LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114232.D
Acq On : 13 May 2019 16:42
Operator : JU/SJ
Sample : K2765-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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	2.122	3	6	15	rVB	2066220	2541726	14.24%	0.872%
2	5.492	575	579	593	rVB	5642000	5835995	32.70%	2.003%
3	6.510	746	752	768	rVB	5428340	6442162	36.10%	2.211%
4	6.633	768	773	776	rBV	6505588	6126381	34.33%	2.102%
5	6.851	807	810	818	rVB	1696358	1565001	8.77%	0.537%
6	7.010	833	837	841	rBV	4724468	4514371	25.29%	1.549%
7	7.416	898	906	909	rBV	4271561	4287073	24.02%	1.471%
8	8.133	1023	1028	1030	rBV	2259309	2008010	11.25%	0.689%
9	8.157	1030	1032	1037	rVB	1666870	1290501	7.23%	0.443%
10	8.780	1131	1138	1144	rVB	381115	624471	3.50%	0.214%
11	8.845	1146	1149	1156	rVB	1031569	875155	4.90%	0.300%
12	9.210	1206	1211	1214	rBV	6088818	5275475	29.56%	1.810%
13	9.604	1275	1278	1285	rVB2	1307736	1691075	9.48%	0.580%
14	9.751	1299	1303	1306	rBV	3241142	2707455	15.17%	0.929%
15	9.886	1324	1326	1330	rVV	2233743	2071913	11.61%	0.711%
16	10.445	1417	1421	1426	rVB2	448155	732507	4.10%	0.251%
17	10.680	1455	1461	1465	rBV	3733375	3517139	19.71%	1.207%
18	10.804	1477	1482	1485	rBV2	738839	814595	4.56%	0.280%
19	10.986	1508	1513	1516	rVV3	474400	782487	4.38%	0.269%
20	11.139	1536	1539	1543	rVV	680519	765338	4.29%	0.263%
21	11.180	1543	1546	1550	rVV	1060393	1037848	5.82%	0.356%
22	11.268	1558	1561	1567	rVB	903145	973829	5.46%	0.334%
23	11.380	1576	1580	1581	rVV	1914740	1937251	10.85%	0.665%
24	11.410	1581	1585	1588	rVV	7923465	8280703	46.40%	2.842%
25	11.451	1589	1592	1595	rVV	1856205	1642790	9.20%	0.564%
26	11.480	1595	1597	1601	rVV2	607321	726175	4.07%	0.249%
27	11.668	1624	1629	1632	rVB2	1885696	1918692	10.75%	0.658%
28	11.710	1632	1636	1639	rBV2	1445531	1337742	7.50%	0.459%
29	11.792	1648	1650	1653	rVB	682198	643941	3.61%	0.221%
30	11.833	1654	1657	1662	rBV3	589623	842939	4.72%	0.289%
31	11.880	1662	1665	1668	rVV	3599245	3870710	21.69%	1.328%
32	11.910	1668	1670	1673	rVV	4400025	4057059	22.73%	1.392%
33	11.957	1676	1678	1680	rVV	781915	618297	3.46%	0.212%
34	11.992	1680	1684	1687	rVV	5020544	5883591	32.97%	2.019%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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Acq On : 13 May 2019 16:42
Operator : JU/SJ
Sample : K2765-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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	12.015	1687	1688	1693	rVB	3232802	2591631	14.52%	0.889%
36	12.063	1693	1696	1699	rBV2	458701	665447	3.73%	0.228%
37	12.115	1702	1705	1707	rVV	720679	647023	3.63%	0.222%
38	12.174	1711	1715	1718	rVV	3624954	3714137	20.81%	1.275%
39	12.210	1718	1721	1726	rVB	3471403	3372223	18.89%	1.157%
40	12.321	1738	1740	1743	rVV	940931	1094907	6.13%	0.376%
41	12.357	1743	1746	1748	rVV	1240138	1149965	6.44%	0.395%
42	12.380	1748	1750	1753	rVB2	862123	693674	3.89%	0.238%
43	12.433	1755	1759	1762	rVV2	3179525	3524497	19.75%	1.210%
44	12.468	1762	1765	1767	rVV2	2468243	2976108	16.68%	1.021%
45	12.492	1767	1769	1771	rVV	1172221	974070	5.46%	0.334%
46	12.533	1771	1776	1779	rVV2	2764892	3643548	20.41%	1.250%
47	12.610	1783	1789	1791	rVV	8317995	11681574	65.45%	4.009%
48	12.639	1791	1794	1796	rVV2	1165699	1197471	6.71%	0.411%
49	12.662	1796	1798	1800	rVV2	944134	926791	5.19%	0.318%
50	12.692	1800	1803	1807	rVV	3120770	3064086	17.17%	1.052%
51	12.745	1808	1812	1814	rVV2	1930336	2049533	11.48%	0.703%
52	12.768	1814	1816	1821	rVV	972769	1258305	7.05%	0.432%
53	12.851	1822	1830	1832	rVV	9827190	17847575	100.00%	6.125%
54	12.880	1832	1835	1839	rVV3	815883	1075660	6.03%	0.369%
55	12.962	1846	1849	1851	rVV	4097410	3815752	21.38%	1.309%
56	12.986	1851	1853	1859	rVB3	920266	942091	5.28%	0.323%
57	13.045	1859	1863	1869	rBV2	2582530	4247968	23.80%	1.458%
58	13.098	1869	1872	1874	rVV2	684023	649638	3.64%	0.223%
59	13.157	1874	1882	1885	rVB2	2991646	6324630	35.44%	2.170%
60	13.221	1890	1893	1897	rVV2	1207678	1437807	8.06%	0.493%
61	13.262	1897	1900	1907	rVB	3967131	4110380	23.03%	1.411%
62	13.357	1912	1916	1918	rVV	3606879	3576511	20.04%	1.227%
63	13.386	1918	1921	1924	rVB	3445954	2957776	16.57%	1.015%
64	13.668	1965	1969	1972	rVB	2447984	2661012	14.91%	0.913%
65	13.774	1981	1987	1989	rBV2	2616364	3164064	17.73%	1.086%
66	13.804	1989	1992	1994	rVV	2950132	2815682	15.78%	0.966%
67	13.833	1994	1997	1999	rVV	2374314	2190100	12.27%	0.752%
68	13.857	1999	2001	2003	rVV	1225013	1317648	7.38%	0.452%
69	13.880	2003	2005	2008	rVB	2037432	1701370	9.53%	0.584%
70	14.027	2024	2030	2033	rBV2	6695296	10749065	60.23%	3.689%
71	14.068	2033	2037	2040	rVV	6826323	9425063	52.81%	3.235%

LSC Area Percent Report

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Acq On : 13 May 2019 16:42
Operator : JU/SJ
Sample : K2765-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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	14.186	2053	2057	2060	rBV	3389920	3881324	21.75%	1.332%
73	14.292	2072	2075	2078	rVB3	669550	744605	4.17%	0.256%
74	14.392	2089	2092	2094	rBV2	818045	950806	5.33%	0.326%
75	14.433	2094	2099	2101	rVV	2661550	3418076	19.15%	1.173%
76	14.462	2101	2104	2108	rVV2	1823589	2460390	13.79%	0.844%
77	14.509	2108	2112	2117	rVV4	1877112	3479154	19.49%	1.194%
78	14.562	2117	2121	2122	rVV2	2042566	2282161	12.79%	0.783%
79	14.580	2122	2124	2127	rVV2	1853118	1682055	9.42%	0.577%
80	14.627	2129	2132	2136	rVB	1592896	1565710	8.77%	0.537%
81	14.886	2173	2176	2180	rBV2	1127145	1072439	6.01%	0.368%
82	14.933	2180	2184	2187	rBV3	863611	1013517	5.68%	0.348%
83	15.115	2207	2215	2218	rBV2	5646530	12149153	68.07%	4.169%
84	15.209	2227	2231	2235	rVB	1838533	2116817	11.86%	0.726%
85	15.421	2259	2267	2271	rVB	4907273	8057012	45.14%	2.765%
86	15.492	2271	2279	2282	rBV2	5188046	9736559	54.55%	3.341%
87	15.533	2283	2286	2289	rVV2	1360657	1889261	10.59%	0.648%
88	15.568	2289	2292	2298	rVB3	1361969	2019779	11.32%	0.693%
89	15.709	2311	2316	2319	rBV3	525949	1062064	5.95%	0.364%
90	15.856	2337	2341	2344	rBV	558173	750222	4.20%	0.257%
91	15.892	2344	2347	2353	rVB	575501	792864	4.44%	0.272%
92	15.968	2355	2360	2364	rBV2	715533	1215935	6.81%	0.417%
93	16.056	2371	2375	2379	rVV2	508666	768264	4.30%	0.264%
94	16.103	2379	2383	2387	rVB2	675364	890478	4.99%	0.306%
95	16.556	2456	2460	2469	rBV4	298301	620268	3.48%	0.213%
96	16.662	2474	2478	2483	rVB3	399629	730528	4.09%	0.251%
97	17.033	2532	2541	2546	rBV	2245492	4989799	27.96%	1.712%
98	17.186	2563	2567	2572	rVB	380362	629825	3.53%	0.216%
99	17.245	2572	2577	2585	rBV	486625	1072540	6.01%	0.368%
100	17.492	2609	2619	2628	rVB	1983649	4874644	27.31%	1.673%

Sum of corrected areas: 291391428

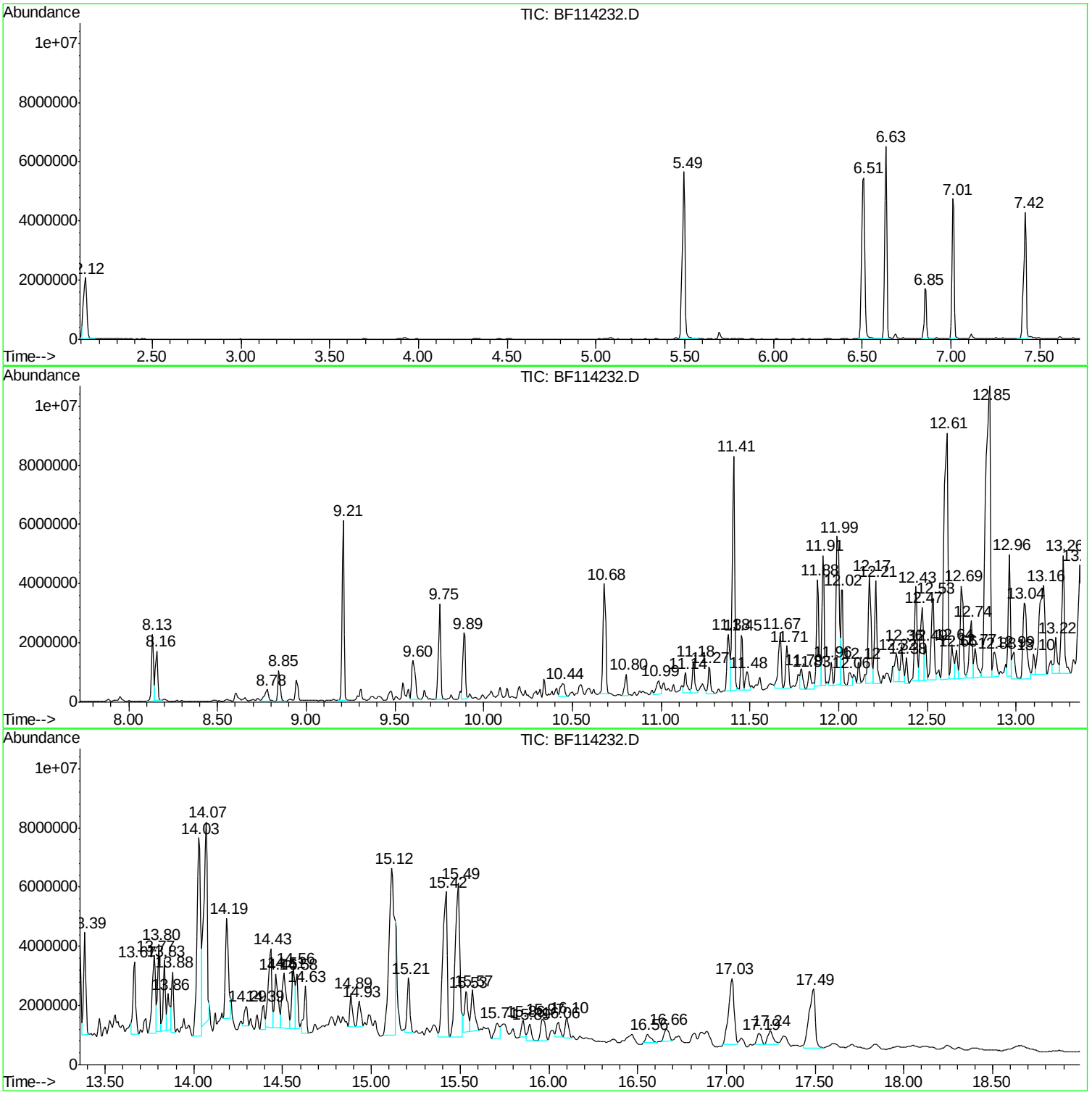
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114232.D
Acq On : 13 May 2019 16:42
Operator : JU/SJ
Sample : K2765-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-01

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114232.D
Acq On : 13 May 2019 16:42
Operator : JU/SJ
Sample : K2765-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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

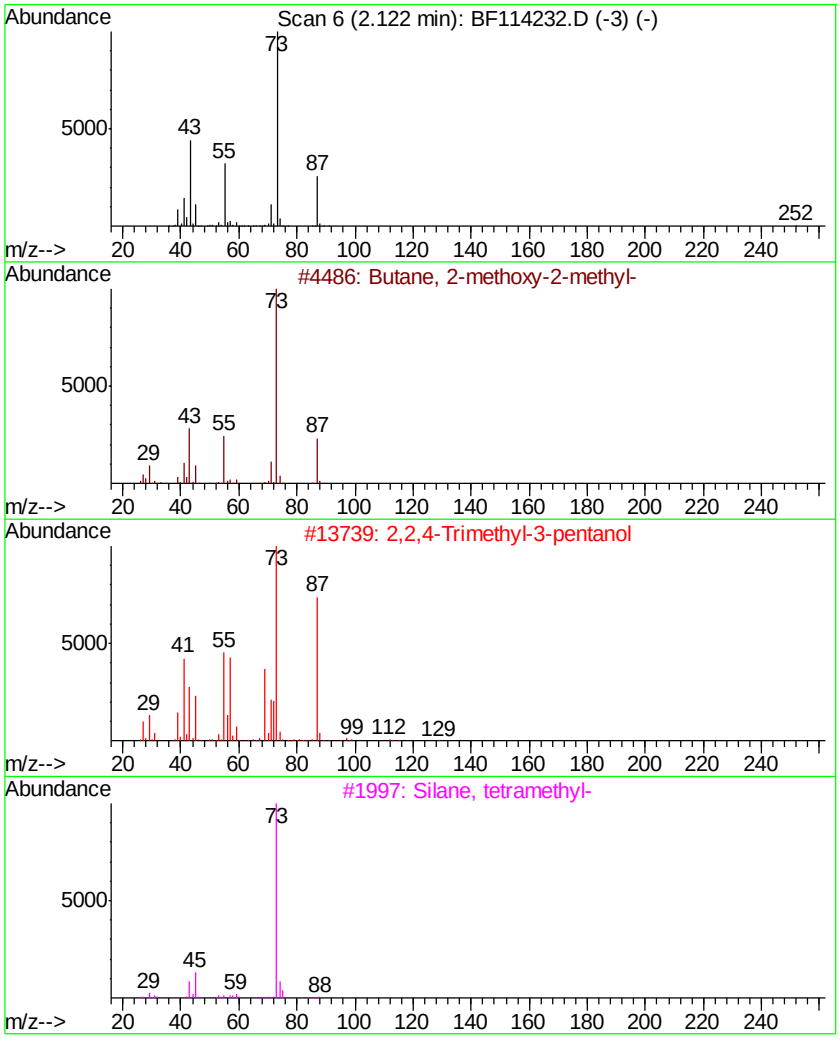
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

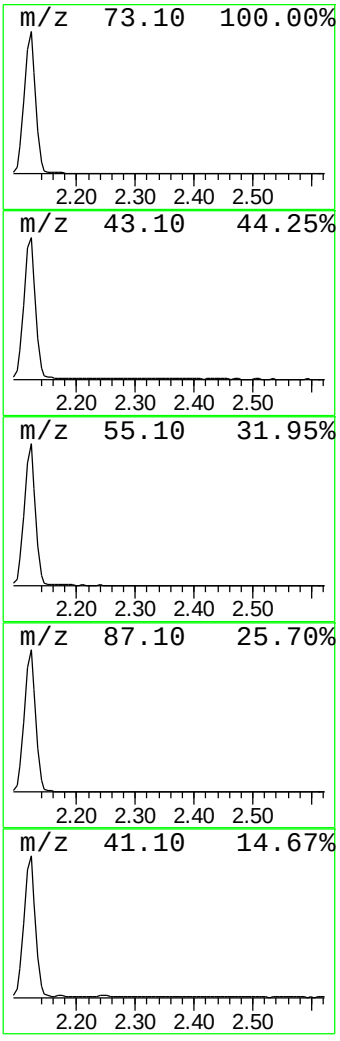
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	32.48 ng	2541730	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	39
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	37





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Data File : BF114232.D
Acq On : 13 May 2019 16:42
Operator : JU/SJ
Sample : K2765-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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

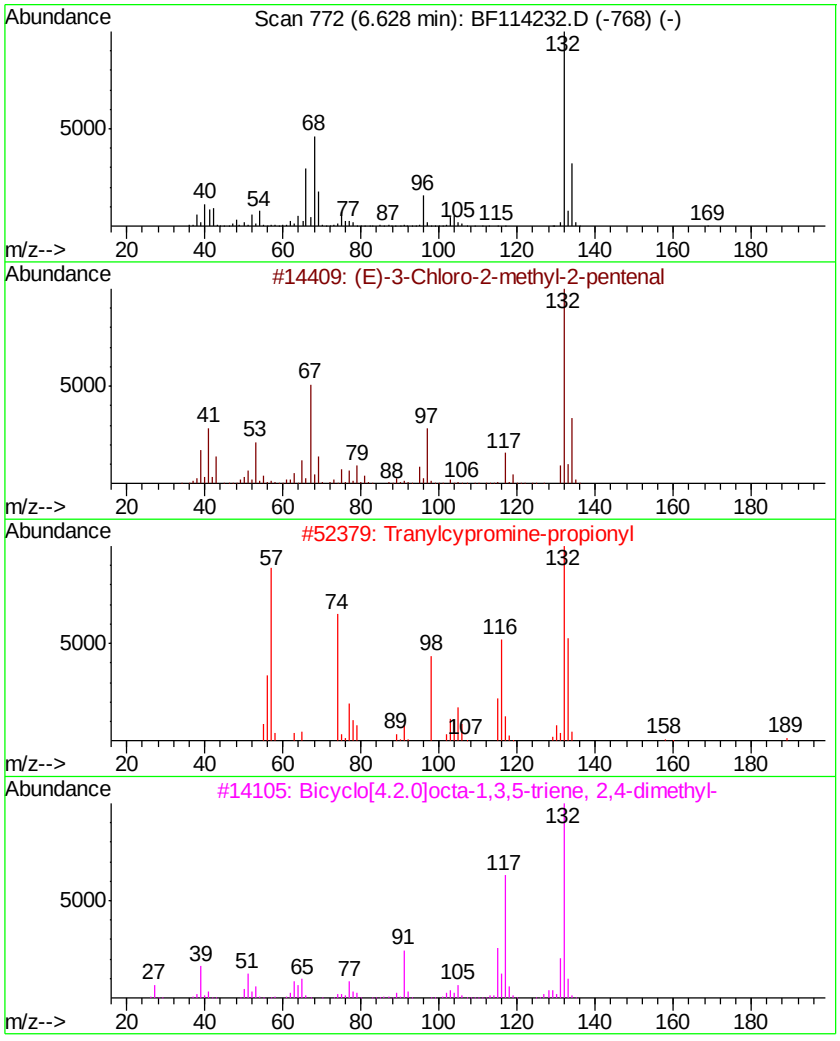
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

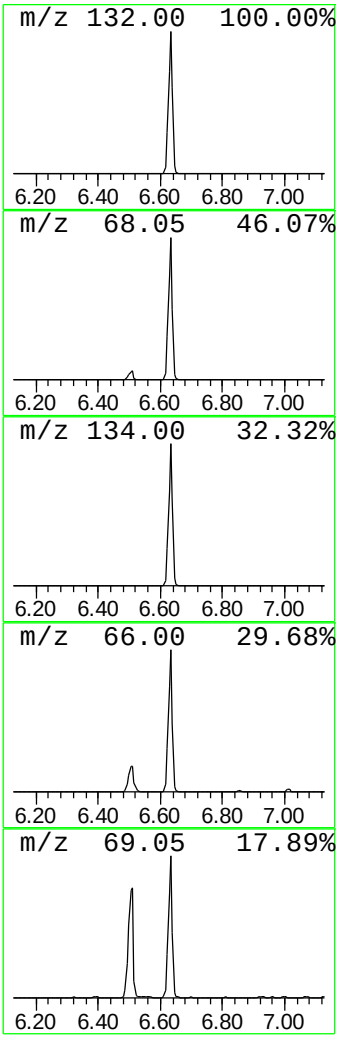
****

Peak Number 2 unknown6.63 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	78.29 ng	6126380	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114232.D
Acq On : 13 May 2019 16:42
Operator : JU/SJ
Sample : K2765-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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

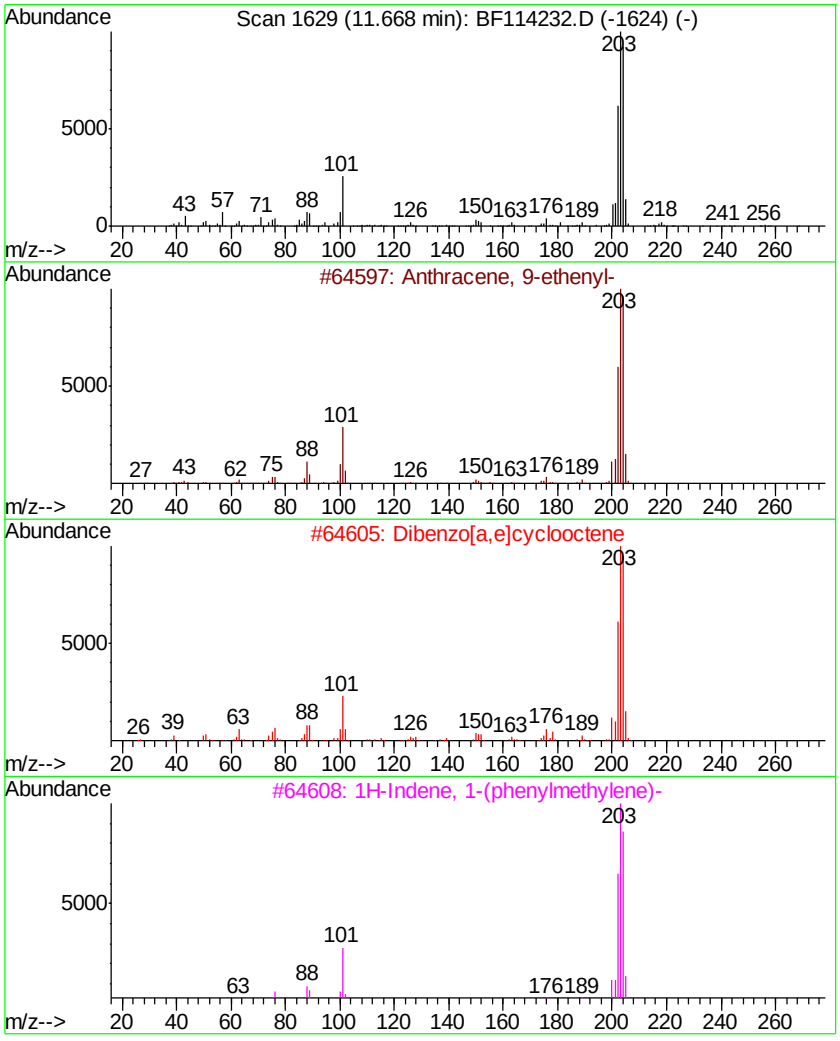
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

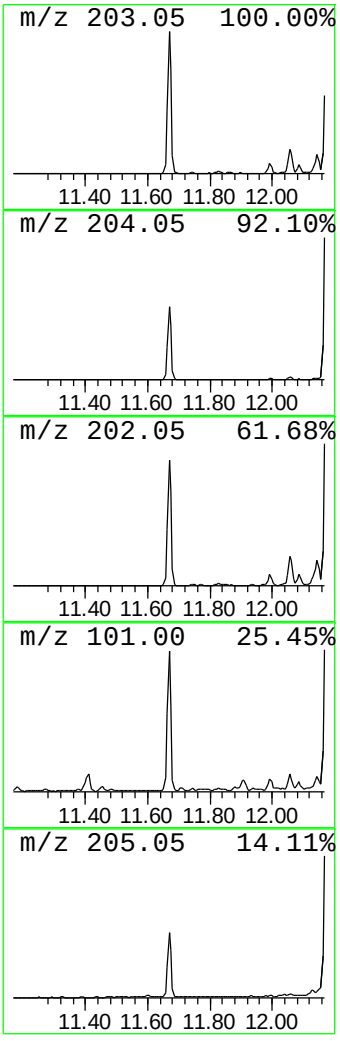
****

Peak Number 4 Anthracene, 9-ethenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	19.81 ng	1918690	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	94
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	81
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	81
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	81
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114232.D
Acq On : 13 May 2019 16:42
Operator : JU/SJ
Sample : K2765-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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

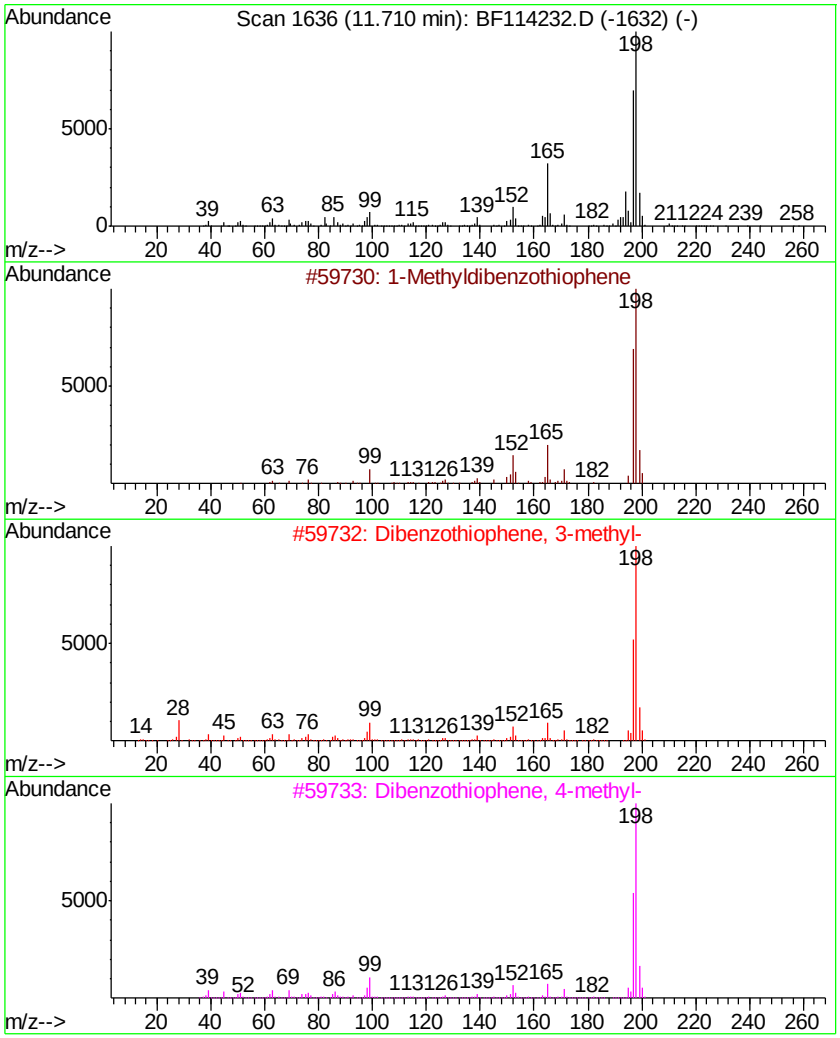
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

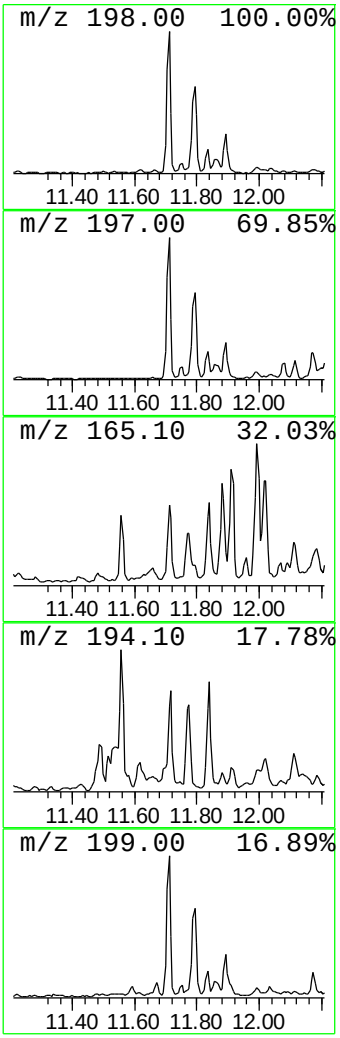
****

Peak Number 5 1-Methyldibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	13.81 ng	1337740	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	68
4	Thioxanthene	198	C13H10S	000261-31-4	60
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114232.D
Acq On : 13 May 2019 16:42
Operator : JU/SJ
Sample : K2765-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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

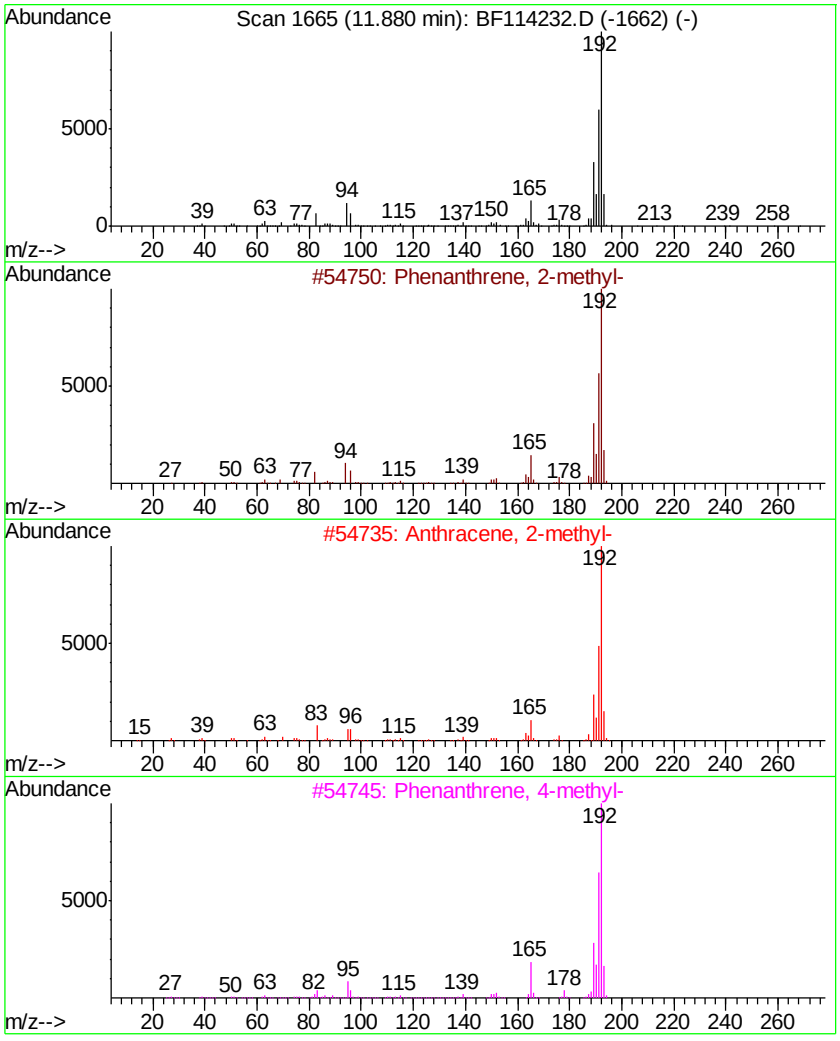
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

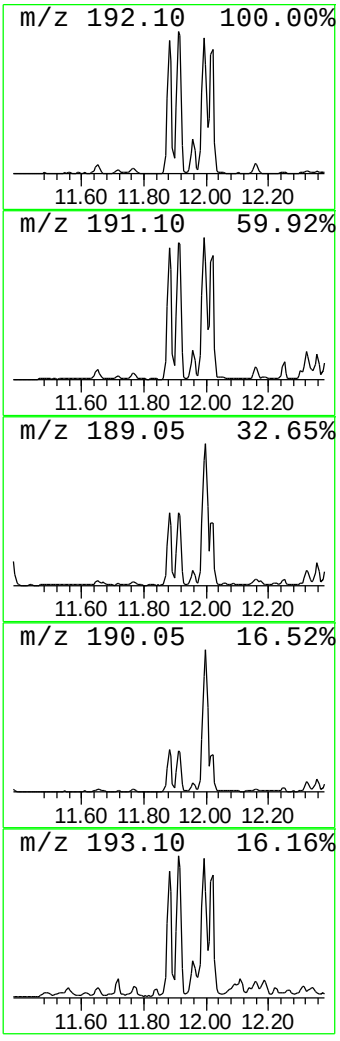
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	39.96 ng	3870710	Phenanthrene-d10	11.38

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	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 13 May 2019 16:42
Operator : JU/SJ
Sample : K2765-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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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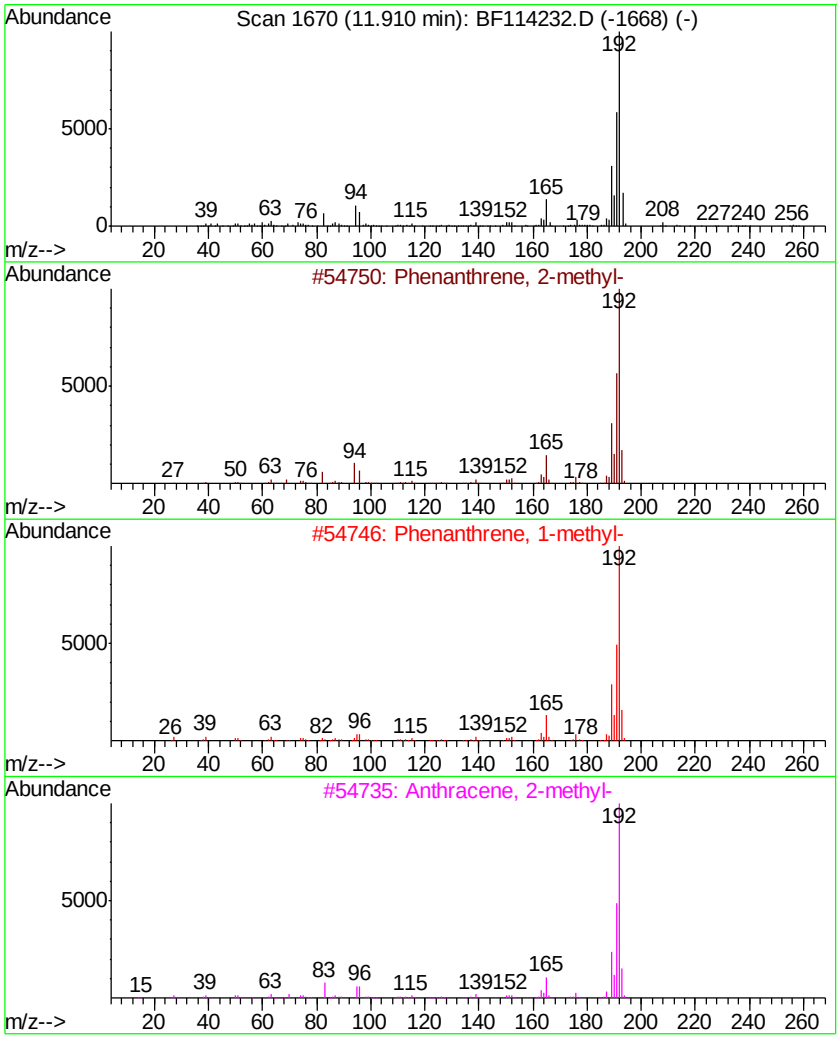
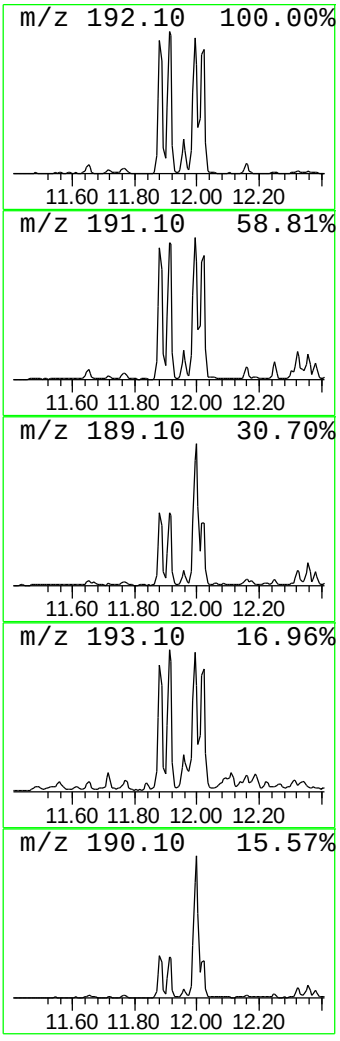
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	41.88 ng	4057060	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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Misc :
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ClientSampleId : P026-SS006-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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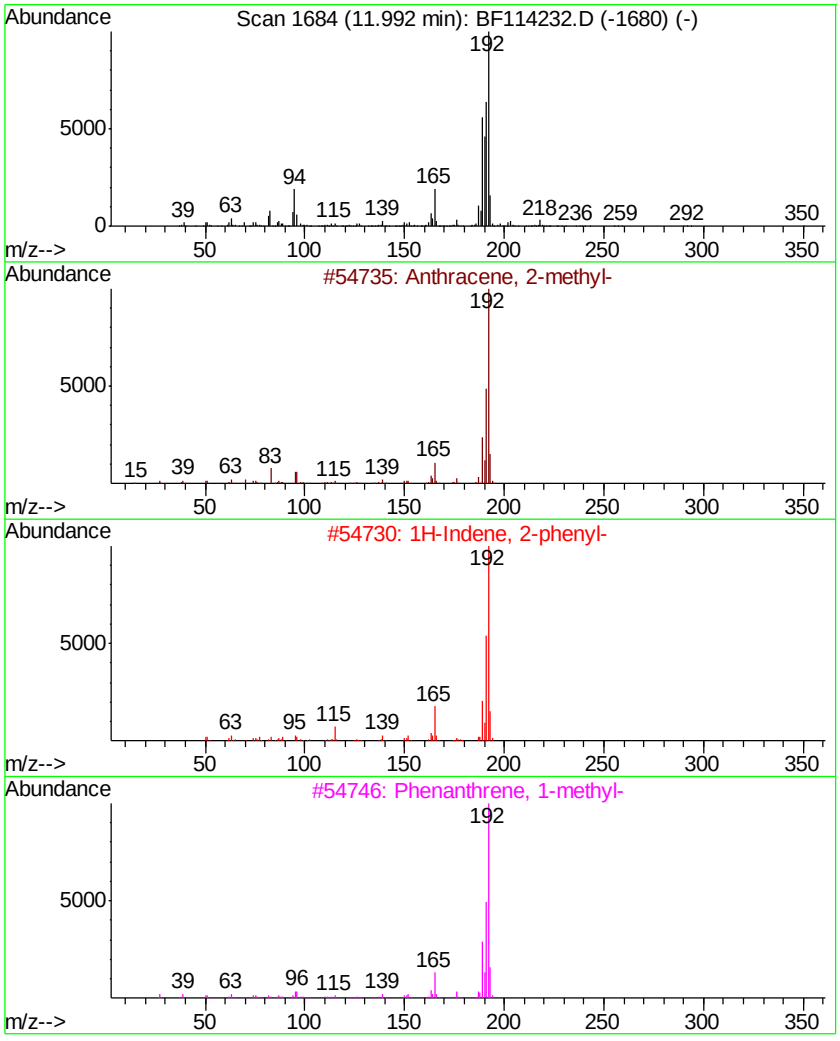
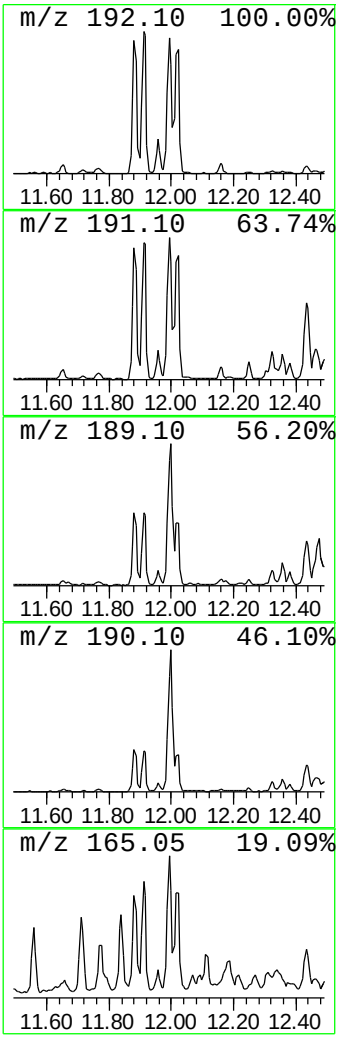
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	60.74 ng	5883590	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	55





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Sample : K2765-18
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Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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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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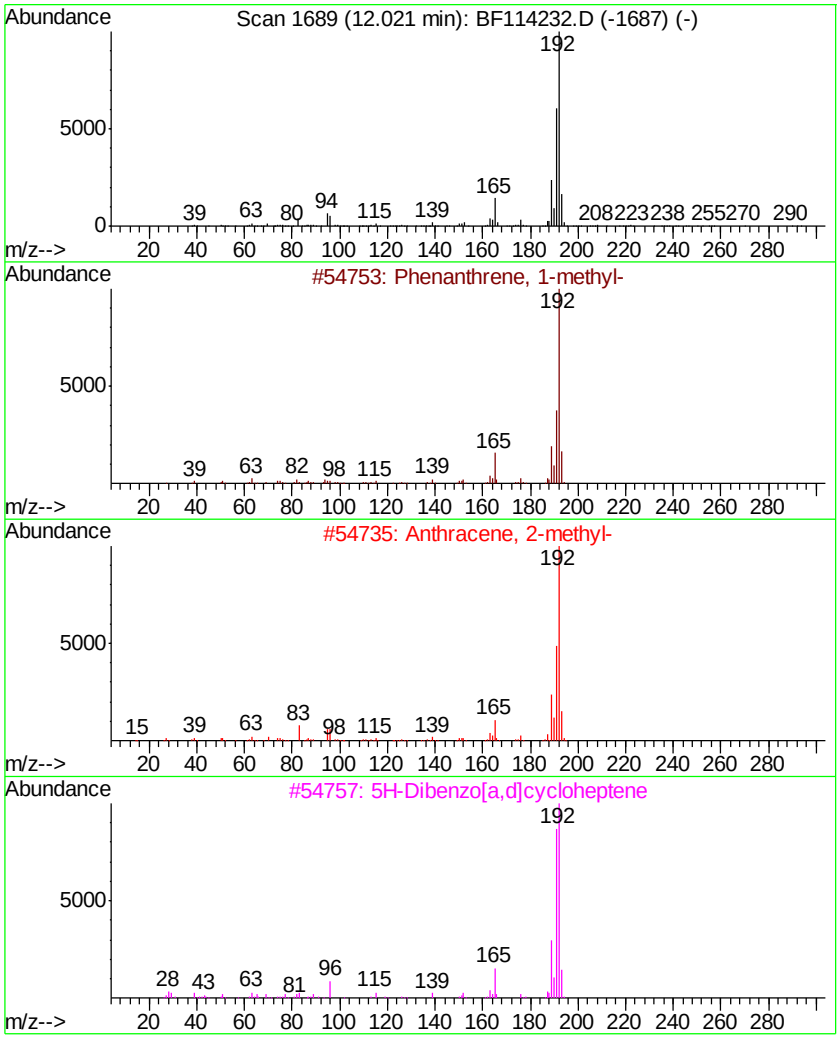
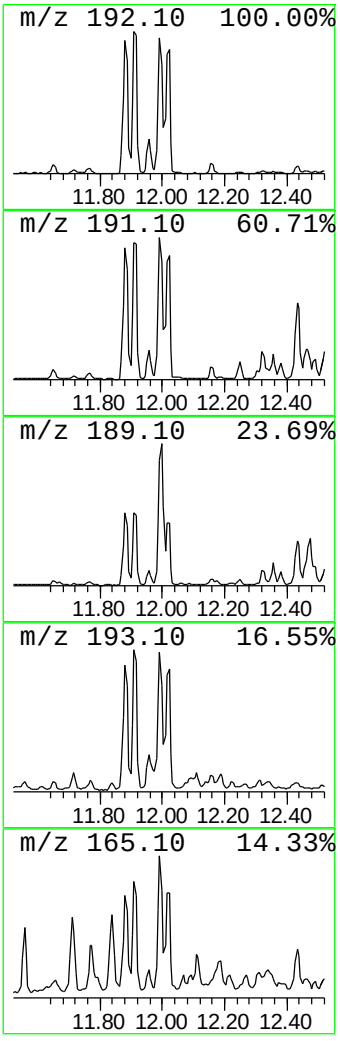
Peak Number 9 5H-Dibenzo[a,d]cycloheptene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	26.76 ng	2591630	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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ClientSampleId : P026-SS006-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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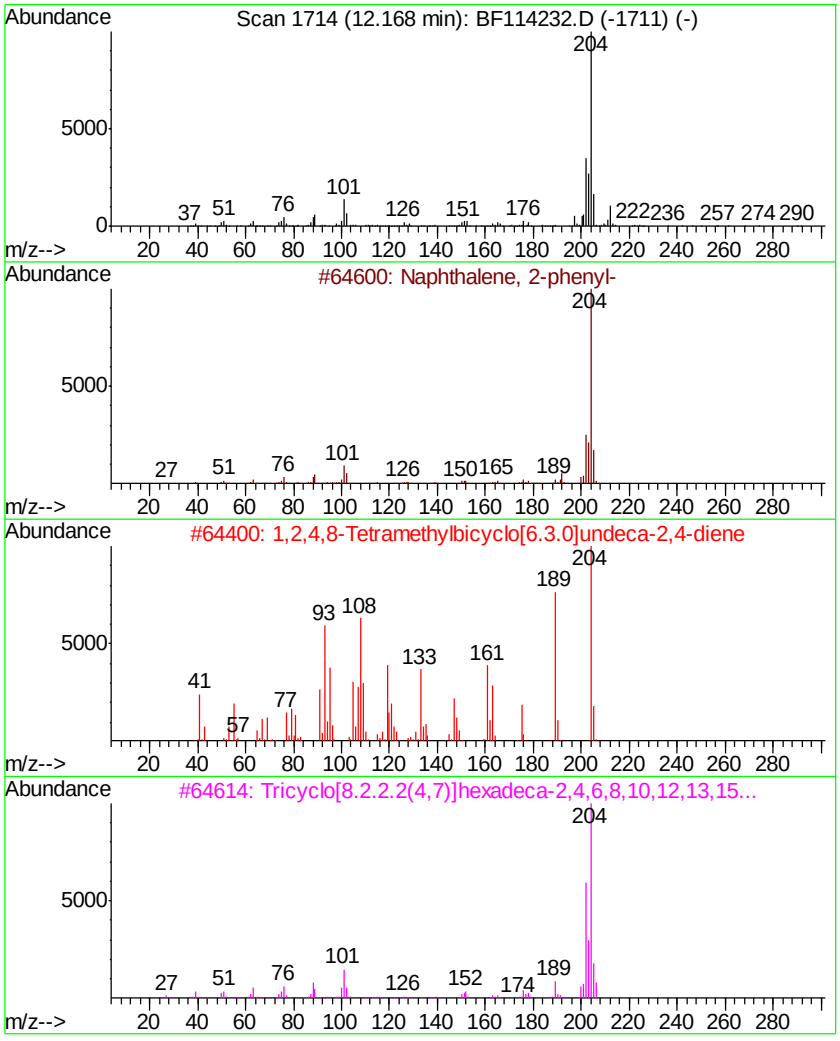
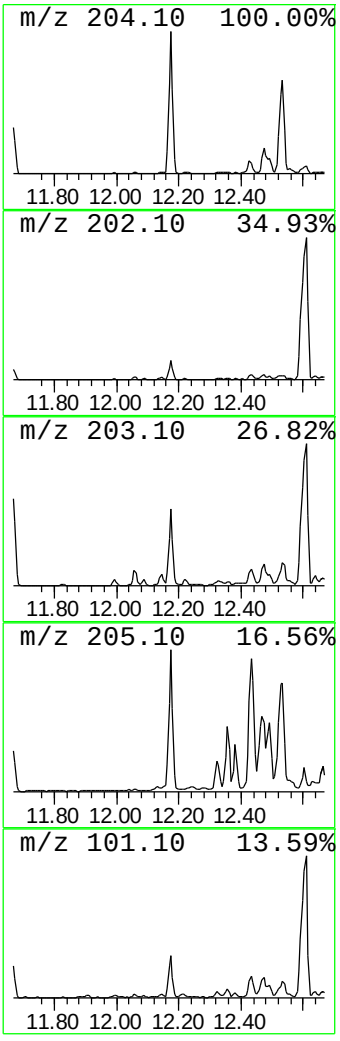
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	38.34 ng	3714140	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	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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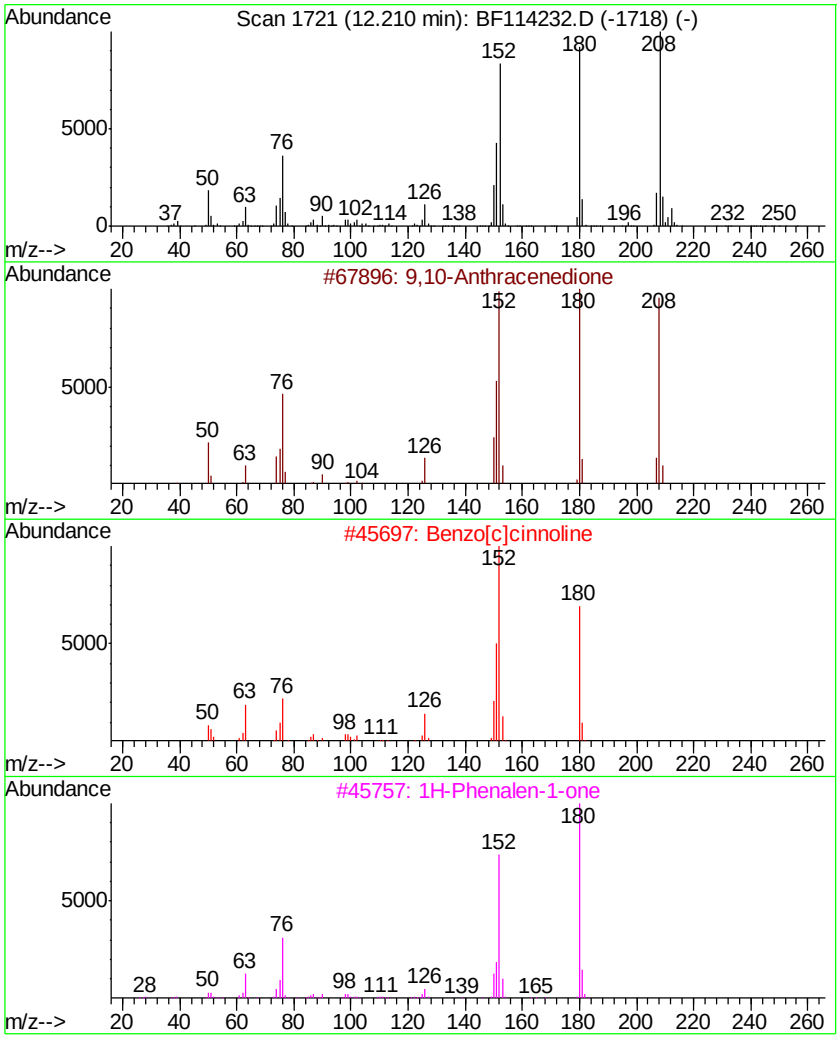
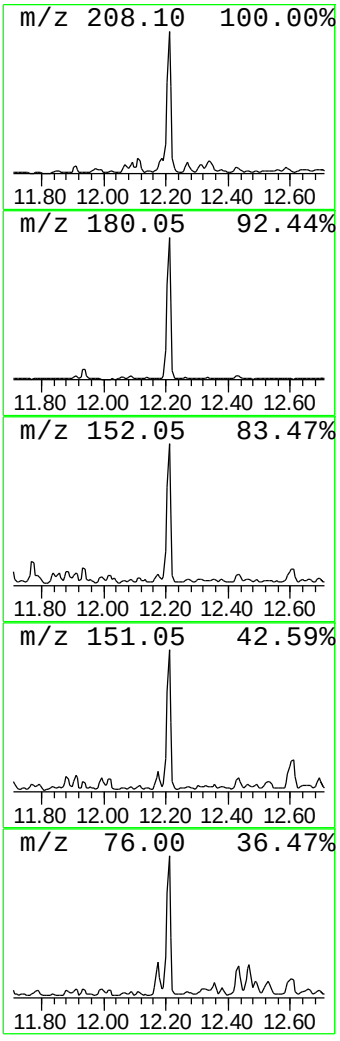
Peak Number 11 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	34.81 ng	3372220	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	92
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	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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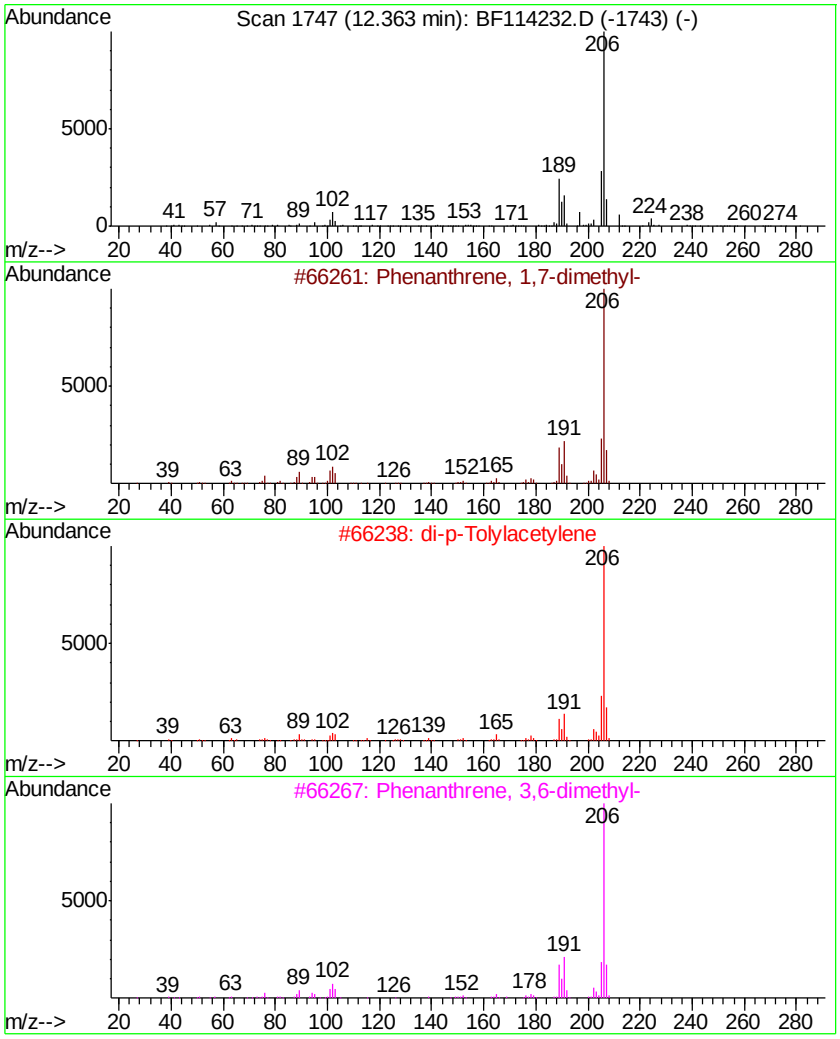
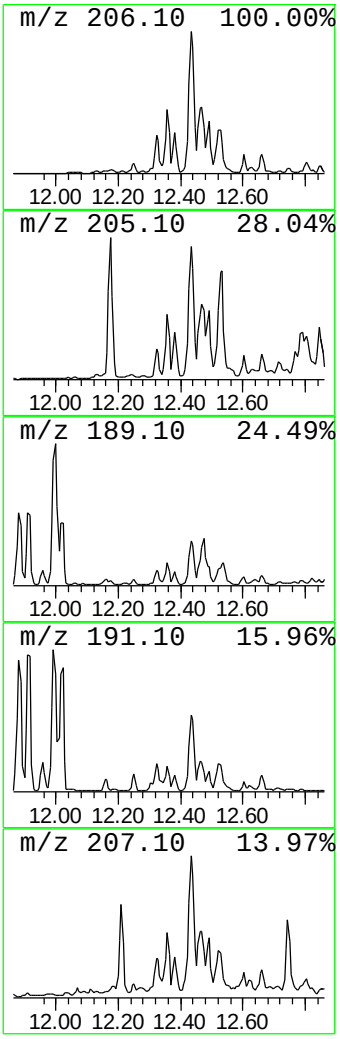
Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	11.87 ng	1149970	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	80





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Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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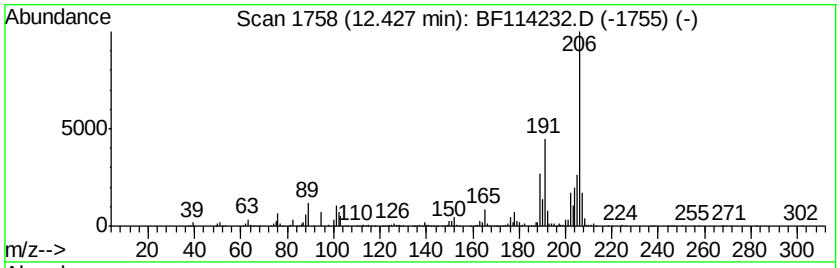
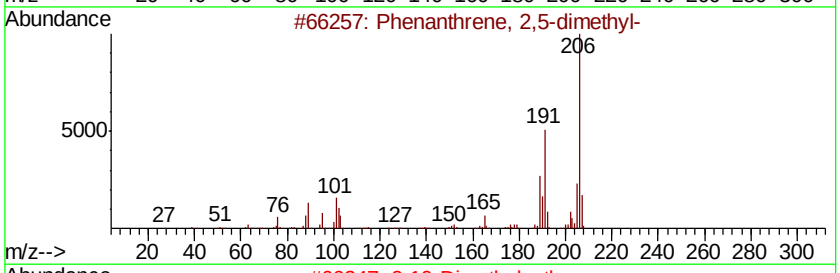
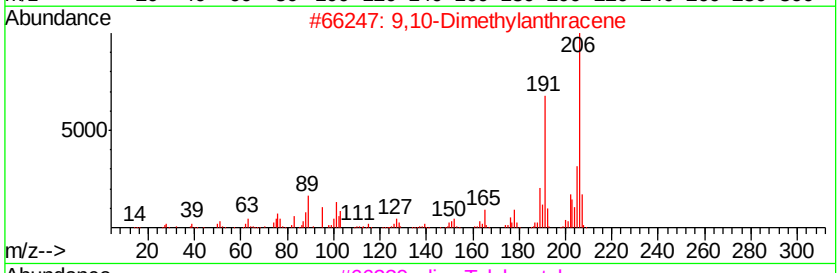
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

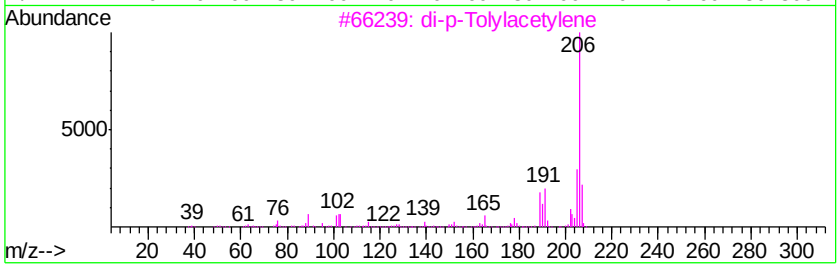
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	36.39 ng	3524500	Phenanthrene-d10	11.38

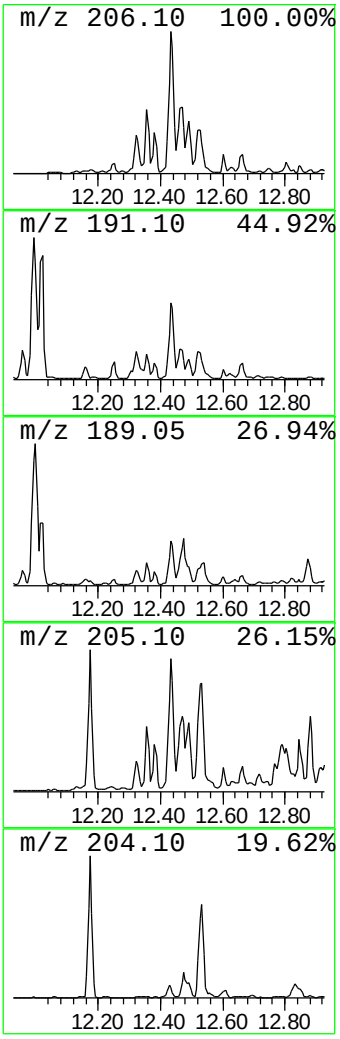
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89











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Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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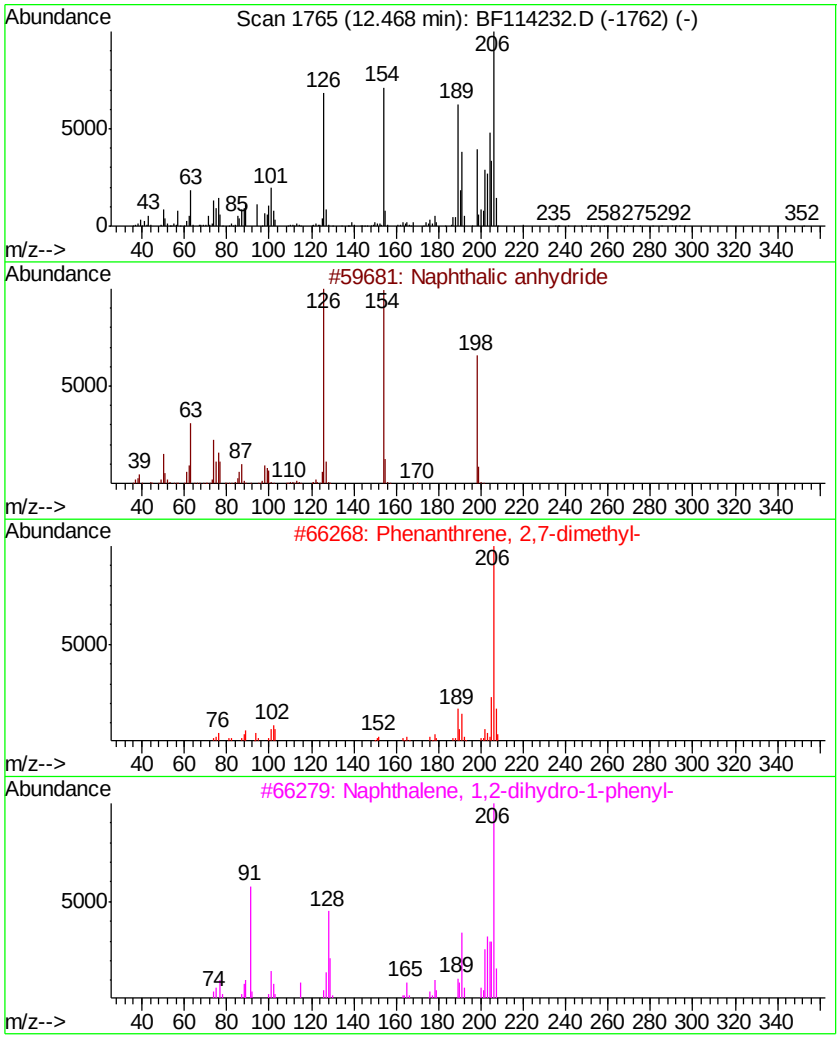
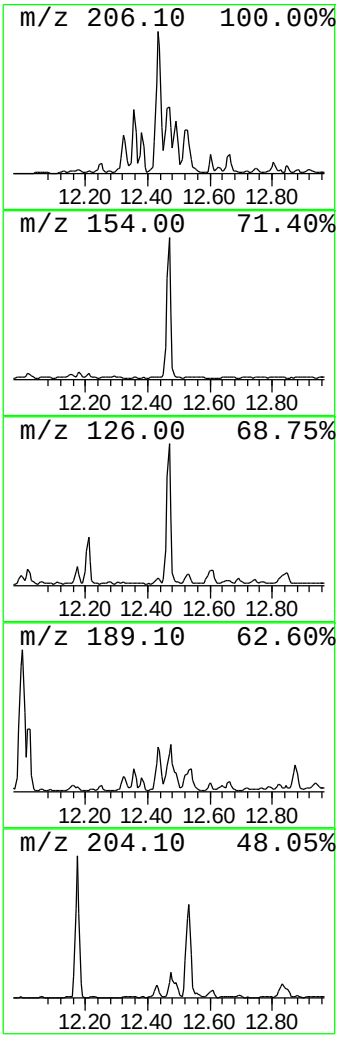
Peak Number 14 Naphthalic anhydride Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	30.73 ng	2976110	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	46
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	35
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	30





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Misc :
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ClientSampleId : P026-SS006-0002-01

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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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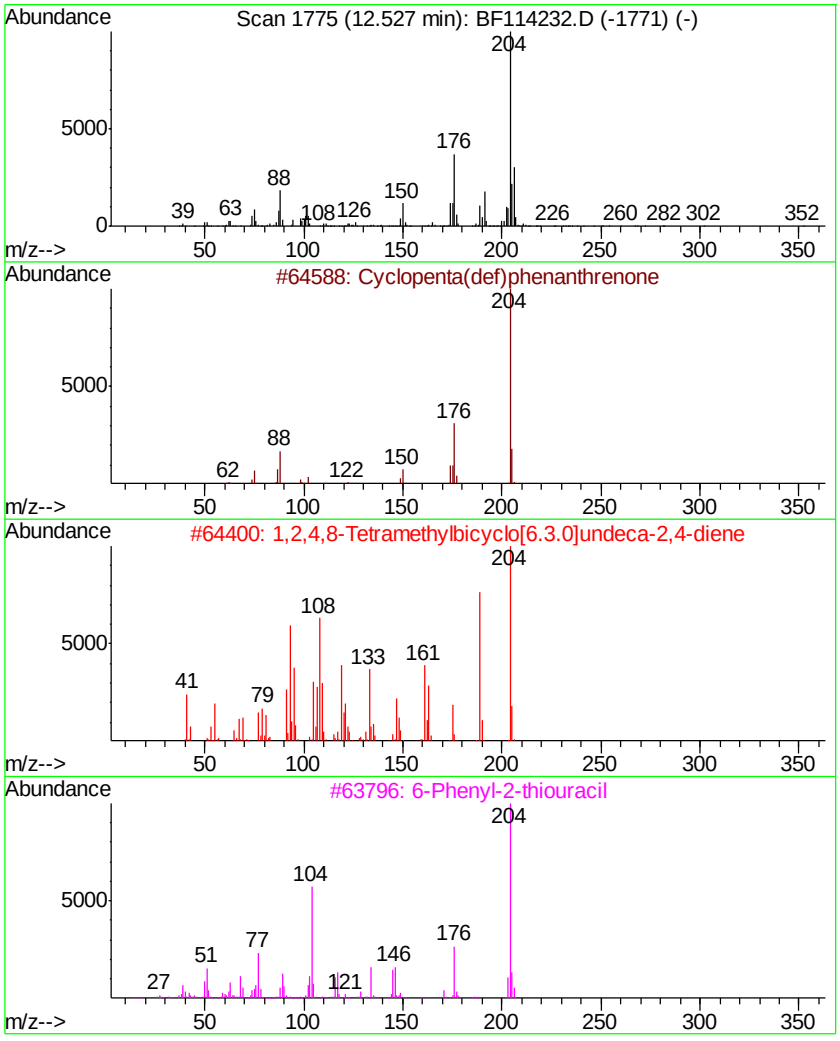
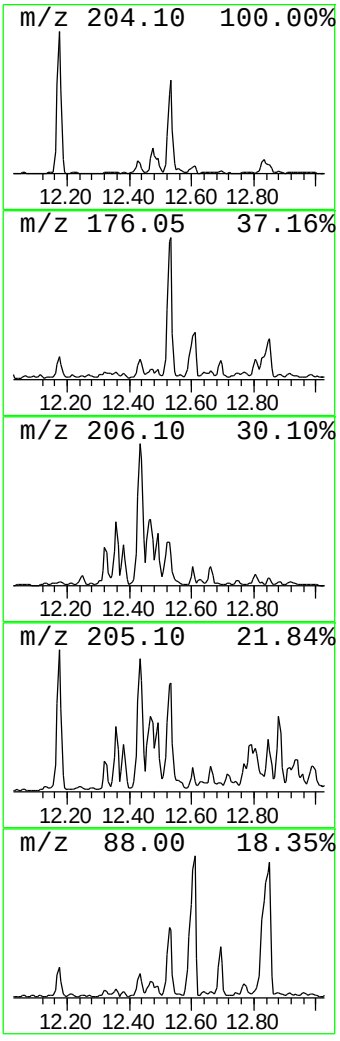
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	37.62 ng	3643550	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	47





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Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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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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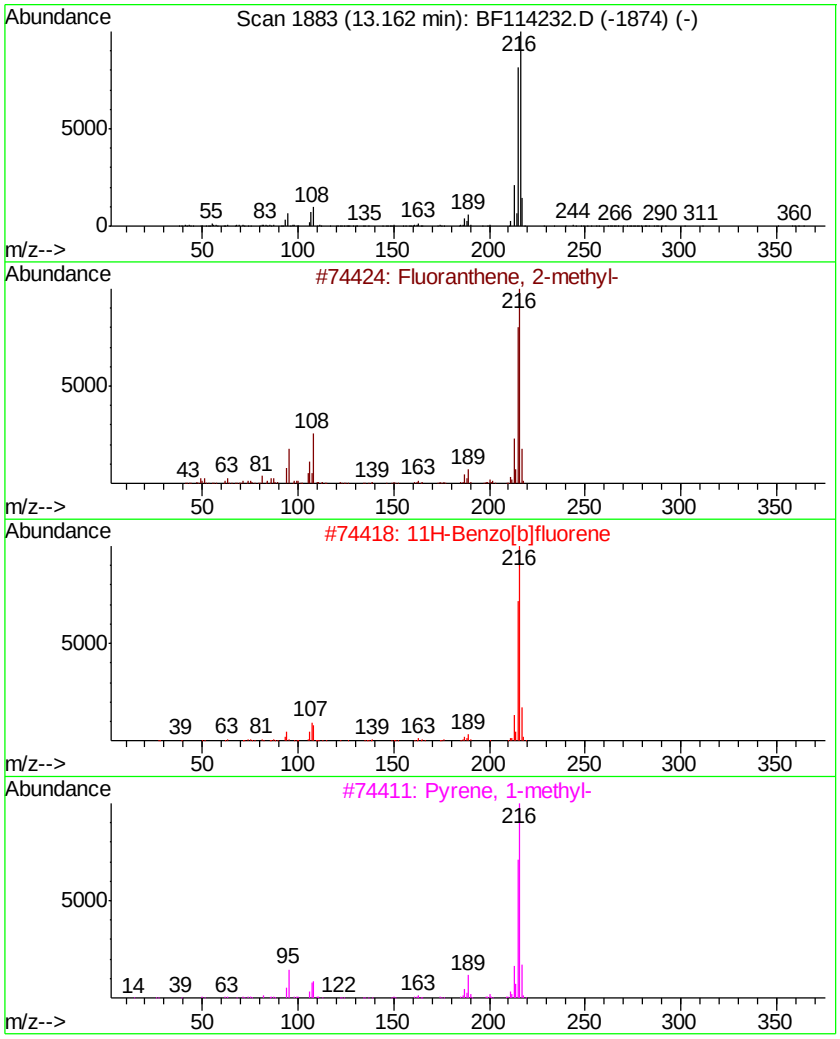
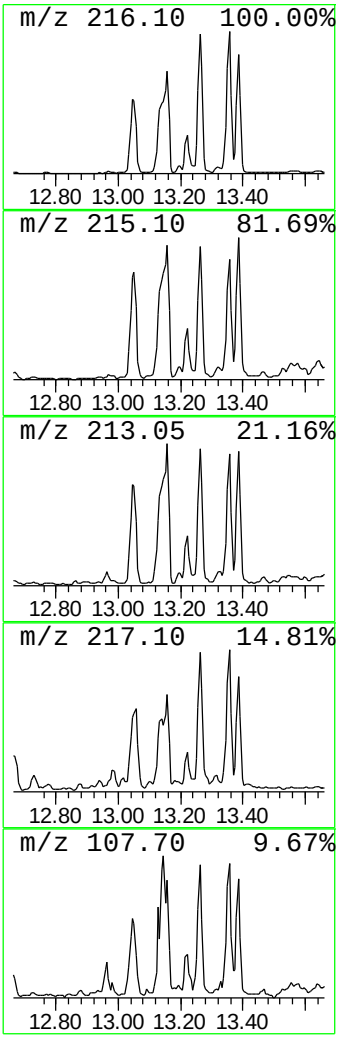
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	11.77 ng	6324630	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Sample : K2765-18
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ClientSampleId : P026-SS006-0002-01

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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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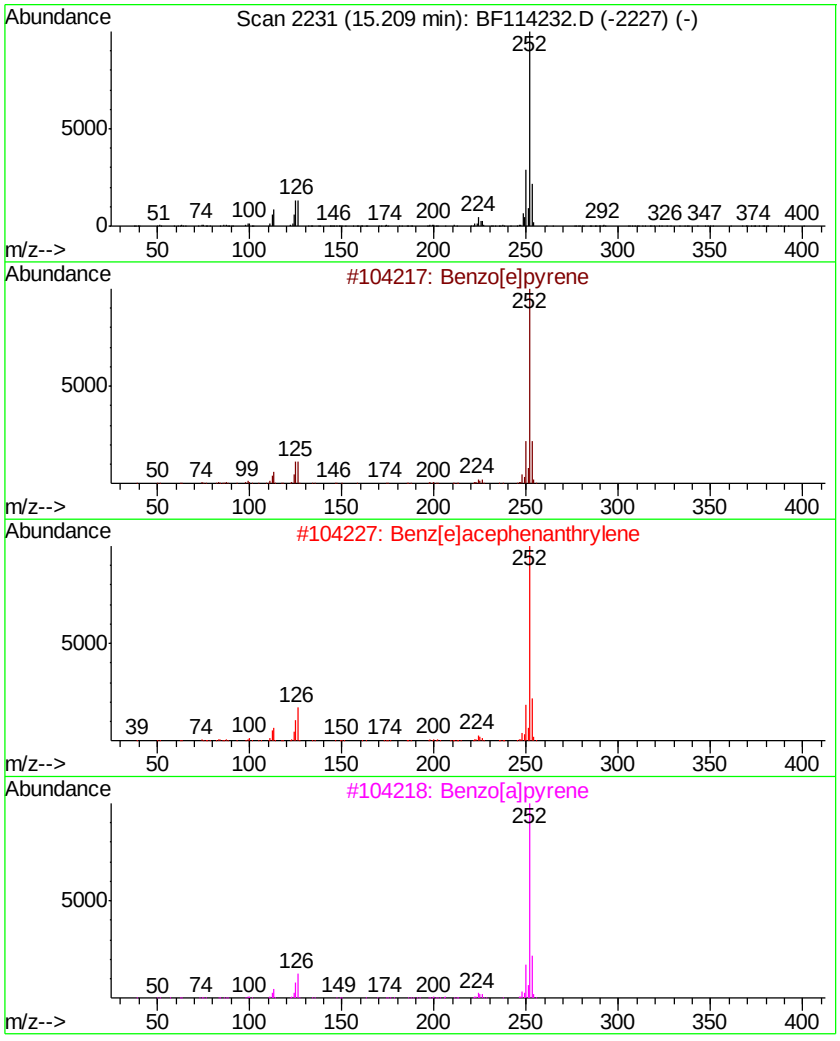
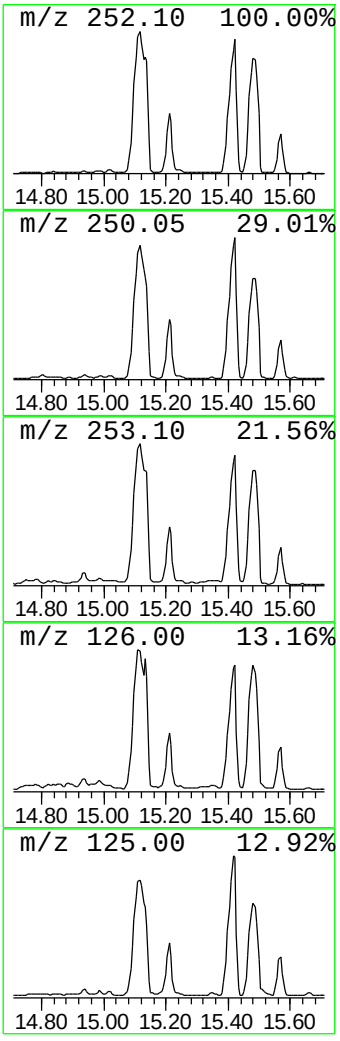
Peak Number 18 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	22.41 ng	2116820	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114232.D
Acq On : 13 May 2019 16:42
Operator : JU/SJ
Sample : K2765-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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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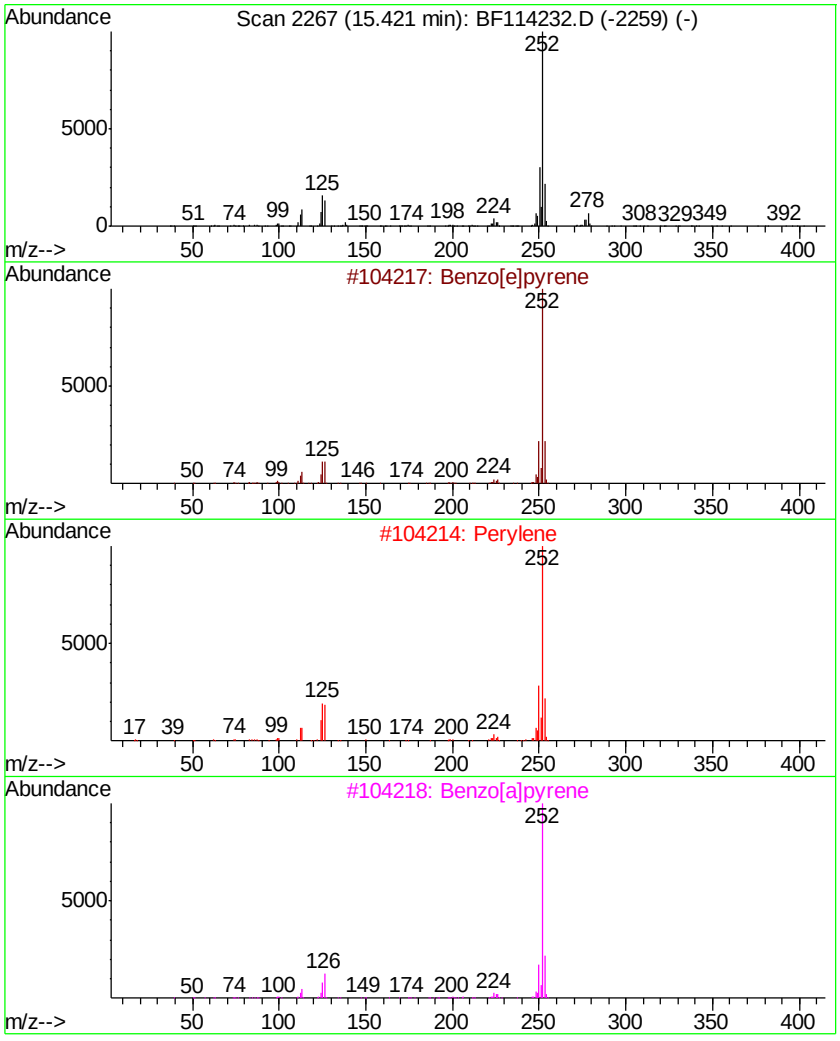
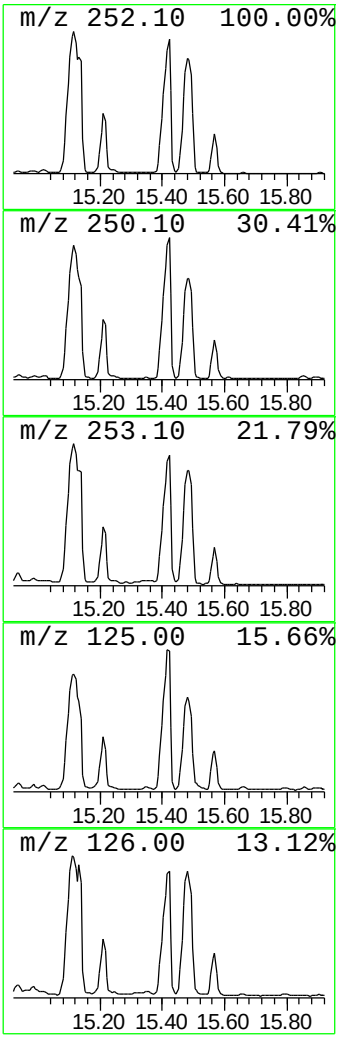
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	85.29 ng	8057010	Perylene-d12	15.54

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 : BF114232.D
Acq On : 13 May 2019 16:42
Operator : JU/SJ
Sample : K2765-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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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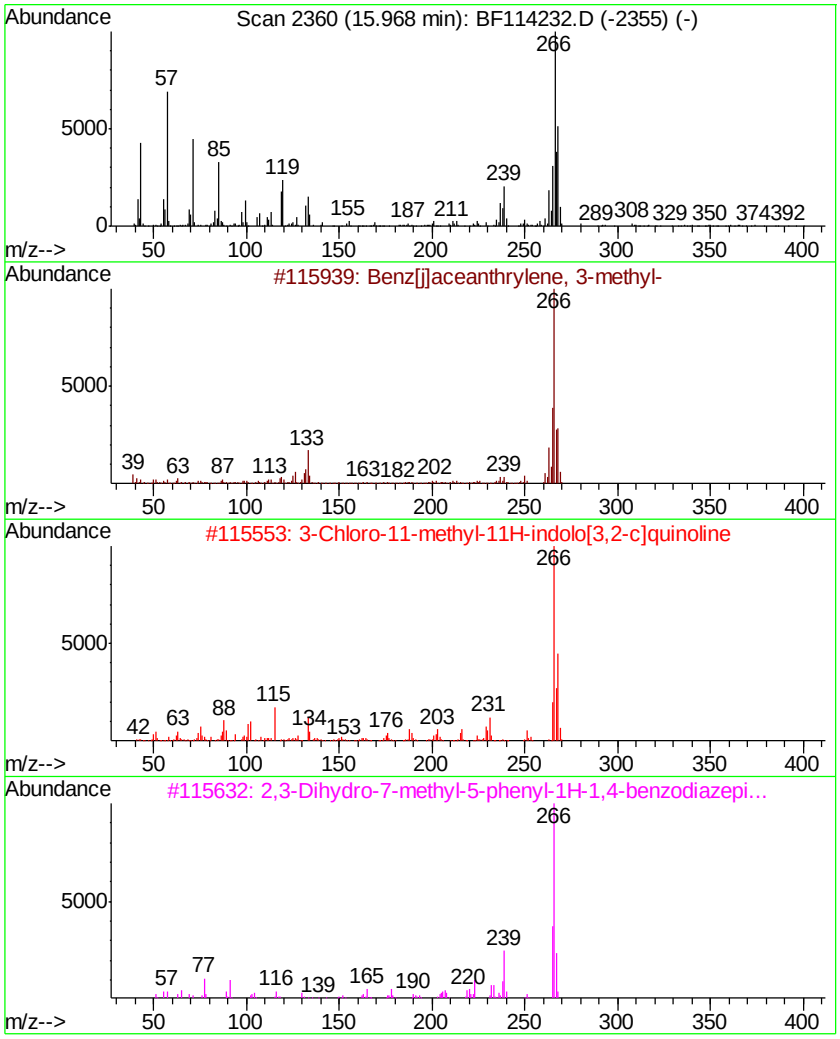
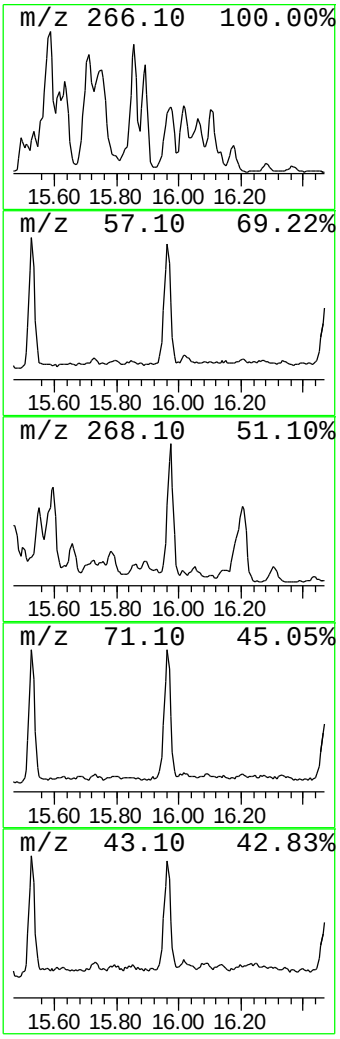
Peak Number 20 Benz[j]aceanthrylene, 3-met... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	12.87 ng	1215940	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	55
2	3-Chloro-11-methyl-11H-indolo[3,...	266	C16H11ClN2	155249-46-0	49
3	2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	47
4	5-Hydroxy-4-methoxy-6H-indolo[3,...	266	C15H10N2O3	018110-86-6	46
5	4H-1,2,4-Triazol-4-amine, 3,5-bi...	266	C14H14N6	1000350-00-5	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051319\
Data File : BF114232.D
Acq On : 13 May 2019 16:42
Operator : JU/SJ
Sample : K2765-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0002-01

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...	2.12	32.5	ng	2541730	1	6.86	1565000	20.0
unknown6.63	6.63	78.3	ng	6126380	1	6.86	1565000	20.0
Anthracene, 9-eth...	11.67	19.8	ng	1918690	4	11.38	1937250	20.0
1-Methyldibenzoth...	11.71	13.8	ng	1337740	4	11.38	1937250	20.0
Phenanthrene, 2-m...	11.88	40.0	ng	3870710	4	11.38	1937250	20.0
Phenanthrene, 1-m...	11.91	41.9	ng	4057060	4	11.38	1937250	20.0
Anthracene, 2-met...	11.99	60.7	ng	5883590	4	11.38	1937250	20.0
5H-Dibenzo[a,d]cy...	12.02	26.8	ng	2591630	4	11.38	1937250	20.0
Naphthalene, 2-ph...	12.17	38.3	ng	3714140	4	11.38	1937250	20.0
9,10-Anthracenedione	12.21	34.8	ng	3372220	4	11.38	1937250	20.0
Phenanthrene, 1,7...	12.36	11.9	ng	1149970	4	11.38	1937250	20.0
Phenanthrene, 2,5...	12.43	36.4	ng	3524500	4	11.38	1937250	20.0
Naphthalic anhydride	12.47	30.7	ng	2976110	4	11.38	1937250	20.0
Cyclopenta(def)ph...	12.53	37.6	ng	3643550	4	11.38	1937250	20.0
Fluoranthene, 2-m...	13.16	11.8	ng	6324630	5	14.04	10749100	20.0
Benzo[e]pyrene	15.21	22.4	ng	2116820	6	15.54	1889260	20.0
Perylene	15.42	85.3	ng	8057010	6	15.54	1889260	20.0
Benz[j]aceanthryl...	15.97	12.9	ng	1215940	6	15.54	1889260	20.0