LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114241.D
Acq On : 13 May 2019 20:37
Operator : JU/SJ
Sample : K2766-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-1218-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	7	20	rVB	1126943	1545785	25.92%	1.511%
2	5.498	575	580	599	rBV	5520186	5724395	95.99%	5.595%
3	6.510	747	752	755	rBV	5381708	5963511	100.00%	5.828%
4	6.640	769	774	777	rBV	5600307	5758372	96.56%	5.628%
5	6.857	807	811	819	rBV	1780041	1493230	25.04%	1.459%
6	7.016	834	838	841	rBV	5033603	4370345	73.28%	4.271%
7	7.422	901	907	910	rBV	3684421	3832130	64.26%	3.745%
8	8.134	1025	1028	1031	rBV	1937335	1832850	30.73%	1.791%
9	8.616	1107	1110	1116	rBV	134793	208285	3.49%	0.204%
10	8.781	1132	1138	1146	rVB2	73614	119865	2.01%	0.117%
11	8.851	1146	1150	1157	rVB	126812	112876	1.89%	0.110%
12	9.210	1207	1211	1214	rBV	6425081	5768294	96.73%	5.637%
13	9.551	1265	1269	1271	rVV	82375	89556	1.50%	0.088%
14	9.604	1275	1278	1286	rVV	858643	897680	15.05%	0.877%
15	9.751	1299	1303	1309	rBV	644532	529253	8.87%	0.517%
16	9.892	1323	1327	1331	rVB	2153990	1924488	32.27%	1.881%
17	10.092	1357	1361	1365	rVV2	86254	104053	1.74%	0.102%
18	10.204	1376	1380	1383	rBV2	86584	104882	1.76%	0.103%
19	10.345	1401	1404	1406	rBV	124823	108061	1.81%	0.106%
20	10.451	1417	1422	1426	rVB3	85758	151348	2.54%	0.148%
21	10.680	1457	1461	1465	rBV	3425195	3460823	58.03%	3.382%
22	10.804	1477	1482	1487	rVB3	153320	178181	2.99%	0.174%
23	10.986	1509	1513	1516	rBV4	92418	136023	2.28%	0.133%
24	11.180	1544	1546	1550	rBV	138686	124552	2.09%	0.122%
25	11.274	1558	1562	1566	rVB	181209	197817	3.32%	0.193%
26	11.374	1576	1579	1582	rBV	1892298	2040790	34.22%	1.994%
27	11.404	1582	1584	1589	rVV	2102691	1669902	28.00%	1.632%
28	11.451	1589	1592	1595	rVV	411913	319733	5.36%	0.312%
29	11.480	1595	1597	1601	rVV2	110549	131472	2.20%	0.128%
30	11.669	1624	1629	1632	rVB3	349354	337687	5.66%	0.330%
31	11.710	1632	1636	1639	rBV	291433	261041	4.38%	0.255%
32	11.769	1643	1646	1648	rVV2	96888	97712	1.64%	0.095%
33	11.792	1648	1650	1653	rVB	130691	127127	2.13%	0.124%
34	11.833	1653	1657	1660	rBV3	141446	165705	2.78%	0.162%

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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Sample : K2766-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-1218-01

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	11.880	1661	1665	1667	rVV	858932	795955	13.35%	0.778%
36	11.904	1667	1669	1673	rVV2	1322974	1263857	21.19%	1.235%
37	11.951	1675	1677	1680	rVV	149362	147929	2.48%	0.145%
38	11.992	1680	1684	1686	rVV2	1118207	1276550	21.41%	1.248%
39	12.016	1686	1688	1691	rVV	737119	583308	9.78%	0.570%
40	12.063	1693	1696	1699	rBV2	100751	144704	2.43%	0.141%
41	12.110	1702	1704	1707	rVV	150635	146391	2.45%	0.143%
42	12.174	1711	1715	1717	rVV	684835	675577	11.33%	0.660%
43	12.204	1717	1720	1725	rVB2	691736	697056	11.69%	0.681%
44	12.304	1735	1737	1738	rBV	132161	98483	1.65%	0.096%
45	12.321	1738	1740	1743	rVV	201995	206232	3.46%	0.202%
46	12.357	1743	1746	1748	rVV	213329	197549	3.31%	0.193%
47	12.380	1748	1750	1752	rVB2	180564	133001	2.23%	0.130%
48	12.427	1752	1758	1761	rBV	689412	835130	14.00%	0.816%
49	12.457	1761	1763	1767	rVV4	322950	501685	8.41%	0.490%
50	12.486	1767	1768	1770	rVB	247398	130302	2.18%	0.127%
51	12.516	1770	1773	1778	rBV	594784	702020	11.77%	0.686%
52	12.592	1781	1786	1790	rBV	3264808	2978161	49.94%	2.911%
53	12.633	1790	1793	1795	rBV	217202	184344	3.09%	0.180%
54	12.657	1795	1797	1799	rVB2	157520	121946	2.04%	0.119%
55	12.686	1799	1802	1805	rBV	736618	592325	9.93%	0.579%
56	12.727	1805	1809	1810	rBV2	256635	236626	3.97%	0.231%
57	12.763	1813	1815	1820	rVB	198414	215436	3.61%	0.211%
58	12.827	1820	1826	1829	rBV	4910294	4910752	82.35%	4.799%
59	12.880	1831	1835	1838	rVB3	204588	268012	4.49%	0.262%
60	12.963	1842	1849	1852	rBV	4493325	4381773	73.48%	4.282%
61	13.039	1858	1862	1869	rBV2	564543	909241	15.25%	0.889%
62	13.098	1869	1872	1874	rBV3	148342	154331	2.59%	0.151%
63	13.127	1874	1877	1879	rBV2	534690	696175	11.67%	0.680%
64	13.216	1890	1892	1896	rBV	197114	148747	2.49%	0.145%
65	13.257	1896	1899	1906	rVB	903819	839319	14.07%	0.820%
66	13.345	1911	1914	1917	rBV	720742	654166	10.97%	0.639%
67	13.380	1917	1920	1923	rVB	660566	599435	10.05%	0.586%
68	13.433	1926	1929	1932	rVB	174519	157799	2.65%	0.154%
69	13.468	1932	1935	1938	rVB3	96236	102041	1.71%	0.100%
70	13.527	1942	1945	1947	rBV3	99174	98030	1.64%	0.096%
71	13.657	1964	1967	1971	rVB	524184	537263	9.01%	0.525%

LSC Area Percent Report

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Data File : BF114241.D
Acq On : 13 May 2019 20:37
Operator : JU/SJ
Sample : K2766-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-1218-01

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	13.768	1980	1986	1988	rBV	568897	670394	11.24%	0.655%
73	13.798	1988	1991	1993	rVV	610038	555220	9.31%	0.543%
74	13.821	1993	1995	1997	rVV	496915	423373	7.10%	0.414%
75	13.851	1997	2000	2007	rVB2	958940	1351469	22.66%	1.321%
76	14.015	2024	2028	2032	rBV2	2499388	4013592	67.30%	3.923%
77	14.051	2032	2034	2042	rVB	2321929	2142217	35.92%	2.094%
78	14.110	2042	2044	2048	rBV4	140445	183377	3.07%	0.179%
79	14.145	2048	2050	2052	rBV3	111095	100611	1.69%	0.098%
80	14.174	2052	2055	2058	rBV	828330	826123	13.85%	0.807%
81	14.286	2071	2074	2077	rBV3	130469	128731	2.16%	0.126%
82	14.380	2087	2090	2092	rBV	213651	187208	3.14%	0.183%
83	14.415	2092	2096	2099	rVV	619199	780875	13.09%	0.763%
84	14.451	2099	2102	2106	rVV2	440518	559094	9.38%	0.546%
85	14.498	2106	2110	2115	rVV4	582489	967603	16.23%	0.946%
86	14.545	2115	2118	2120	rVV	437729	491777	8.25%	0.481%
87	14.568	2120	2122	2125	rVV	376892	357713	6.00%	0.350%
88	14.615	2128	2130	2134	rVB	314244	277423	4.65%	0.271%
89	14.851	2168	2170	2172	rBV2	123313	129643	2.17%	0.127%
90	14.874	2172	2174	2177	rVB	300798	273895	4.59%	0.268%
91	14.910	2178	2180	2188	rVB2	133866	225341	3.78%	0.220%
92	15.086	2205	2210	2216	rBV	1617536	2992878	50.19%	2.925%
93	15.133	2216	2218	2222	rVB	187880	185178	3.11%	0.181%
94	15.192	2224	2228	2232	rVB	336612	376554	6.31%	0.368%
95	15.386	2257	2261	2267	rVB	1342861	1724834	28.92%	1.686%
96	15.451	2267	2272	2276	rBV2	1484968	1866136	31.29%	1.824%
97	15.515	2278	2283	2286	rVV	1118404	1405432	23.57%	1.374%
98	15.545	2286	2288	2291	rVB	141932	126536	2.12%	0.124%
99	16.992	2529	2534	2540	rVB2	482177	892736	14.97%	0.872%
100	17.445	2606	2611	2619	rVB	460828	896011	15.02%	0.876%

Sum of corrected areas: 102321449

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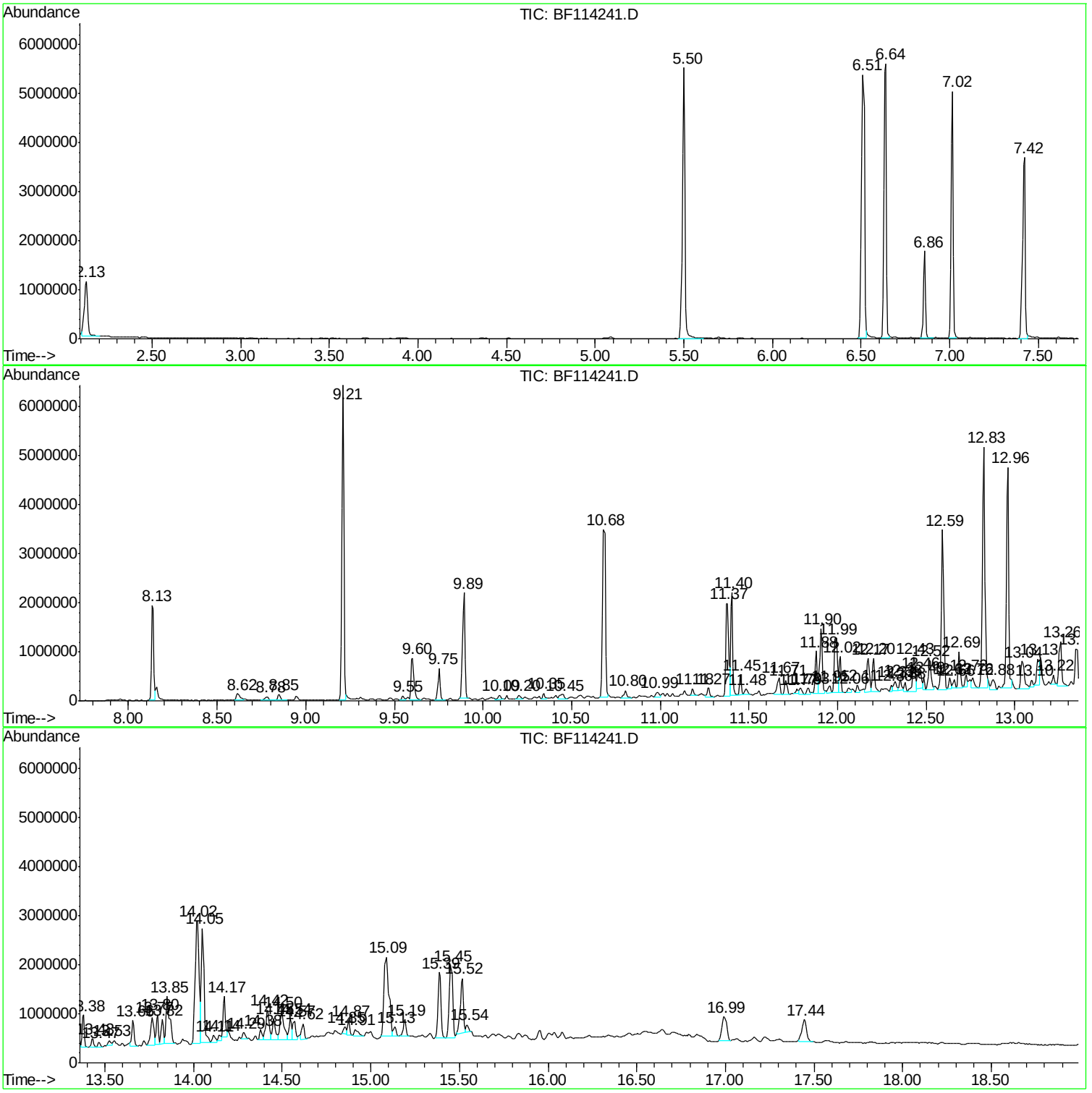
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS009-1218-01

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\
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Acq On : 13 May 2019 20:37
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Instrument : BNA_F
ClientSampleId : P026-SS009-1218-01

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

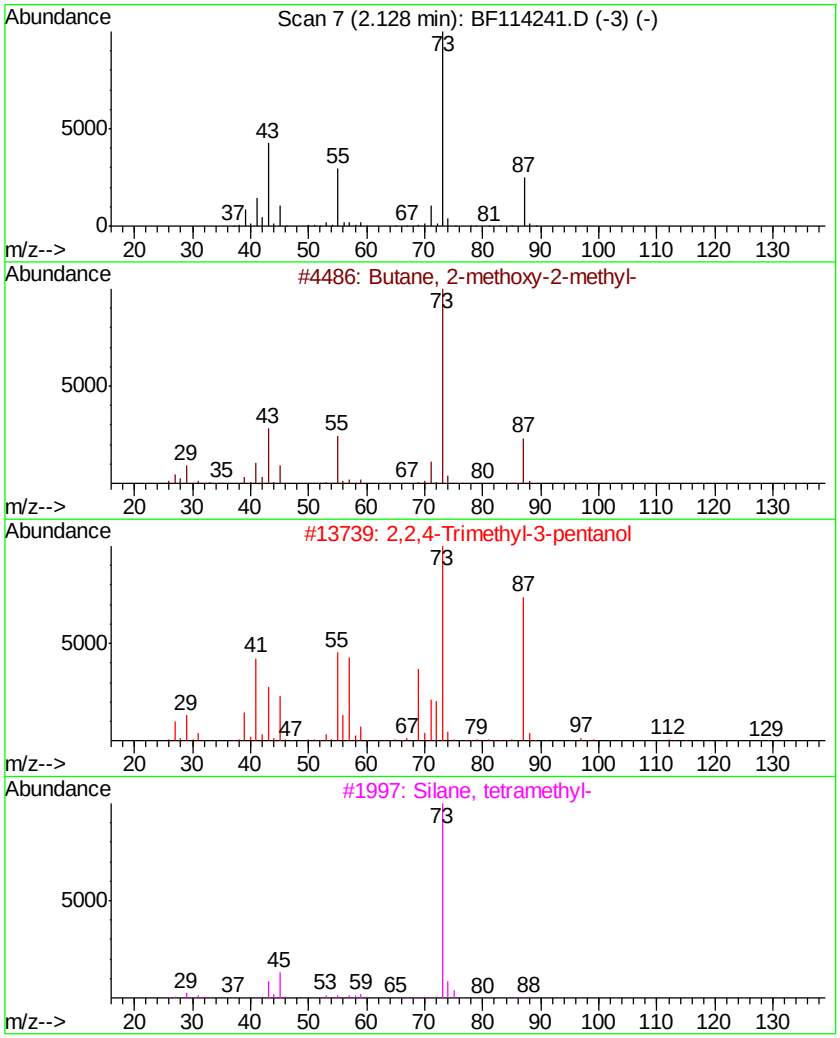
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

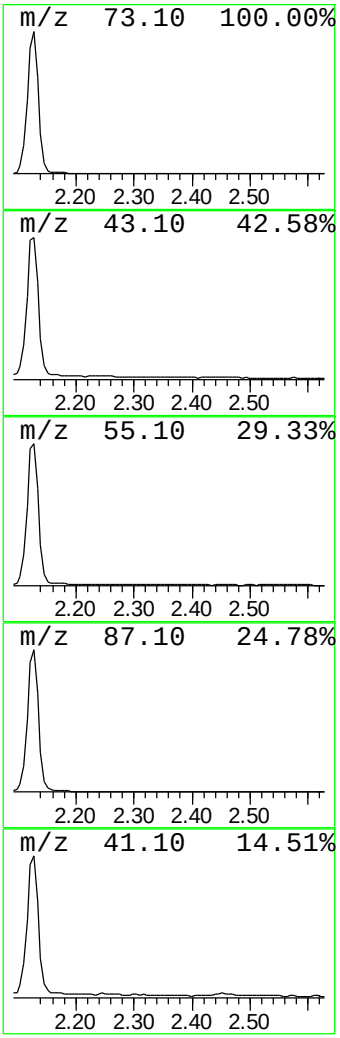
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	20.70 ng	1545790	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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
5	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	23





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : P026-SS009-1218-01

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

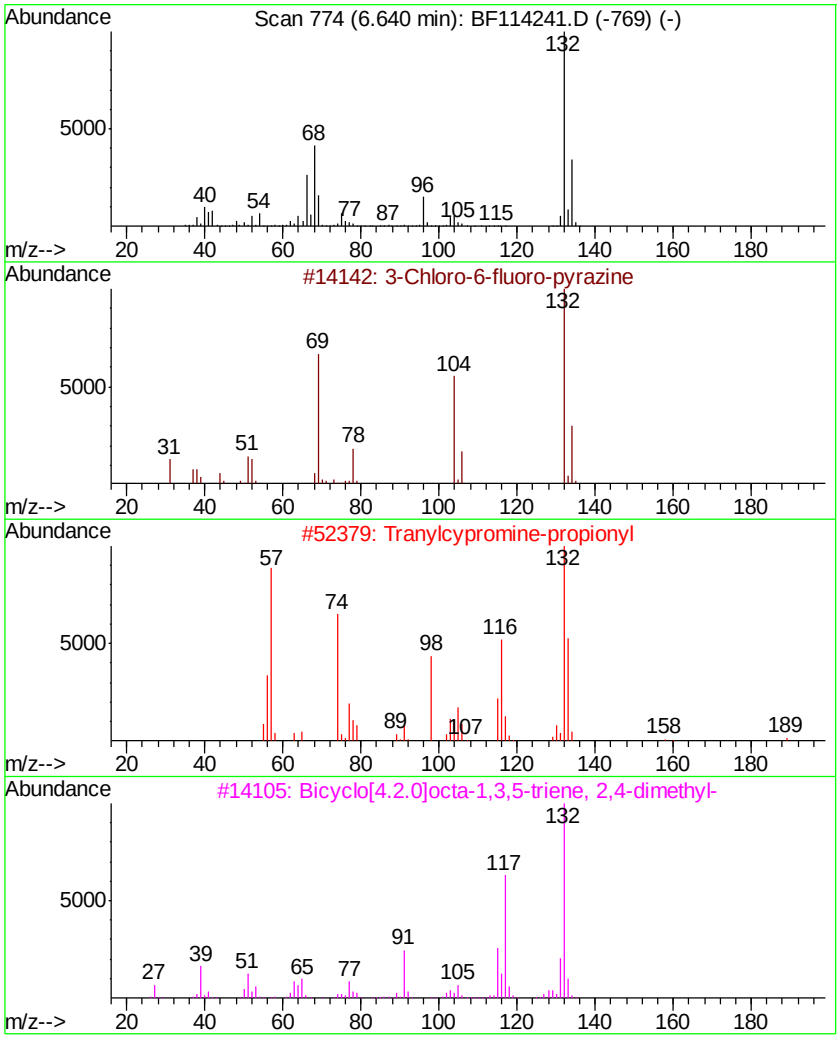
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

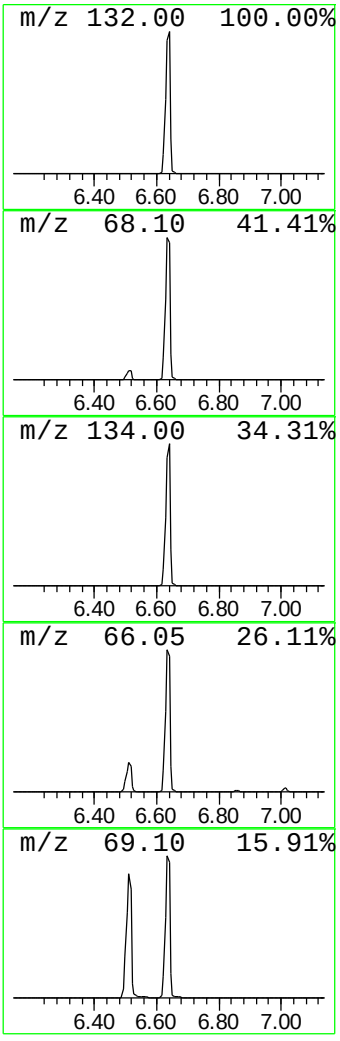
****

Peak Number 2 unknown6.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	77.13 ng	5758370	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	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	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

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

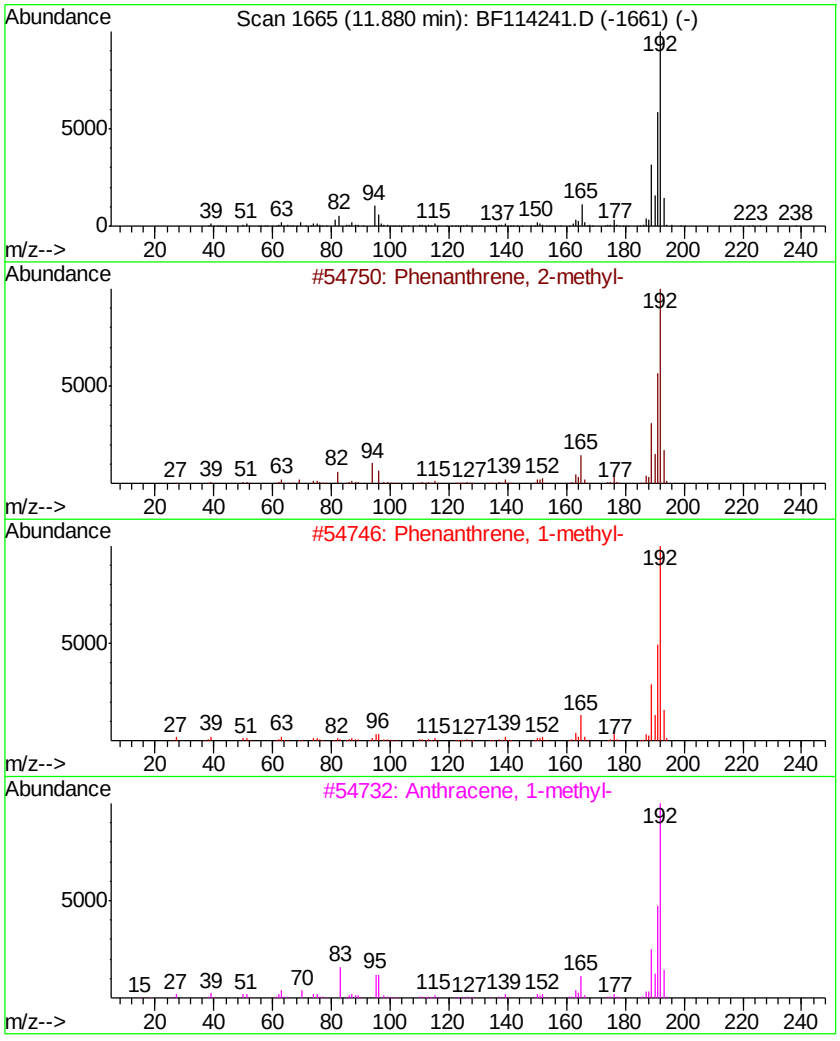
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

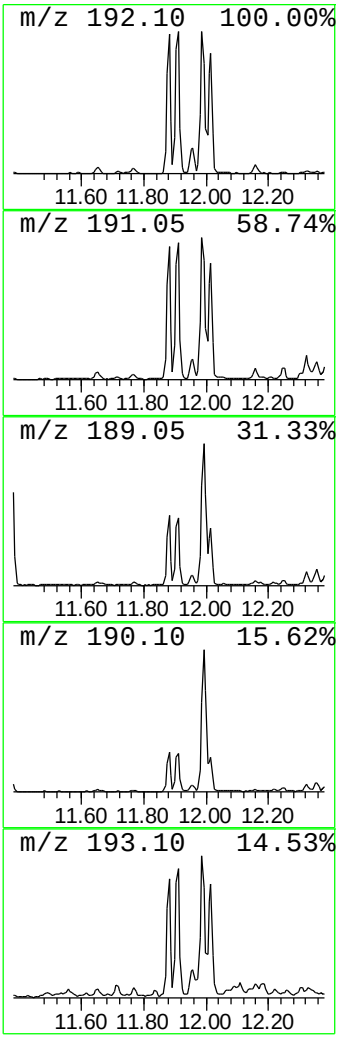
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	7.80 ng	795955	Phenanthrene-d10	11.38

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114241.D
Acq On : 13 May 2019 20:37
Operator : JU/SJ
Sample : K2766-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-1218-01

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

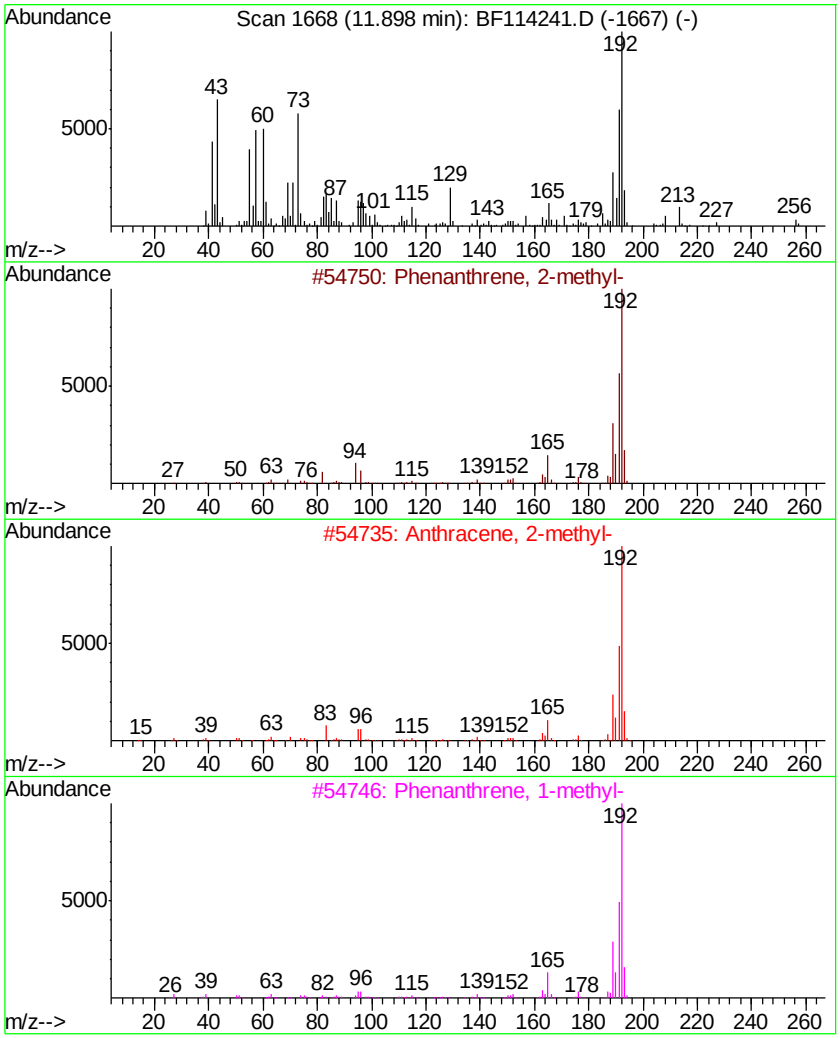
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

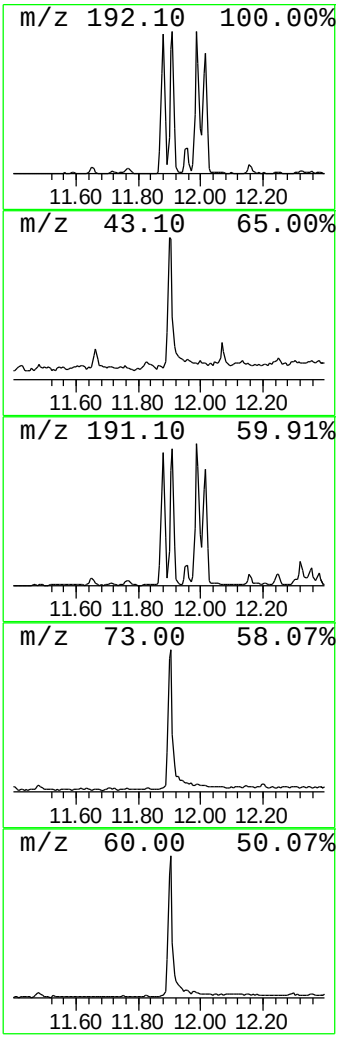
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	12.39 ng	1263860	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114241.D
Acq On : 13 May 2019 20:37
Operator : JU/SJ
Sample : K2766-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-1218-01

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

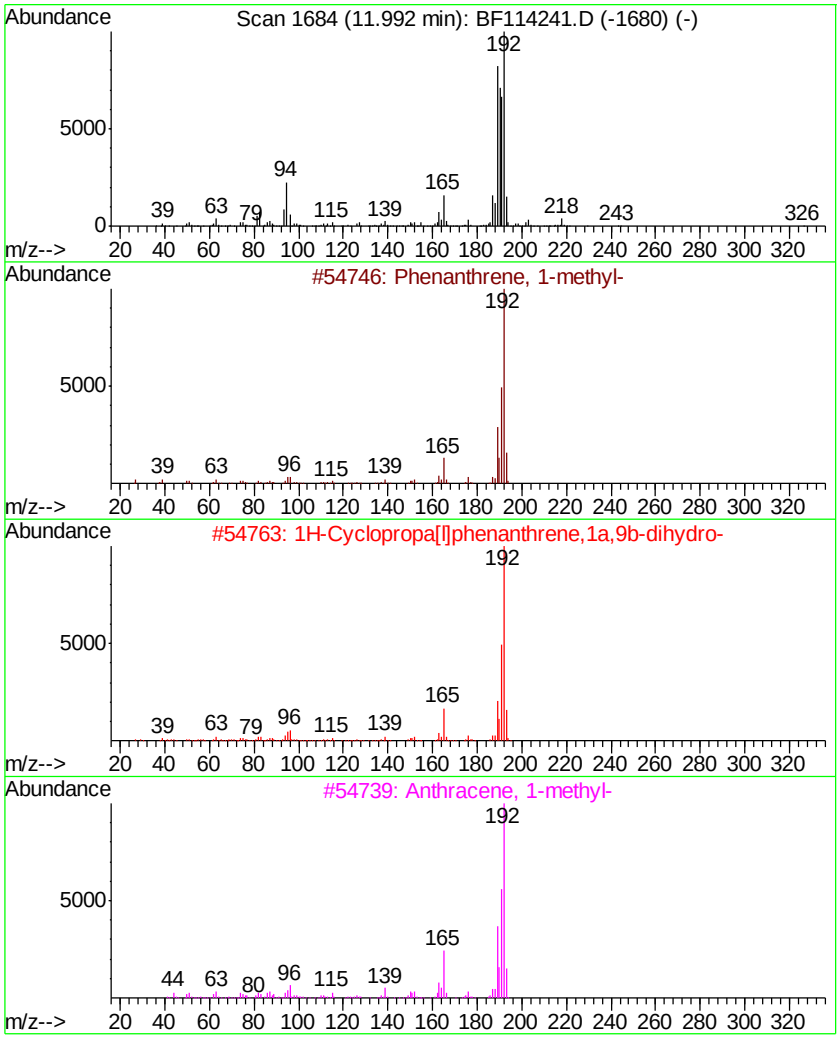
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

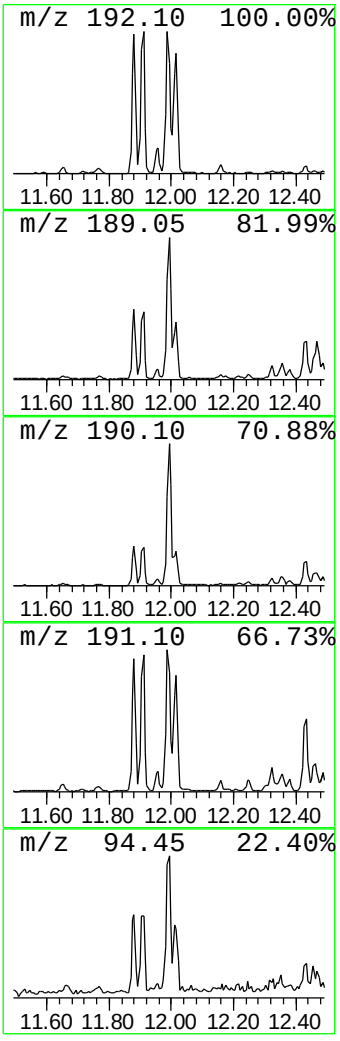
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	12.51 ng	1276550	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	84
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50





Library Search Compound Report

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Acq On : 13 May 2019 20:37
Operator : JU/SJ
Sample : K2766-21
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS009-1218-01

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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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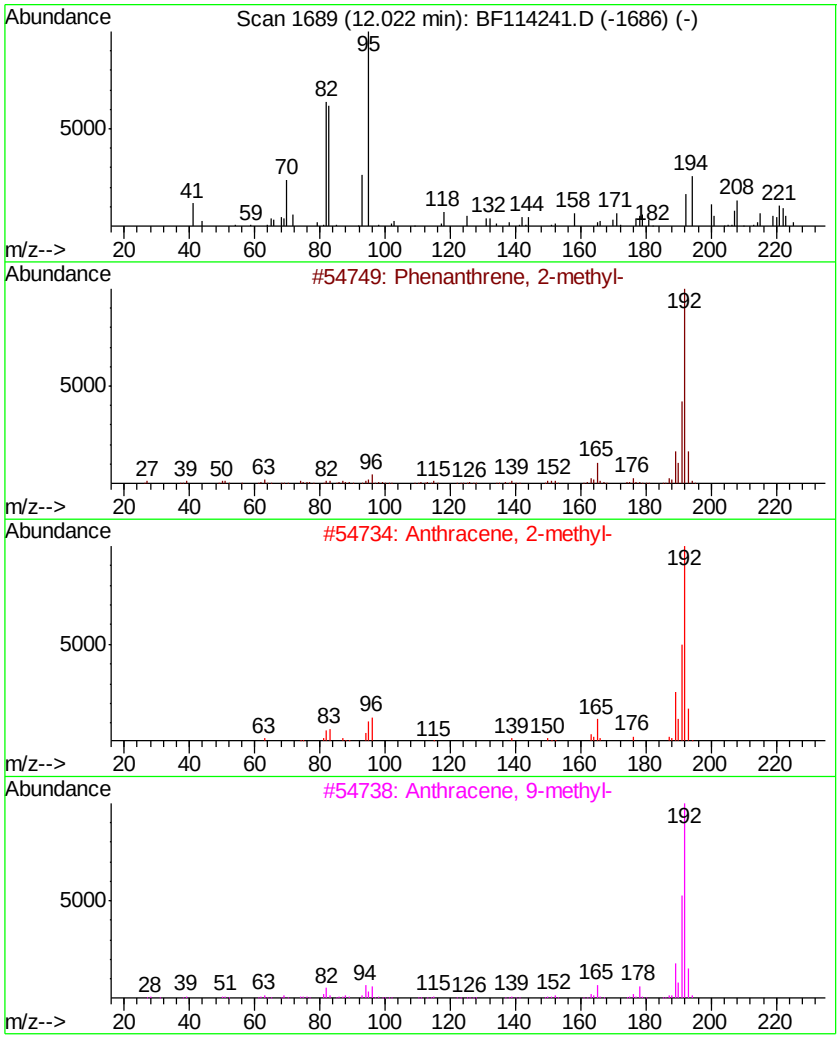
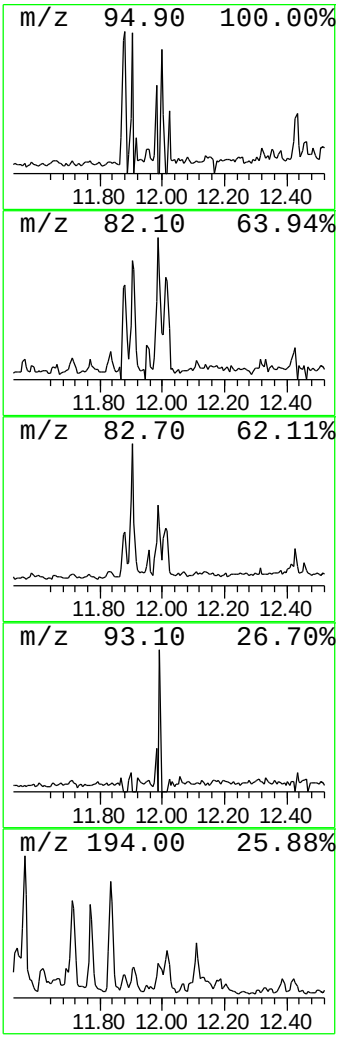
Peak Number 7 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.72 ng	583308	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	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91





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ClientSampleId : P026-SS009-1218-01

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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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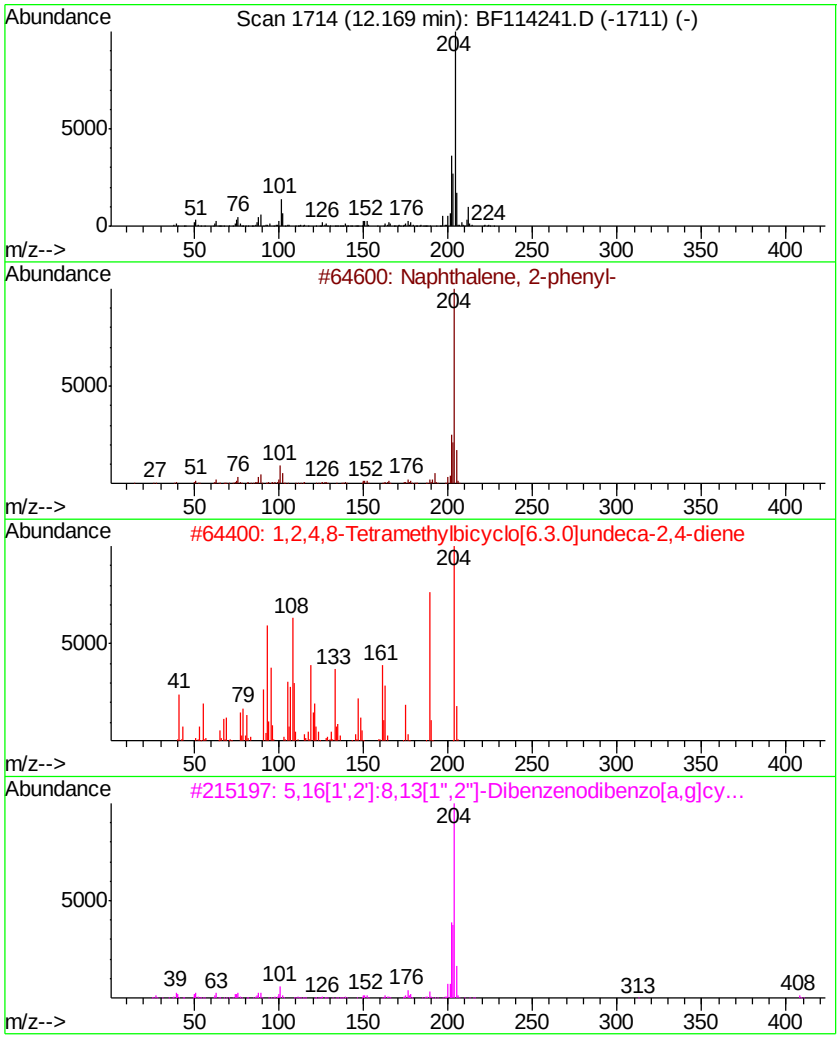
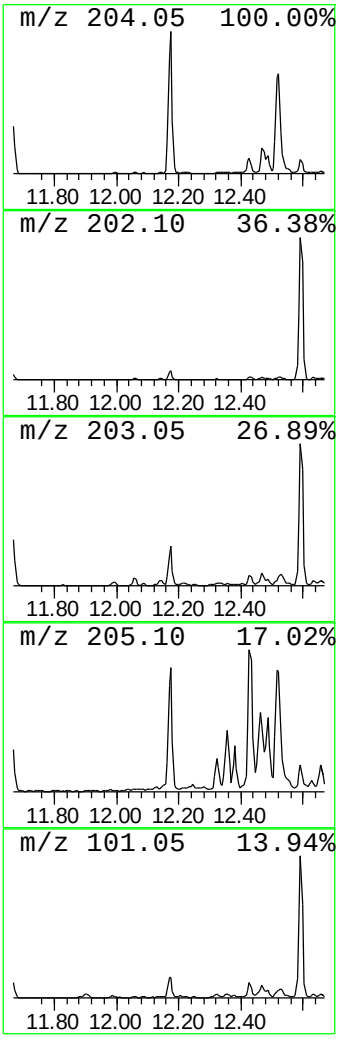
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	6.62 ng	675577	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





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ClientSampleId : P026-SS009-1218-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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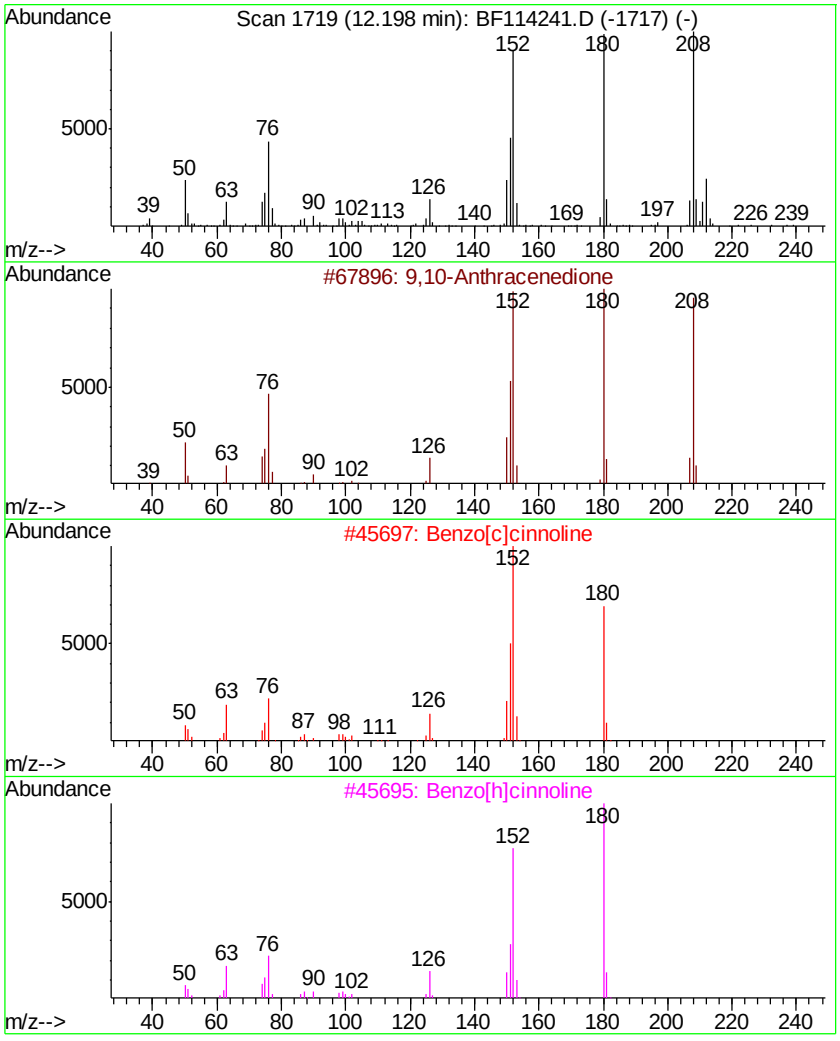
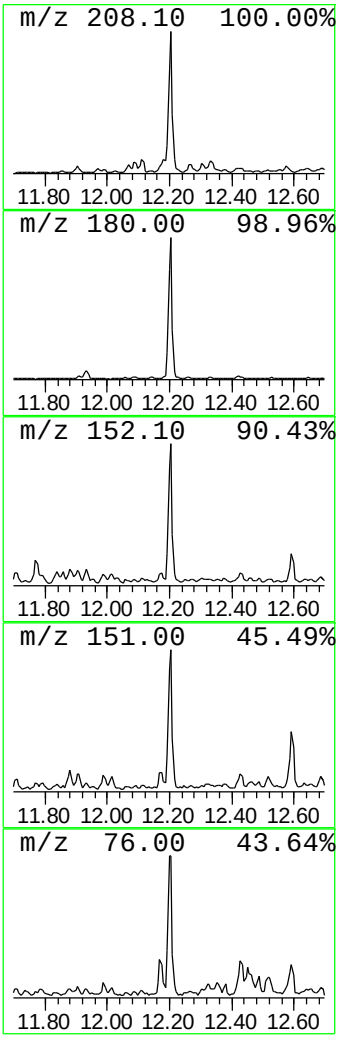
Peak Number 9 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	6.83 ng	697056	Phenanthrene-d10	11.38

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	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53





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

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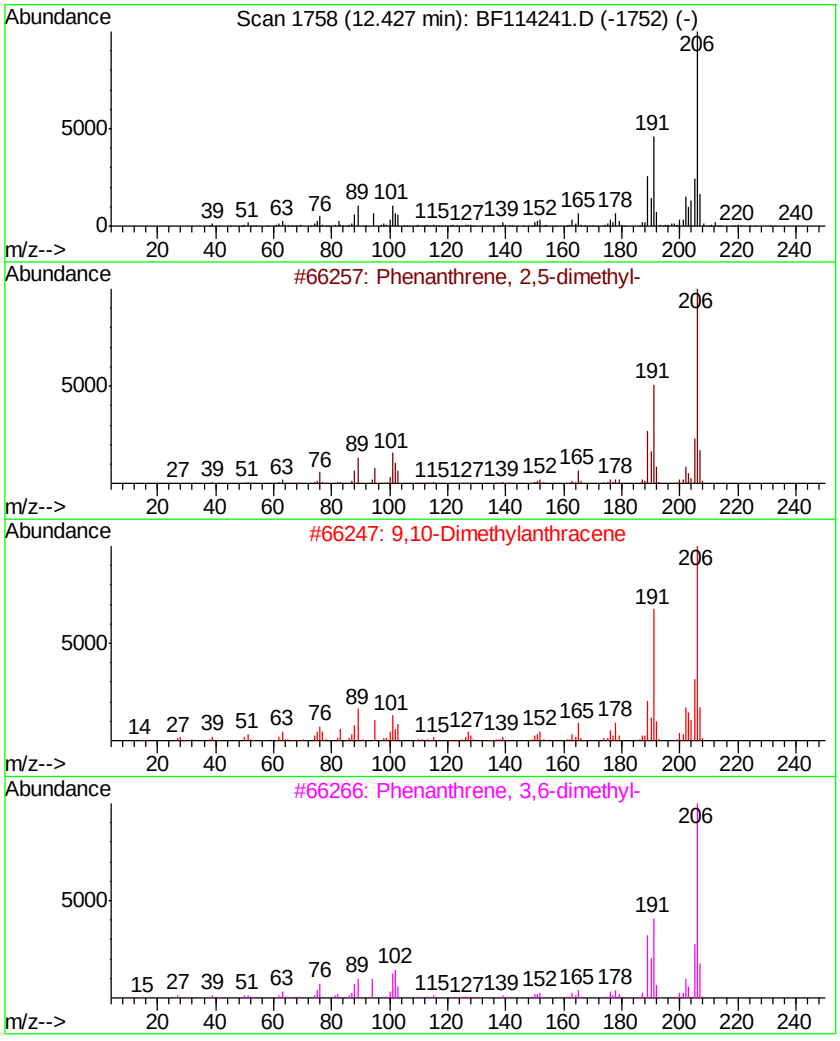
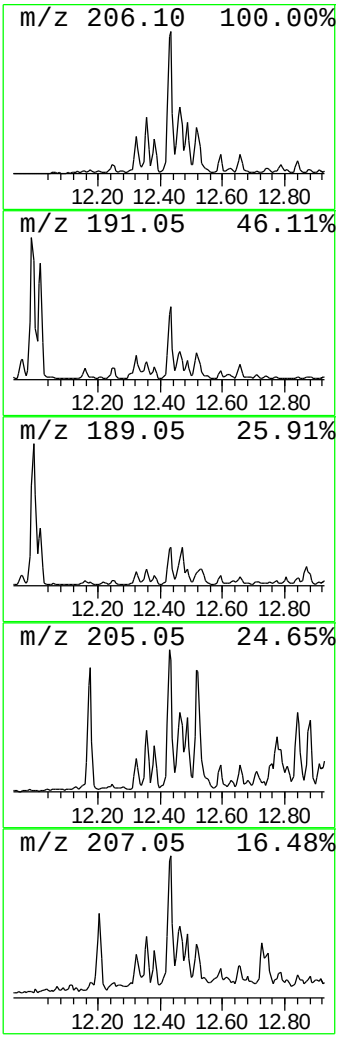
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	8.18 ng	835130	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	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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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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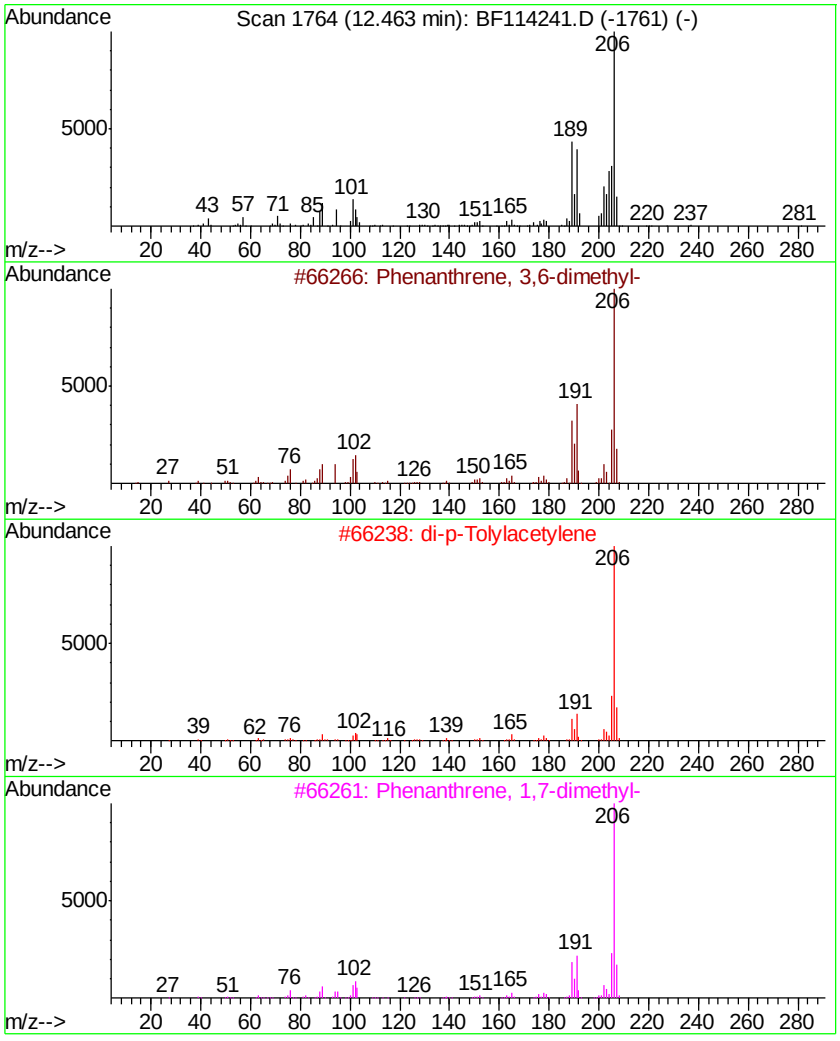
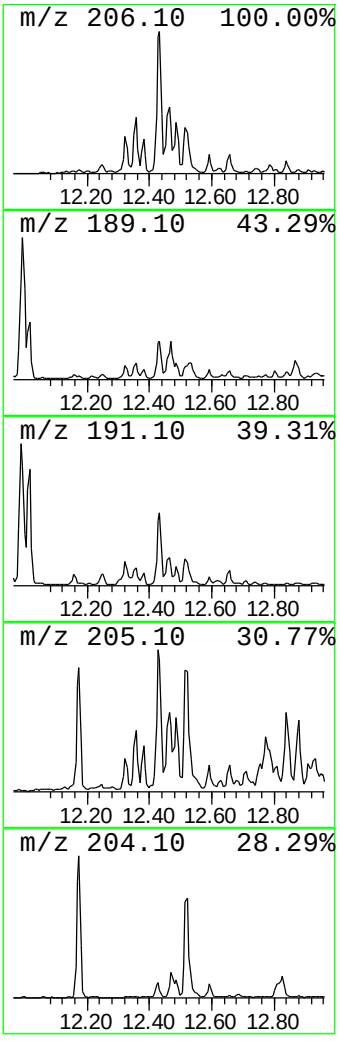
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	4.92 ng	501685	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





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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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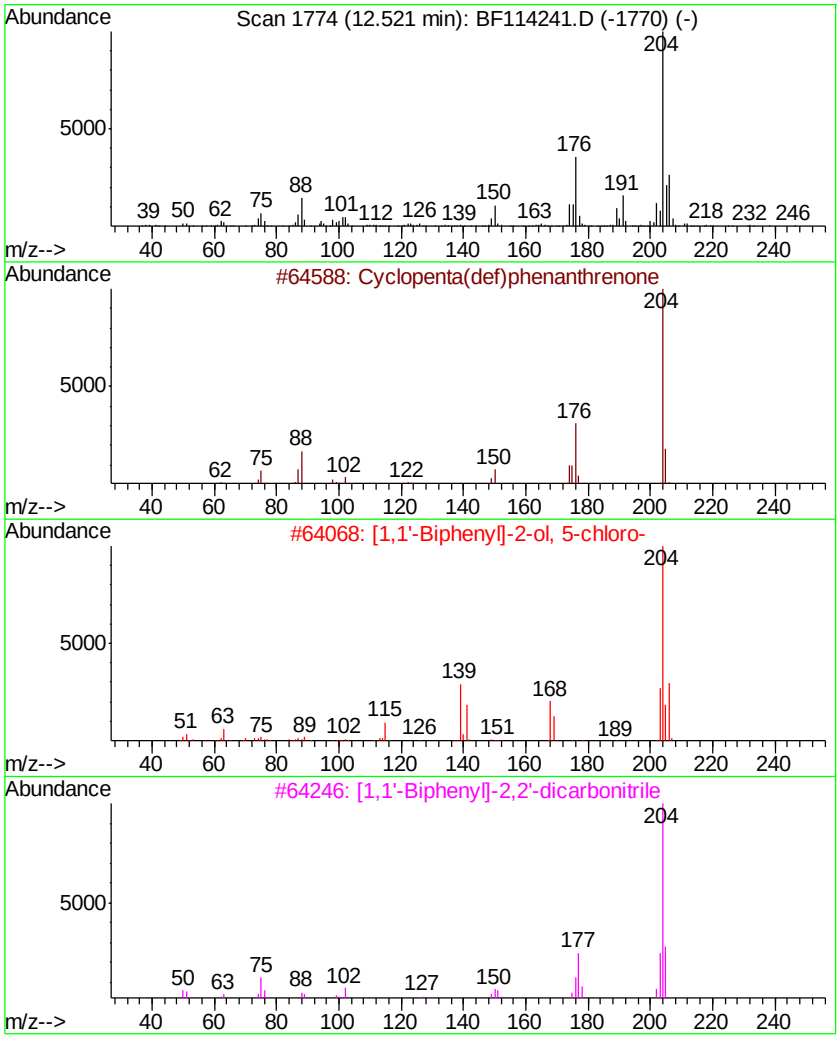
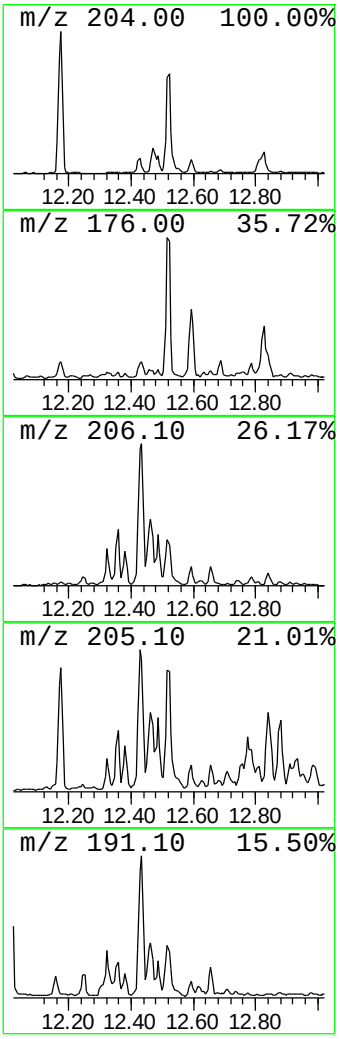
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	6.88 ng	702020	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





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ClientSampleId : P026-SS009-1218-01

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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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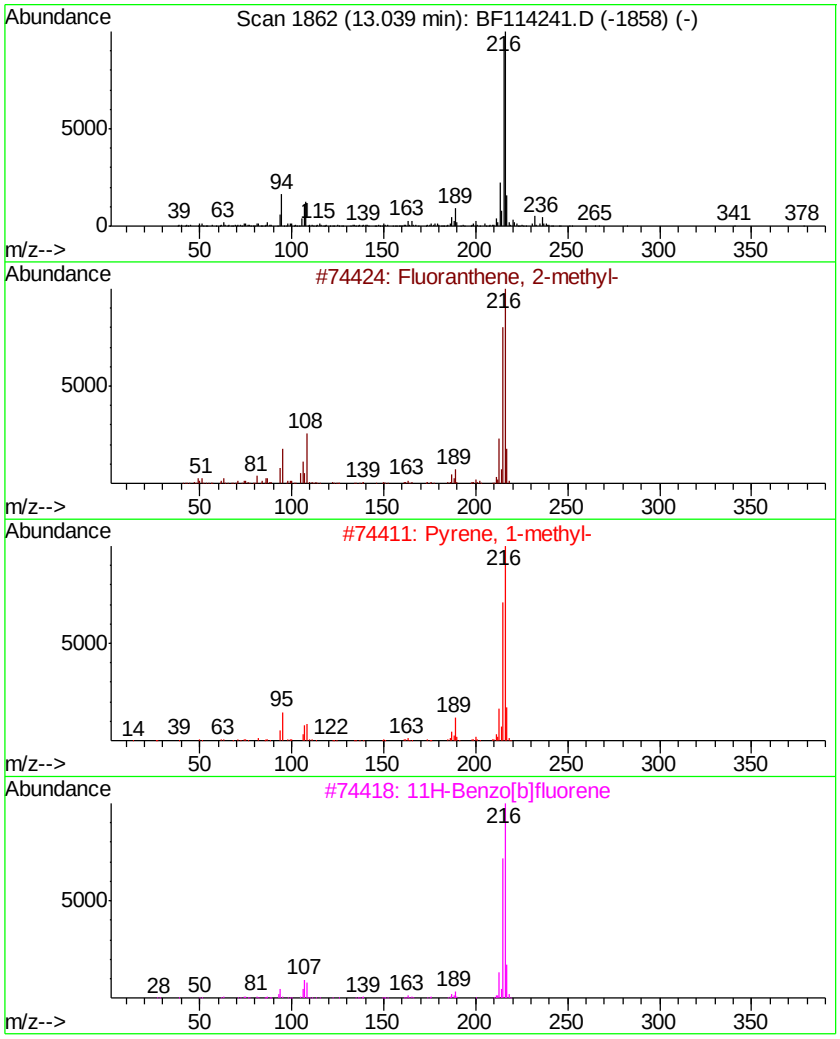
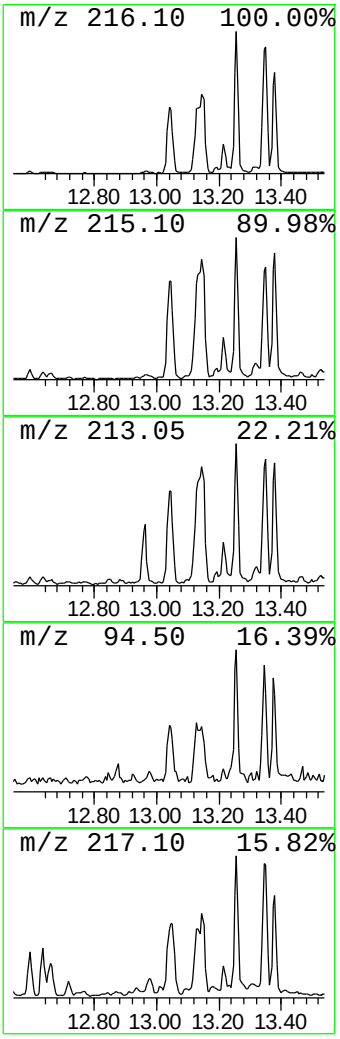
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	4.53 ng	909241	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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ClientSampleId : P026-SS009-1218-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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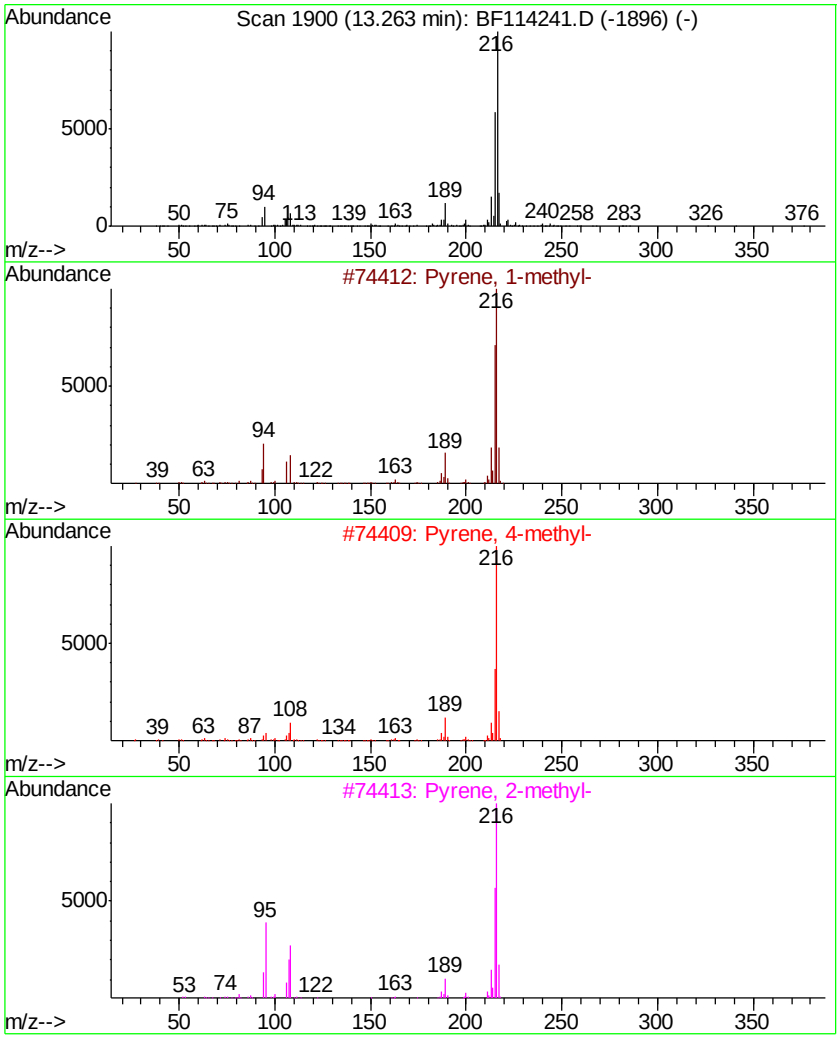
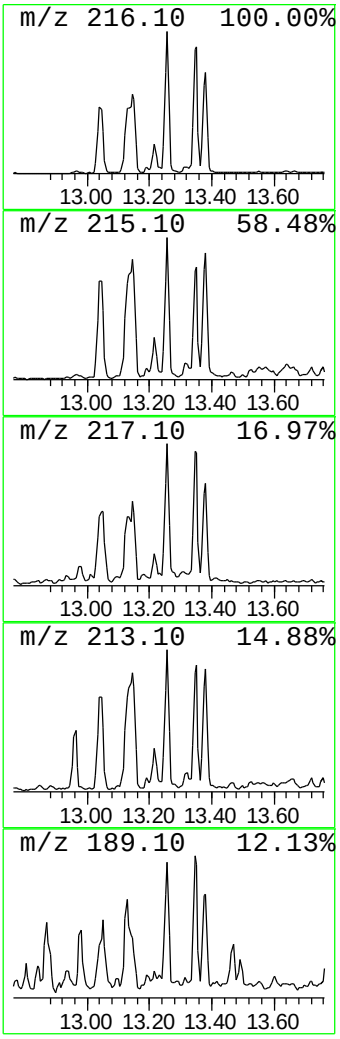
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	4.18 ng	839319	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





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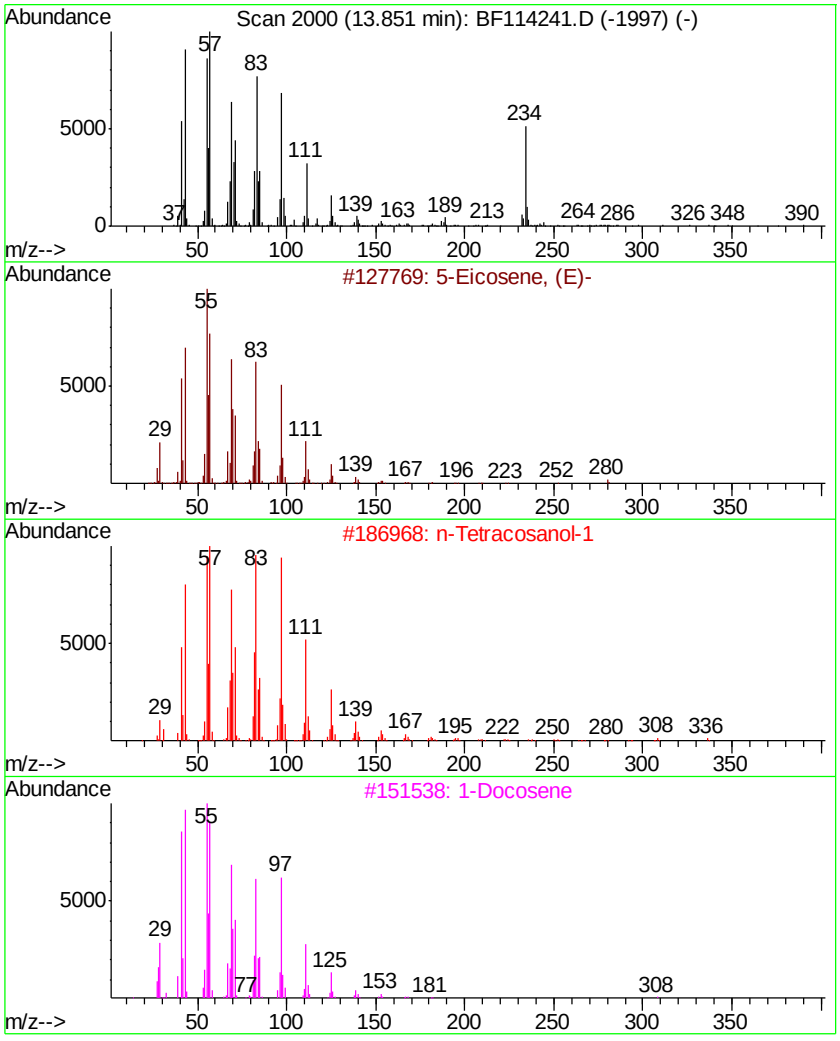
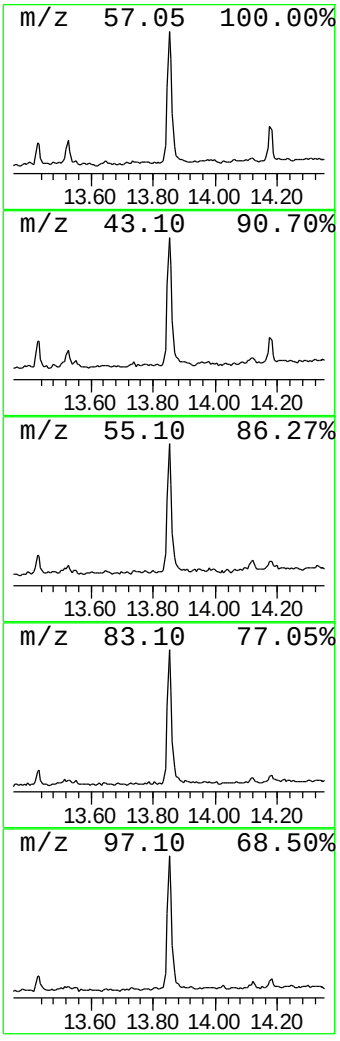
Peak Number 16 5-Eicosene, (E)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	6.73 ng	1351470	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	94
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	90
3	1-Docosene	308	C22H44	001599-67-3	90
4	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	81
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	81





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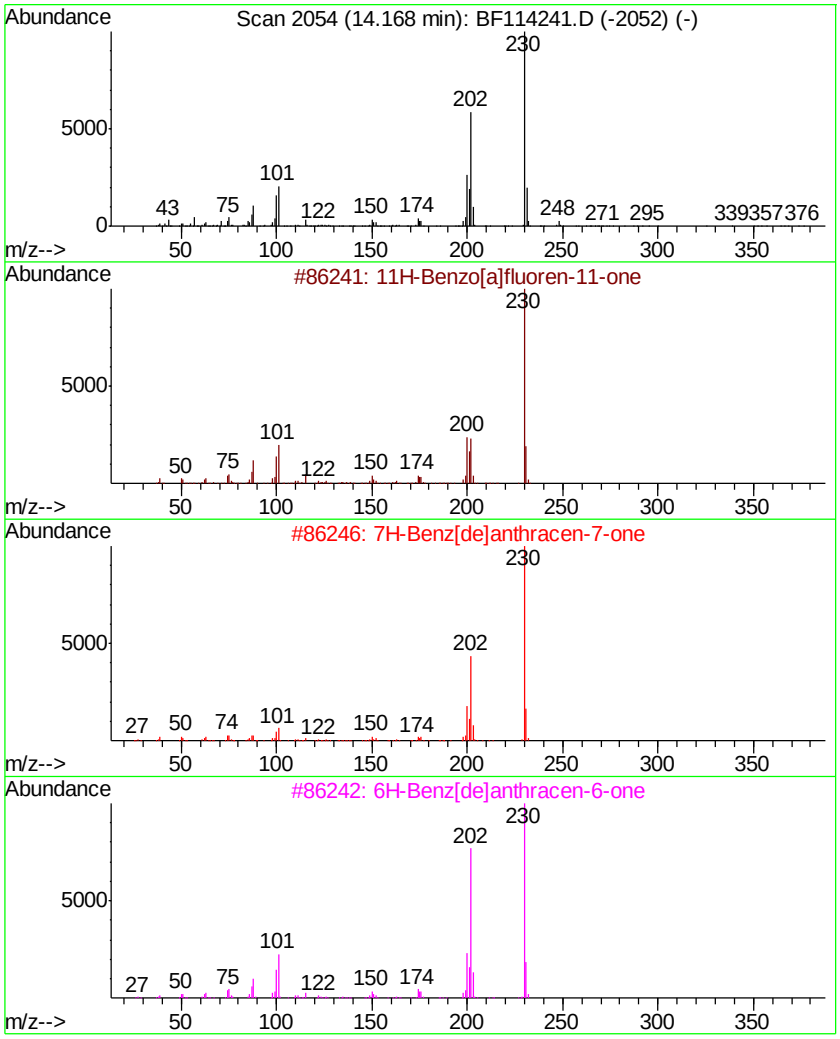
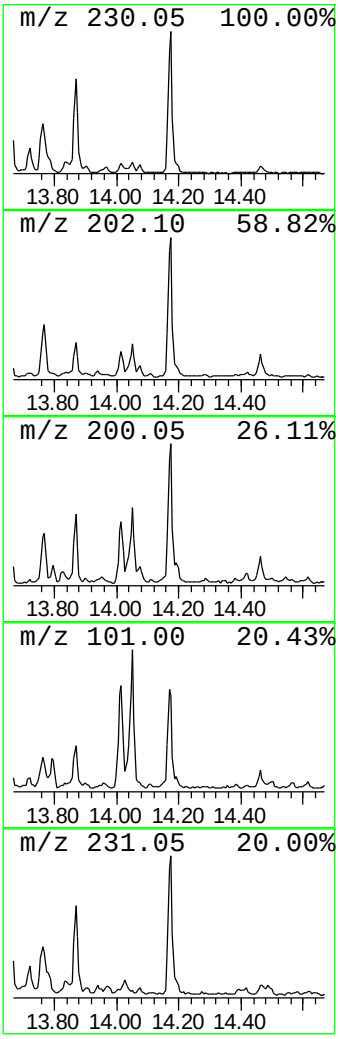
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	4.12 ng	826123	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	95
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	91
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	76





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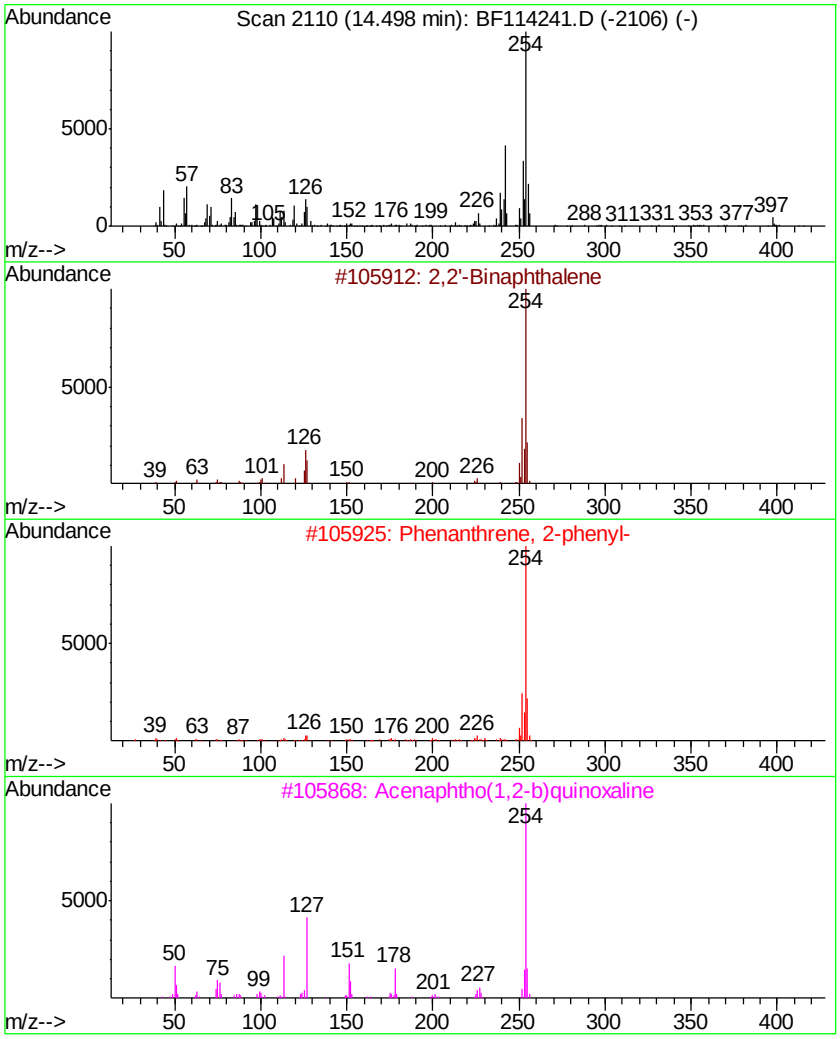
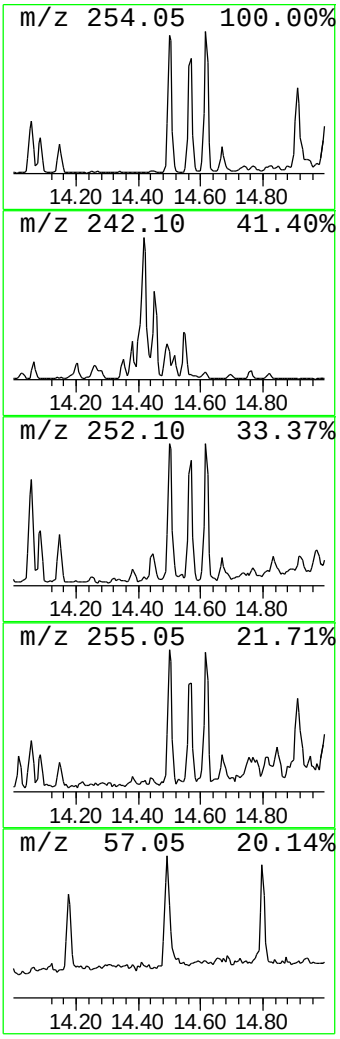
Peak Number 18 2,2'-Binaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	4.82 ng	967603	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Binaphthalene	254	C20H14	000612-78-2	70
2	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	55
3	Acenaphtho(1,2-b)quinoxaline	254	C18H10N2	000207-11-4	46
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	45
5	1-Octanamine, N,N-dioctyl-	353	C24H51N	001116-76-3	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114241.D
Acq On : 13 May 2019 20:37
Operator : JU/SJ
Sample : K2766-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-1218-01

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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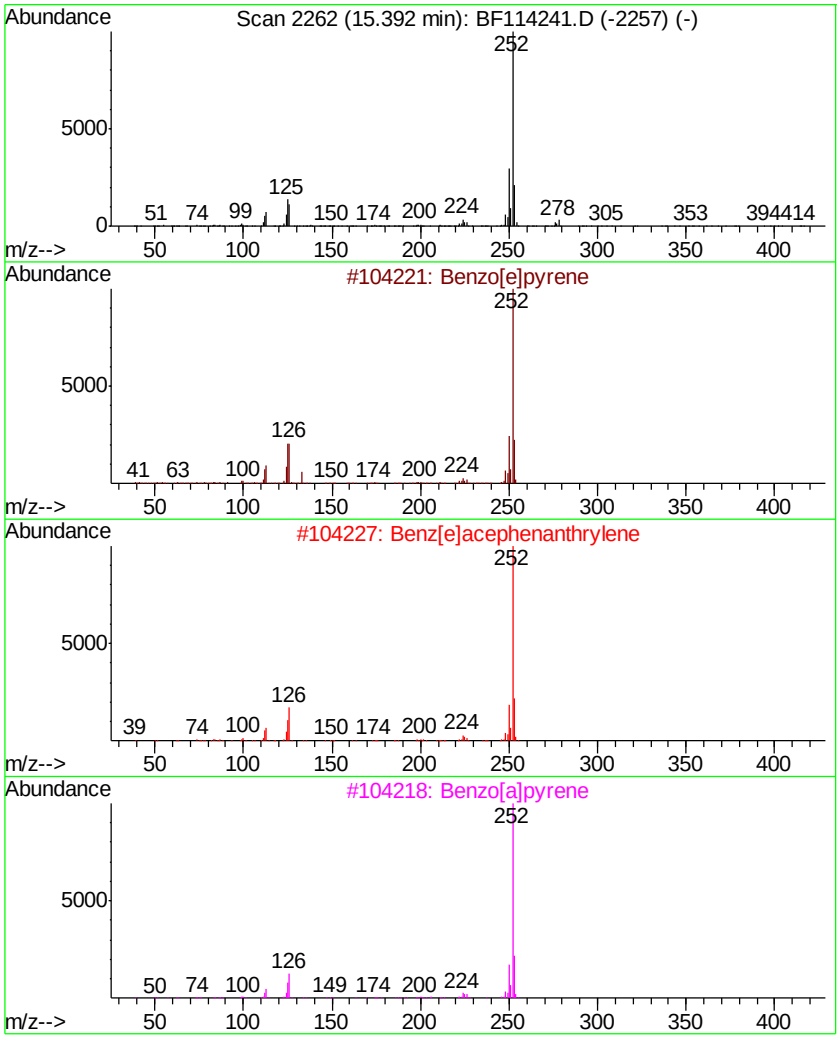
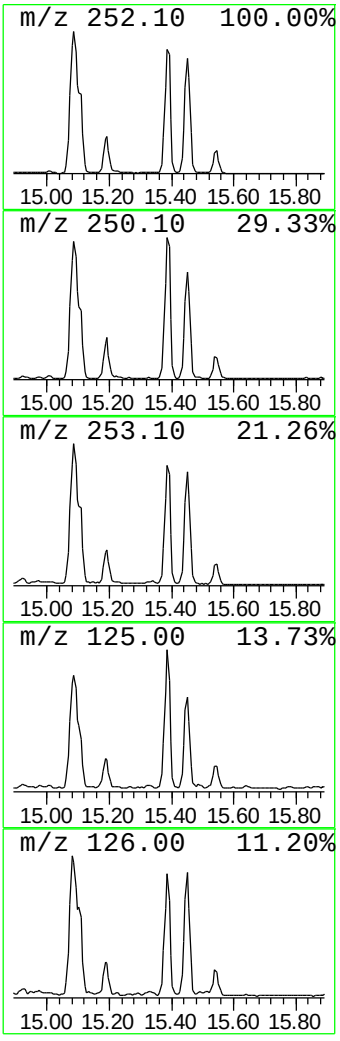
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	24.55 ng	1724830	Perylene-d12	15.52

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	97
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051319\
Data File : BF114241.D
Acq On : 13 May 2019 20:37
Operator : JU/SJ
Sample : K2766-21
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS009-1218-01

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.13	20.7	ng	1545790	1	6.86	1493230	20.0
unknown6.64	6.64	77.1	ng	5758370	1	6.86	1493230	20.0
Phenanthrene, 2-m...	11.88	7.8	ng	795955	4	11.38	2040790	20.0
Anthracene, 2-met...	11.90	12.4	ng	1263860	4	11.38	2040790	20.0
Phenanthrene, 1-m...	11.99	12.5	ng	1276550	4	11.38	2040790	20.0
Anthracene, 9-met...	12.02	5.7	ng	583308	4	11.38	2040790	20.0
Naphthalene, 2-ph...	12.17	6.6	ng	675577	4	11.38	2040790	20.0
9,10-Anthracenedione	12.20	6.8	ng	697056	4	11.38	2040790	20.0
Phenanthrene, 2,5...	12.43	8.2	ng	835130	4	11.38	2040790	20.0
Phenanthrene, 3,6...	12.46	4.9	ng	501685	4	11.38	2040790	20.0
Cyclopenta(def)ph...	12.52	6.9	ng	702020	4	11.38	2040790	20.0
Fluoranthene, 2-m...	13.04	4.5	ng	909241	5	14.03	4013590	20.0
Pyrene, 1-methyl-	13.26	4.2	ng	839319	5	14.03	4013590	20.0
5-Eicosene, (E)-	13.85	6.7	ng	1351470	5	14.03	4013590	20.0
11H-Benzo[a]fluor...	14.17	4.1	ng	826123	5	14.03	4013590	20.0
2,2'-Binaphthalene	14.50	4.8	ng	967603	5	14.03	4013590	20.0
Benzo[e]pyrene	15.39	24.6	ng	1724830	6	15.52	1405430	20.0