LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114238.D
Acq On : 13 May 2019 19:18
Operator : JU/SJ
Sample : K2766-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0206-01

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	2.140	3	9	21	rVB	1228480	1724974	25.28%	1.372%
2	5.498	575	580	600	rVB	5790779	6374800	93.44%	5.070%
3	6.510	747	752	769	rBV	5691935	6822418	100.00%	5.426%
4	6.640	769	774	777	rBV	6182395	6503667	95.33%	5.173%
5	6.857	807	811	818	rVB	1754199	1525003	22.35%	1.213%
6	7.016	833	838	841	rBV	5606208	5066553	74.26%	4.030%
7	7.422	901	907	910	rBV	4239412	4383988	64.26%	3.487%
8	7.951	989	997	1003	rVB	76631	113055	1.66%	0.090%
9	8.134	1023	1028	1036	rBV	2034473	2017887	29.58%	1.605%
10	8.781	1132	1138	1143	rVV2	143835	230926	3.38%	0.184%
11	9.210	1206	1211	1214	rBV	7110192	6630775	97.19%	5.274%
12	9.604	1275	1278	1286	rVB2	848484	979746	14.36%	0.779%
13	9.751	1299	1303	1310	rBV	1214080	1035521	15.18%	0.824%
14	9.892	1323	1327	1330	rVB	2128221	1903810	27.91%	1.514%
15	10.198	1376	1379	1384	rBV3	100921	131484	1.93%	0.105%
16	10.345	1401	1404	1406	rBV	195257	174191	2.55%	0.139%
17	10.451	1417	1422	1426	rVB2	133494	200426	2.94%	0.159%
18	10.545	1432	1438	1443	rBV3	134048	190628	2.79%	0.152%
19	10.686	1457	1462	1465	rBV	4003415	4031090	59.09%	3.206%
20	10.804	1477	1482	1488	rBV2	284322	357839	5.25%	0.285%
21	10.980	1509	1512	1516	rBV5	113671	180361	2.64%	0.143%
22	11.139	1536	1539	1542	rBV	221803	190115	2.79%	0.151%
23	11.180	1544	1546	1549	rVB	151395	126581	1.86%	0.101%
24	11.239	1552	1556	1558	rVB3	122287	130579	1.91%	0.104%
25	11.269	1558	1561	1567	rVB2	227065	256167	3.75%	0.204%
26	11.375	1576	1579	1581	rBV	1944891	1859206	27.25%	1.479%
27	11.398	1581	1583	1589	rVB	1941460	1863681	27.32%	1.482%
28	11.451	1589	1592	1595	rVB	558823	446229	6.54%	0.355%
29	11.480	1595	1597	1601	rBV2	154642	183700	2.69%	0.146%
30	11.557	1604	1610	1613	rBV4	89634	133668	1.96%	0.106%
31	11.669	1623	1629	1632	rVB3	357709	465818	6.83%	0.370%
32	11.710	1633	1636	1640	rVB2	241250	225404	3.30%	0.179%
33	11.833	1654	1657	1661	rBV2	121246	155247	2.28%	0.123%
34	11.880	1661	1665	1667	rVV	842603	813539	11.92%	0.647%

LSC Area Percent Report

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Data File : BF114238.D
Acq On : 13 May 2019 19:18
Operator : JU/SJ
Sample : K2766-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0206-01

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	11.904	1667	1669	1673	rVV	1240371	1227259	17.99%	0.976%
36	11.957	1675	1678	1680	rVV	215420	218253	3.20%	0.174%
37	11.986	1680	1683	1686	rVV2	1150561	1301201	19.07%	1.035%
38	12.016	1686	1688	1691	rVB	691950	585250	8.58%	0.465%
39	12.069	1693	1697	1702	rVV4	198289	302419	4.43%	0.241%
40	12.110	1702	1704	1707	rVV2	237083	216676	3.18%	0.172%
41	12.175	1711	1715	1717	rVV2	687743	729639	10.69%	0.580%
42	12.204	1717	1720	1725	rVB2	774491	763417	11.19%	0.607%
43	12.304	1735	1737	1739	rBV	180756	189521	2.78%	0.151%
44	12.322	1739	1740	1743	rVV2	240157	211679	3.10%	0.168%
45	12.357	1743	1746	1748	rVV	320631	284652	4.17%	0.226%
46	12.380	1748	1750	1752	rVB	242805	188253	2.76%	0.150%
47	12.427	1752	1758	1761	rBV	1021848	1233158	18.08%	0.981%
48	12.463	1761	1764	1767	rVV4	512494	724839	10.62%	0.577%
49	12.486	1767	1768	1770	rVB	356870	195020	2.86%	0.155%
50	12.522	1770	1774	1778	rBV3	662124	781714	11.46%	0.622%
51	12.592	1781	1786	1790	rBV	3349828	3273288	47.98%	2.603%
52	12.633	1790	1793	1795	rBV2	238733	223295	3.27%	0.178%
53	12.657	1795	1797	1799	rVB2	164649	121387	1.78%	0.097%
54	12.686	1799	1802	1805	rBV	792435	668135	9.79%	0.531%
55	12.727	1806	1809	1811	rBV2	247662	248793	3.65%	0.198%
56	12.763	1813	1815	1820	rVB	443954	468397	6.87%	0.373%
57	12.827	1821	1826	1832	rBV	5309075	5399040	79.14%	4.294%
58	12.880	1832	1835	1838	rVB2	392245	425972	6.24%	0.339%
59	12.910	1838	1840	1842	rBV2	114675	114651	1.68%	0.091%
60	12.963	1845	1849	1852	rBV	4984329	4609600	67.57%	3.666%
61	13.039	1858	1862	1869	rBV3	768057	1262662	18.51%	1.004%
62	13.098	1869	1872	1874	rBV3	206530	200742	2.94%	0.160%
63	13.133	1874	1878	1879	rBV3	721724	925862	13.57%	0.736%
64	13.216	1890	1892	1896	rVB2	307345	231420	3.39%	0.184%
65	13.257	1896	1899	1903	rVB	1054102	884531	12.97%	0.704%
66	13.322	1907	1910	1912	rBV2	190468	206888	3.03%	0.165%
67	13.351	1912	1915	1917	rVV	982312	844365	12.38%	0.672%
68	13.380	1917	1920	1923	rVB	834960	714897	10.48%	0.569%
69	13.433	1926	1929	1931	rVB	321970	282000	4.13%	0.224%
70	13.469	1932	1935	1938	rVB2	183045	182655	2.68%	0.145%
71	13.527	1942	1945	1947	rBV3	189984	192431	2.82%	0.153%

LSC Area Percent Report

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Acq On : 13 May 2019 19:18
Operator : JU/SJ
Sample : K2766-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0206-01

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

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Peak separation: 5

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

72	13.663	1965	1968	1971	rBV	595540	552917	8.10%	0.440%
73	13.721	1976	1978	1983	rVV	460592	713388	10.46%	0.567%
74	13.769	1983	1986	1989	rVV2	615143	666460	9.77%	0.530%
75	13.798	1989	1991	1993	rVB	832687	620437	9.09%	0.493%
76	13.827	1993	1996	1998	rBV	708644	575817	8.44%	0.458%
77	13.851	1998	2000	2002	rBV	376460	386108	5.66%	0.307%
78	14.021	2024	2029	2033	rBV2	3152837	5120642	75.06%	4.073%
79	14.057	2033	2035	2038	rVV	3297051	2640926	38.71%	2.101%
80	14.116	2042	2045	2049	rBV3	261705	293367	4.30%	0.233%
81	14.151	2049	2051	2053	rBV3	216386	182109	2.67%	0.145%
82	14.174	2053	2055	2058	rBV	879466	868604	12.73%	0.691%
83	14.286	2072	2074	2077	rVB3	195879	207378	3.04%	0.165%
84	14.386	2088	2091	2093	rBV	324747	343019	5.03%	0.273%
85	14.421	2093	2097	2100	rVV	1005242	1408250	20.64%	1.120%
86	14.457	2100	2103	2107	rVV2	774320	1047437	15.35%	0.833%
87	14.504	2107	2111	2116	rVV3	773788	1439721	21.10%	1.145%
88	14.557	2116	2120	2121	rVV2	749406	852324	12.49%	0.678%
89	14.574	2121	2123	2126	rVV2	624009	606552	8.89%	0.482%
90	14.621	2129	2131	2135	rVB	482084	487297	7.14%	0.388%
91	15.098	2206	2212	2215	rBV	2755061	4648544	68.14%	3.697%
92	15.145	2218	2220	2223	rVV	289375	281244	4.12%	0.224%
93	15.198	2226	2229	2234	rVB	633668	764311	11.20%	0.608%
94	15.404	2258	2264	2269	rVB	2382014	3171662	46.49%	2.523%
95	15.468	2269	2275	2278	rBV	2497130	3290650	48.23%	2.617%
96	15.521	2278	2284	2287	rVV2	1139821	1619876	23.74%	1.288%
97	15.557	2287	2290	2297	rVB2	384607	686577	10.06%	0.546%
98	16.092	2378	2381	2385	rVB	264273	316376	4.64%	0.252%
99	17.009	2530	2537	2543	rVB	1005036	1931802	28.32%	1.537%
100	17.462	2607	2614	2626	rVB	907736	1940278	28.44%	1.543%

Sum of corrected areas: 125727110

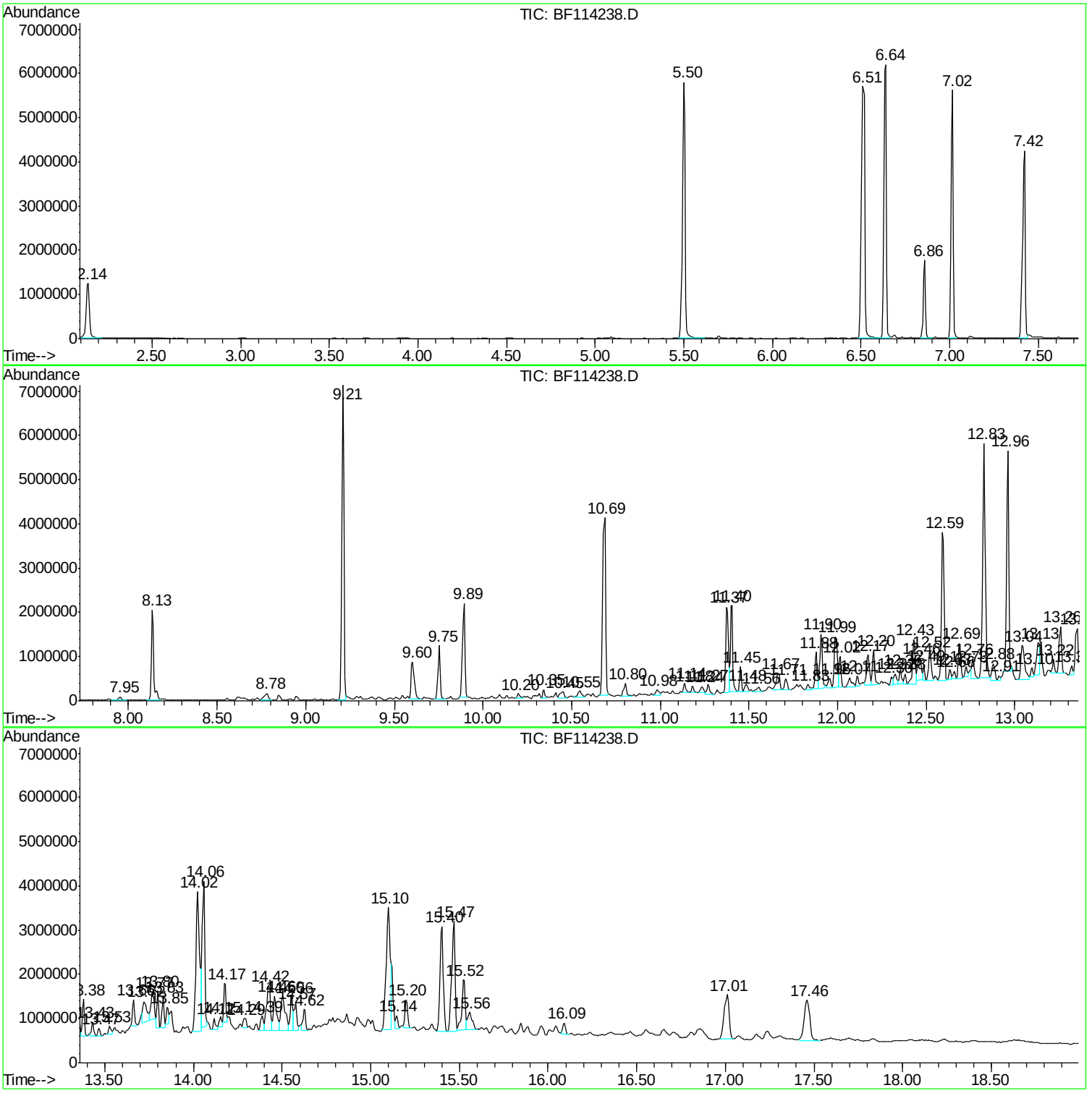
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114238.D
Acq On : 13 May 2019 19:18
Operator : JU/SJ
Sample : K2766-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0206-01

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\BF051319\
Data File : BF114238.D
Acq On : 13 May 2019 19:18
Operator : JU/SJ
Sample : K2766-01
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS006-0206-01

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

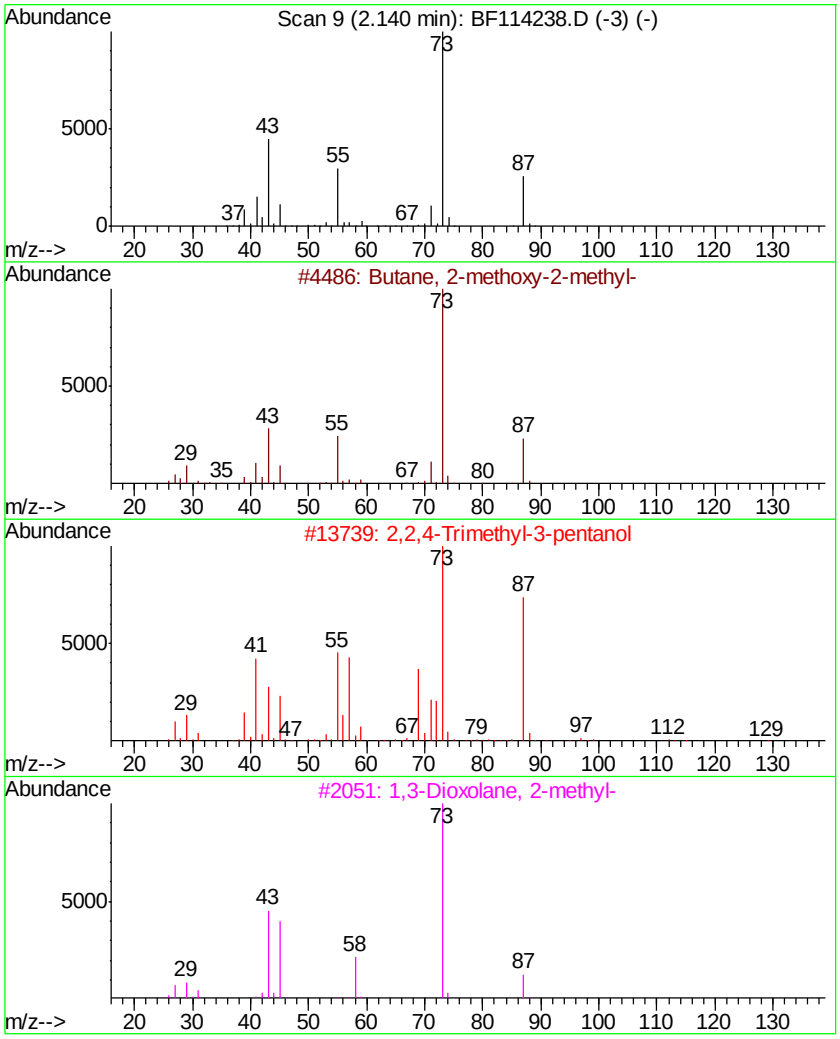
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

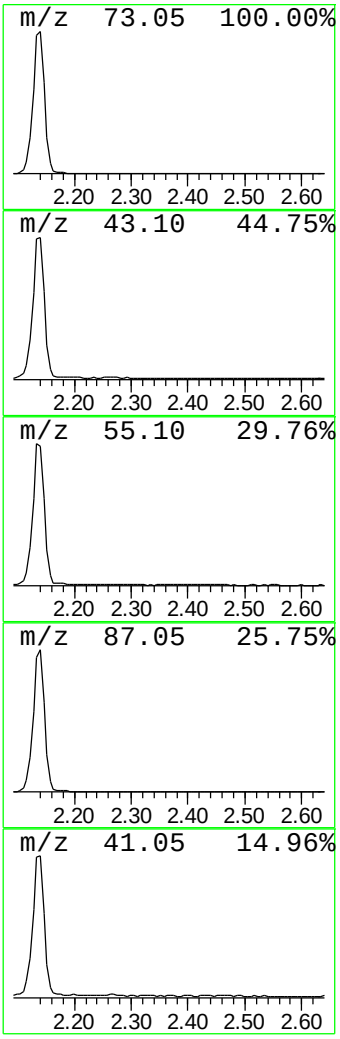
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	22.62 ng	1724970	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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Library Search Compound Report

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Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS006-0206-01

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

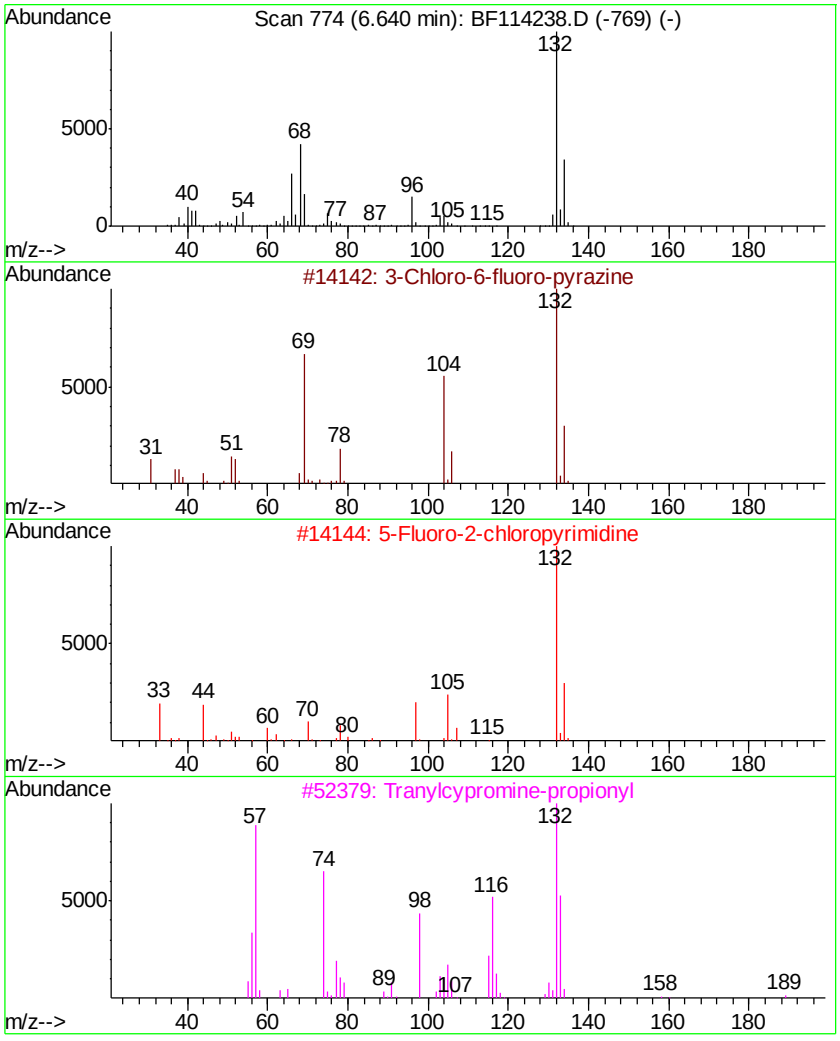
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

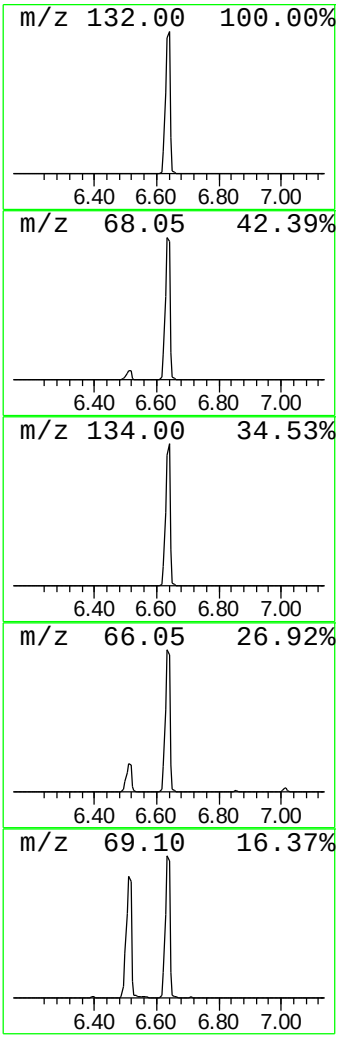
****

Peak Number 2 unknown6.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	85.29 ng	6503670	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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : P026-SS006-0206-01

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

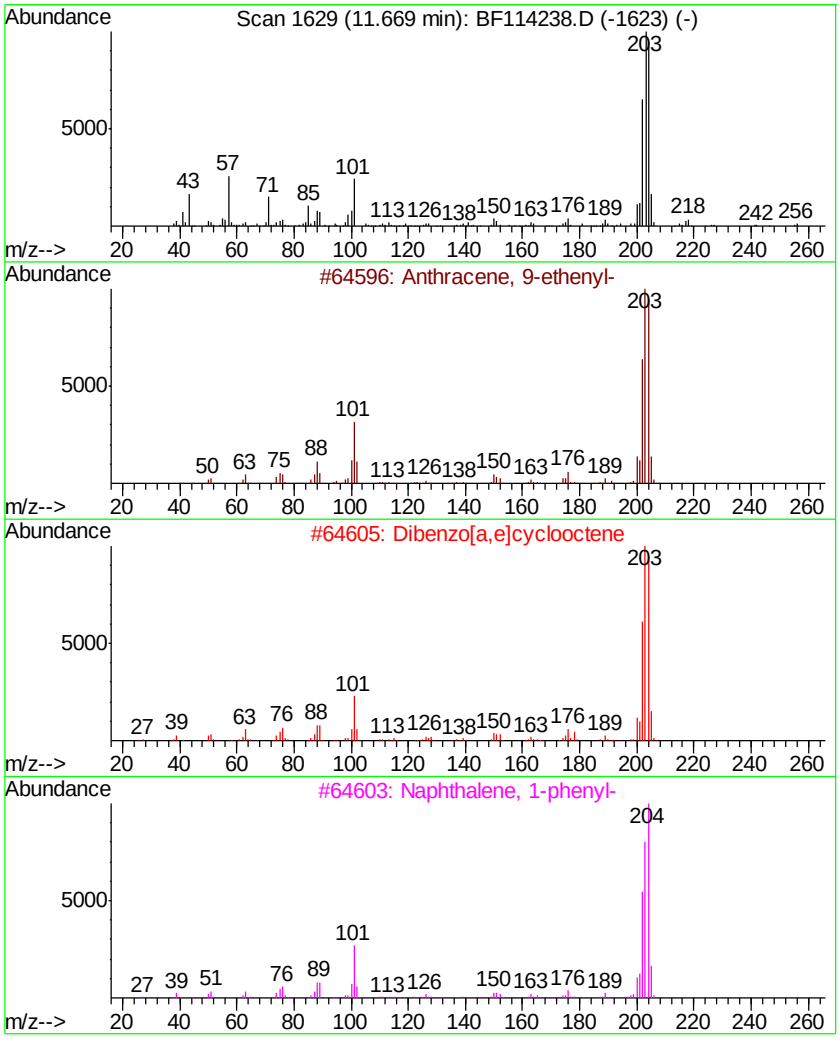
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

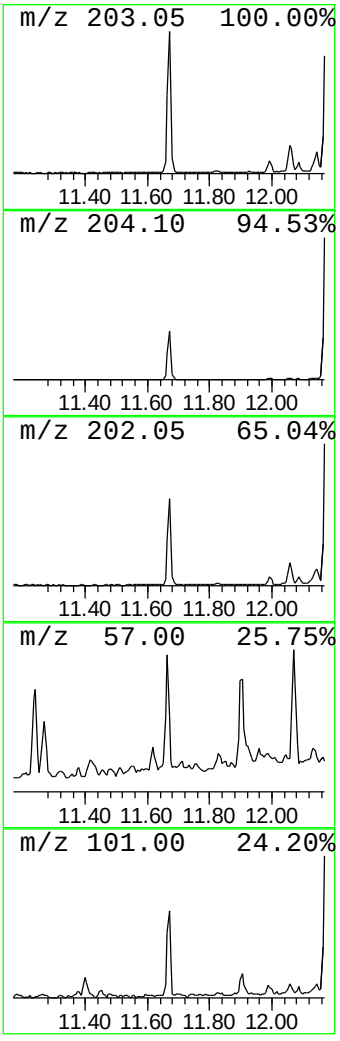
****

Peak Number 4 Anthracene, 9-ethenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	5.01 ng	465818	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	95
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	94
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	89
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	76
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114238.D
Acq On : 13 May 2019 19:18
Operator : JU/SJ
Sample : K2766-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0206-01

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

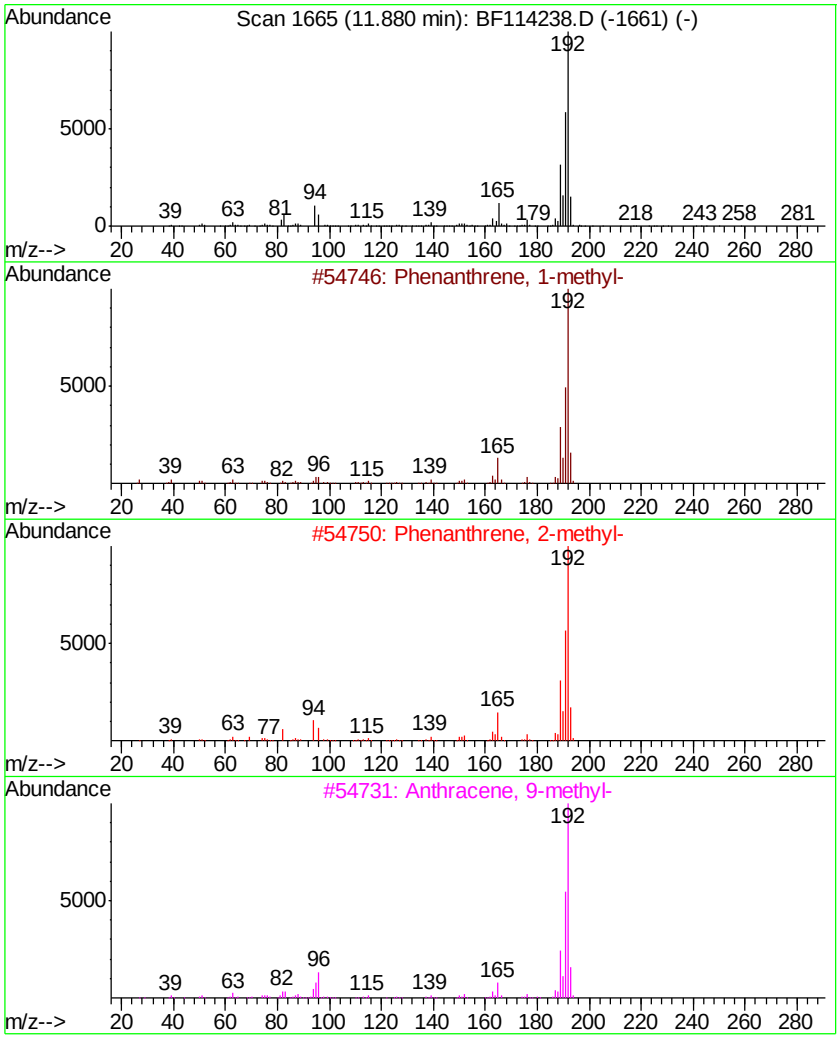
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

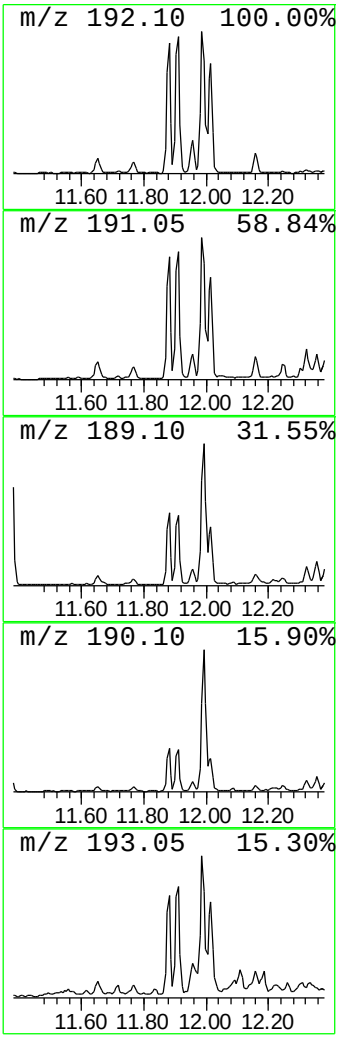
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	8.75 ng	813539	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114238.D
Acq On : 13 May 2019 19:18
Operator : JU/SJ
Sample : K2766-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0206-01

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

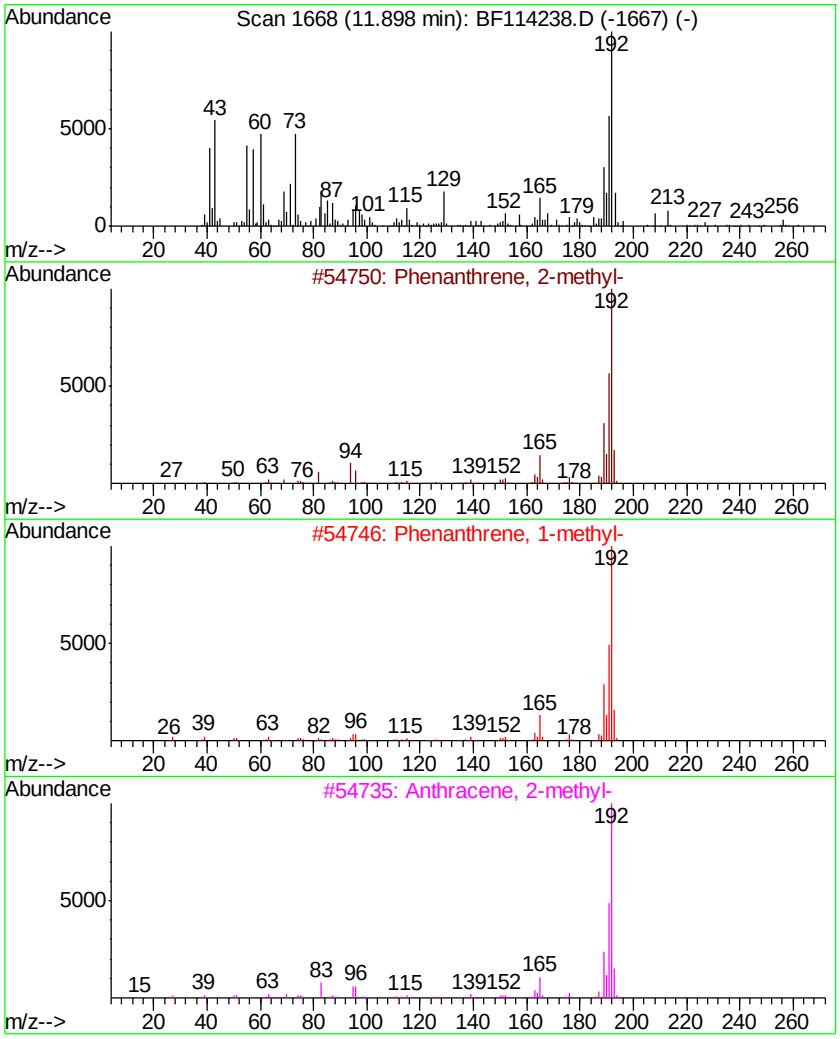
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

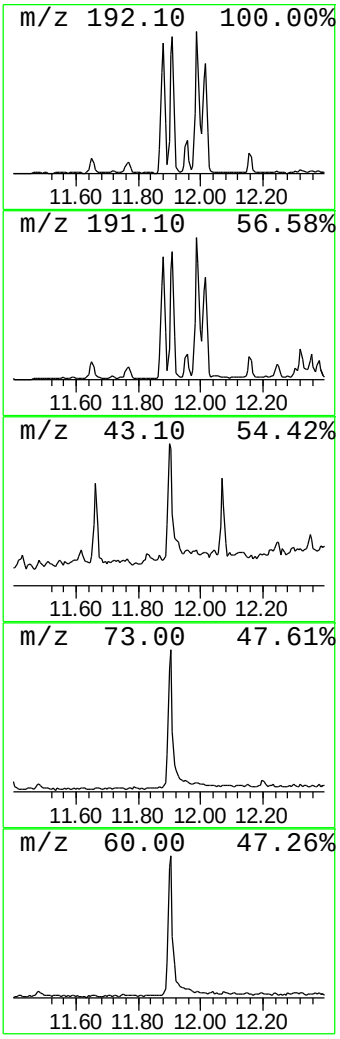
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	13.20 ng	1227260	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Acq On : 13 May 2019 19:18
Operator : JU/SJ
Sample : K2766-01
Misc :
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ClientSampleId : P026-SS006-0206-01

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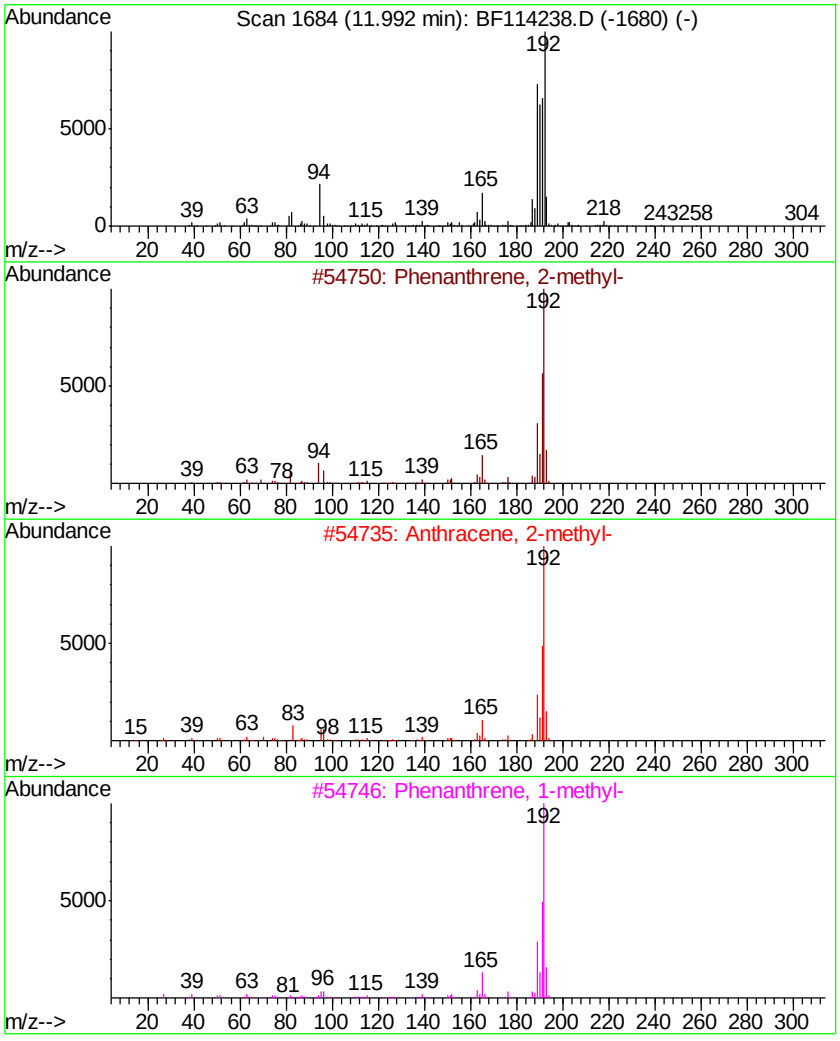
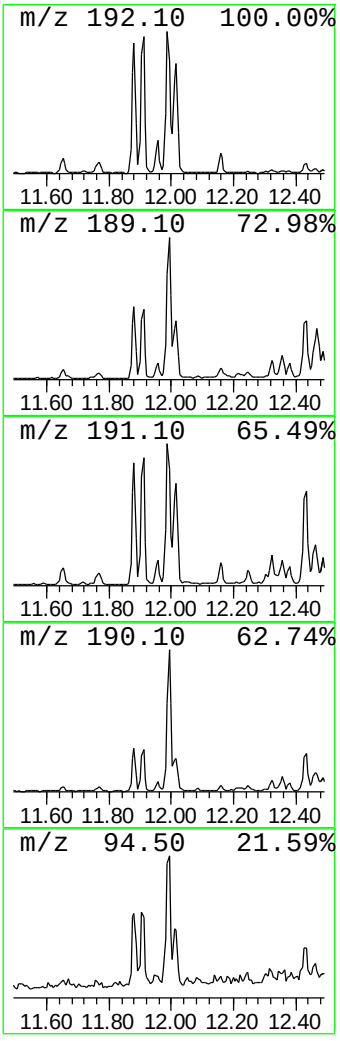
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	14.00 ng	1301200	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70





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Sample : K2766-01
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS006-0206-01

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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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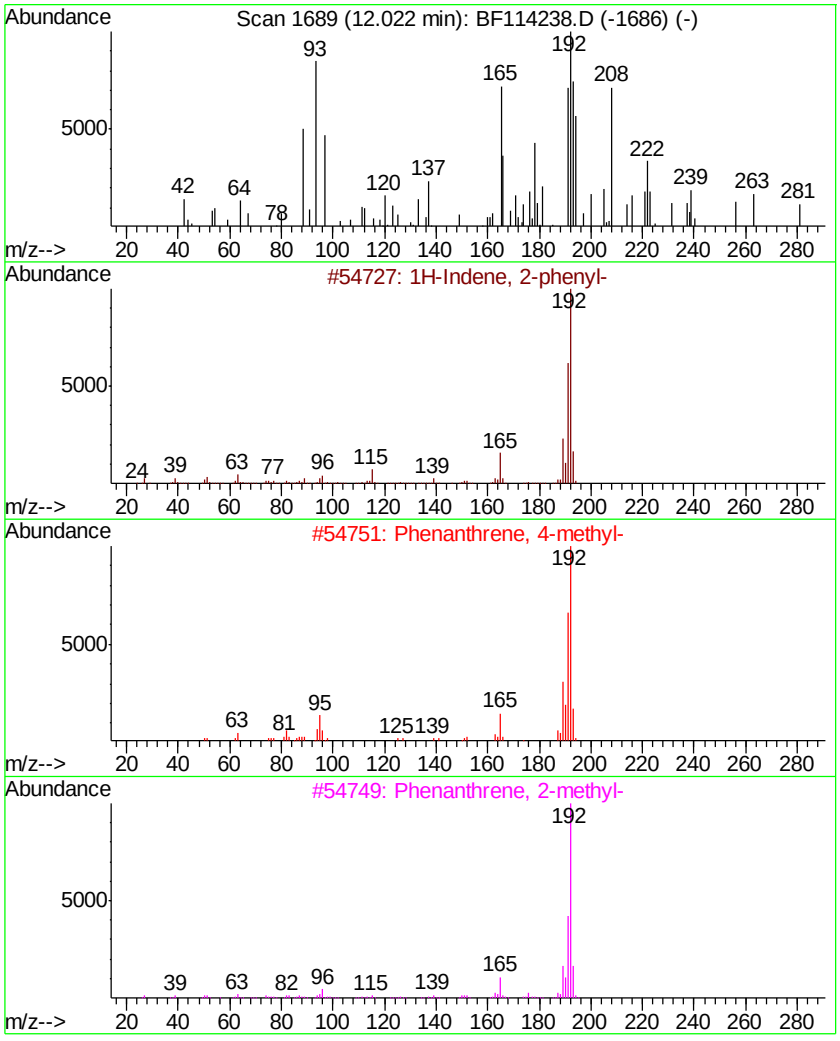
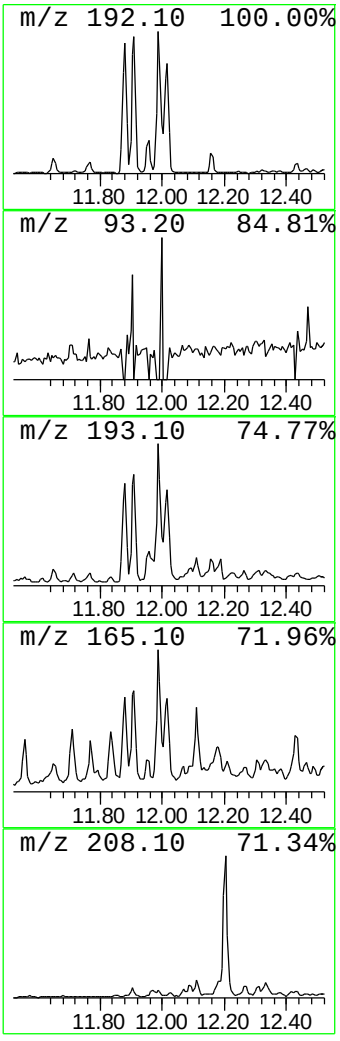
Peak Number 8 1H-Indene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	6.30 ng	585250	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76





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Sample : K2766-01
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Instrument : BNA_F
ClientSampleId : P026-SS006-0206-01

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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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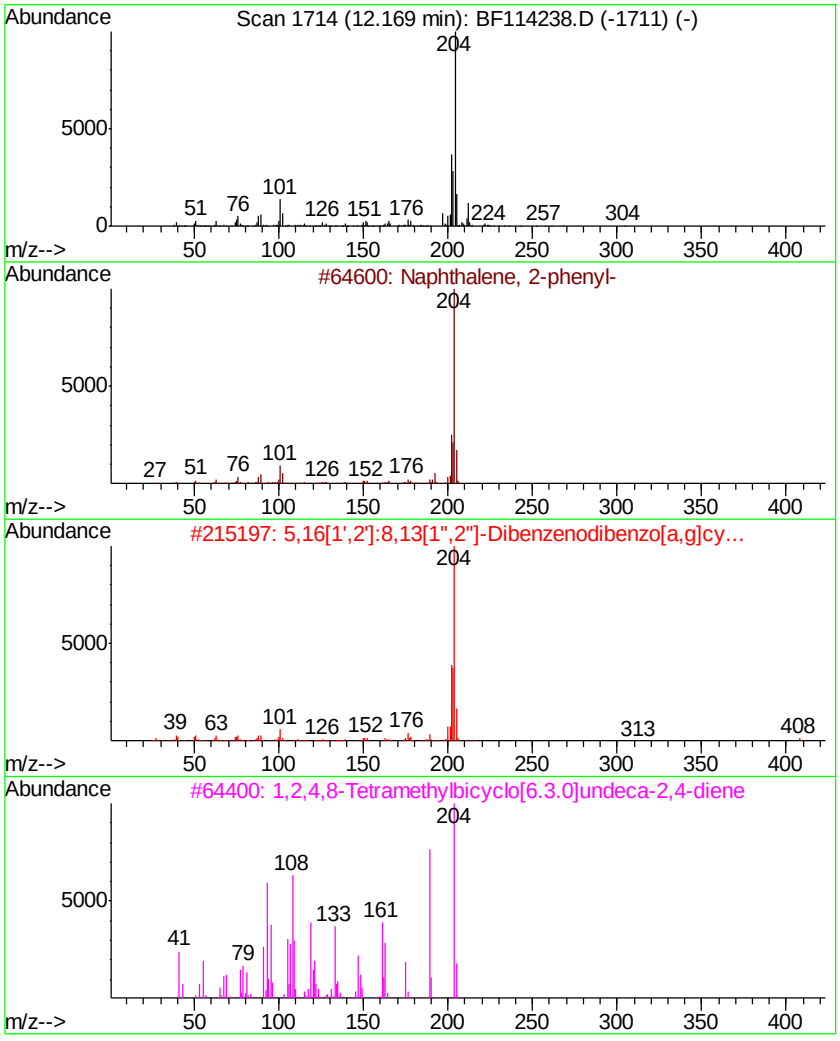
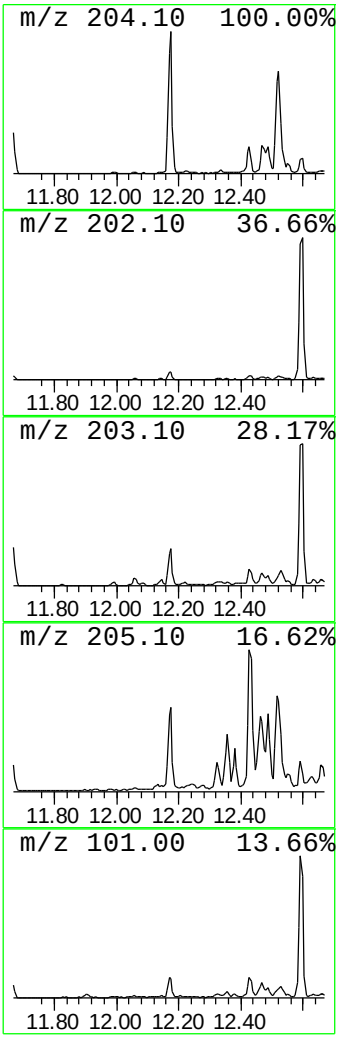
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	7.85 ng	729639	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52





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ClientSampleId : P026-SS006-0206-01

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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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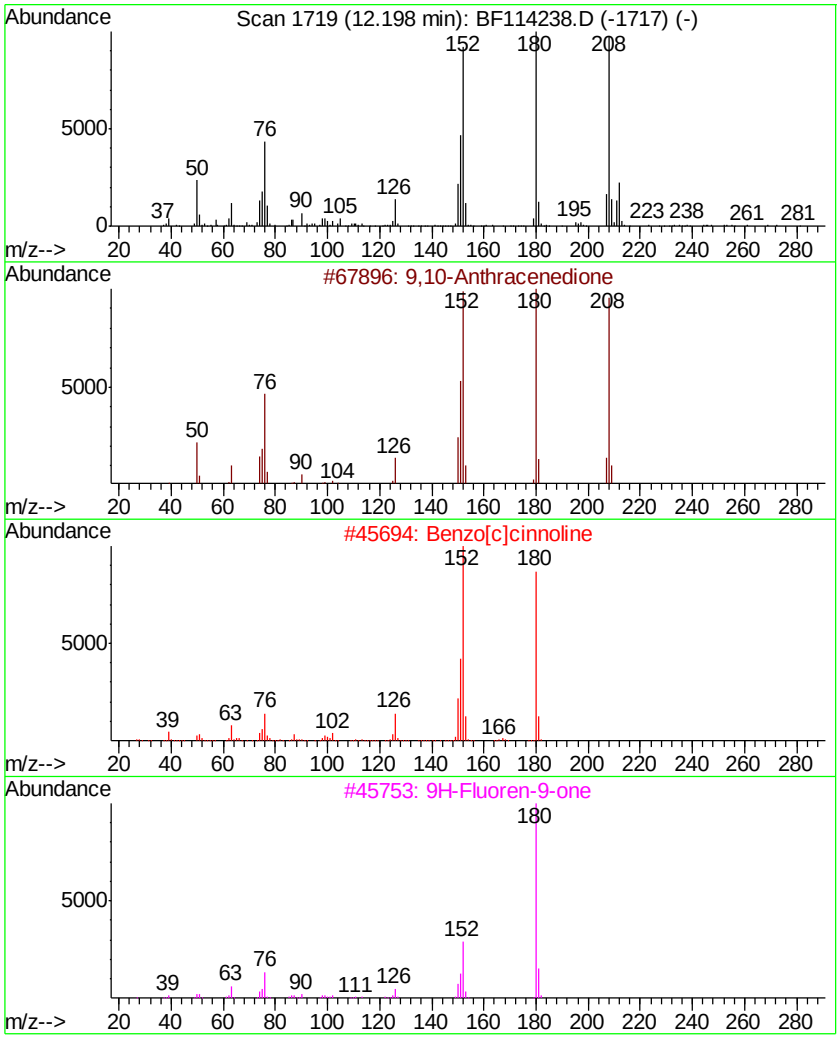
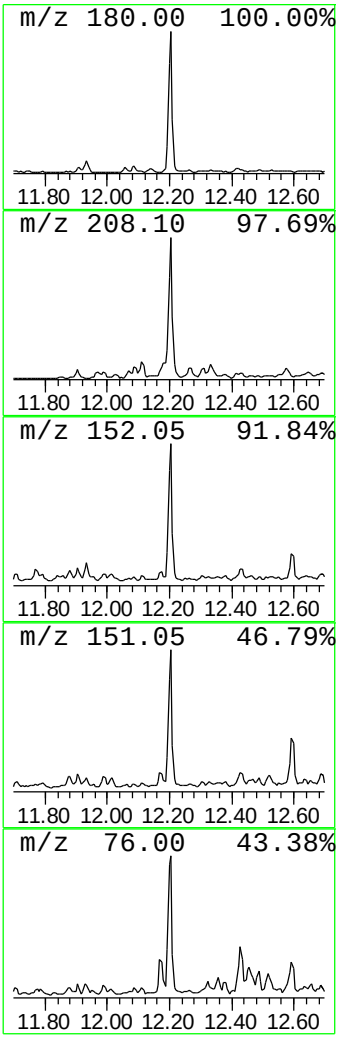
Peak Number 10 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	8.21 ng	763417	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55





Library Search Compound Report

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Sample : K2766-01
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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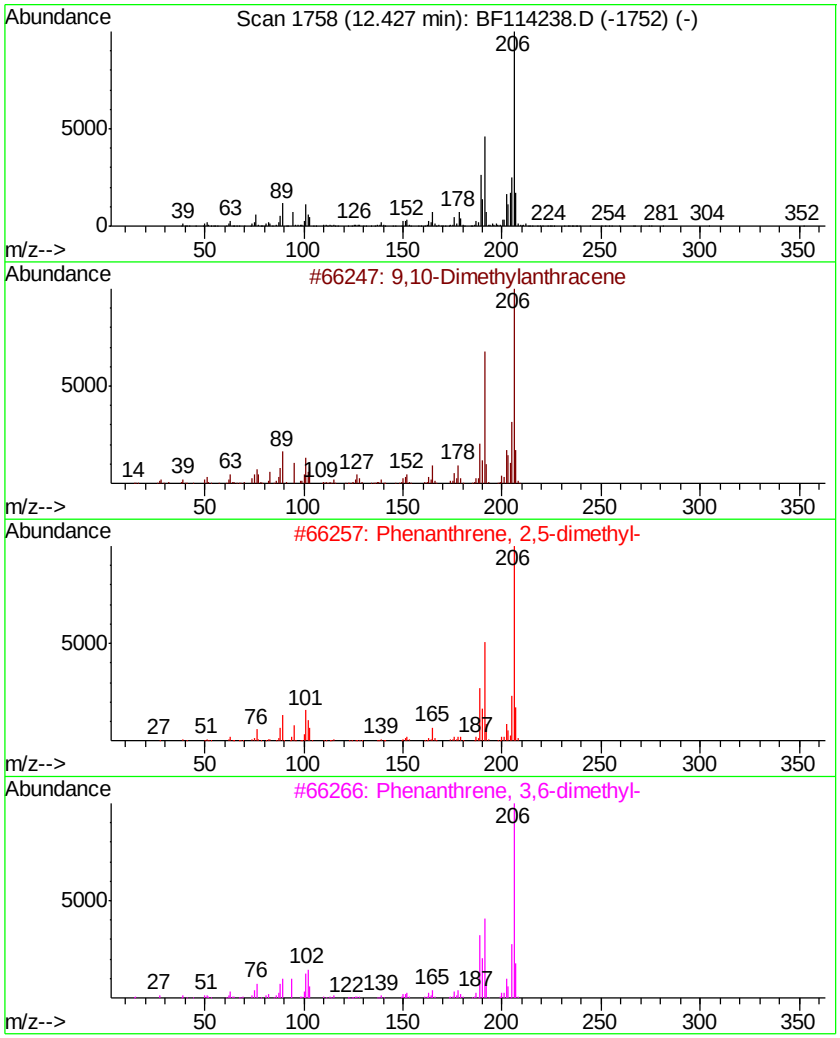
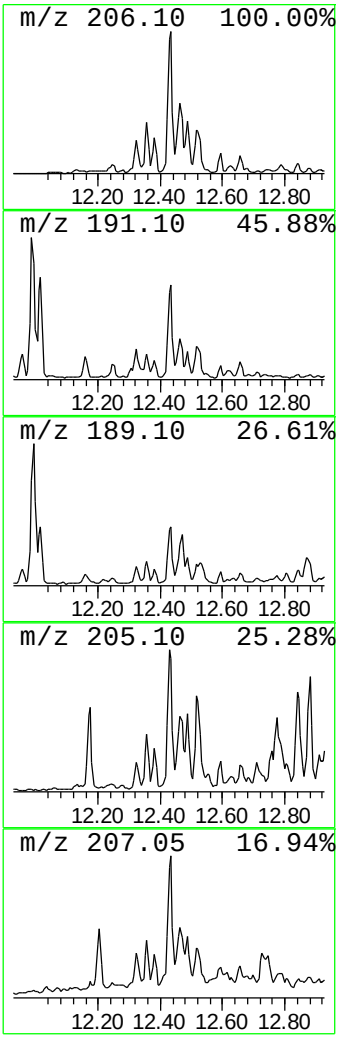
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	13.27 ng	1233160	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	98
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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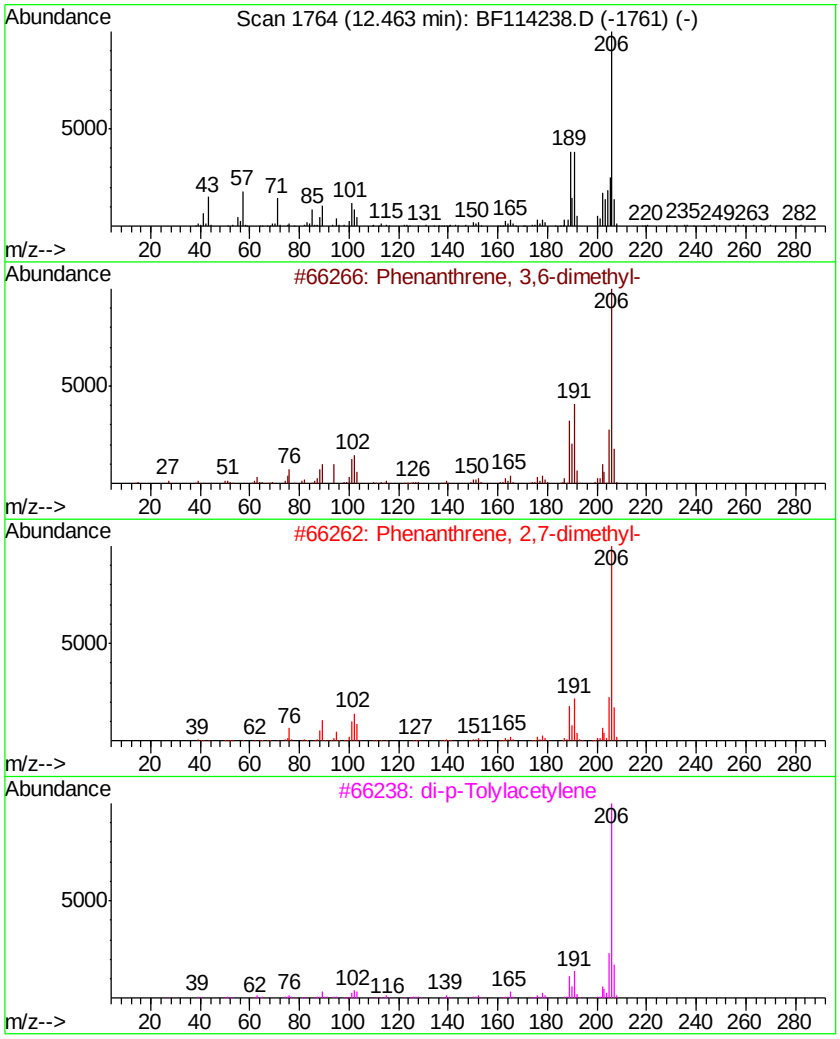
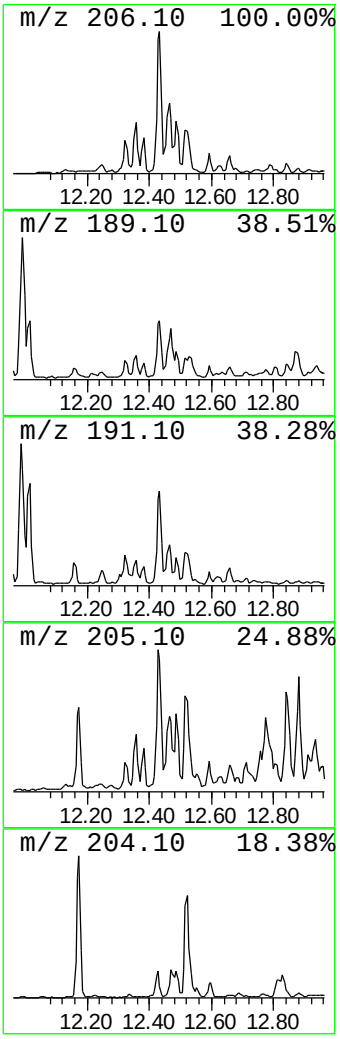
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	7.80 ng	724839	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	76
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	68





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ClientSampleId : P026-SS006-0206-01

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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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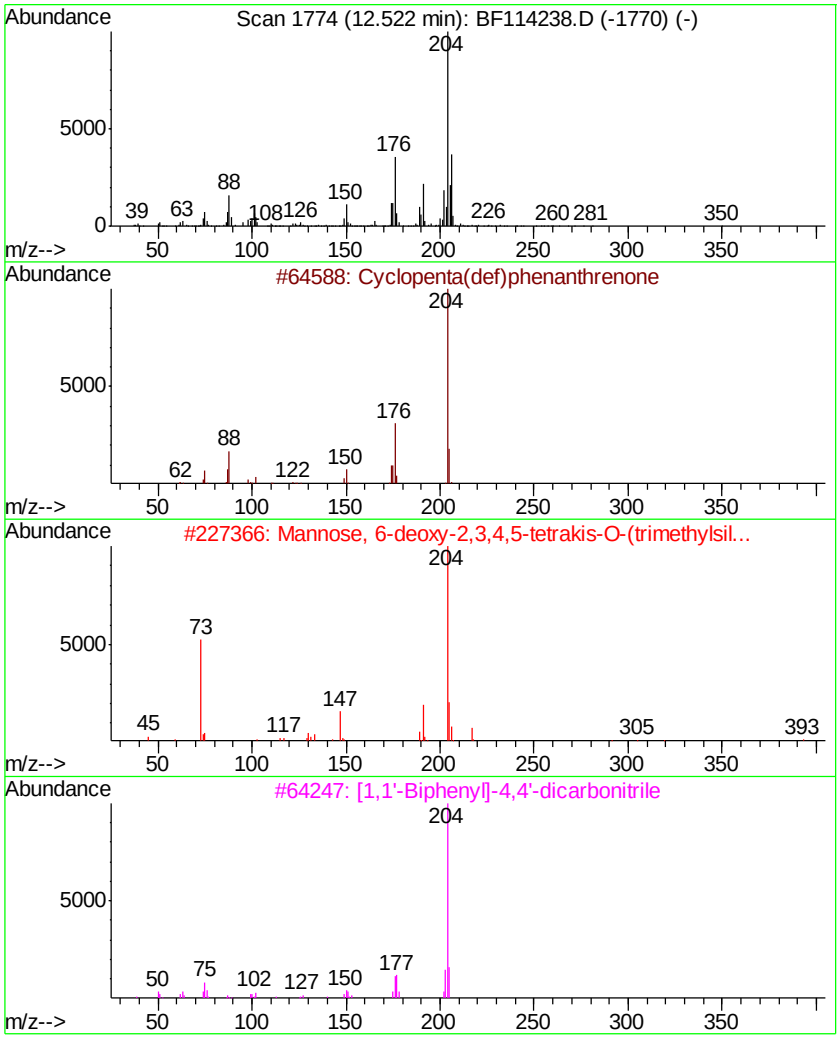
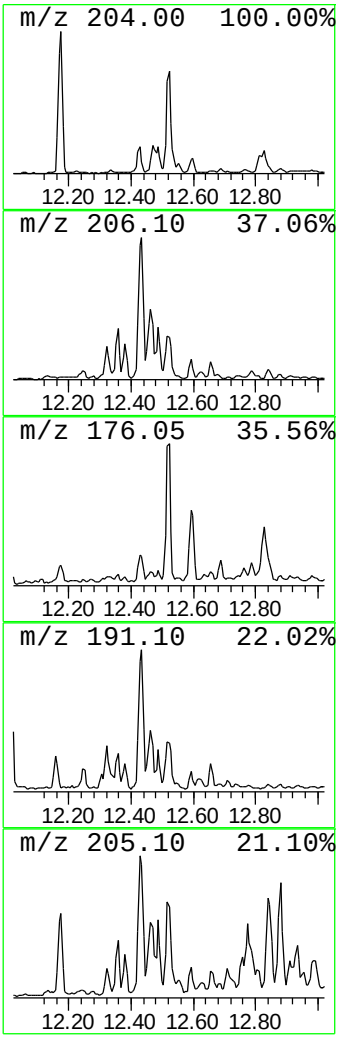
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	8.41 ng	781714	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	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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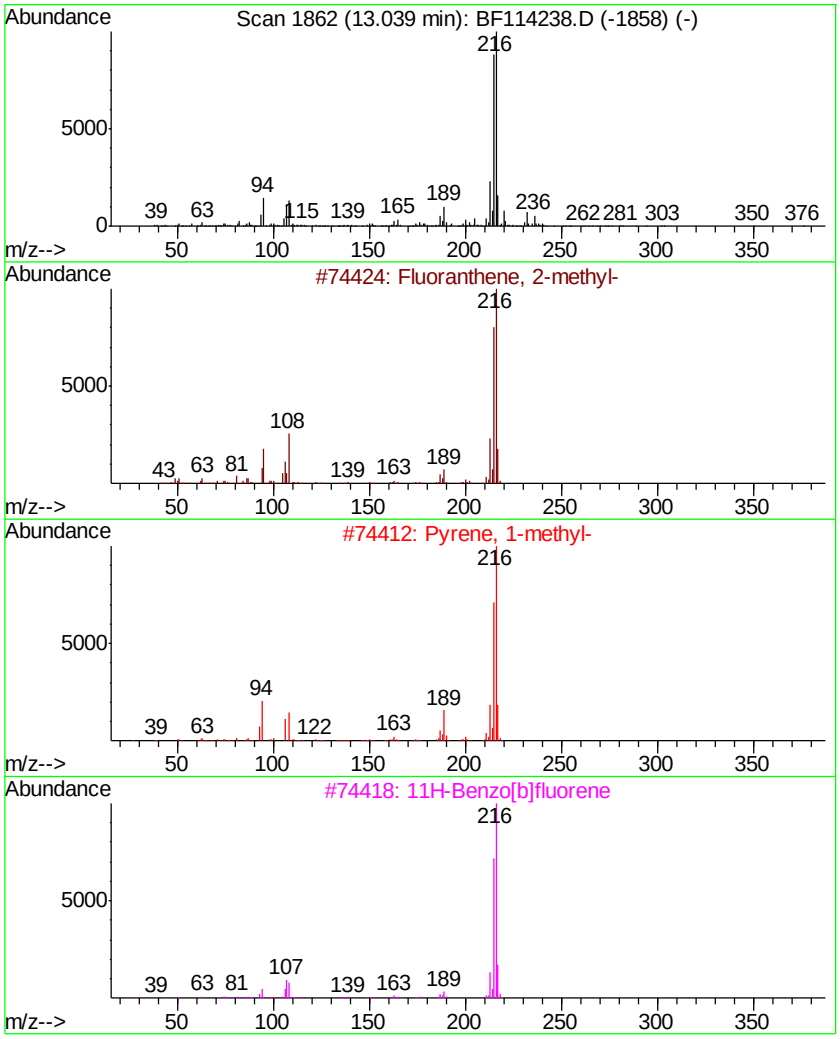
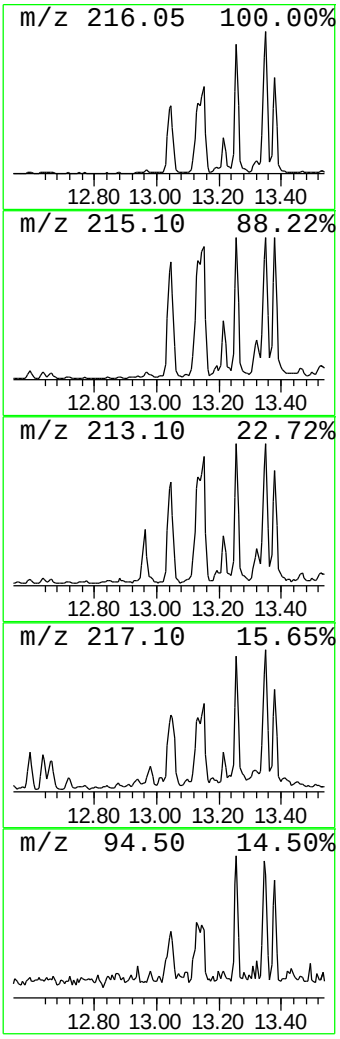
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	4.93 ng	1262660	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
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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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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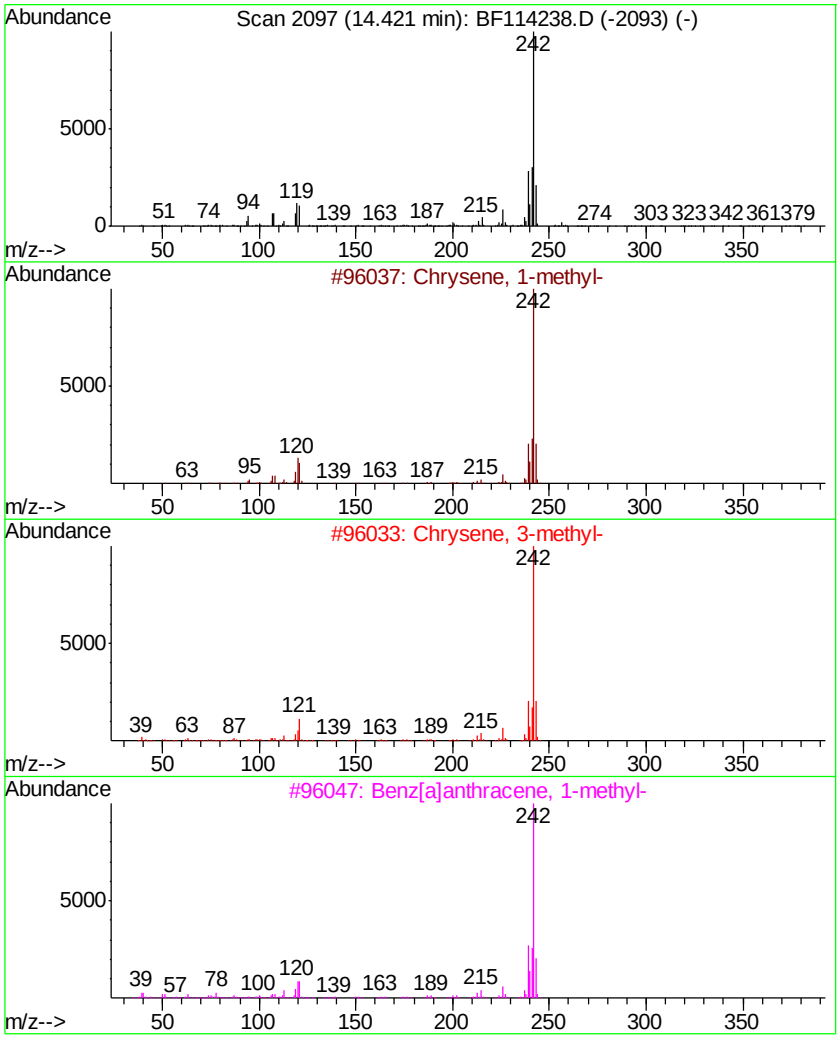
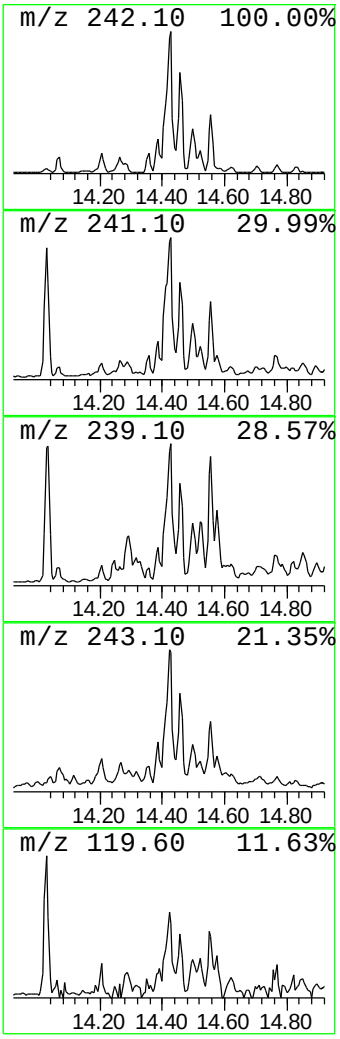
Peak Number 16 Chrysene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	5.50 ng	1408250	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
2	Chrysene, 3-methyl-	242	C19H14	003351-31-3	89
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	87





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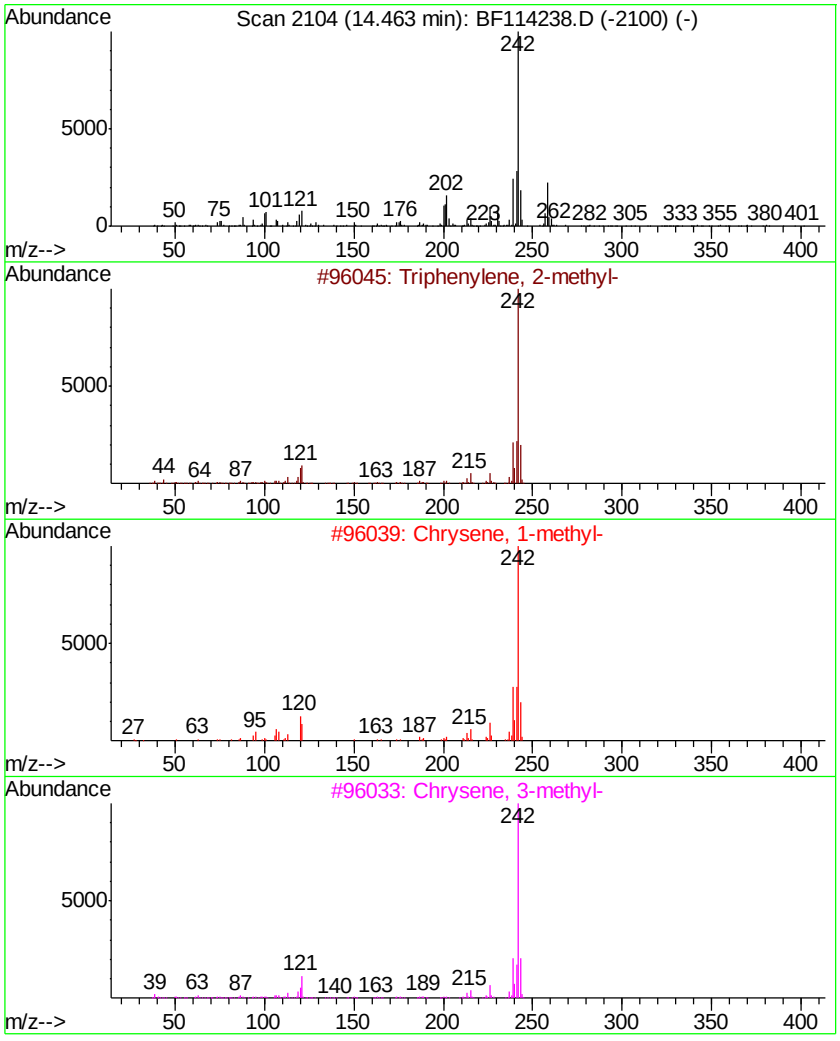
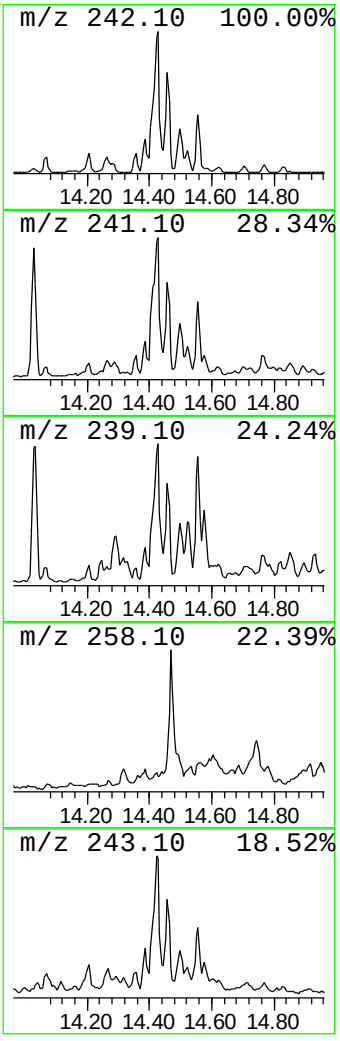
Peak Number 17 Triphenylene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	4.09 ng	1047440	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	86
4	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	76
5	Benz[a]anthracene, 4-methyl-	242	C19H14	000316-49-4	70





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

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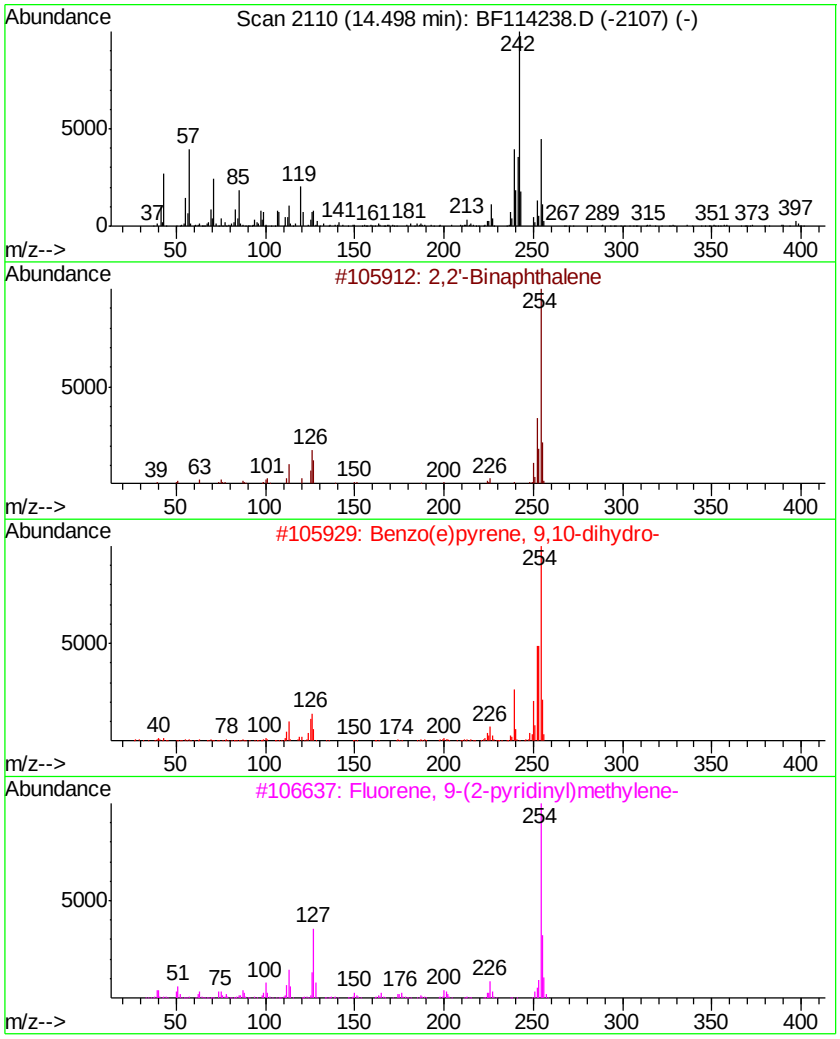
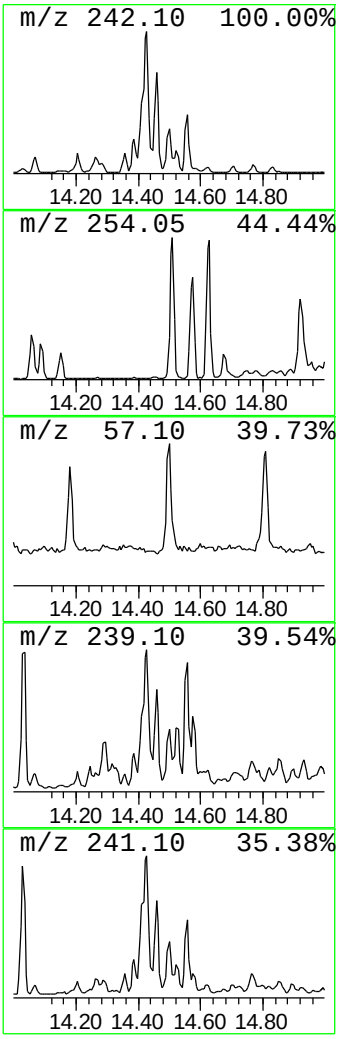
Peak Number 18 2,2'-Binaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	5.62 ng	1439720	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Binaphthalene	254	C20H14	000612-78-2	64
2	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	46
3	Fluorene, 9-(2-pyridinyl)methylene-	255	C19H13N	002871-27-4	45
4	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	43
5	1-Propene, 1,2-bis(4-methoxyphen...	254	C17H18O2	020802-02-2	43





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Acq On : 13 May 2019 19:18
Operator : JU/SJ
Sample : K2766-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0206-01

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

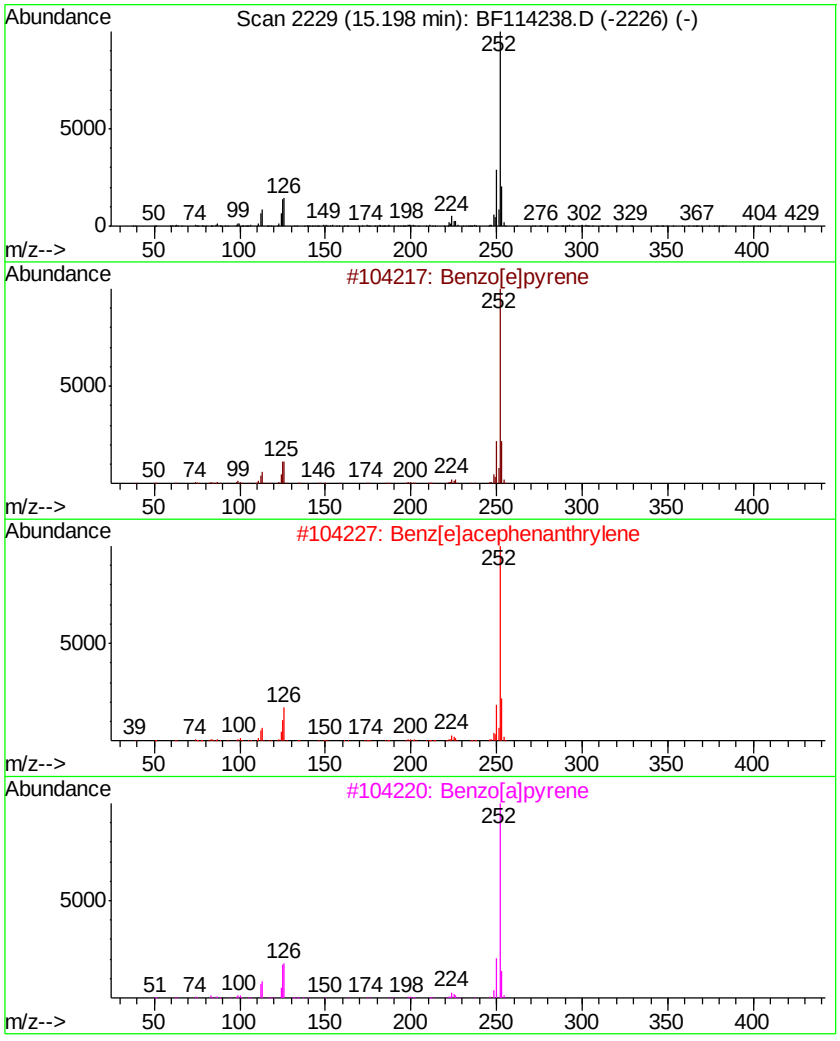
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

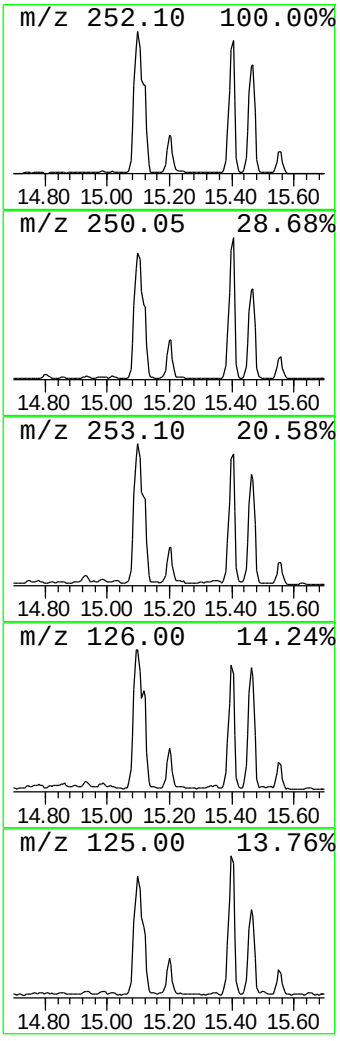
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	9.44 ng	764311	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114238.D
Acq On : 13 May 2019 19:18
Operator : JU/SJ
Sample : K2766-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0206-01

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

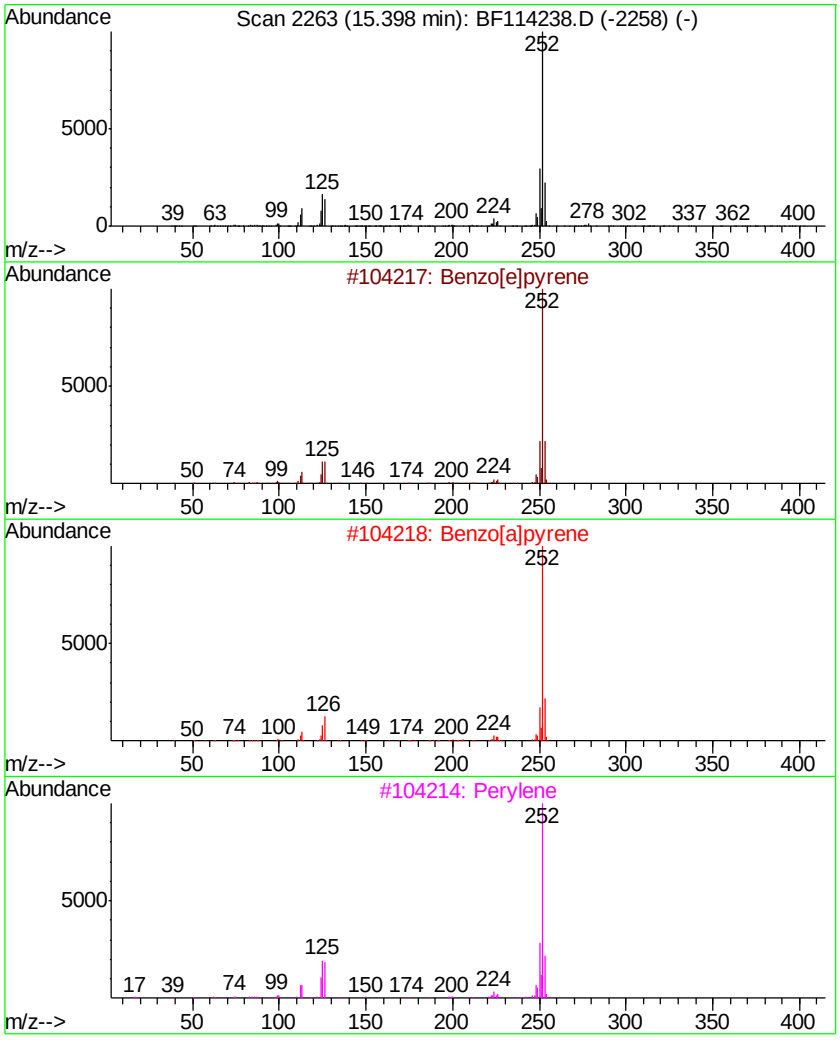
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

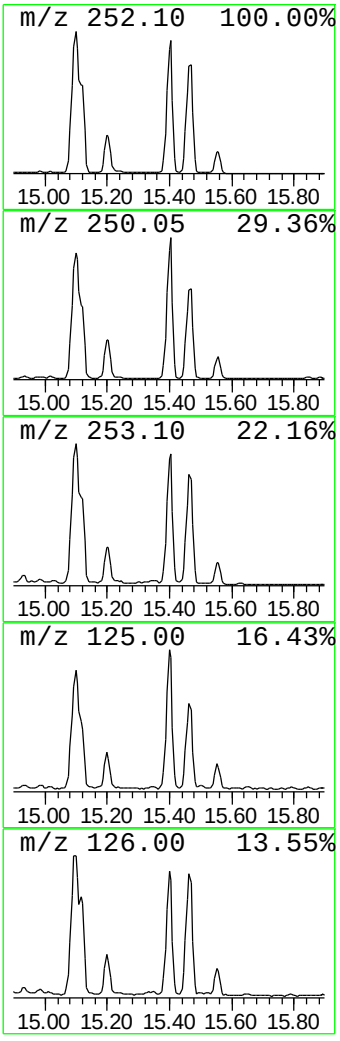
****

Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	39.16 ng	3171660	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051319\
Data File : BF114238.D
Acq On : 13 May 2019 19:18
Operator : JU/SJ
Sample : K2766-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS006-0206-01

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...	2.14	22.6	ng	1724970	1	6.86	1525000	20.0
unknown6.64	6.64	85.3	ng	6503670	1	6.86	1525000	20.0
Anthracene, 9-eth...	11.67	5.0	ng	465818	4	11.37	1859210	20.0
Phenanthrene, 1-m...	11.88	8.8	ng	813539	4	11.37	1859210	20.0
Phenanthrene, 2-m...	11.90	13.2	ng	1227260	4	11.37	1859210	20.0
Anthracene, 2-met...	11.99	14.0	ng	1301200	4	11.37	1859210	20.0
1H-Indene, 2-phenyl-	12.02	6.3	ng	585250	4	11.37	1859210	20.0
Naphthalene, 2-ph...	12.17	7.8	ng	729639	4	11.37	1859210	20.0
9,10-Anthracenedione	12.20	8.2	ng	763417	4	11.37	1859210	20.0
9,10-Dimethylanth...	12.43	13.3	ng	1233160	4	11.37	1859210	20.0
Phenanthrene, 3,6...	12.46	7.8	ng	724839	4	11.37	1859210	20.0
Cyclopenta(def)ph...	12.52	8.4	ng	781714	4	11.37	1859210	20.0
Fluoranthene, 2-m...	13.04	4.9	ng	1262660	5	14.03	5120640	20.0
Chrysene, 1-methyl-	14.42	5.5	ng	1408250	5	14.03	5120640	20.0
Triphenylene, 2-m...	14.46	4.1	ng	1047440	5	14.03	5120640	20.0
2,2'-Binaphthalene	14.50	5.6	ng	1439720	5	14.03	5120640	20.0
Benzo[e]pyrene	15.20	9.4	ng	764311	6	15.52	1619880	20.0
Perylene	15.40	39.2	ng	3171660	6	15.52	1619880	20.0