LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114188.D
Acq On : 12 May 2019 13:28
Operator : JU/SJ
Sample : K2766-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-0002-01

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-BF051019.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	2.110	3	4	38	rVB	1468967	2573057	11.63%	0.724%
2	5.481	572	577	580	rBV	5795476	5623494	25.41%	1.583%
3	6.492	744	749	752	rBV	6224204	6128457	27.70%	1.725%
4	6.622	767	771	775	rBV	6185814	5989066	27.07%	1.686%
5	6.851	806	810	813	rBV	1975949	1685450	7.62%	0.475%
6	7.010	832	837	840	rBV	5029700	4603100	20.80%	1.296%
7	7.410	897	905	908	rBV	4353603	4089382	18.48%	1.151%
8	8.133	1023	1028	1029	rBV	2291496	2202017	9.95%	0.620%
9	8.151	1029	1031	1035	rVB	2441486	1885140	8.52%	0.531%
10	8.845	1146	1149	1152	rVB	1626274	1356830	6.13%	0.382%
11	8.939	1162	1165	1169	rBV	1028177	931319	4.21%	0.262%
12	9.204	1206	1210	1213	rBV	6829098	5736037	25.92%	1.615%
13	9.545	1264	1268	1270	rBV	840325	854580	3.86%	0.241%
14	9.598	1274	1277	1282	rVV2	1219505	1596841	7.22%	0.450%
15	9.745	1298	1302	1306	rBV	3929240	3311385	14.96%	0.932%
16	9.886	1323	1326	1329	rVV	2619718	2408209	10.88%	0.678%
17	10.674	1455	1460	1464	rBV	4391457	4227640	19.11%	1.190%
18	10.798	1477	1481	1486	rBV3	927659	1102572	4.98%	0.310%
19	10.980	1508	1512	1514	rVV4	582331	823246	3.72%	0.232%
20	11.174	1542	1545	1549	rVB	1602844	1465835	6.62%	0.413%
21	11.268	1557	1561	1566	rVB	1477582	1474031	6.66%	0.415%
22	11.374	1575	1579	1580	rBV	2333421	2404279	10.87%	0.677%
23	11.404	1580	1584	1587	rVB	9746925	12228602	55.26%	3.443%
24	11.451	1589	1592	1594	rBV	2397660	2085852	9.43%	0.587%
25	11.663	1623	1628	1631	rVB2	2150189	2185327	9.88%	0.615%
26	11.704	1631	1635	1639	rVB2	1866027	1717149	7.76%	0.483%
27	11.786	1647	1649	1652	rVB	891501	855213	3.86%	0.241%
28	11.827	1653	1656	1660	rBV2	769952	991265	4.48%	0.279%
29	11.880	1660	1665	1667	rBV	4521277	5124554	23.16%	1.443%
30	11.904	1667	1669	1672	rVV	6404298	5923779	26.77%	1.668%
31	11.986	1679	1683	1686	rBV2	6071119	7147450	32.30%	2.012%
32	12.015	1686	1688	1691	rVB	4455809	3385511	15.30%	0.953%
33	12.168	1710	1714	1717	rVV	4382761	4881411	22.06%	1.374%
34	12.204	1717	1720	1725	rVB2	5013503	4893246	22.11%	1.378%

LSC Area Percent Report

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Sample : K2766-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-0002-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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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-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.304	1734	1737	1738	rBV2	729453	826766	3.74%	0.233%
36	12.315	1738	1739	1742	rVV	1177906	1157789	5.23%	0.326%
37	12.351	1742	1745	1747	rVV	1518657	1465572	6.62%	0.413%
38	12.374	1747	1749	1752	rVB2	1086720	882996	3.99%	0.249%
39	12.427	1754	1758	1761	rVV2	3869340	4399895	19.88%	1.239%
40	12.462	1761	1764	1766	rVV3	3050918	3808493	17.21%	1.072%
41	12.486	1766	1768	1770	rVV	1384811	1196531	5.41%	0.337%
42	12.521	1770	1774	1778	rVV3	3355200	4487837	20.28%	1.264%
43	12.604	1782	1788	1790	rVV	10176757	14729694	66.57%	4.147%
44	12.633	1790	1793	1795	rVV	1377792	1501800	6.79%	0.423%
45	12.657	1795	1797	1799	rVV	1188049	1239801	5.60%	0.349%
46	12.686	1799	1802	1806	rVV	4800650	4747705	21.46%	1.337%
47	12.739	1807	1811	1813	rVV3	2575800	2852402	12.89%	0.803%
48	12.762	1813	1815	1820	rVV2	1141065	1609050	7.27%	0.453%
49	12.845	1820	1829	1831	rVV	11491511	22127928	100.00%	6.230%
50	12.874	1831	1834	1838	rVV3	1159059	1412591	6.38%	0.398%
51	12.957	1845	1848	1850	rVV	4850599	4705740	21.27%	1.325%
52	12.974	1850	1851	1856	rVB3	1017483	936629	4.23%	0.264%
53	13.039	1858	1862	1868	rBV2	3163527	5068197	22.90%	1.427%
54	13.092	1868	1871	1873	rVV2	857241	933209	4.22%	0.263%
55	13.127	1873	1877	1879	rVV4	3083097	4588823	20.74%	1.292%
56	13.151	1879	1881	1884	rVV	3375081	2842778	12.85%	0.800%
57	13.186	1884	1887	1889	rVV4	753634	878692	3.97%	0.247%
58	13.215	1889	1892	1895	rVV3	1558034	1793317	8.10%	0.505%
59	13.257	1895	1899	1906	rVB	4720720	5030544	22.73%	1.416%
60	13.351	1911	1915	1917	rVV	3897141	4085291	18.46%	1.150%
61	13.380	1917	1920	1922	rVB	3764910	3382626	15.29%	0.952%
62	13.657	1964	1967	1971	rVB	3046599	3086718	13.95%	0.869%
63	13.768	1980	1986	1988	rVV	2986195	3928429	17.75%	1.106%
64	13.792	1988	1990	1993	rVV	3314142	3299032	14.91%	0.929%
65	13.821	1993	1995	1997	rVV	2850205	2454201	11.09%	0.691%
66	13.845	1997	1999	2001	rVV2	2263578	2591715	11.71%	0.730%
67	13.868	2001	2003	2006	rVB	2307124	2030925	9.18%	0.572%
68	14.015	2022	2028	2031	rBV2	7647196	12527376	56.61%	3.527%
69	14.057	2031	2035	2038	rVV	8457810	11492403	51.94%	3.236%
70	14.104	2041	2043	2048	rVV4	736253	1155727	5.22%	0.325%
71	14.174	2051	2055	2064	rVB3	4195046	6309197	28.51%	1.776%

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Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS007-0002-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.368	2086	2088	2090	rBV2	882718	888732	4.02%	0.250%
73	14.409	2090	2095	2098	rVV	2987285	3691819	16.68%	1.039%
74	14.445	2098	2101	2105	rVV2	2080218	2689373	12.15%	0.757%
75	14.486	2105	2108	2113	rVV4	2584601	4231061	19.12%	1.191%
76	14.539	2113	2117	2118	rVV3	2282704	2472218	11.17%	0.696%
77	14.556	2118	2120	2123	rVV2	2126628	1892040	8.55%	0.533%
78	14.604	2125	2128	2131	rVB	1741357	1664509	7.52%	0.469%
79	14.851	2168	2170	2176	rVB3	780450	904331	4.09%	0.255%
80	14.903	2176	2179	2182	rBV3	663431	877482	3.97%	0.247%
81	15.086	2202	2210	2215	rBV	6263512	15402070	69.60%	4.336%
82	15.127	2215	2217	2219	rVV	1594654	1506211	6.81%	0.424%
83	15.180	2223	2226	2229	rVB	1964057	2128441	9.62%	0.599%
84	15.386	2254	2261	2265	rVB	5448648	9007286	40.71%	2.536%
85	15.456	2265	2273	2276	rBV2	5971669	10624650	48.01%	2.991%
86	15.503	2278	2281	2284	rVV	2279002	2884736	13.04%	0.812%
87	15.533	2284	2286	2292	rVB3	1467449	2074636	9.38%	0.584%
88	15.674	2306	2310	2313	rBV2	506579	905702	4.09%	0.255%
89	15.821	2331	2335	2338	rBV	631657	832904	3.76%	0.234%
90	15.856	2338	2341	2347	rVB	693831	931477	4.21%	0.262%
91	15.939	2349	2355	2359	rBV2	1254909	2001019	9.04%	0.563%
92	15.986	2359	2363	2365	rBV2	564808	889780	4.02%	0.251%
93	16.062	2372	2376	2380	rVB2	842042	1201128	5.43%	0.338%
94	16.521	2450	2454	2463	rBV4	374255	770884	3.48%	0.217%
95	16.621	2467	2471	2476	rVB2	512951	888386	4.01%	0.250%
96	16.992	2524	2534	2539	rBV	3073012	6979275	31.54%	1.965%
97	17.145	2555	2560	2564	rVB	594043	1071754	4.84%	0.302%
98	17.203	2565	2570	2577	rBV2	722877	1382340	6.25%	0.389%
99	17.445	2601	2611	2621	rVB	2634036	6978003	31.53%	1.965%
100	18.574	2796	2803	2816	rBV10	579213	1953421	8.83%	0.550%

Sum of corrected areas: 355185413

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
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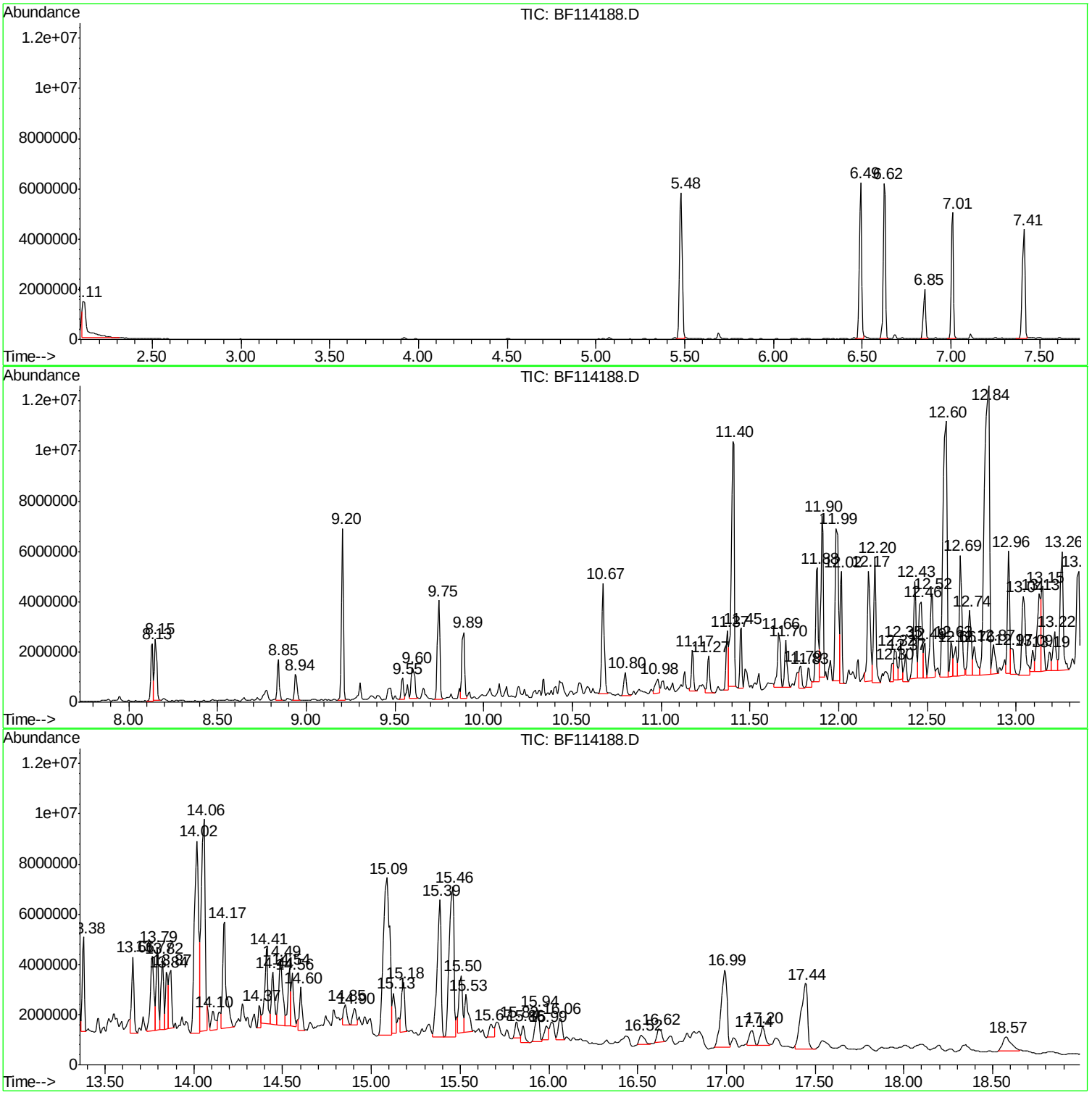
Sample : K2766-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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\BF051219\
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Instrument : BNA_F
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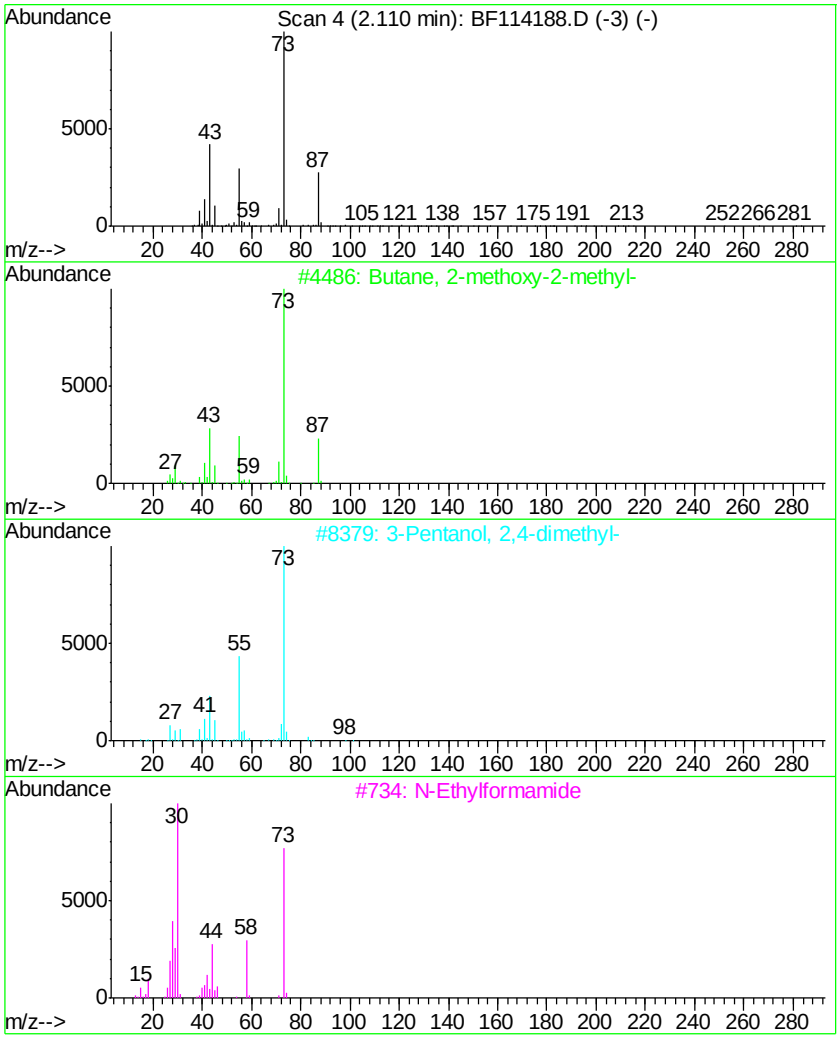
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

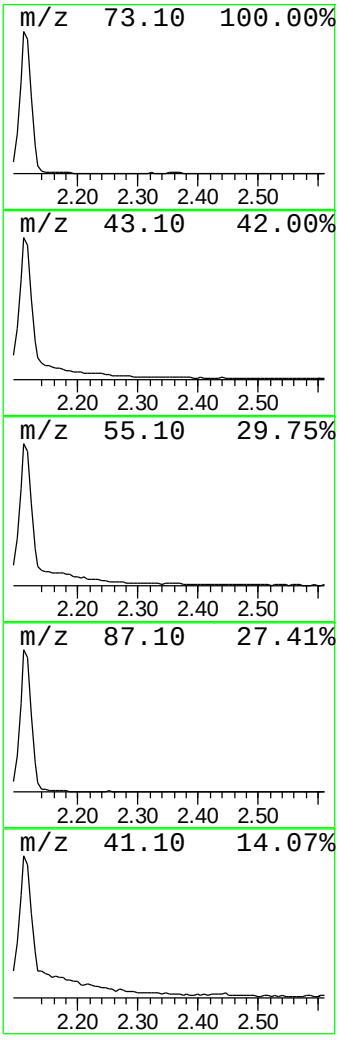
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.11	30.53 ng	2573060	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	53
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	17
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : P026-SS007-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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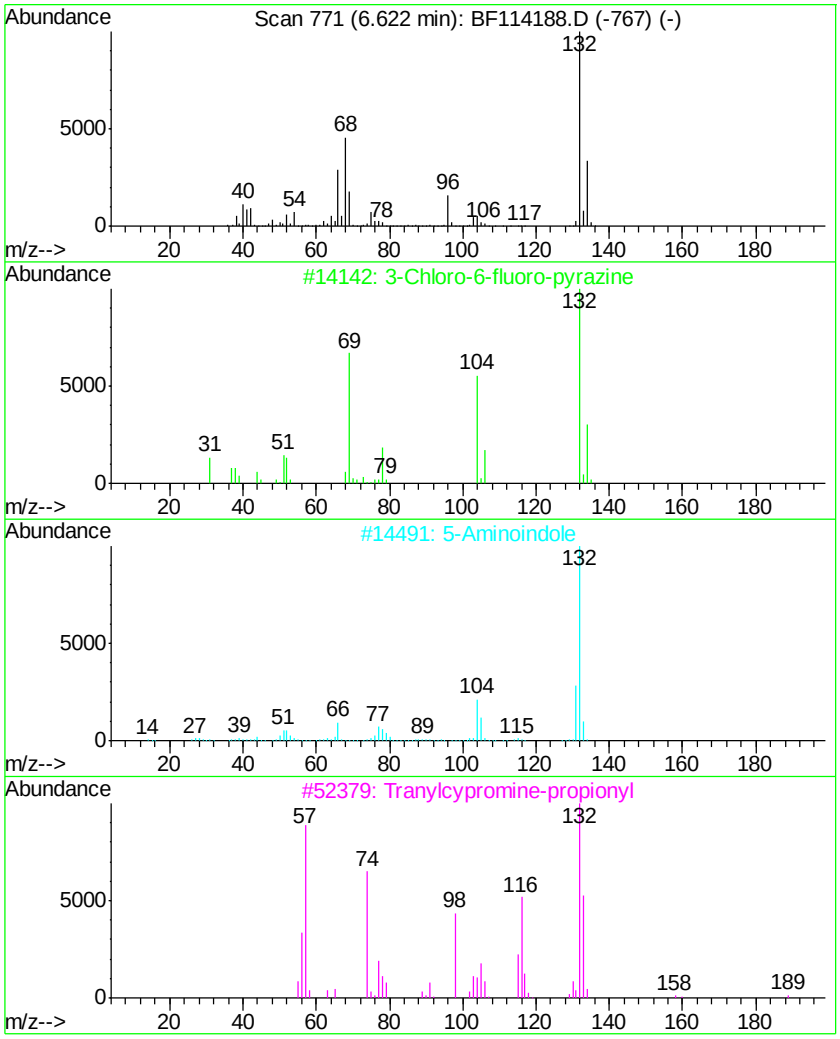
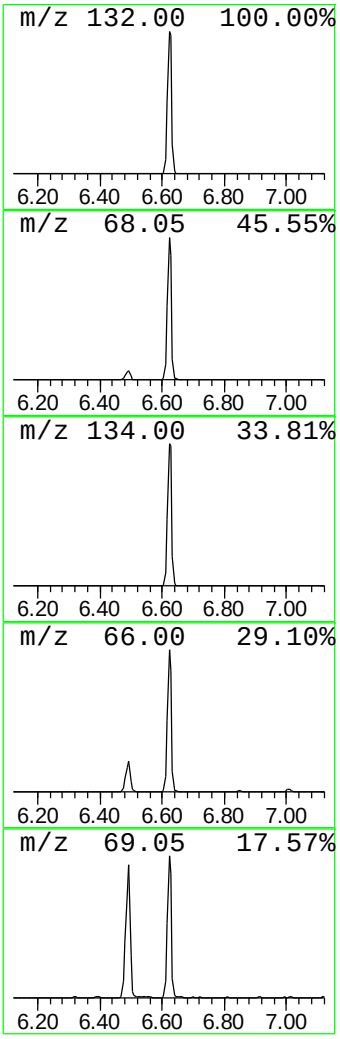
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	71.07 ng	5989070	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





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TIC Library : C:\DATABASE\NIST11.L
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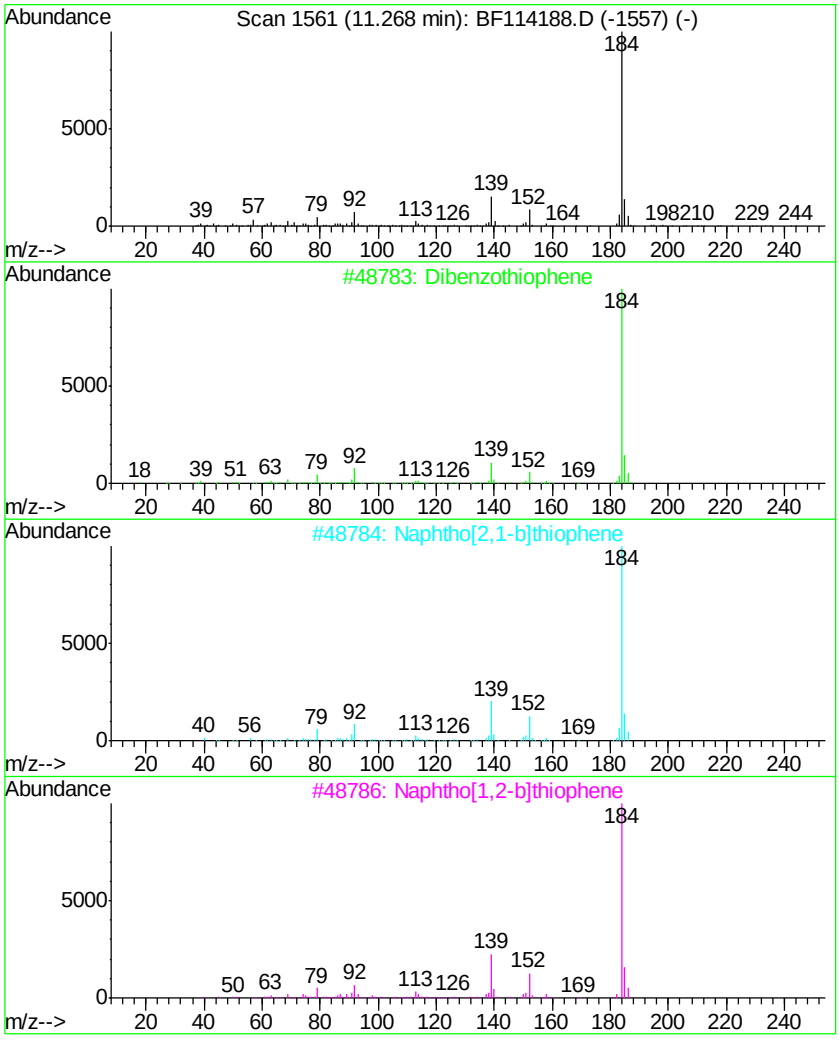
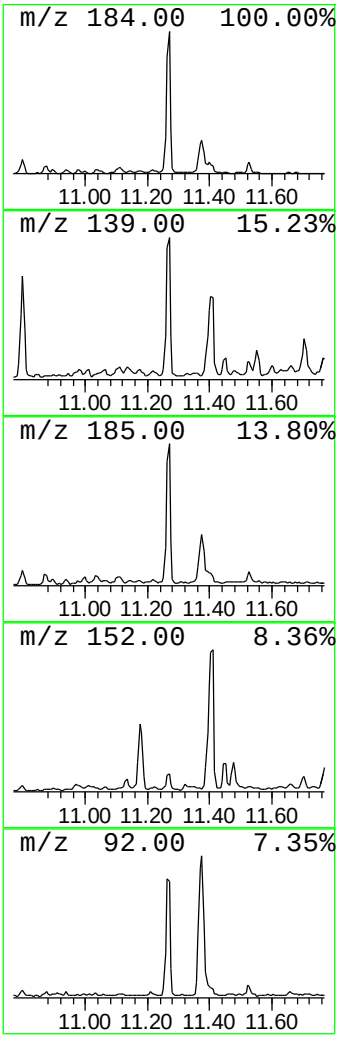
****

Peak Number 4 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	12.26 ng	1474030	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : P026-SS007-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
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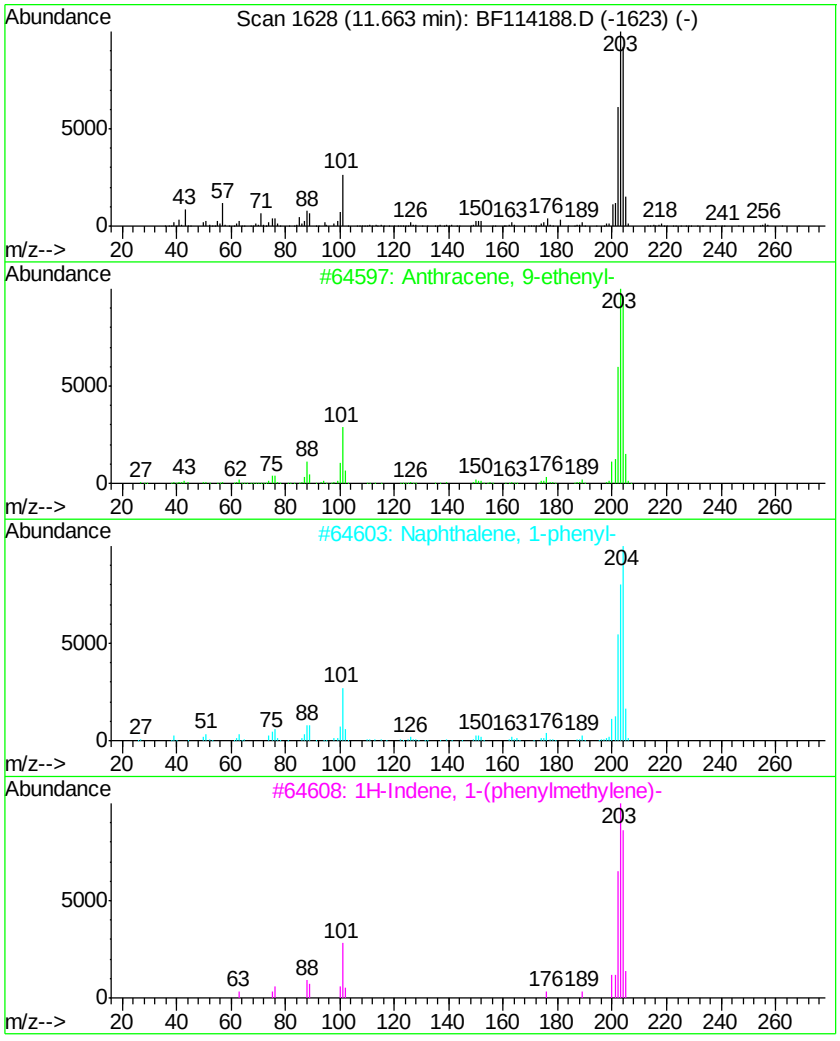
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

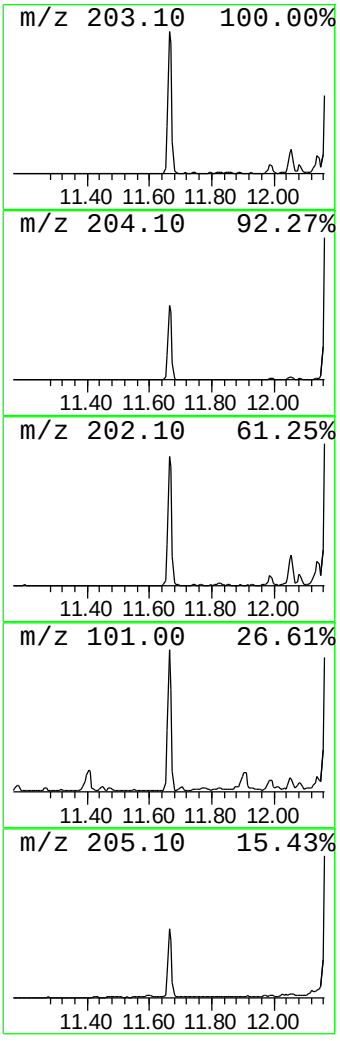
****

Peak Number 5 Anthracene, 9-ethenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	18.18 ng	2185330	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	68
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114188.D
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Sample : K2766-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

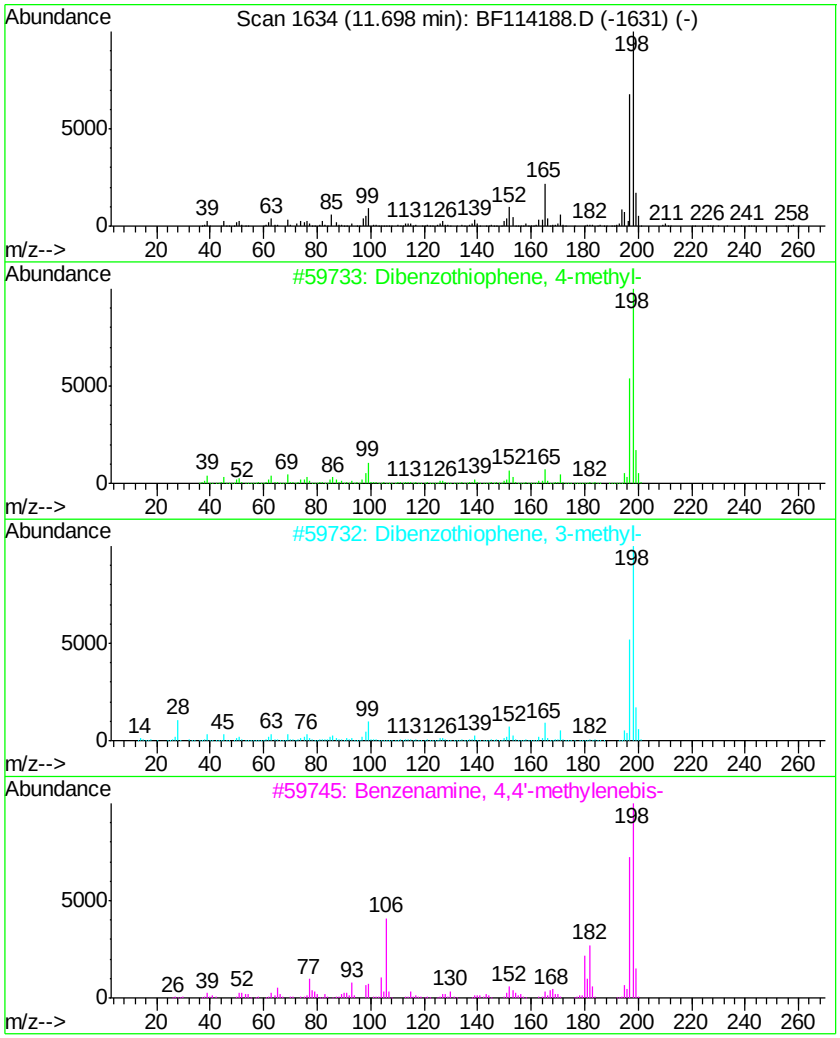
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

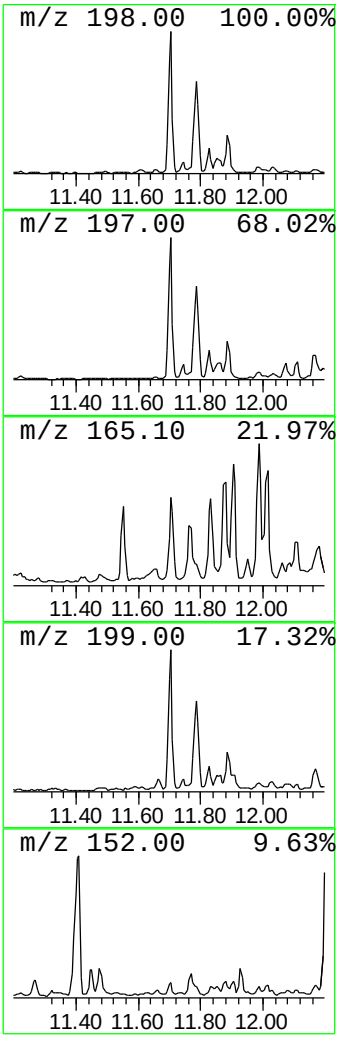
****

Peak Number 6 Dibenzothiophene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	14.28 ng	1717150	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
4	Thioxanthene	198	C13H10S	000261-31-4	60
5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	58





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Acq On : 12 May 2019 13:28
Operator : JU/SJ
Sample : K2766-05
Misc :
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ClientSampleId : P026-SS007-0002-01

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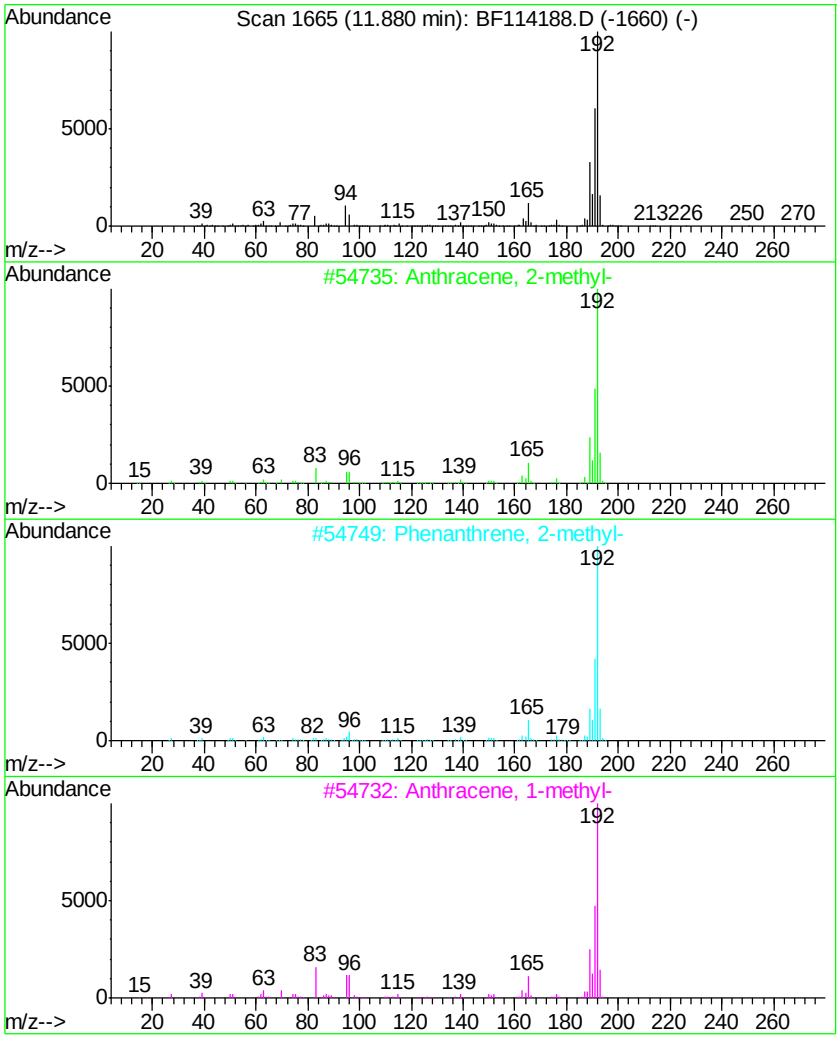
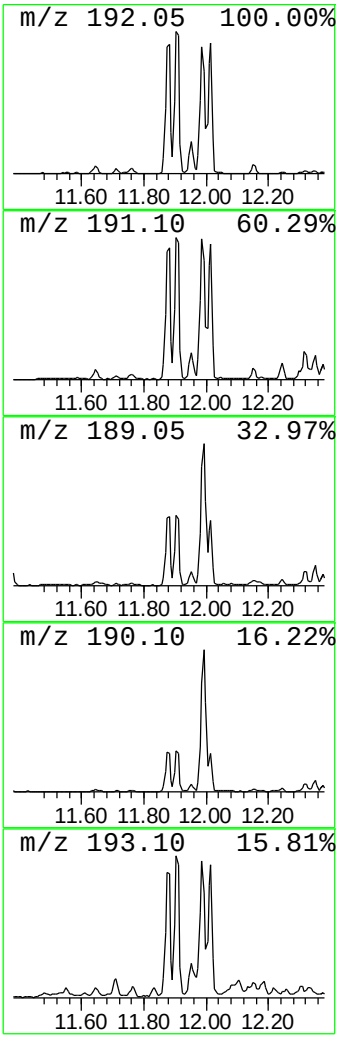
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	42.63 ng	5124550	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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ClientSampleId : P026-SS007-0002-01

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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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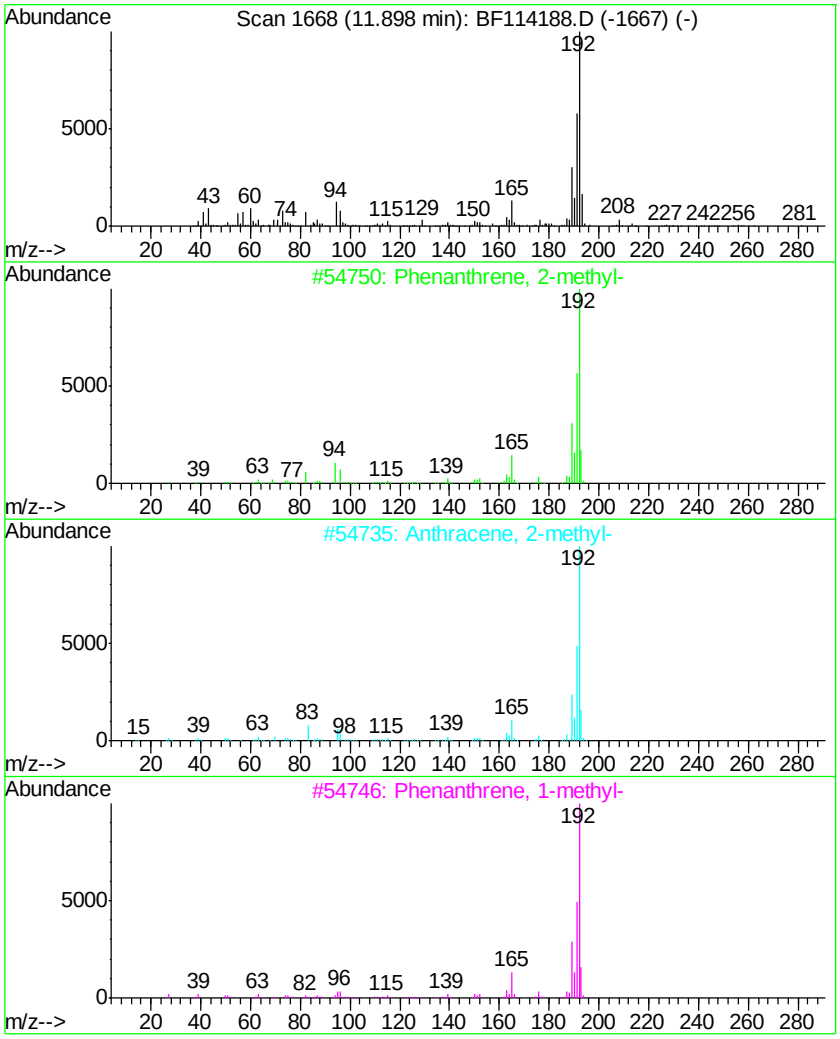
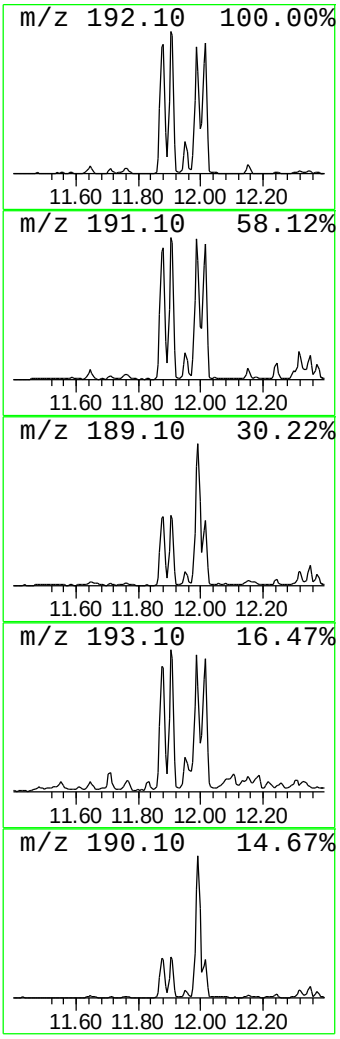
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	49.28 ng	5923780	Phenanthrene-d10	11.37

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





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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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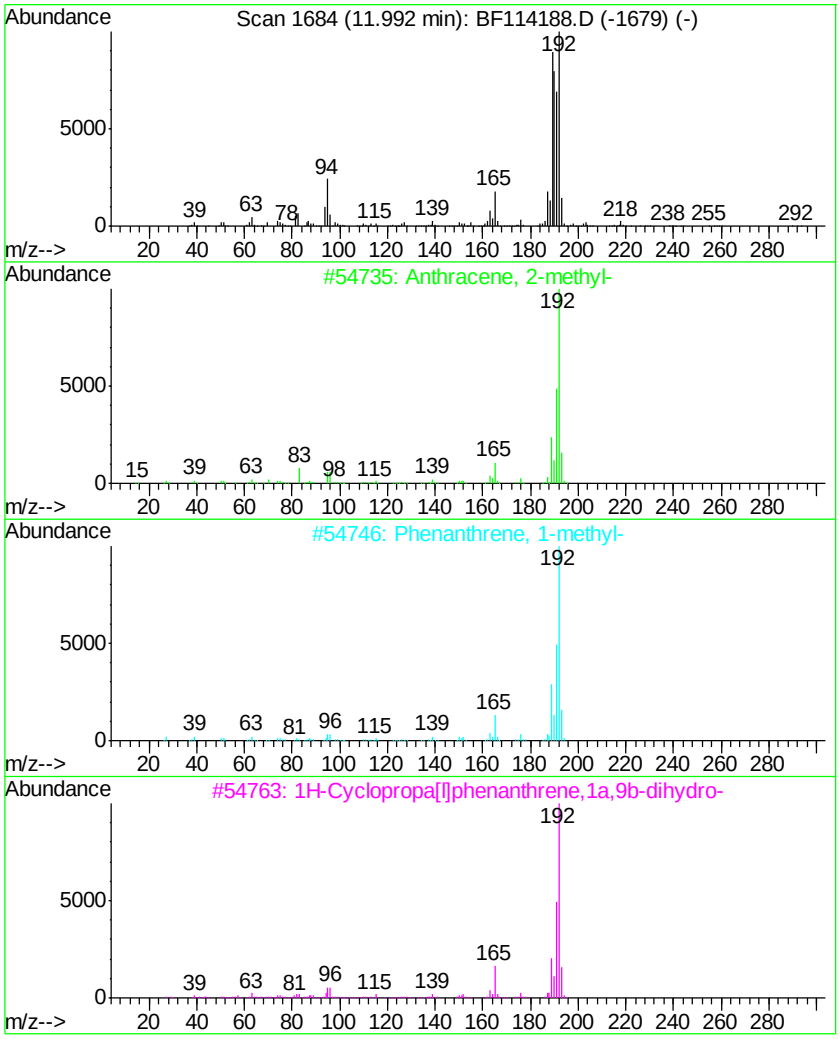
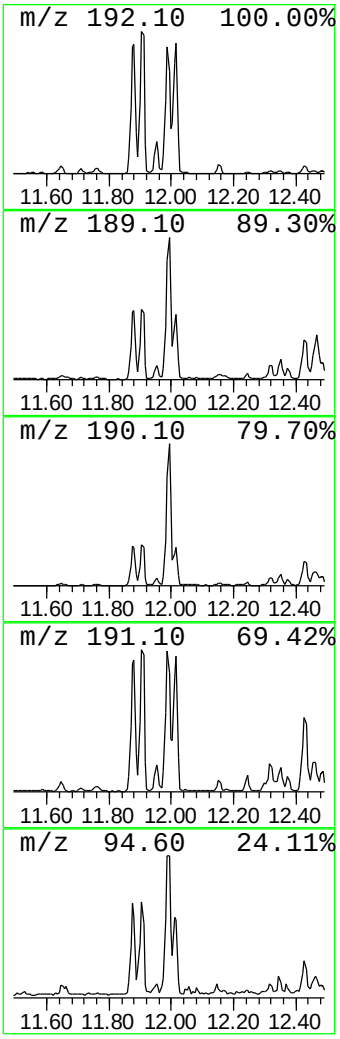
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	59.46 ng	7147450	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-0002-01

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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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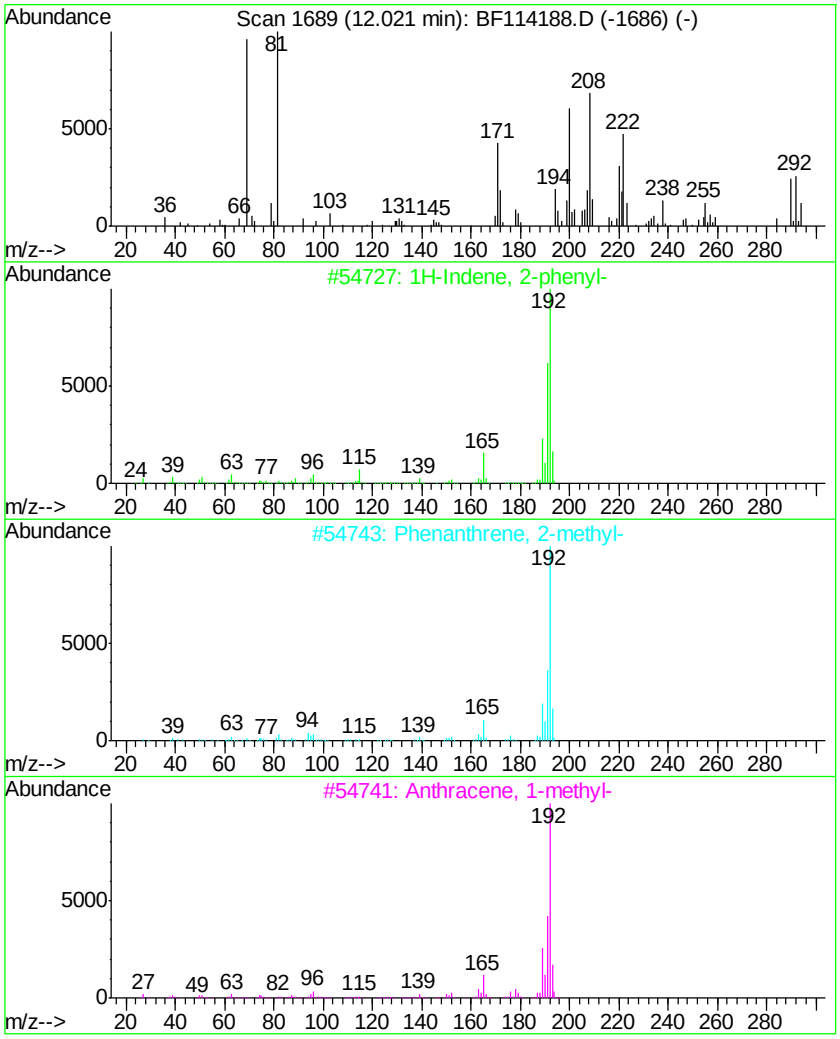
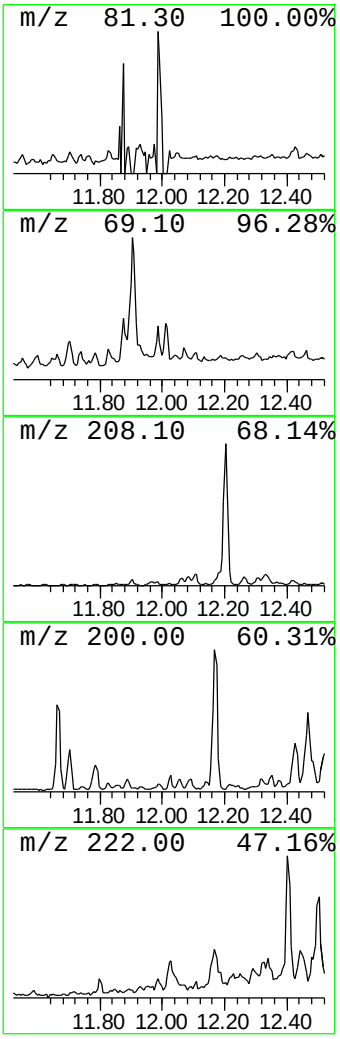
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	28.16 ng	3385510	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	95





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-0002-01

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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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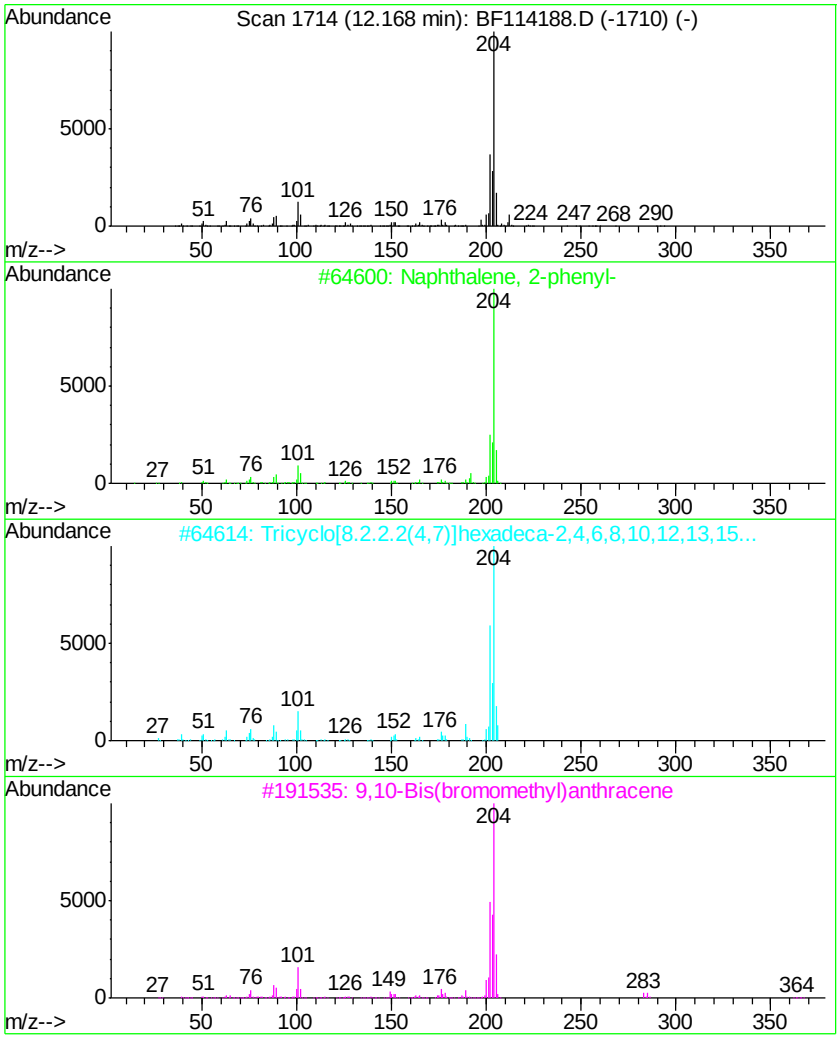
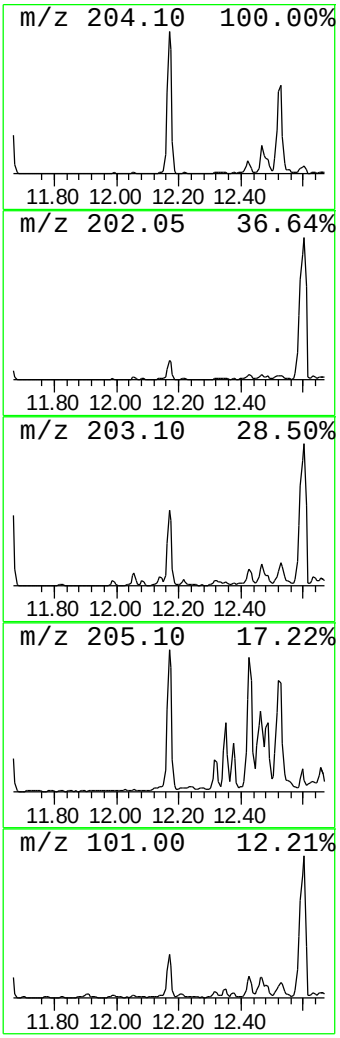
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	40.61 ng	4881410	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-0002-01

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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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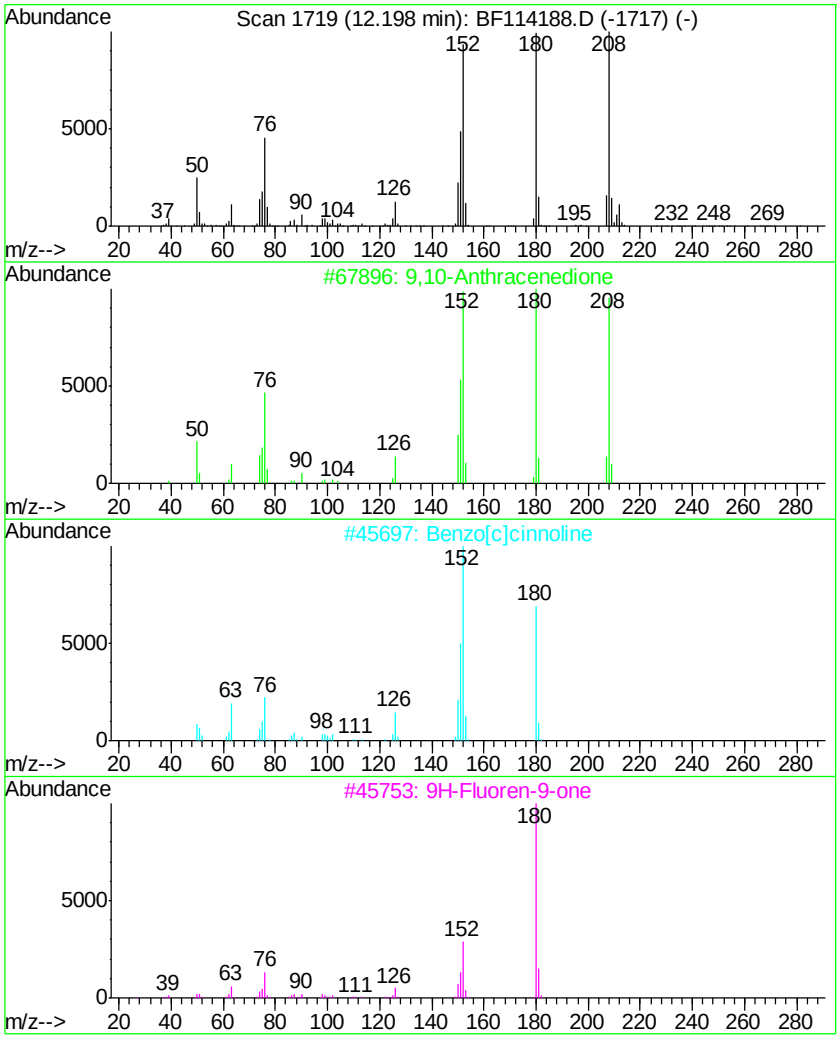
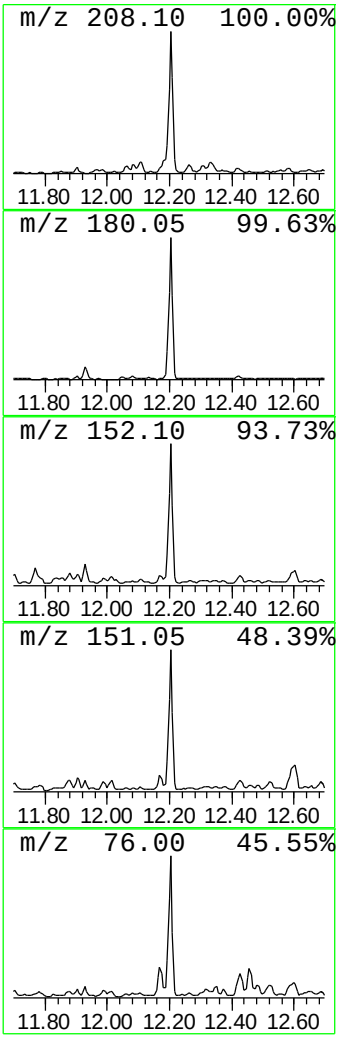
Peak Number 12 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	40.70 ng	4893250	Phenanthrene-d10	11.37

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	92
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





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Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS007-0002-01

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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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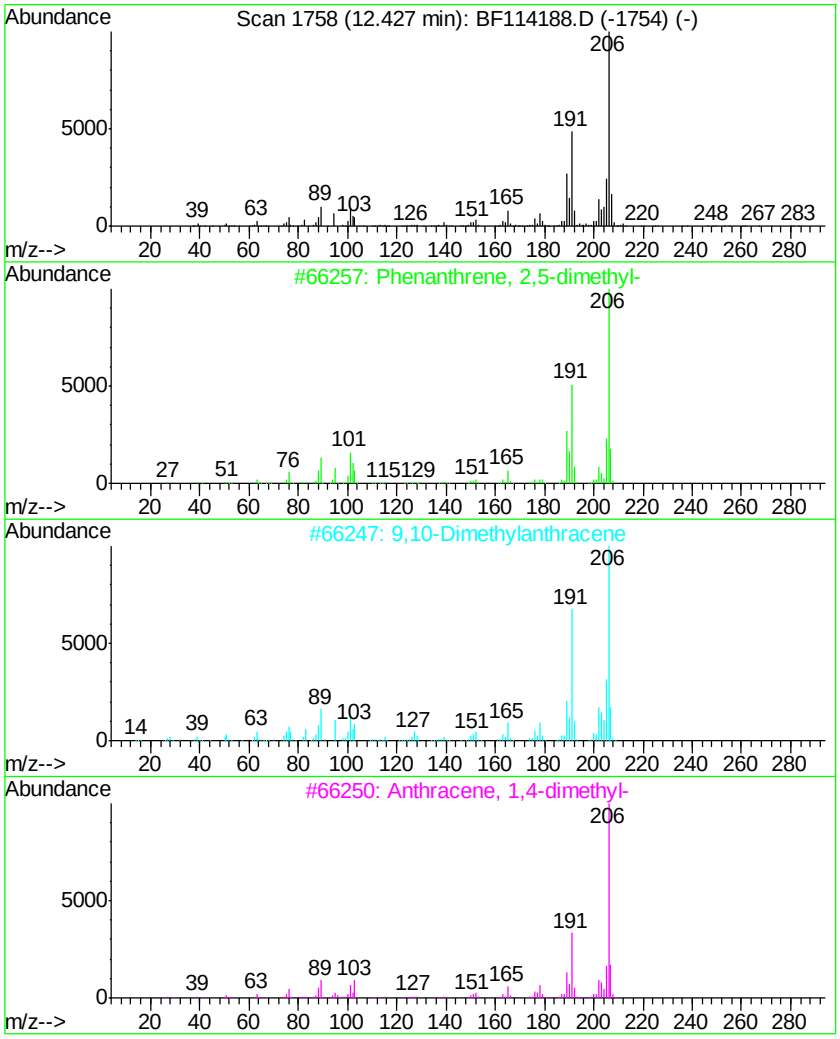
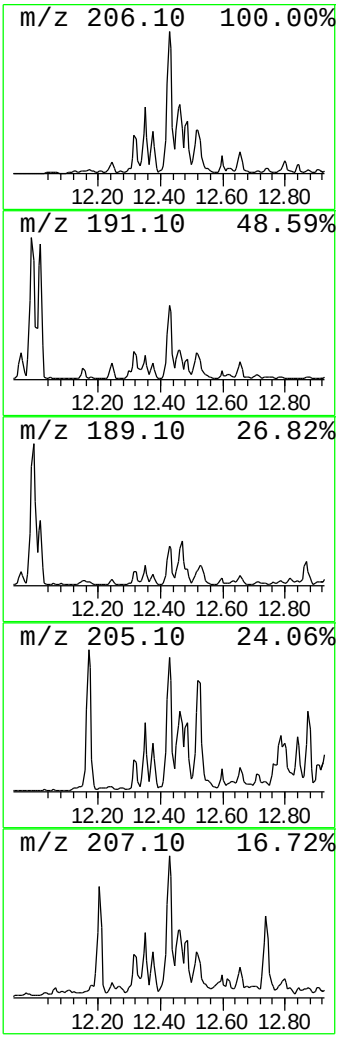
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	36.60 ng	4399900	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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ClientSampleId : P026-SS007-0002-01

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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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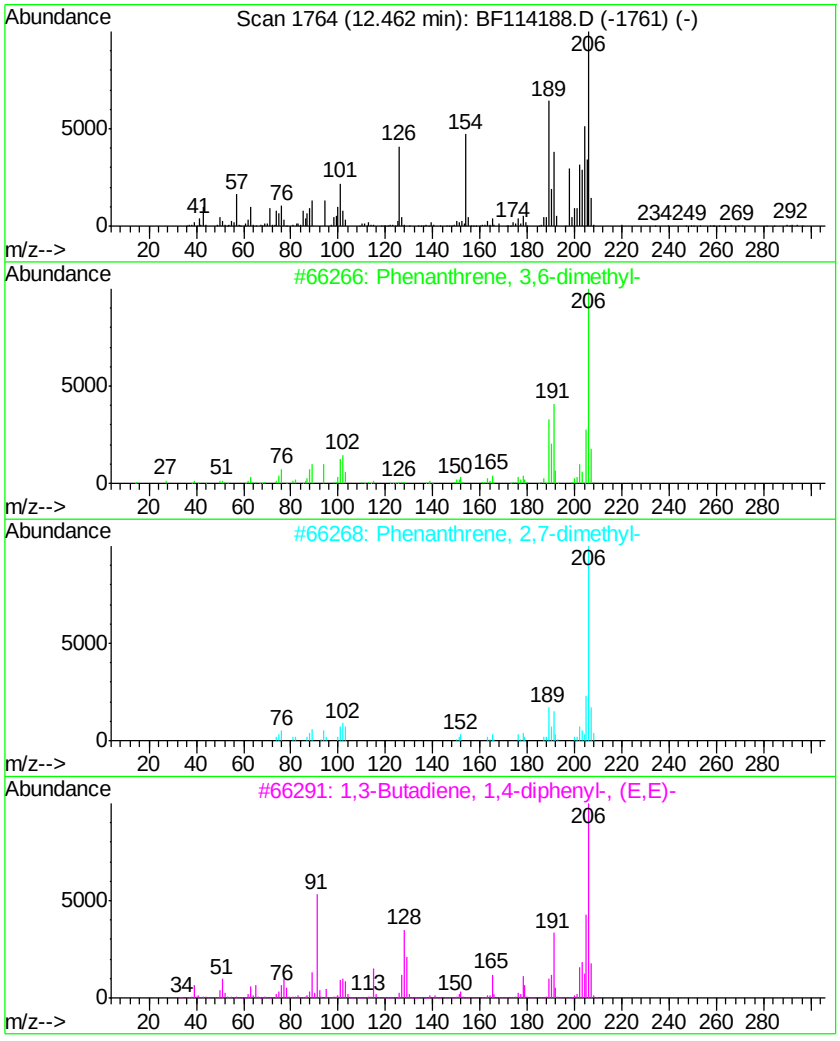
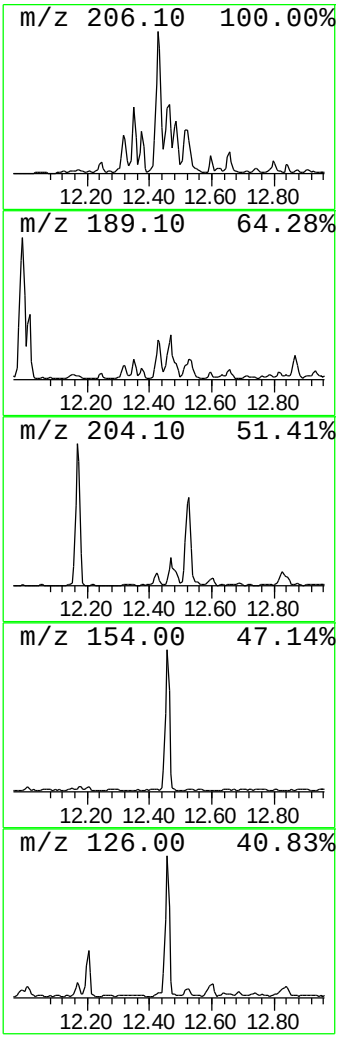
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	31.68 ng	3808490	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	46
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38





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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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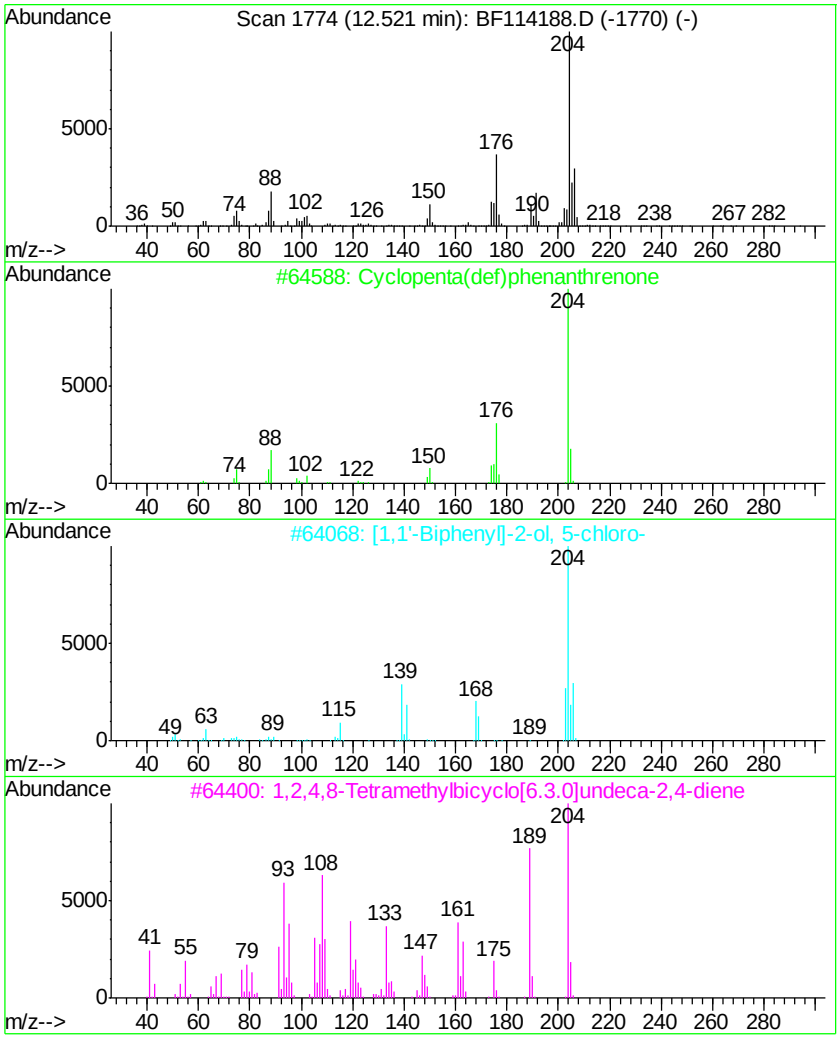
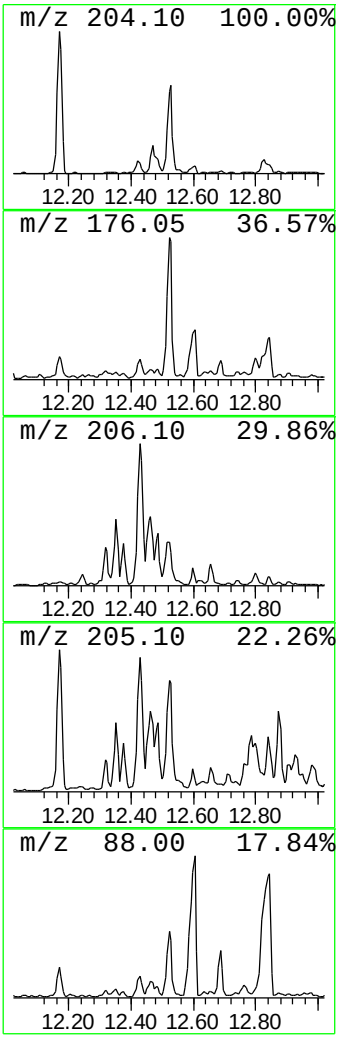
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	37.33 ng	4487840	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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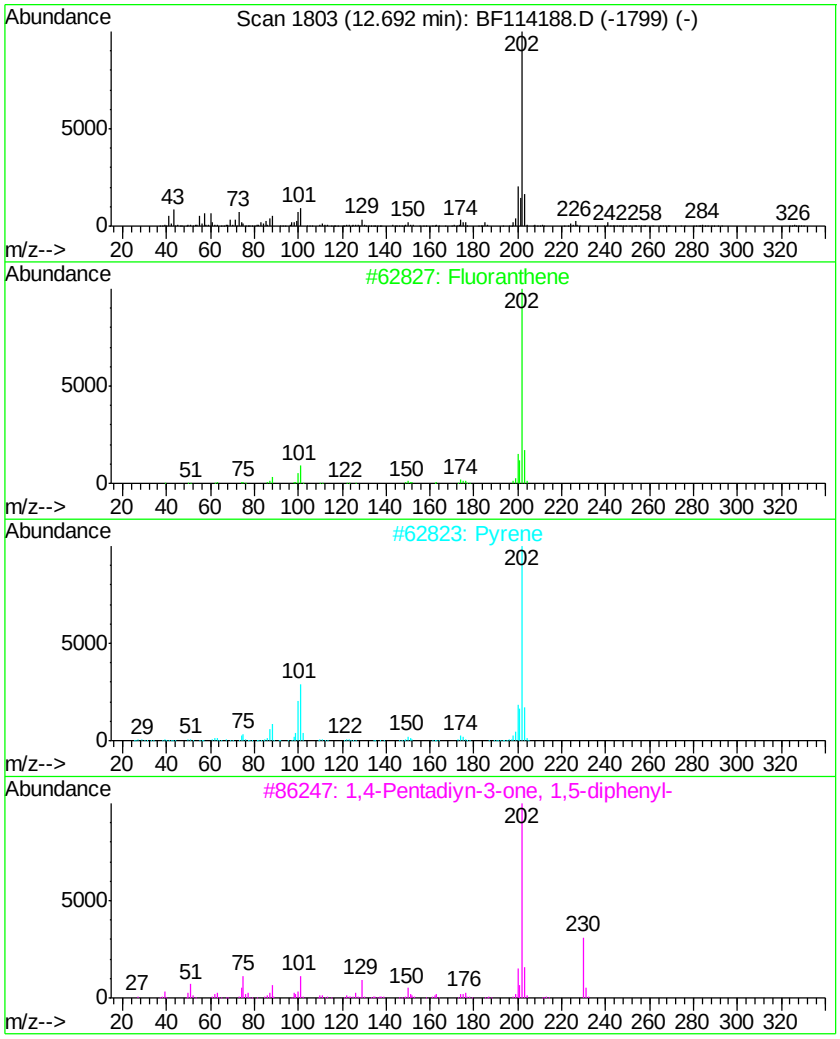
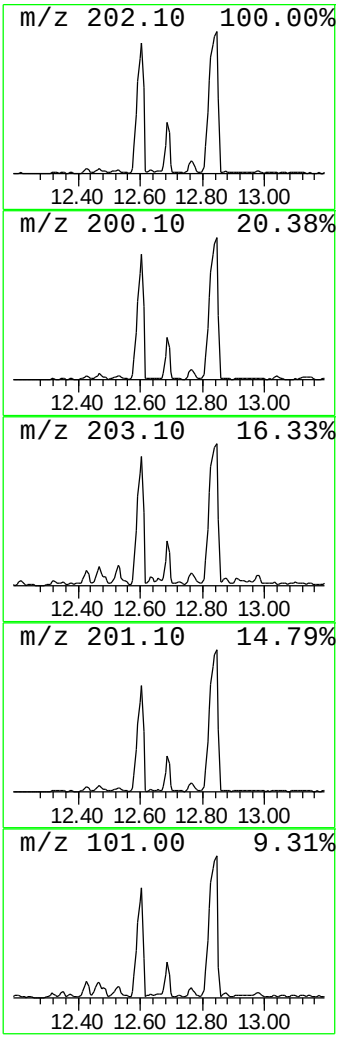
Peak Number 16 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	39.49 ng	4747710	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	89
3	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	72
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	72
5	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	60





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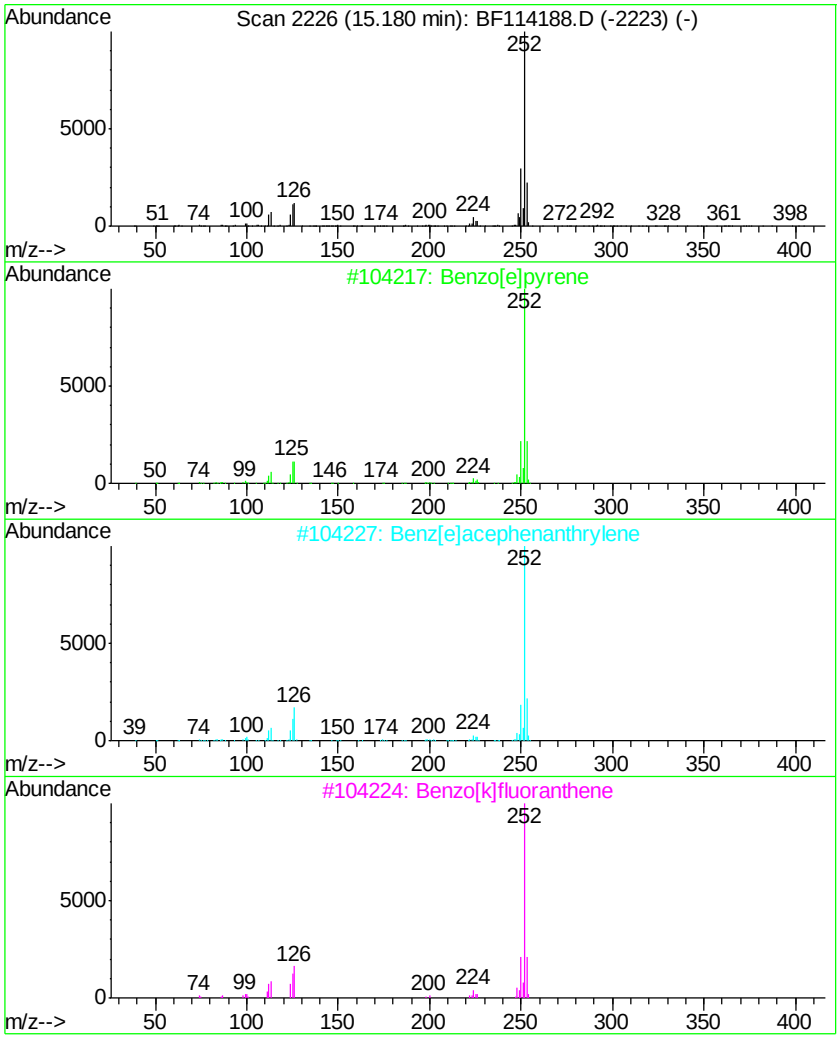
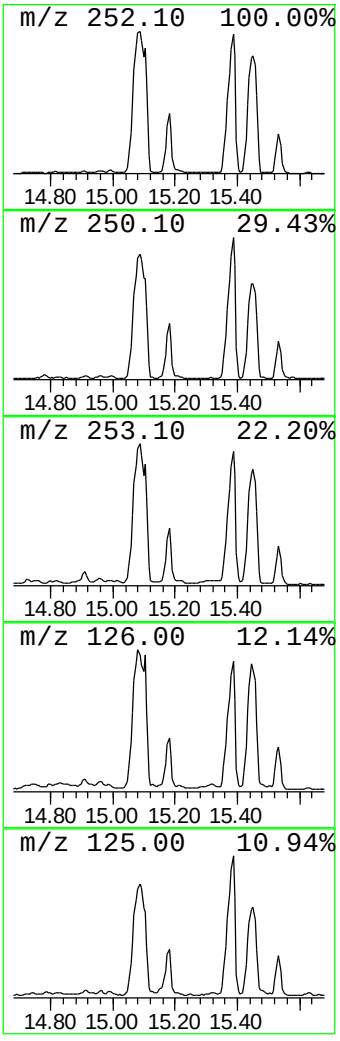
Peak Number 17 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	14.76 ng	2128440	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114188.D
Acq On : 12 May 2019 13:28
Operator : JU/SJ
Sample : K2766-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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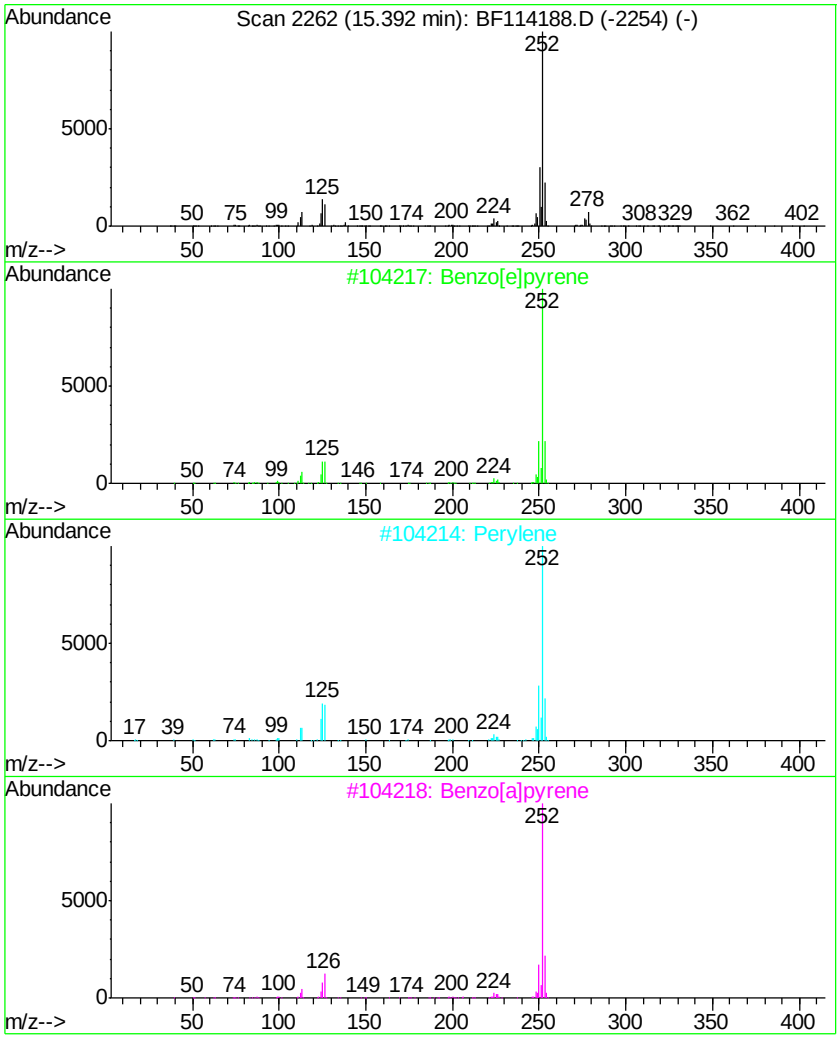
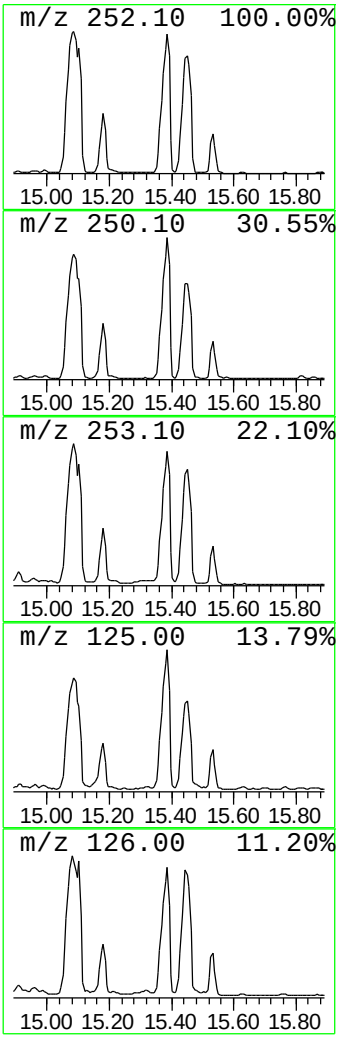
Peak Number 18 unknown15.39 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	62.45 ng	9007290	Perylene-d12	15.50

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	99
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114188.D
Acq On : 12 May 2019 13:28
Operator : JU/SJ
Sample : K2766-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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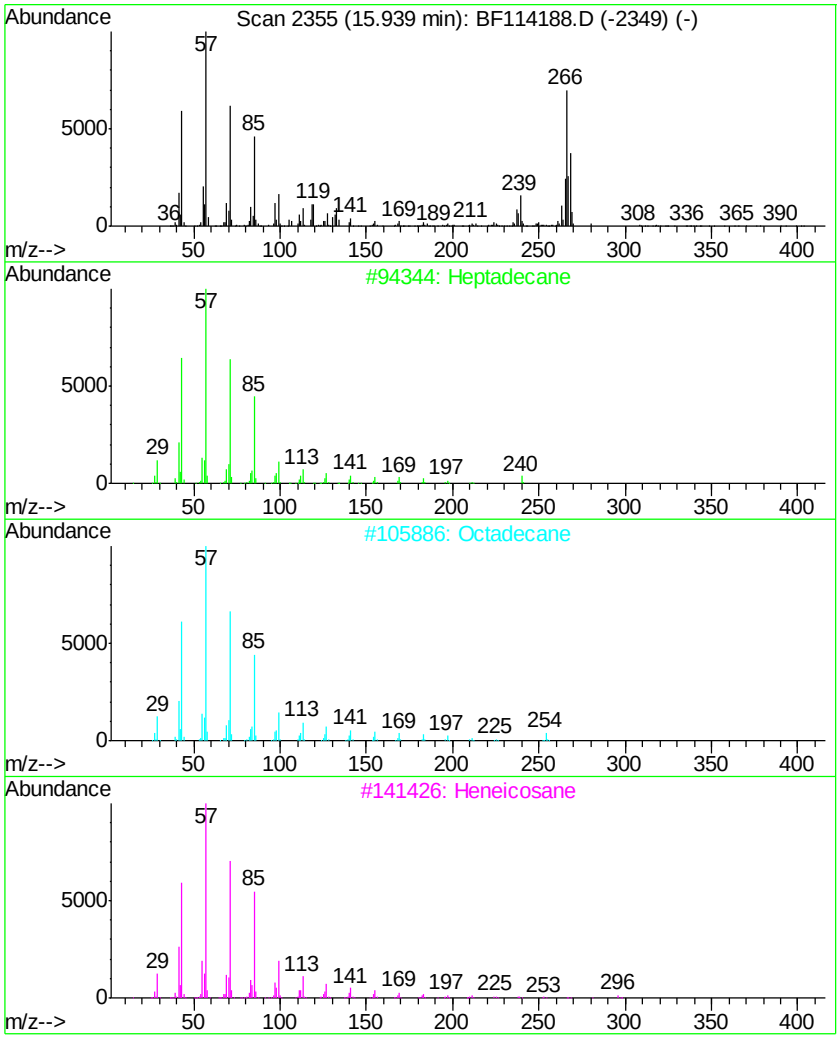
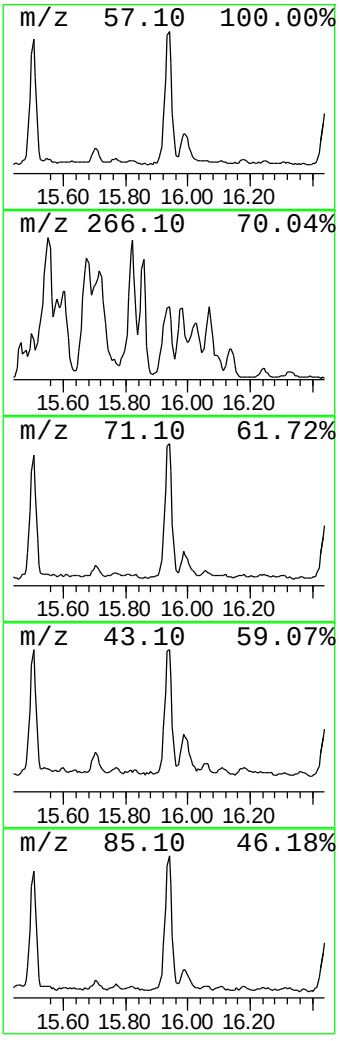
Peak Number 19 Heptadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	13.87 ng	2001020	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	56
2	Octadecane	254	C18H38	000593-45-3	40
3	Heneicosane	296	C21H44	000629-94-7	38
4	Hexacosane	366	C26H54	000630-01-3	38
5	Tetratetracontane	619	C44H90	007098-22-8	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114188.D
Acq On : 12 May 2019 13:28
Operator : JU/SJ
Sample : K2766-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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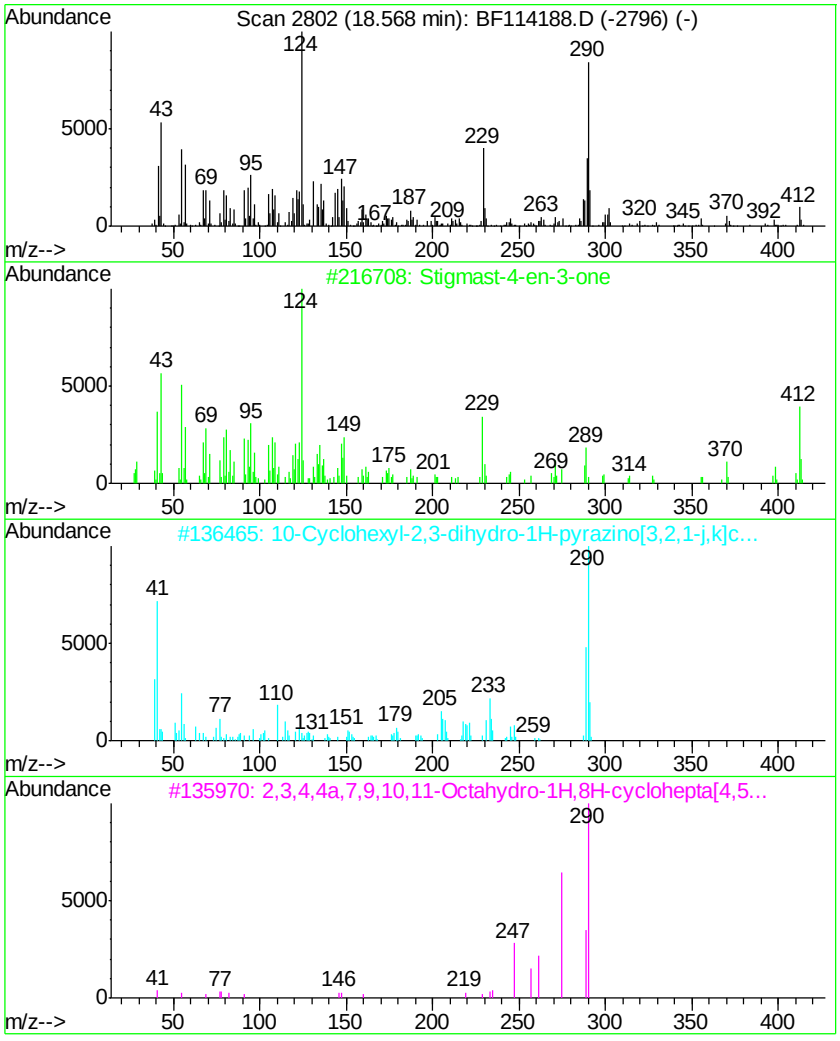
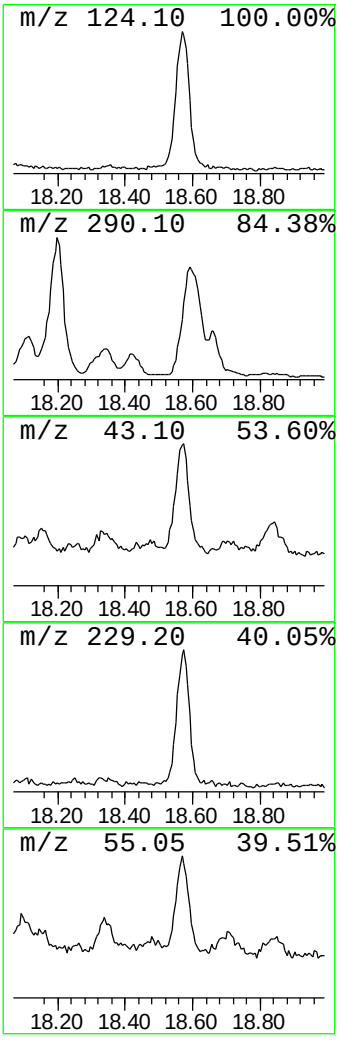
Peak Number 20 unknown18.57 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	13.54 ng	1953420	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	42
2	10-Cyclohexyl-2,3-dihydro-1H-pyr...	290	C20H22N2	157056-89-8	38
3	2,3,4,4a,7,9,10,11-Octahydro-1H,...	290	C15H18N2S2	1000148-63-3	27
4	Benzo[1,2-b:4,5-b']bis[1]benzoth...	290	C18H10S2	000241-34-9	22
5	Benzo[2,1-b:3,4-b']bis[1]benzoth...	290	C18H10S2	000222-24-2	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051219\
Data File : BF114188.D
Acq On : 12 May 2019 13:28
Operator : JU/SJ
Sample : K2766-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
Butane, 2-methoxy...	2.11	30.5	ng	2573060	1	6.85	1685450	20.0
unknown6.62	6.62	71.1	ng	5989070	1	6.85	1685450	20.0
Dibenzothiophene	11.27	12.3	ng	1474030	4	11.37	2404280	20.0
Anthracene, 9-eth...	11.66	18.2	ng	2185330	4	11.37	2404280	20.0
Dibenzothiophene,...	11.70	14.3	ng	1717150	4	11.37	2404280	20.0
Anthracene, 2-met...	11.88	42.6	ng	5124550	4	11.37	2404280	20.0
Phenanthrene, 2-m...	11.90	49.3	ng	5923780	4	11.37	2404280	20.0
Phenanthrene, 1-m...	11.99	59.5	ng	7147450	4	11.37	2404280	20.0
1H-Indene, 2-phenyl-	12.02	28.2	ng	3385510	4	11.37	2404280	20.0
Naphthalene, 2-ph...	12.17	40.6	ng	4881410	4	11.37	2404280	20.0
9,10-Anthracenedione	12.20	40.7	ng	4893250	4	11.37	2404280	20.0
Phenanthrene, 2,5...	12.43	36.6	ng	4399900	4	11.37	2404280	20.0
Phenanthrene, 3,6...	12.46	31.7	ng	3808490	4	11.37	2404280	20.0
Cyclopenta(def)ph...	12.52	37.3	ng	4487840	4	11.37	2404280	20.0
4,4'-Bis(tetrahyd...	12.69	39.5	ng	4747710	4	11.37	2404280	20.0
Benzo[e]pyrene	15.18	14.8	ng	2128440	6	15.50	2884740	20.0
unknown15.39	15.39	62.5	ng	9007290	6	15.50	2884740	20.0
Heptadecane	15.94	13.9	ng	2001020	6	15.50	2884740	20.0
unknown18.57	18.57	13.5	ng	1953420	6	15.50	2884740	20.0