132	Xe	007440-63-3	9





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Instrument : BNA_F
ClientSampleId : RBR-200030

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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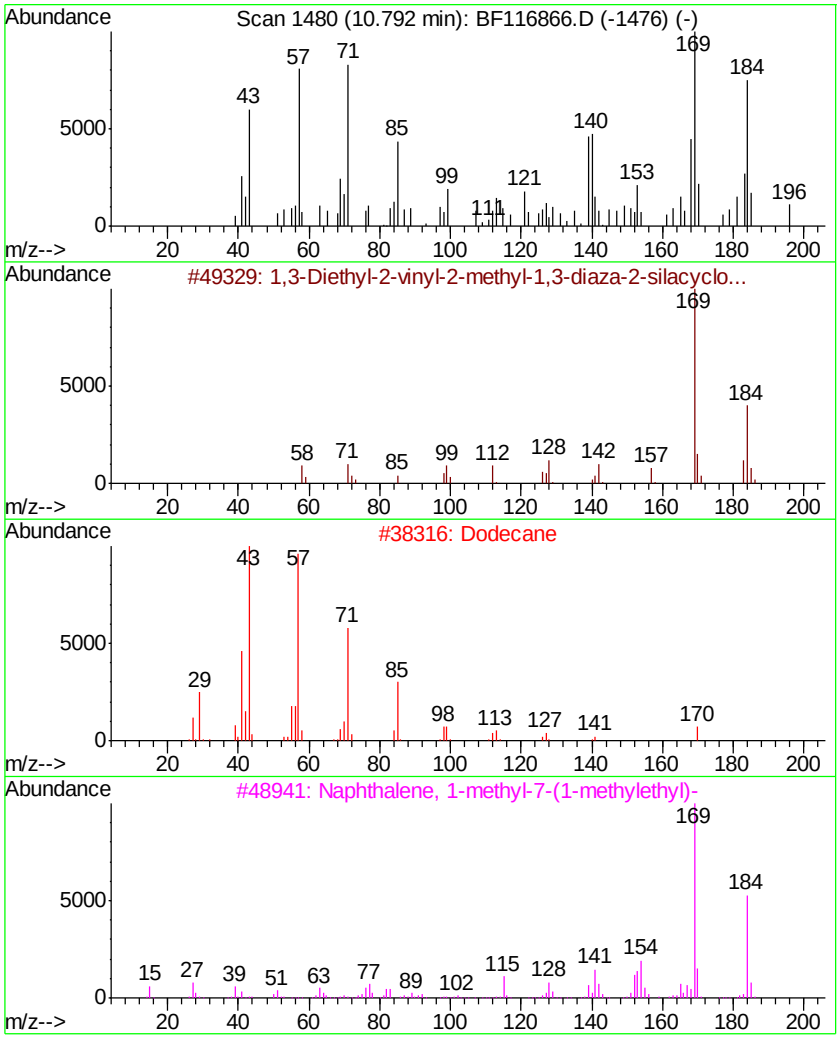
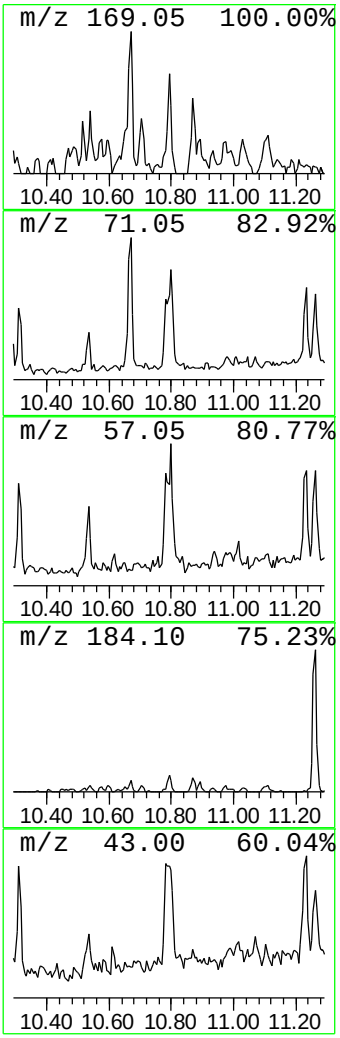
Peak Number 4 unknown10.79 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	2.86 ng	97741	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diethyl-2-vinyl-2-methyl-1,3...	184	C9H20N2Si	051169-45-0	38
2	Dodecane	170	C12H26	000112-40-3	35
3	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	30
4	2,4,6(1H,3H,5H)-Pyrimidinetrione...	184	C8H12N2O3	007391-61-9	30
5	7-Hydroxy-2-naphthalenecarbonitrile	169	C11H7NO	1000326-75-0	18





Library Search Compound Report

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Data File : BF116866.D
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Sample : K4164-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200030

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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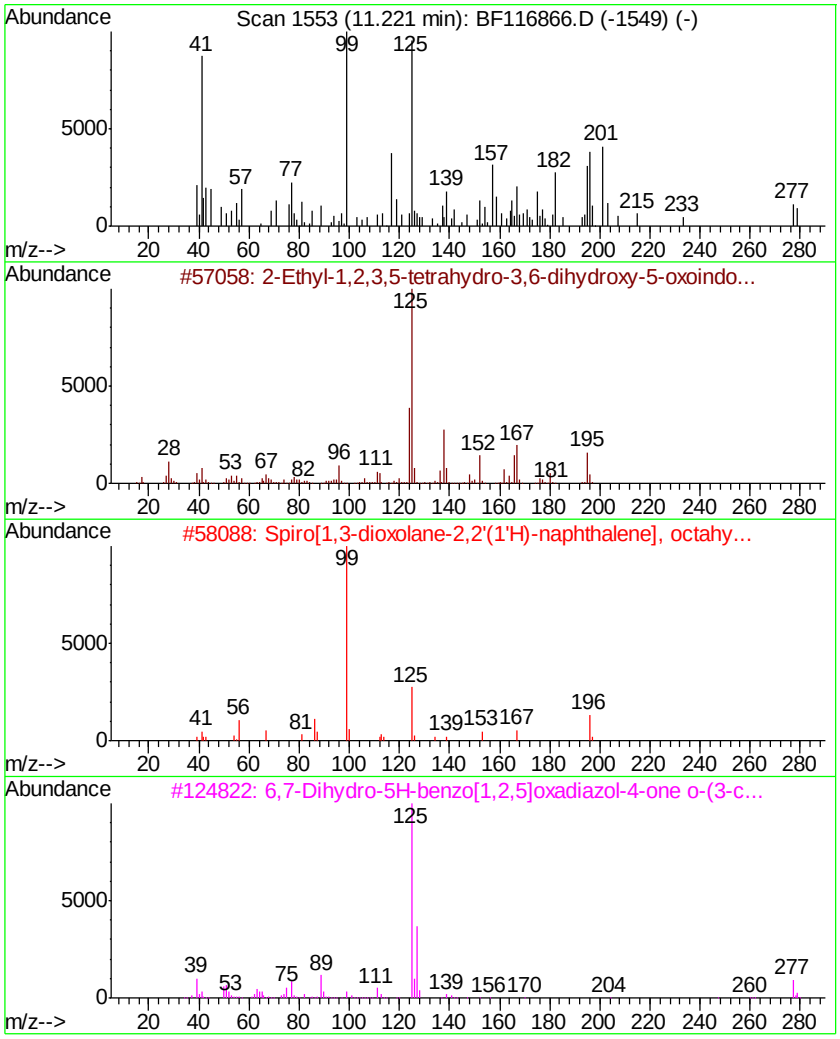
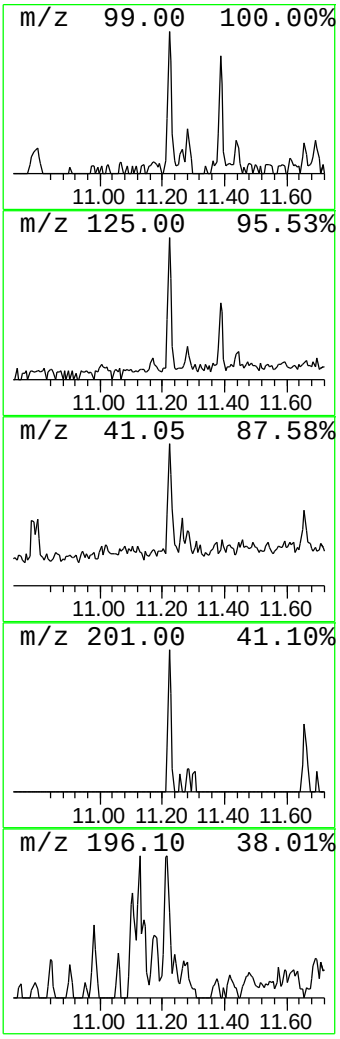
Peak Number 5 unknown11.22 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	2.92 ng	99700	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-1,2,3,5-tetrahydro-3,6-d...	195	C10H13NO3	024322-02-9	27
2	Spiro[1,3-dioxolane-2,2'(1'H)-na...	196	C12H20O2	006857-86-9	22
3	6,7-Dihydro-5H-benzo[1,2,5]oxadi...	277	C13H12ClN3O2	1000301-36-3	18
4	N-(4,5,6,7-Tetrahydro-benzo[b]th...	195	C10H13NOS	014770-80-0	14
5	6,7-Dihydro-5H-benzo[1,2,5]oxadi...	277	C13H12ClN3O2	1000296-73-1	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116866.D
Acq On : 6 Sep 2019 18:16
Operator : HP/JU
Sample : K4164-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200030

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

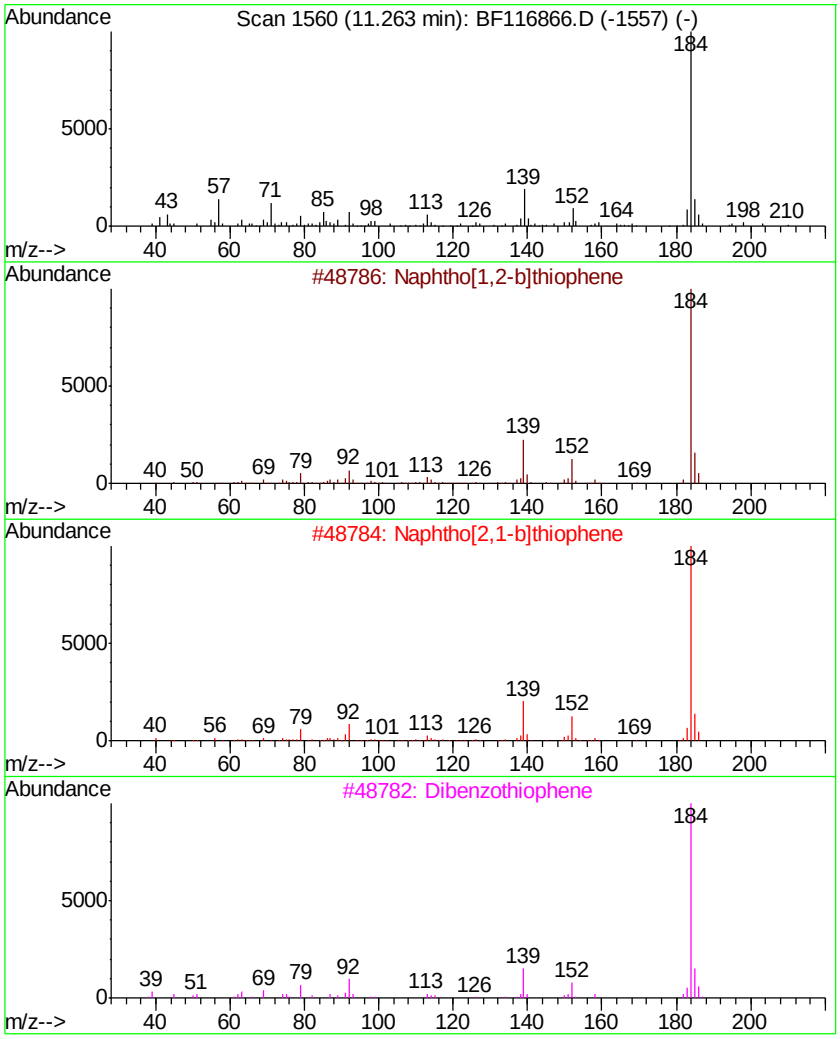
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

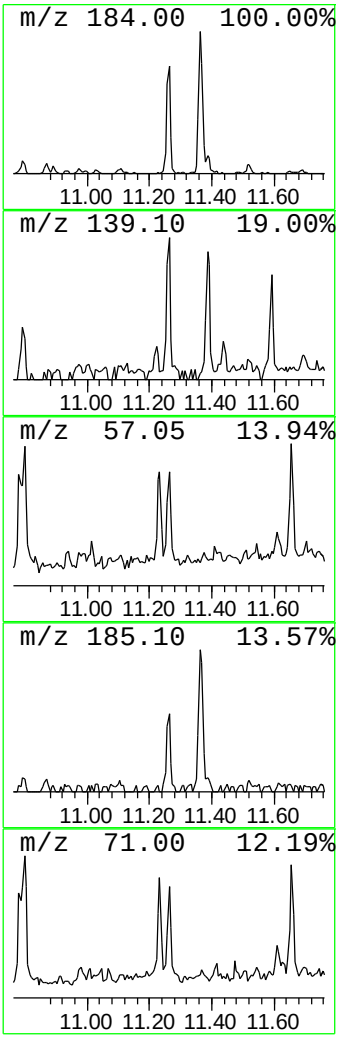
****

Peak Number 6 Naphtho[1,2-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	3.31 ng	113060	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Acq On : 6 Sep 2019 18:16
Operator : HP/JU
Sample : K4164-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200030

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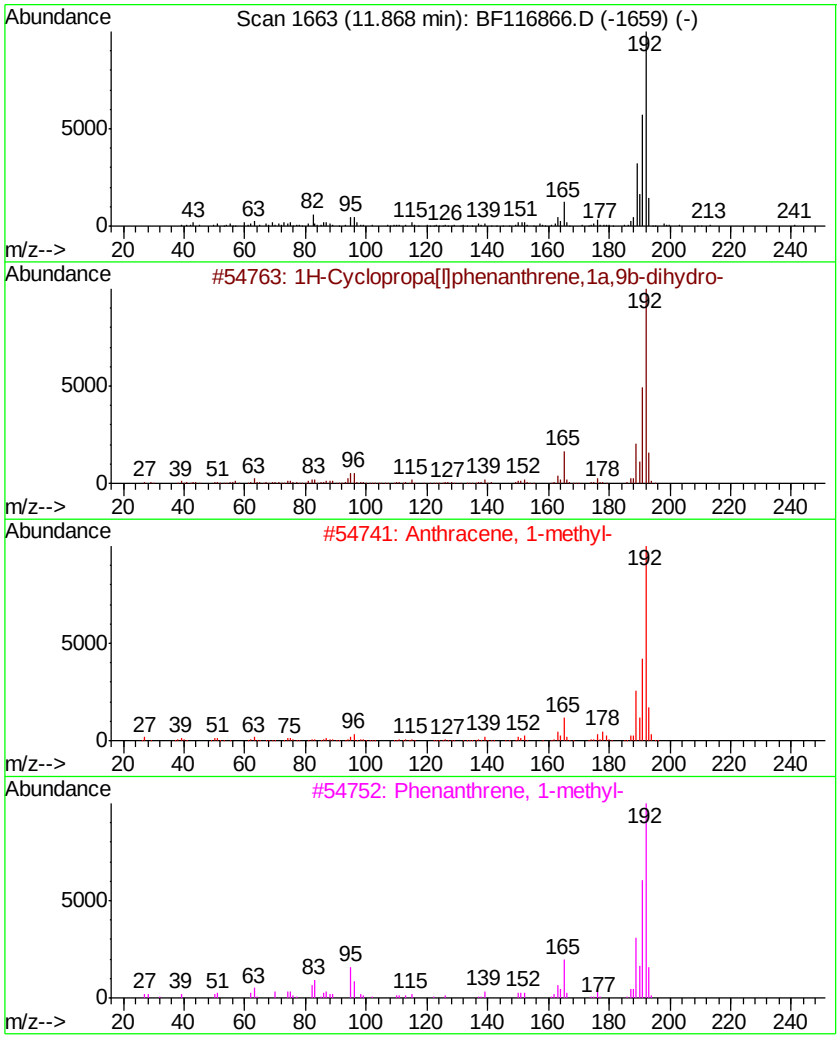
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

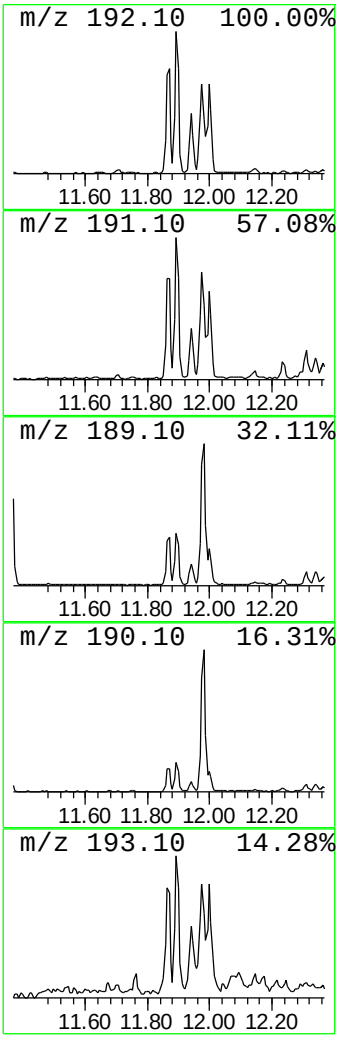
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	5.45 ng	186399	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89





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Instrument : BNA_F
ClientSampleId : RBR-200030

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

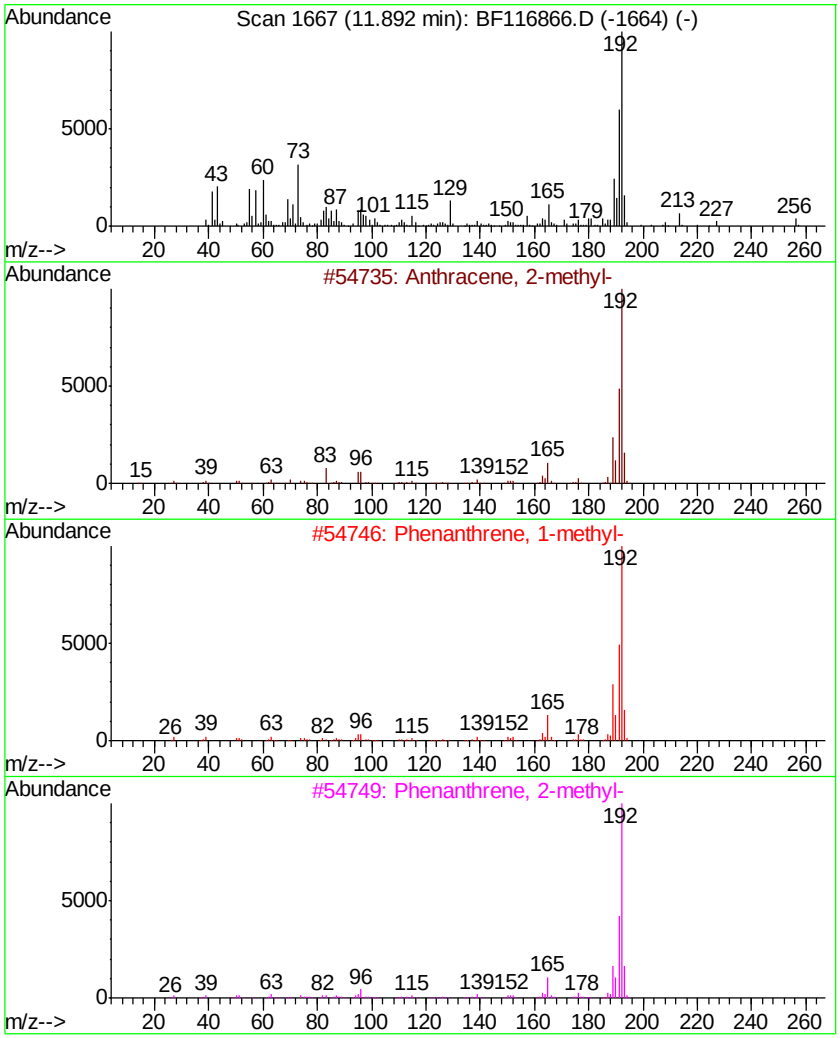
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

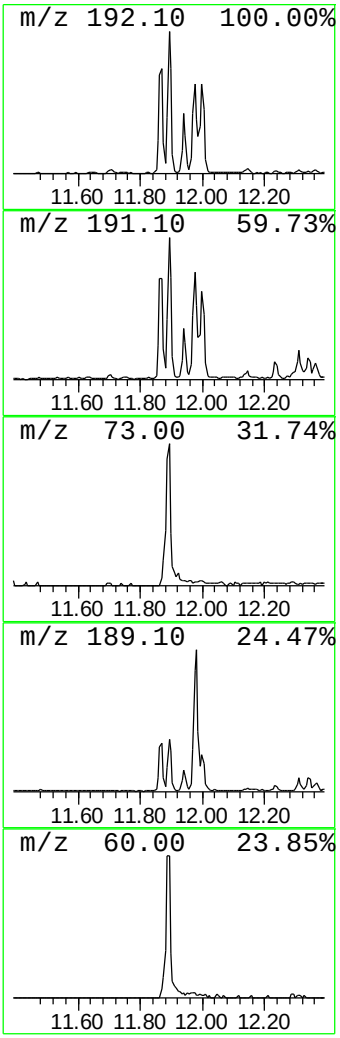
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	13.11 ng	448329	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200030

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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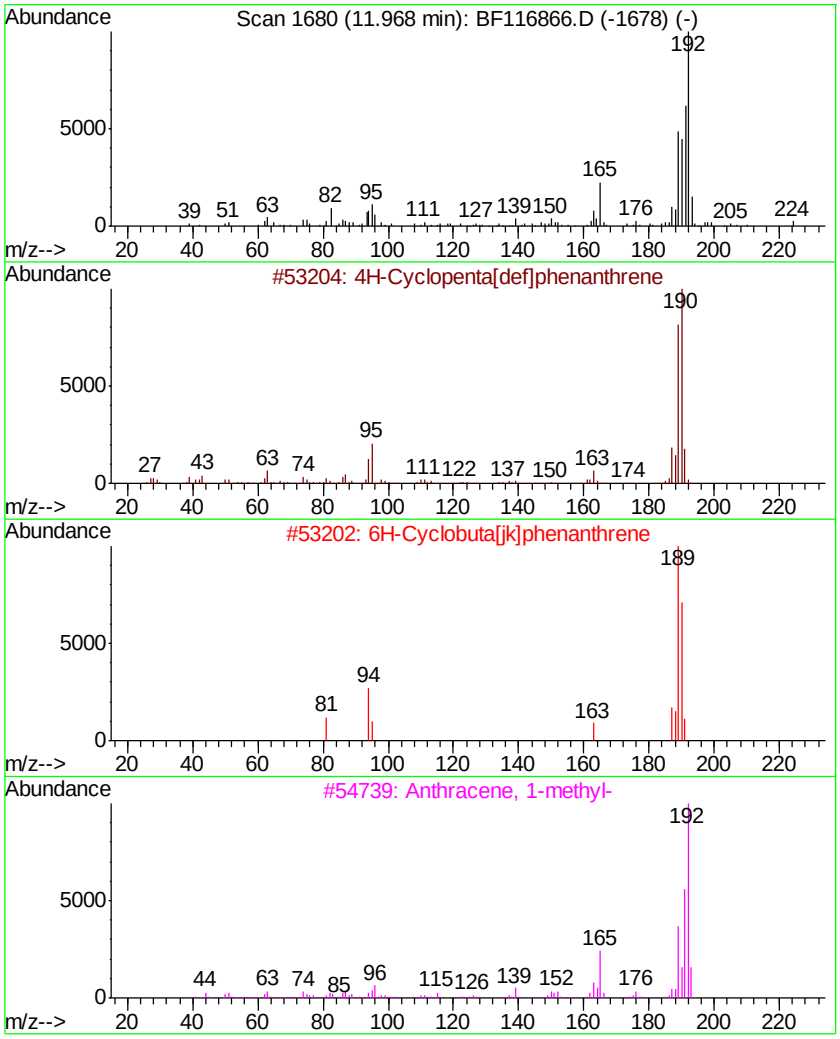
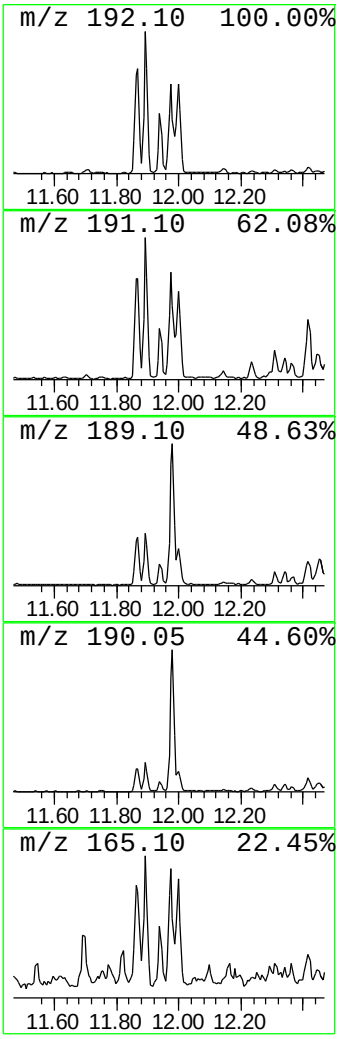
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	9.85 ng	336899	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	42





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ALS Vial : 15 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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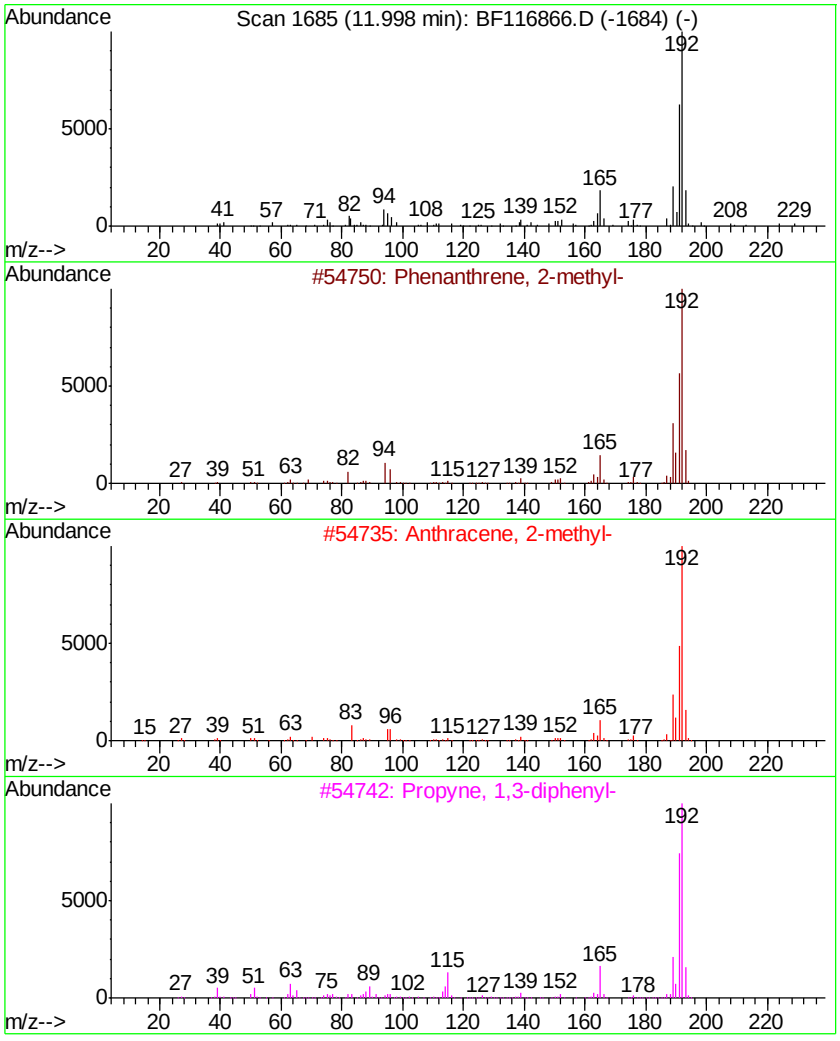
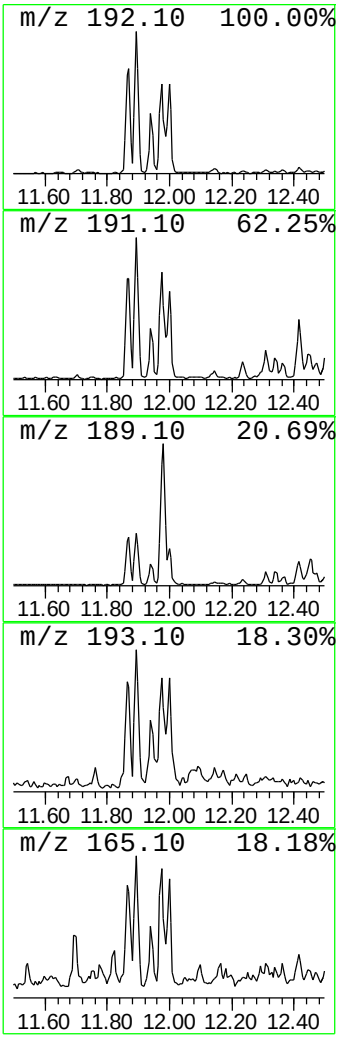
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.18 ng	108740	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





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ClientSampleId : RBR-200030

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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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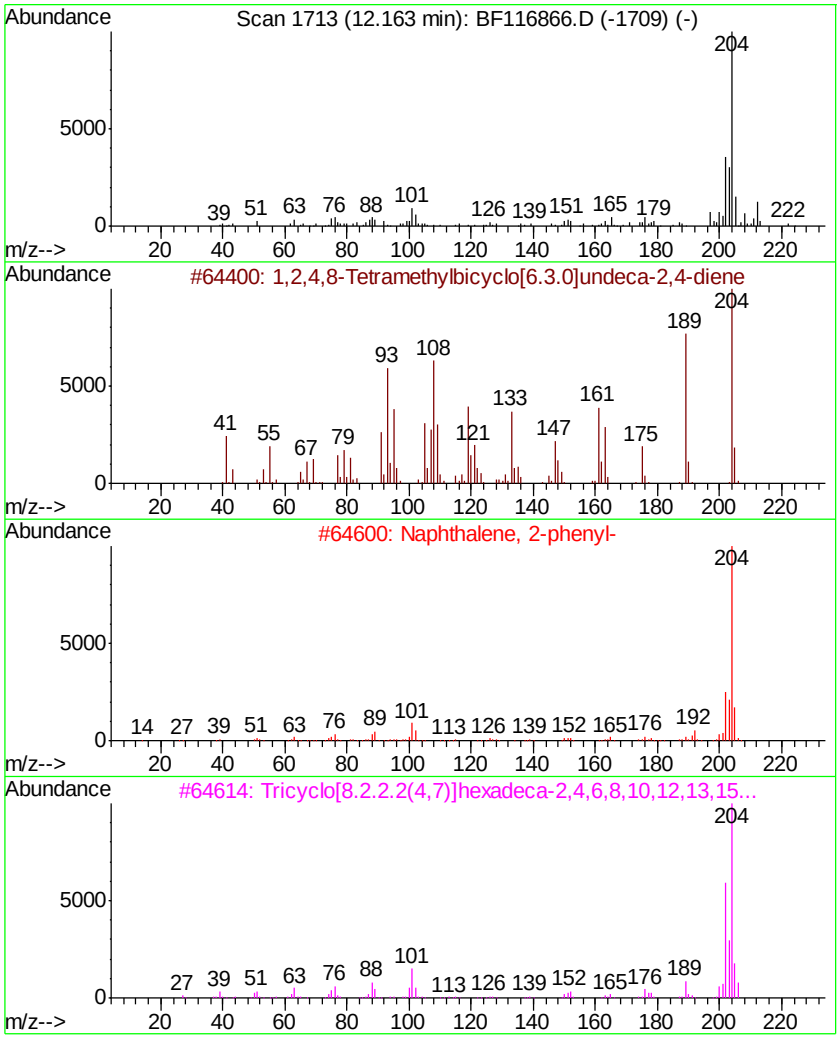
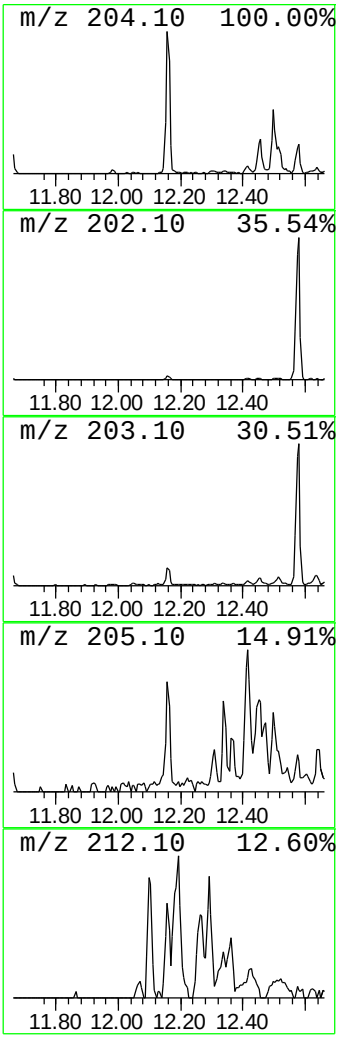
Peak Number 11 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	2.87 ng	98298	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	60





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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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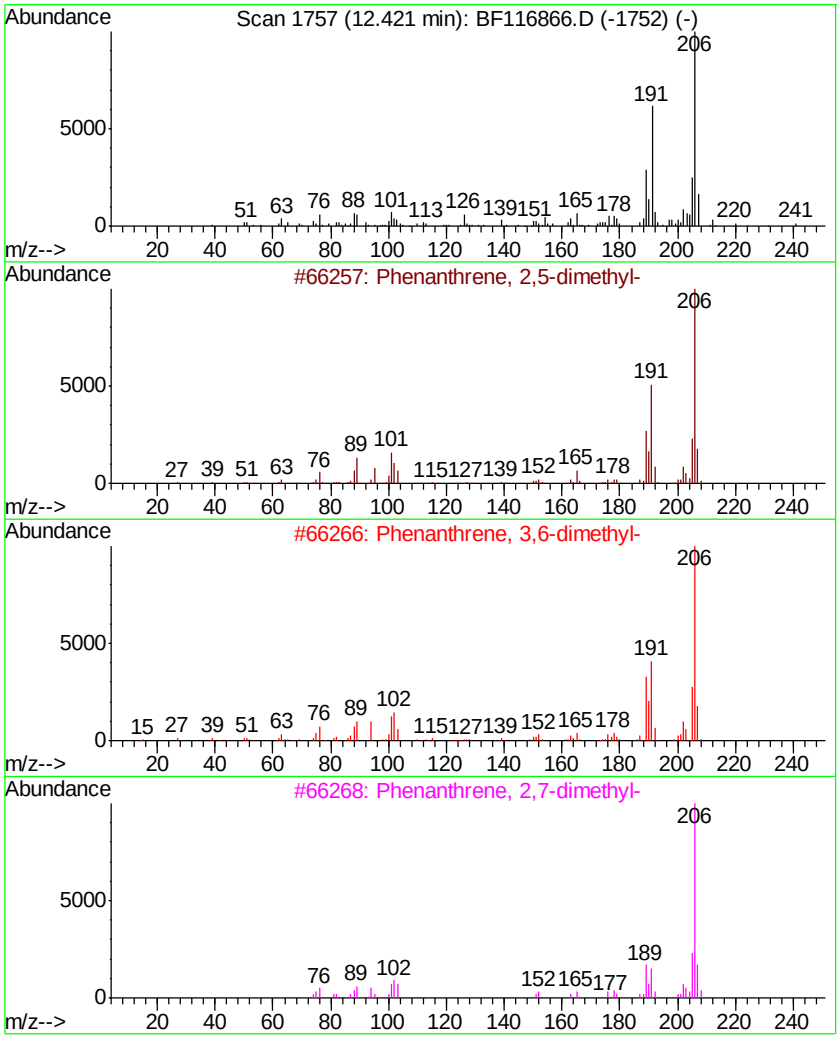
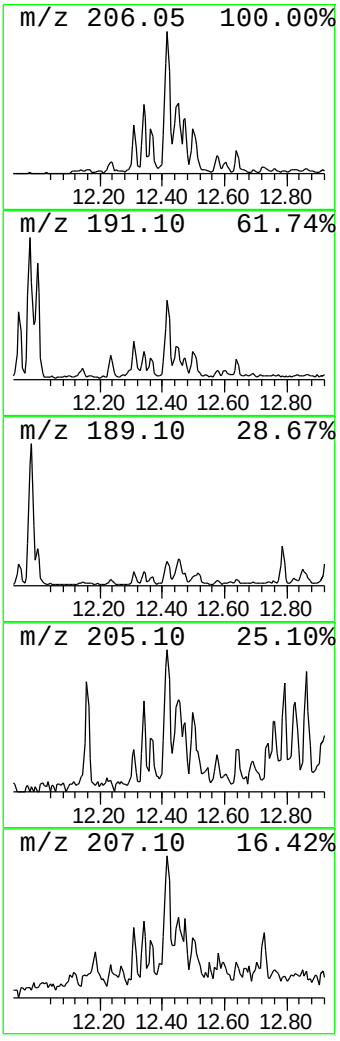
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	4.32 ng	147770	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200030

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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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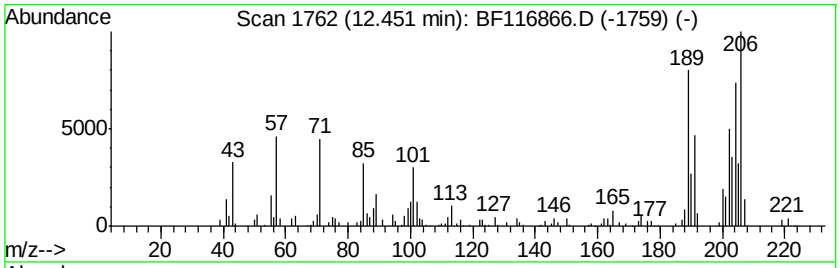
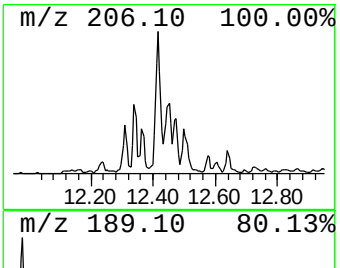
Peak Number 13 unknown12.45 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.05 ng	104473	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	49
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	38
4	3,5-Dichloro-4-hydroxybenzoic acid	206	C7H4Cl2O3	003336-41-2	38
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35





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Instrument : BNA_F
ClientSampleId : RBR-200030

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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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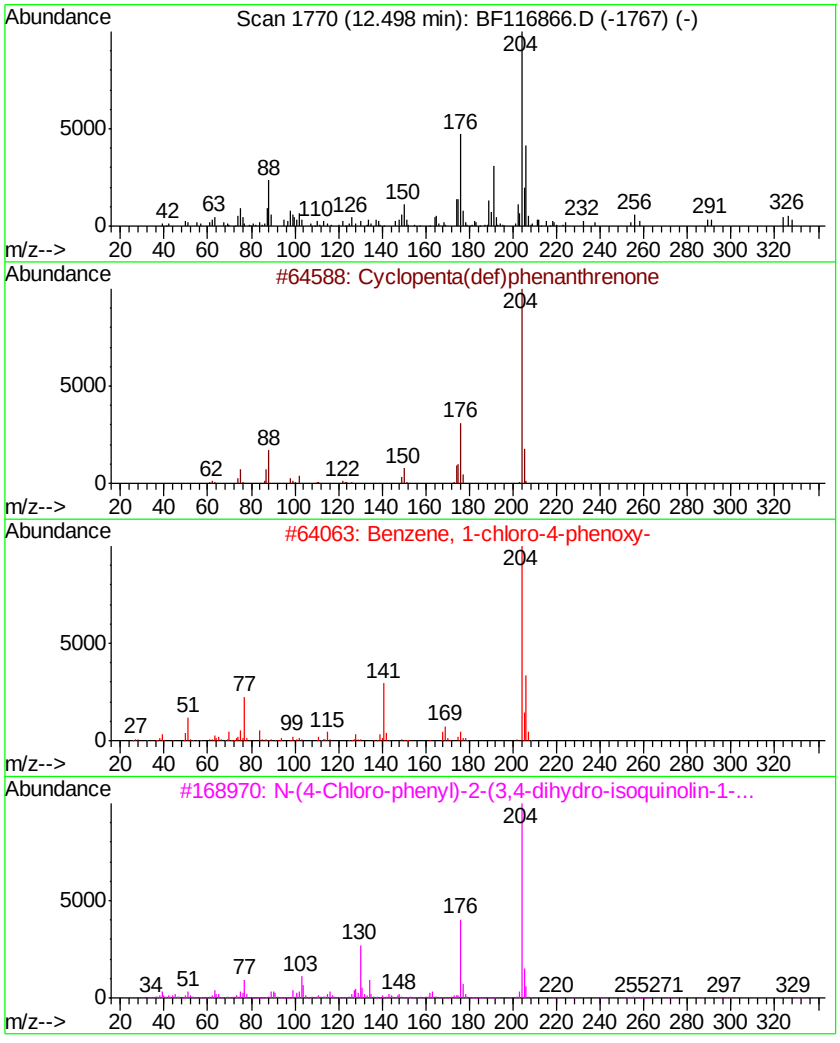
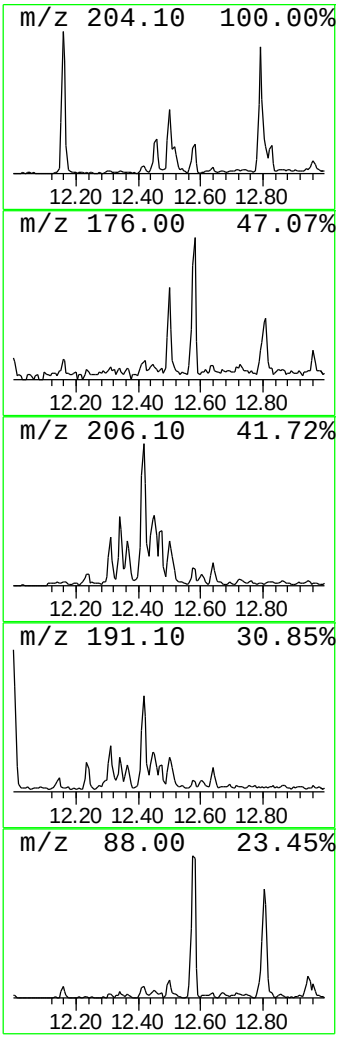
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	2.99 ng	102391	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	49
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	47
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	47
5	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	46





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ClientSampleId : RBR-200030

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

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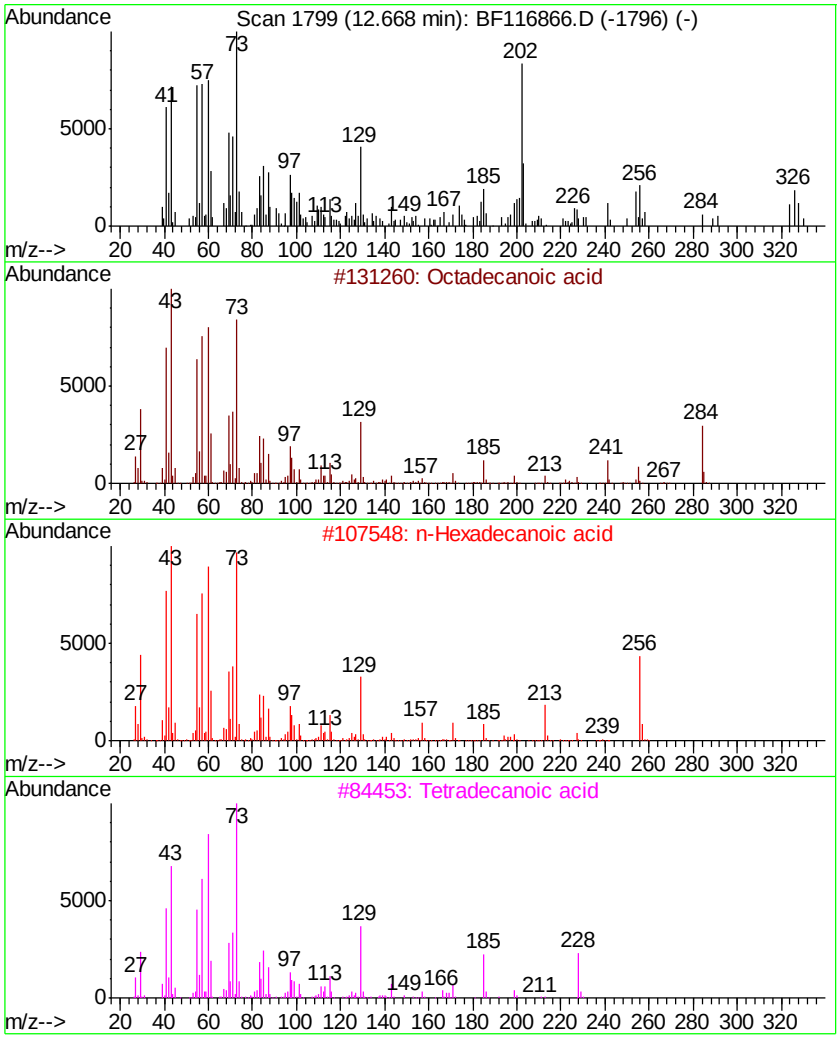
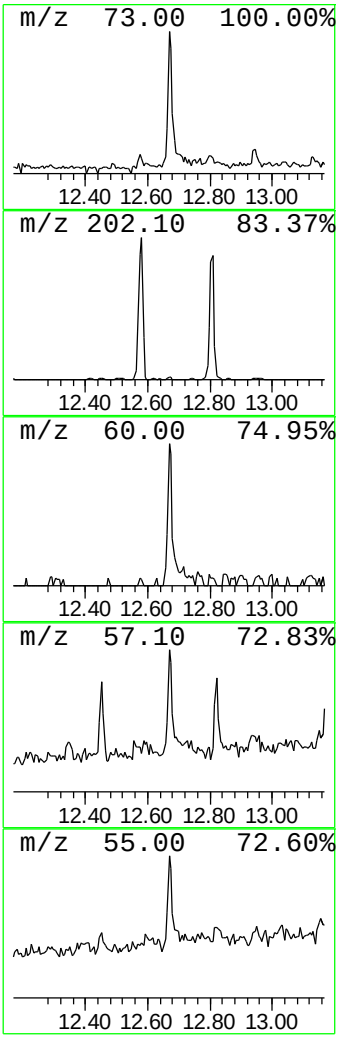
Peak Number 15 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	3.96 ng	135452	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	46
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	42
5	Dodecanoic acid	200	C12H24O2	000143-07-7	42





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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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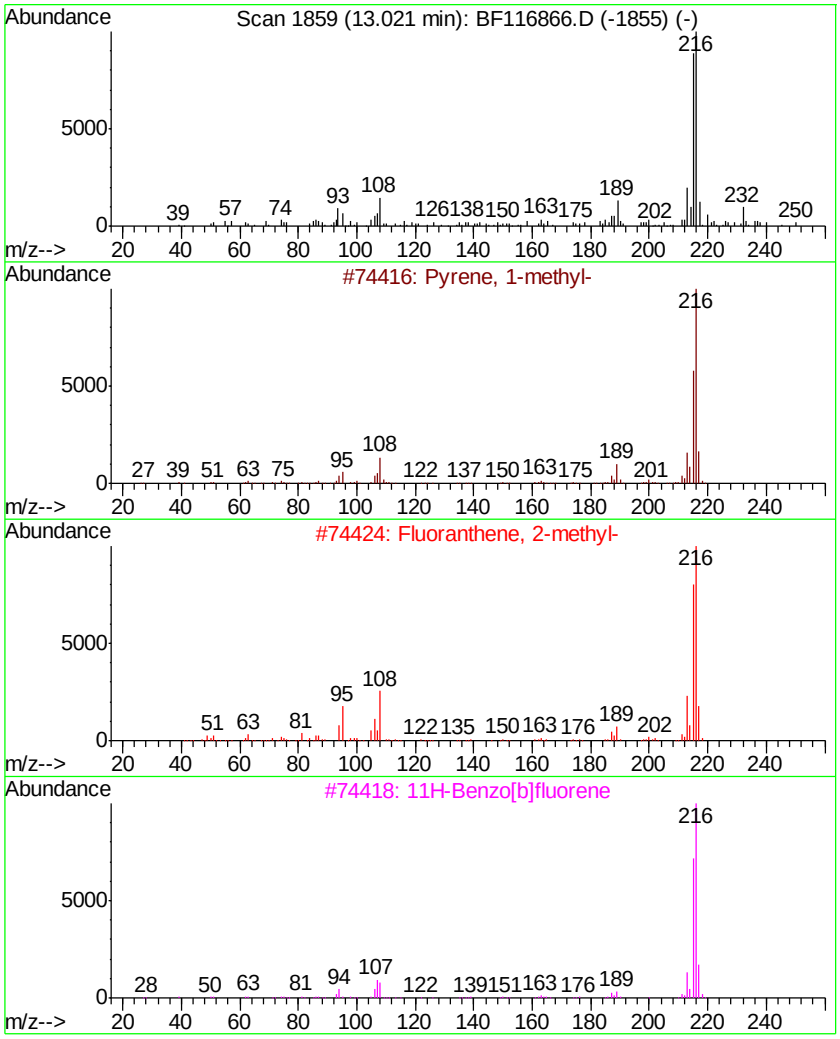
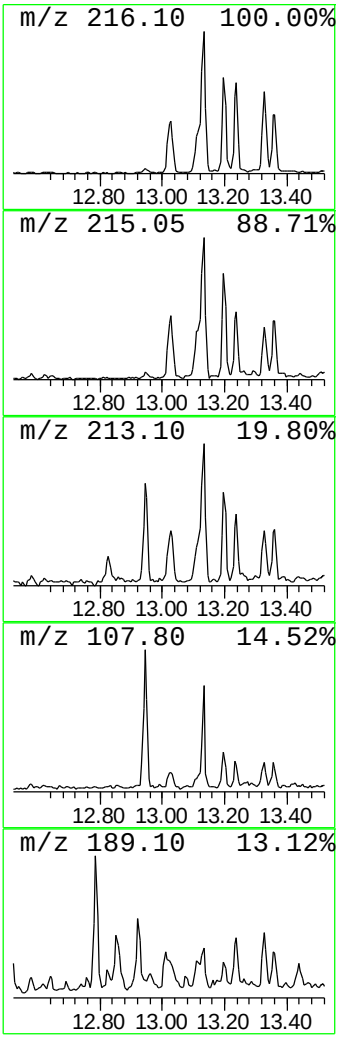
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	3.02 ng	173312	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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ClientSampleId : RBR-200030

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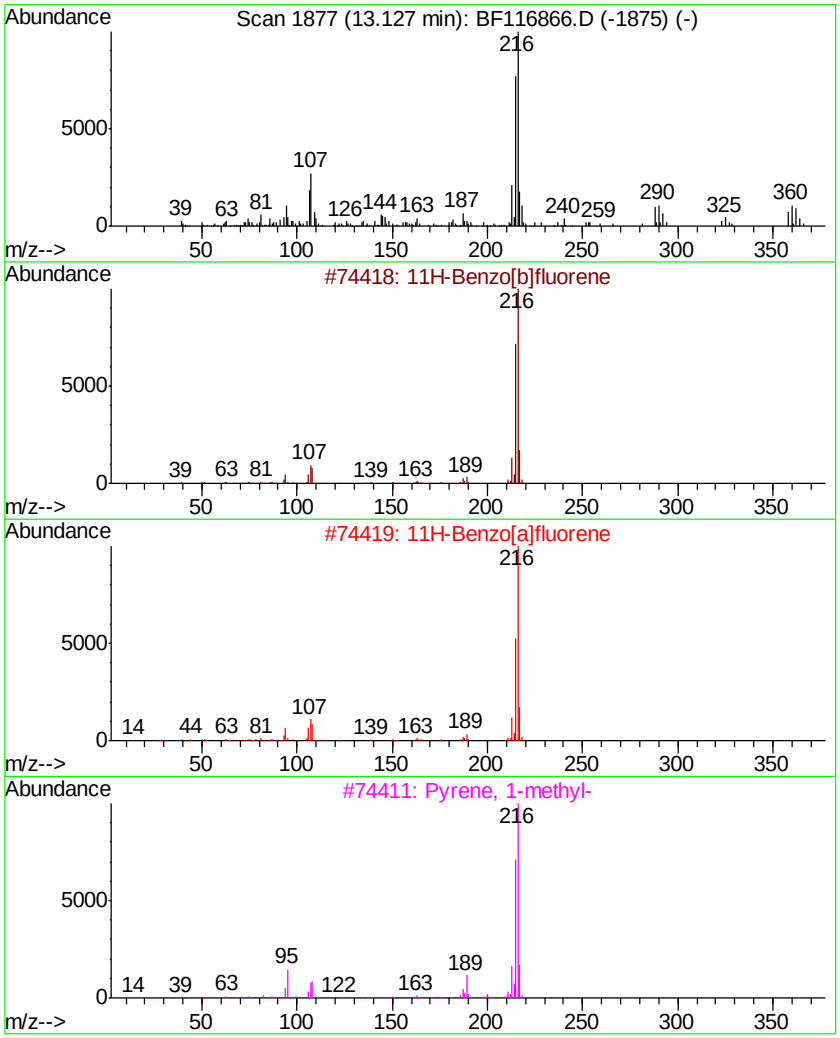
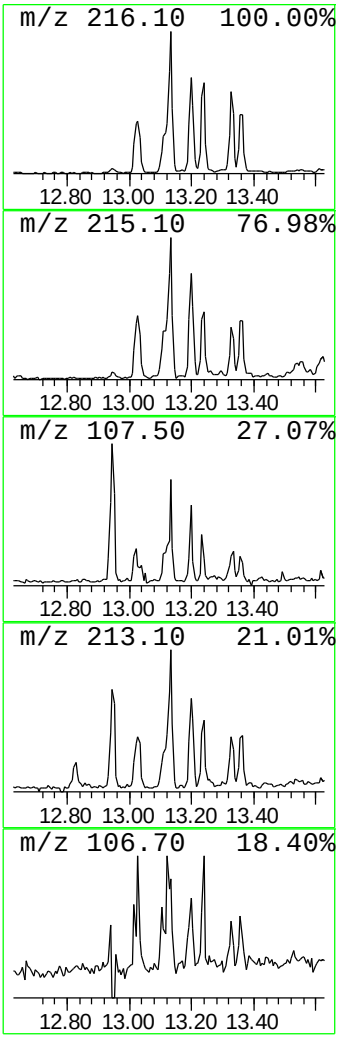
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	3.93 ng	225547	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	62
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58





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Sample : K4164-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId : RBR-200030

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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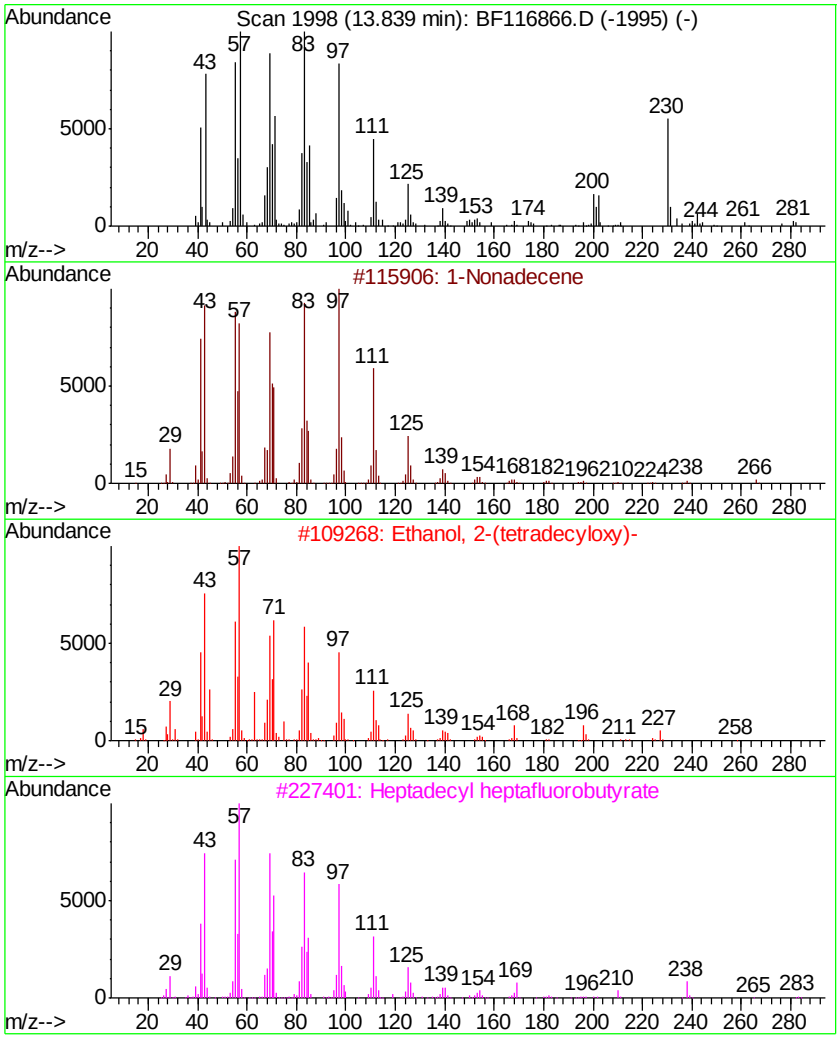
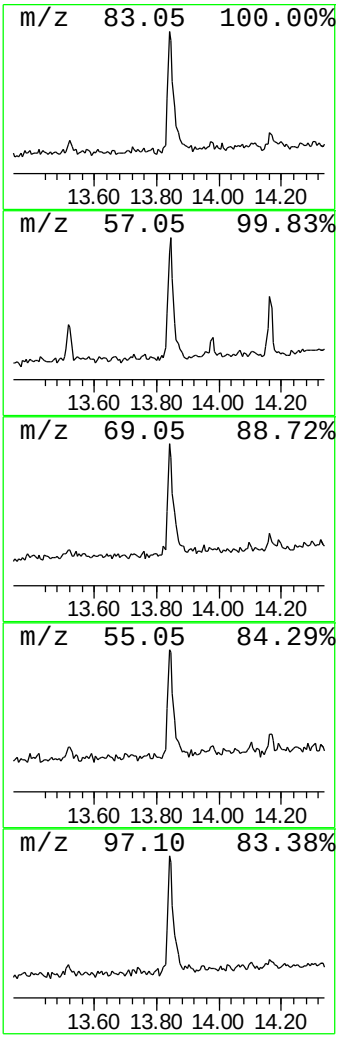
Peak Number 18 1-Nonadecene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	6.55 ng	375597	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	87
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	64
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	64
4	n-Heptadecanol-1	256	C17H36O	001454-85-9	60
5	1-Octadecanol	270	C18H38O	000112-92-5	55





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116866.D
Acq On : 6 Sep 2019 18:16
Operator : HP/JU
Sample : K4164-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200030

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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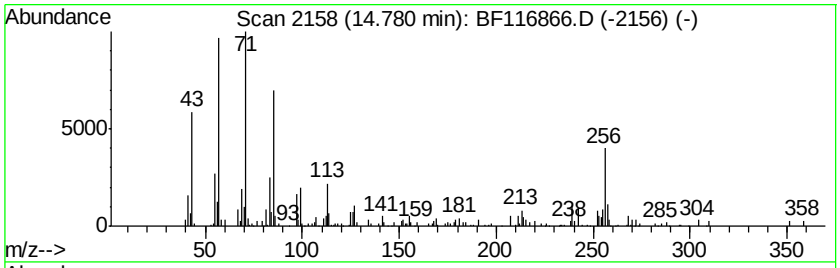
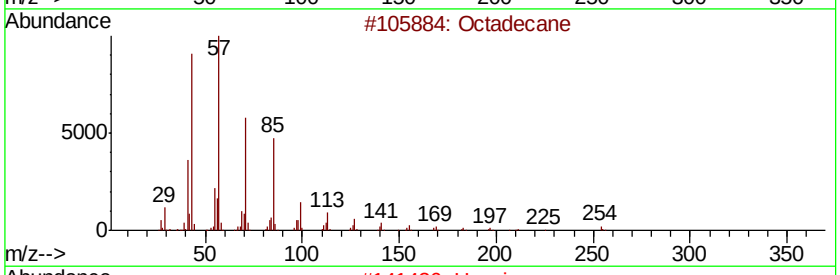
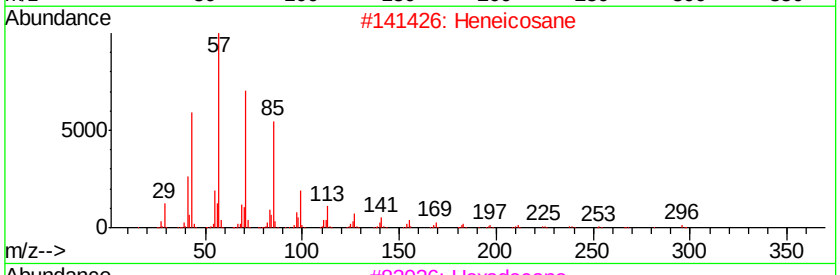
Peak Number 19 Octadecane Concentration Rank 17

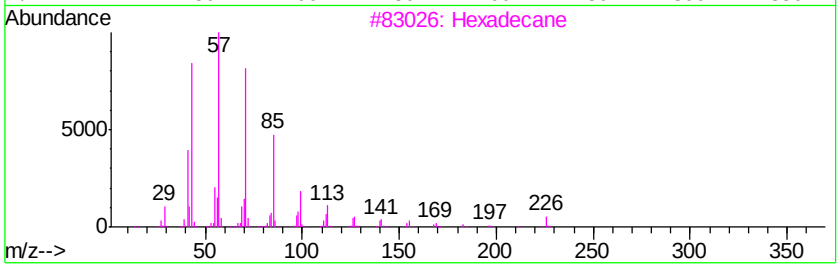
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	2.94 ng	82528	Perylene-d12	15.47

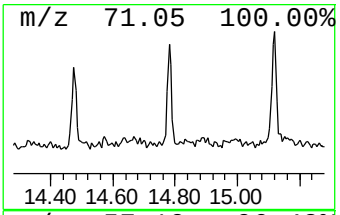
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	64
2	Heneicosane	296	C21H44	000629-94-7	53
3	Hexadecane	226	C16H34	000544-76-3	49
4	Heptacosane	380	C27H56	000593-49-7	47
5	Decane, 1-iodo-	268	C10H21I	002050-77-3	46

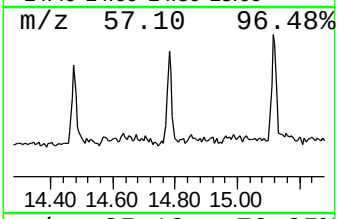


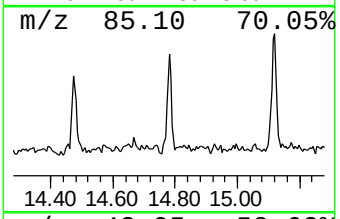


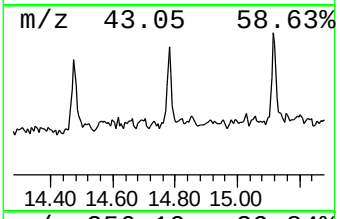


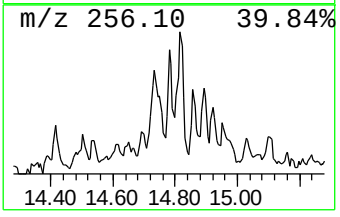












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116866.D
Acq On : 6 Sep 2019 18:16
Operator : HP/JU
Sample : K4164-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200030

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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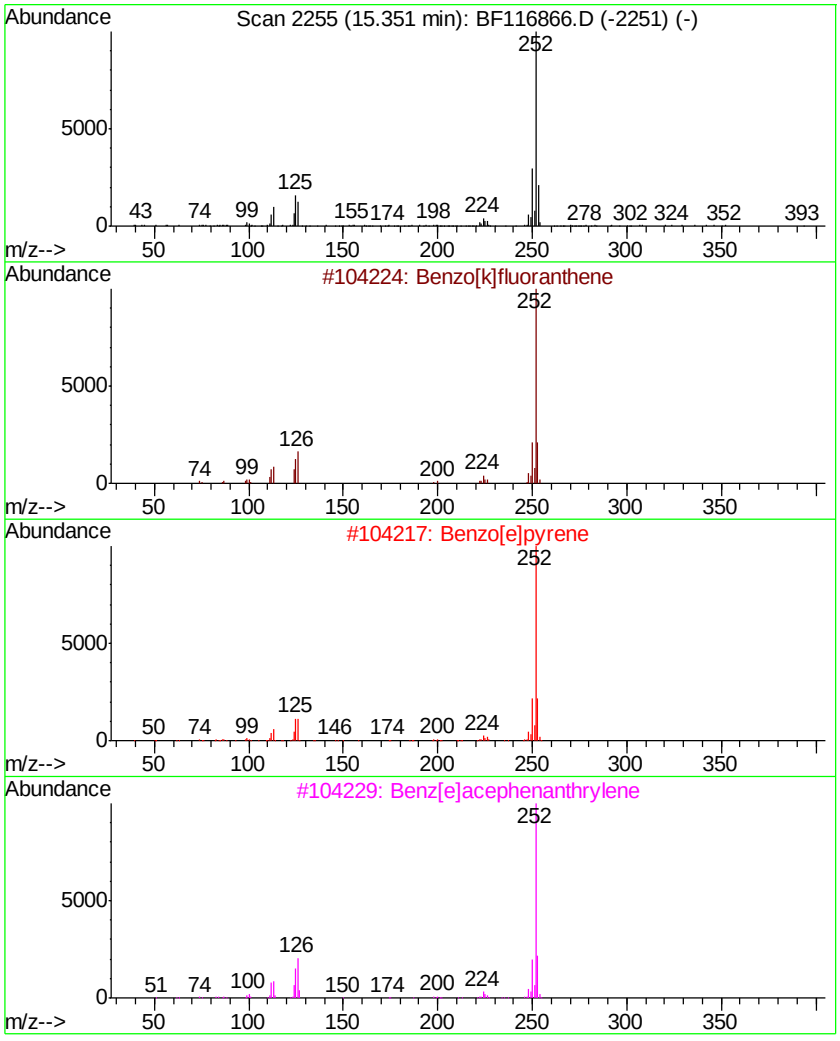
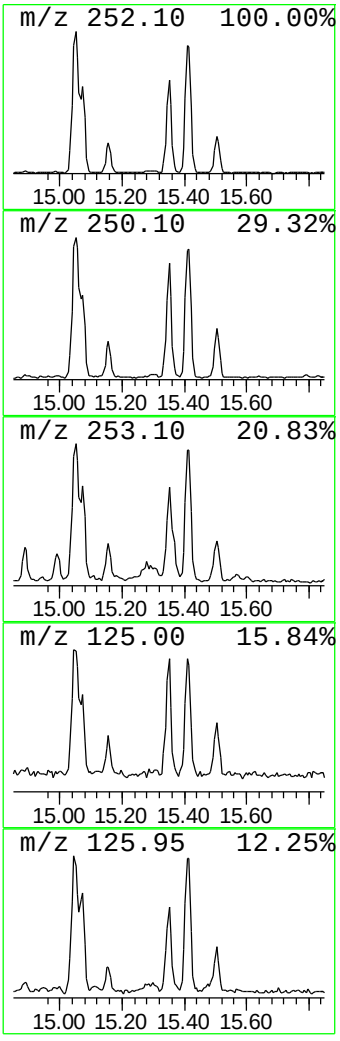
Peak Number 20 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	12.19 ng	342627	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090619\
Data File : BF116866.D
Acq On : 6 Sep 2019 18:16
Operator : HP/JU
Sample : K4164-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200030

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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
Butane, 2-methoxy...	2.12	17.8	ng	454596	1	6.85	509816	20.0
unknown6.62	6.62	93.4	ng	2379980	1	6.85	509816	20.0
unknown10.79	10.79	2.9	ng	97741	4	11.36	683951	20.0
unknown11.22	11.22	2.9	ng	99700	4	11.36	683951	20.0
Naphtho[1,2-b]thi...	11.26	3.3	ng	113060	4	11.36	683951	20.0
1H-Cyclopropa[l]p...	11.87	5.5	ng	186399	4	11.36	683951	20.0
Anthracene, 2-met...	11.89	13.1	ng	448329	4	11.36	683951	20.0
4H-Cyclopenta[def...	11.97	9.8	ng	336899	4	11.36	683951	20.0
Phenanthrene, 2-m...	12.00	3.2	ng	108740	4	11.36	683951	20.0
1,2,4,8-Tetrameth...	12.16	2.9	ng	98298	4	11.36	683951	20.0
Phenanthrene, 2,5...	12.42	4.3	ng	147770	4	11.36	683951	20.0
unknown12.45	12.45	3.0	ng	104473	4	11.36	683951	20.0
Cyclopenta(def)ph...	12.50	3.0	ng	102391	4	11.36	683951	20.0
Octadecanoic acid	12.67	4.0	ng	135452	4	11.36	683951	20.0
Pyrene, 1-methyl-	13.02	3.0	ng	173312	5	14.00	1147700	20.0
11H-Benzo[b]fluorene	13.13	3.9	ng	225547	5	14.00	1147700	20.0
1-Nonadecene	13.84	6.5	ng	375597	5	14.00	1147700	20.0
Octadecane	14.78	2.9	ng	82528	6	15.47	562257	20.0
Perylene	15.35	12.2	ng	342627	6	15.47	562257	20.0