LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114176.D
Acq On : 12 May 2019 1:45
Operator : JU/SJ
Sample : K2765-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-02

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	2.122	3	6	21	rVB	1460246	1916748	8.83%	0.526%
2	5.481	572	577	580	rBV	6889723	6703618	30.90%	1.839%
3	6.493	744	749	752	rBV	6815779	6952291	32.05%	1.907%
4	6.628	767	772	775	rBV	6867746	6594229	30.39%	1.809%
5	6.851	806	810	818	rVB	2111394	1749553	8.06%	0.480%
6	7.010	833	837	840	rBV	5905091	5126790	23.63%	1.407%
7	7.410	898	905	908	rBV	4849409	4765029	21.96%	1.307%
8	8.134	1023	1028	1029	rBV	2302051	2250140	10.37%	0.617%
9	8.151	1029	1031	1035	rVB	2391968	1890863	8.72%	0.519%
10	8.587	1097	1105	1108	rBV	4766065	5329252	24.56%	1.462%
11	8.845	1145	1149	1152	rVB	1609577	1407159	6.49%	0.386%
12	8.939	1162	1165	1169	rBV	1128930	932962	4.30%	0.256%
13	9.204	1206	1210	1213	rVB	7275881	6207034	28.61%	1.703%
14	9.539	1264	1267	1270	rVV	857306	895147	4.13%	0.246%
15	9.598	1274	1277	1284	rVB2	1655952	1887343	8.70%	0.518%
16	9.745	1298	1302	1305	rBV	3827950	3152107	14.53%	0.865%
17	9.881	1323	1325	1328	rVB	2490118	2206668	10.17%	0.605%
18	10.439	1415	1420	1425	rVV3	576147	1027637	4.74%	0.282%
19	10.539	1434	1437	1441	rVV3	567764	767695	3.54%	0.211%
20	10.675	1455	1460	1464	rVV	4640871	4738333	21.84%	1.300%
21	10.798	1476	1481	1485	rBV3	892879	1154764	5.32%	0.317%
22	10.980	1507	1512	1514	rVV4	564418	878020	4.05%	0.241%
23	11.128	1535	1537	1542	rVV	762695	844728	3.89%	0.232%
24	11.175	1542	1545	1549	rVB	1684680	1443913	6.66%	0.396%
25	11.263	1557	1560	1566	rVB	1330802	1288471	5.94%	0.354%
26	11.369	1574	1578	1580	rBV	2307267	2601369	11.99%	0.714%
27	11.404	1580	1584	1587	rVB	10062292	10966282	50.55%	3.009%
28	11.445	1588	1591	1594	rBV	2571172	2006968	9.25%	0.551%
29	11.663	1625	1628	1631	rVB	2406663	2050056	9.45%	0.562%
30	11.704	1631	1635	1638	rBV2	1605646	1577389	7.27%	0.433%
31	11.780	1646	1648	1652	rVB	783110	861392	3.97%	0.236%
32	11.828	1652	1656	1660	rBV2	858746	1062405	4.90%	0.291%
33	11.875	1660	1664	1666	rBV	4759665	4413159	20.34%	1.211%
34	11.904	1666	1669	1672	rVB	6164185	5541218	25.54%	1.520%

LSC Area Percent Report

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Data File : BF114176.D
Acq On : 12 May 2019 1:45
Operator : JU/SJ
Sample : K2765-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-02

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-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.986	1679	1683	1685	rBV	6501171	6682963	30.80%	1.834%
36	12.010	1685	1687	1690	rVB	4526747	3667243	16.90%	1.006%
37	12.169	1710	1714	1716	rVV	4160569	3851476	17.75%	1.057%
38	12.204	1716	1720	1724	rVB	4164780	4597902	21.19%	1.261%
39	12.351	1742	1745	1747	rVB	1052316	860180	3.96%	0.236%
40	12.375	1747	1749	1752	rVB	1027583	802709	3.70%	0.220%
41	12.427	1753	1758	1760	rBV	3962442	4311731	19.87%	1.183%
42	12.457	1760	1763	1766	rVV3	2519285	3046956	14.04%	0.836%
43	12.480	1766	1767	1770	rVB	1349471	920303	4.24%	0.252%
44	12.522	1770	1774	1778	rBV2	3557914	4348516	20.04%	1.193%
45	12.598	1781	1787	1790	rBV	10201333	14431714	66.52%	3.959%
46	12.633	1790	1793	1795	rBV	1335725	1336971	6.16%	0.367%
47	12.686	1799	1802	1805	rVB	3935483	3569220	16.45%	0.979%
48	12.733	1806	1810	1813	rBV2	2224368	2520070	11.62%	0.691%
49	12.763	1813	1815	1820	rVB2	858854	828709	3.82%	0.227%
50	12.839	1820	1828	1831	rBV	11532178	21695351	100.00%	5.952%
51	12.869	1831	1833	1837	rVB4	1039709	1322648	6.10%	0.363%
52	12.957	1845	1848	1850	rBV	4599768	4268971	19.68%	1.171%
53	13.039	1858	1862	1868	rBV2	3382115	5435753	25.05%	1.491%
54	13.092	1868	1871	1873	rVV2	1027589	1200972	5.54%	0.329%
55	13.127	1873	1877	1878	rVV2	3388248	4404454	20.30%	1.208%
56	13.145	1878	1880	1883	rVB	3908445	3704067	17.07%	1.016%
57	13.186	1883	1887	1889	rBV4	817334	1010034	4.66%	0.277%
58	13.210	1889	1891	1895	rVV2	1528059	1849016	8.52%	0.507%
59	13.257	1895	1899	1906	rVV	4710846	5548430	25.57%	1.522%
60	13.345	1910	1914	1917	rVV	4398713	4909896	22.63%	1.347%
61	13.374	1917	1919	1922	rVB	3901461	3646905	16.81%	1.001%
62	13.657	1963	1967	1971	rVB	3358116	3609554	16.64%	0.990%
63	13.763	1979	1985	1987	rVV2	3540827	4279973	19.73%	1.174%
64	13.792	1987	1990	1992	rVV	3936114	3963748	18.27%	1.087%
65	13.821	1992	1995	1997	rVV	3169859	3039051	14.01%	0.834%
66	13.863	1997	2002	2006	rVB2	2388949	4032686	18.59%	1.106%
67	14.016	2022	2028	2031	rBV2	8425526	14170203	65.31%	3.888%
68	14.057	2031	2035	2041	rVB	9034464	12580285	57.99%	3.451%
69	14.104	2041	2043	2045	rBV	856891	766483	3.53%	0.210%
70	14.169	2051	2054	2057	rBV	4000224	4453038	20.53%	1.222%
71	14.274	2069	2072	2075	rVB3	924898	931206	4.29%	0.255%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS006-0002-02

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-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.369	2085	2088	2090	rBV2	1133506	1169564	5.39%	0.321%
73	14.410	2090	2095	2098	rVV	3759528	4531612	20.89%	1.243%
74	14.439	2098	2100	2104	rVV2	2403226	2875135	13.25%	0.789%
75	14.486	2104	2108	2113	rVV3	2423955	4260105	19.64%	1.169%
76	14.533	2113	2116	2118	rVV2	2495399	2966248	13.67%	0.814%
77	14.551	2118	2119	2122	rVV2	2337522	1822052	8.40%	0.500%
78	14.604	2122	2128	2131	rVB2	1947400	2343110	10.80%	0.643%
79	14.851	2167	2170	2175	rVB2	869842	1379699	6.36%	0.379%
80	14.898	2175	2178	2182	rBV3	819958	1234891	5.69%	0.339%
81	15.086	2201	2210	2215	rBV	6663460	16878281	77.80%	4.631%
82	15.180	2222	2226	2229	rVB	2180730	2615071	12.05%	0.717%
83	15.380	2253	2260	2265	rVB	5641259	9593436	44.22%	2.632%
84	15.457	2265	2273	2275	rBV2	6300453	11133655	51.32%	3.055%
85	15.498	2277	2280	2283	rVV	1819725	2373521	10.94%	0.651%
86	15.533	2283	2286	2292	rVB2	1577375	2338782	10.78%	0.642%
87	15.668	2305	2309	2312	rBV2	530031	898861	4.14%	0.247%
88	15.815	2330	2334	2337	rVV	706608	1003414	4.63%	0.275%
89	15.851	2337	2340	2346	rVB	715981	1028871	4.74%	0.282%
90	15.927	2349	2353	2358	rVB2	999863	1469179	6.77%	0.403%
91	16.010	2365	2367	2371	rVV2	717744	945208	4.36%	0.259%
92	16.057	2371	2375	2379	rVB	879452	1165993	5.37%	0.320%
93	16.515	2448	2453	2459	rBV4	471258	922582	4.25%	0.253%
94	16.615	2465	2470	2474	rBV2	585361	1072837	4.95%	0.294%
95	16.804	2500	2502	2517	rVB2	757723	2576716	11.88%	0.707%
96	16.980	2522	2532	2537	rBV	2934405	6530318	30.10%	1.792%
97	17.033	2537	2541	2547	rVB2	457755	783396	3.61%	0.215%
98	17.133	2553	2558	2563	rVB	595809	1129162	5.20%	0.310%
99	17.198	2563	2569	2576	rBV	601379	1376860	6.35%	0.378%
100	17.433	2599	2609	2616	rVB	2580234	6279283	28.94%	1.723%

Sum of corrected areas: 364487961

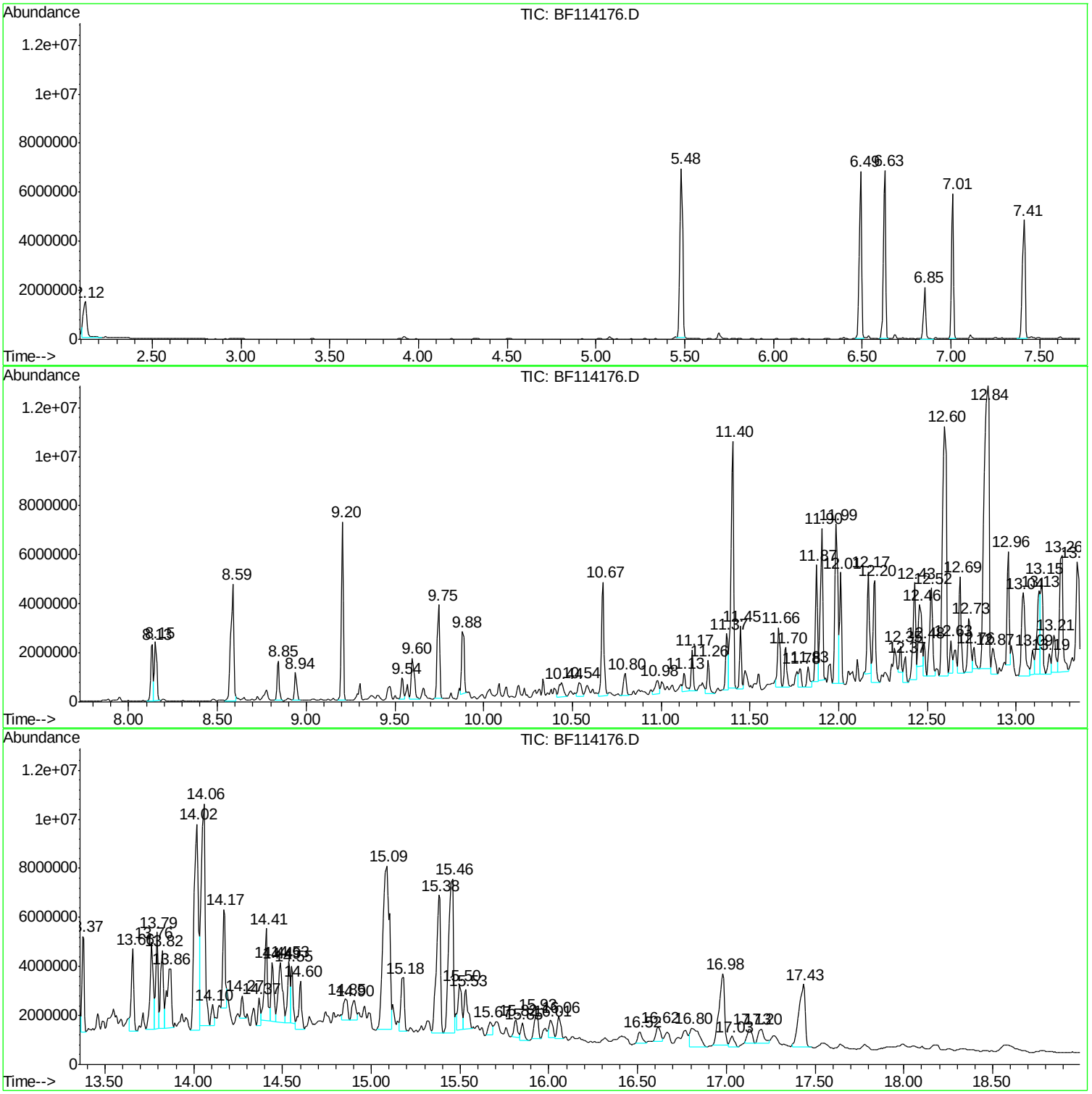
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114176.D
Acq On : 12 May 2019 1:45
Operator : JU/SJ
Sample : K2765-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
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Instrument : BNA_F
ClientSampleId : P026-SS006-0002-02

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

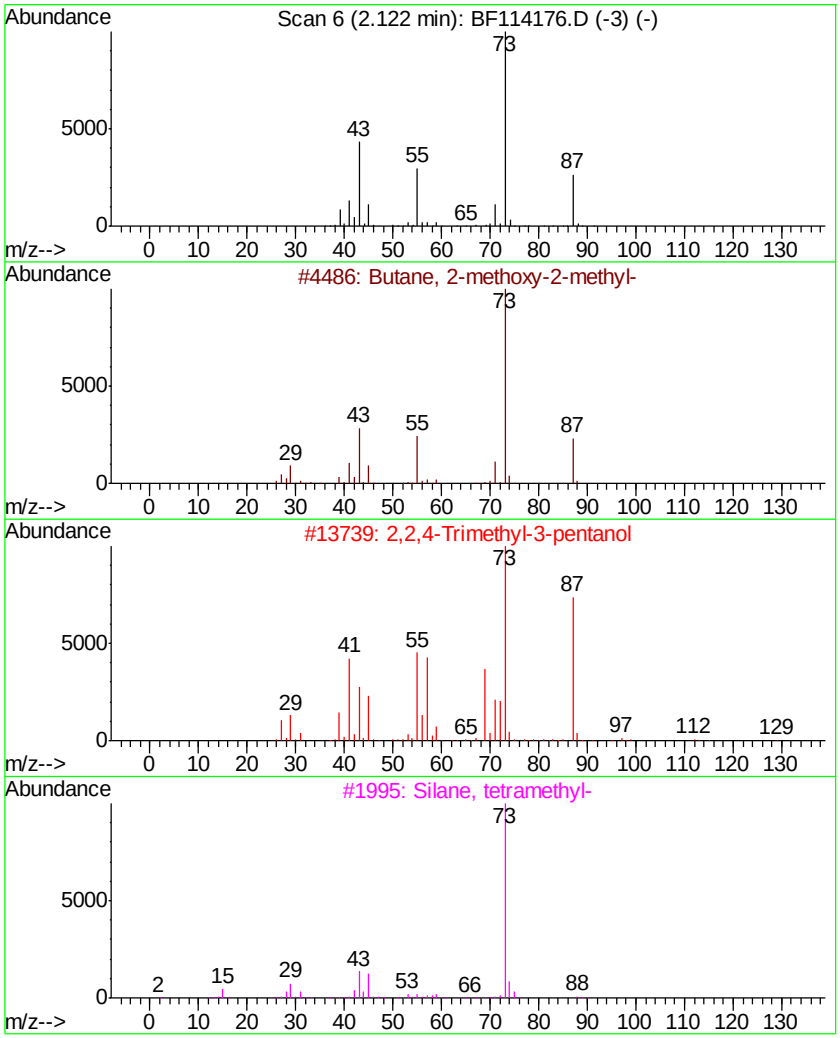
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

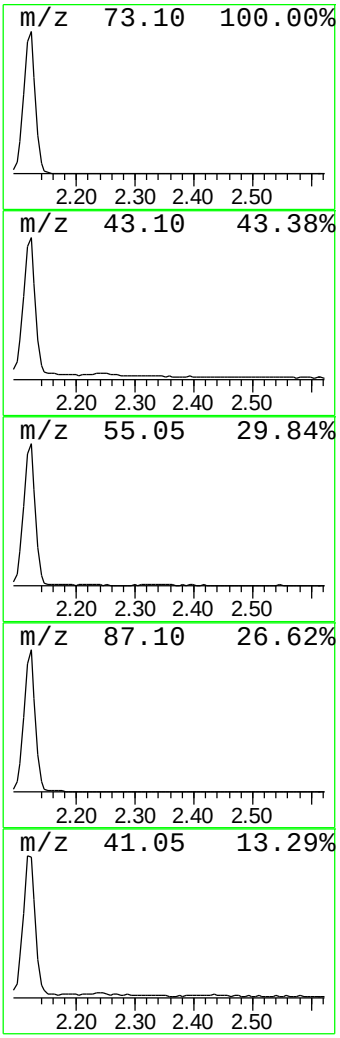
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	21.91 ng	1916750	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	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23





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Acq On : 12 May 2019 1:45
Operator : JU/SJ
Sample : K2765-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-02

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

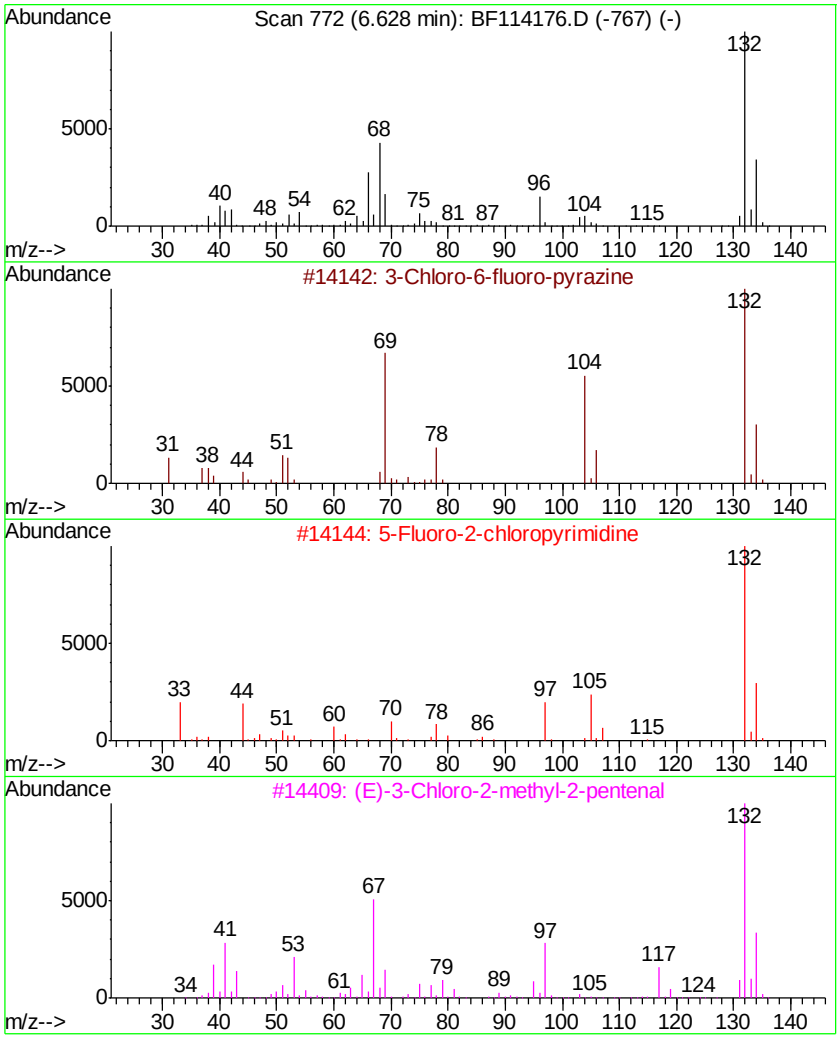
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

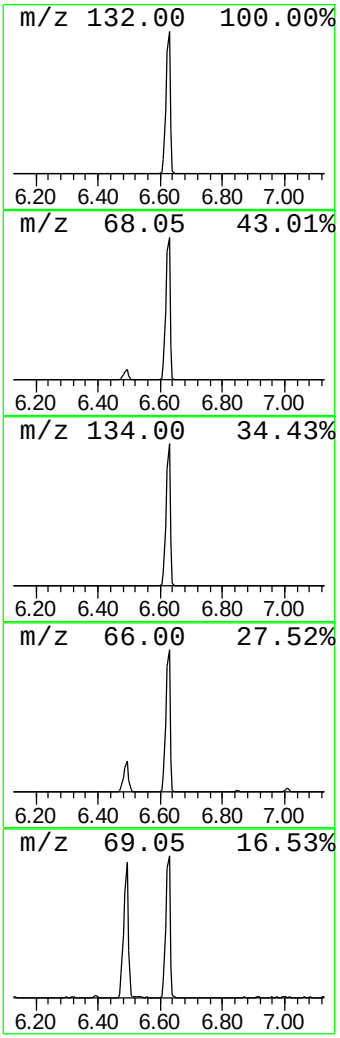
****

Peak Number 2 unknown6.63 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	75.38 ng	6594230	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-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
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ClientSampleId : P026-SS006-0002-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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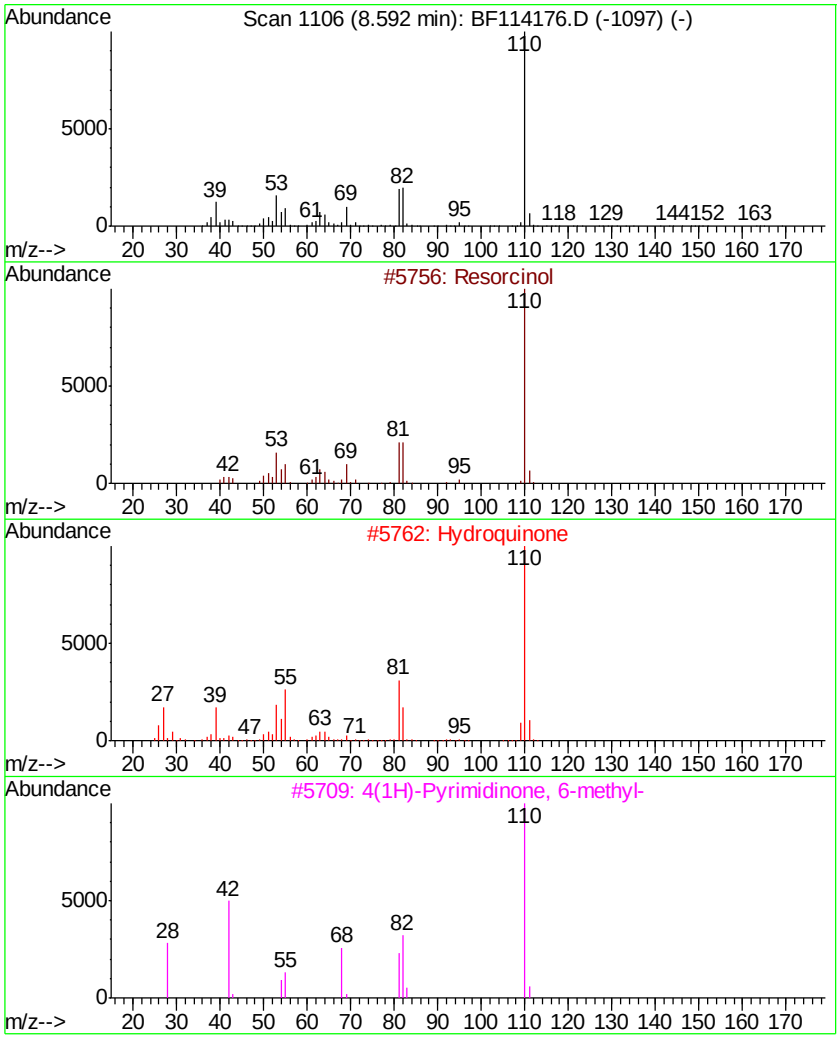
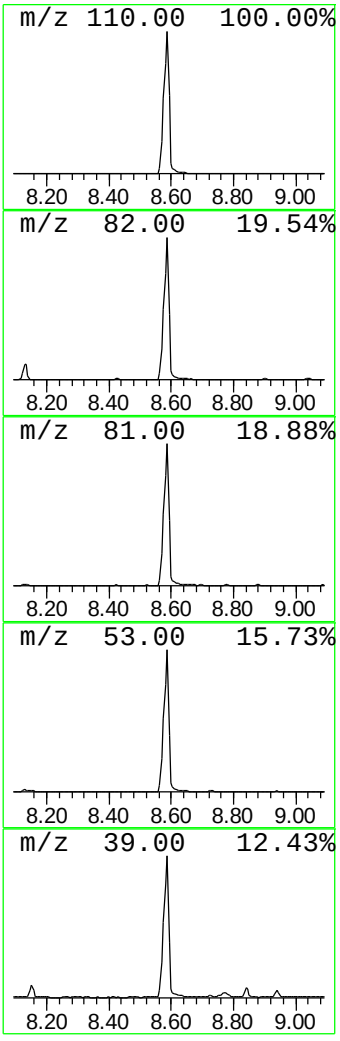
Peak Number 4 Resorcinol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	47.37 ng	5329250	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Resorcinol	110	C6H6O2	000108-46-3	97
2	Hydroquinone	110	C6H6O2	000123-31-9	72
3	4(1H)-Pyrimidinone, 6-methyl-	110	C5H6N2O	003524-87-6	53
4	Catechol	110	C6H6O2	000120-80-9	53
5	2(1H)-Pyridinone, 3-amino-	110	C5H6N2O	033630-99-8	50





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : P026-SS006-0002-02

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

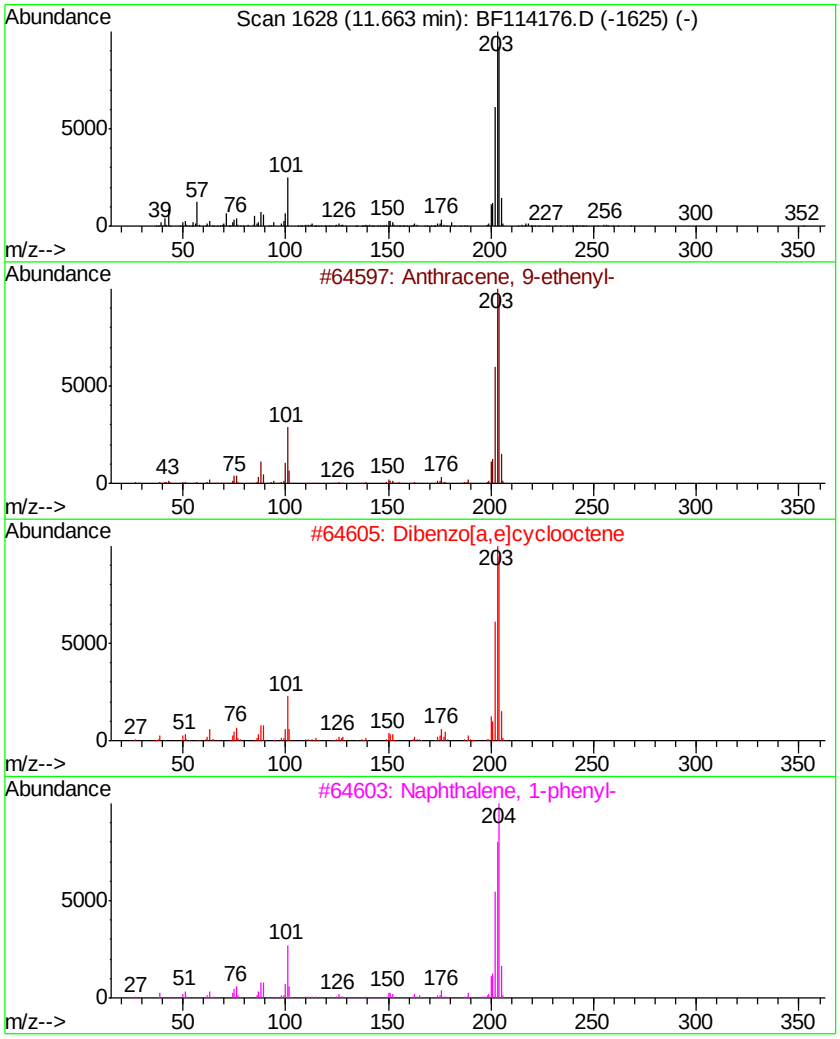
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

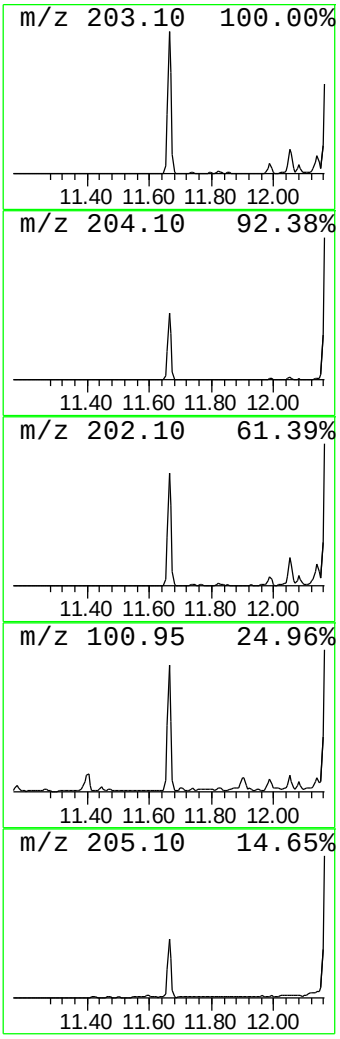
****

Peak Number 5 Anthracene, 9-ethenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	15.76 ng	2050060	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	92
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	90
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	81
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114176.D
Acq On : 12 May 2019 1:45
Operator : JU/SJ
Sample : K2765-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-02

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

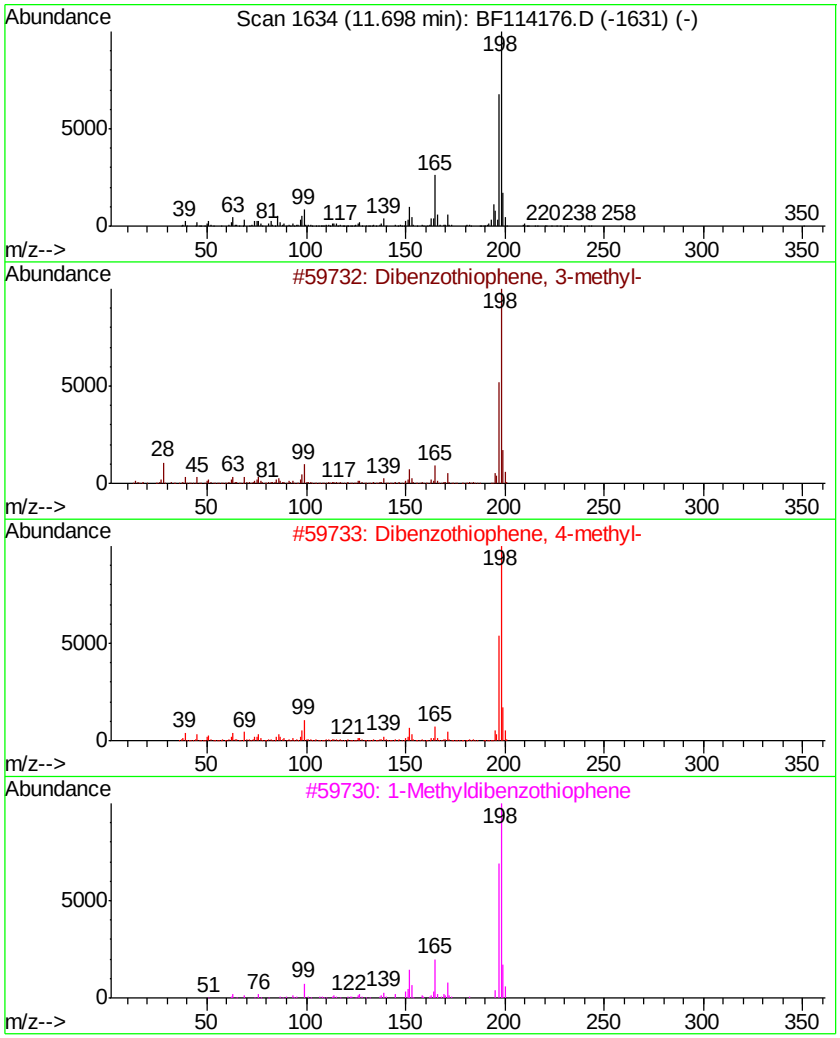
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

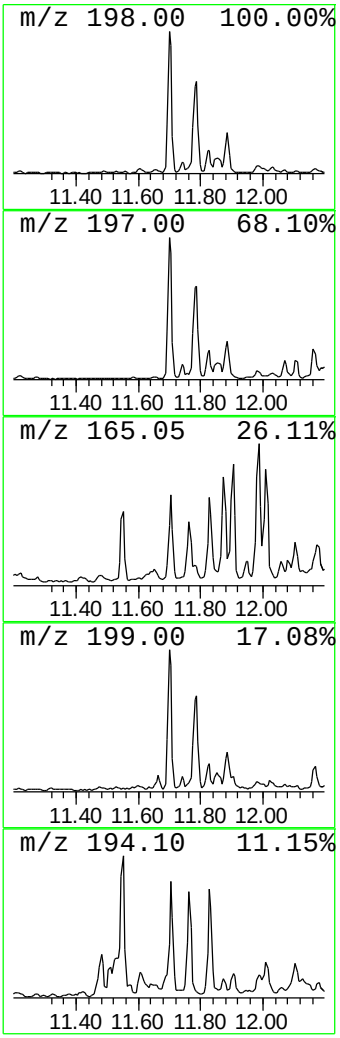
****

Peak Number 6 Dibenzothiophene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	12.13 ng	1577390	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	58
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	58
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	58
4	Thioxanthene	198	C13H10S	000261-31-4	55
5	Tacrine	198	C13H14N2	000321-64-2	50





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Operator : JU/SJ
Sample : K2765-21
Misc :
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ClientSampleId : P026-SS006-0002-02

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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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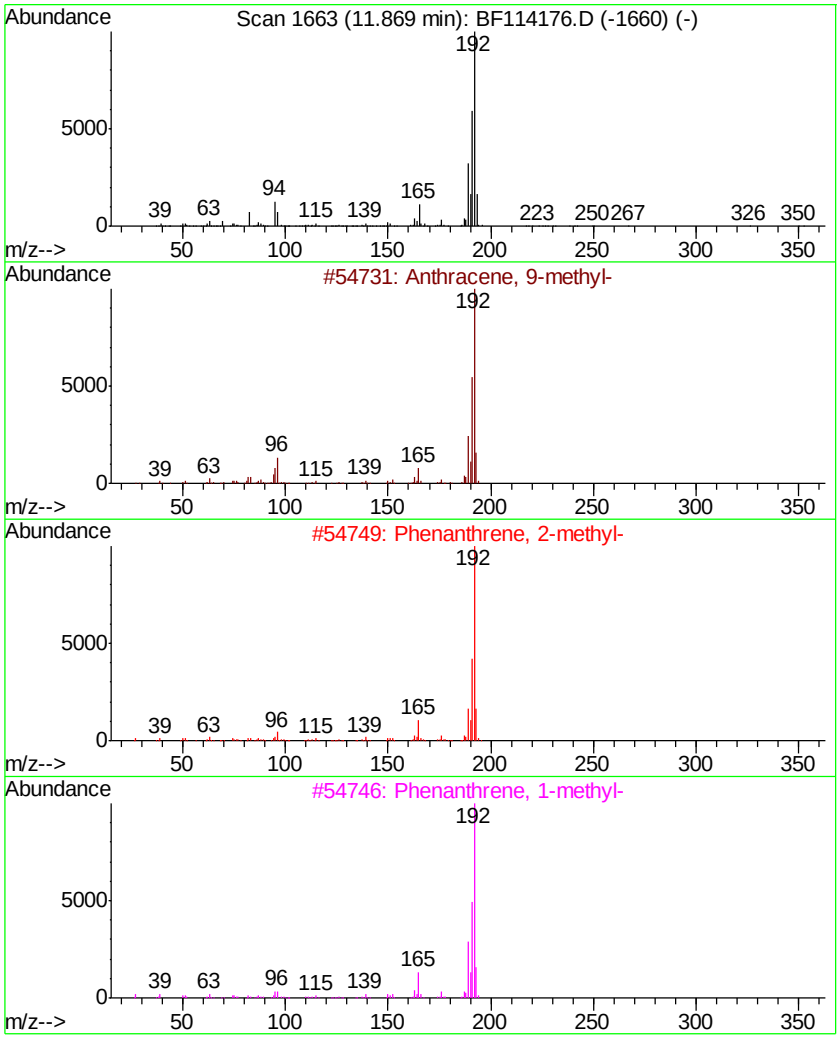
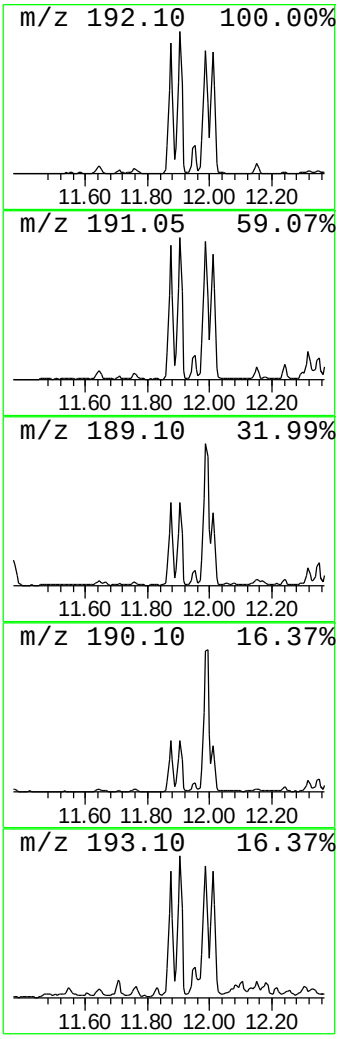
Peak Number 7 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	33.93 ng	4413160	Phenanthrene-d10	11.37

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





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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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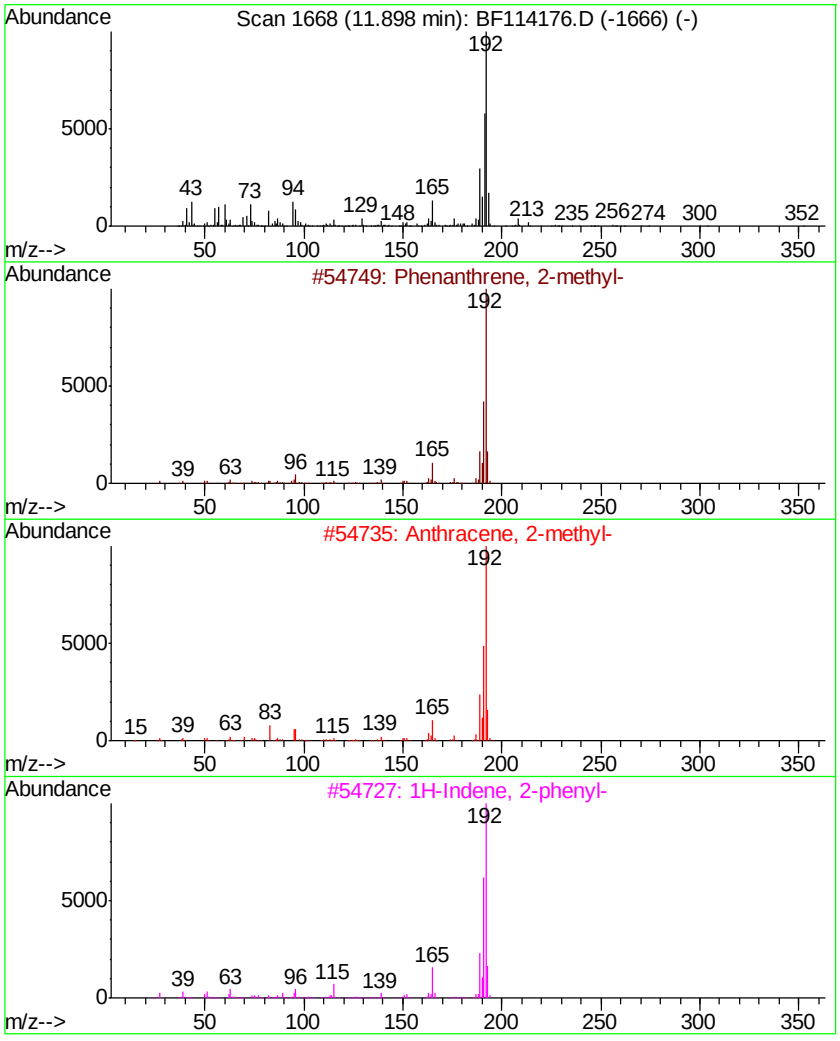
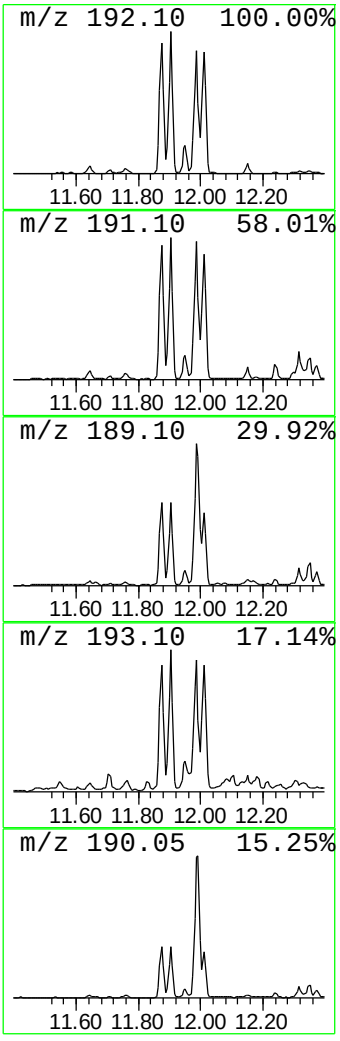
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	42.60 ng	5541220	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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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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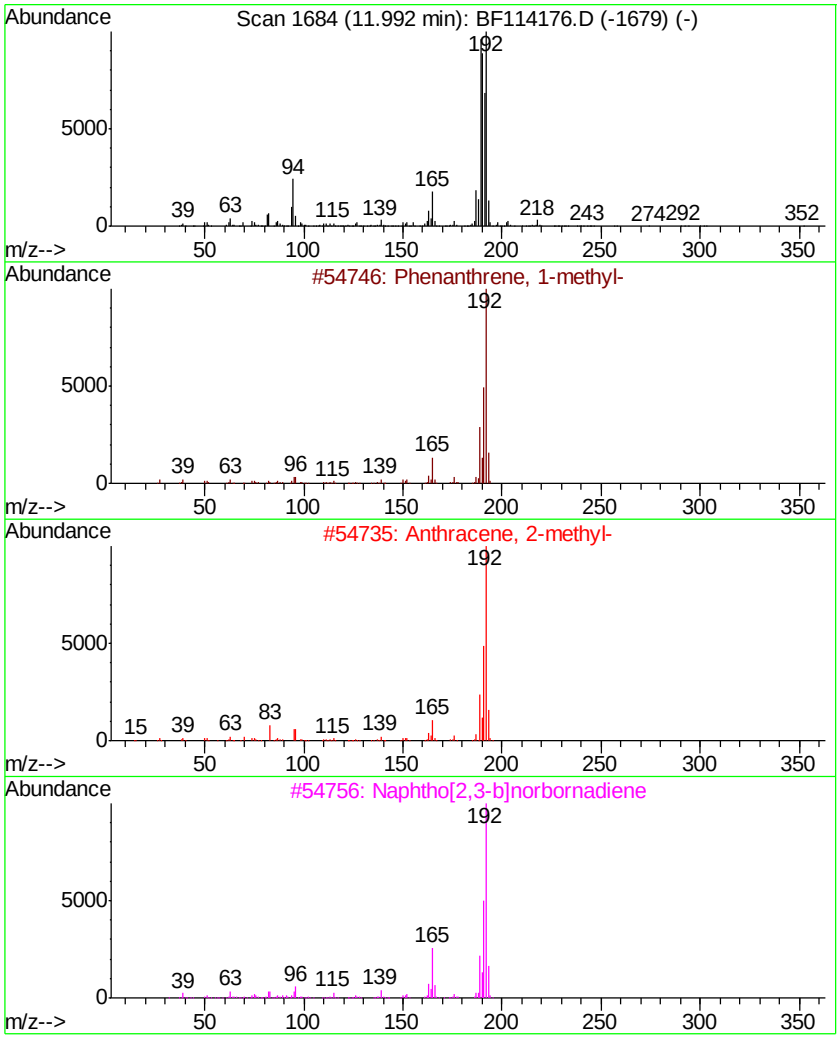
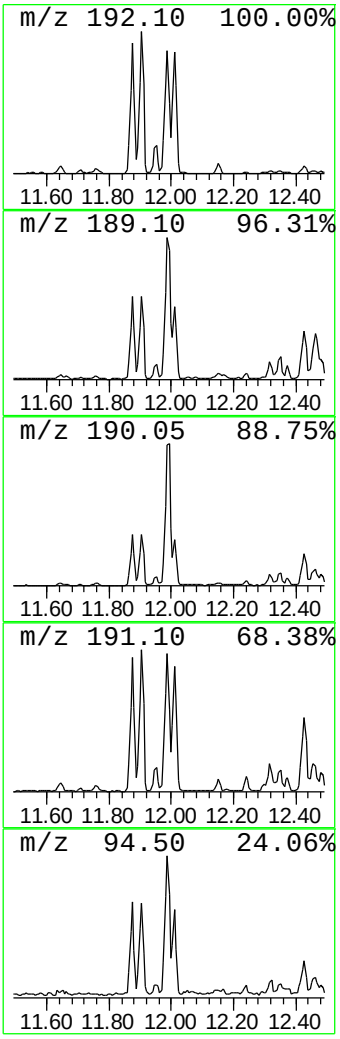
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	51.38 ng	6682960	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60





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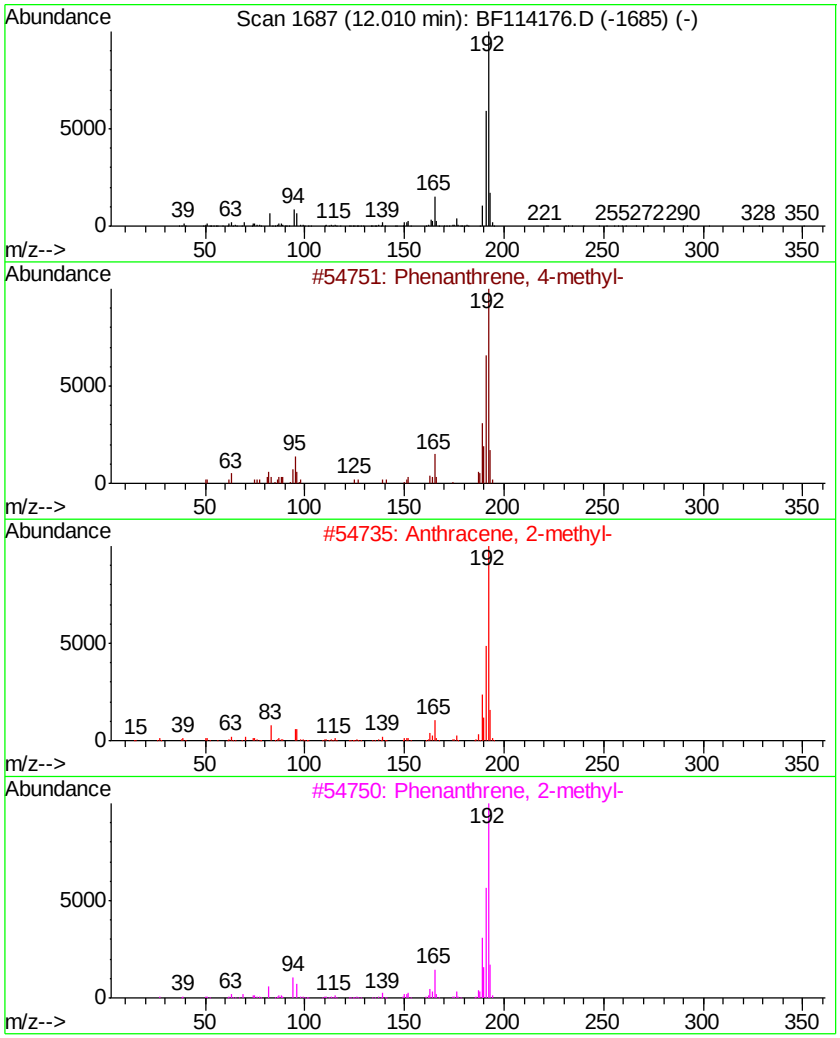
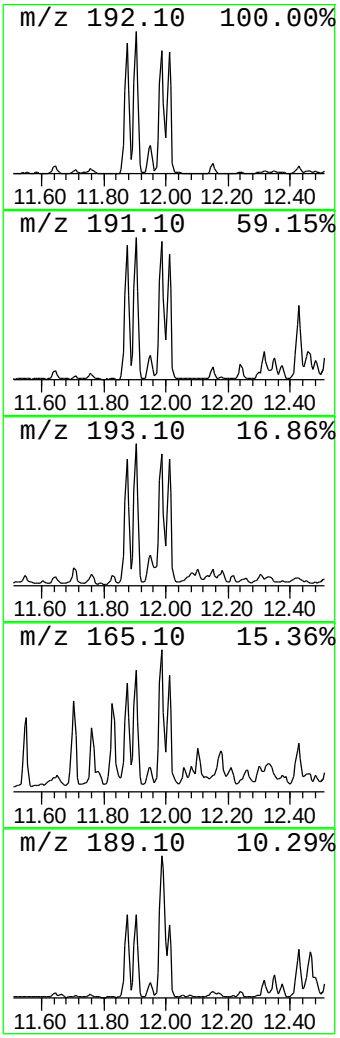
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	28.19 ng	3667240	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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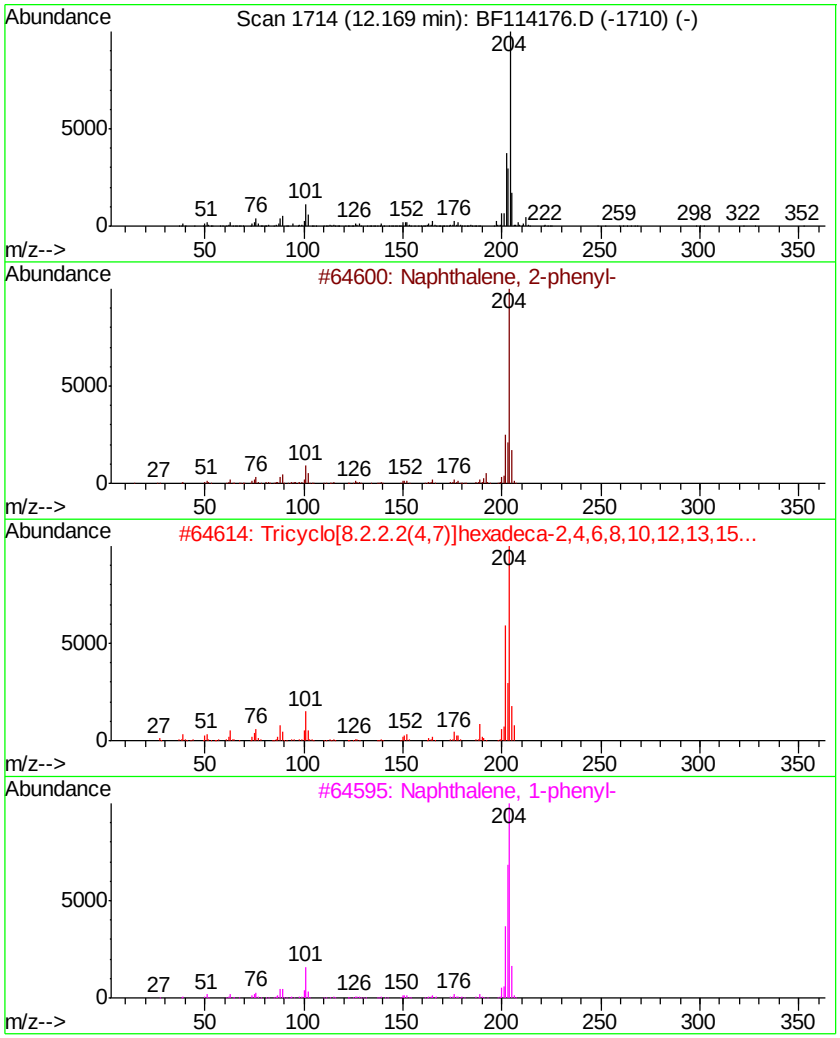
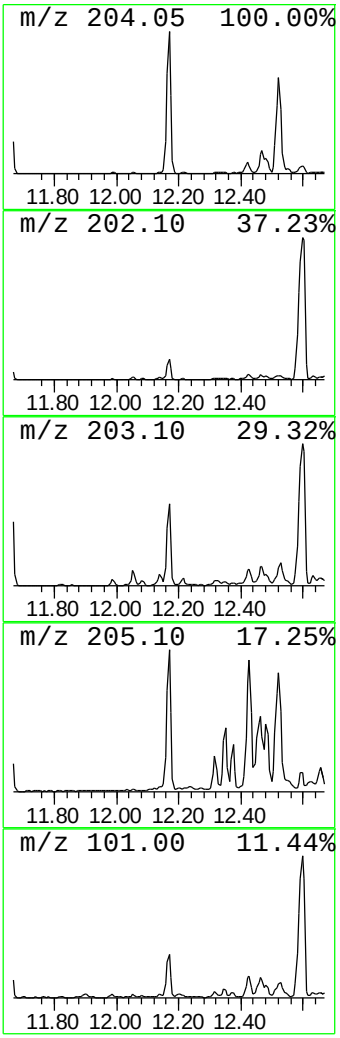
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	29.61 ng	3851480	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	74
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	62
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
5	Levamisole	204	C11H12N2S	014769-73-4	52





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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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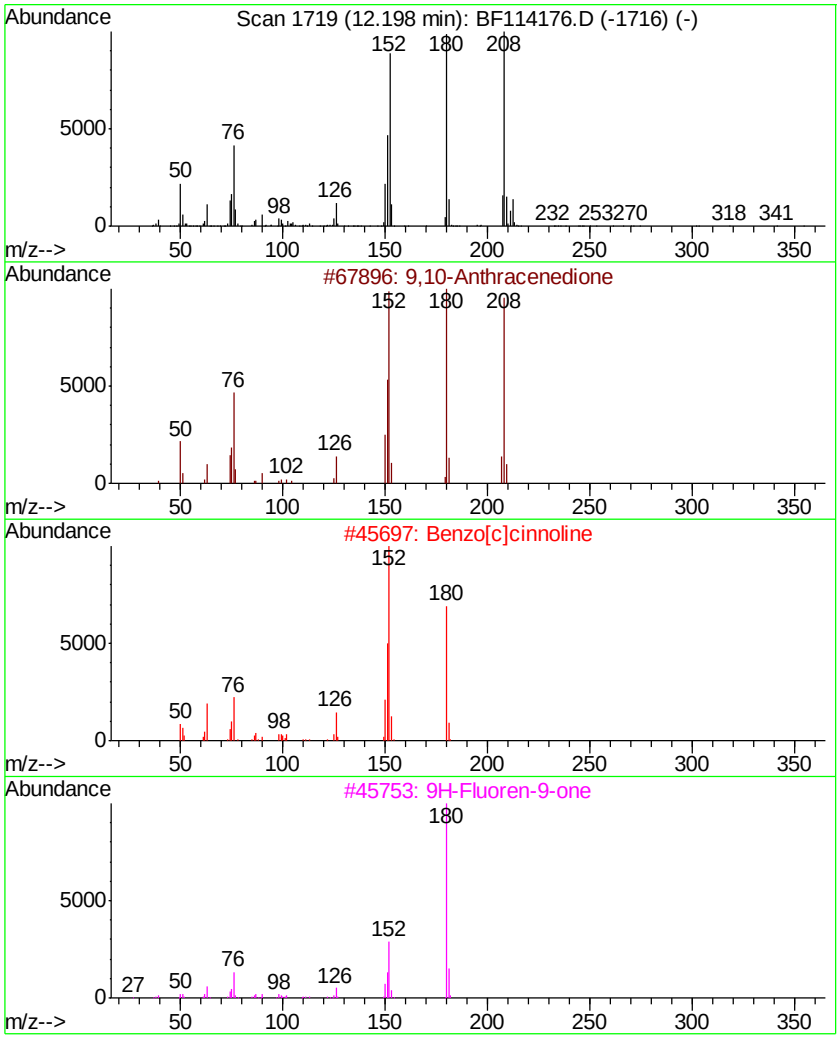
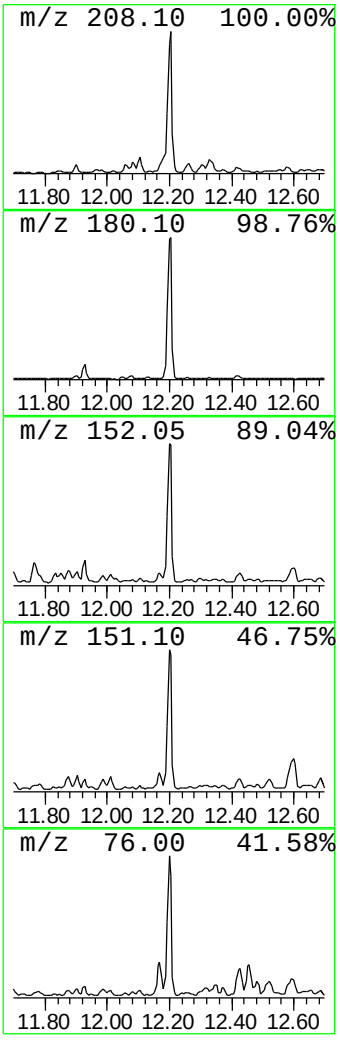
Peak Number 12 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	35.35 ng	4597900	Phenanthrene-d10	11.37

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	60
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55





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

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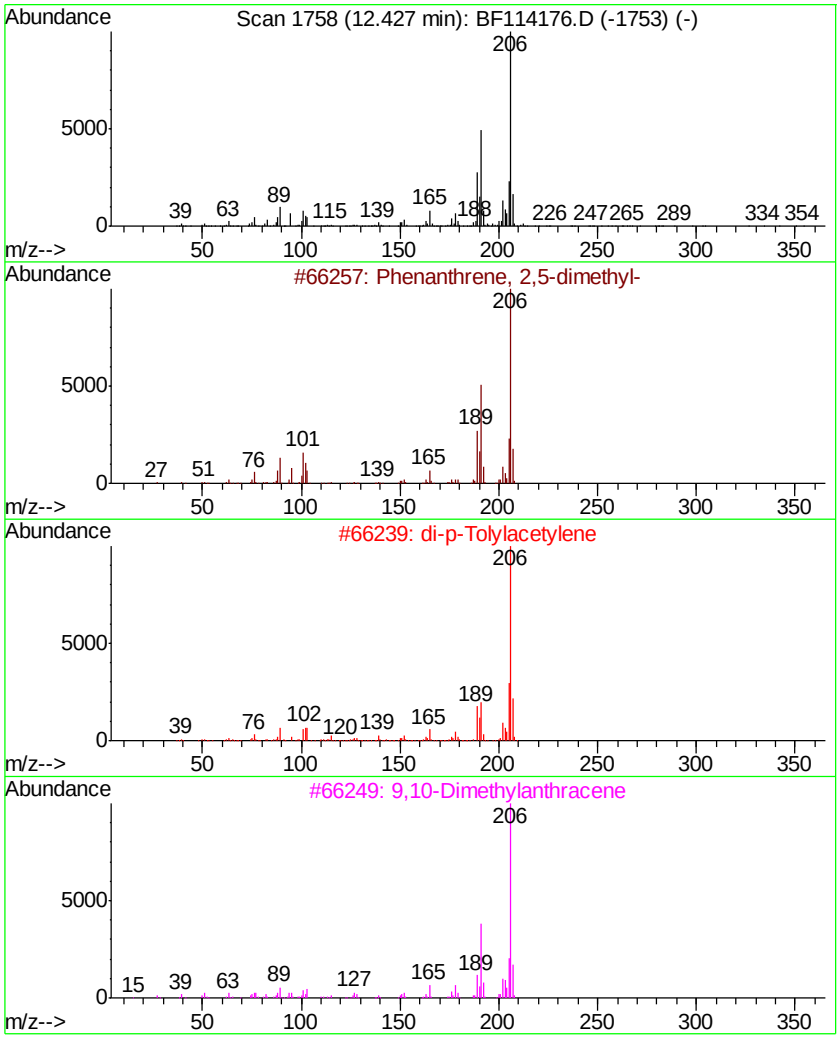
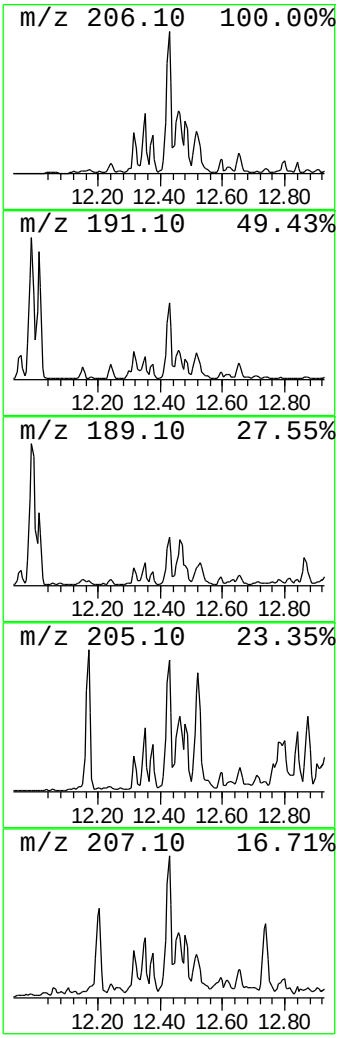
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	33.15 ng	4311730	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	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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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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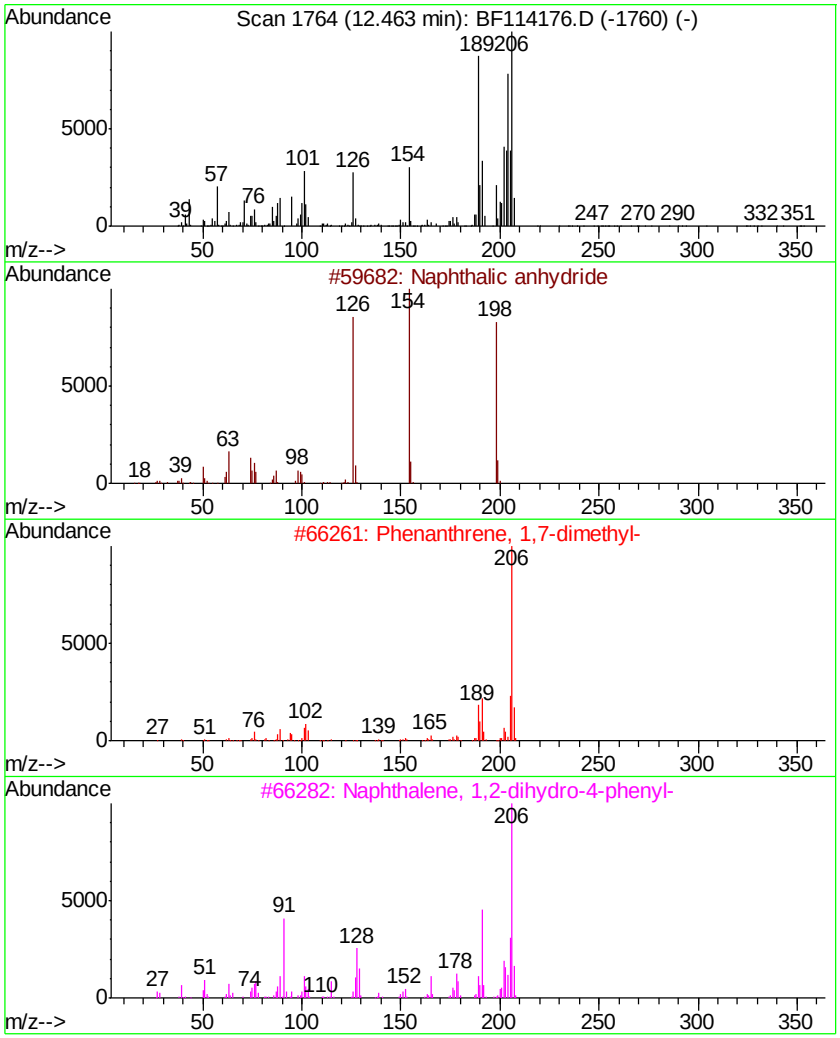
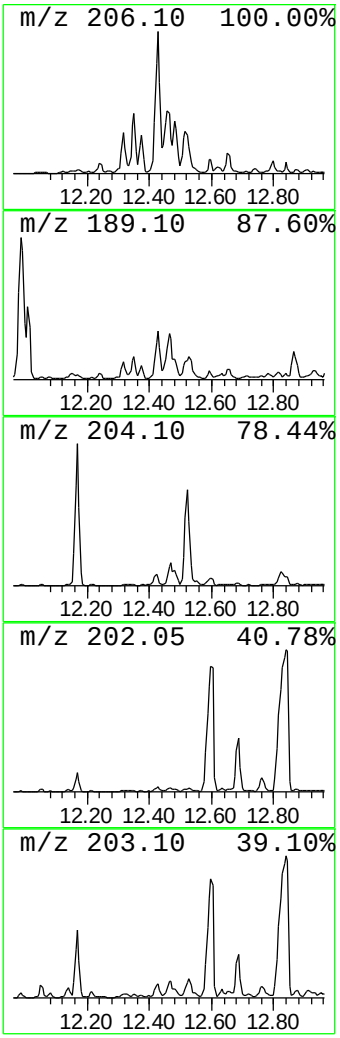
Peak Number 14 Naphthalic anhydride Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	23.43 ng	3046960	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	38
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	35





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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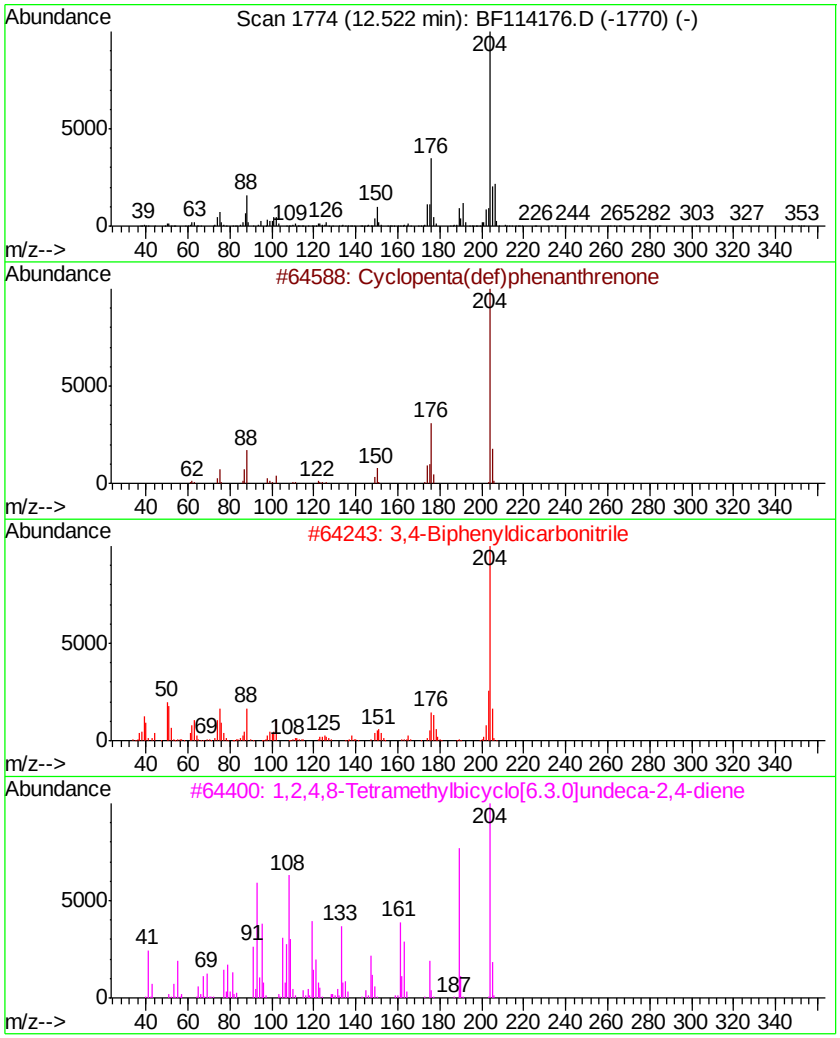
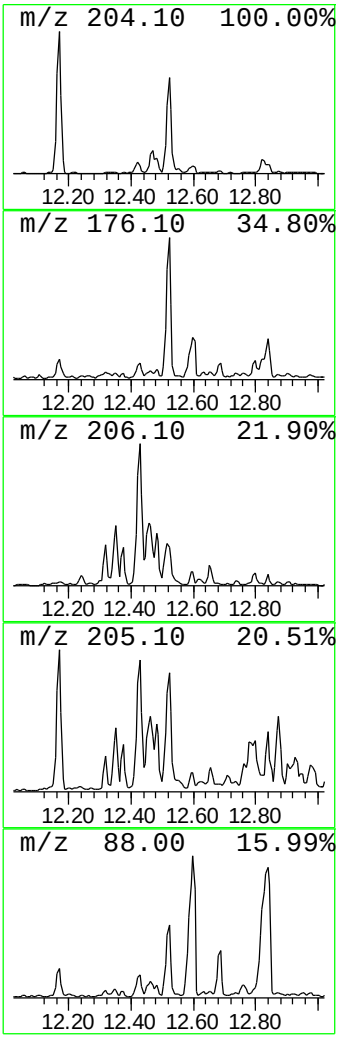
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	33.43 ng	4348520	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	46
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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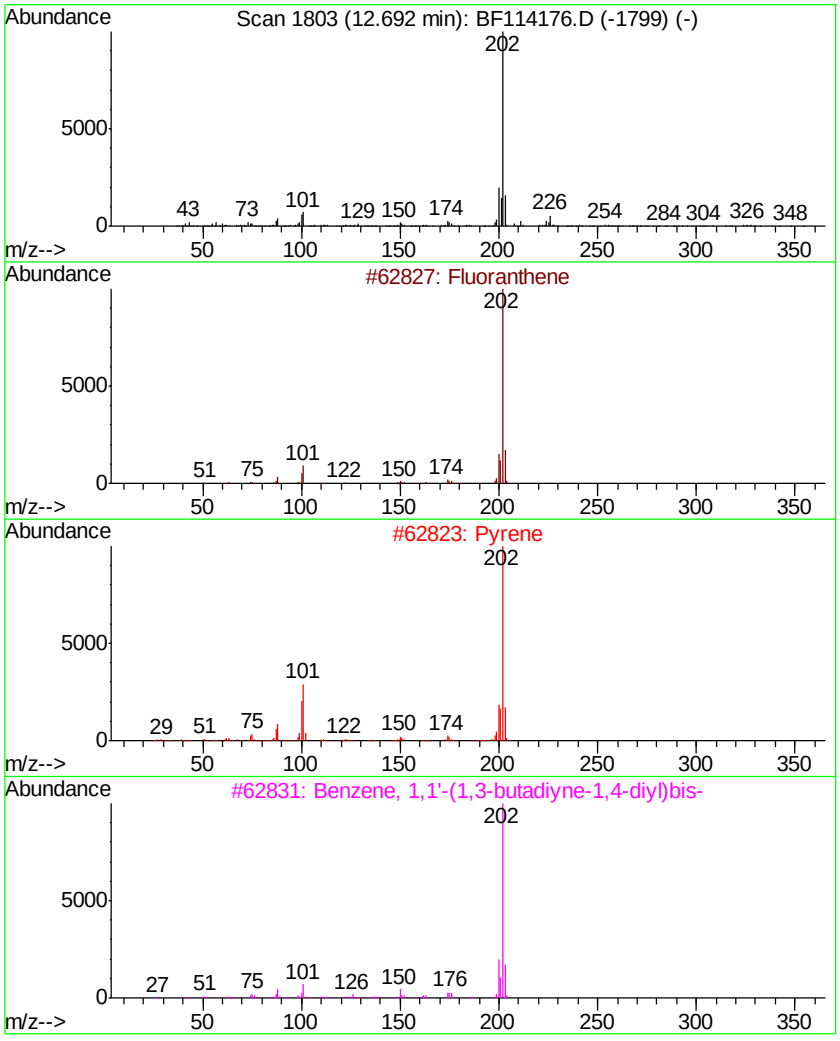
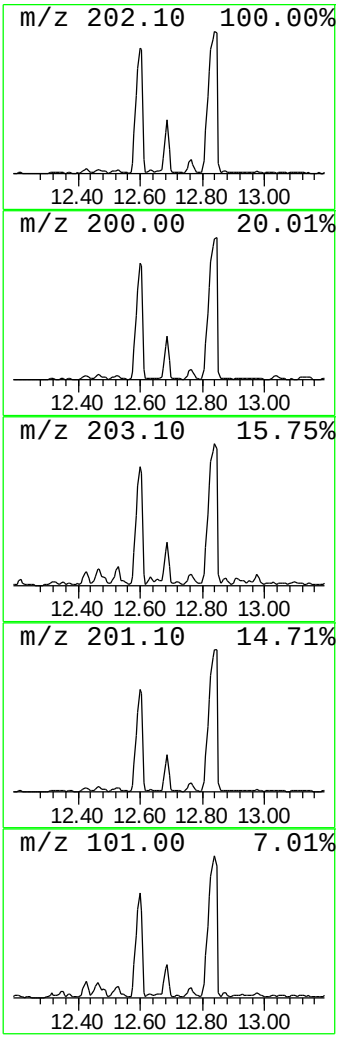
Peak Number 16 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	27.44 ng	3569220	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	87
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	76
4	4-Methoxy-naphthalene-1-carboxyl...	202	C12H10O3	1000317-85-4	40
5	5-(4-Methylphenyl)furan-2-carbox...	202	C12H10O3	1000305-27-5	40





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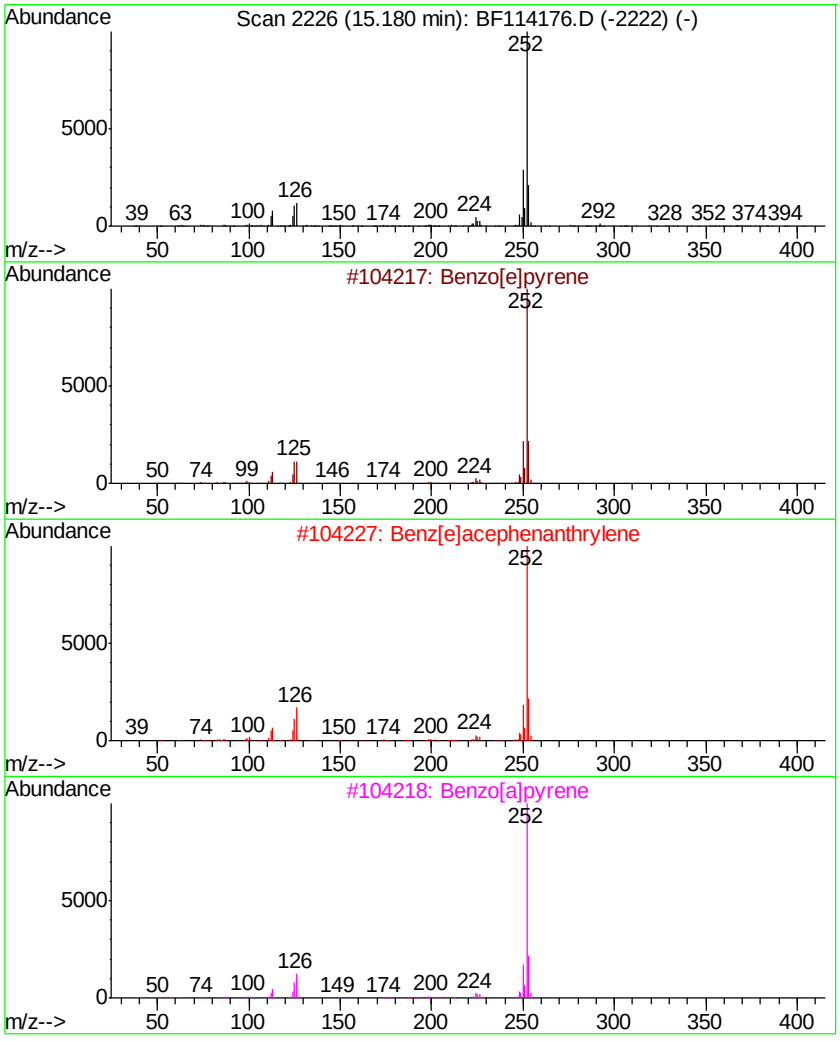
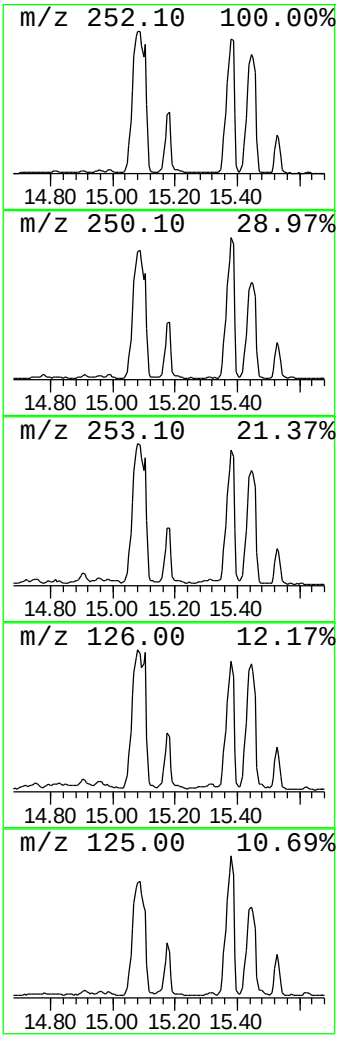
Peak Number 17 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	22.04 ng	2615070	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[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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Acq On : 12 May 2019 1:45
Operator : JU/SJ
Sample : K2765-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-02

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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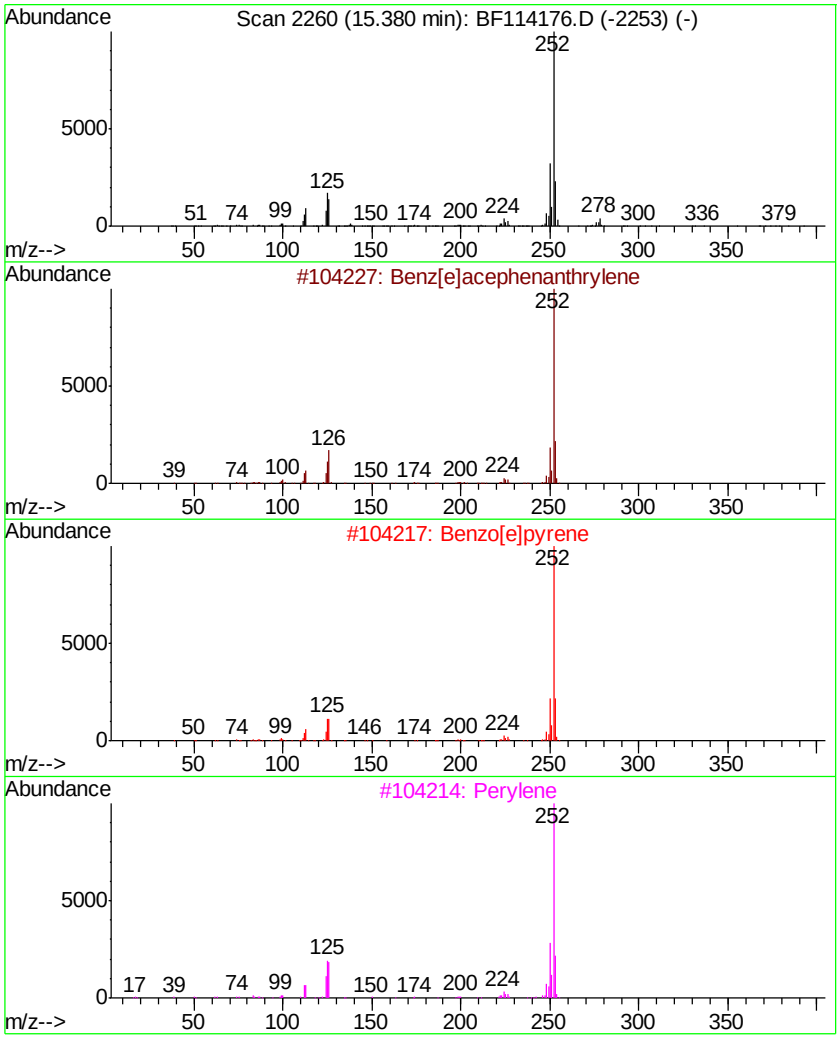
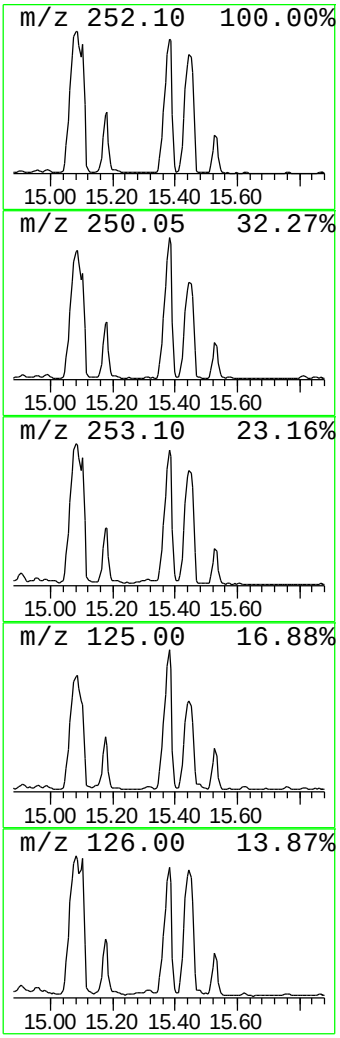
Peak Number 18 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	80.84 ng	9593440	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Perylene	252	C20H12	000198-55-0	98
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114176.D
Acq On : 12 May 2019 1:45
Operator : JU/SJ
Sample : K2765-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-02

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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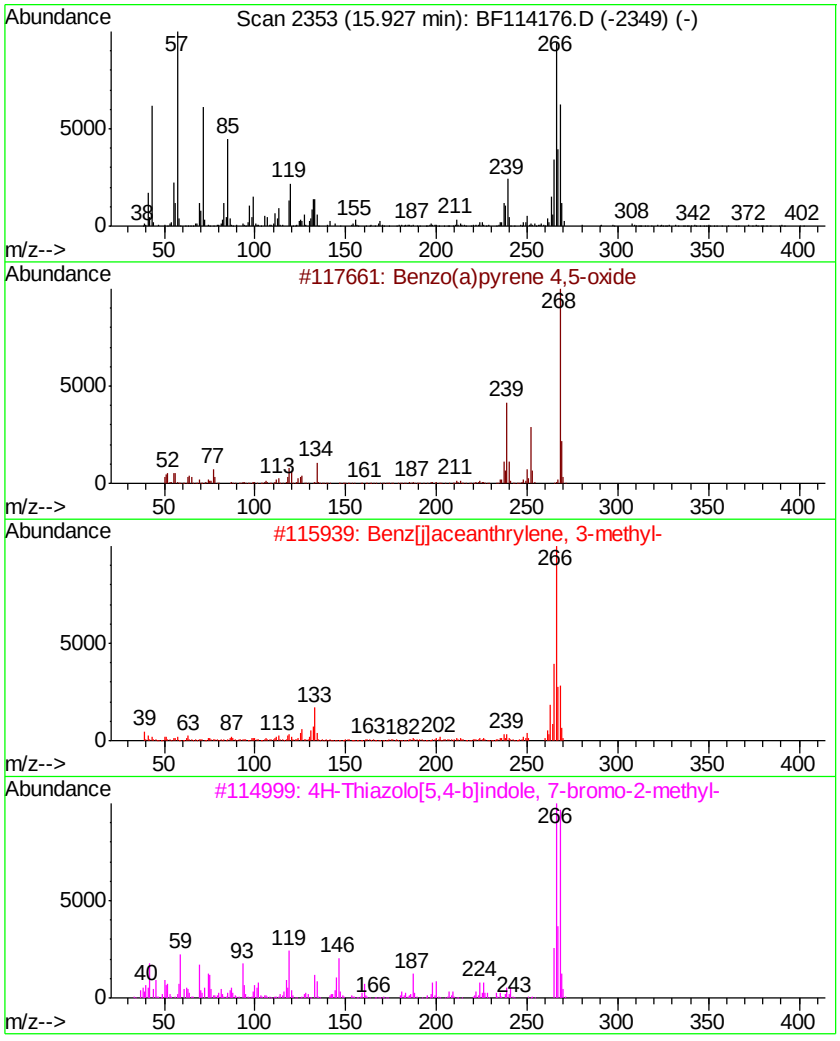
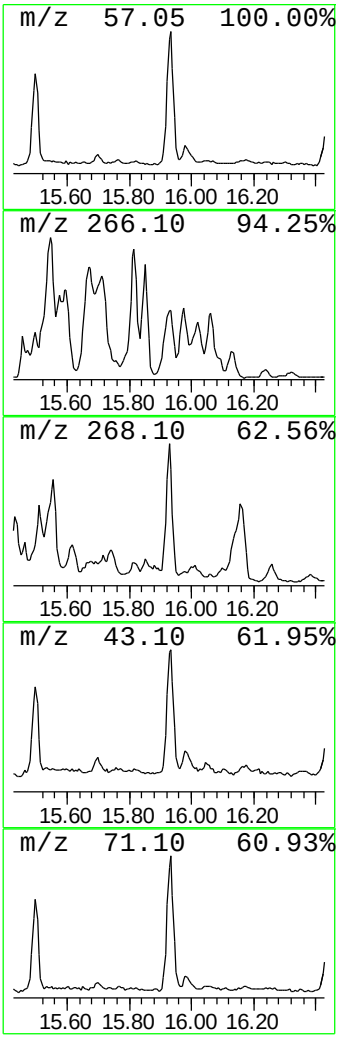
Peak Number 19 unknown15.93 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	12.38 ng	1469180	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	44
2	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	43
3	4H-Thiazolo[5,4-b]indole, 7-brom...	266	C10H7BrN2S	1000337-12-4	43
4	Perylene, 3-methyl-	266	C21H14	024471-47-4	43
5	2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114176.D
Acq On : 12 May 2019 1:45
Operator : JU/SJ
Sample : K2765-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-02

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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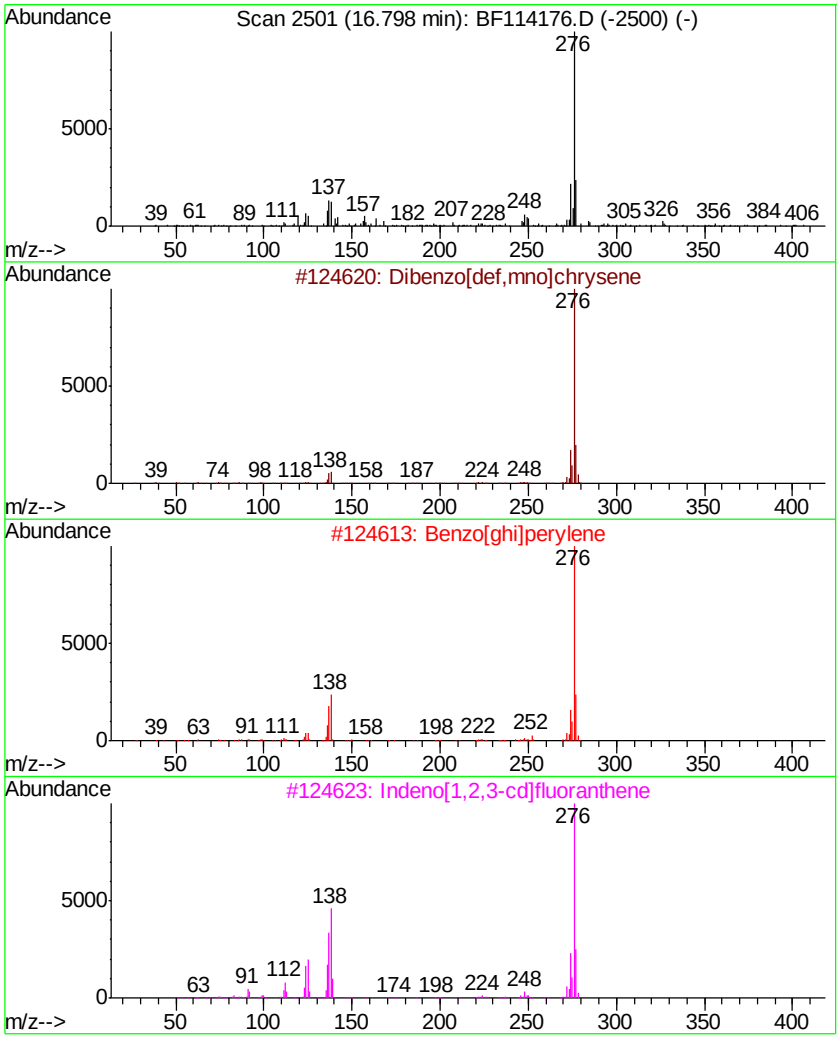
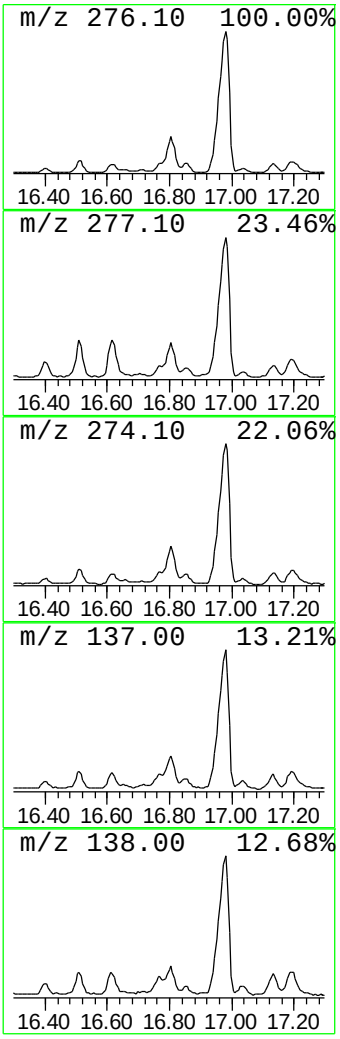
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	21.71 ng	2576720	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	89
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	89
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	76
4	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	74
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114176.D
Acq On : 12 May 2019 1:45
Operator : JU/SJ
Sample : K2765-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-02

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...	2.12	21.9	ng	1916750	1	6.85	1749550	20.0
unknown6.63	6.63	75.4	ng	6594230	1	6.85	1749550	20.0
Resorcinol	8.59	47.4	ng	5329250	2	8.13	2250140	20.0
Anthracene, 9-eth...	11.66	15.8	ng	2050060	4	11.37	2601370	20.0
Dibenzothiophene,...	11.70	12.1	ng	1577390	4	11.37	2601370	20.0
Anthracene, 9-met...	11.87	33.9	ng	4413160	4	11.37	2601370	20.0
Phenanthrene, 2-m...	11.90	42.6	ng	5541220	4	11.37	2601370	20.0
Phenanthrene, 1-m...	11.99	51.4	ng	6682960	4	11.37	2601370	20.0
Phenanthrene, 4-m...	12.01	28.2	ng	3667240	4	11.37	2601370	20.0
Naphthalene, 2-ph...	12.17	29.6	ng	3851480	4	11.37	2601370	20.0
9,10-Anthracenedione	12.20	35.4	ng	4597900	4	11.37	2601370	20.0
Phenanthrene, 2,5...	12.43	33.1	ng	4311730	4	11.37	2601370	20.0
Naphthalic anhydride	12.46	23.4	ng	3046960	4	11.37	2601370	20.0
Cyclopenta(def)ph...	12.52	33.4	ng	4348520	4	11.37	2601370	20.0
Benzene, 1,1'-(1,...	12.69	27.4	ng	3569220	4	11.37	2601370	20.0
Benzo[e]pyrene	15.18	22.0	ng	2615070	6	15.50	2373520	20.0
Benzo[j]fluoranthene	15.38	80.8	ng	9593440	6	15.50	2373520	20.0
unknown15.93	15.93	12.4	ng	1469180	6	15.50	2373520	20.0
Dibenzo[def,mno]c...	16.80	21.7	ng	2576720	6	15.50	2373520	20.0