LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114199.D
Acq On : 12 May 2019 18:14
Operator : JU/SJ
Sample : K2767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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	2.116	3	5	20	rVB	1119453	1406095	21.60%	1.121%
2	5.487	574	578	588	rBV	5237924	4943312	75.92%	3.942%
3	6.498	745	750	753	rBV	5538541	5244199	80.54%	4.182%
4	6.628	768	772	775	rBV	5799978	5189908	79.71%	4.139%
5	6.851	807	810	817	rVB	2210260	1854992	28.49%	1.479%
6	7.010	833	837	840	rBV	4763607	3995351	61.36%	3.186%
7	7.416	901	906	909	rBV	3460934	3394597	52.14%	2.707%
8	8.133	1024	1028	1030	rBV	2822652	2288467	35.15%	1.825%
9	8.151	1030	1031	1036	rVB	407114	327484	5.03%	0.261%
10	8.586	1102	1105	1116	rBV	1483927	1910389	29.34%	1.523%
11	8.780	1132	1138	1144	rVB	106937	174750	2.68%	0.139%
12	8.845	1146	1149	1156	rVB	293854	234295	3.60%	0.187%
13	8.945	1163	1166	1170	rVB	179926	150158	2.31%	0.120%
14	9.204	1206	1210	1214	rBV	5541241	5107185	78.44%	4.073%
15	9.545	1265	1268	1270	rBV	152863	142823	2.19%	0.114%
16	9.598	1274	1277	1286	rVV	1218788	1140538	17.52%	0.910%
17	9.745	1299	1302	1306	rBV	936880	802271	12.32%	0.640%
18	9.886	1319	1326	1330	rBV2	2910468	2574883	39.55%	2.053%
19	10.445	1416	1421	1426	rVB3	127043	203782	3.13%	0.163%
20	10.539	1432	1437	1442	rBV3	116396	165464	2.54%	0.132%
21	10.674	1455	1460	1471	rBV	3571574	3344401	51.37%	2.667%
22	10.798	1477	1481	1484	rBV2	250570	307039	4.72%	0.245%
23	10.980	1508	1512	1515	rBV4	114235	176653	2.71%	0.141%
24	11.180	1543	1546	1549	rVB	233716	213707	3.28%	0.170%
25	11.269	1558	1561	1566	rVB	298616	280515	4.31%	0.224%
26	11.374	1575	1579	1581	rBV	2627396	2591142	39.80%	2.066%
27	11.398	1581	1583	1589	rVV	3219473	2535535	38.94%	2.022%
28	11.445	1589	1591	1594	rVB	523686	407866	6.26%	0.325%
29	11.480	1594	1597	1600	rBV2	161090	177040	2.72%	0.141%
30	11.663	1623	1628	1631	rVB2	486649	500699	7.69%	0.399%
31	11.704	1632	1635	1638	rVB	363466	308165	4.73%	0.246%
32	11.786	1647	1649	1653	rVB	169554	164173	2.52%	0.131%
33	11.827	1653	1656	1659	rBV2	190421	205626	3.16%	0.164%
34	11.874	1660	1664	1666	rBV	1134559	1008147	15.48%	0.804%

LSC Area Percent Report

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Acq On : 12 May 2019 18:14
Operator : JU/SJ
Sample : K2767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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	11.898	1666	1668	1672	rVV2	1856196	1802555	27.68%	1.437%
36	11.951	1674	1677	1679	rVB	180589	150909	2.32%	0.120%
37	11.986	1679	1683	1685	rBV2	1408401	1531486	23.52%	1.221%
38	12.010	1685	1687	1691	rVB	975885	766644	11.77%	0.611%
39	12.068	1692	1697	1701	rBV4	158132	288635	4.43%	0.230%
40	12.104	1701	1703	1706	rVB2	197469	179772	2.76%	0.143%
41	12.168	1706	1714	1716	rBV	1019407	1015363	15.59%	0.810%
42	12.198	1716	1719	1724	rVB2	1008639	1011945	15.54%	0.807%
43	12.298	1734	1736	1738	rBV	170133	192665	2.96%	0.154%
44	12.316	1738	1739	1743	rVV2	284535	277764	4.27%	0.221%
45	12.351	1743	1745	1747	rVV	350823	273738	4.20%	0.218%
46	12.374	1747	1749	1751	rVB2	228639	185609	2.85%	0.148%
47	12.427	1751	1758	1760	rBV	951603	1212086	18.62%	0.967%
48	12.457	1760	1763	1766	rVV2	522987	702071	10.78%	0.560%
49	12.480	1766	1767	1769	rVB	303729	178340	2.74%	0.142%
50	12.510	1769	1772	1777	rBV	790469	889687	13.66%	0.709%
51	12.586	1780	1785	1789	rBV	4018376	3941345	60.53%	3.143%
52	12.627	1790	1792	1794	rBV	263744	236988	3.64%	0.189%
53	12.651	1794	1796	1798	rVB3	178409	131191	2.01%	0.105%
54	12.680	1798	1801	1804	rVB	996335	801012	12.30%	0.639%
55	12.716	1804	1807	1809	rBV2	329432	317798	4.88%	0.253%
56	12.757	1812	1814	1819	rVB	301125	319284	4.90%	0.255%
57	12.821	1819	1825	1830	rBV	6062310	6511049	100.00%	5.192%
58	12.874	1830	1834	1837	rVB2	332134	406897	6.25%	0.324%
59	12.957	1844	1848	1850	rBV	3690189	3369456	51.75%	2.687%
60	13.033	1857	1861	1868	rBV2	806013	1230439	18.90%	0.981%
61	13.086	1868	1870	1873	rBV3	207527	205796	3.16%	0.164%
62	13.121	1873	1876	1878	rBV3	725864	951902	14.62%	0.759%
63	13.186	1884	1887	1889	rBV2	182724	155965	2.40%	0.124%
64	13.210	1889	1891	1895	rVV	343203	303647	4.66%	0.242%
65	13.251	1895	1898	1901	rVV	1124494	1013919	15.57%	0.809%
66	13.310	1905	1908	1910	rBV2	150764	158130	2.43%	0.126%
67	13.339	1910	1913	1916	rVV	1009400	964865	14.82%	0.769%
68	13.368	1916	1918	1922	rVB	830615	788926	12.12%	0.629%
69	13.463	1931	1934	1936	rVB2	182150	177731	2.73%	0.142%
70	13.651	1963	1966	1971	rVB	767963	823111	12.64%	0.656%
71	13.762	1981	1985	1987	rVV2	726875	841407	12.92%	0.671%

LSC Area Percent Report

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Acq On : 12 May 2019 18:14
Operator : JU/SJ
Sample : K2767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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	13.792	1987	1990	1992	rVV	786768	735707	11.30%	0.587%
73	13.815	1992	1994	1996	rVV	699448	574687	8.83%	0.458%
74	13.845	1996	1999	2006	rVB2	1110404	1654056	25.40%	1.319%
75	14.010	2022	2027	2030	rBV2	3219431	4934655	75.79%	3.935%
76	14.039	2030	2032	2040	rVB	2959155	3270141	50.22%	2.608%
77	14.104	2040	2043	2046	rBV3	205548	255242	3.92%	0.204%
78	14.139	2046	2049	2050	rBV2	187969	171353	2.63%	0.137%
79	14.162	2050	2053	2064	rVB	1119332	1512455	23.23%	1.206%
80	14.268	2069	2071	2074	rBV3	241421	237850	3.65%	0.190%
81	14.362	2085	2087	2089	rBV2	277533	256200	3.93%	0.204%
82	14.404	2089	2094	2096	rVV2	973085	1219597	18.73%	0.973%
83	14.433	2096	2099	2103	rVV2	653814	907894	13.94%	0.724%
84	14.480	2103	2107	2112	rVV3	911522	1402156	21.54%	1.118%
85	14.527	2112	2115	2117	rVV2	667696	720526	11.07%	0.575%
86	14.545	2117	2118	2122	rVV	524958	497875	7.65%	0.397%
87	14.598	2124	2127	2130	rVB	471188	435717	6.69%	0.347%
88	14.786	2156	2159	2162	rBV3	157680	171432	2.63%	0.137%
89	14.827	2163	2166	2169	rVB	367063	352267	5.41%	0.281%
90	14.857	2169	2171	2174	rBV2	180669	177100	2.72%	0.141%
91	15.062	2201	2206	2213	rBV	2600816	5132045	78.82%	4.092%
92	15.115	2213	2215	2218	rVV2	340731	358479	5.51%	0.286%
93	15.168	2221	2224	2227	rVB	508661	566770	8.70%	0.452%
94	15.362	2252	2257	2263	rVB	2061458	2824826	43.39%	2.253%
95	15.427	2263	2268	2272	rBV	2266210	2828520	43.44%	2.256%
96	15.492	2272	2279	2282	rBV	1485776	2197298	33.75%	1.752%
97	15.927	2349	2353	2357	rBV2	269452	397867	6.11%	0.317%
98	16.051	2371	2374	2379	rVB2	230559	289648	4.45%	0.231%
99	16.962	2522	2529	2535	rVB	921151	1807708	27.76%	1.442%
100	17.409	2599	2605	2615	rVB	869446	1730854	26.58%	1.380%

Sum of corrected areas: 125402703

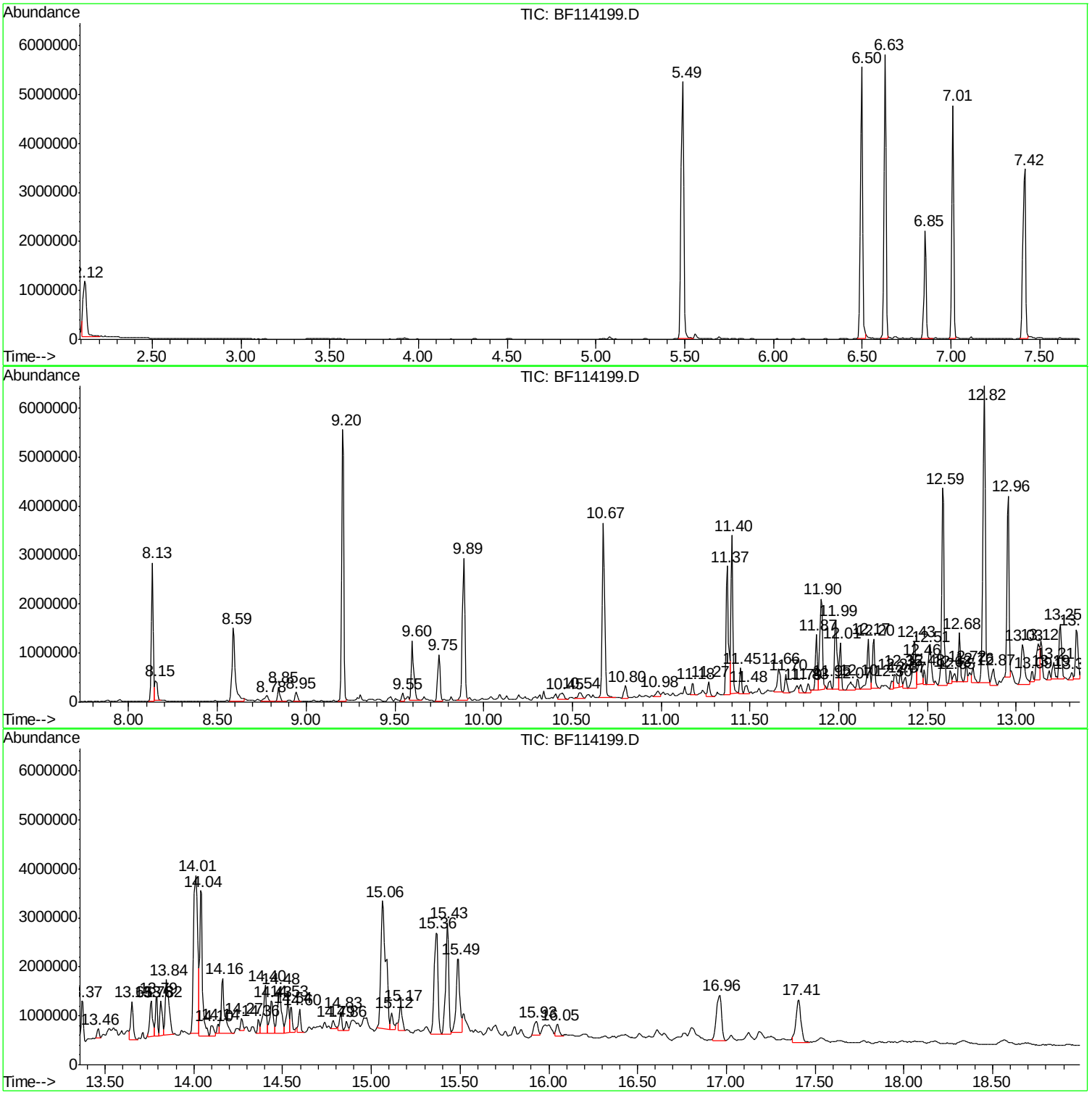
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114199.D
Acq On : 12 May 2019 18:14
Operator : JU/SJ
Sample : K2767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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\
Data File : BF114199.D
Acq On : 12 May 2019 18:14
Operator : JU/SJ
Sample : K2767-03
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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

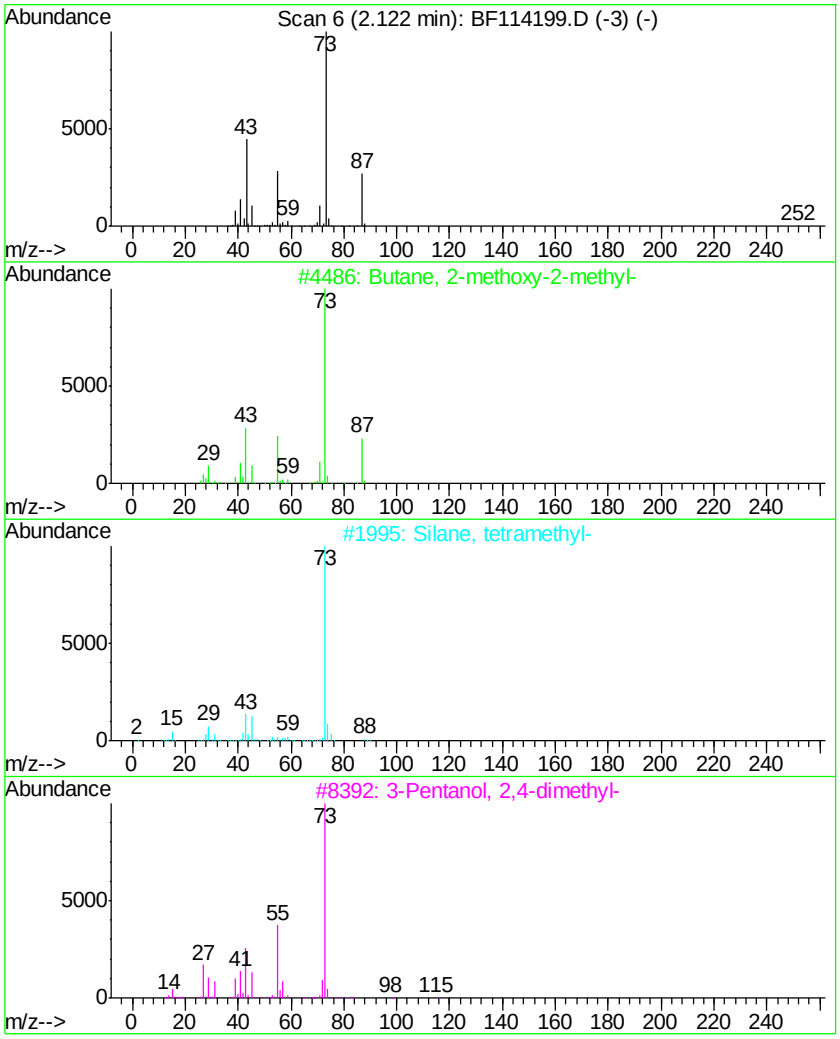
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

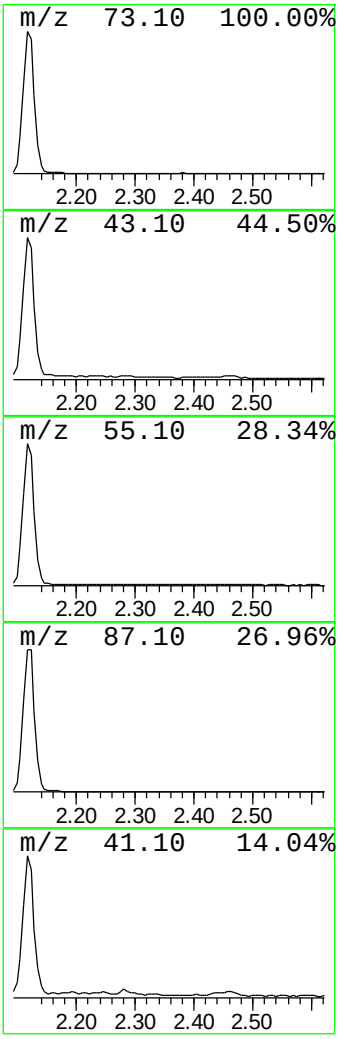
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	15.16 ng	1406100	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





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Operator : JU/SJ
Sample : K2767-03
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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

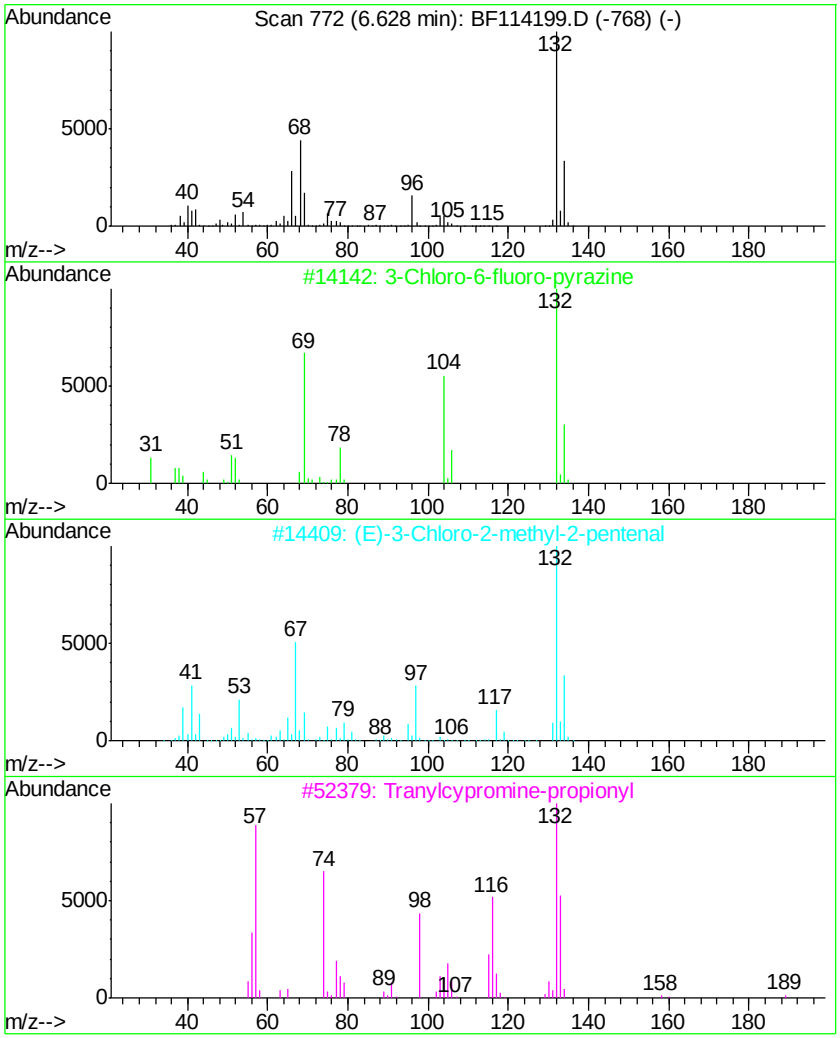
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

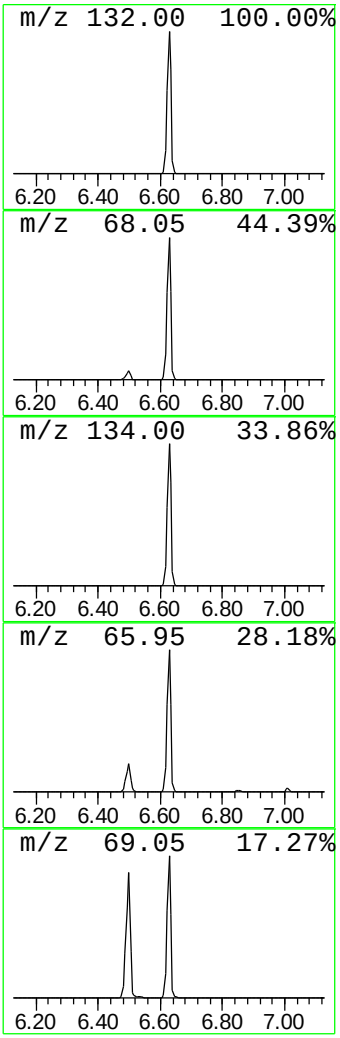
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	55.96 ng	5189910	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	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	5-Aminoindole	132	C8H8N2	005192-03-0	9
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Library Search Compound Report

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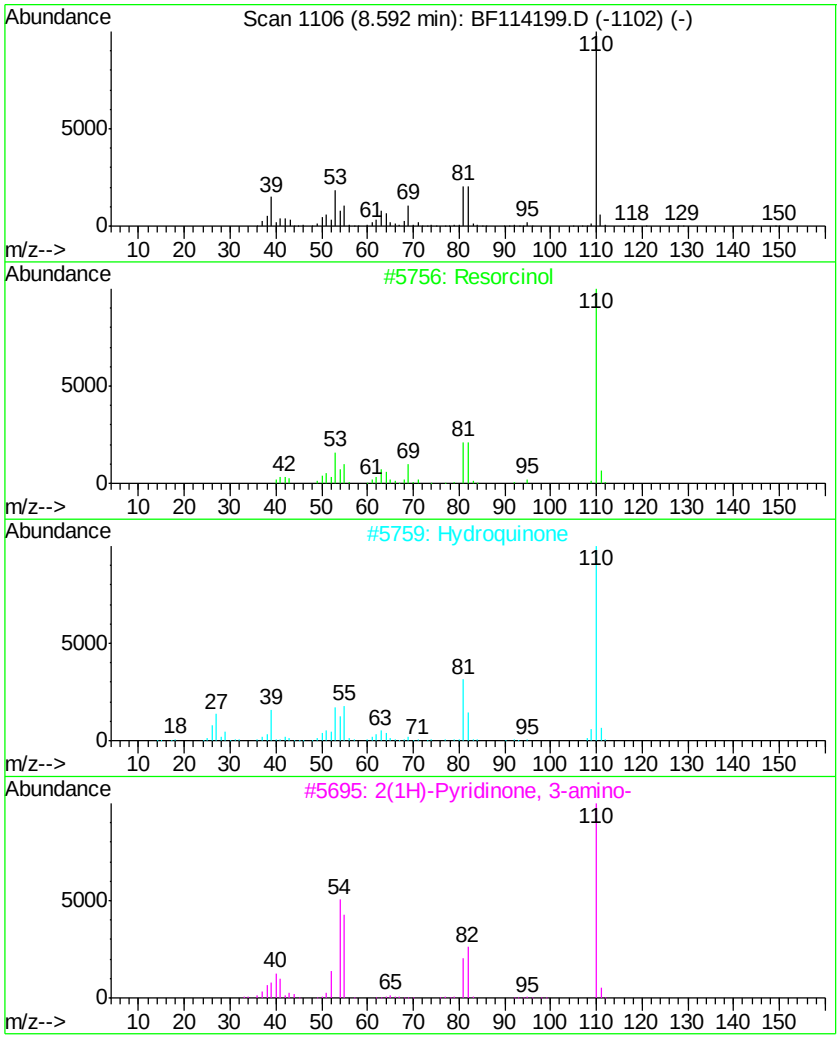
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

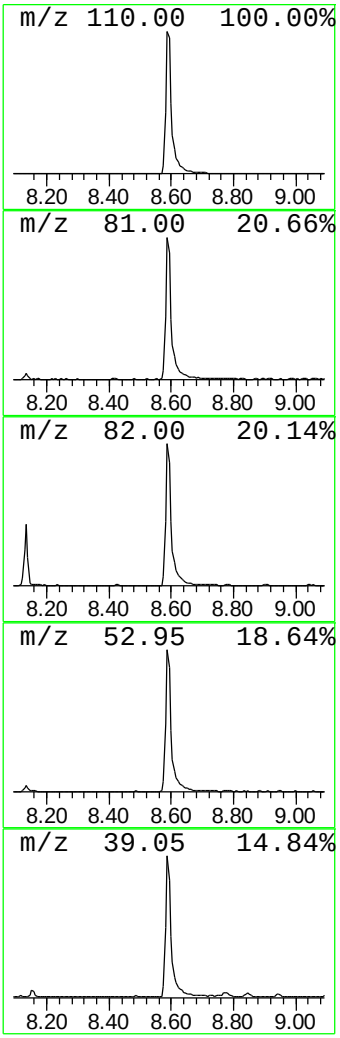
****

Peak Number 4 Resorcinol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	16.70 ng	1910390	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	2(1H)-Pyridinone, 3-amino-	110	C5H6N2O	033630-99-8	58
4	2-Furancarboxaldehyde, 5-methyl-	110	C6H6O2	000620-02-0	53
5	1H-Imidazole-2-carboxaldehyde, 1...	110	C5H6N2O	013750-81-7	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114199.D
Acq On : 12 May 2019 18:14
Operator : JU/SJ
Sample : K2767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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

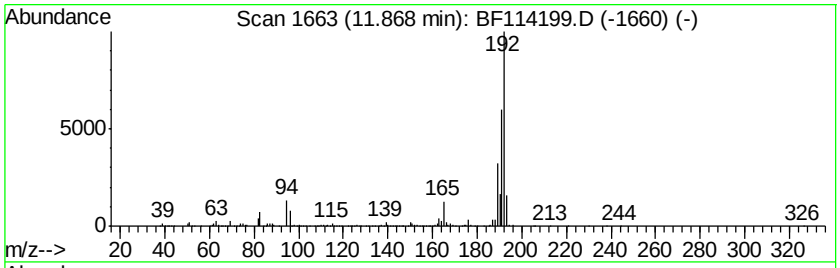
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

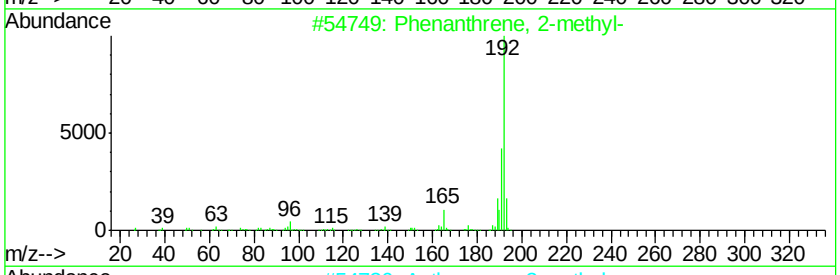
****

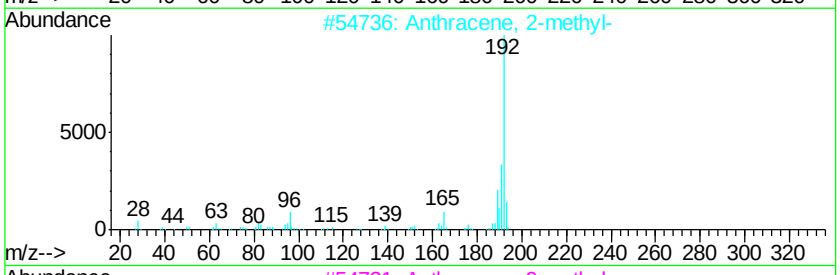
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 11

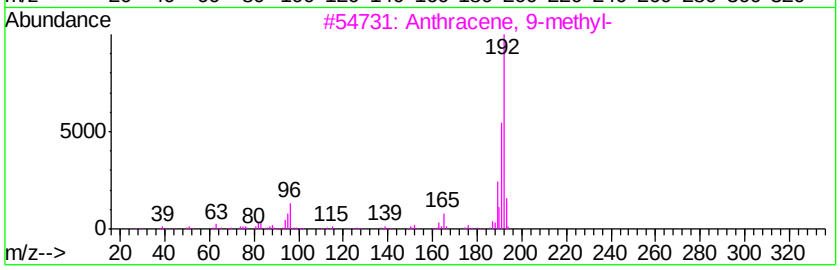
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	7.78 ng	1008150	Phenanthrene-d10	11.37

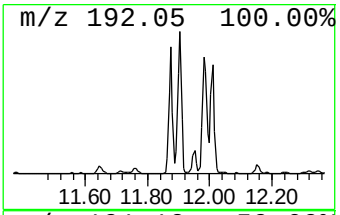
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87

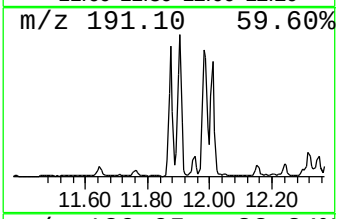


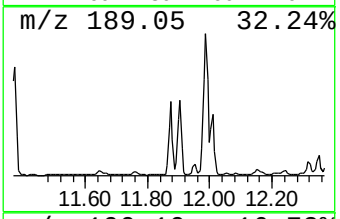


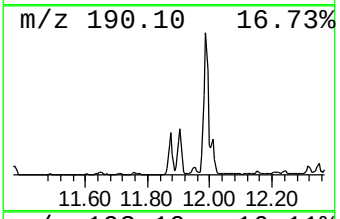


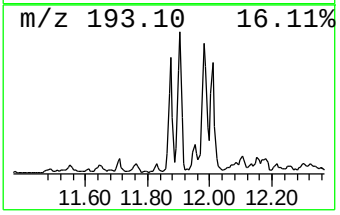












Library Search Compound Report

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Data File : BF114199.D
Acq On : 12 May 2019 18:14
Operator : JU/SJ
Sample : K2767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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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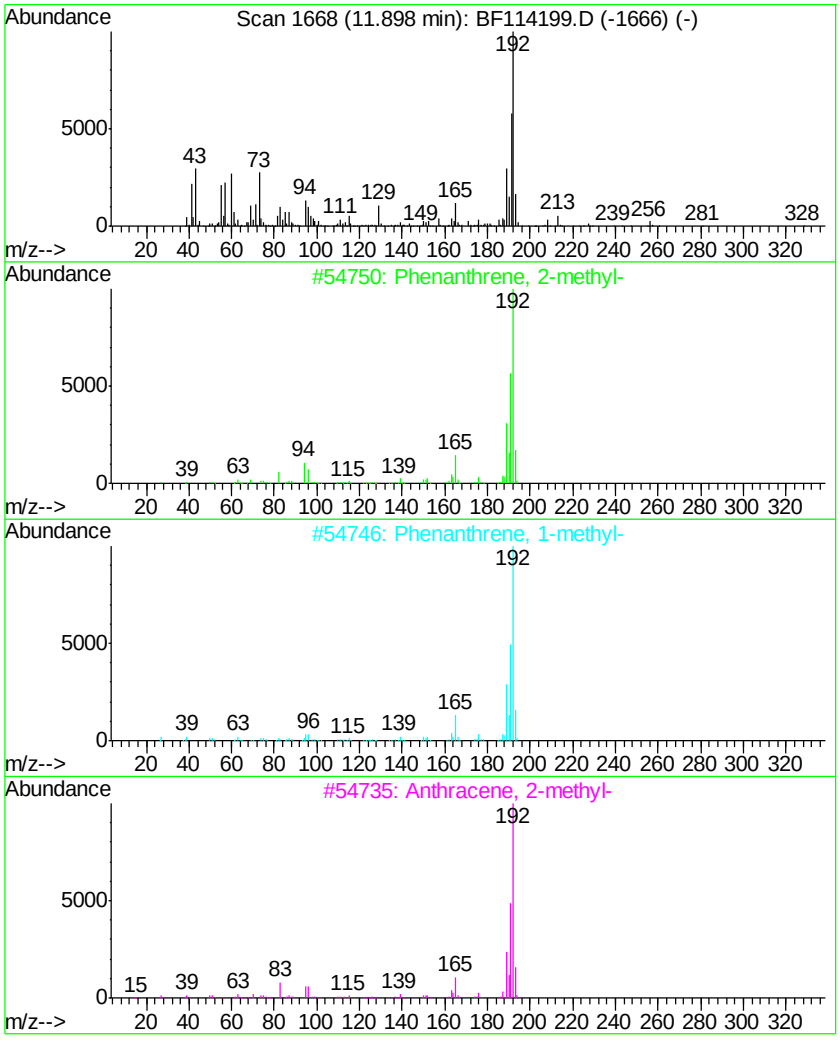
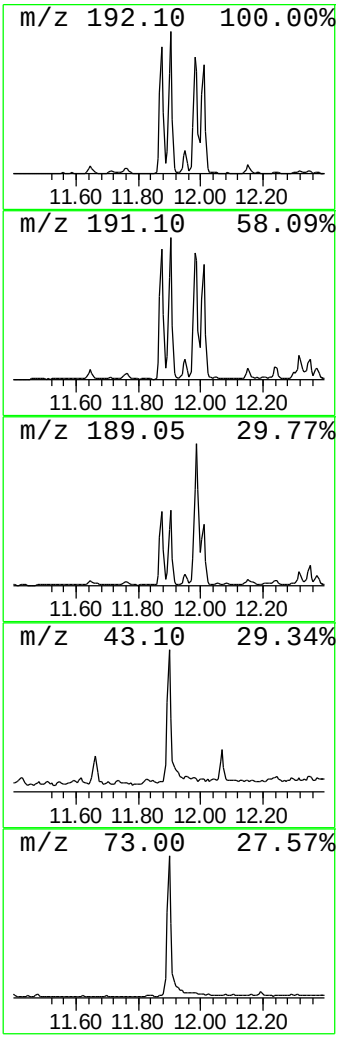
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	13.91 ng	1802560	Phenanthrene-d10	11.37

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





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Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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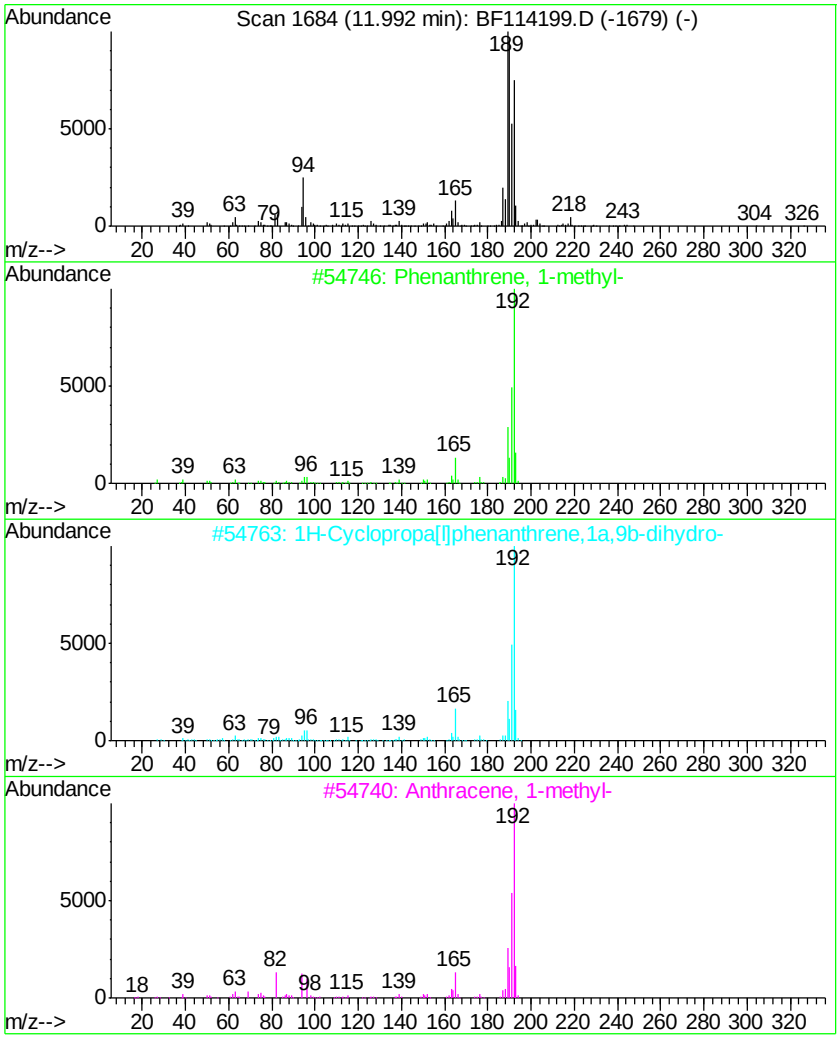
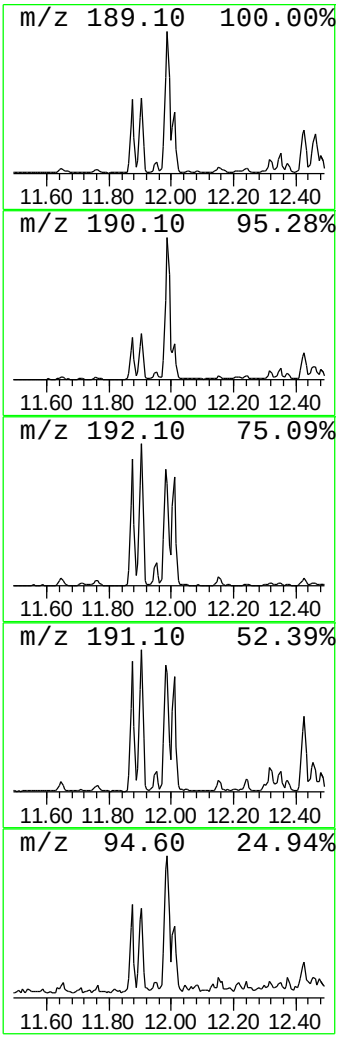
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	11.82 ng	1531490	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50





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ClientSampleId : P026-SS010-0206-01

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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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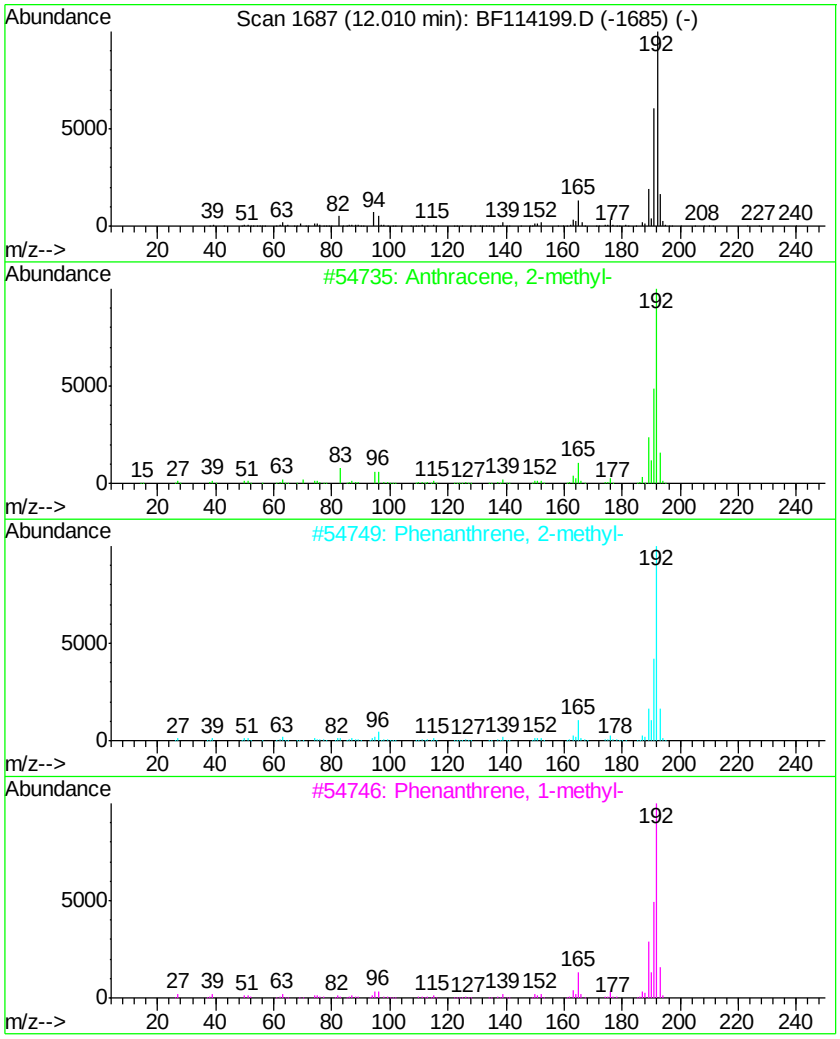
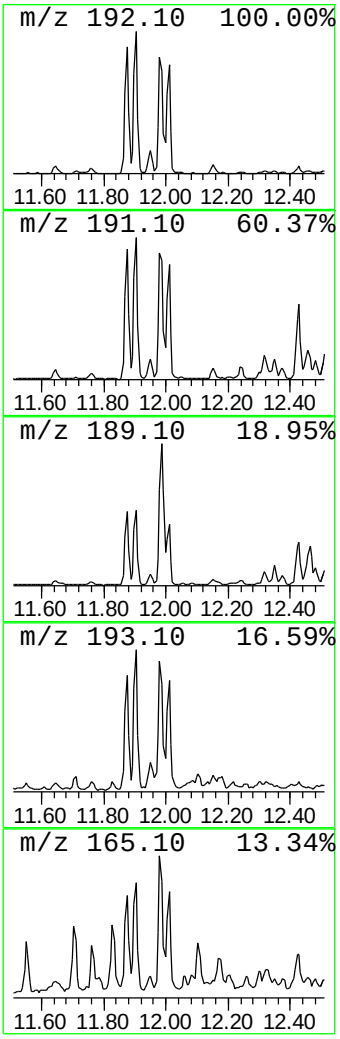
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	5.92 ng	766644	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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ClientSampleId : P026-SS010-0206-01

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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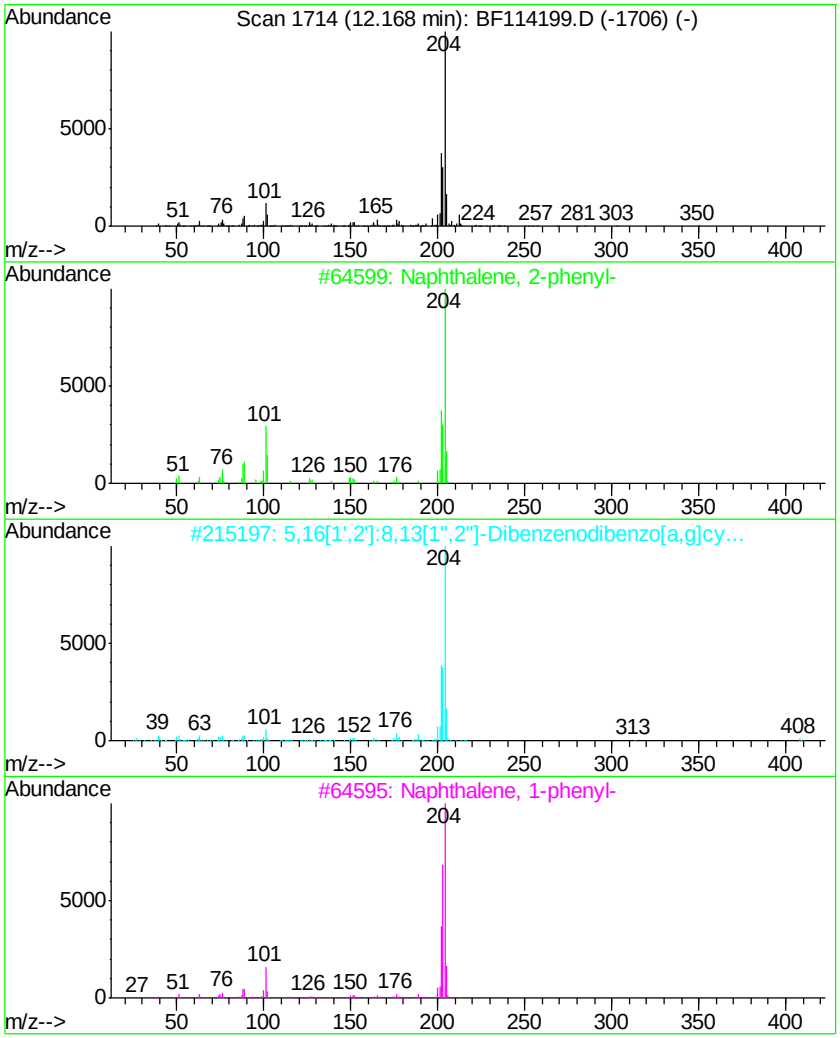
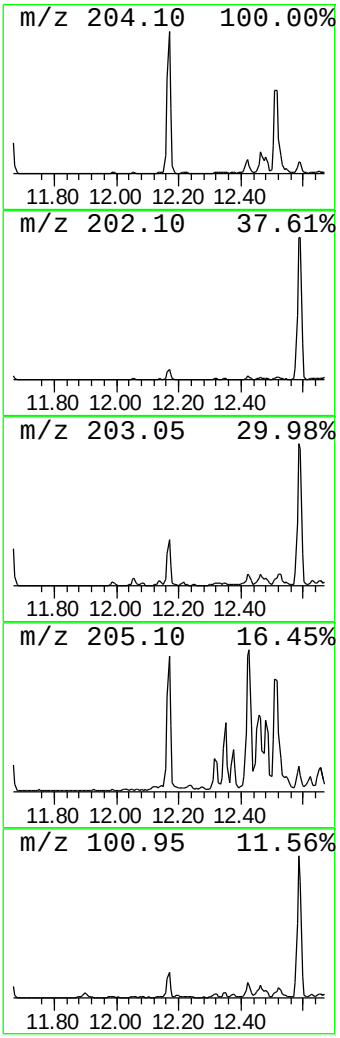
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	7.84 ng	1015360	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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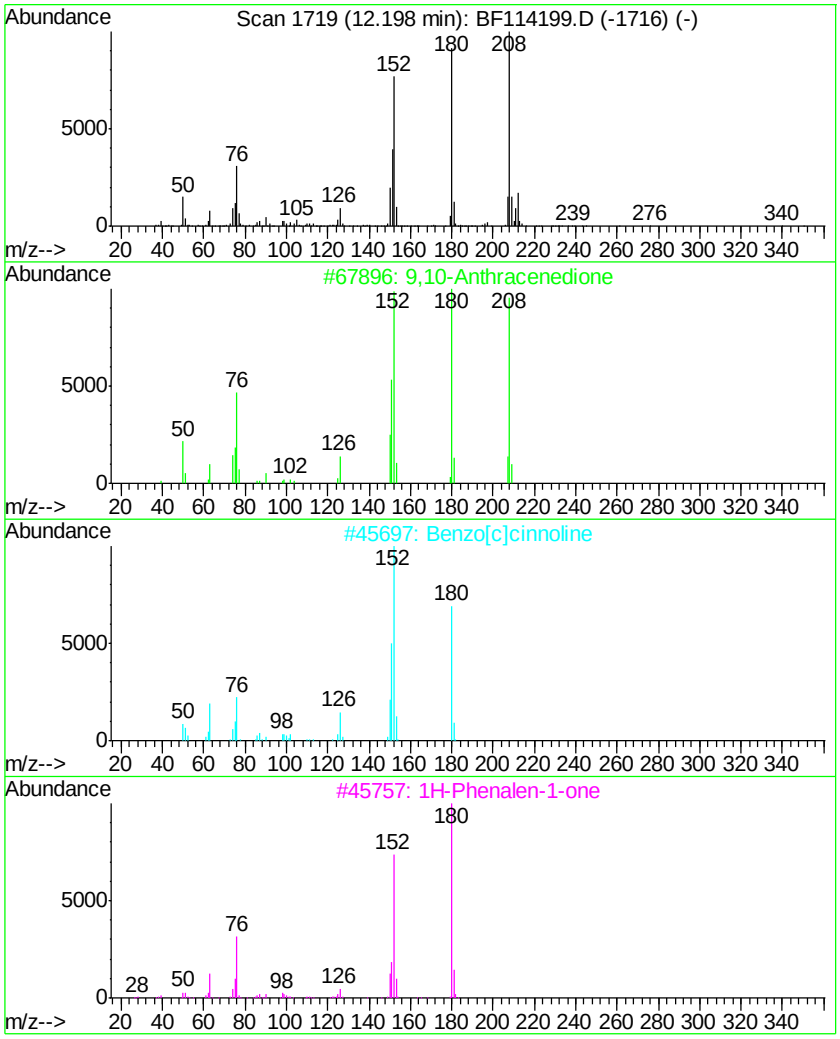
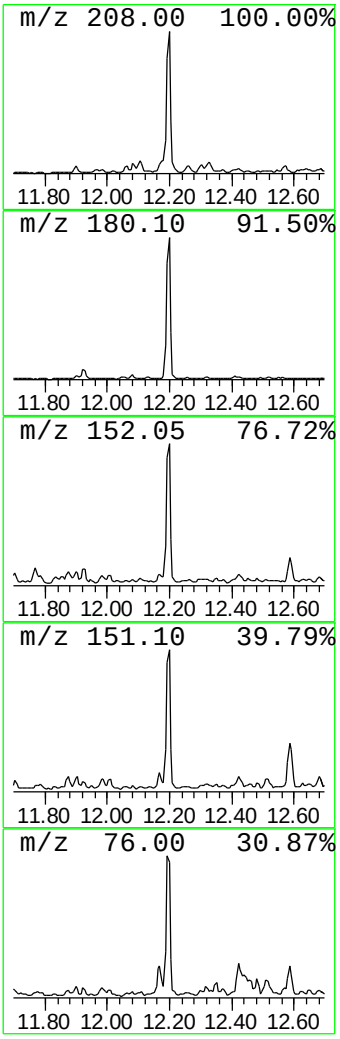
Peak Number 10 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	7.81 ng	1011950	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	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46





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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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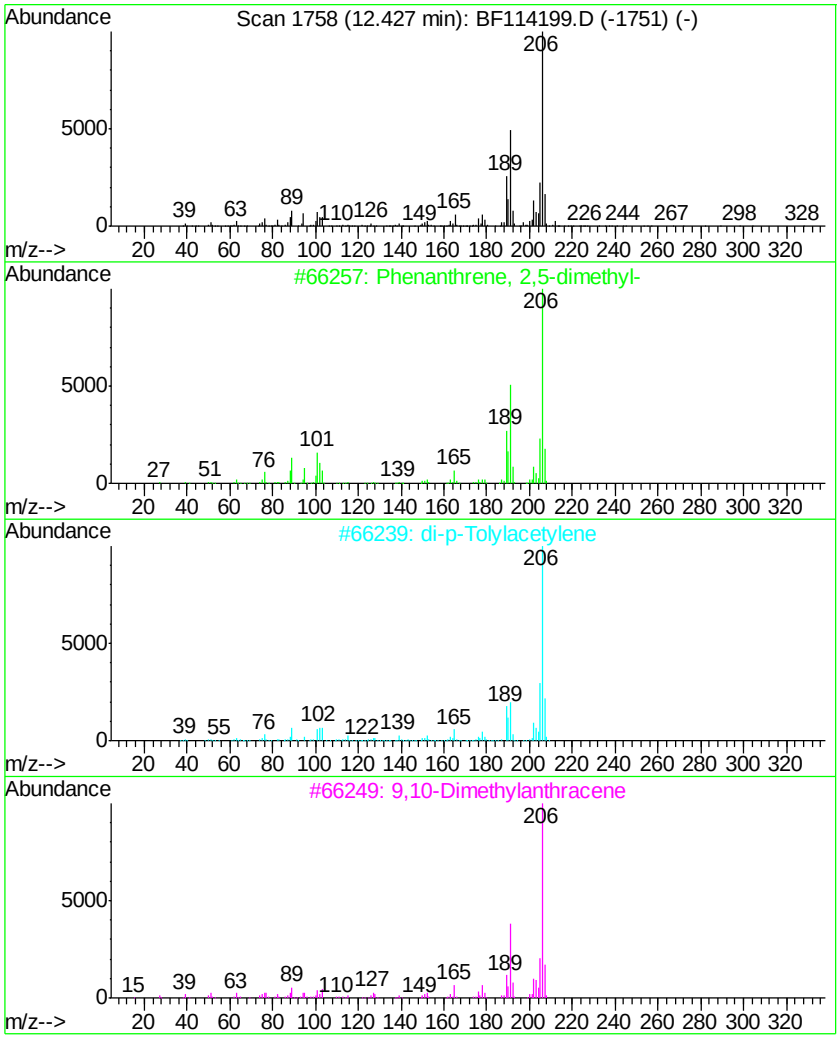
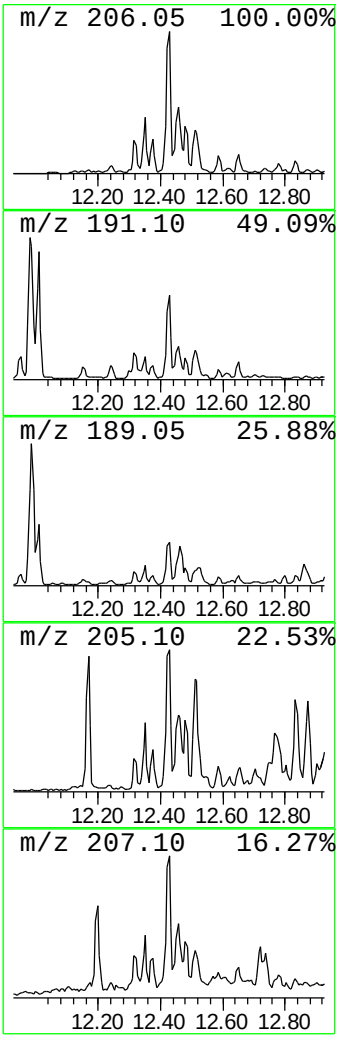
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	9.36 ng	1212090	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Sample : K2767-03
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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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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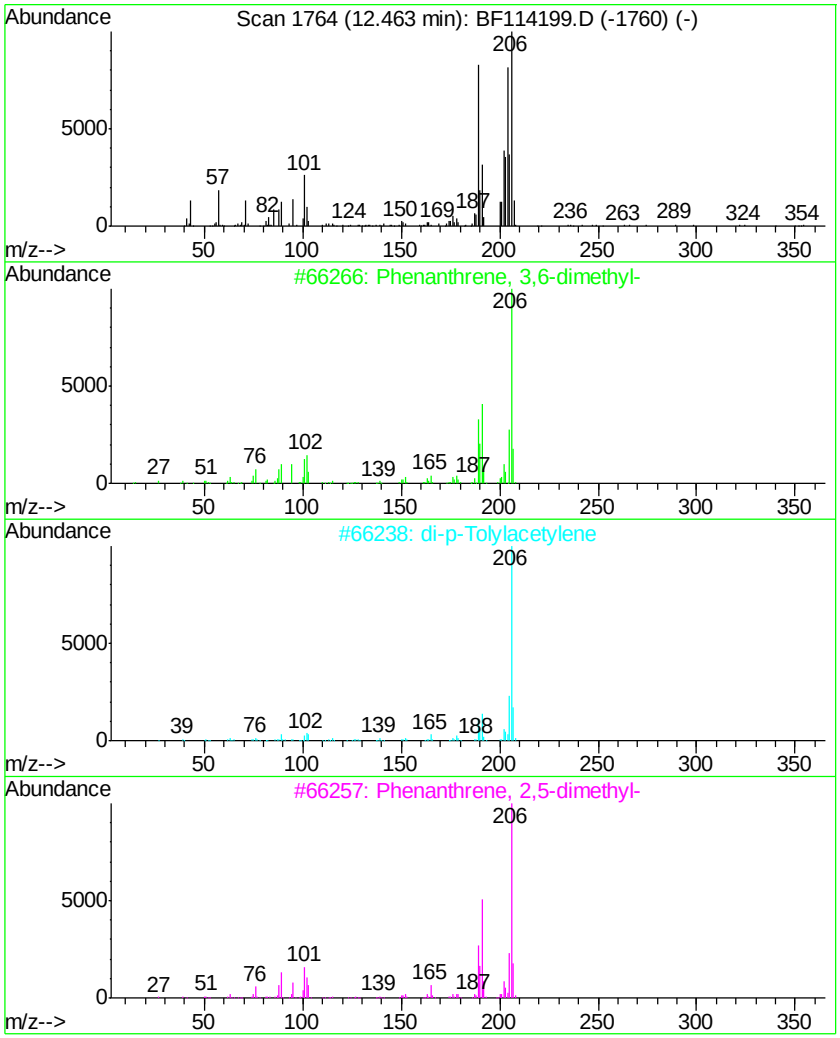
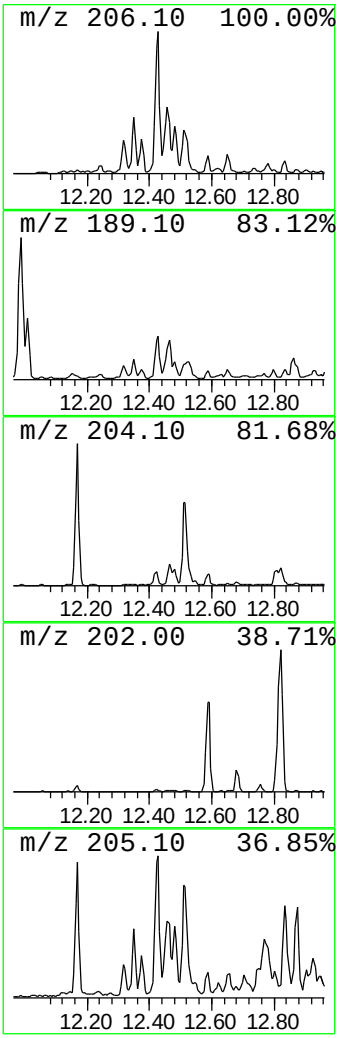
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	5.42 ng	702071	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	70





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ClientSampleId : P026-SS010-0206-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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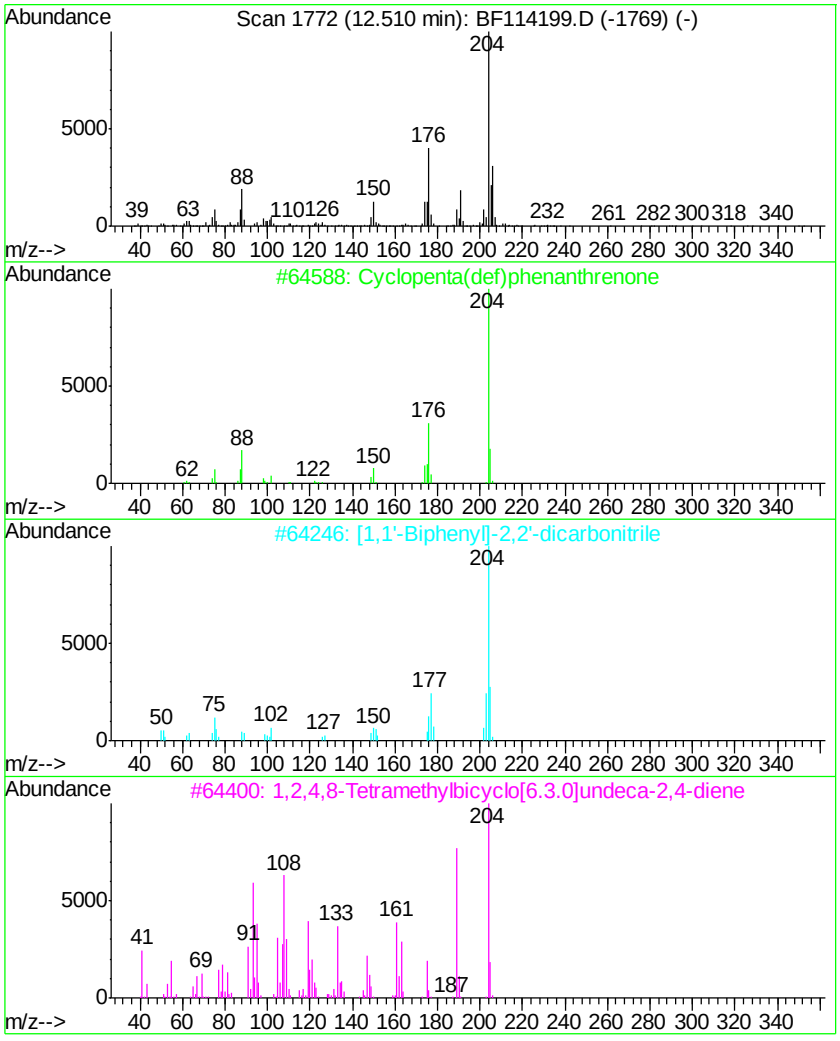
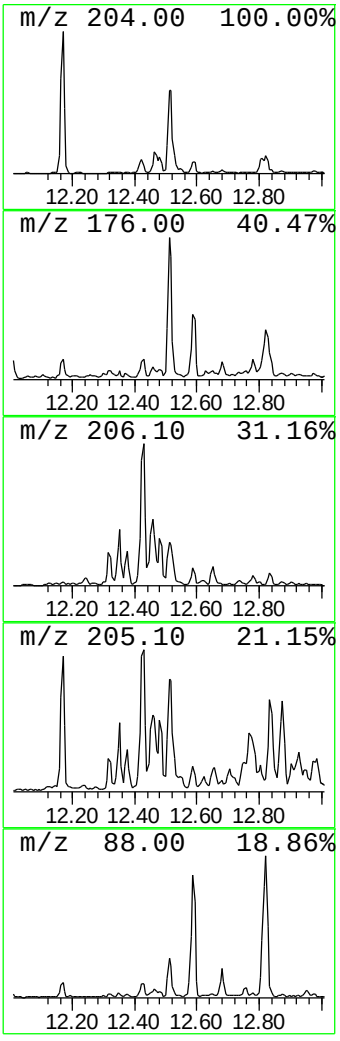
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	6.87 ng	889687	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]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





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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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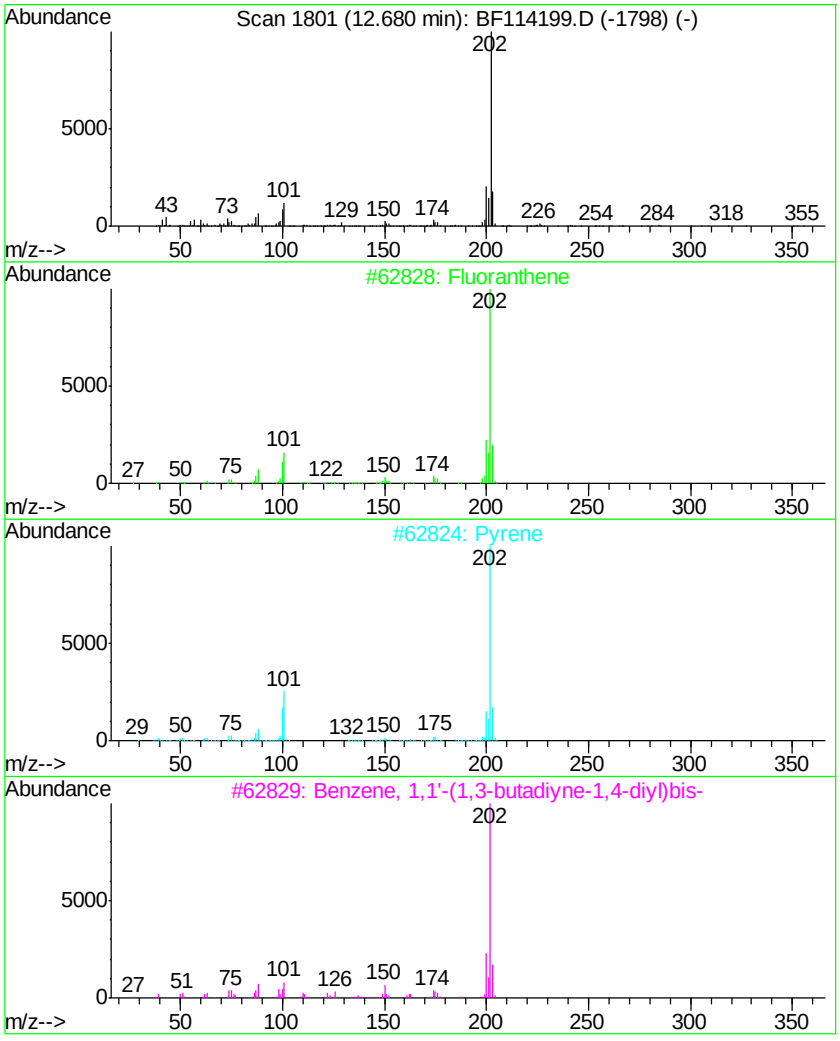
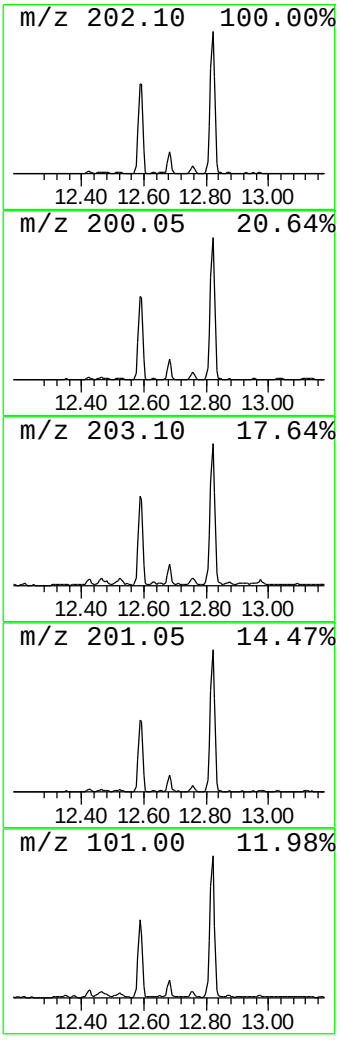
Peak Number 14 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	6.18 ng	801012	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	98
2	Pyrene	202	C16H10	000129-00-0	89
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	72
4	l-Leucyl-l-leucine, N,N'-dimethy...	528	C29H56N2O6	1000328-59-7	47
5	4-Methoxy-naphthalene-1-carboxyl...	202	C12H10O3	1000317-85-4	40





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ClientSampleId : P026-SS010-0206-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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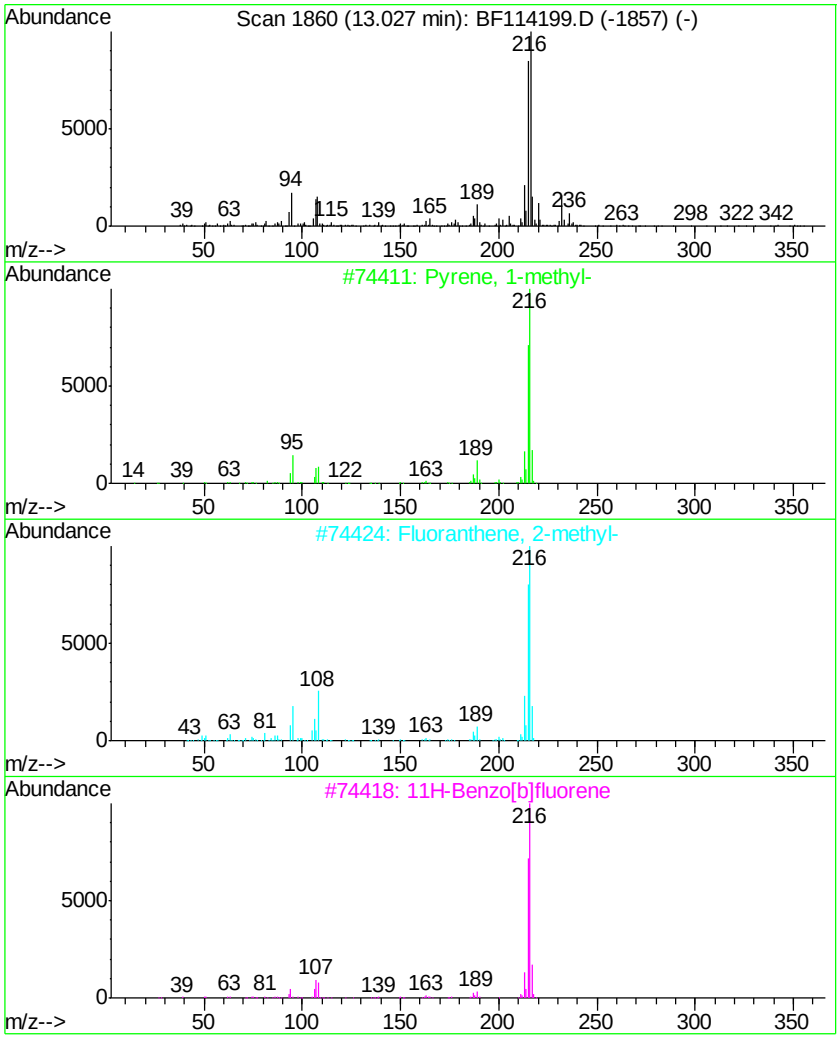
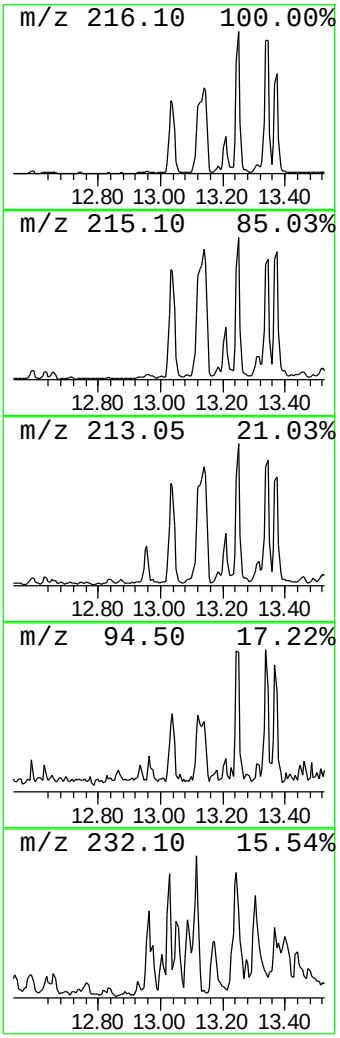
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	4.99 ng	1230440	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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ClientSampleId : P026-SS010-0206-01

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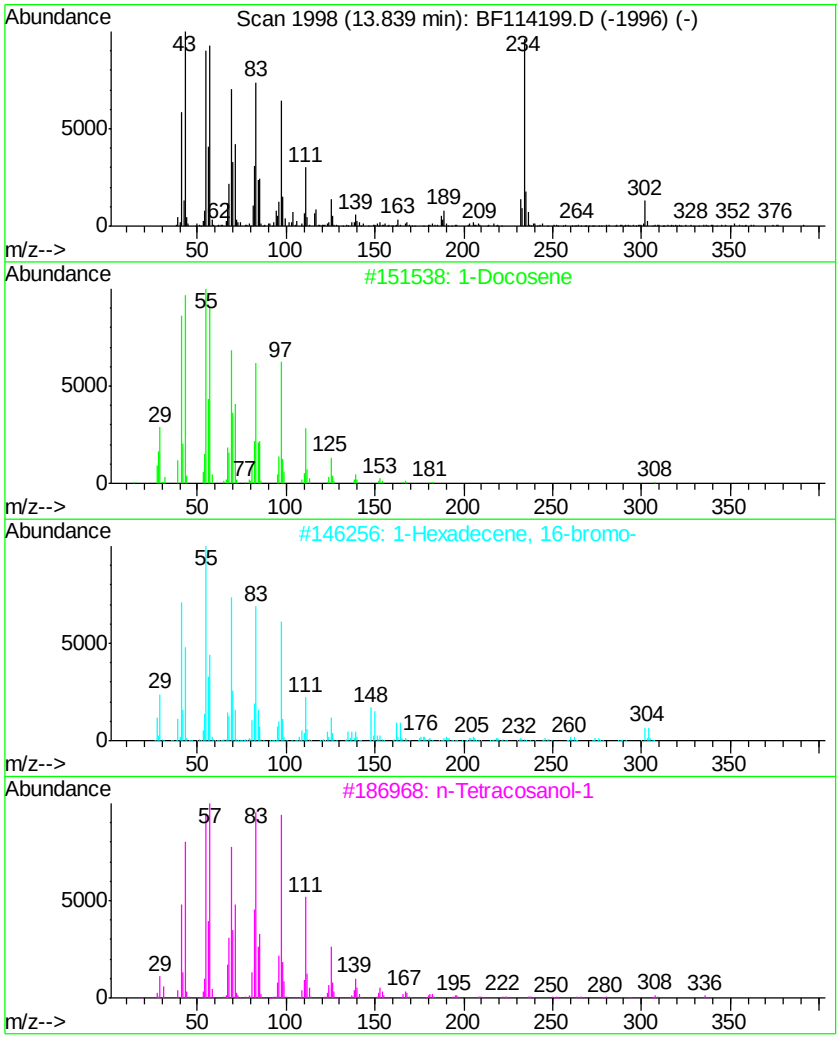
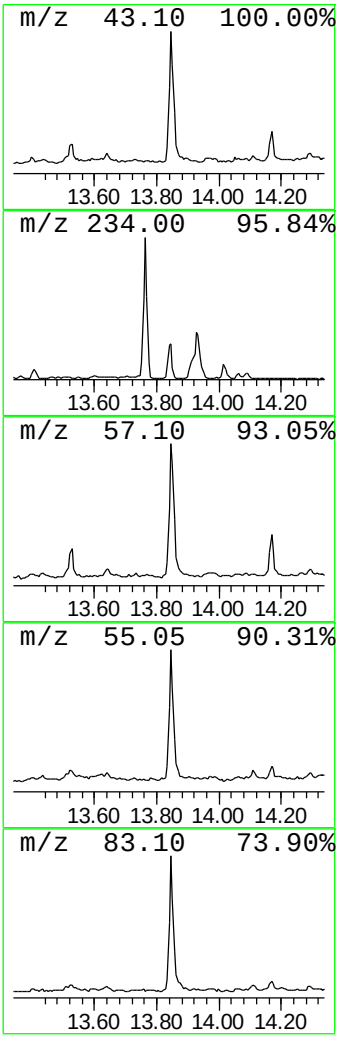
Peak Number 16 1-Docosene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	6.70 ng	1654060	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	90
2	1-Hexadecene, 16-bromo-	302	C16H31Br	118625-56-2	83
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	81
4	Octacosanol	410	C28H58O	000557-61-9	81
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114199.D
Acq On : 12 May 2019 18:14
Operator : JU/SJ
Sample : K2767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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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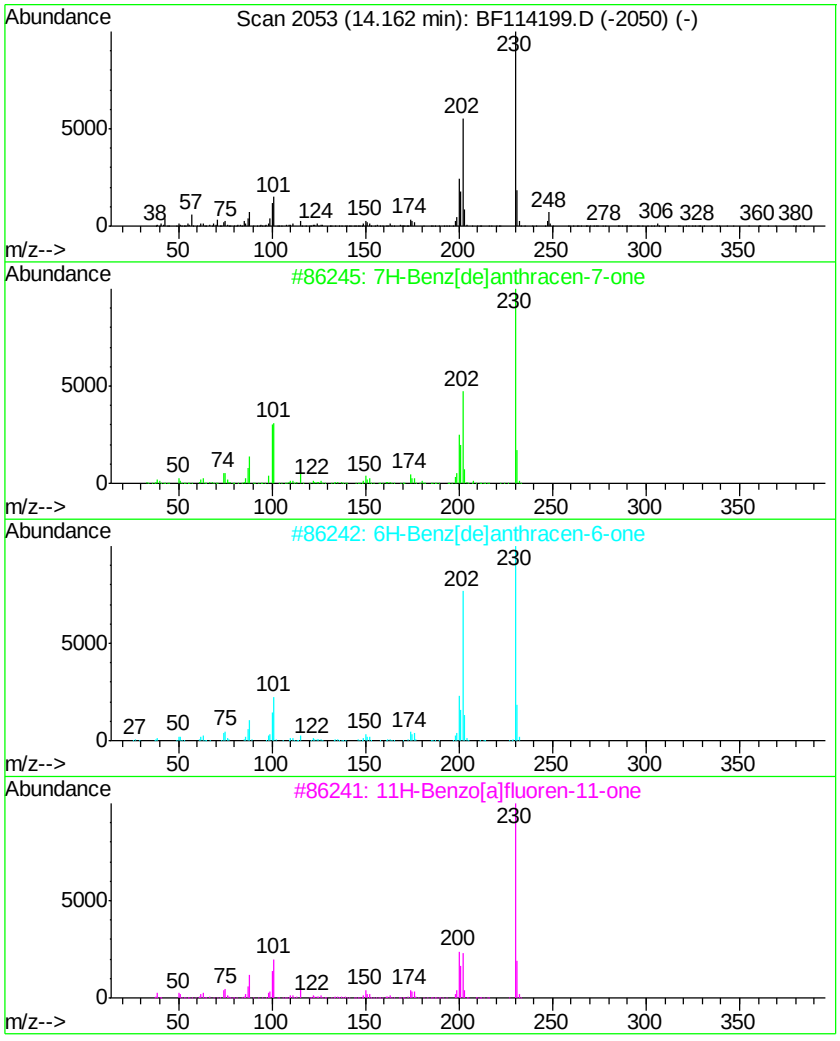
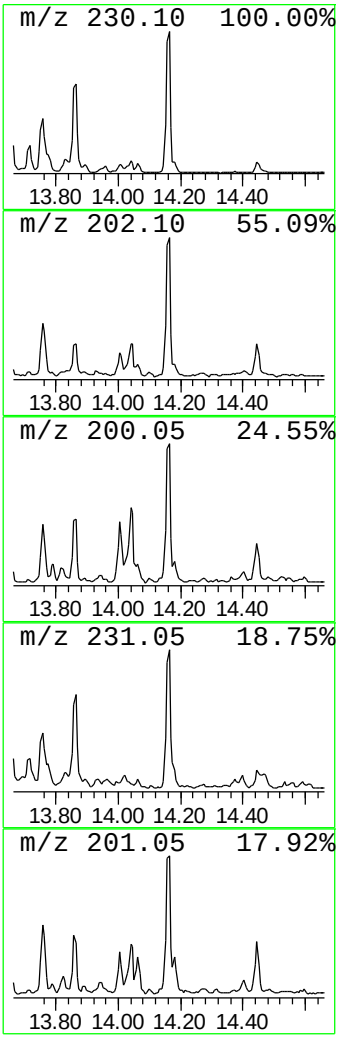
Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	6.13 ng	1512460	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	96
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	94
3	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	80
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	76
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	68





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Data File : BF114199.D
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Operator : JU/SJ
Sample : K2767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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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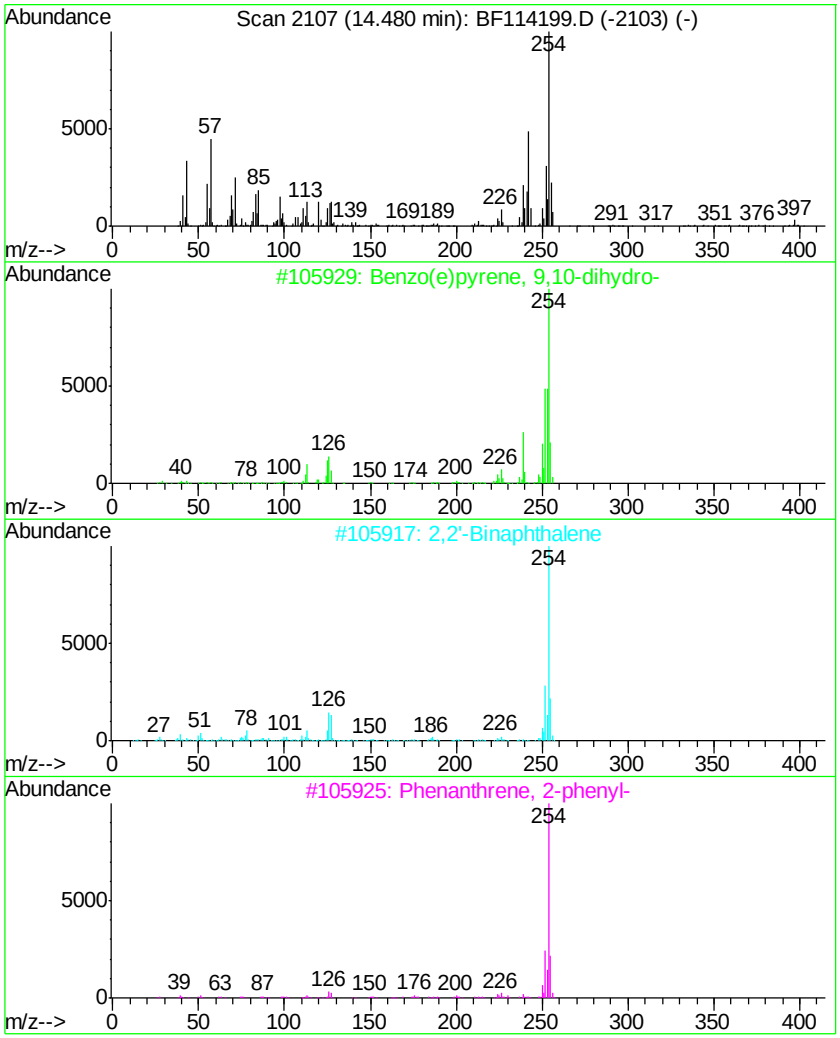
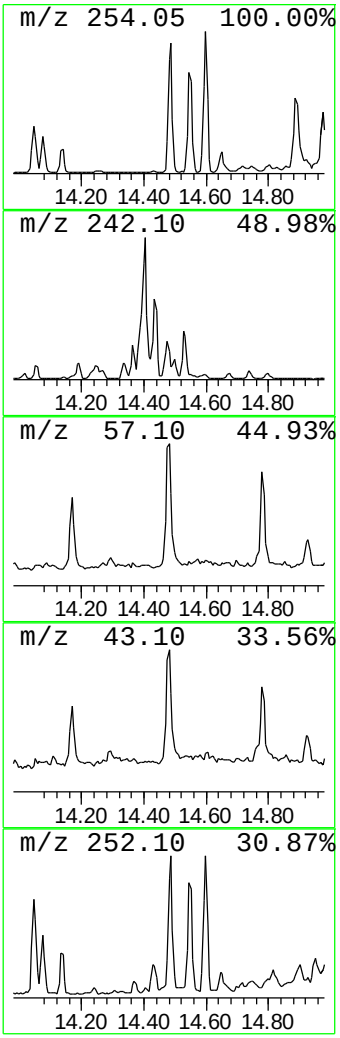
Peak Number 18 Benzo(e)pyrene, 9,10-dihydro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	5.68 ng	1402160	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	78
2	2,2'-Binaphthalene	254	C20H14	000612-78-2	64
3	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	50
4	2,5-Cyclohexadien-1-one, 4-[[4-(...	254	C16H18N2O	1000319-40-8	47
5	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	43





Library Search Compound Report

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Data File : BF114199.D
Acq On : 12 May 2019 18:14
Operator : JU/SJ
Sample : K2767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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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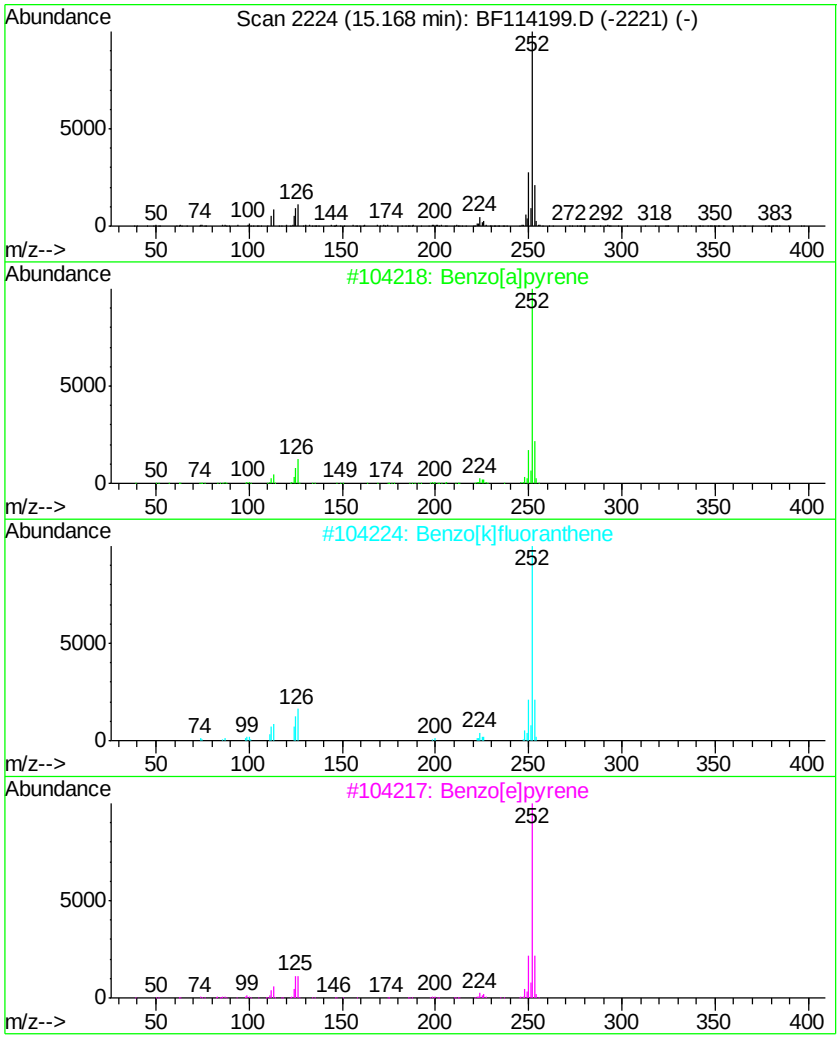
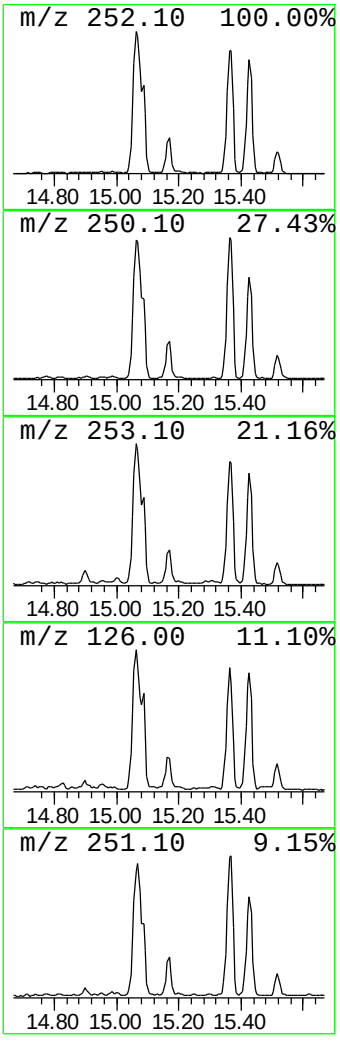
Peak Number 19 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	5.16 ng	566770	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[e]pyrene	252	C20H12	000192-97-2	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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Data File : BF114199.D
Acq On : 12 May 2019 18:14
Operator : JU/SJ
Sample : K2767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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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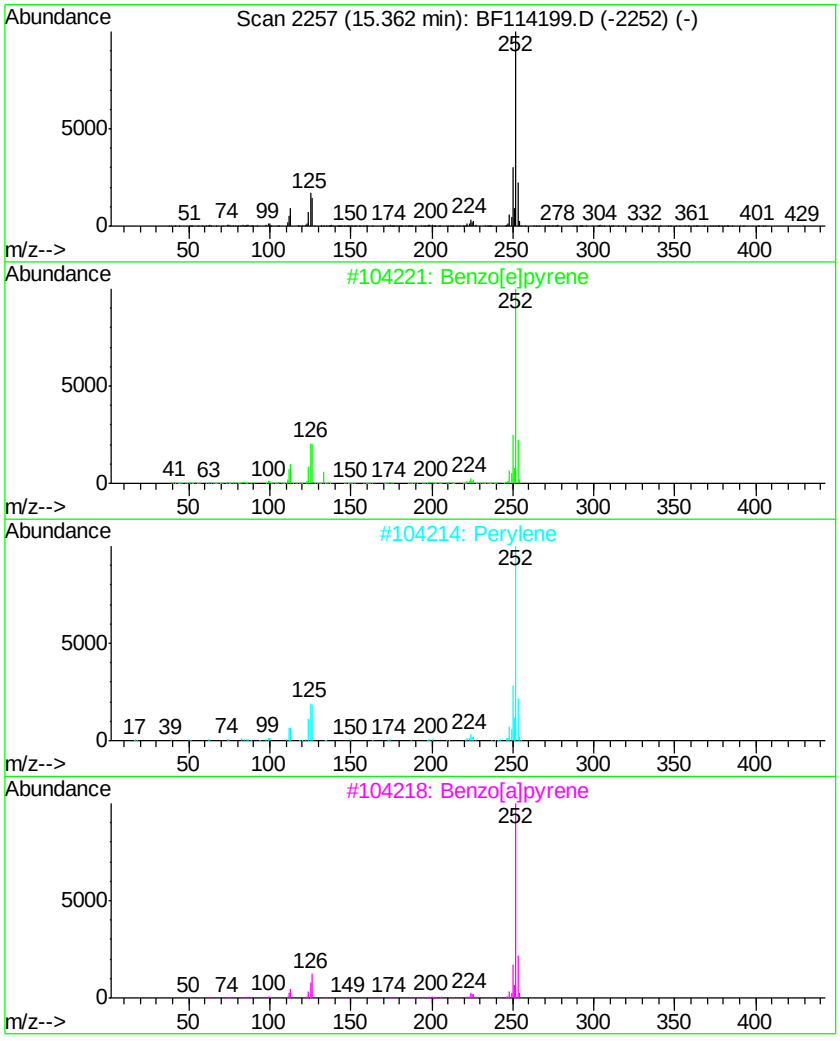
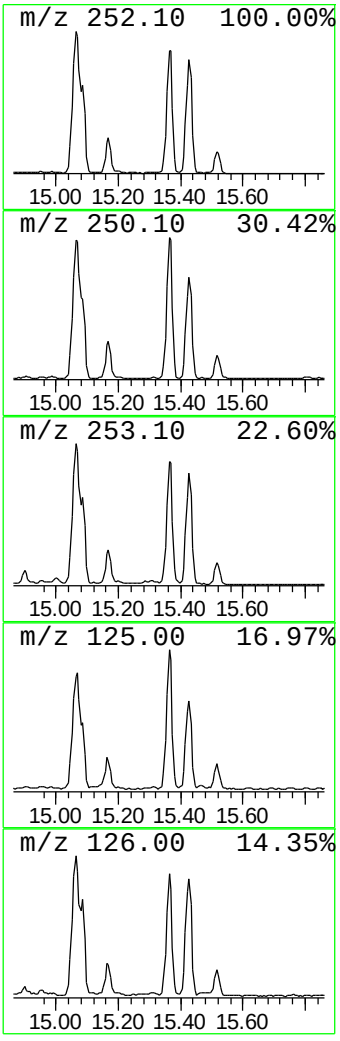
Peak Number 20 unknown15.36 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	25.71 ng	2824830	Perylene-d12	15.49

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	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051219\
Data File : BF114199.D
Acq On : 12 May 2019 18:14
Operator : JU/SJ
Sample : K2767-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0206-01

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...	2.12	15.2	ng	1406100	1	6.85	1854990	20.0
unknown6.63	6.63	56.0	ng	5189910	1	6.85	1854990	20.0
Resorcinol	8.59	16.7	ng	1910390	2	8.13	2288470	20.0
Phenanthrene, 2-m...	11.87	7.8	ng	1008150	4	11.37	2591140	20.0
Phenanthrene, 1-m...	11.90	13.9	ng	1802560	4	11.37	2591140	20.0
1H-Cyclopropa[l]p...	11.99	11.8	ng	1531490	4	11.37	2591140	20.0
Anthracene, 2-met...	12.01	5.9	ng	766644	4	11.37	2591140	20.0
Naphthalene, 2-ph...	12.17	7.8	ng	1015360	4	11.37	2591140	20.0
9,10-Anthracenedione	12.20	7.8	ng	1011950	4	11.37	2591140	20.0
Phenanthrene, 2,5...	12.43	9.4	ng	1212090	4	11.37	2591140	20.0
Phenanthrene, 3,6...	12.46	5.4	ng	702071	4	11.37	2591140	20.0
Cyclopenta(def)ph...	12.51	6.9	ng	889687	4	11.37	2591140	20.0
Benzene, 1,1'-(1,...	12.68	6.2	ng	801012	4	11.37	2591140	20.0
Pyrene, 1-methyl-	13.03	5.0	ng	1230440	5	14.02	4934660	20.0
1-Docosene	13.84	6.7	ng	1654060	5	14.02	4934660	20.0
7H-Benz[de]anthra...	14.16	6.1	ng	1512460	5	14.02	4934660	20.0
Benzo(e)pyrene, 9...	14.48	5.7	ng	1402160	5	14.02	4934660	20.0
Benzo[e]pyrene	15.17	5.2	ng	566770	6	15.49	2197300	20.0
unknown15.36	15.36	25.7	ng	2824830	6	15.49	2197300	20.0