LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113215.D
Acq On : 21 Mar 2019 18:23
Operator : JU/SJ
Sample : K2010-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.269	367	371	379	rBV	35712	51935	1.13%	0.083%
2	4.934	480	484	490	rVB	36957	52414	1.14%	0.084%
3	5.345	549	554	557	rBV	3724885	3987274	86.48%	6.402%
4	6.375	723	729	732	rBV	3672441	4468597	96.92%	7.175%
5	6.498	745	750	753	rBV	4019267	4151037	90.03%	6.665%
6	6.563	757	761	771	rVB3	38567	71869	1.56%	0.115%
7	6.722	785	788	792	rBV	1229505	973619	21.12%	1.563%
8	6.881	811	815	818	rBV	3983282	3386725	73.46%	5.438%
9	7.286	878	884	887	rBV	2900206	2971481	64.45%	4.771%
10	8.004	1002	1006	1009	rBV	1305577	1186925	25.74%	1.906%
11	8.716	1123	1127	1134	rBV	57133	59342	1.29%	0.095%
12	8.816	1140	1144	1148	rBV	61263	53732	1.17%	0.086%
13	9.080	1184	1189	1192	rBV	5000120	4610472	100.00%	7.403%
14	9.175	1202	1205	1212	rVB2	35208	47783	1.04%	0.077%
15	9.416	1243	1246	1249	rBV	52112	55709	1.21%	0.089%
16	9.469	1253	1255	1263	rVB	392216	397329	8.62%	0.638%
17	9.616	1275	1280	1286	rVB	90761	81845	1.78%	0.131%
18	9.757	1298	1304	1307	rBV	1584104	1457266	31.61%	2.340%
19	9.786	1307	1309	1313	rVB	168658	139318	3.02%	0.224%
20	9.957	1335	1338	1343	rBV	99523	115996	2.52%	0.186%
21	10.298	1393	1396	1402	rVB2	142042	137195	2.98%	0.220%
22	10.457	1421	1423	1427	rVB	65310	57444	1.25%	0.092%
23	10.545	1433	1438	1453	rBV	3132935	3170391	68.76%	5.091%
24	10.669	1456	1459	1466	rVB2	66459	106304	2.31%	0.171%
25	10.851	1483	1490	1492	rBV4	41528	67999	1.47%	0.109%
26	10.974	1506	1511	1513	rBV2	43257	56236	1.22%	0.090%
27	11.039	1520	1522	1527	rVB	101583	94670	2.05%	0.152%
28	11.092	1527	1531	1533	rVV2	60969	83352	1.81%	0.134%
29	11.133	1536	1538	1543	rVB	95938	103965	2.25%	0.167%
30	11.233	1551	1555	1557	rBV	1385275	1259663	27.32%	2.023%
31	11.257	1557	1559	1563	rVV	1658808	1430394	31.02%	2.297%
32	11.310	1563	1568	1572	rVB	269547	269424	5.84%	0.433%
33	11.463	1589	1594	1597	rBV2	152248	190087	4.12%	0.305%
34	11.533	1603	1606	1609	rBV3	76744	74236	1.61%	0.119%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2010-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.568	1609	1612	1617	rVB4	52759	57756	1.25%	0.093%
36	11.627	1617	1622	1625	rBV3	74443	82673	1.79%	0.133%
37	11.733	1636	1640	1643	rBV	235602	238485	5.17%	0.383%
38	11.774	1643	1647	1651	rVV2	744314	957804	20.77%	1.538%
39	11.810	1651	1653	1656	rVV	138471	172860	3.75%	0.278%
40	11.845	1656	1659	1661	rVV	356855	373937	8.11%	0.600%
41	11.868	1661	1663	1668	rVB	203619	184662	4.01%	0.297%
42	11.945	1673	1676	1678	rVB3	56694	55516	1.20%	0.089%
43	12.027	1686	1690	1693	rBV2	208208	305925	6.64%	0.491%
44	12.057	1693	1695	1699	rVB	220288	194164	4.21%	0.312%
45	12.104	1700	1703	1707	rVB	70456	68702	1.49%	0.110%
46	12.180	1711	1716	1719	rBV	429708	428988	9.30%	0.689%
47	12.263	1727	1730	1731	rBV	71971	71353	1.55%	0.115%
48	12.286	1731	1734	1737	rVV2	103294	113160	2.45%	0.182%
49	12.368	1745	1748	1753	rVB2	191061	202886	4.40%	0.326%
50	12.445	1757	1761	1765	rBV	2502465	2268334	49.20%	3.642%
51	12.486	1765	1768	1771	rBV2	154967	144341	3.13%	0.232%
52	12.551	1775	1779	1782	rBV3	206241	273348	5.93%	0.439%
53	12.674	1794	1800	1803	rBV	2264499	2442098	52.97%	3.921%
54	12.721	1806	1808	1815	rVB2	136276	178441	3.87%	0.287%
55	12.786	1816	1819	1821	rBV2	207984	221938	4.81%	0.356%
56	12.821	1821	1825	1831	rVB	3439866	3570350	77.44%	5.733%
57	12.892	1832	1837	1840	rBV2	176879	269674	5.85%	0.433%
58	12.933	1840	1844	1845	rVV2	87962	111602	2.42%	0.179%
59	12.957	1845	1848	1850	rVV	267518	289262	6.27%	0.464%
60	12.974	1850	1851	1853	rVV2	175463	180162	3.91%	0.289%
61	12.998	1853	1855	1858	rVB	277453	260262	5.65%	0.418%
62	13.063	1863	1866	1869	rBV2	147149	162591	3.53%	0.261%
63	13.104	1869	1873	1875	rBV	360626	376257	8.16%	0.604%
64	13.198	1886	1889	1891	rBV	166396	160754	3.49%	0.258%
65	13.227	1891	1894	1897	rVB	196327	179595	3.90%	0.288%
66	13.315	1907	1909	1912	rVB3	88934	86416	1.87%	0.139%
67	13.398	1917	1923	1925	rBV5	98389	185501	4.02%	0.298%
68	13.504	1938	1941	1946	rVB	277179	266974	5.79%	0.429%
69	13.615	1955	1960	1962	rBV2	268673	305183	6.62%	0.490%
70	13.645	1962	1965	1967	rVV	201937	194312	4.21%	0.312%
71	13.668	1967	1969	1974	rVV2	188721	240484	5.22%	0.386%

LSC Area Percent Report

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Sample : K2010-01
Misc :
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Instrument : BNA_F
ClientSampleId : TP-1

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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.715	1974	1977	1979	rVV	166828	164428	3.57%	0.264%
73	13.745	1979	1982	1987	rVV2	145480	235918	5.12%	0.379%
74	13.862	1995	2002	2005	rBV2	1496166	2305771	50.01%	3.702%
75	13.892	2005	2007	2015	rVB	1322680	1228082	26.64%	1.972%
76	13.968	2018	2020	2023	rVB	108210	91660	1.99%	0.147%
77	14.039	2029	2032	2037	rVV5	95383	124623	2.70%	0.200%
78	14.092	2037	2041	2044	rVV2	101776	133863	2.90%	0.215%
79	14.121	2044	2046	2049	rVB2	51224	50574	1.10%	0.081%
80	14.251	2065	2068	2071	rVB	224197	192567	4.18%	0.309%
81	14.286	2071	2074	2078	rBV2	121806	113511	2.46%	0.182%
82	14.345	2081	2084	2087	rVB2	174702	174139	3.78%	0.280%
83	14.374	2087	2089	2091	rBV	124129	117998	2.56%	0.189%
84	14.639	2131	2134	2136	rBV2	139084	143221	3.11%	0.230%
85	14.715	2144	2147	2153	rVB3	181673	226813	4.92%	0.364%
86	14.880	2171	2175	2184	rBV	965376	1744247	37.83%	2.801%
87	14.951	2185	2187	2190	rVV	173748	197969	4.29%	0.318%
88	14.980	2190	2192	2195	rVB	149179	136550	2.96%	0.219%
89	15.162	2219	2223	2228	rVB	562192	692210	15.01%	1.111%
90	15.221	2229	2233	2238	rBV	721359	824373	17.88%	1.324%
91	15.280	2238	2243	2245	rVV	648699	758025	16.44%	1.217%
92	15.309	2245	2248	2255	rVB2	294082	393131	8.53%	0.631%
93	16.645	2470	2475	2483	rVB2	274081	511644	11.10%	0.822%
94	17.050	2539	2544	2554	rVB	203867	417025	9.05%	0.670%

Sum of corrected areas: 62277120

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113215.D
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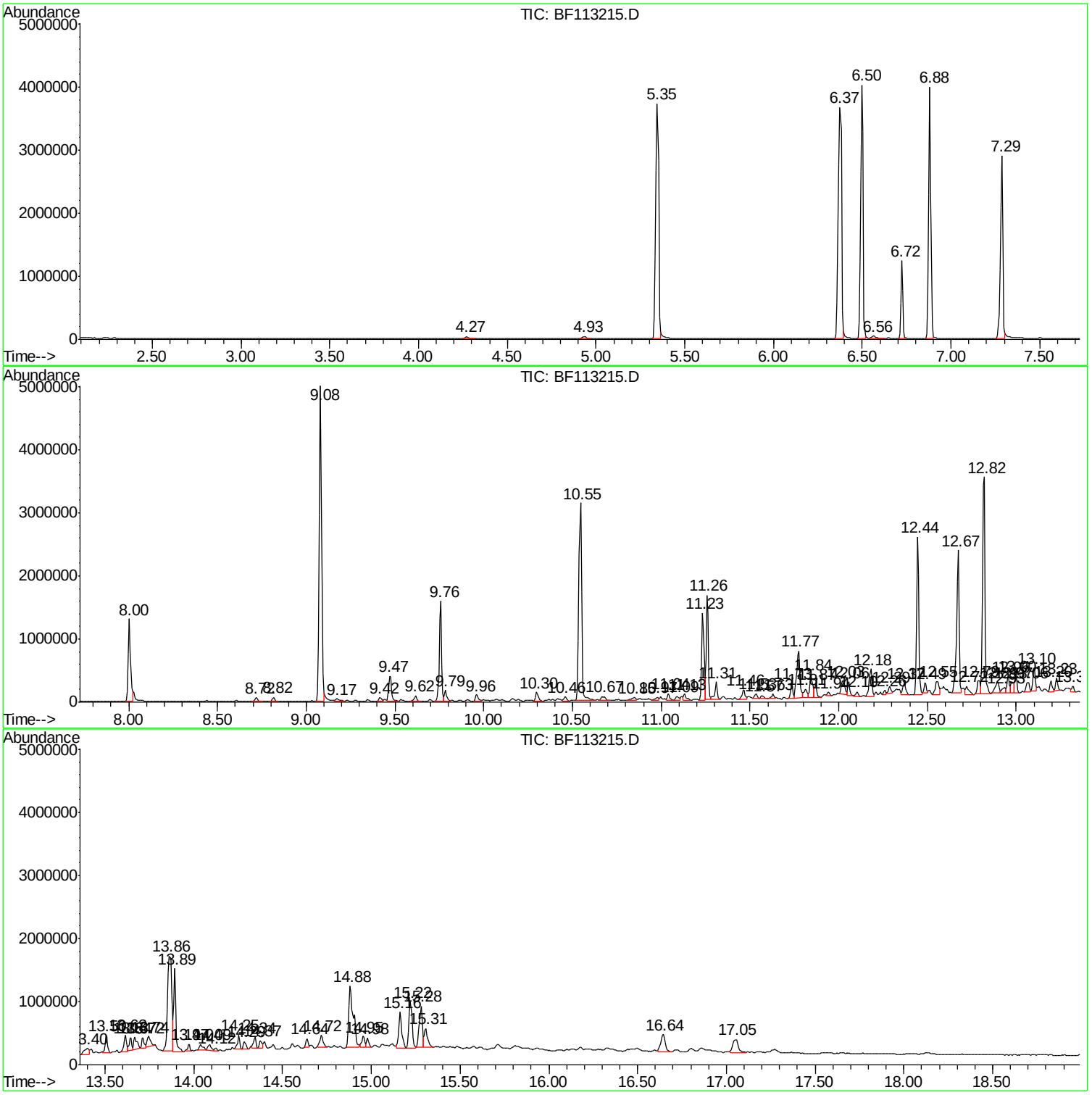
Operator : JU/SJ
Sample : K2010-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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\BF032119\
Data File : BF113215.D
Acq On : 21 Mar 2019 18:23
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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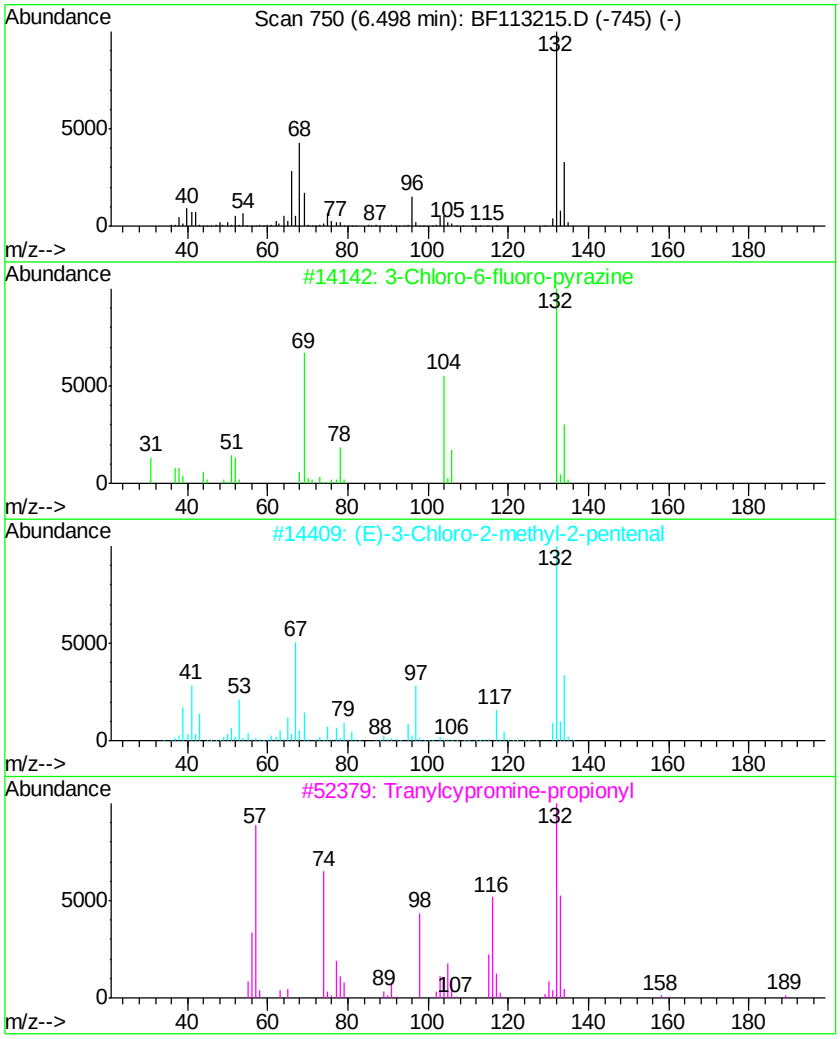
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

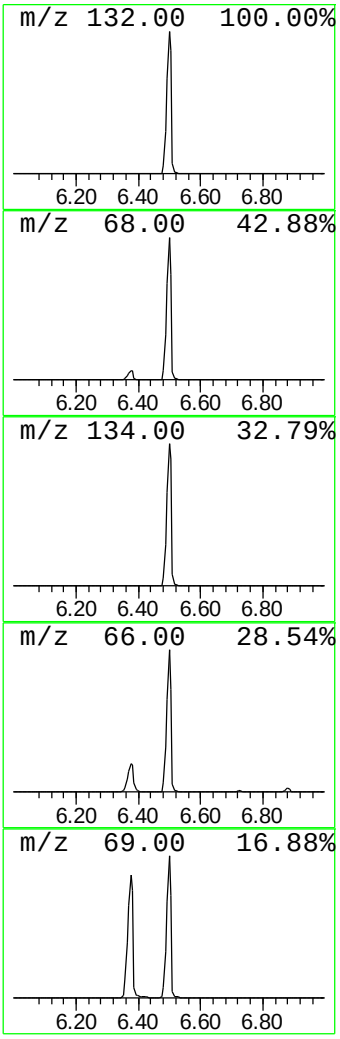
****

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	85.27 ng	4151040	1,4-Dichlorobenzene-d4	6.72

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	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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Sample : K2010-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

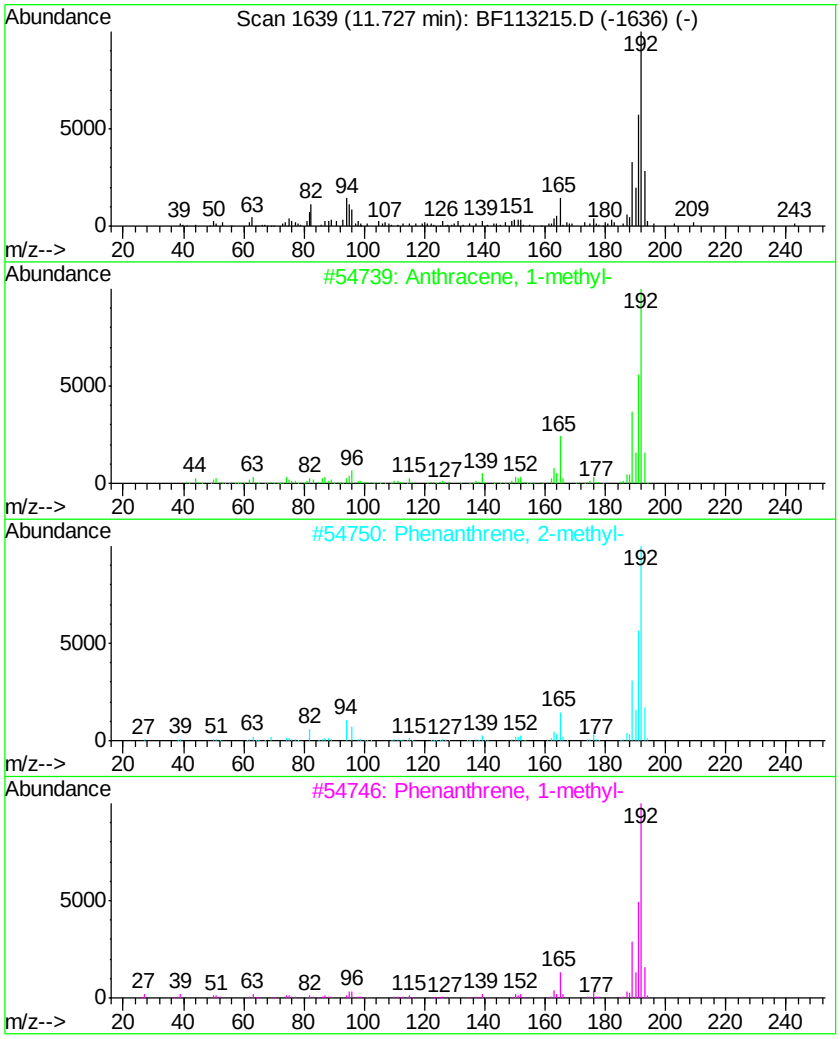
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

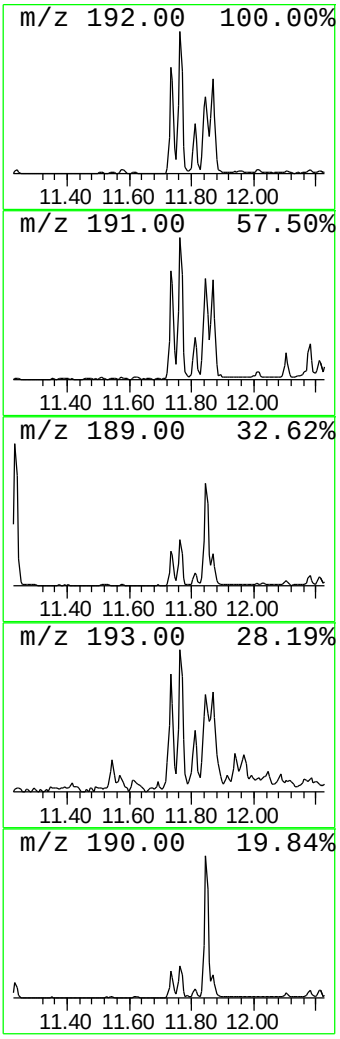
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	3.79 ng	238485	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113215.D
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Sample : K2010-01
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Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

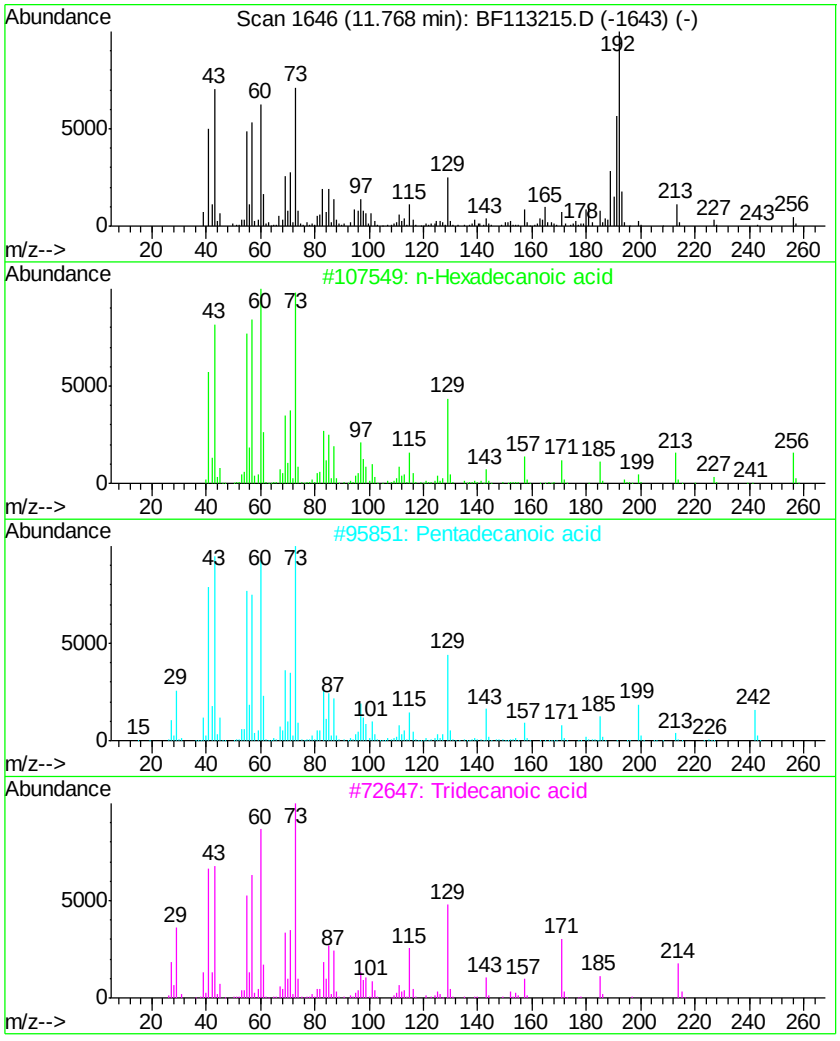
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

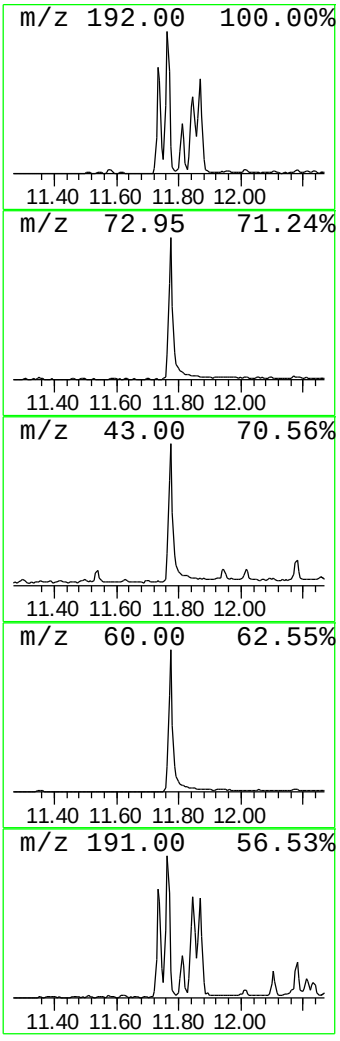
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	15.21 ng	957804	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

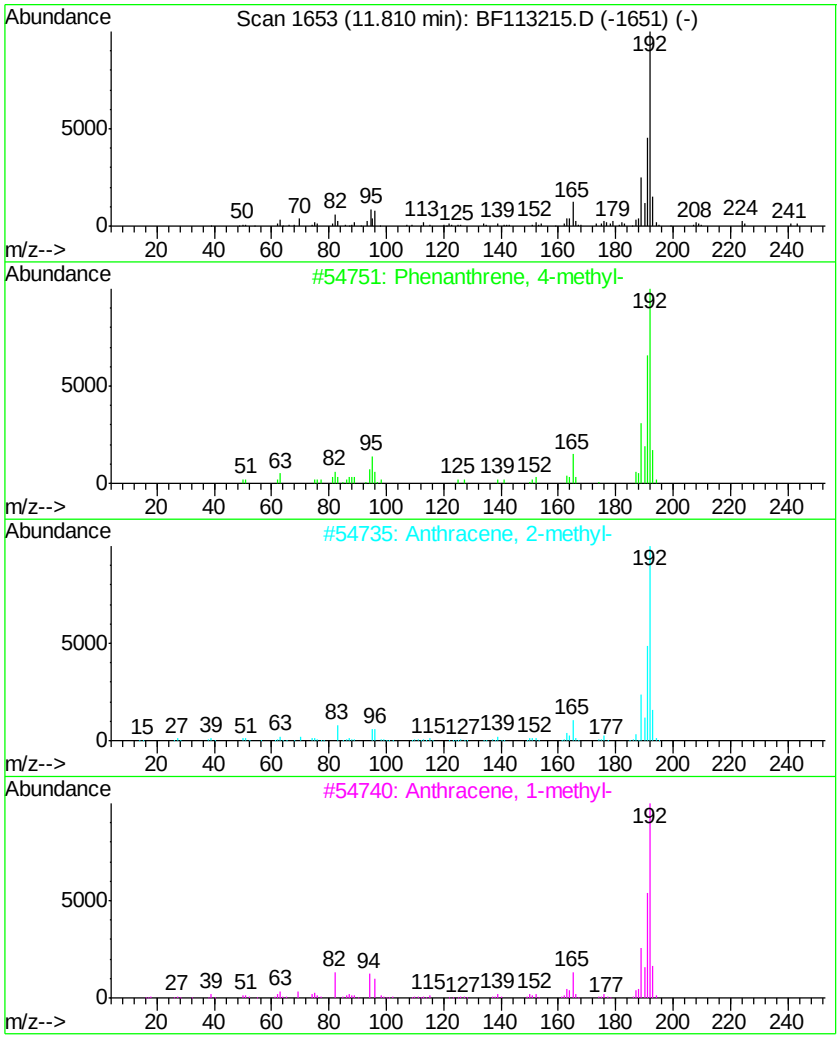
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

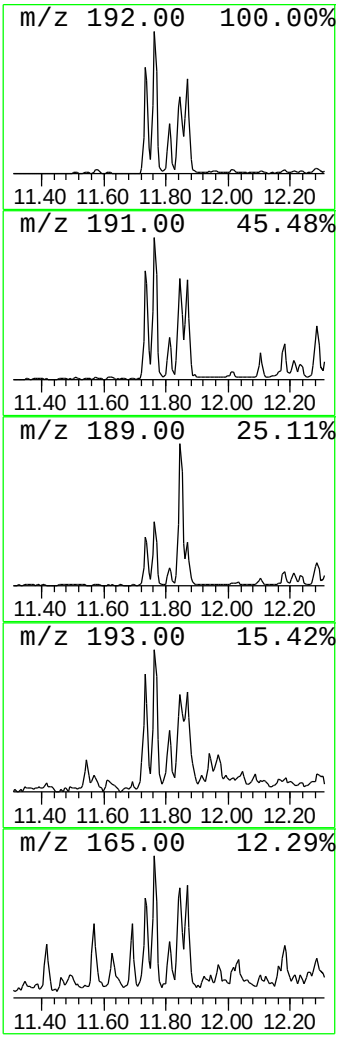
****

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	2.74 ng	172860	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Sample : K2010-01
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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

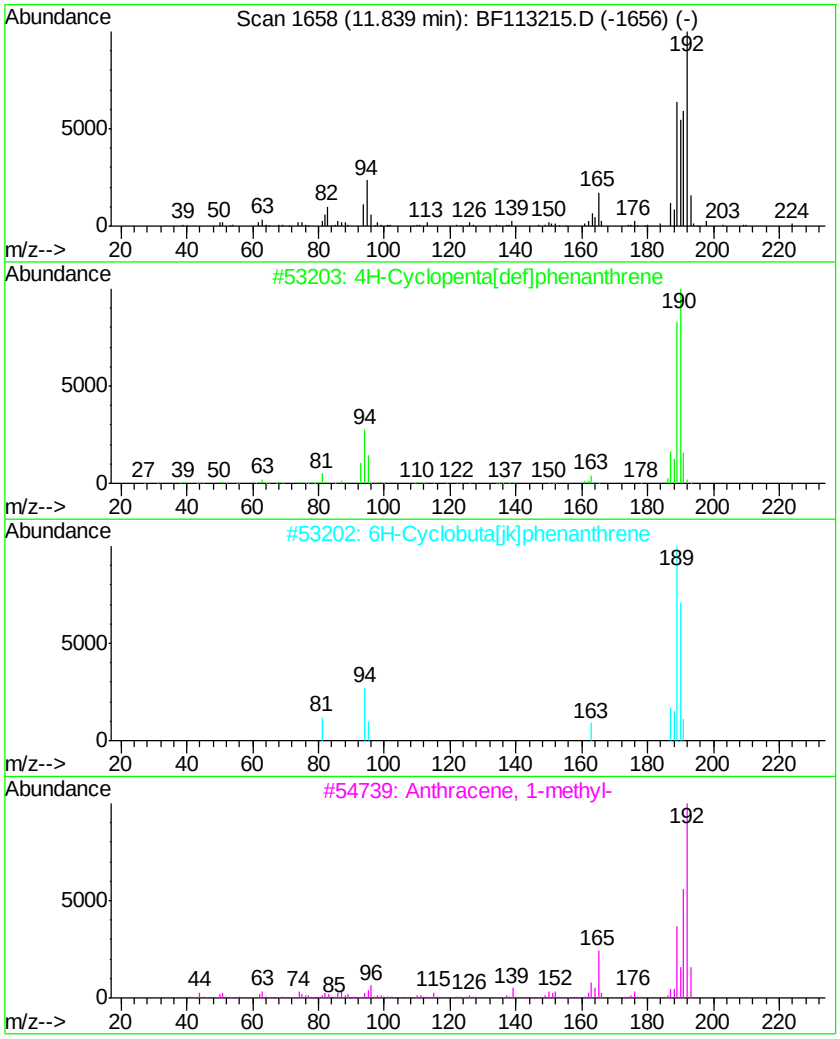
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

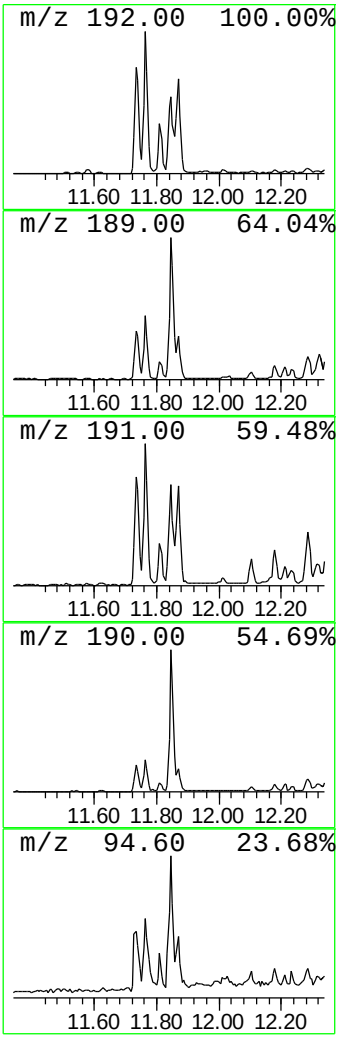
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	5.94 ng	373937	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113215.D
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Sample : K2010-01
Misc :
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Instrument : BNA_F
ClientSampleId : TP-1

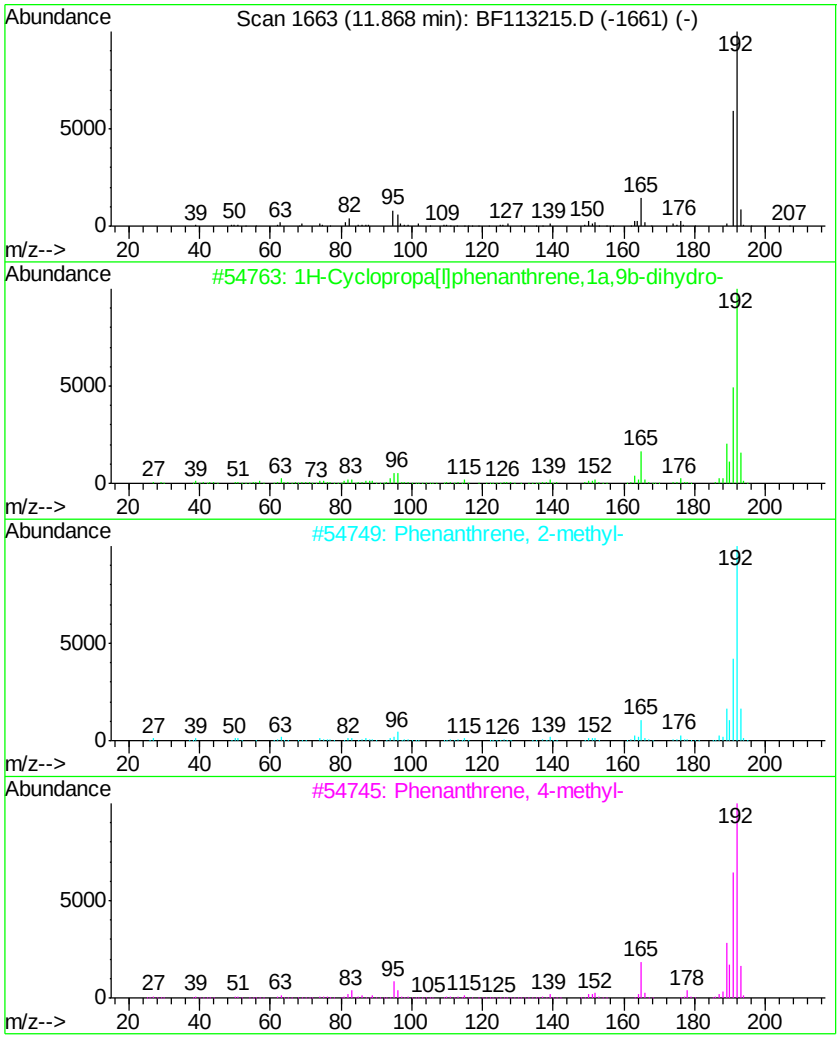
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

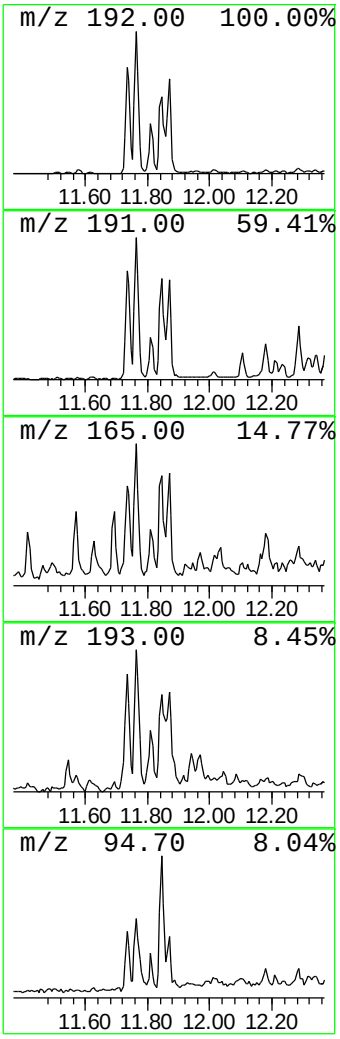
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.93 ng	184662	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86





Library Search Compound Report

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Acq On : 21 Mar 2019 18:23
Operator : JU/SJ
Sample : K2010-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

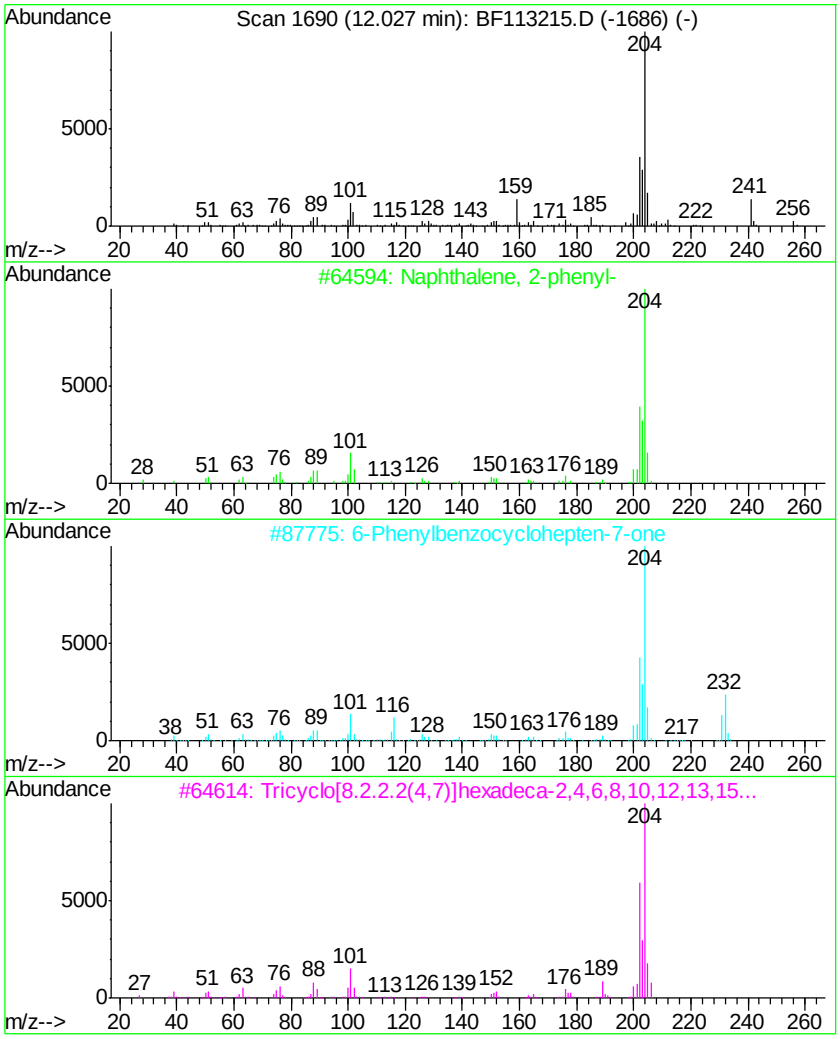
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

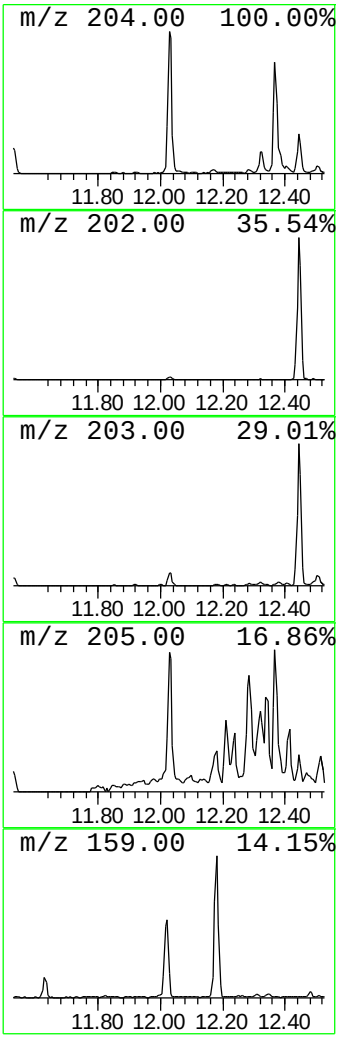
****

Peak Number 8 Naphthalene, 1-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	4.86 ng	305925	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	74
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	53
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50





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Sample : K2010-01
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Instrument : BNA_F
ClientSampleId : TP-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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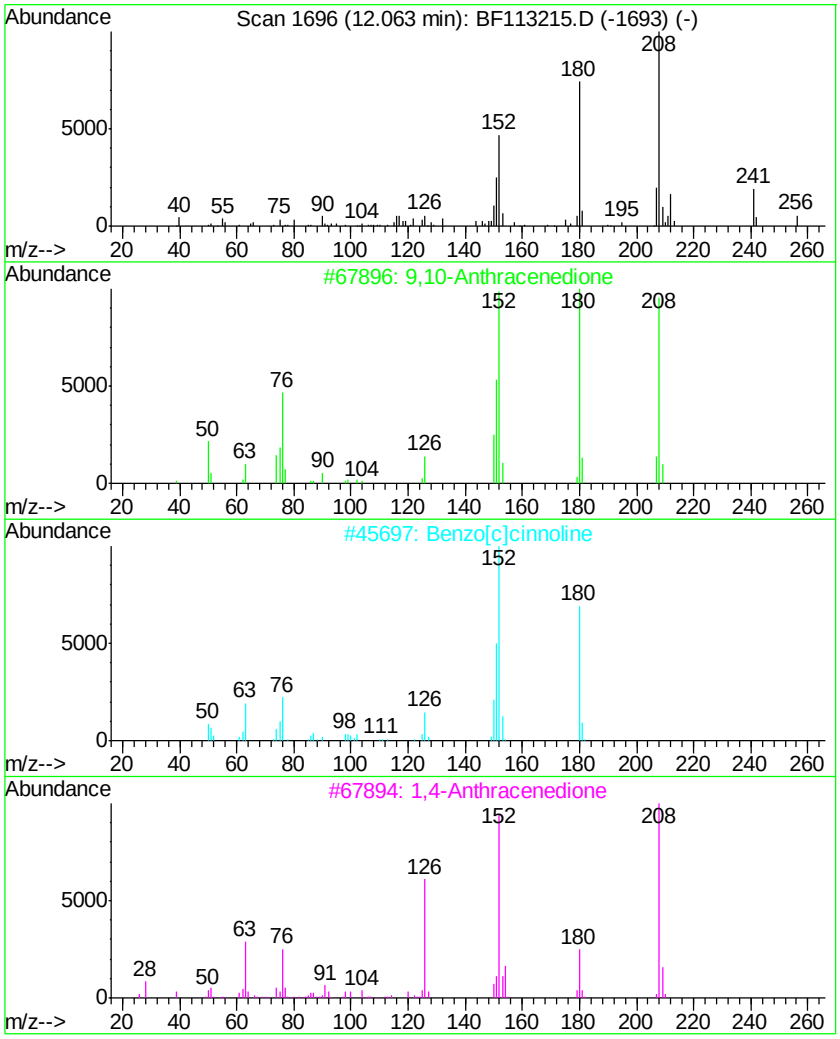
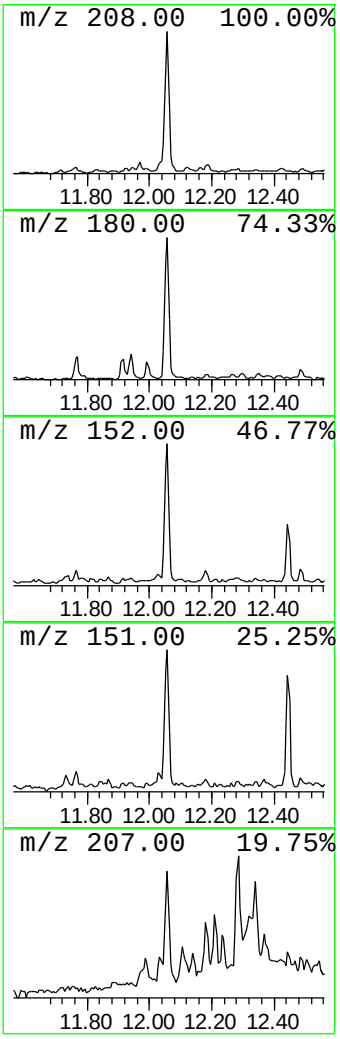
Peak Number 9 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	3.08 ng	194164	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52
4	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	52
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	49





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ClientSampleId : TP-1

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TIC Integration Parameters: LSCINT.P

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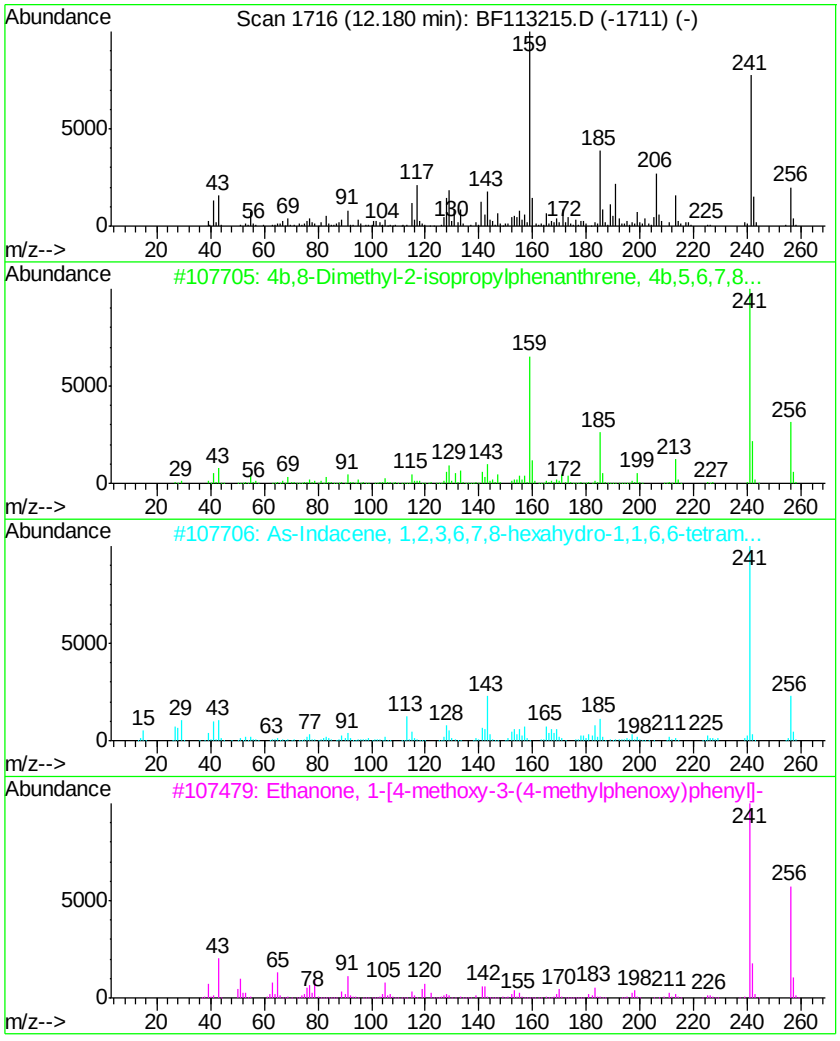
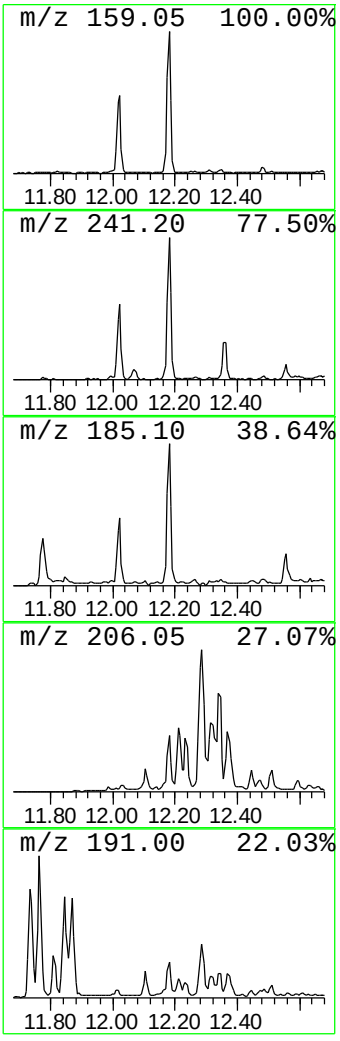
Peak Number 10 4b,8-Dimethyl-2-isopropylph... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	6.81 ng	428988	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	99
2	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	30
3	Ethanone, 1-[4-methoxy-3-(4-meth...	256	C16H16O3	116345-94-9	30
4	Benzene, 1,1'-(1-methylethyliden...	256	C17H20O2	001568-83-8	25
5	Bisphenol C	256	C17H20O2	000079-97-0	25





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ClientSampleId : TP-1

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

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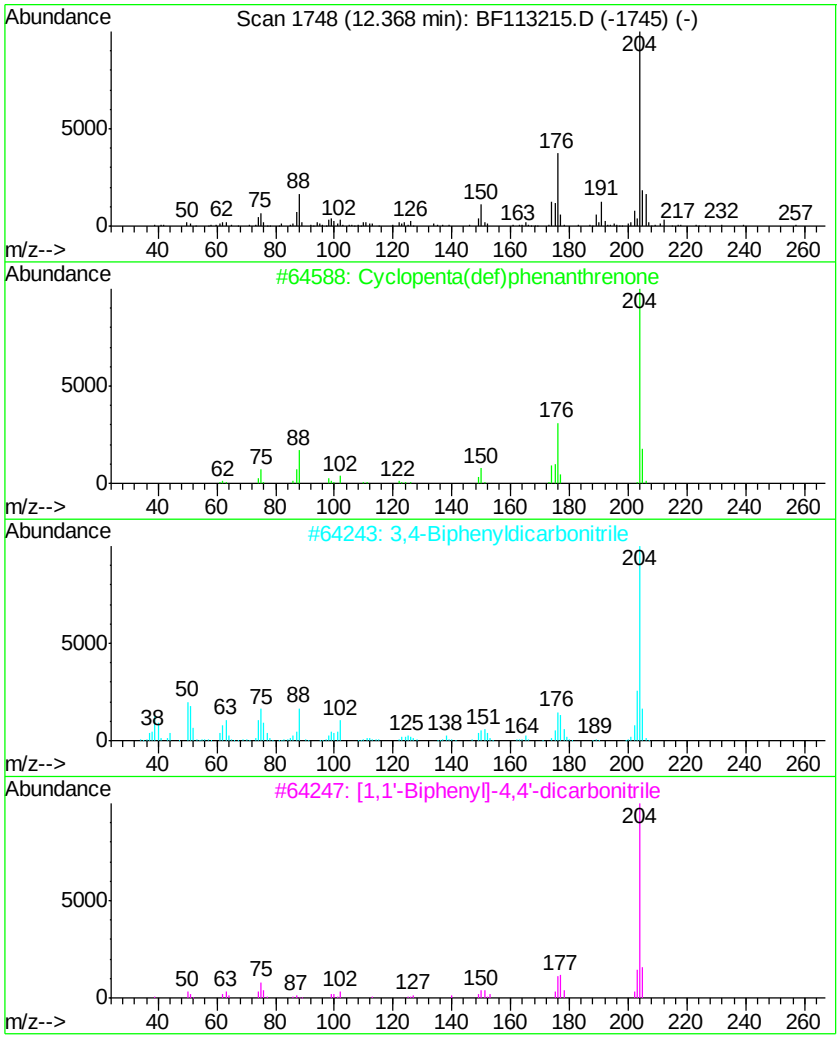
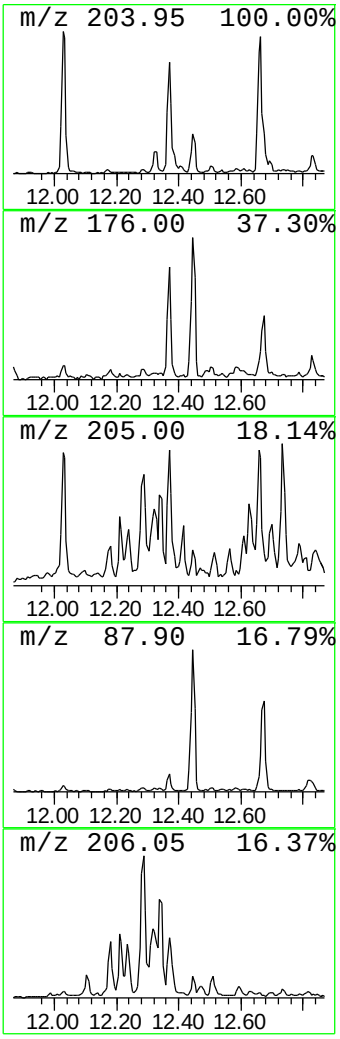
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	3.22 ng	202886	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46





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Sample : K2010-01
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ALS Vial : 18 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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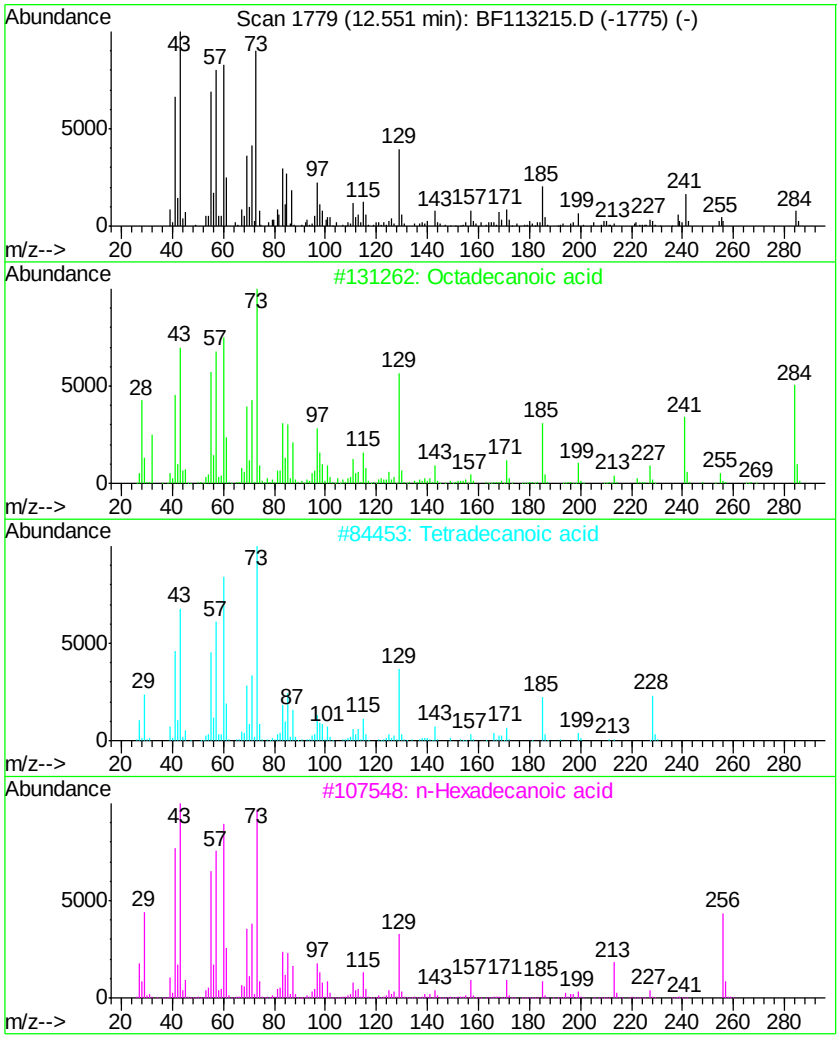
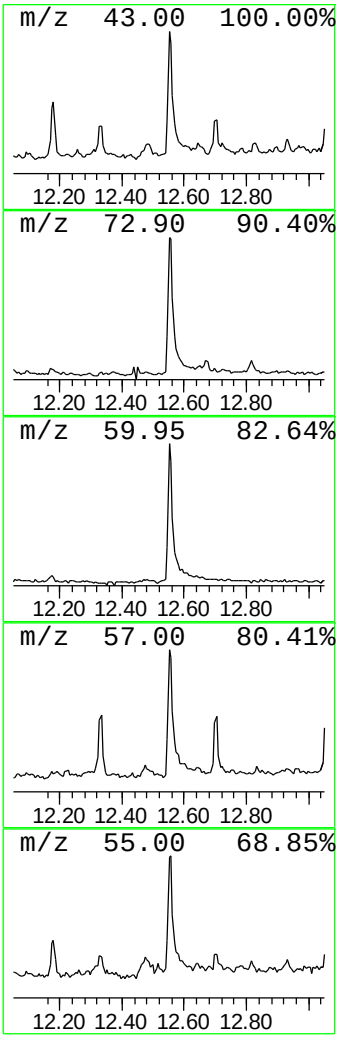
Peak Number 12 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	4.34 ng	273348	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
4	n-Decanoic acid	172	C10H20O2	000334-48-5	78
5	Undecanoic acid	186	C11H22O2	000112-37-8	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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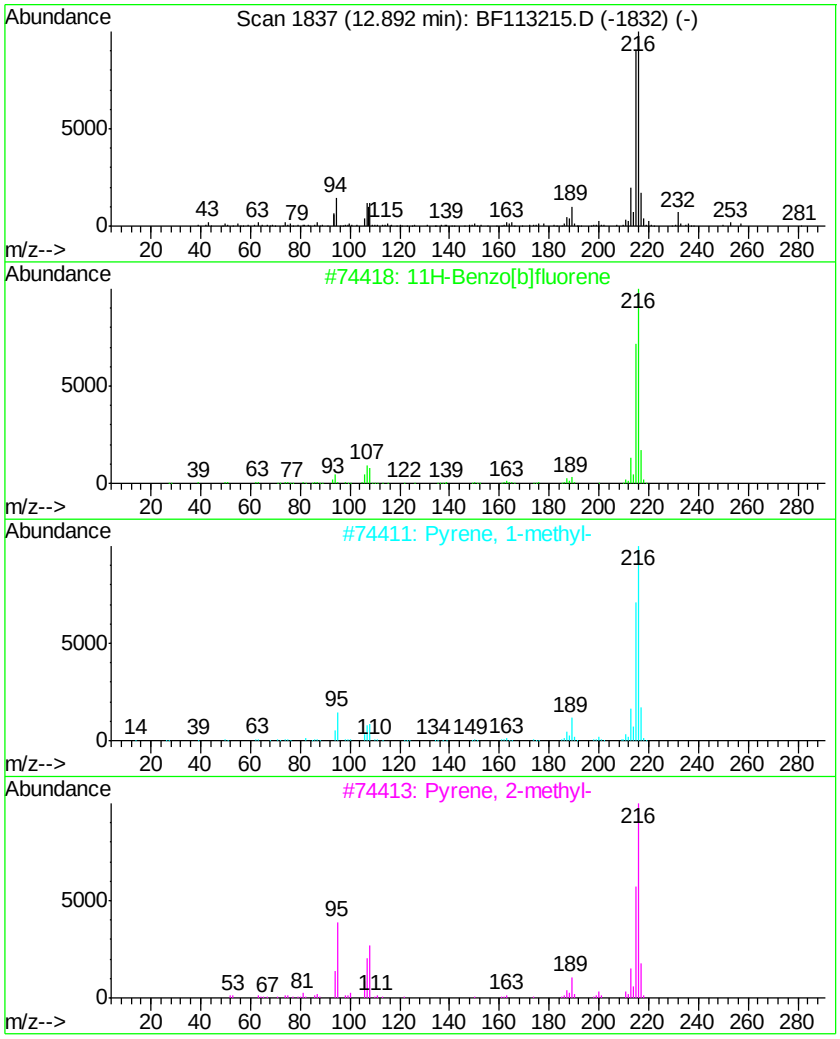
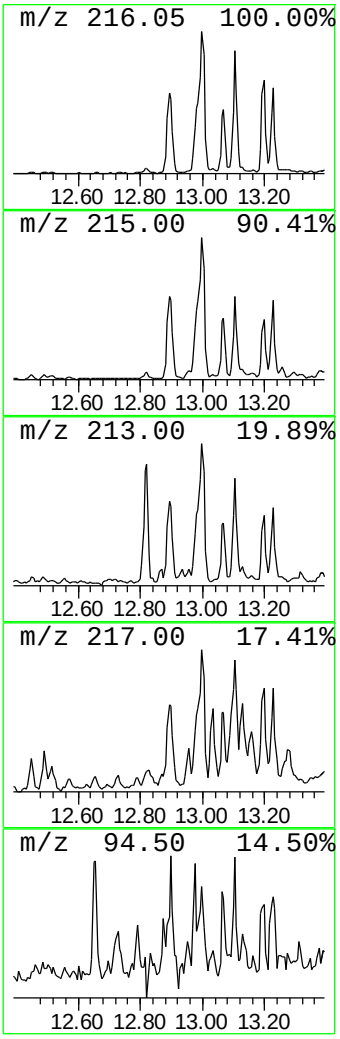
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	2.34 ng	269674	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Operator : JU/SJ
Sample : K2010-01
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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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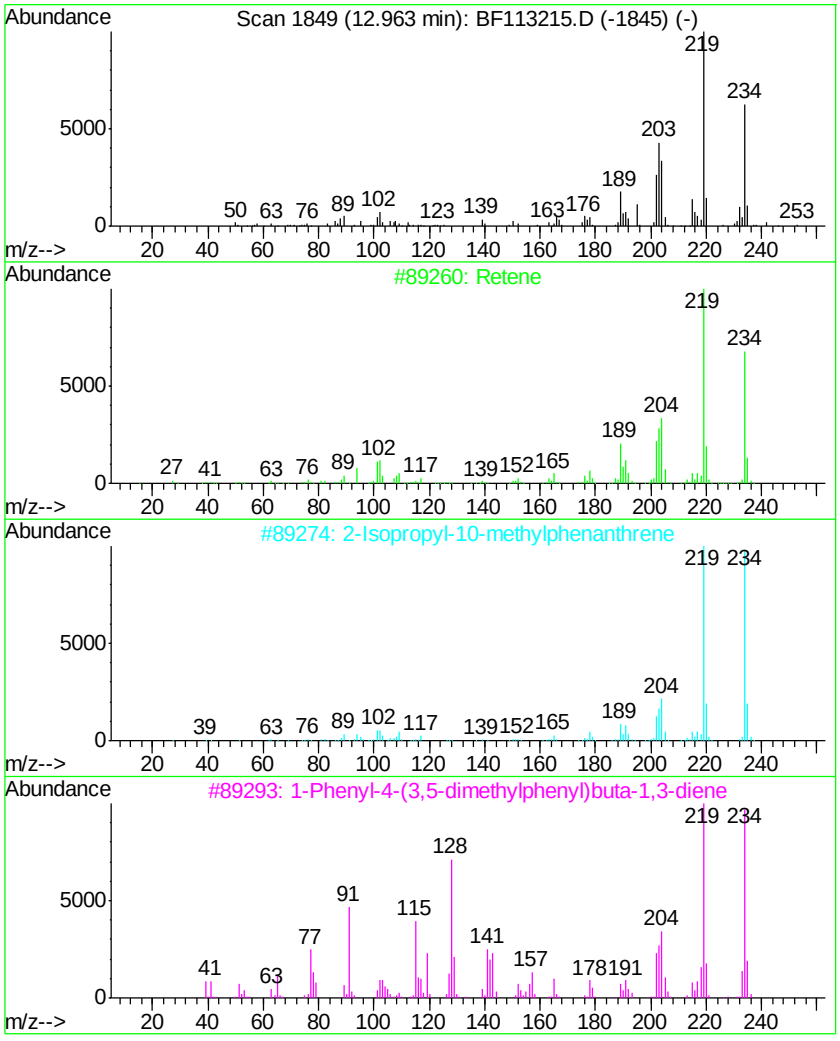
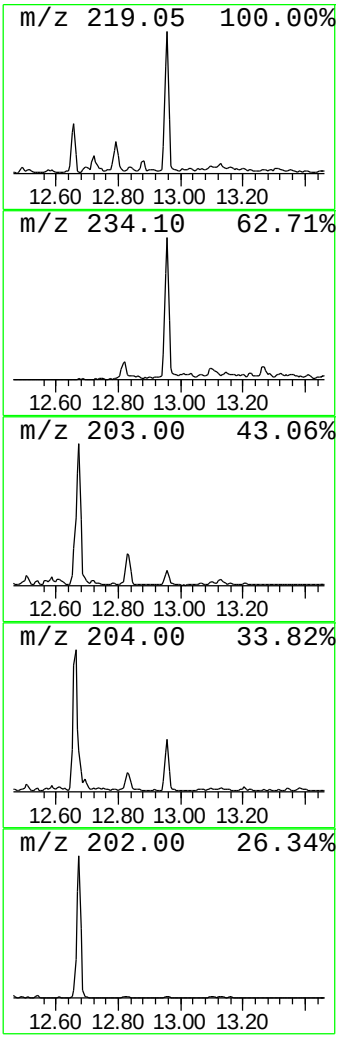
Peak Number 14 Retene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.51 ng	289262	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	93
3	1-Phenyl-4-(3,5-dimethylphenyl)b...	234	C18H18	1000202-15-0	87
4	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	53
5	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	52





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Instrument : BNA_F
ClientSampleId : TP-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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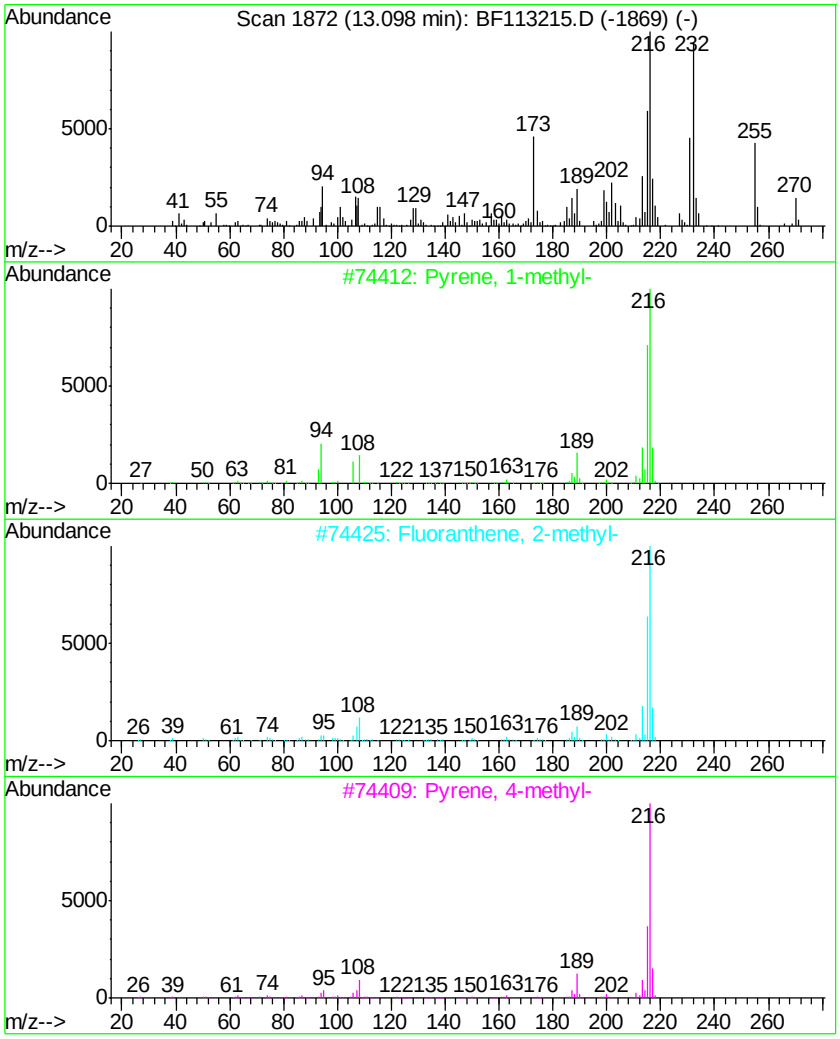
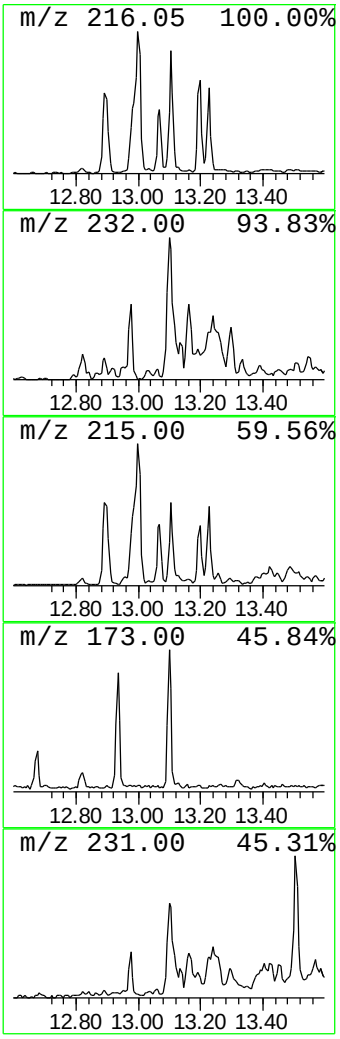
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.26 ng	376257	Chrysene-d12	13.87

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	91
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60





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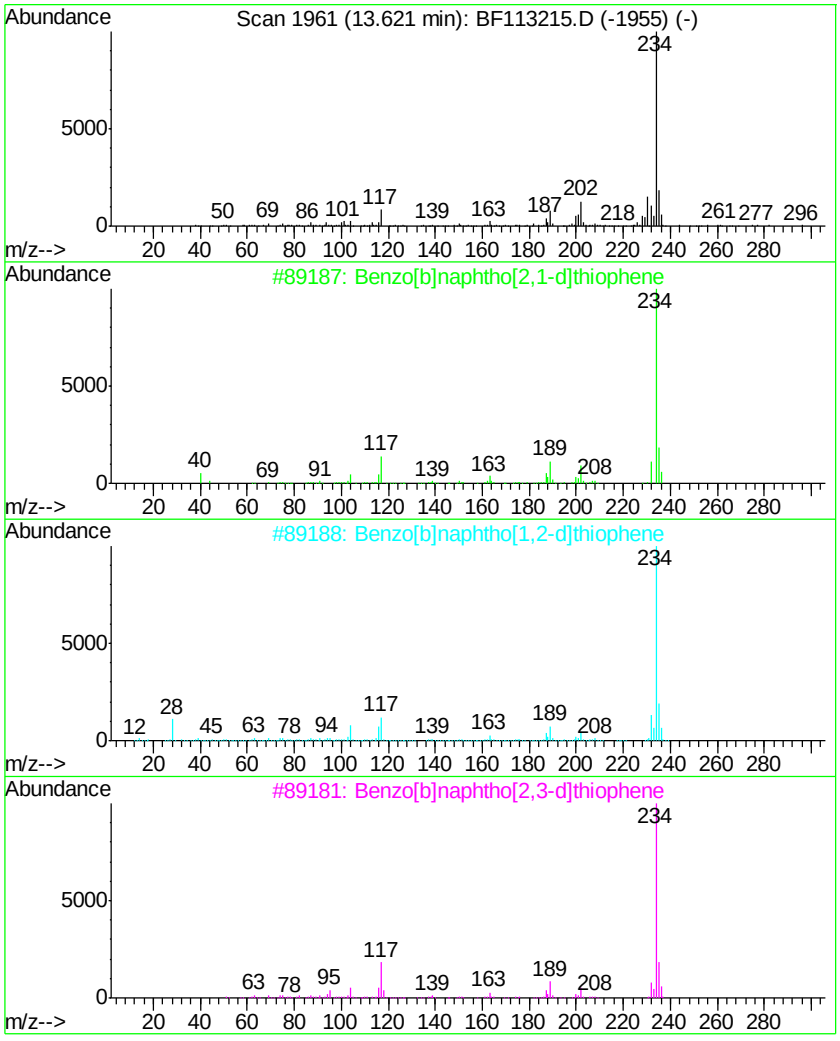
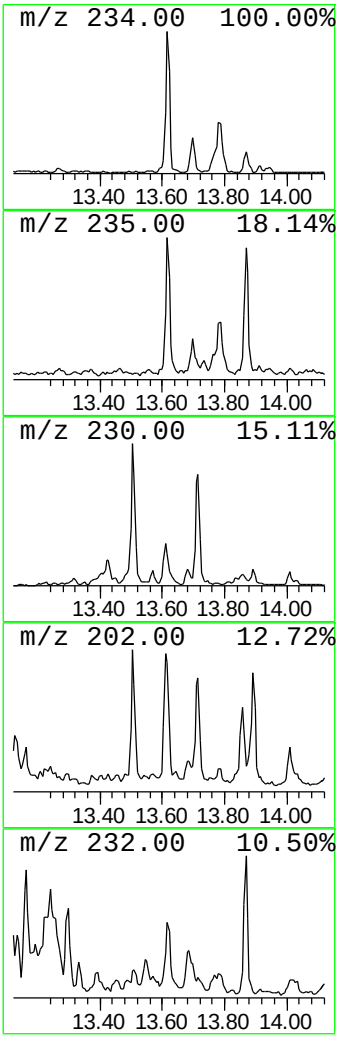
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	2.65 ng	305183	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	58
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	49
5	1,9,12-Trioxa-4,6-diazacyclotetr...	234	C9H18N2O3S	075491-64-4	38





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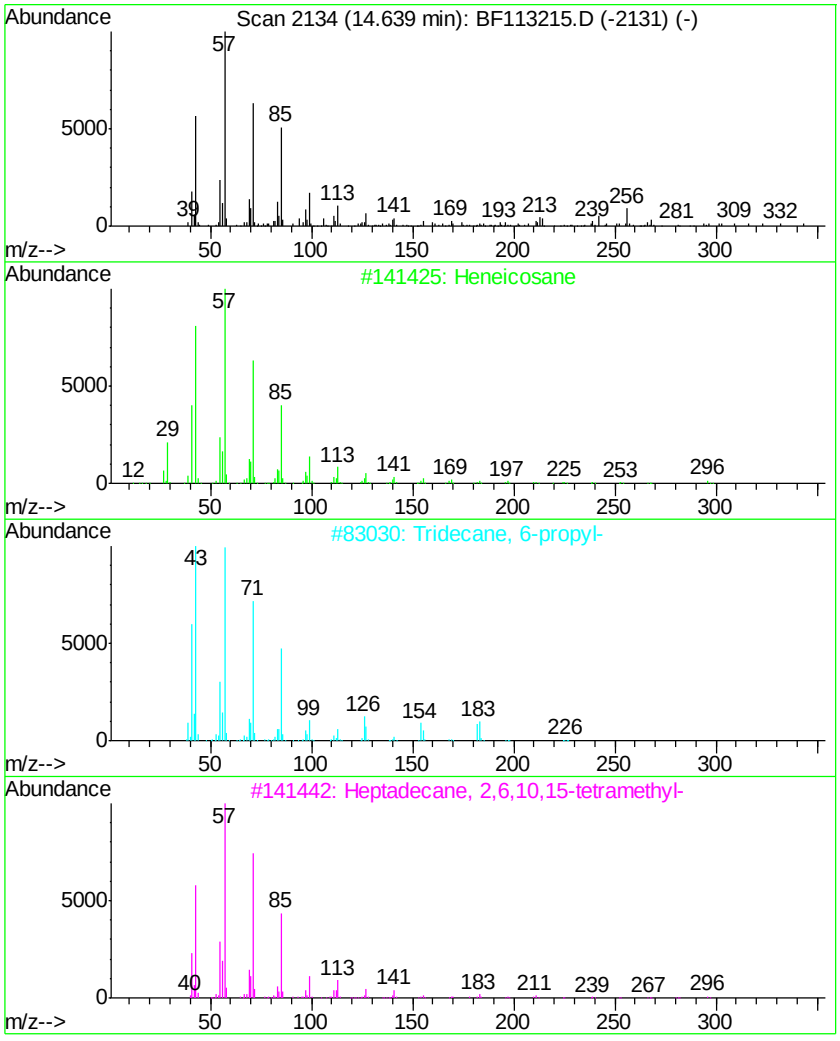
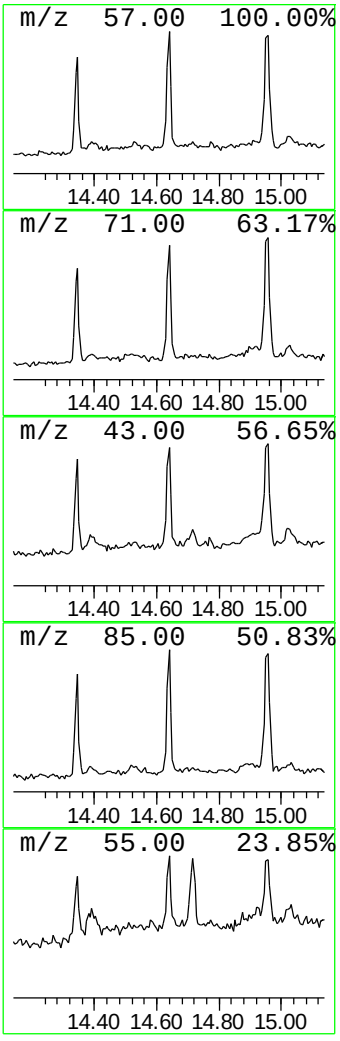
Peak Number 17 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	3.78 ng	143221	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	83
2	Tridecane, 6-propyl-	226	C16H34	055045-10-8	81
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	81
4	Heptadecane	240	C17H36	000629-78-7	81
5	Nonadecane	268	C19H40	000629-92-5	80





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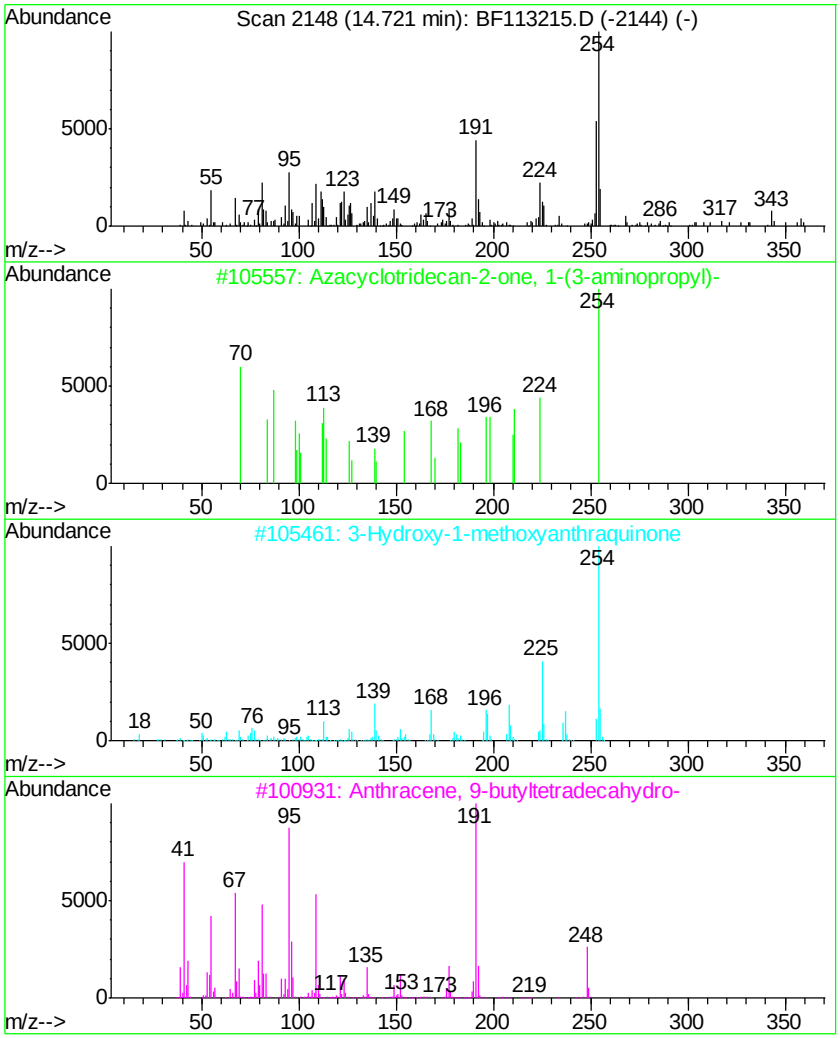
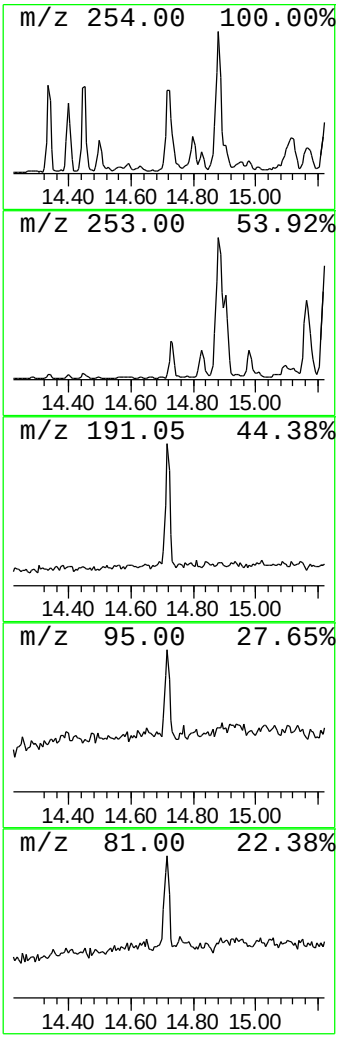
Peak Number 18 Azacyclotridecan-2-one, 1-(... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	5.98 ng	226813	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azacyclotridecan-2-one, 1-(3-ami...	254	C15H30N2O	064414-61-5	90
2	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	22
3	Anthracene, 9-butyltetradecahydro-	248	C18H32	055133-89-6	22
4	Chrysin	254	C15H10O4	000480-40-0	14
5	Ferrocene, (3-oxo-1-butenyl)-	254	C14H14FeO	012171-14-1	14





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113215.D
Acq On : 21 Mar 2019 18:23
Operator : JU/SJ
Sample : K2010-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

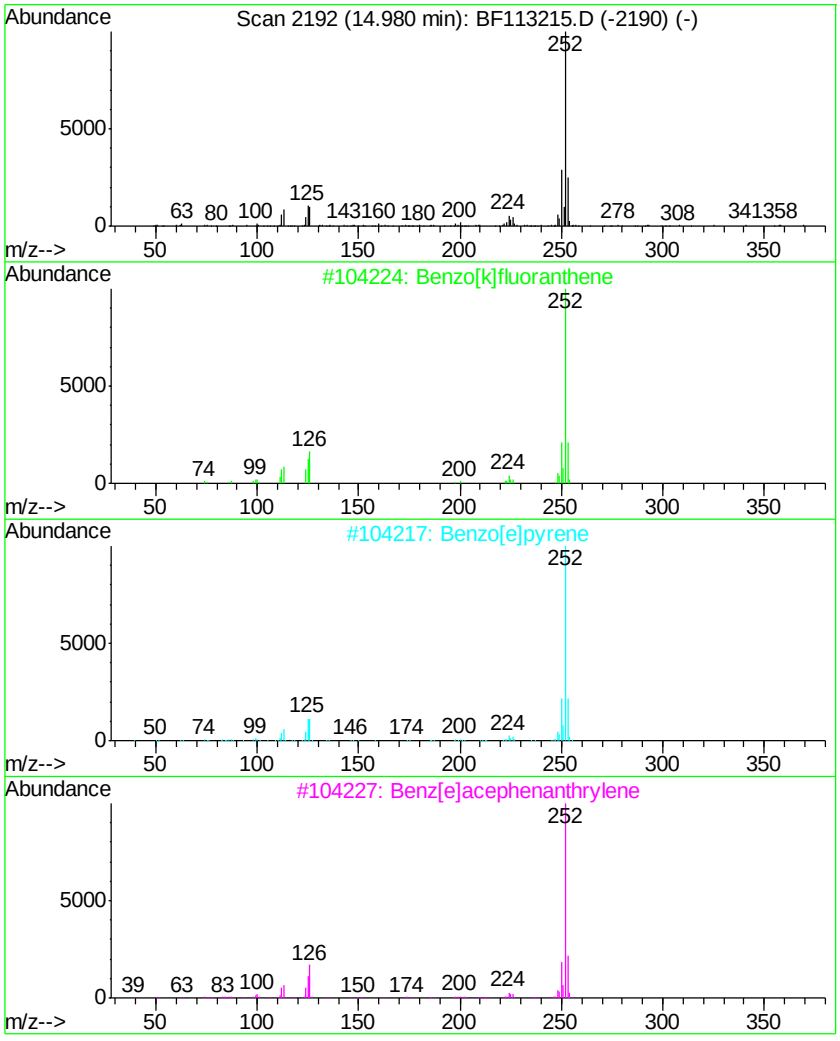
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

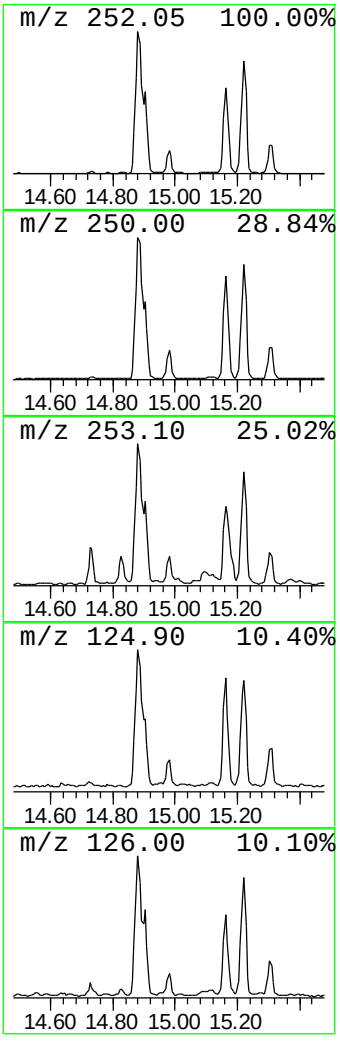
****

Peak Number 19 Perylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	3.60 ng	136550	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113215.D
Acq On : 21 Mar 2019 18:23
Operator : JU/SJ
Sample : K2010-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

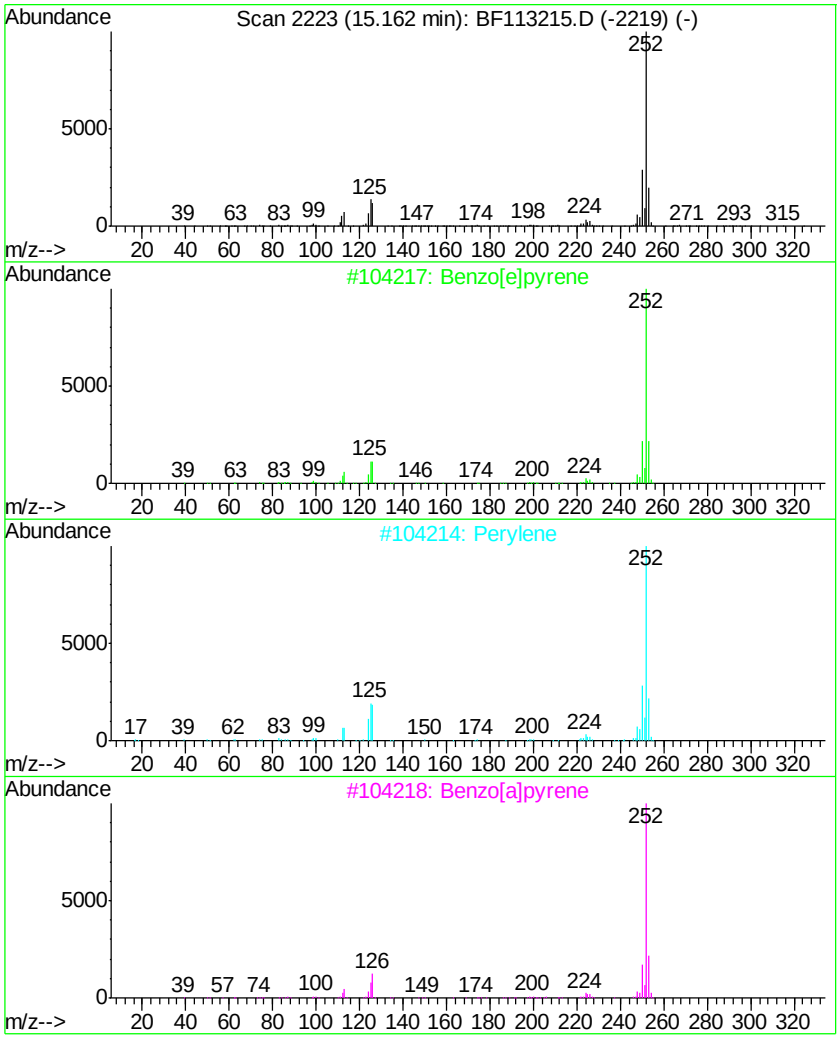
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

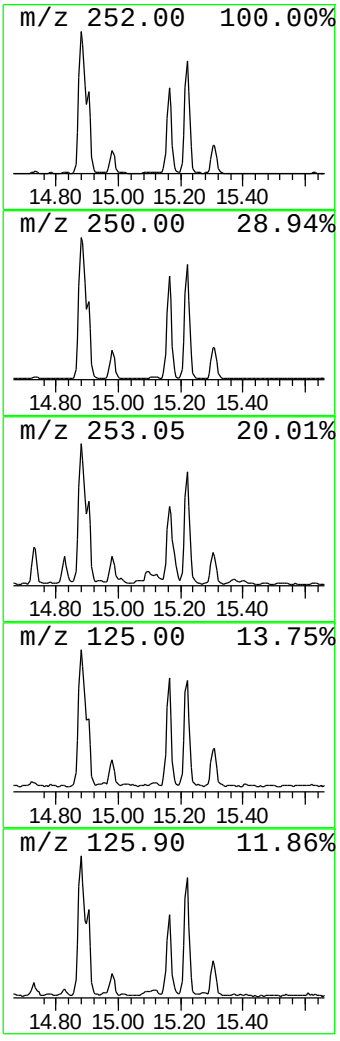
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	18.26 ng	692210	Perylene-d12	15.28

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[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113215.D
Acq On : 21 Mar 2019 18:23
Operator : JU/SJ
Sample : K2010-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.50	6.50	85.3	ng	4151040	1	6.72	973619	20.0
Anthracene, 1-met...	11.73	3.8	ng	238485	4	11.23	1259660	20.0
n-Hexadecanoic acid	11.77	15.2	ng	957804	4	11.23	1259660	20.0
Phenanthrene, 4-m...	11.81	2.7	ng	172860	4	11.23	1259660	20.0
4H-Cyclopenta[def...	11.84	5.9	ng	373937	4	11.23	1259660	20.0
1H-Cyclopropa[l]p...	11.87	2.9	ng	184662	4	11.23	1259660	20.0
Naphthalene, 1-ph...	12.03	4.9	ng	305925	4	11.23	1259660	20.0
9,10-Anthracenedione	12.06	3.1	ng	194164	4	11.23	1259660	20.0
4b,8-Dimethyl-2-i...	12.18	6.8	ng	428988	4	11.23	1259660	20.0
Cyclopenta(def)ph...	12.37	3.2	ng	202886	4	11.23	1259660	20.0
Octadecanoic acid	12.55	4.3	ng	273348	4	11.23	1259660	20.0
11H-Benzo[b]fluorene	12.89	2.3	ng	269674	5	13.87	2305770	20.0
Retene	12.96	2.5	ng	289262	5	13.87	2305770	20.0
Pyrene, 1-methyl-	13.10	3.3	ng	376257	5	13.87	2305770	20.0
Benzo[b]naphtho[2...	13.62	2.6	ng	305183	5	13.87	2305770	20.0
Heneicosane	14.64	3.8	ng	143221	6	15.28	758025	20.0
Azacyclotridecan-...	14.72	6.0	ng	226813	6	15.28	758025	20.0
Perylene	14.98	3.6	ng	136550	6	15.28	758025	20.0
Benzo[e]pyrene	15.16	18.3	ng	692210	6	15.28	758025	20.0