LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114226.D
Acq On : 13 May 2019 14:05
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

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	2.128	3	7	16	rVB	1255042	1652665	9.72%	0.569%
2	5.498	575	580	593	rVB	5128924	5543576	32.59%	1.907%
3	6.510	747	752	755	rBV	5540551	5996938	35.26%	2.063%
4	6.633	769	773	776	rBV	6310528	5812544	34.18%	1.999%
5	6.857	807	811	818	rVB	1983322	1799466	10.58%	0.619%
6	7.016	833	838	841	rBV	4705551	4547572	26.74%	1.564%
7	7.416	898	906	909	rBV	4218778	4107669	24.15%	1.413%
8	8.133	1023	1028	1030	rBV	2413723	2345307	13.79%	0.807%
9	8.157	1030	1032	1036	rVV	2180499	1665256	9.79%	0.573%
10	8.780	1132	1138	1144	rVB	419604	656476	3.86%	0.226%
11	8.851	1146	1150	1153	rVB	1294954	1166301	6.86%	0.401%
12	8.945	1163	1166	1170	rBV	1014415	824643	4.85%	0.284%
13	9.210	1206	1211	1214	rBV	6359497	5320327	31.28%	1.830%
14	9.545	1265	1268	1271	rBV	726448	768027	4.52%	0.264%
15	9.604	1275	1278	1285	rVB2	1446129	1860269	10.94%	0.640%
16	9.751	1299	1303	1306	rBV	3543116	2953498	17.37%	1.016%
17	9.892	1324	1327	1330	rVV	2709462	2421009	14.23%	0.833%
18	10.445	1417	1421	1426	rVB3	467617	813115	4.78%	0.280%
19	10.545	1432	1438	1442	rBV3	433885	700040	4.12%	0.241%
20	10.680	1458	1461	1465	rVB	3683322	3448693	20.28%	1.186%
21	10.804	1477	1482	1488	rBV2	1111918	1557054	9.16%	0.536%
22	10.986	1509	1513	1516	rVV4	492347	792844	4.66%	0.273%
23	11.139	1537	1539	1543	rVV	761159	750399	4.41%	0.258%
24	11.186	1543	1547	1550	rVV	1207818	1205327	7.09%	0.415%
25	11.239	1551	1556	1558	rVV2	871709	913654	5.37%	0.314%
26	11.274	1558	1562	1567	rVB	1200652	1240916	7.30%	0.427%
27	11.380	1576	1580	1582	rVV	2233974	2688092	15.81%	0.925%
28	11.410	1582	1585	1588	rVV	8350994	9107299	53.55%	3.133%
29	11.457	1590	1593	1595	rVV	1668323	1416118	8.33%	0.487%
30	11.486	1595	1598	1601	rVV2	565883	696286	4.09%	0.240%
31	11.557	1604	1610	1613	rVB3	489622	687606	4.04%	0.237%
32	11.668	1624	1629	1632	rVB3	2144784	2215768	13.03%	0.762%
33	11.710	1633	1636	1640	rVB2	1425575	1239702	7.29%	0.426%
34	11.792	1648	1650	1654	rVB	678906	666040	3.92%	0.229%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114226.D
Acq On : 13 May 2019 14:05
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

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

35	11.839	1654	1658	1662	rBV4	662262	947895	5.57%	0.326%
36	11.880	1662	1665	1668	rVV	3341856	3639396	21.40%	1.252%
37	11.910	1668	1670	1673	rVV	4427322	4297191	25.27%	1.478%
38	11.992	1681	1684	1687	rVV2	4660251	5268859	30.98%	1.812%
39	12.021	1687	1689	1692	rVB	3180018	2457474	14.45%	0.845%
40	12.074	1693	1698	1699	rBV2	877148	1065812	6.27%	0.367%
41	12.174	1711	1715	1718	rVV	3319604	3258847	19.16%	1.121%
42	12.210	1718	1721	1726	rVB2	3459984	3411320	20.06%	1.173%
43	12.321	1739	1740	1744	rVV	881032	1036383	6.09%	0.357%
44	12.357	1744	1746	1748	rVV	1197842	1021576	6.01%	0.351%
45	12.380	1748	1750	1753	rVB2	818193	692199	4.07%	0.238%
46	12.433	1755	1759	1762	rVV2	2905476	3380402	19.88%	1.163%
47	12.468	1762	1765	1767	rVV2	2467037	3083843	18.13%	1.061%
48	12.492	1767	1769	1771	rVV	1214704	984820	5.79%	0.339%
49	12.527	1771	1775	1779	rVV3	2502930	3345612	19.67%	1.151%
50	12.610	1783	1789	1791	rVV	8508475	11052972	64.99%	3.802%
51	12.639	1791	1794	1796	rVV	1091644	1154621	6.79%	0.397%
52	12.663	1796	1798	1800	rVV2	904519	929511	5.47%	0.320%
53	12.692	1800	1803	1807	rVV	2881903	2929263	17.22%	1.008%
54	12.745	1808	1812	1814	rVV3	1736177	1981070	11.65%	0.681%
55	12.768	1814	1816	1821	rVV	1065002	1422956	8.37%	0.489%
56	12.845	1822	1829	1832	rVV	9838123	17007511	100.00%	5.850%
57	12.880	1832	1835	1839	rVB3	828697	983690	5.78%	0.338%
58	12.963	1846	1849	1851	rVV	4054206	3779943	22.23%	1.300%
59	12.986	1851	1853	1859	rVB3	884006	874583	5.14%	0.301%
60	13.045	1859	1863	1869	rBV2	2413413	3881574	22.82%	1.335%
61	13.098	1869	1872	1874	rVV3	721589	700947	4.12%	0.241%
62	13.133	1874	1878	1879	rVV3	2420362	2659926	15.64%	0.915%
63	13.157	1880	1882	1885	rVV	2970750	2536932	14.92%	0.873%
64	13.192	1885	1888	1890	rVV3	580120	832327	4.89%	0.286%
65	13.221	1890	1893	1897	rVV3	1346179	1577461	9.28%	0.543%
66	13.262	1897	1900	1904	rVV	3638336	3656499	21.50%	1.258%
67	13.357	1912	1916	1918	rVV	3303137	3171582	18.65%	1.091%
68	13.386	1918	1921	1924	rVB	3065497	2650121	15.58%	0.912%
69	13.468	1932	1935	1938	rBV2	636993	744293	4.38%	0.256%
70	13.668	1965	1969	1972	rVB	1926883	2030205	11.94%	0.698%
71	13.727	1976	1979	1980	rVV	1142373	1310916	7.71%	0.451%

LSC Area Percent Report

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Acq On : 13 May 2019 14:05
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

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

72	13.774	1982	1987	1989	rVV	3596052	5902681	34.71%	2.030%
73	13.804	1989	1992	1994	rVV	3333048	3955963	23.26%	1.361%
74	13.833	1994	1997	1999	rVV	2271838	2595674	15.26%	0.893%
75	13.857	1999	2001	2003	rVV	1549876	1741537	10.24%	0.599%
76	13.874	2003	2004	2008	rVB	1632418	1335351	7.85%	0.459%
77	14.027	2024	2030	2033	rBV2	6492202	10280054	60.44%	3.536%
78	14.068	2033	2037	2043	rVB	6698118	8988143	52.85%	3.092%
79	14.186	2053	2057	2066	rVB3	3242362	4729803	27.81%	1.627%
80	14.386	2088	2091	2093	rBV2	748093	832883	4.90%	0.287%
81	14.427	2093	2098	2100	rVV	2319582	3053189	17.95%	1.050%
82	14.457	2100	2103	2107	rVV2	1659746	2271363	13.36%	0.781%
83	14.504	2107	2111	2116	rVV4	1715221	3430659	20.17%	1.180%
84	14.557	2116	2120	2121	rVV2	1808202	2156899	12.68%	0.742%
85	14.574	2121	2123	2126	rVV2	1745674	1638585	9.63%	0.564%
86	14.621	2128	2131	2134	rVB	1418604	1355465	7.97%	0.466%
87	14.874	2171	2174	2179	rVB	1548486	1599552	9.40%	0.550%
88	14.927	2179	2183	2185	rBV3	591589	806124	4.74%	0.277%
89	15.104	2206	2213	2222	rVV2	4962589	12753110	74.99%	4.387%
90	15.204	2226	2230	2234	rVB	1672976	1998021	11.75%	0.687%
91	15.409	2258	2265	2269	rVB	4709166	7387201	43.43%	2.541%
92	15.480	2269	2277	2280	rBV2	5300806	9301813	54.69%	3.200%
93	15.527	2282	2285	2288	rVV2	1467015	1989405	11.70%	0.684%
94	15.556	2288	2290	2296	rVB3	1151773	1668447	9.81%	0.574%
95	15.845	2335	2339	2342	rBV	584249	775366	4.56%	0.267%
96	15.956	2354	2358	2363	rVB2	1013317	1583937	9.31%	0.545%
97	16.092	2377	2381	2385	rVB2	705098	977442	5.75%	0.336%
98	17.021	2531	2539	2545	rBV	2172439	4781229	28.11%	1.645%
99	17.239	2572	2576	2583	rBV	424507	836270	4.92%	0.288%
100	17.480	2608	2617	2626	rVB	1936482	4635360	27.25%	1.595%

Sum of corrected areas: 290702554

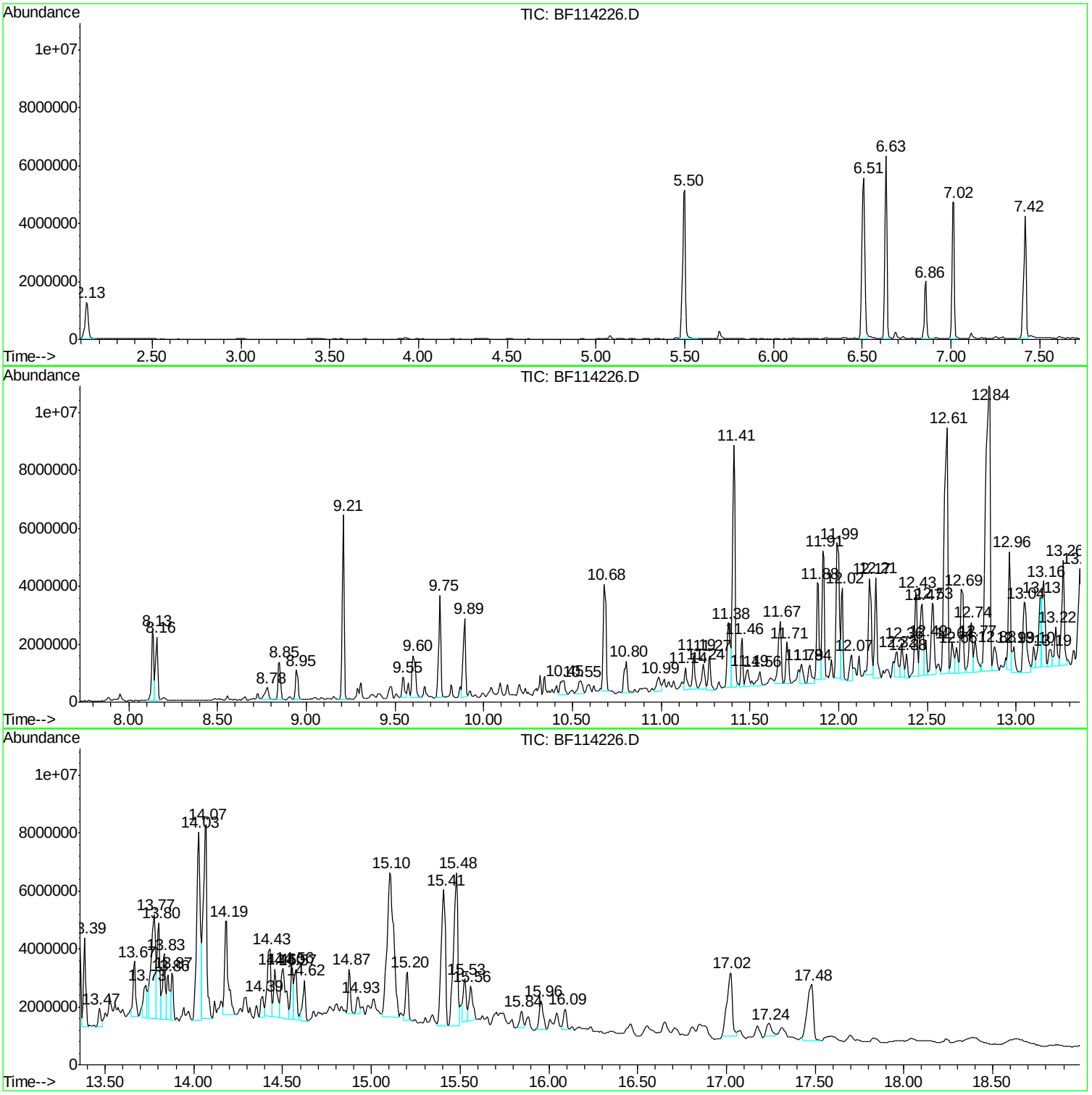
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114226.D
Acq On : 13 May 2019 14:05
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114226.D
Acq On : 13 May 2019 14:05
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

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

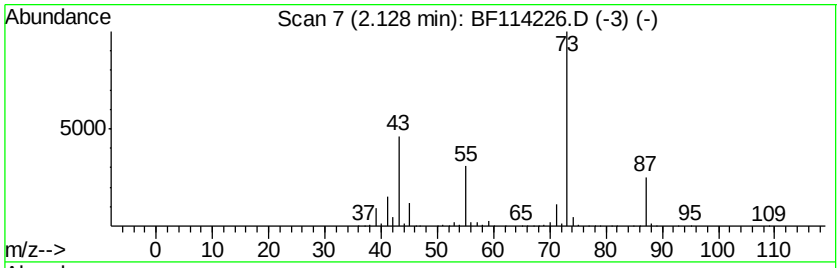
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

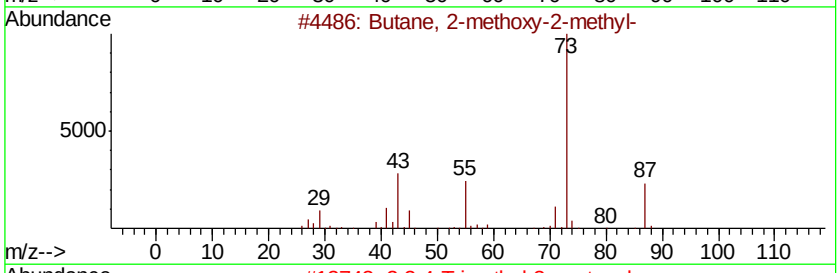
****

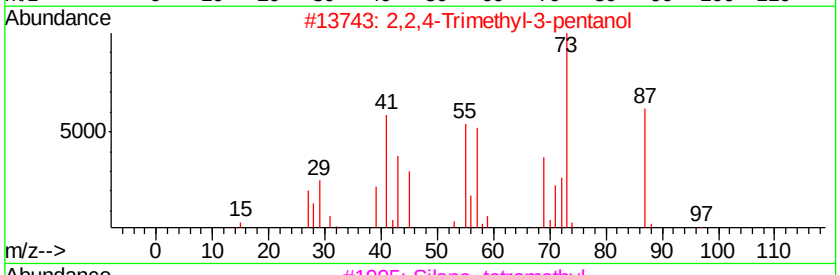
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 14

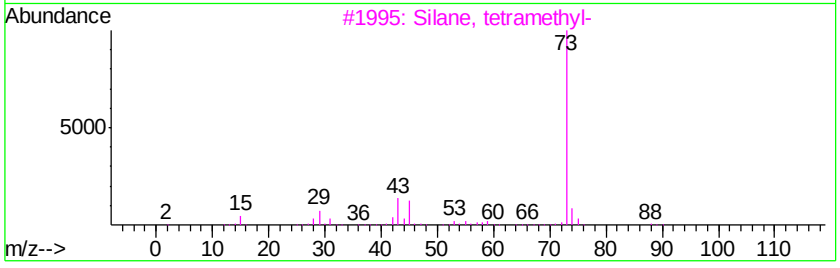
R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	18.37 ng	1652670	1,4-Dichlorobenzene-d4	6.86

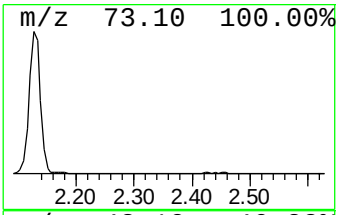
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	23

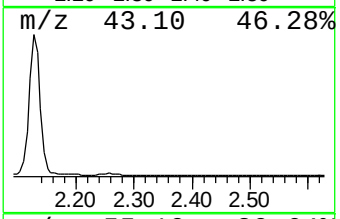


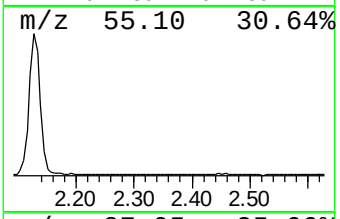


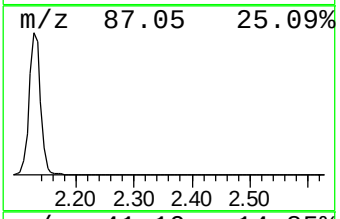


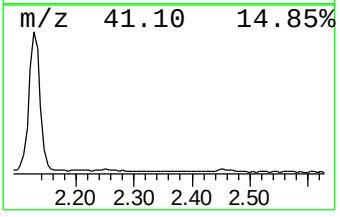












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114226.D
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Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

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

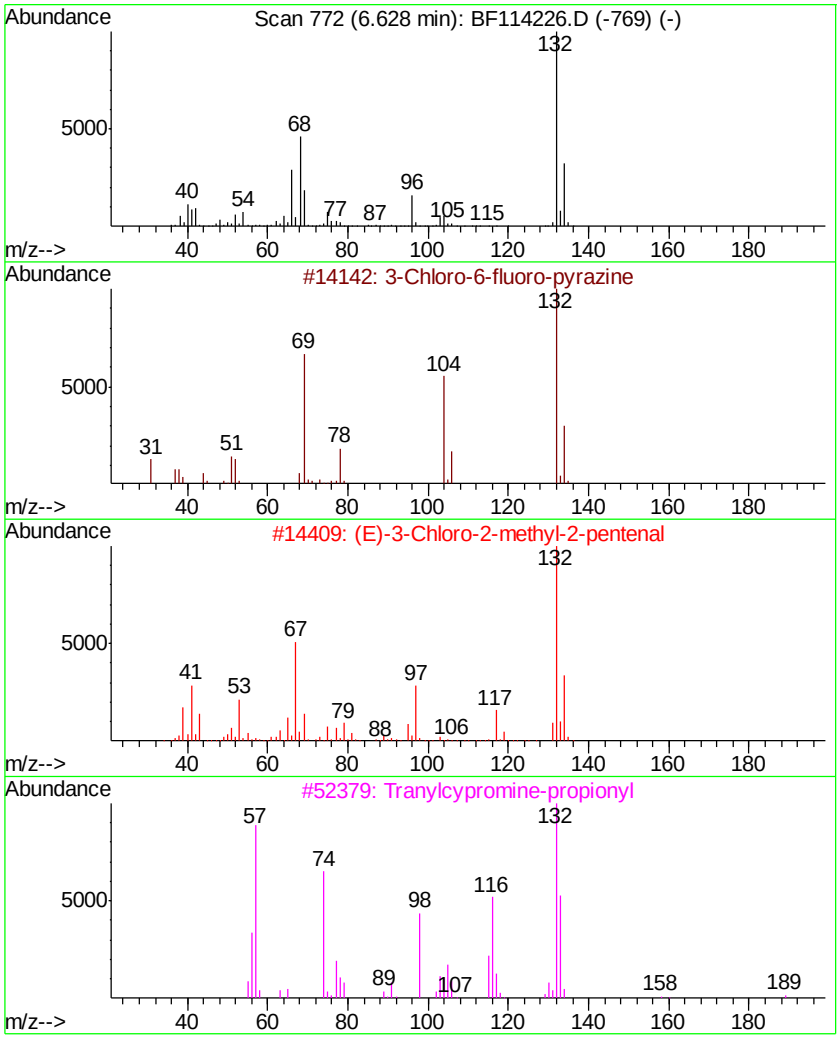
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

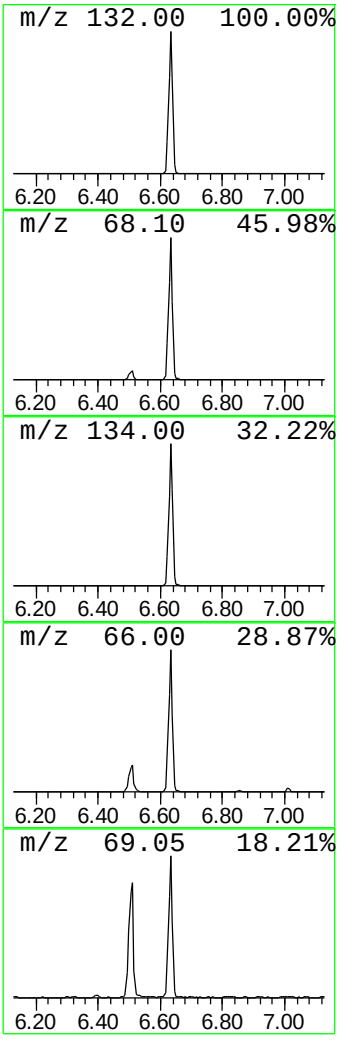
****

Peak Number 2 unknown6.63 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	64.60 ng	5812540	1,4-Dichlorobenzene-d4	6.86

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	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114226.D
Acq On : 13 May 2019 14:05
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

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

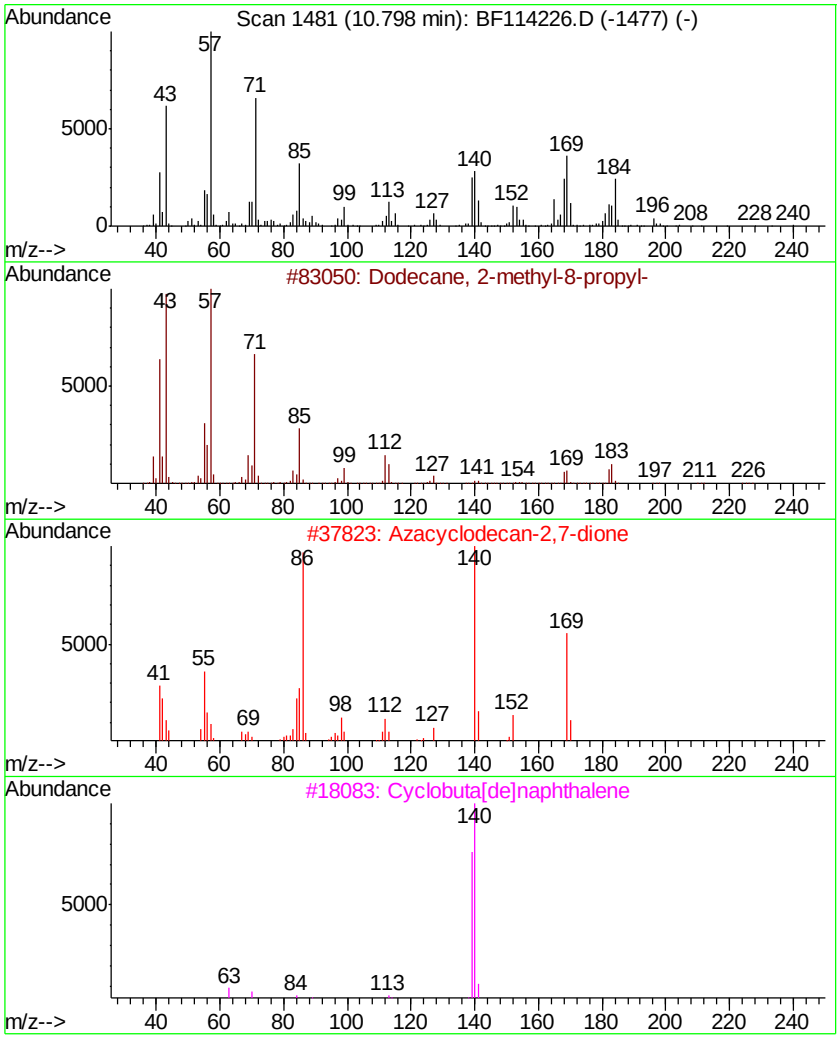
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

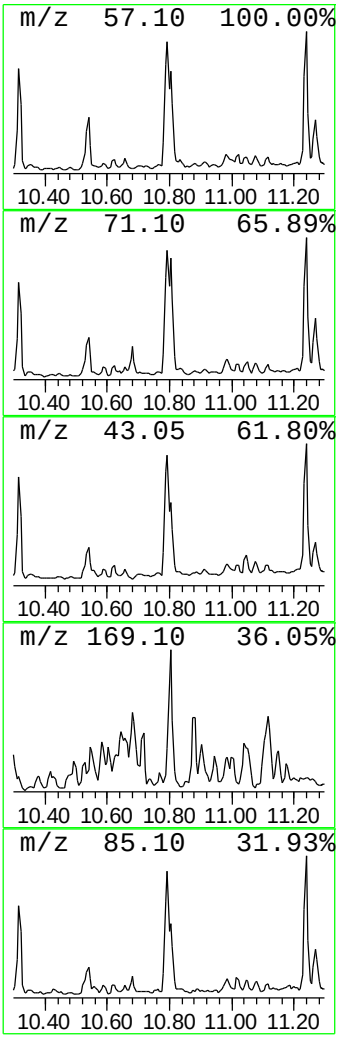
****

Peak Number 4 unknown10.80 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	11.58 ng	1557050	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	22
2	Azacyclodecan-2,7-dione	169	C9H15NO2	099379-80-3	22
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	18
4	Dodecane	170	C12H26	000112-40-3	15
5	Decane, 2-methyl-	156	C11H24	006975-98-0	15





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114226.D
Acq On : 13 May 2019 14:05
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

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

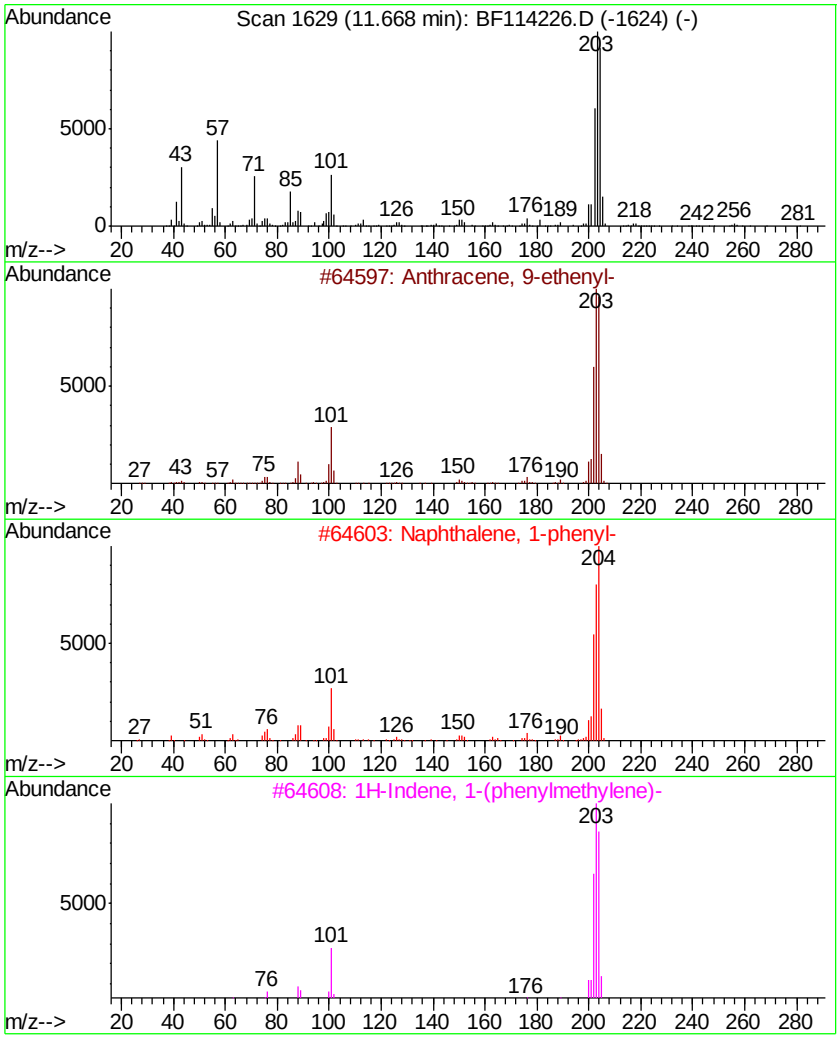
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

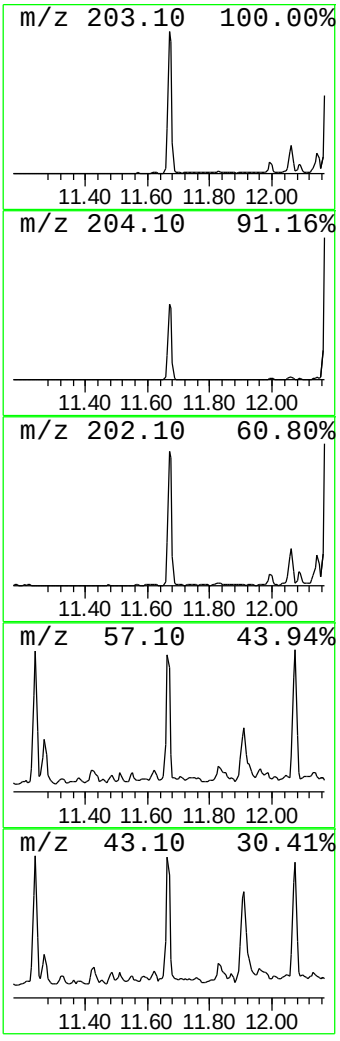
****

Peak Number 5 Anthracene, 9-ethenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	16.49 ng	2215770	Phenanthrene-d10	11.38

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	93
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	86
4	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	86
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	70





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Sample : K2767-12
Misc :
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ClientSampleId : P026-SS012-0002-01

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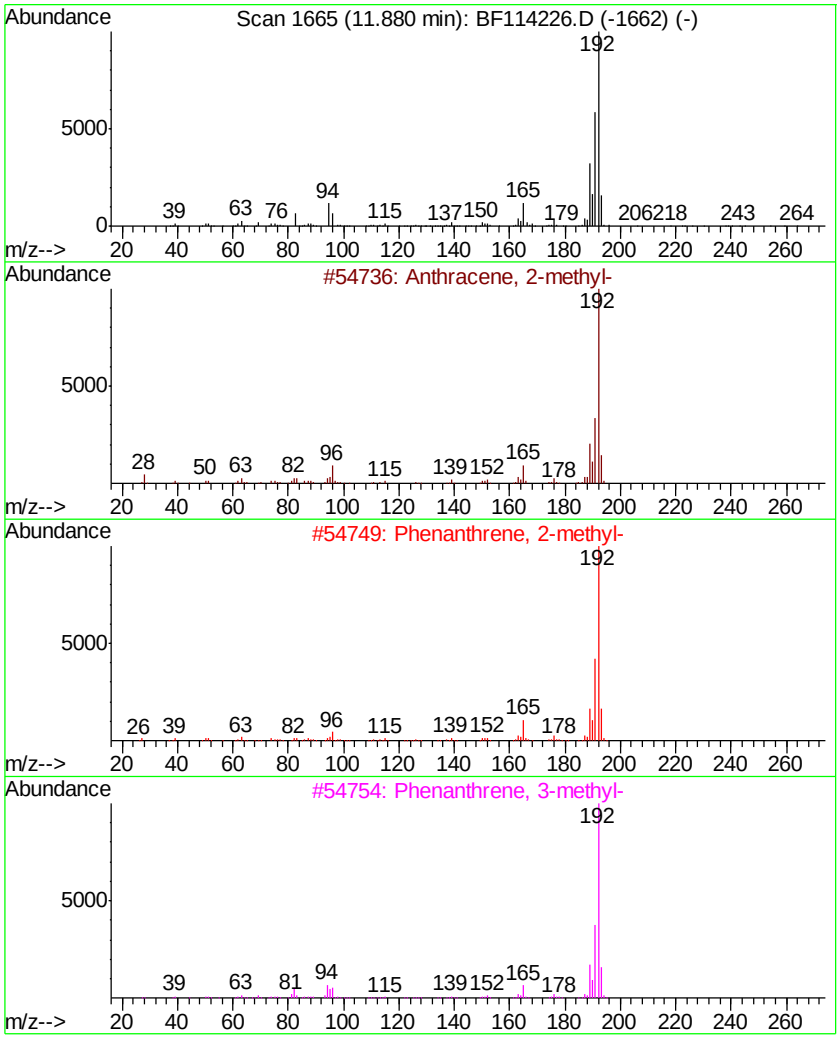
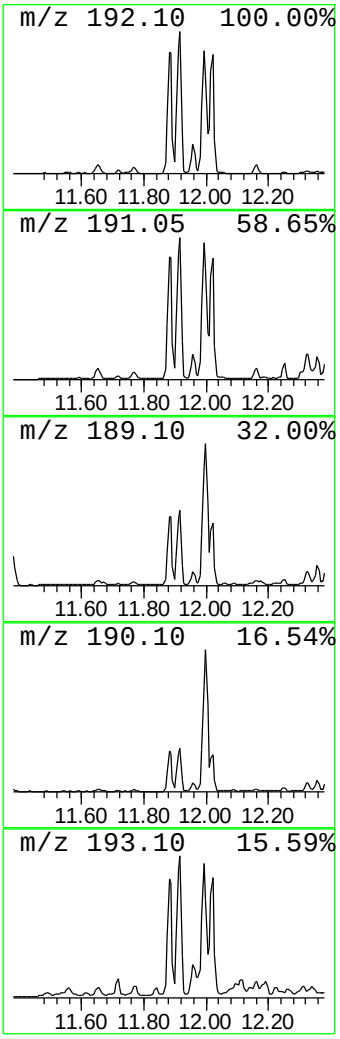
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	27.08 ng	3639400	Phenanthrene-d10	11.38

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	95
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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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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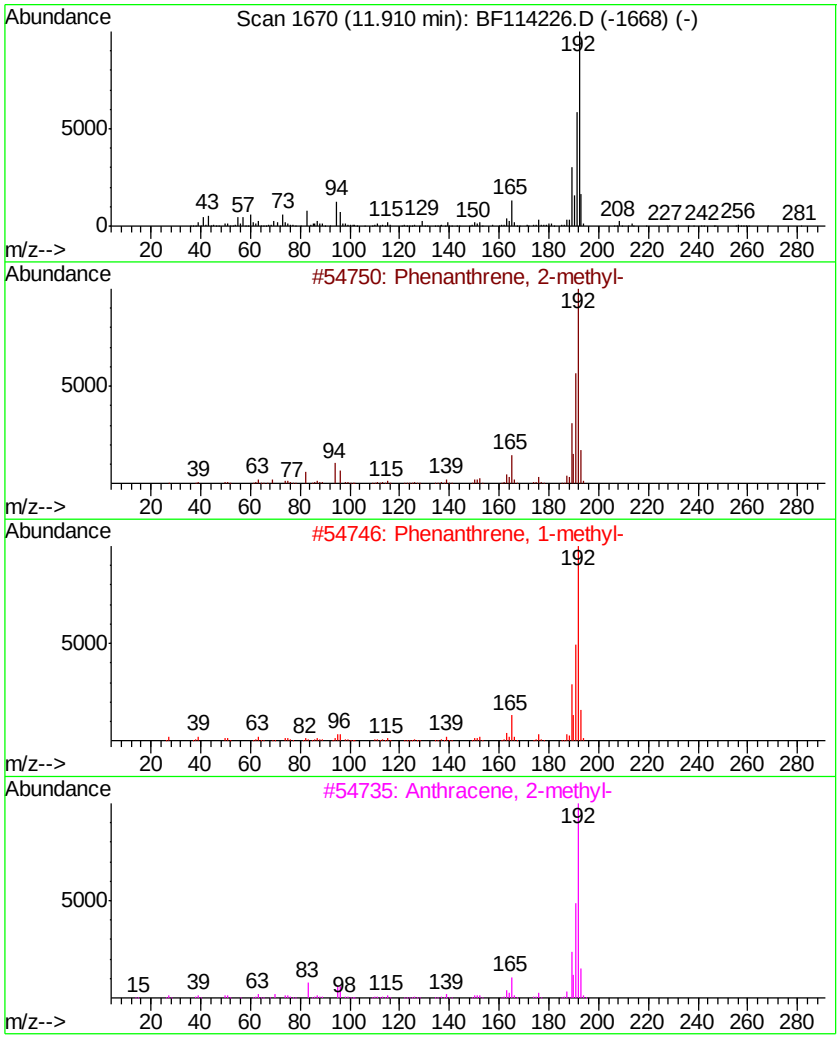
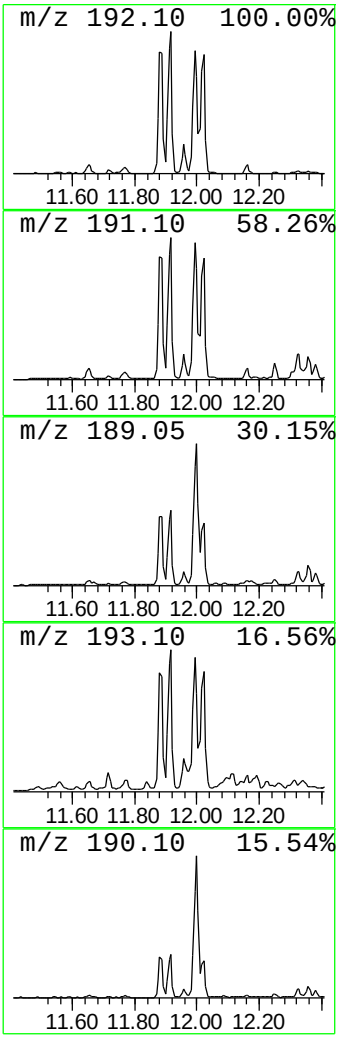
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	31.97 ng	4297190	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96





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TIC Integration Parameters: LSCINT.P

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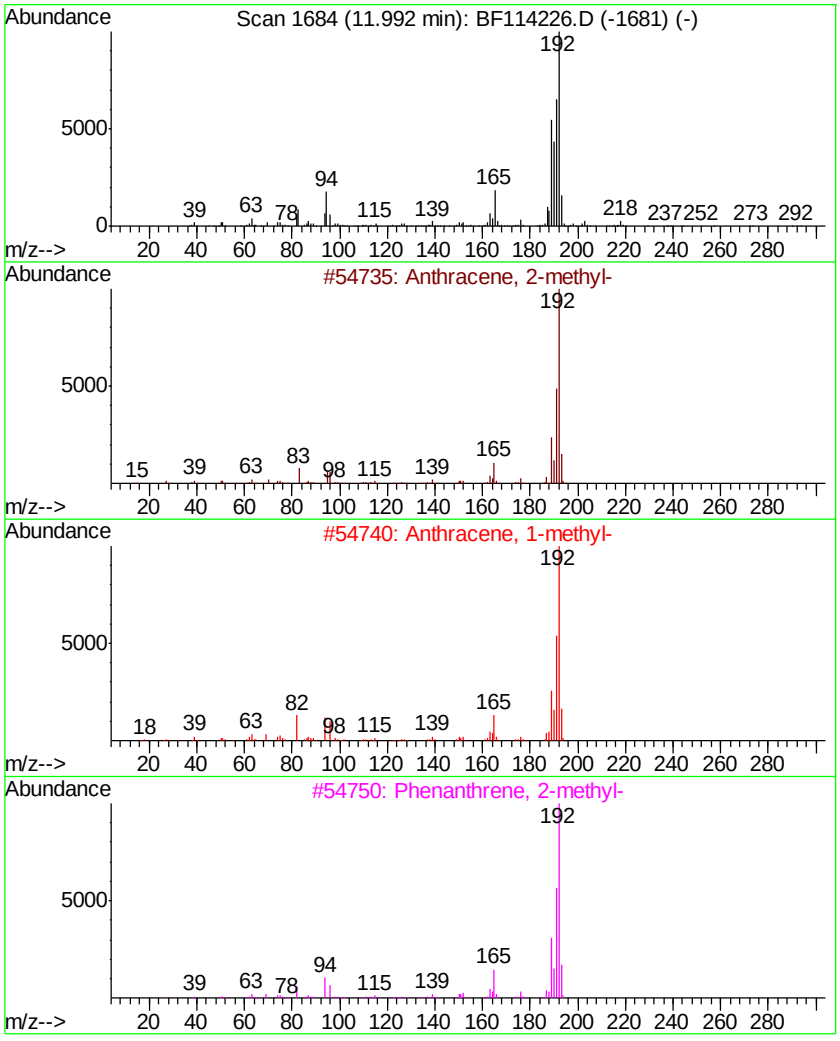
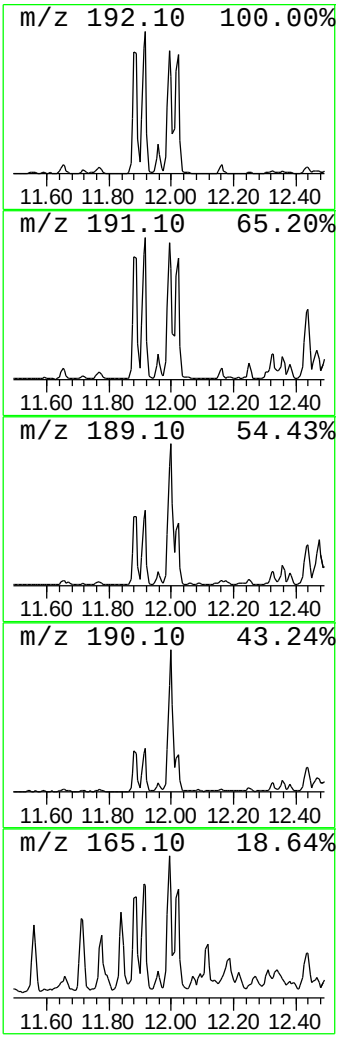
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	39.20 ng	5268860	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60





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ClientSampleId : P026-SS012-0002-01

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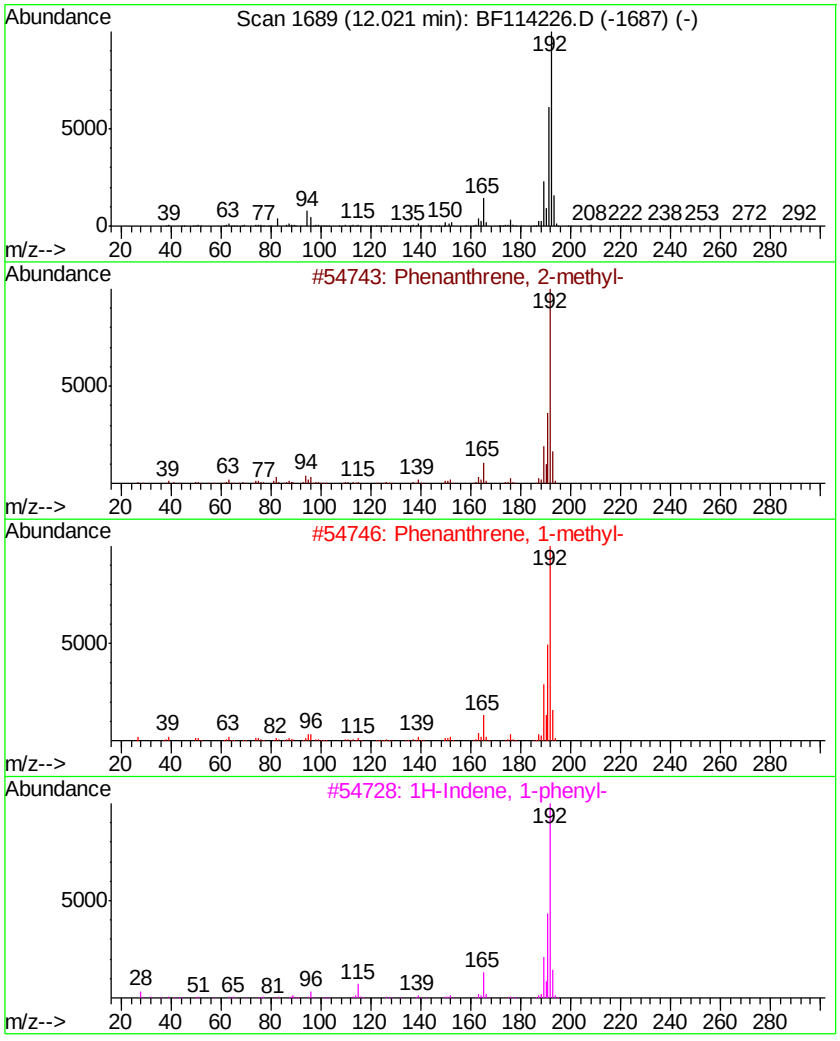
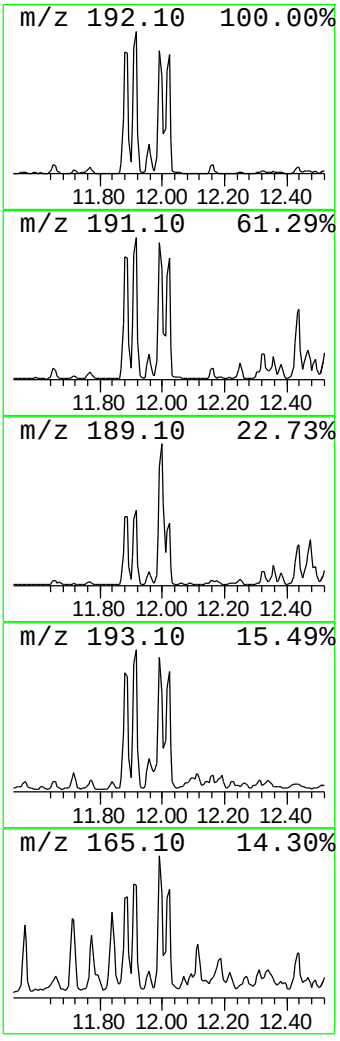
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	18.28 ng	2457470	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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

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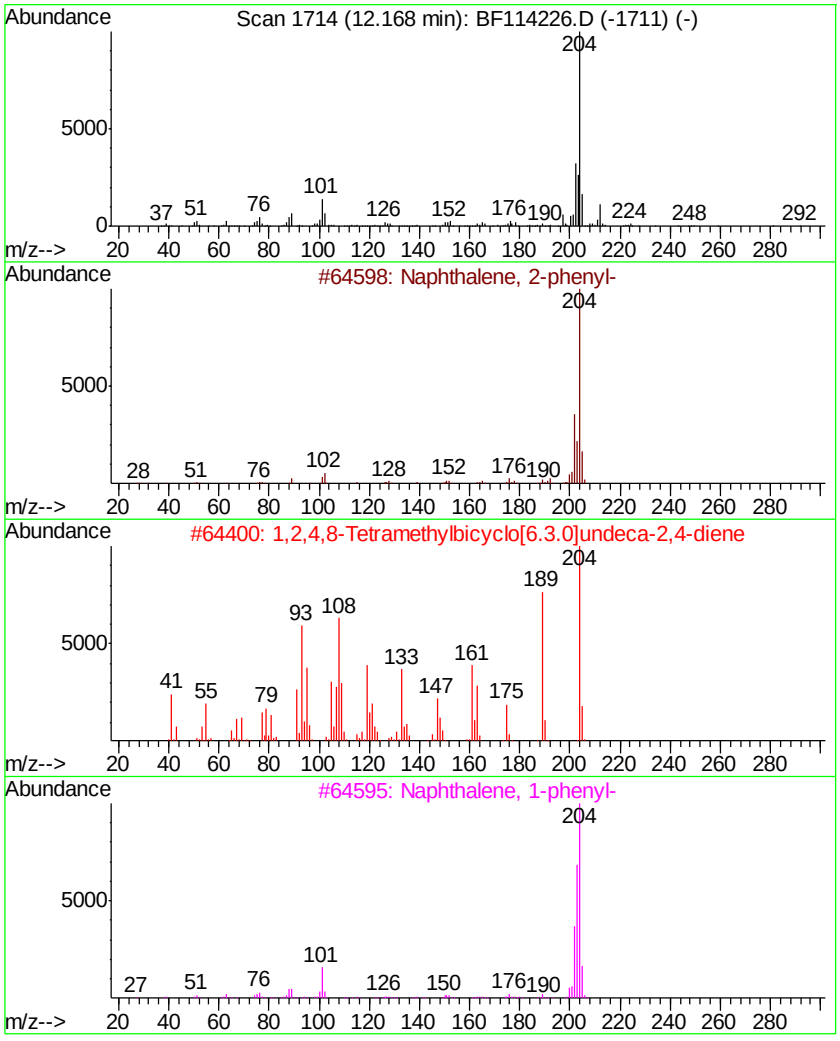
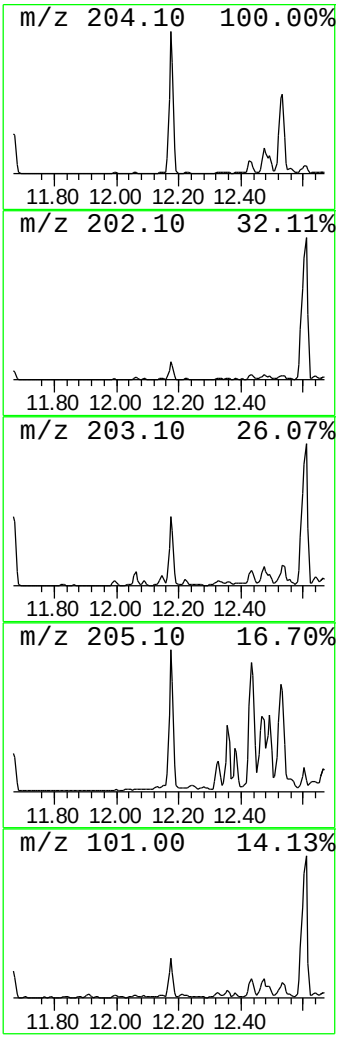
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	24.25 ng	3258850	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50





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

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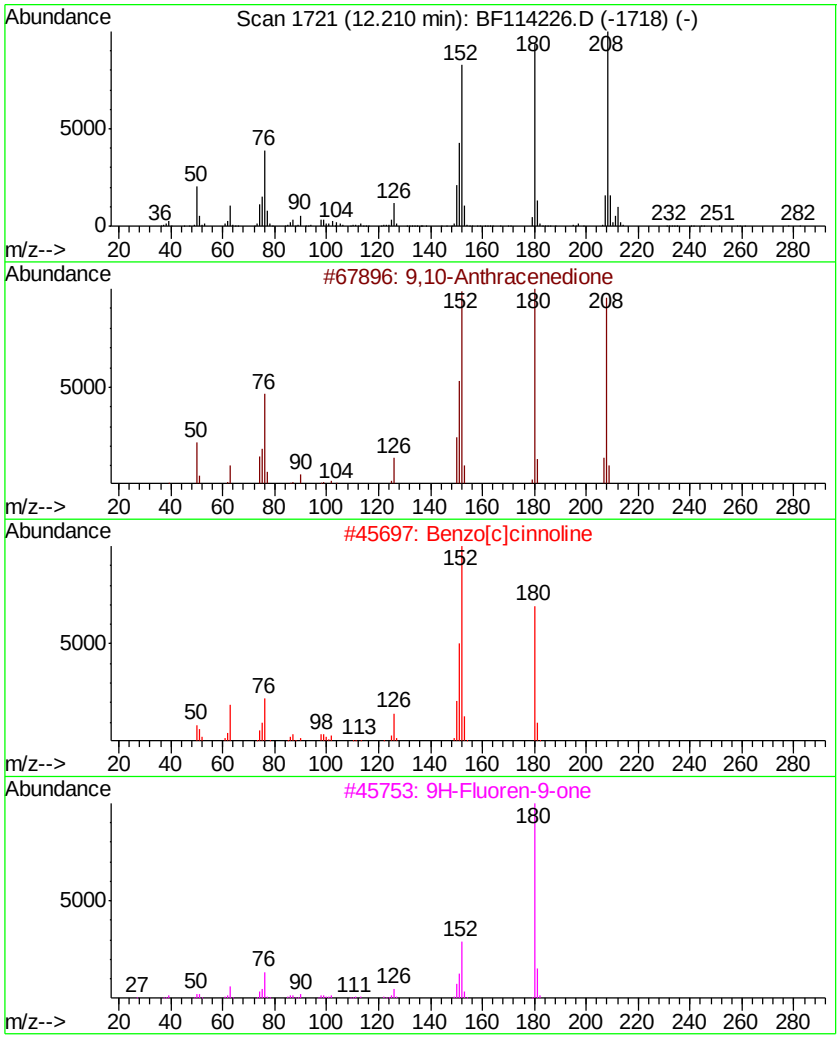
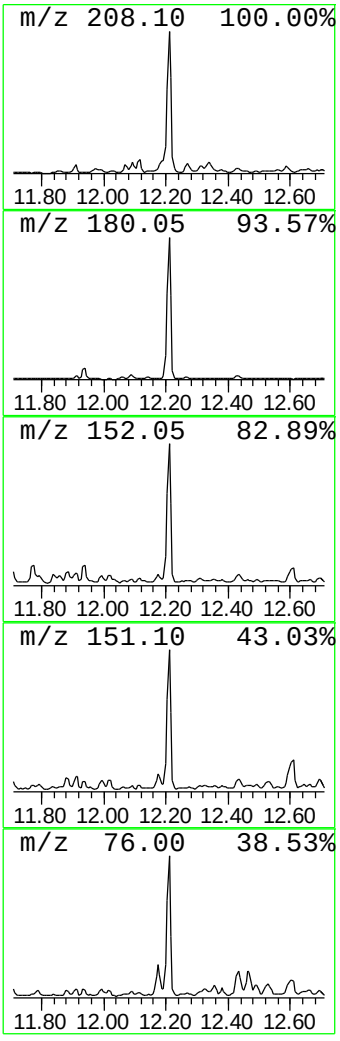
Peak Number 11 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	25.38 ng	3411320	Phenanthrene-d10	11.38

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	91
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	49





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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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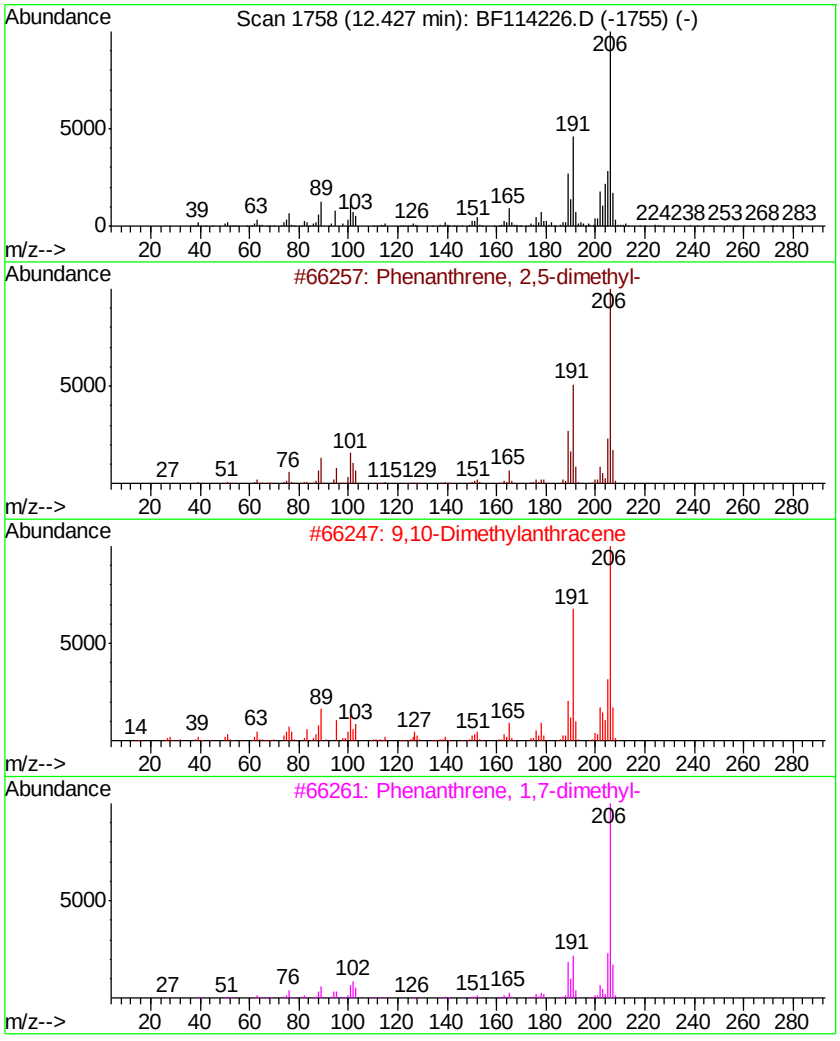
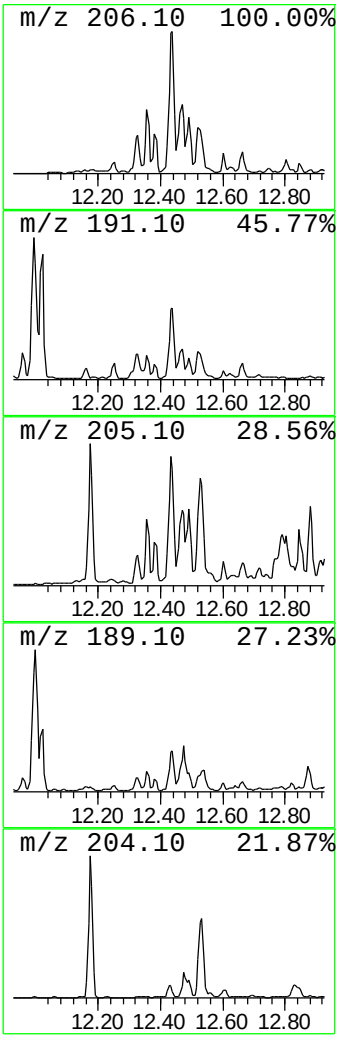
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	25.15 ng	3380400	Phenanthrene-d10	11.38

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	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	92





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

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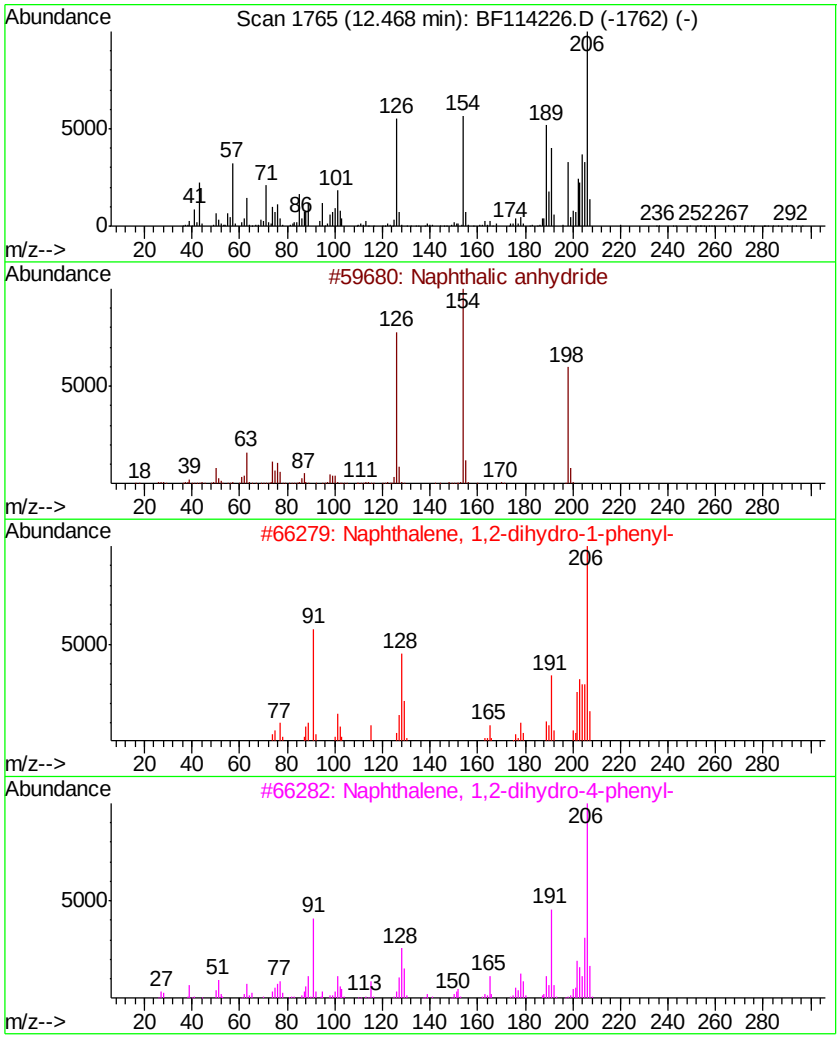
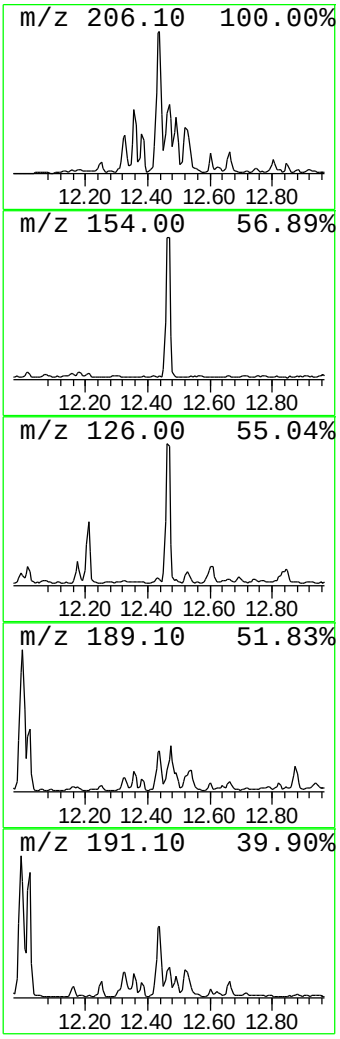
Peak Number 13 Naphthalic anhydride Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	22.94 ng	3083840	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	68
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	46
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38





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

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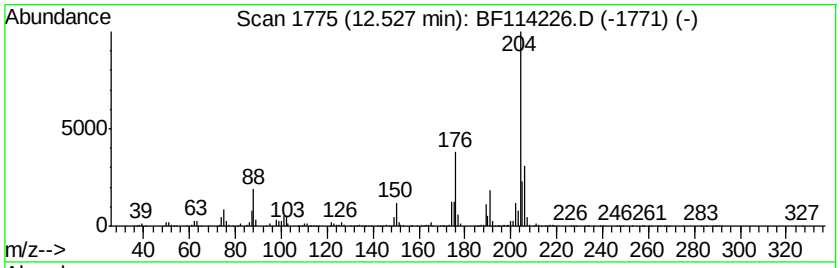
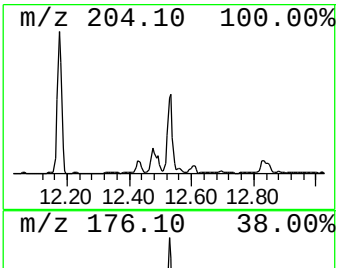
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	24.89 ng	3345610	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49
4	.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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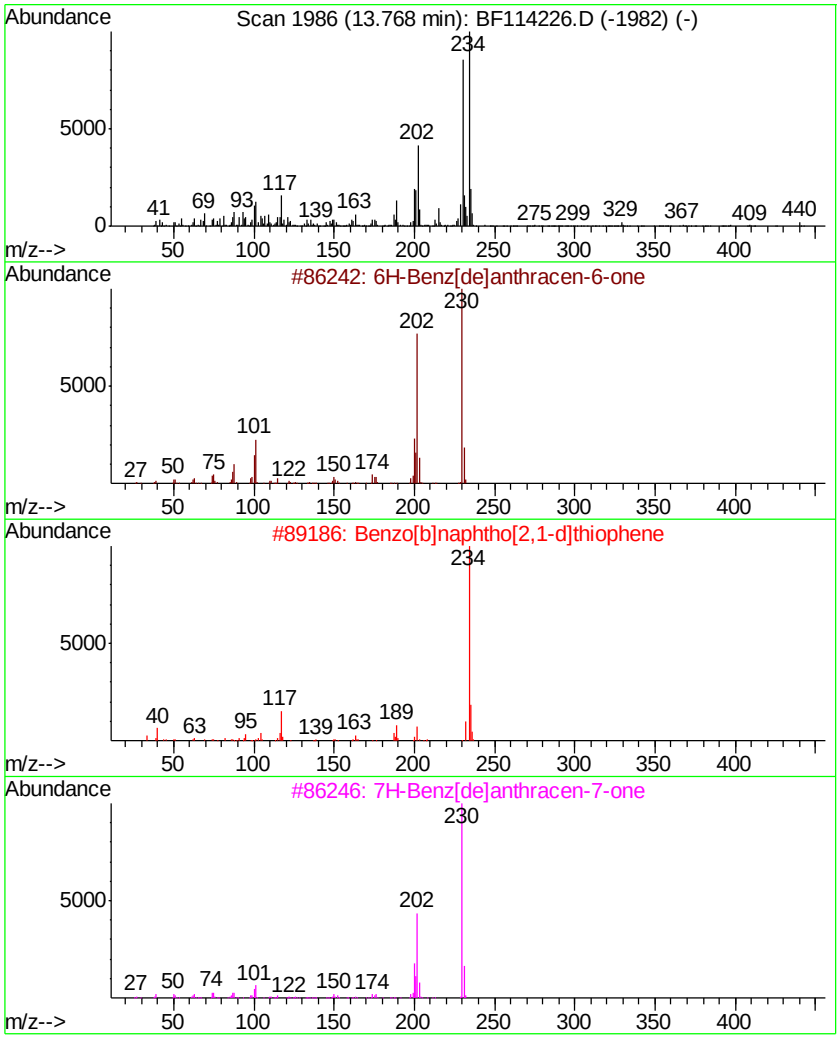
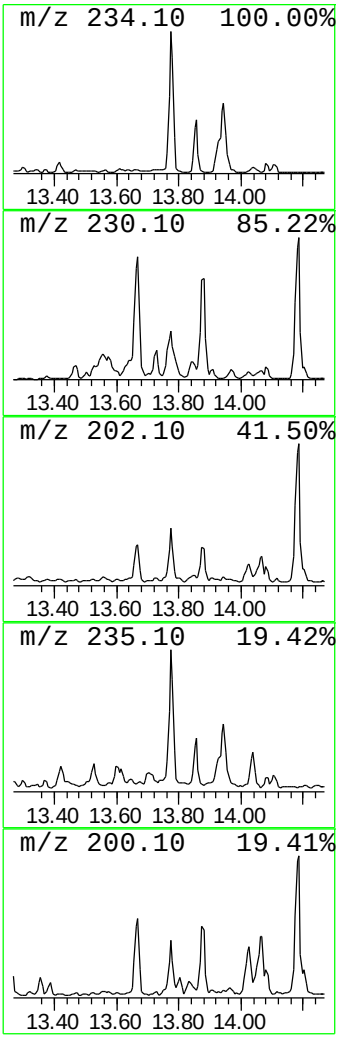
Peak Number 16 6H-Benz[de]anthracen-6-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	11.48 ng	5902680	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	92
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	70
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	60





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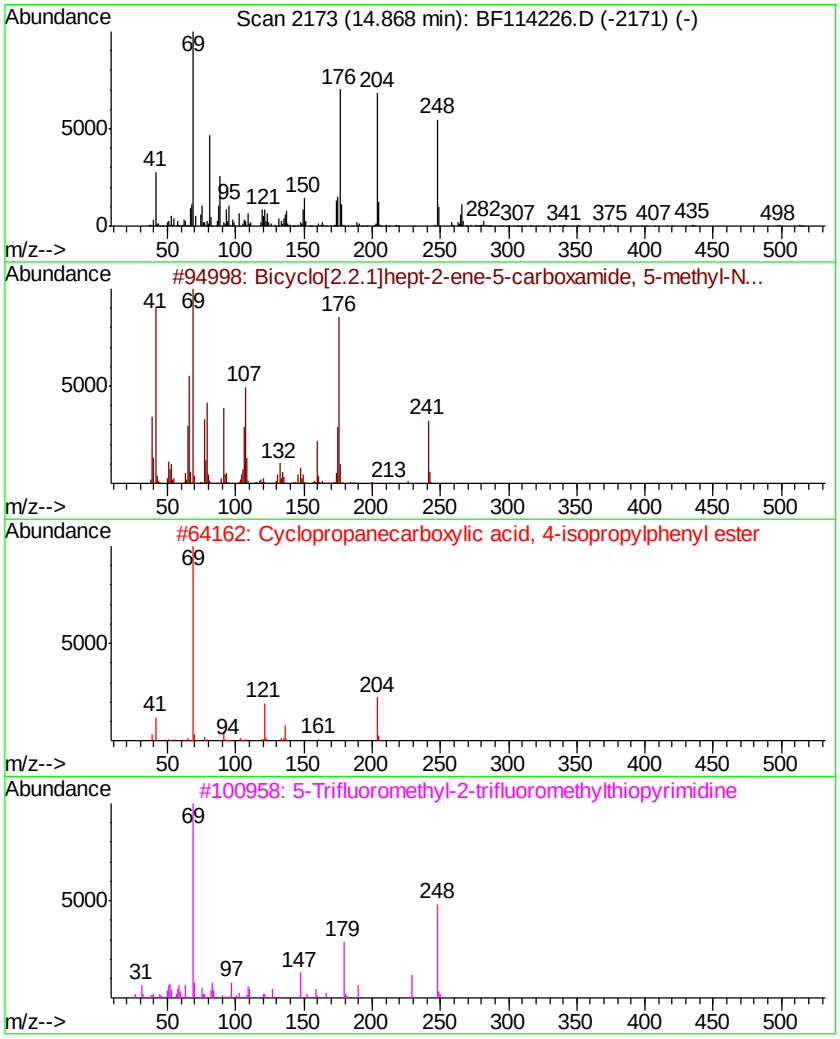
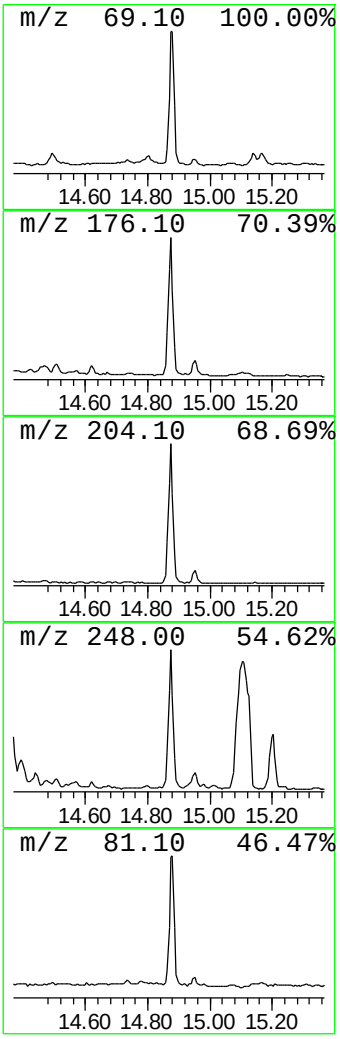
Peak Number 17 unknown14.87 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	16.08 ng	1599550	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]hept-2-ene-5-carbo...	241	C16H19NO	1000260-57-5	35
2	Cyclopropanecarboxylic acid, 4-i...	204	C13H16O2	1000331-01-9	35
3	5-Trifluoromethyl-2-trifluoromet...	248	C6H2F6N2S	1000305-23-5	9
4	2,2,5-Trimethyl-hex-4-enoic acid	156	C9H16O2	002198-82-5	4
5	Cyclopropyl,cyclopropyl-2-(2-fur...	176	C11H12O2	1000222-13-9	4





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114226.D
Acq On : 13 May 2019 14:05
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

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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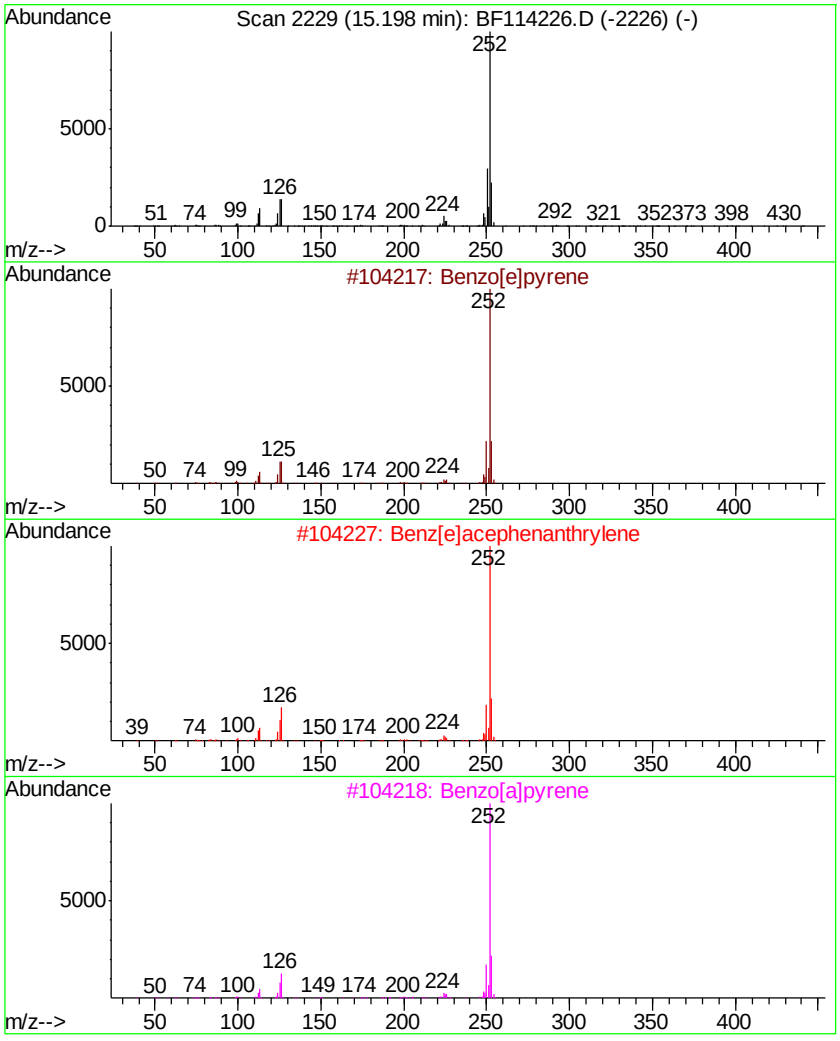
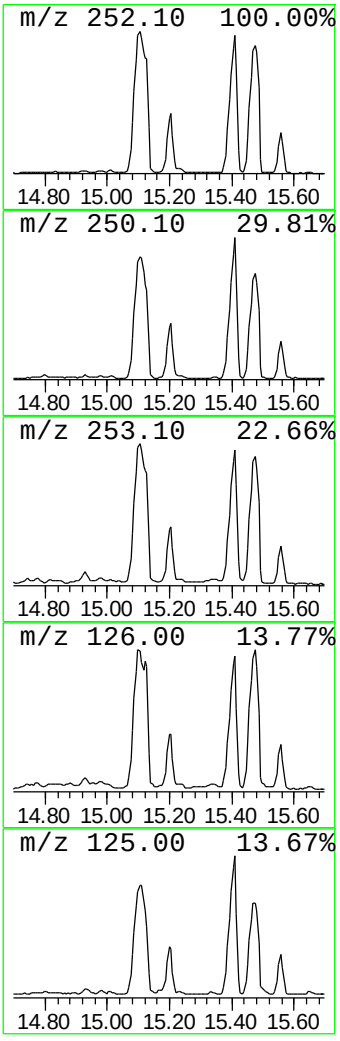
Peak Number 18 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	20.09 ng	1998020	Perylene-d12	15.53

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	98
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	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114226.D
Acq On : 13 May 2019 14:05
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

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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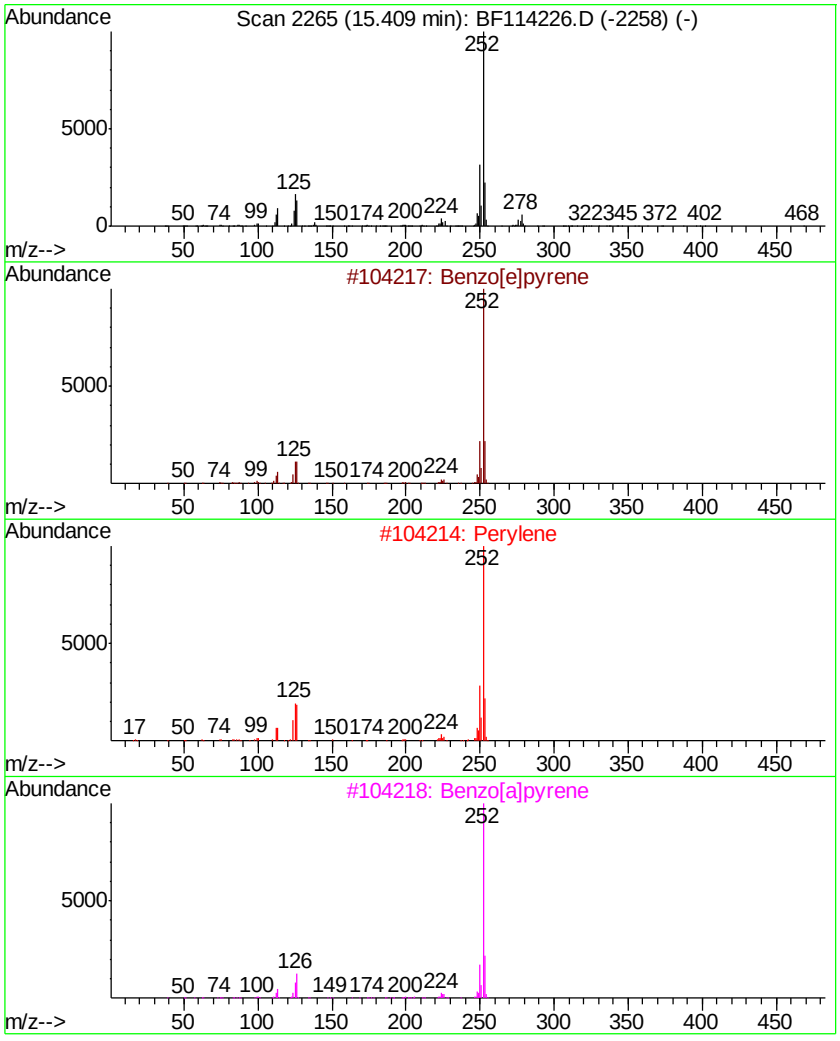
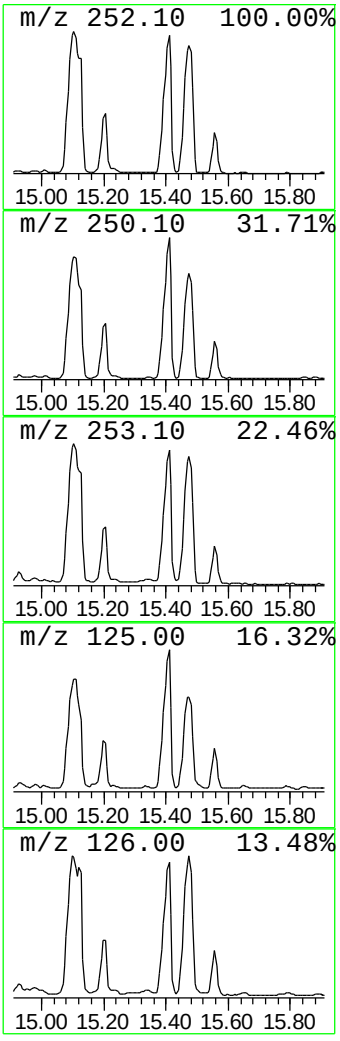
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	74.27 ng	7387200	Perylene-d12	15.53

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	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114226.D
Acq On : 13 May 2019 14:05
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

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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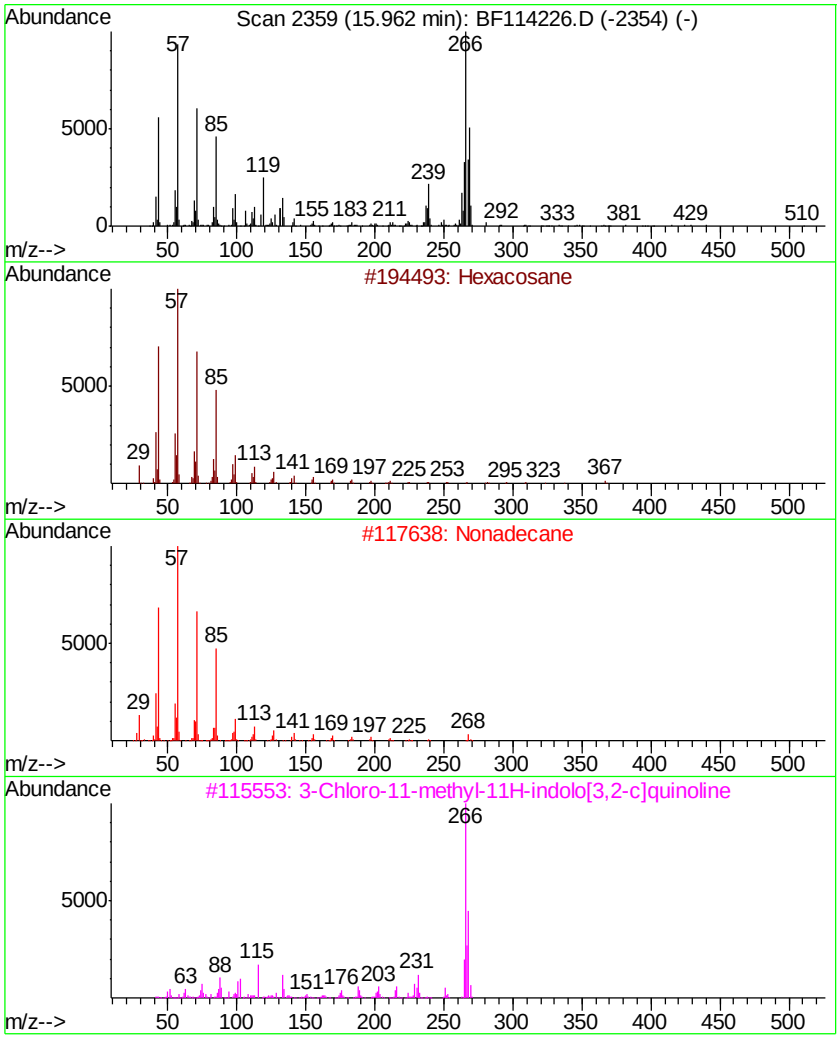
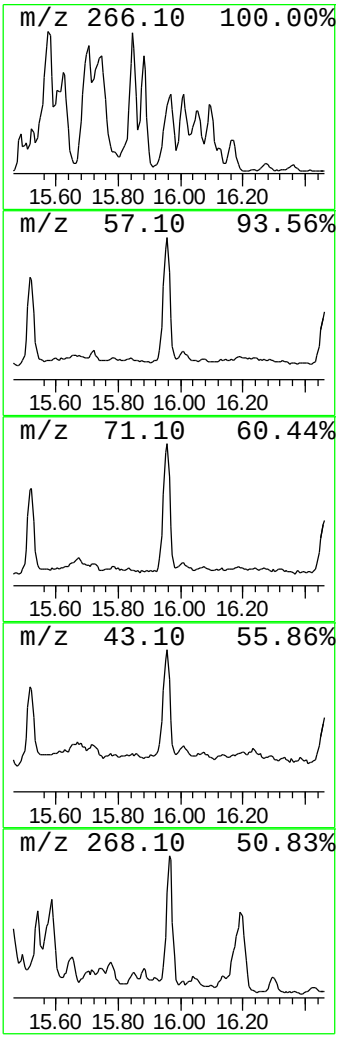
Peak Number 20 unknown15.96 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	15.92 ng	1583940	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	38
2	Nonadecane	268	C19H40	000629-92-5	38
3	3-Chloro-11-methyl-11H-indolo[3,...	266	C16H11ClN2	155249-46-0	30
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	25
5	2-Isoxazoline-3-carboxamide, N,5...	266	C16H14N2O2	1000294-15-0	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051319\
Data File : BF114226.D
Acq On : 13 May 2019 14:05
Operator : JU/SJ
Sample : K2767-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS012-0002-01

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...	2.13	18.4	ng	1652670	1	6.86	1799470	20.0
unknown6.63	6.63	64.6	ng	5812540	1	6.86	1799470	20.0
unknown10.80	10.80	11.6	ng	1557050	4	11.38	2688090	20.0
Anthracene, 9-eth...	11.67	16.5	ng	2215770	4	11.38	2688090	20.0
Anthracene, 2-met...	11.88	27.1	ng	3639400	4	11.38	2688090	20.0
Phenanthrene, 2-m...	11.91	32.0	ng	4297190	4	11.38	2688090	20.0
Anthracene, 1-met...	11.99	39.2	ng	5268860	4	11.38	2688090	20.0
Phenanthrene, 1-m...	12.02	18.3	ng	2457470	4	11.38	2688090	20.0
Naphthalene, 2-ph...	12.17	24.3	ng	3258850	4	11.38	2688090	20.0
9,10-Anthracenedione	12.21	25.4	ng	3411320	4	11.38	2688090	20.0
Phenanthrene, 2,5...	12.43	25.1	ng	3380400	4	11.38	2688090	20.0
Naphthalic anhydride	12.47	22.9	ng	3083840	4	11.38	2688090	20.0
Cyclopenta(def)ph...	12.53	24.9	ng	3345610	4	11.38	2688090	20.0
6H-Benz[de]anthra...	13.77	11.5	ng	5902680	5	14.03	10280100	20.0
unknown14.87	14.87	16.1	ng	1599550	6	15.53	1989410	20.0
Benzo[e]pyrene	15.20	20.1	ng	1998020	6	15.53	1989410	20.0
Perylene	15.41	74.3	ng	7387200	6	15.53	1989410	20.0
unknown15.96	15.96	15.9	ng	1583940	6	15.53	1989410	20.0