LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
Data File : BF112782.D
Acq On : 1 Mar 2019 00:54
Operator : JU/SJ
Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

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-BF022719.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	5.346	547	554	557	rBV	2045047	1874400	24.87%	1.799%
2	6.369	722	728	737	rBV	2259494	1995368	26.48%	1.916%
3	6.504	747	751	755	rBV	2061531	1989754	26.40%	1.910%
4	6.740	788	791	795	rBV	1290064	1123432	14.91%	1.079%
5	6.898	814	818	821	rBV	1824396	1509214	20.03%	1.449%
6	7.298	880	886	893	rBV	1325446	1220318	16.19%	1.172%
7	8.022	1005	1009	1012	rBV	1641798	1444585	19.17%	1.387%
8	9.098	1188	1192	1195	rBV	2062480	1845919	24.49%	1.772%
9	9.628	1277	1282	1286	rBV	297084	289551	3.84%	0.278%
10	9.769	1300	1306	1309	rBV	1446777	1346171	17.86%	1.292%
11	9.804	1309	1312	1315	rVB	452791	381584	5.06%	0.366%
12	9.975	1338	1341	1345	rBV	277743	233346	3.10%	0.224%
13	10.316	1395	1399	1405	rVB	500207	443025	5.88%	0.425%
14	10.475	1423	1426	1431	rVB	156417	152385	2.02%	0.146%
15	10.551	1435	1439	1444	rVV2	1321043	1187660	15.76%	1.140%
16	10.863	1485	1492	1494	rBV3	133759	187714	2.49%	0.180%
17	11.051	1522	1524	1529	rVB	190665	172706	2.29%	0.166%
18	11.104	1529	1533	1536	rBV3	117912	166198	2.21%	0.160%
19	11.145	1536	1540	1543	rVB	273845	241844	3.21%	0.232%
20	11.251	1554	1558	1559	rBV	1196838	1140879	15.14%	1.095%
21	11.275	1559	1562	1565	rVV	4404764	4166434	55.28%	4.000%
22	11.322	1565	1570	1573	rVV	1384503	1213604	16.10%	1.165%
23	11.357	1573	1576	1580	rVB3	134784	137940	1.83%	0.132%
24	11.475	1590	1596	1599	rBV2	487884	498363	6.61%	0.478%
25	11.545	1603	1608	1611	rVV3	128857	162247	2.15%	0.156%
26	11.751	1637	1643	1645	rBV	610611	609181	8.08%	0.585%
27	11.775	1645	1647	1652	rVV	905086	990334	13.14%	0.951%
28	11.822	1652	1655	1658	rVV	367718	327099	4.34%	0.314%
29	11.857	1658	1661	1664	rVV	1142930	1262541	16.75%	1.212%
30	11.880	1664	1665	1668	rVB	482494	310331	4.12%	0.298%
31	12.045	1690	1693	1694	rBV	560453	451203	5.99%	0.433%
32	12.063	1694	1696	1700	rVV	446411	348196	4.62%	0.334%
33	12.192	1716	1718	1721	rVB2	181882	151649	2.01%	0.146%
34	12.298	1730	1736	1739	rBV	430039	493065	6.54%	0.473%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
Data File : BF112782.D
Acq On : 1 Mar 2019 00:54
Operator : JU/SJ
Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.333	1739	1742	1744	rVV	241438	244821	3.25%	0.235%
36	12.380	1747	1750	1755	rVB2	311616	393844	5.23%	0.378%
37	12.469	1759	1765	1767	rBV	5597514	6755494	89.64%	6.485%
38	12.510	1767	1772	1776	rBV3	144197	203733	2.70%	0.196%
39	12.604	1784	1788	1794	rVB2	291156	385724	5.12%	0.370%
40	12.692	1797	1803	1806	rBV2	5580095	7536548	100.00%	7.235%
41	12.733	1808	1810	1816	rVB2	369243	405169	5.38%	0.389%
42	12.804	1818	1822	1824	rBV	506678	493273	6.55%	0.474%
43	12.827	1824	1826	1833	rVB2	1752201	1805461	23.96%	1.733%
44	12.904	1833	1839	1842	rBV2	530219	901407	11.96%	0.865%
45	12.963	1846	1849	1851	rBV3	122505	160962	2.14%	0.155%
46	12.986	1851	1853	1855	rVV2	399620	453631	6.02%	0.435%
47	13.010	1855	1857	1860	rVB	1275200	1065022	14.13%	1.022%
48	13.074	1865	1868	1871	rBV	952071	862136	11.44%	0.828%
49	13.116	1871	1875	1877	rBV	765445	780709	10.36%	0.749%
50	13.139	1877	1879	1882	rVB2	195155	186756	2.48%	0.179%
51	13.169	1882	1884	1887	rBV	169432	167970	2.23%	0.161%
52	13.204	1887	1890	1893	rVB	409376	316001	4.19%	0.303%
53	13.233	1893	1895	1899	rBV	444622	402373	5.34%	0.386%
54	13.310	1905	1908	1918	rVB5	142151	293858	3.90%	0.282%
55	13.386	1918	1921	1923	rBV2	152840	201927	2.68%	0.194%
56	13.516	1936	1943	1948	rBV	557678	822459	10.91%	0.790%
57	13.627	1957	1962	1964	rBV2	771453	952339	12.64%	0.914%
58	13.657	1964	1967	1969	rVV	753014	815454	10.82%	0.783%
59	13.674	1969	1970	1975	rVV2	682984	948425	12.58%	0.910%
60	13.722	1975	1978	1984	rVB	661746	850914	11.29%	0.817%
61	13.792	1984	1990	1994	rBV2	217586	310463	4.12%	0.298%
62	13.874	1997	2004	2007	rVV2	4255378	6555393	86.98%	6.293%
63	13.910	2007	2010	2015	rVV	3946354	3998177	53.05%	3.838%
64	13.986	2015	2023	2025	rVV	923063	1023257	13.58%	0.982%
65	14.016	2025	2028	2030	rVV	341643	364631	4.84%	0.350%
66	14.063	2033	2036	2038	rVV2	564741	528990	7.02%	0.508%
67	14.092	2038	2041	2046	rVV2	564552	726546	9.64%	0.697%
68	14.133	2046	2048	2050	rVB	176879	141250	1.87%	0.136%
69	14.198	2055	2059	2061	rBV3	251490	262831	3.49%	0.252%
70	14.227	2061	2064	2066	rBV	244242	251094	3.33%	0.241%
71	14.263	2066	2070	2073	rBV	798534	751878	9.98%	0.722%

LSC Area Percent Report

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Acq On : 1 Mar 2019 00:54
Operator : JU/SJ
Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

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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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.292	2073	2075	2079	rVB2	480527	472261	6.27%	0.453%
73	14.357	2079	2086	2089	rBV4	485370	797414	10.58%	0.766%
74	14.386	2089	2091	2092	rBV	339686	223308	2.96%	0.214%
75	14.404	2092	2094	2098	rVB3	562372	543135	7.21%	0.521%
76	14.457	2098	2103	2109	rVB4	308562	527055	6.99%	0.506%
77	14.557	2117	2120	2123	rBV2	301181	390678	5.18%	0.375%
78	14.586	2123	2125	2130	rVB2	211552	249043	3.30%	0.239%
79	14.639	2131	2134	2136	rBV2	154226	142140	1.89%	0.136%
80	14.663	2136	2138	2144	rVB4	274014	325329	4.32%	0.312%
81	14.733	2145	2150	2154	rBV2	308644	507936	6.74%	0.488%
82	14.804	2158	2162	2165	rBV3	178237	230939	3.06%	0.222%
83	14.839	2165	2168	2172	rVB	141411	168665	2.24%	0.162%
84	14.898	2172	2178	2181	rBV	3334406	6107485	81.04%	5.863%
85	14.992	2190	2194	2197	rVB	1032352	1113418	14.77%	1.069%
86	15.074	2204	2208	2209	rBV3	227136	258171	3.43%	0.248%
87	15.133	2215	2218	2220	rBV3	148606	154403	2.05%	0.148%
88	15.180	2220	2226	2231	rVB	2167385	3198221	42.44%	3.070%
89	15.245	2231	2237	2241	rVB	3142864	4168109	55.31%	4.001%
90	15.292	2241	2245	2247	rBV	1165435	1385027	18.38%	1.330%
91	15.321	2247	2250	2257	rVB	1192639	1635918	21.71%	1.570%
92	15.745	2317	2322	2326	rBV3	217067	358043	4.75%	0.344%
93	15.810	2330	2333	2343	rVB2	277104	422541	5.61%	0.406%
94	16.480	2440	2447	2449	rBV2	268173	549987	7.30%	0.528%
95	16.662	2471	2478	2484	rVB2	1416635	2799658	37.15%	2.688%
96	16.721	2485	2488	2493	rVB	102250	146912	1.95%	0.141%
97	16.815	2499	2504	2508	rVB	236394	371347	4.93%	0.356%
98	16.868	2509	2513	2518	rBV2	216935	376932	5.00%	0.362%
99	17.068	2539	2547	2561	rVB	1012468	2310693	30.66%	2.218%
100	17.274	2577	2582	2597	rVB2	365111	841738	11.17%	0.808%

Sum of corrected areas: 104165666

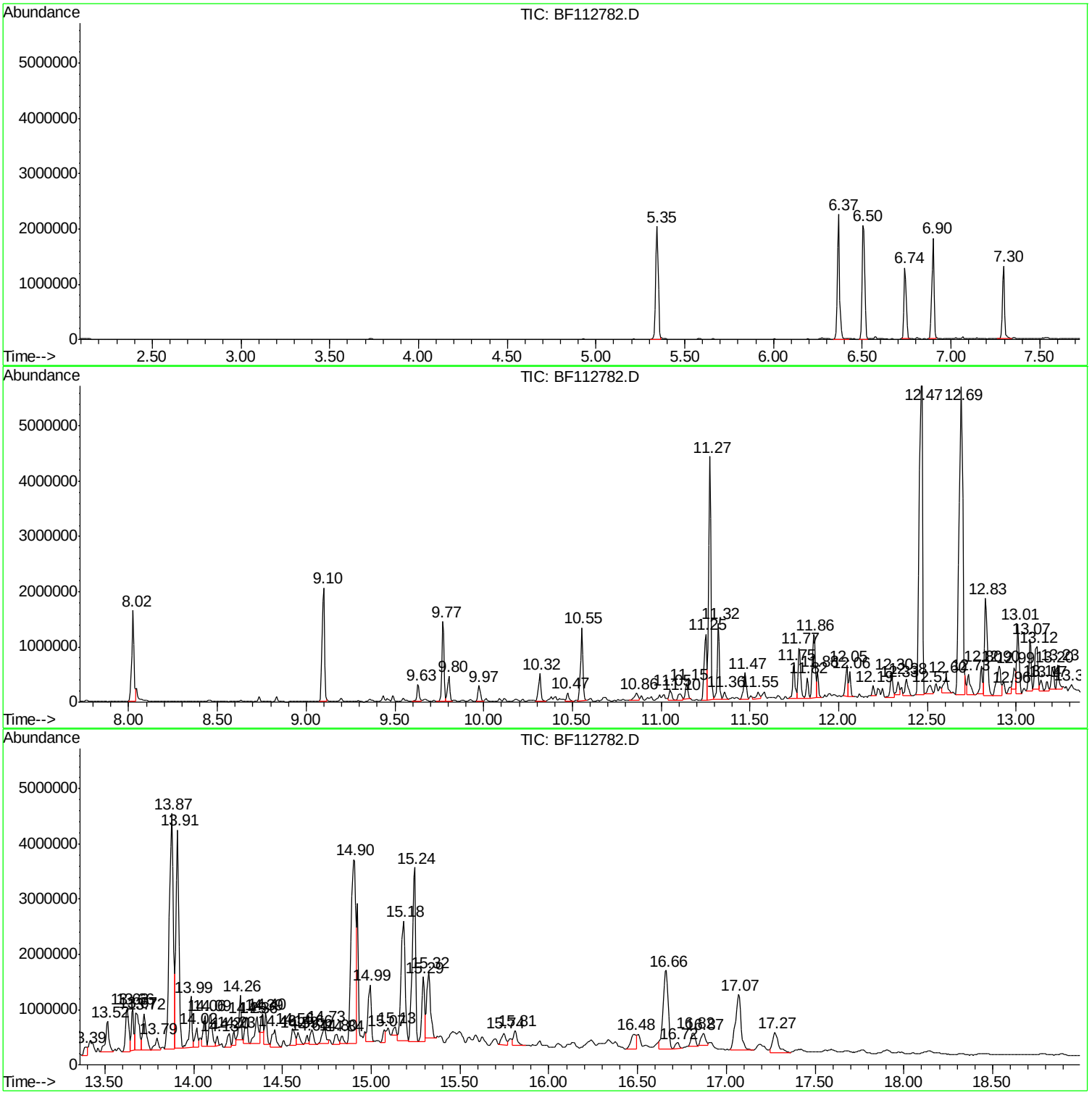
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
Data File : BF112782.D
Acq On : 1 Mar 2019 00:54
Operator : JU/SJ
Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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\BF022819\
Data File : BF112782.D
Acq On : 1 Mar 2019 00:54
Operator : JU/SJ
Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

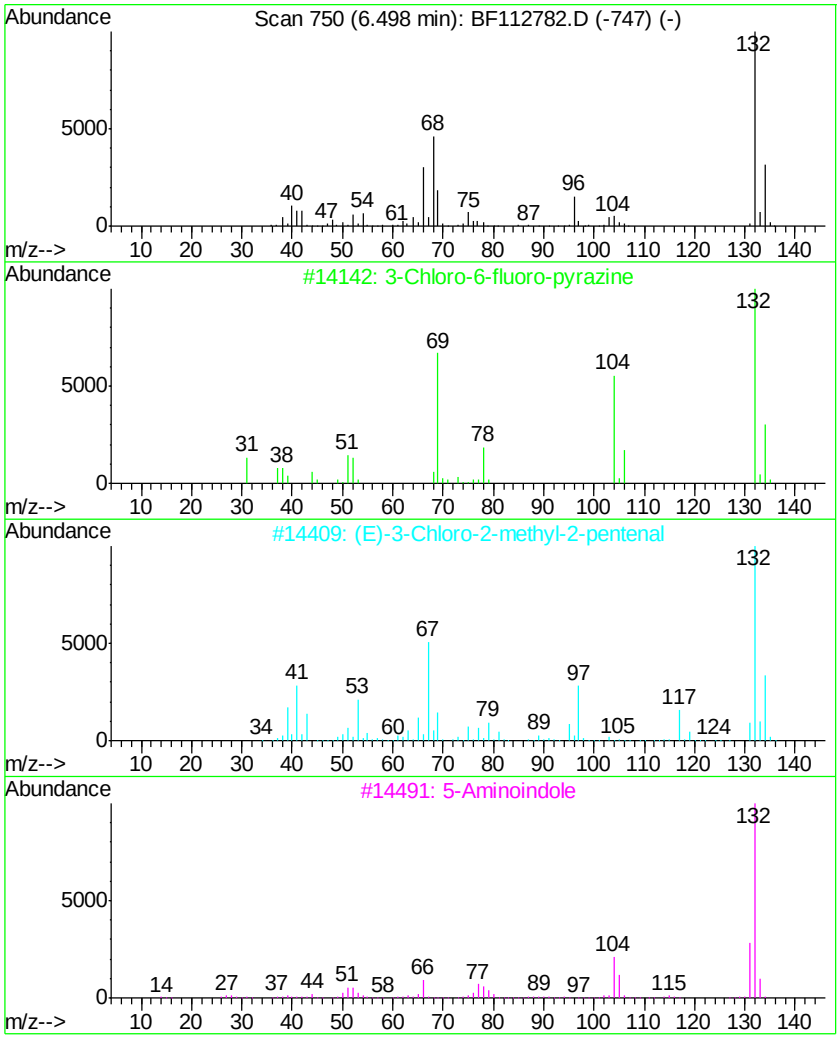
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

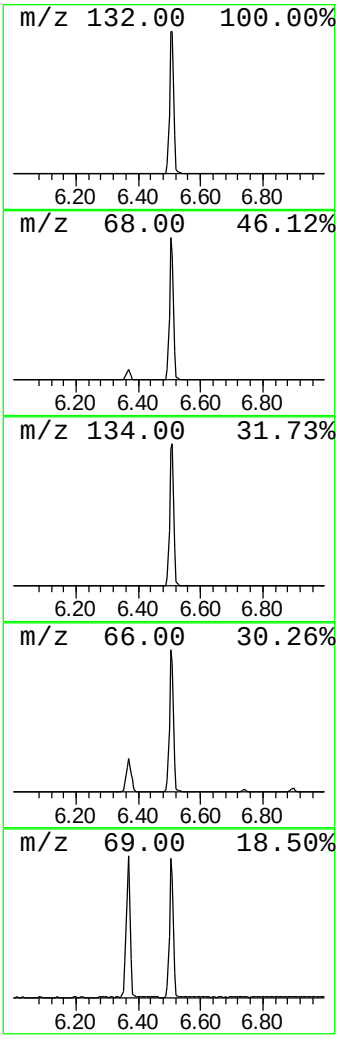
****

Peak Number 1 unknown6.50 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	35.42 ng	1989750	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Amphetaminil	250	C17H18N2	017590-01-1	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
Data File : BF112782.D
Acq On : 1 Mar 2019 00:54
Operator : JU/SJ
Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

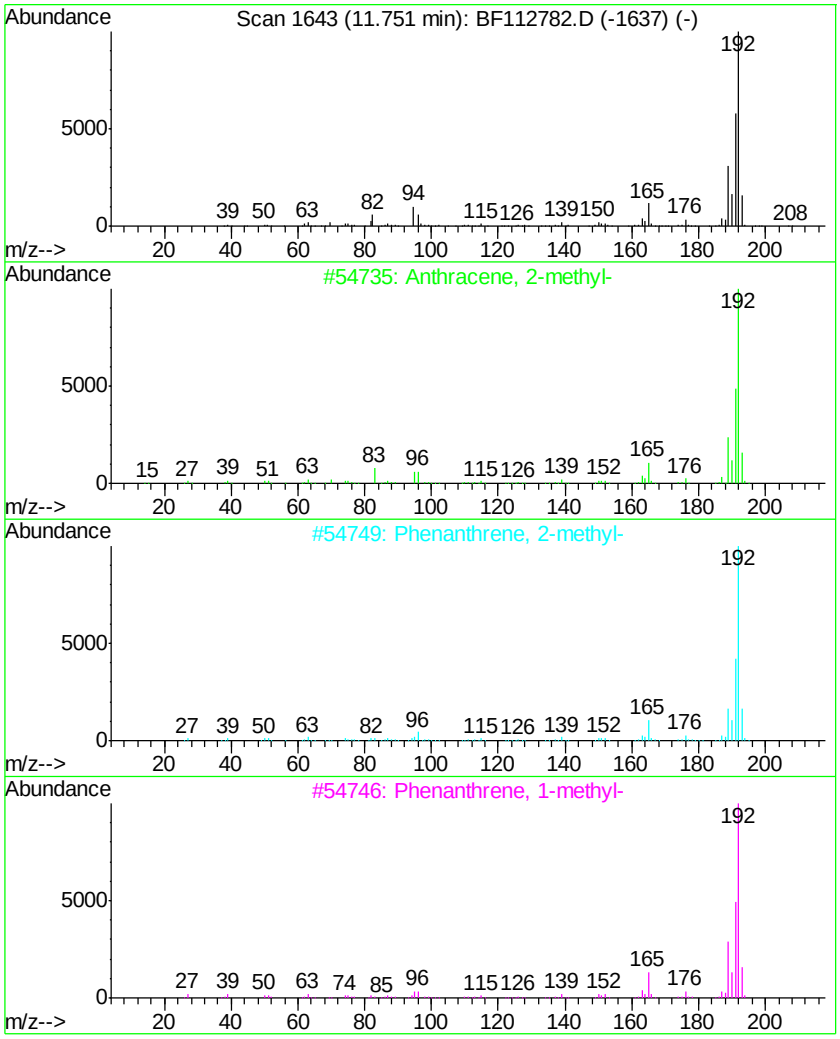
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

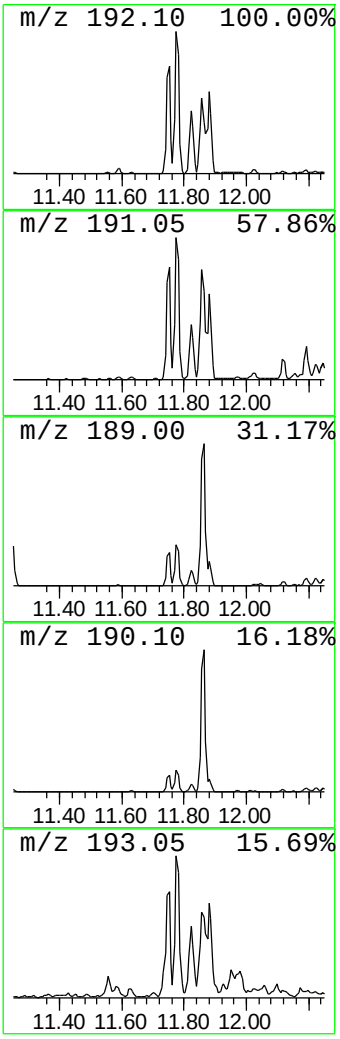
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	10.68 ng	609181	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
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Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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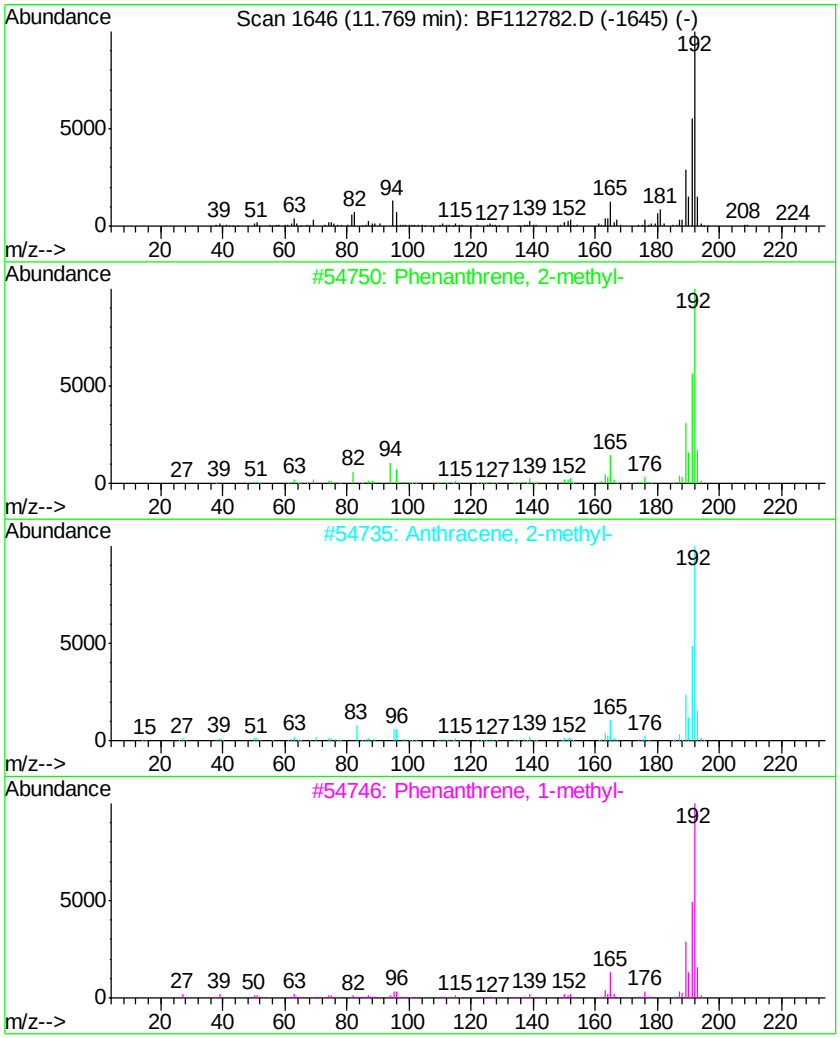
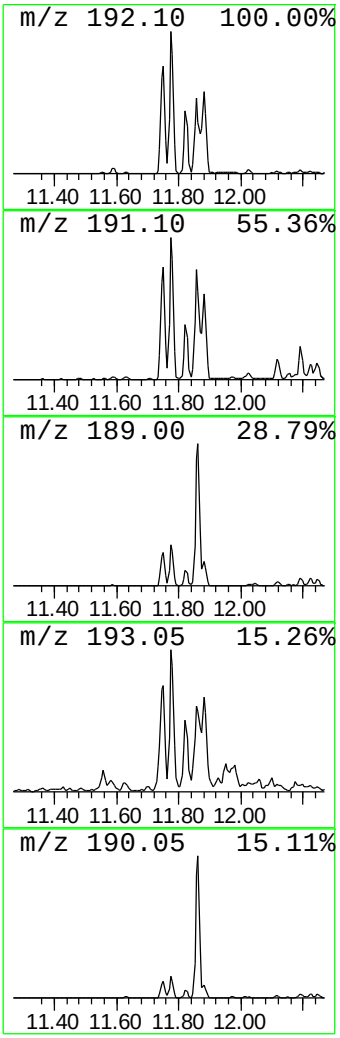
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	17.36 ng	990334	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

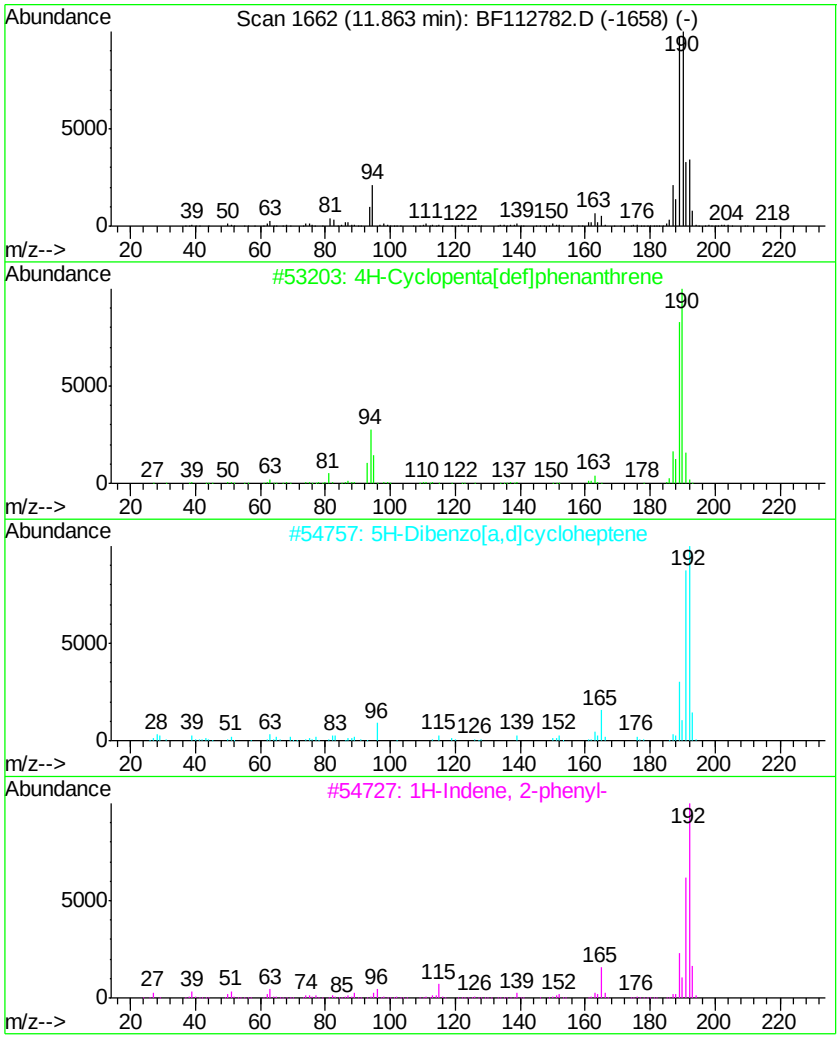
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

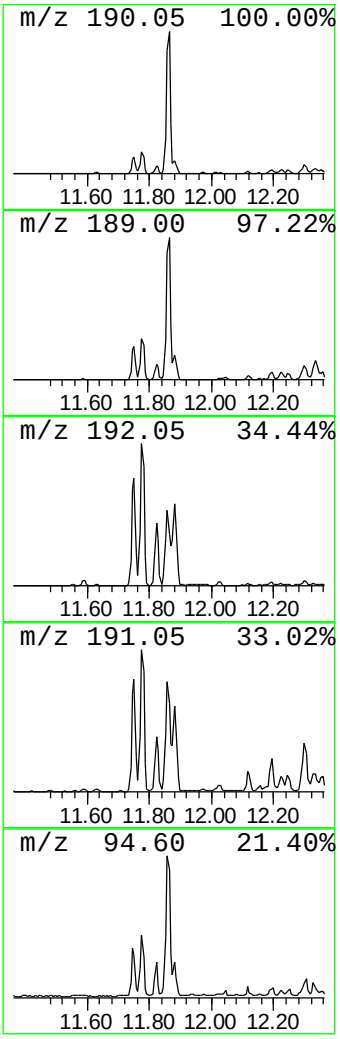
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	22.13 ng	1262540	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	18
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	15
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	15





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
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Acq On : 1 Mar 2019 00:54
Operator : JU/SJ
Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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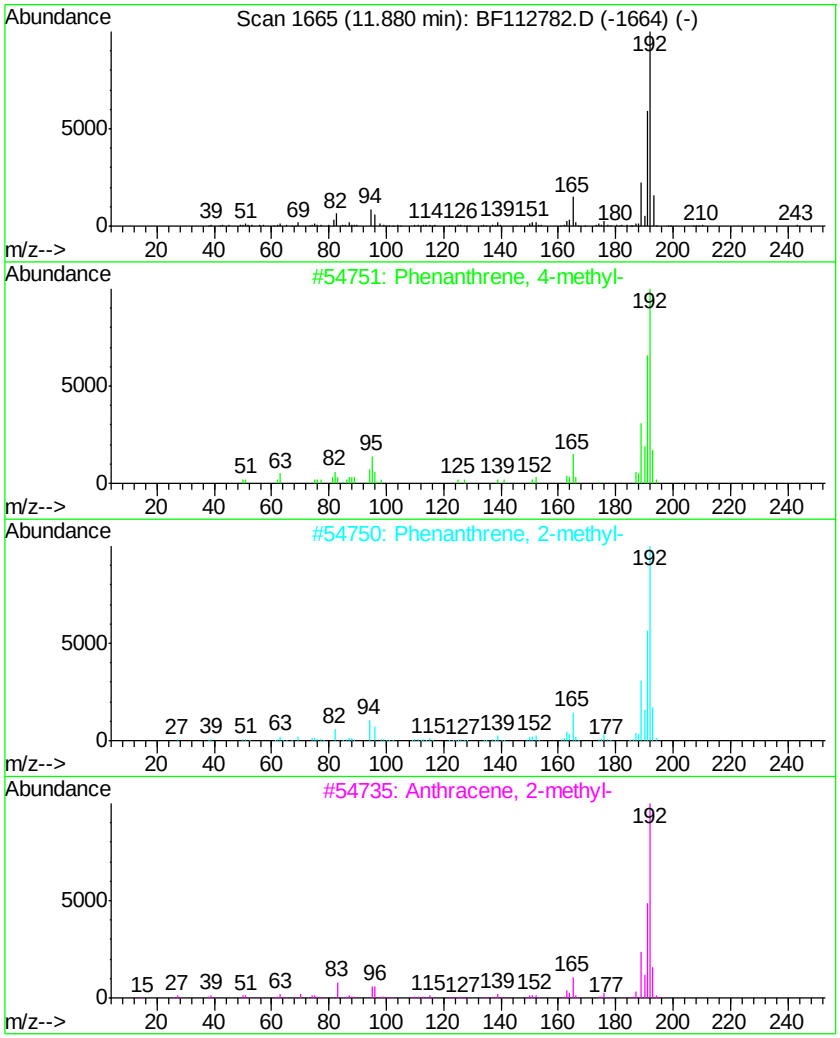
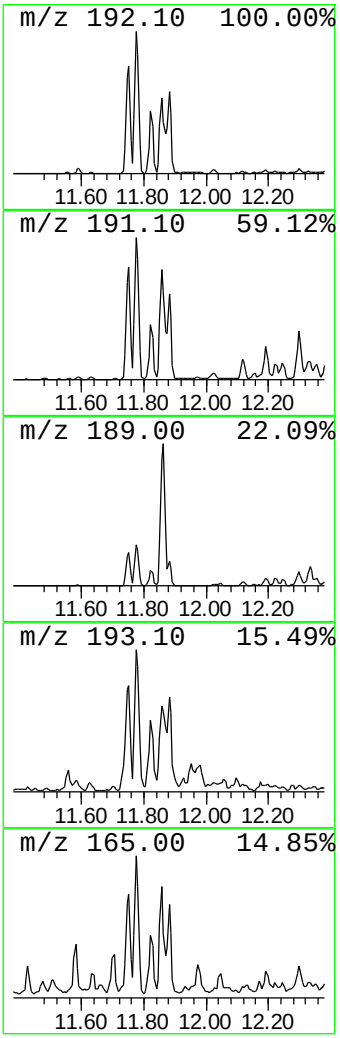
Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	5.44 ng	310331	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81





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Data File : BF112782.D
Acq On : 1 Mar 2019 00:54
Operator : JU/SJ
Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

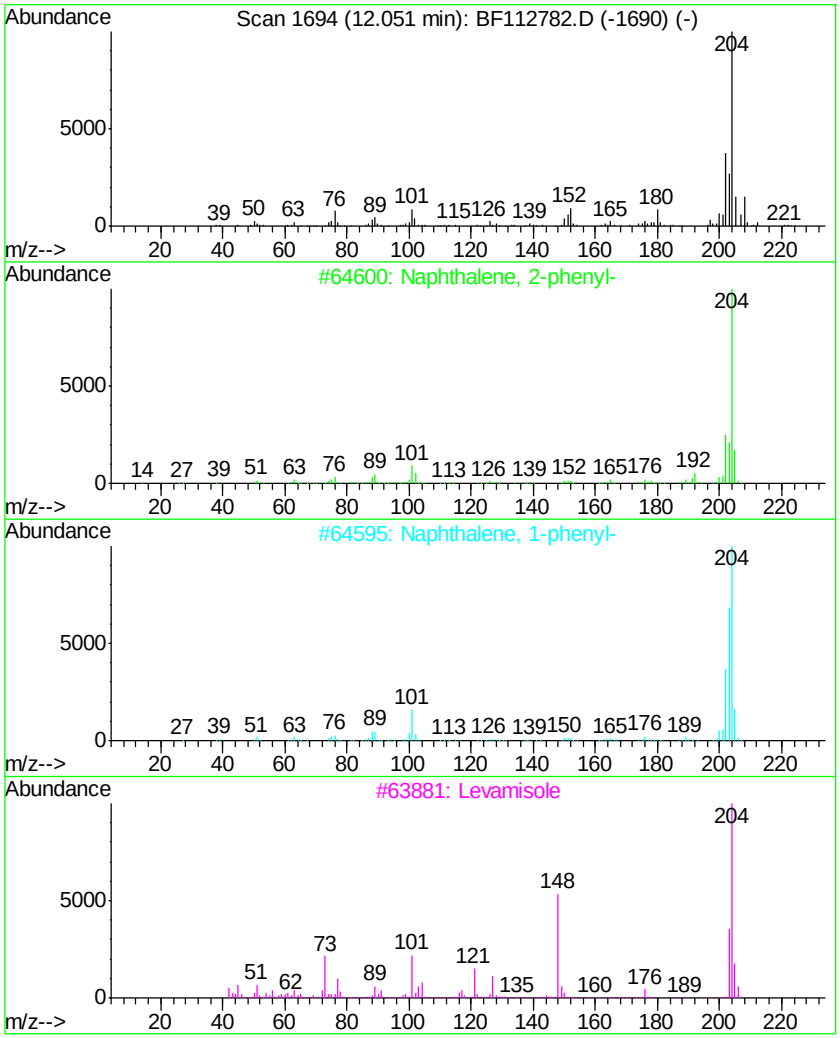
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

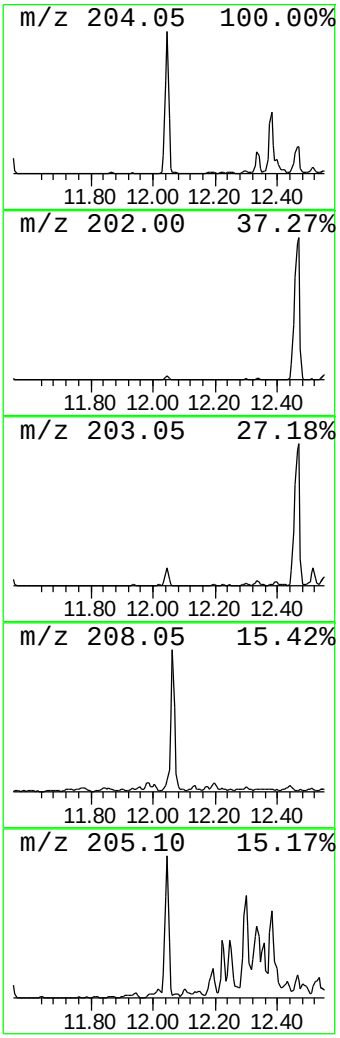
****

Peak Number 8 Naphthalene, 1-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	7.91 ng	451203	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
3	Levamisole	204	C11H12N2S	014769-73-4	58
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53





Library Search Compound Report

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Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

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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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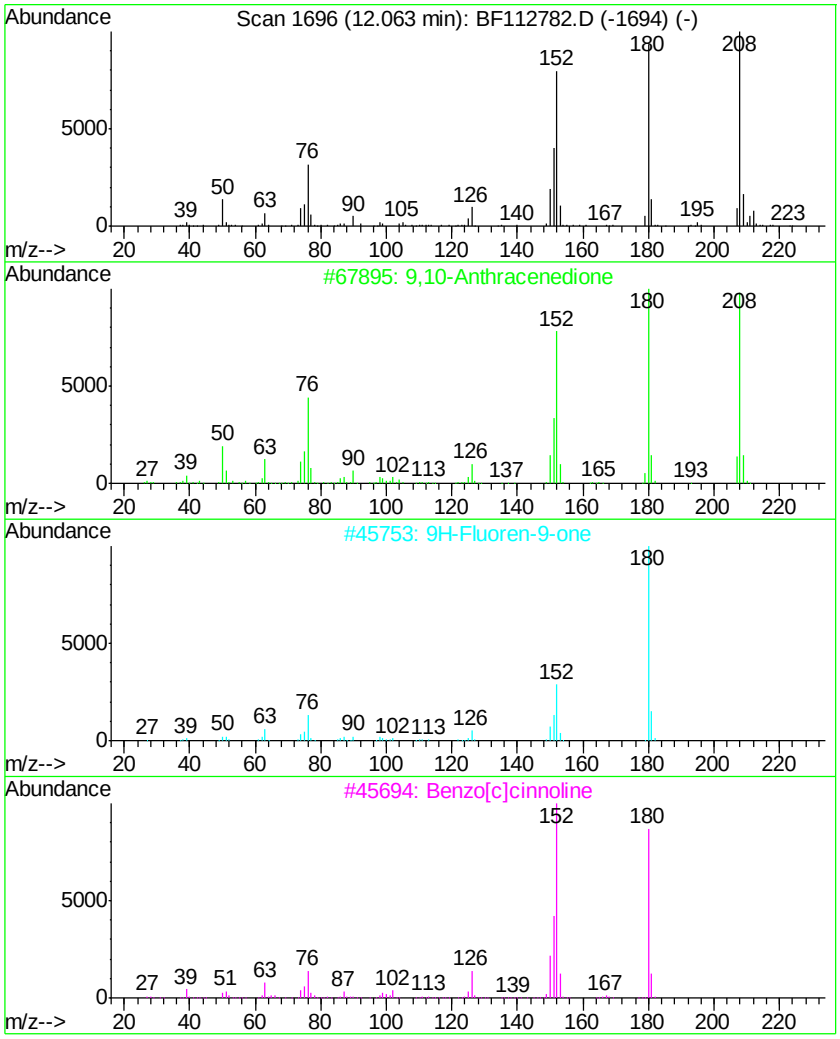
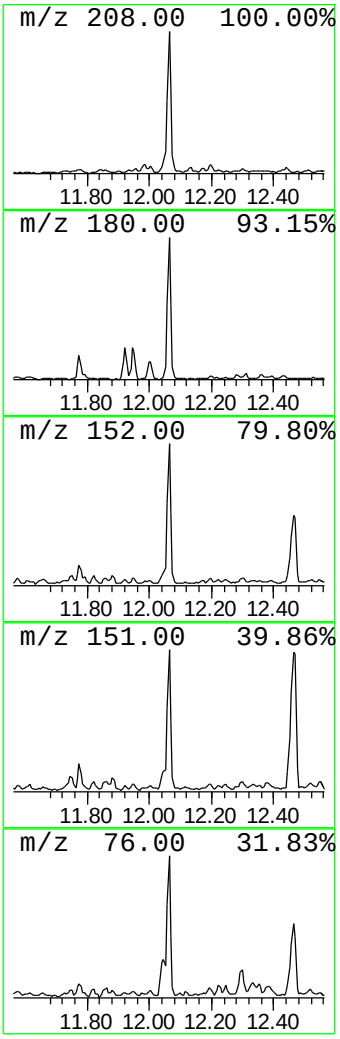
Peak Number 9 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	6.10 ng	348196	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	52
5	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	49





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Operator : JU/SJ
Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

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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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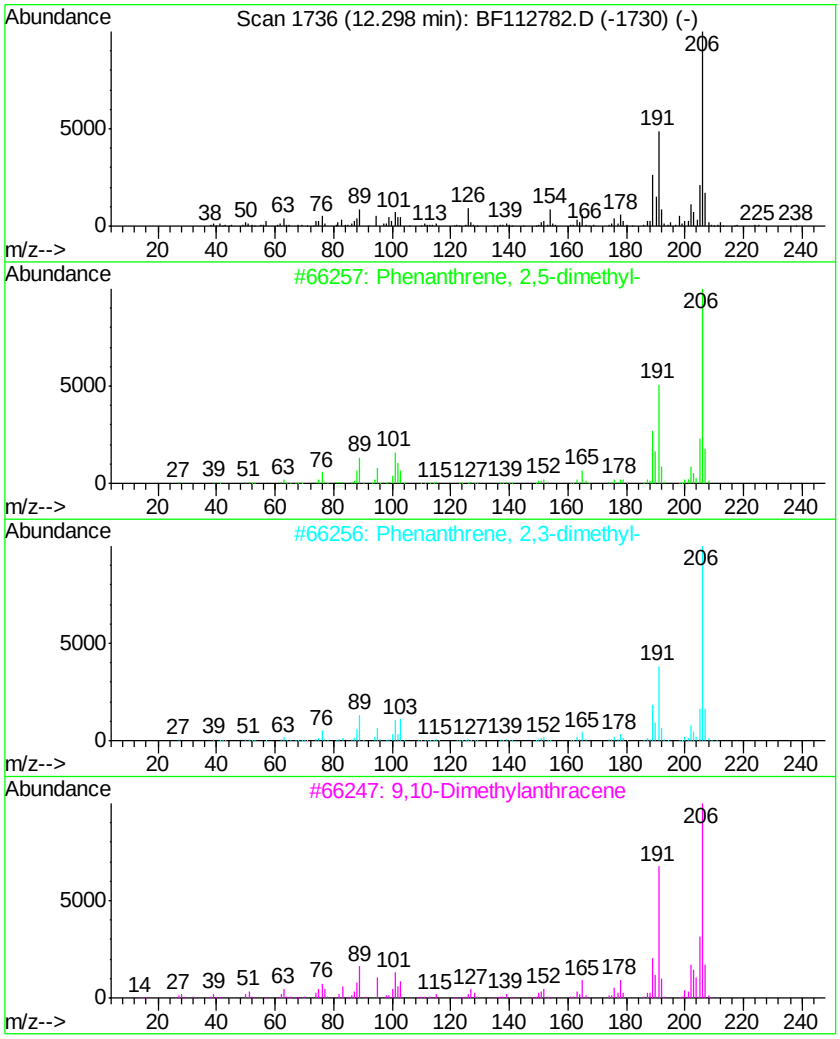
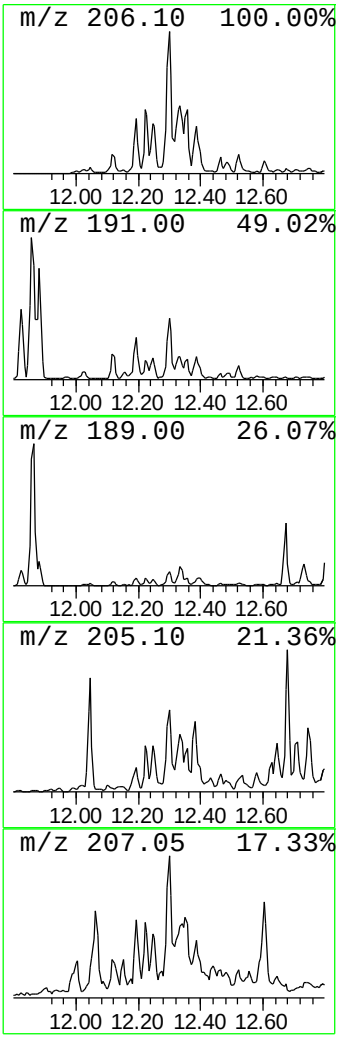
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	8.64 ng	493065	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Operator : JU/SJ
Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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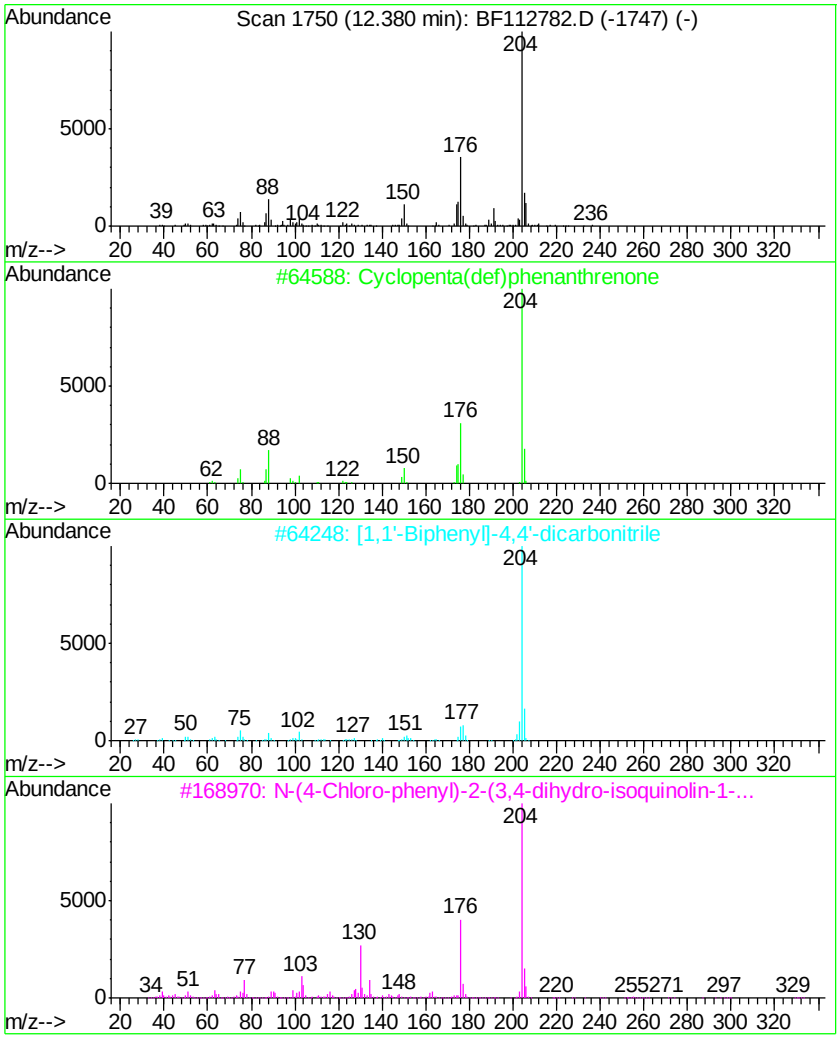
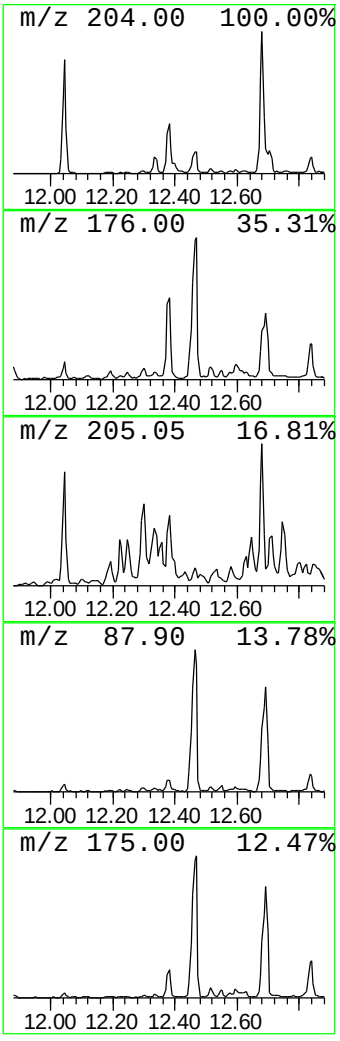
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	6.90 ng	393844	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
4	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	50
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49





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Operator : JU/SJ
Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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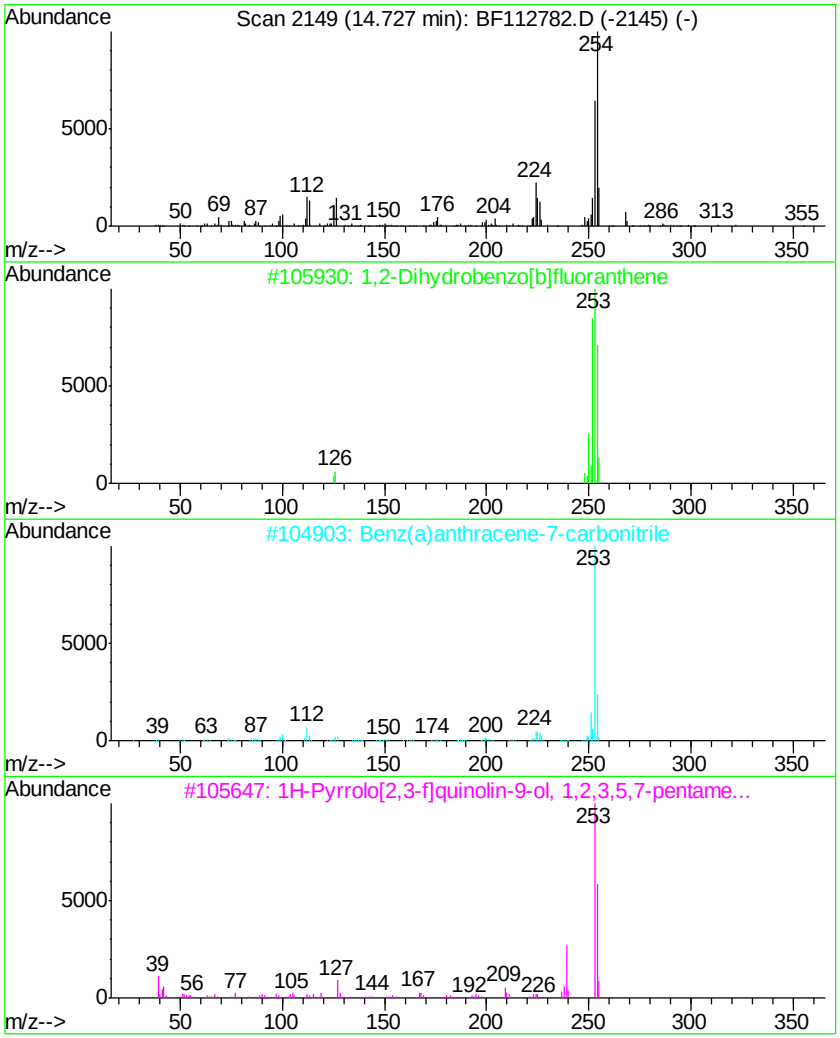
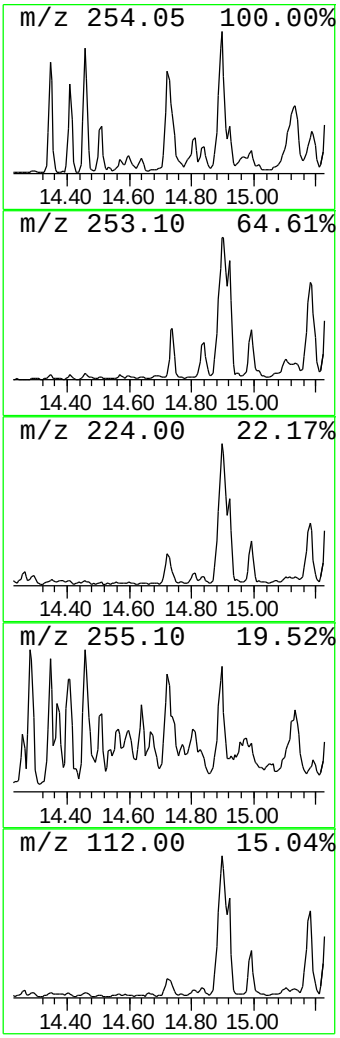
Peak Number 12 1,2-Dihydrobenzo[b]fluorant... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	7.33 ng	507936	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	72
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	70
3	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	45
4	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	43
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	43





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Acq On : 1 Mar 2019 00:54
Operator : JU/SJ
Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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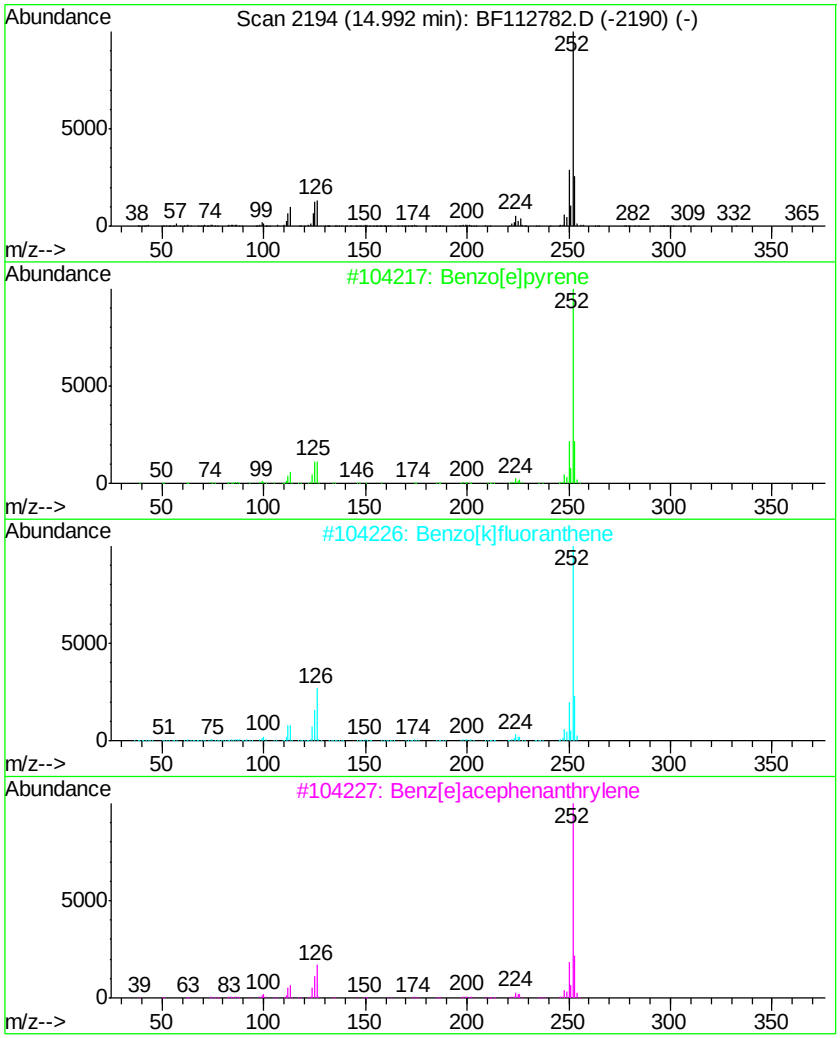
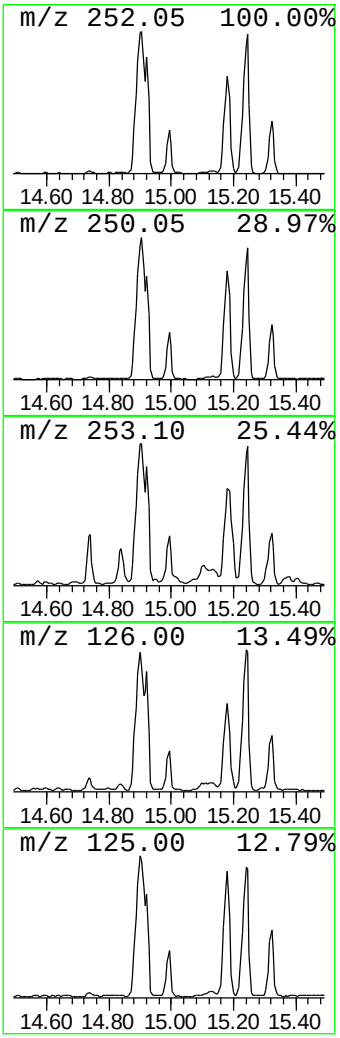
Peak Number 13 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	16.08 ng	1113420	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

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Data File : BF112782.D
Acq On : 1 Mar 2019 00:54
Operator : JU/SJ
Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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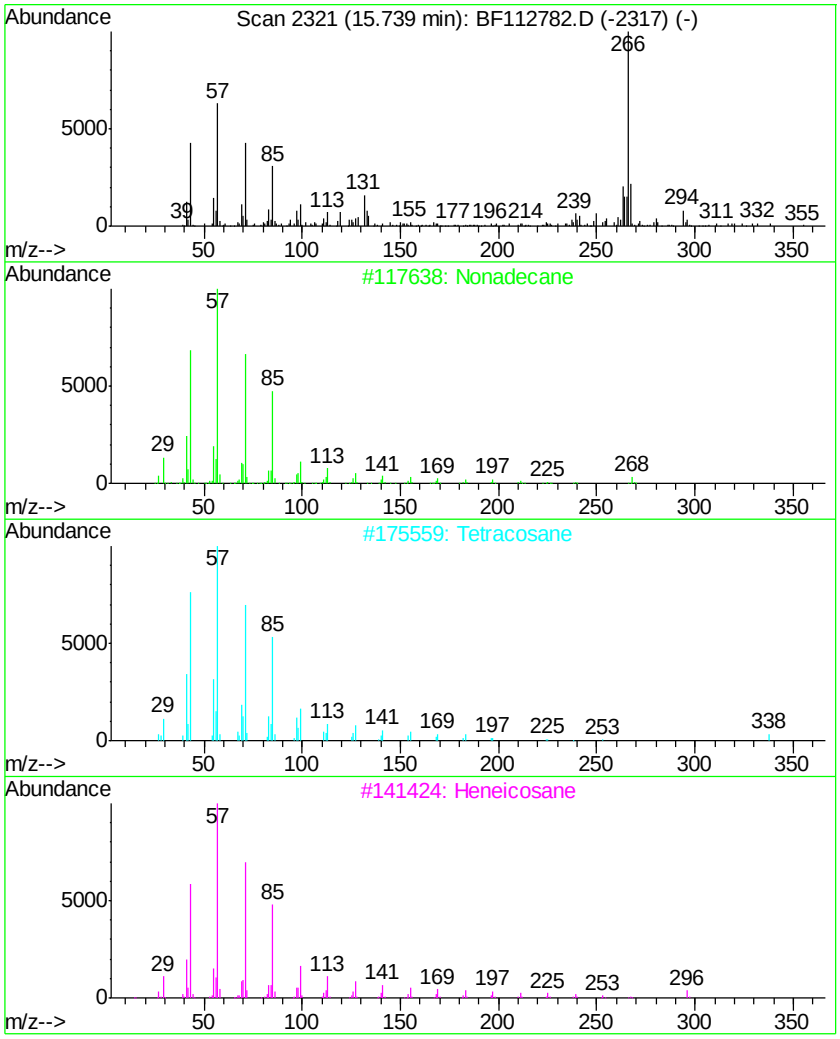
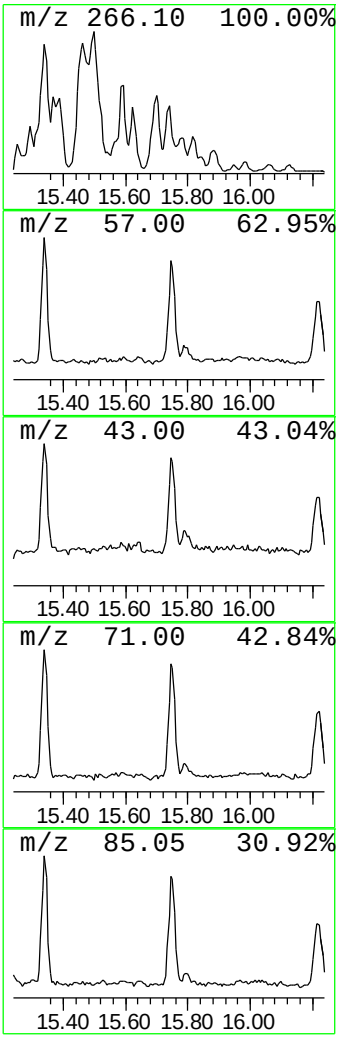
Peak Number 15 Nonadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	5.17 ng	358043	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Tetracosane	338	C24H50	000646-31-1	86
3	Heneicosane	296	C21H44	000629-94-7	86
4	Octadecane	254	C18H38	000593-45-3	83
5	Tricosane, 2-methyl-	338	C24H50	001928-30-9	64





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Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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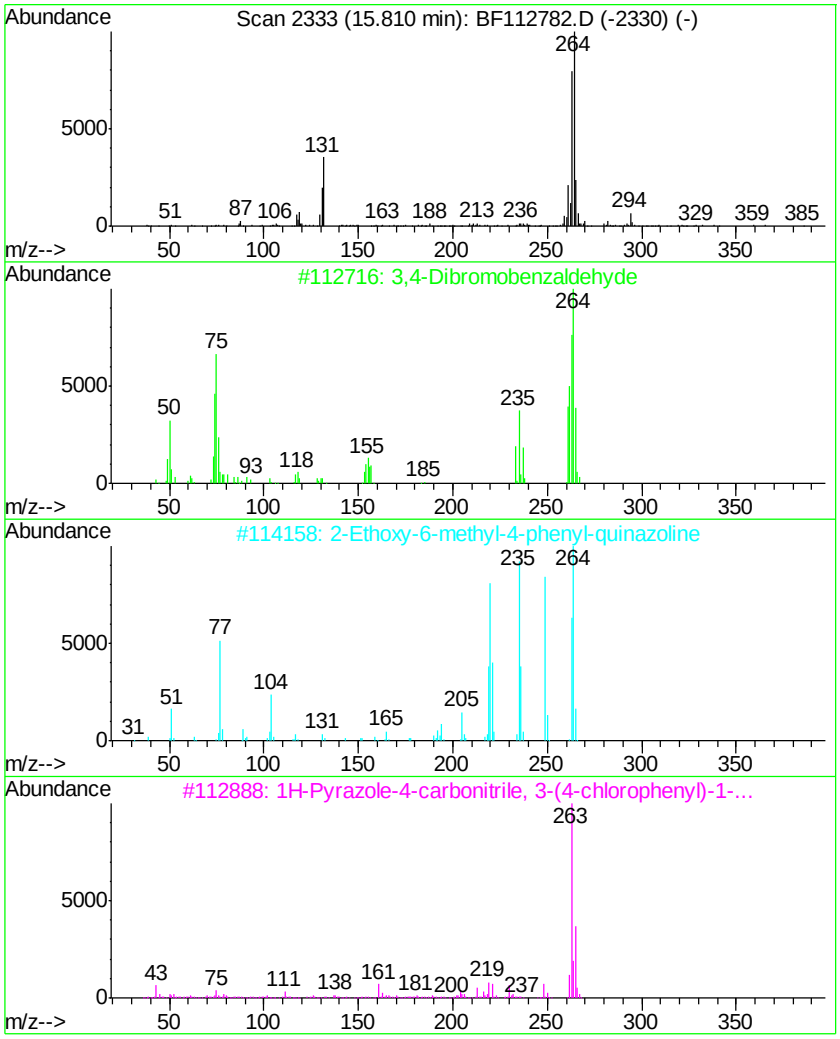
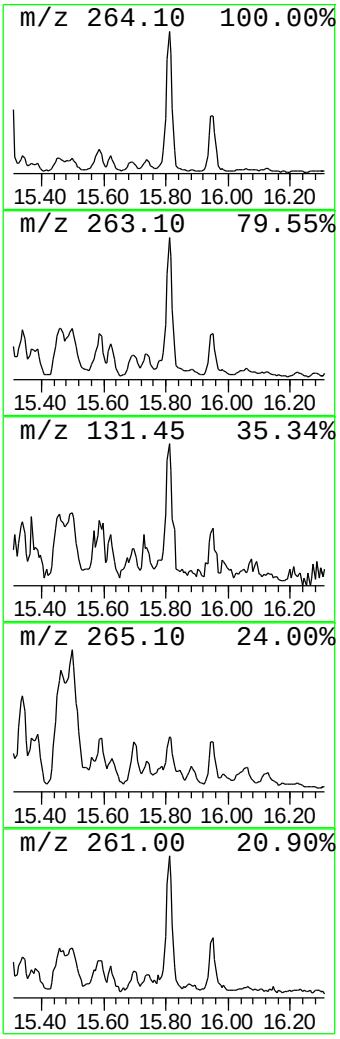
Peak Number 16 3,4-Dibromobenzaldehyde Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	6.10 ng	422541	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
2	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	38
3	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35
4	Phenyl t-butyl telluride	264	C10H14Te	083817-38-3	35
5	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	22





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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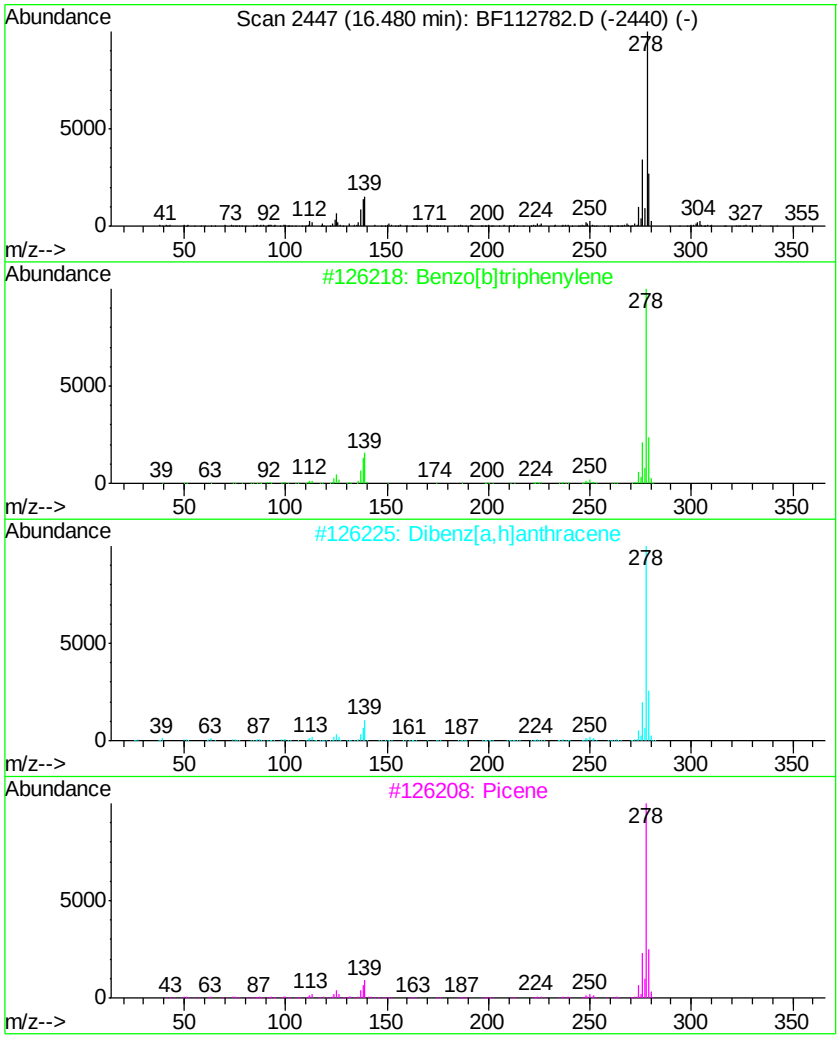
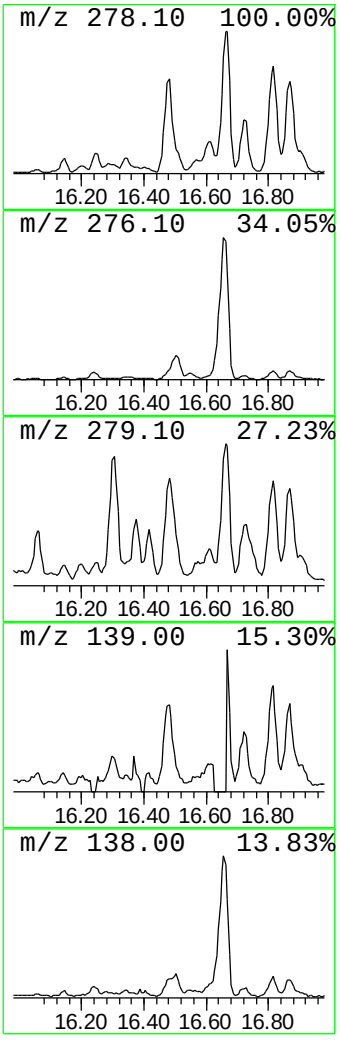
Peak Number 17 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	7.94 ng	549987	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
3	Picene	278	C22H14	000213-46-7	95
4	Pentaphene	278	C22H14	000222-93-5	94
5	Benzo[b]chrysene	278	C22H14	000214-17-5	93





Tentatively Identified Compound (LSC) summary

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Data File : BF112782.D
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Operator : JU/SJ
Sample : K1650-12 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-6(4-5)

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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
unknown6.50	6.50	35.4	ng	1989750	1	6.74	1123430	20.0
Anthracene, 2-met...	11.75	10.7	ng	609181	4	11.25	1140880	20.0
Phenanthrene, 2-m...	11.77	17.4	ng	990334	4	11.25	1140880	20.0
4H-Cyclopenta[def...	11.86	22.1	ng	1262540	4	11.25	1140880	20.0
Phenanthrene, 4-m...	11.88	5.4	ng	310331	4	11.25	1140880	20.0
Naphthalene, 1-ph...	12.05	7.9	ng	451203	4	11.25	1140880	20.0
9,10-Anthracenedione	12.06	6.1	ng	348196	4	11.25	1140880	20.0
Phenanthrene, 2,5...	12.30	8.6	ng	493065	4	11.25	1140880	20.0
Cyclopenta(def)ph...	12.38	6.9	ng	393844	4	11.25	1140880	20.0
1,2-Dihydrobenzo[...	14.73	7.3	ng	507936	6	15.29	1385030	20.0
Benzo[e]pyrene	14.99	16.1	ng	1113420	6	15.29	1385030	20.0
Nonadecane	15.74	5.2	ng	358043	6	15.29	1385030	20.0
3,4-Dibromobenzal...	15.81	6.1	ng	422541	6	15.29	1385030	20.0
Benzo[b]triphenylene	16.48	7.9	ng	549987	6	15.29	1385030	20.0