LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116209.D
Acq On : 13 Aug 2019 00:35
Operator : HP/JU
Sample : K4223-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-7

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-BF073019.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	5.457	570	573	602	rBV	1793461	2113541	84.02%	4.188%
2	6.469	742	745	761	rBV	1980740	2246499	89.30%	4.452%
3	6.604	765	768	778	rVB	2467355	2250379	89.46%	4.460%
4	6.834	804	807	818	rVB	846436	747222	29.70%	1.481%
5	6.987	830	833	851	rVB	1910851	1809738	71.94%	3.586%
6	7.392	899	902	924	rBV	1240454	1474130	58.60%	2.921%
7	8.116	1021	1025	1032	rBV	813151	920044	36.57%	1.823%
8	9.186	1203	1207	1217	rBV	2776420	2515564	100.00%	4.985%
9	9.304	1223	1227	1231	rBV	96597	98728	3.92%	0.196%
10	9.522	1262	1264	1269	rVV	127422	109847	4.37%	0.218%
11	9.581	1271	1274	1279	rVV	404832	394912	15.70%	0.783%
12	9.622	1279	1281	1287	rVB2	52585	52516	2.09%	0.104%
13	9.869	1319	1323	1326	rBV	1293444	1188143	47.23%	2.355%
14	9.892	1326	1327	1333	rVB3	122754	98368	3.91%	0.195%
15	9.939	1333	1335	1339	rVB2	55837	45915	1.83%	0.091%
16	9.986	1339	1343	1347	rBV	214408	204247	8.12%	0.405%
17	10.022	1347	1349	1352	rVB	50901	44443	1.77%	0.088%
18	10.098	1355	1362	1366	rBV7	43968	76235	3.03%	0.151%
19	10.157	1369	1372	1375	rVB2	39119	43421	1.73%	0.086%
20	10.480	1425	1427	1430	rVB3	44090	41127	1.63%	0.082%
21	10.533	1434	1436	1440	rVB	42754	38544	1.53%	0.076%
22	10.580	1440	1444	1449	rBV6	27424	55986	2.23%	0.111%
23	10.633	1449	1453	1454	rVV3	38832	49820	1.98%	0.099%
24	10.657	1454	1457	1474	rVV	1618168	1867047	74.22%	3.700%
25	10.775	1474	1477	1482	rVB	63880	67384	2.68%	0.134%
26	11.028	1517	1520	1524	rBV5	23686	40805	1.62%	0.081%
27	11.269	1558	1561	1565	rVB3	35152	40408	1.61%	0.080%
28	11.357	1570	1576	1578	rBV	1237814	1230767	48.93%	2.439%
29	11.380	1578	1580	1582	rVV	332649	333302	13.25%	0.661%
30	11.398	1582	1583	1587	rVV	168841	151479	6.02%	0.300%
31	11.439	1587	1590	1595	rVV	47506	79558	3.16%	0.158%
32	11.492	1595	1599	1604	rVV2	86482	118548	4.71%	0.235%
33	11.563	1608	1611	1613	rVB	45223	37923	1.51%	0.075%
34	11.610	1614	1619	1622	rBV3	39821	62773	2.50%	0.124%

LSC Area Percent Report

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Sample : K4223-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-7

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 >
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.839	1654	1658	1660	rVB2	103367	109404	4.35%	0.217%
36	11.886	1662	1666	1673	rVV	1092698	1161006	46.15%	2.301%
37	11.975	1678	1681	1683	rVV2	69574	68571	2.73%	0.136%
38	12.045	1687	1693	1696	rBV	263985	258990	10.30%	0.513%
39	12.127	1704	1707	1709	rBV3	32082	38641	1.54%	0.077%
40	12.157	1709	1712	1717	rVB	65104	81245	3.23%	0.161%
41	12.233	1723	1725	1729	rVB2	54531	47708	1.90%	0.095%
42	12.292	1732	1735	1738	rVV4	62150	76472	3.04%	0.152%
43	12.322	1738	1740	1744	rVB2	41434	43324	1.72%	0.086%
44	12.416	1752	1756	1763	rVB7	162294	362899	14.43%	0.719%
45	12.504	1767	1771	1779	rBV2	256582	451290	17.94%	0.894%
46	12.569	1779	1782	1785	rBV	644281	732893	29.13%	1.452%
47	12.604	1785	1788	1796	rVV	1066292	1449662	57.63%	2.873%
48	12.669	1796	1799	1806	rVV	751437	889779	35.37%	1.763%
49	12.722	1806	1808	1812	rVV3	85854	118933	4.73%	0.236%
50	12.757	1812	1814	1816	rVV2	79197	79891	3.18%	0.158%
51	12.798	1816	1821	1827	rVV	610747	697374	27.72%	1.382%
52	12.851	1828	1830	1835	rVB4	54469	60573	2.41%	0.120%
53	12.933	1840	1844	1855	rVB	2430952	2328429	92.56%	4.614%
54	13.027	1855	1860	1865	rBV2	60621	106466	4.23%	0.211%
55	13.127	1870	1877	1880	rBV2	119567	224165	8.91%	0.444%
56	13.157	1880	1882	1887	rBV3	65514	90902	3.61%	0.180%
57	13.204	1887	1890	1892	rBV2	43369	50735	2.02%	0.101%
58	13.233	1893	1895	1898	rBV2	81483	77645	3.09%	0.154%
59	13.327	1908	1911	1915	rBV4	198488	284262	11.30%	0.563%
60	13.363	1915	1917	1923	rVB2	220407	333874	13.27%	0.662%
61	13.504	1938	1941	1943	rVB2	52790	51169	2.03%	0.101%
62	13.621	1958	1961	1964	rBV4	67532	98786	3.93%	0.196%
63	13.651	1964	1966	1967	rVV	81118	66187	2.63%	0.131%
64	13.674	1967	1970	1973	rVV2	211419	268052	10.66%	0.531%
65	13.704	1973	1975	1981	rVV2	218102	270207	10.74%	0.535%
66	13.757	1981	1984	1985	rVV2	113343	117826	4.68%	0.233%
67	13.792	1987	1990	1994	rVV2	335093	468802	18.64%	0.929%
68	13.827	1994	1996	1997	rVV	203683	173111	6.88%	0.343%
69	13.857	1997	2001	2008	rVB2	240974	465482	18.50%	0.922%
70	13.916	2008	2011	2016	rVB2	101659	116779	4.64%	0.231%
71	13.969	2016	2020	2021	rBV2	186928	193208	7.68%	0.383%

LSC Area Percent Report

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Sample : K4223-13
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Instrument : BNA_F
ClientSampleId : SP-7

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
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.998	2021	2025	2028	rVV2	989434	1267223	50.38%	2.511%
73	14.027	2028	2030	2036	rVB	299981	306205	12.17%	0.607%
74	14.145	2047	2050	2051	rBV	66202	61484	2.44%	0.122%
75	14.392	2089	2092	2096	rVB	77578	70440	2.80%	0.140%
76	14.445	2098	2101	2104	rVV	441658	385531	15.33%	0.764%
77	14.480	2104	2107	2112	rVV3	121262	204284	8.12%	0.405%
78	14.645	2133	2135	2138	rBV	60112	57042	2.27%	0.113%
79	14.704	2143	2145	2147	rVV	79840	72325	2.88%	0.143%
80	14.751	2150	2153	2156	rVB	159365	162973	6.48%	0.323%
81	14.821	2162	2165	2169	rVB	218133	228277	9.07%	0.452%
82	14.974	2188	2191	2196	rBV3	89081	112835	4.49%	0.224%
83	15.045	2199	2203	2205	rBV	359293	474402	18.86%	0.940%
84	15.080	2205	2209	2214	rVB	1544687	1886642	75.00%	3.739%
85	15.133	2214	2218	2220	rBV3	89384	144009	5.72%	0.285%
86	15.345	2250	2254	2261	rBV	243224	324434	12.90%	0.643%
87	15.410	2261	2265	2269	rVV	208681	260845	10.37%	0.517%
88	15.463	2269	2274	2286	rVB	674228	1121257	44.57%	2.222%
89	15.704	2313	2315	2324	rVB3	59386	109547	4.35%	0.217%
90	15.786	2326	2329	2335	rVV4	63972	100578	4.00%	0.199%
91	15.880	2340	2345	2352	rVB	1035182	1538314	61.15%	3.049%
92	16.051	2371	2374	2382	rVB8	87532	145341	5.78%	0.288%
93	16.157	2387	2392	2414	rVB	254097	728988	28.98%	1.445%
94	16.957	2523	2528	2538	rVB2	280721	708854	28.18%	1.405%
95	17.398	2598	2603	2610	rBV3	173407	376234	14.96%	0.746%
96	17.486	2610	2618	2619	rBV	1005563	1685575	67.01%	3.340%
97	17.615	2633	2640	2646	rBV7	216498	665154	26.44%	1.318%
98	17.933	2688	2694	2704	rBV2	390775	1430913	56.88%	2.836%
99	18.274	2744	2752	2759	rBV5	508328	1806767	71.82%	3.581%
100	18.821	2839	2845	2860	rVB6	234061	860338	34.20%	1.705%

Sum of corrected areas: 50460916

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
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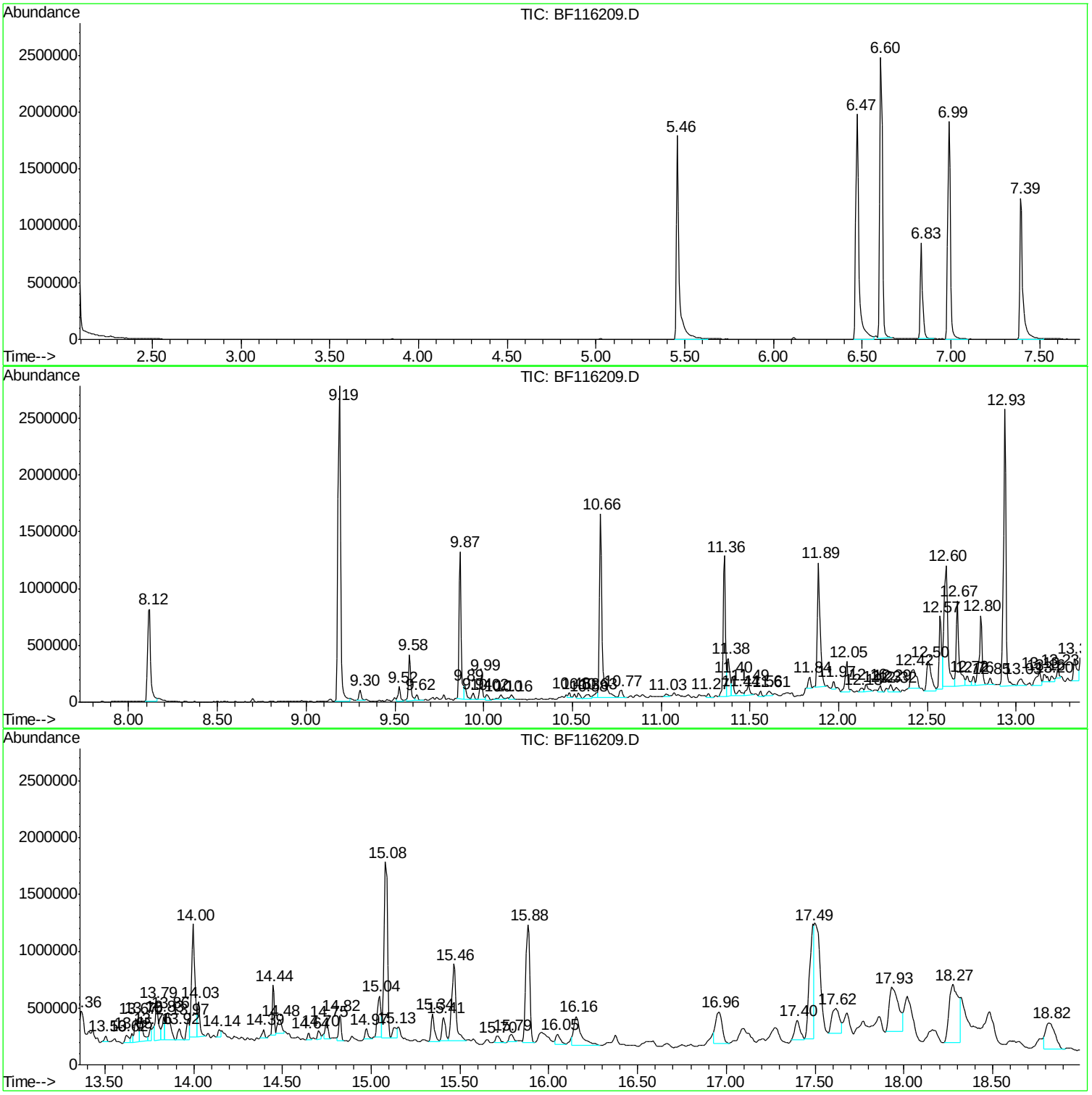
Sample : K4223-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF081219\
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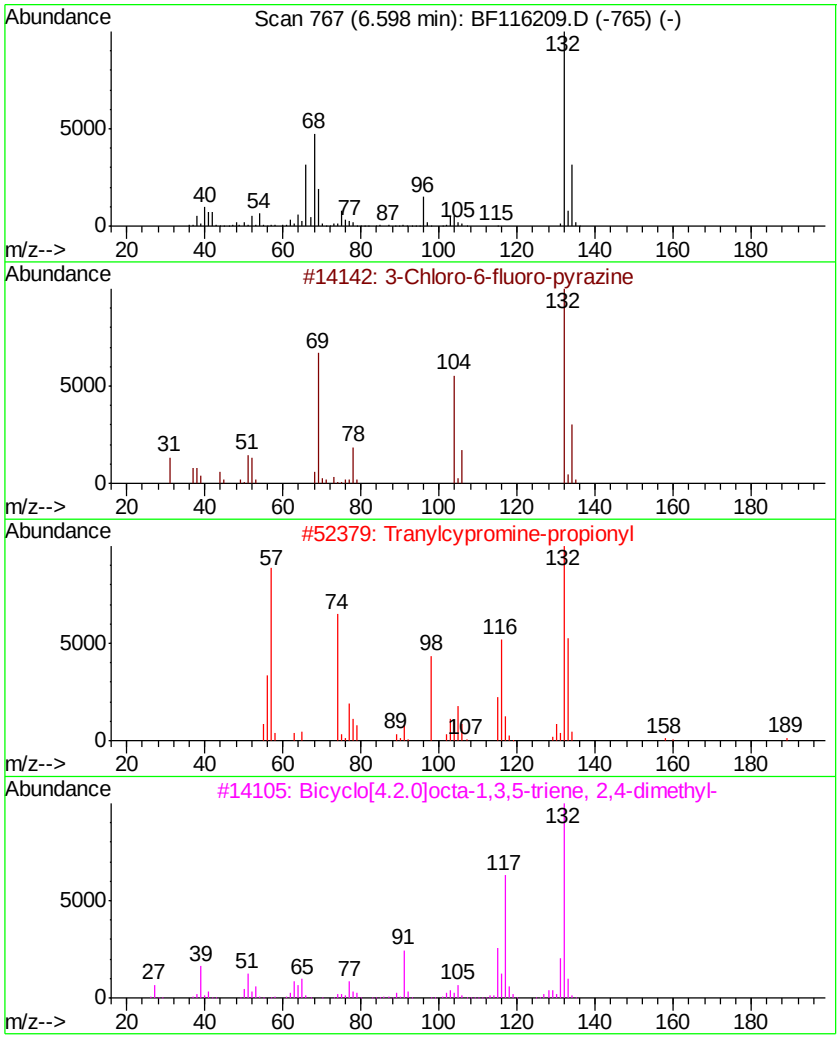
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

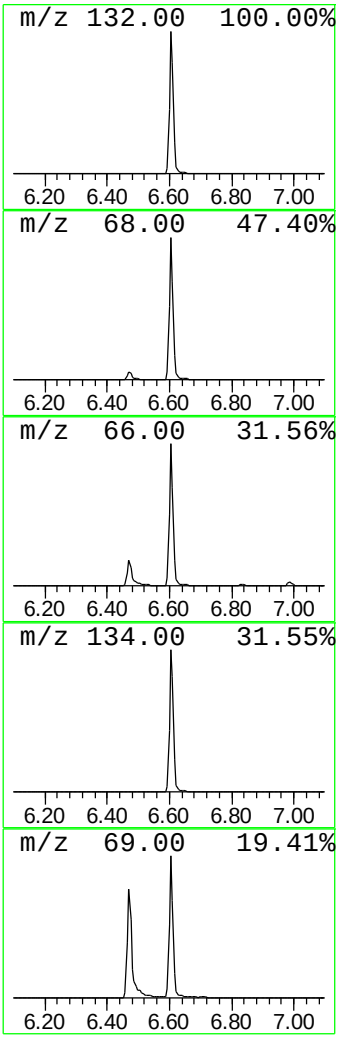
****

Peak Number 1 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	60.23 ng	2250380	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
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





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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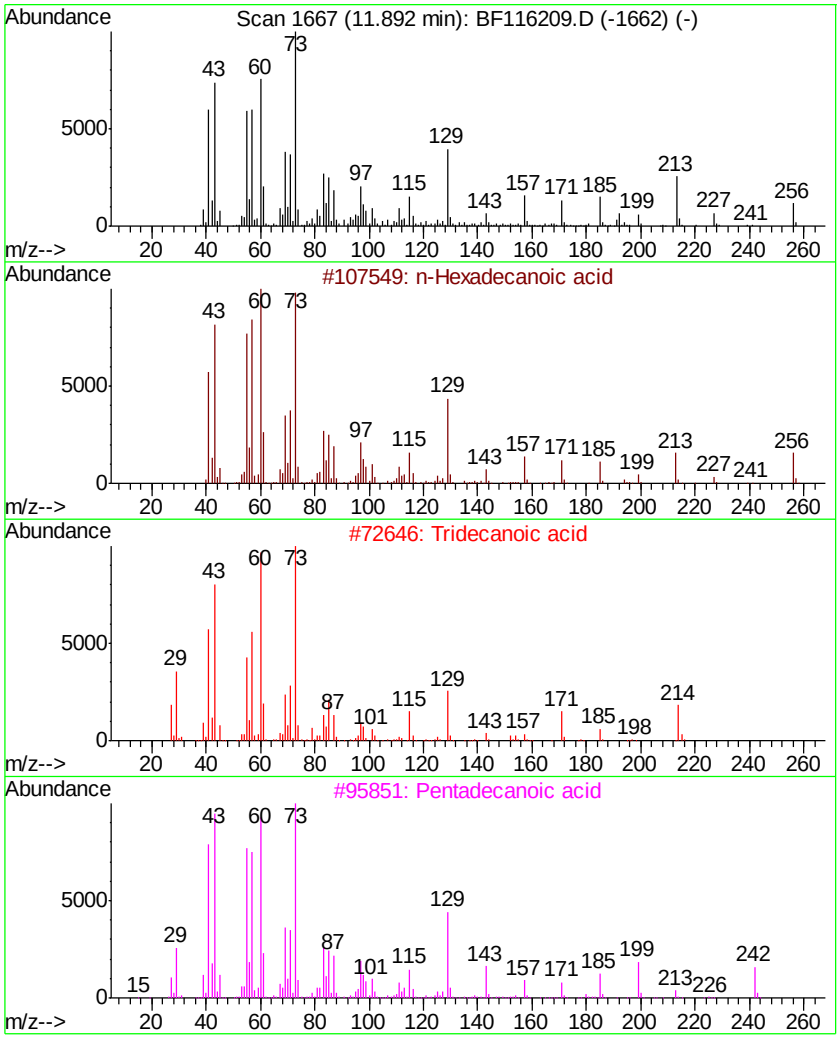
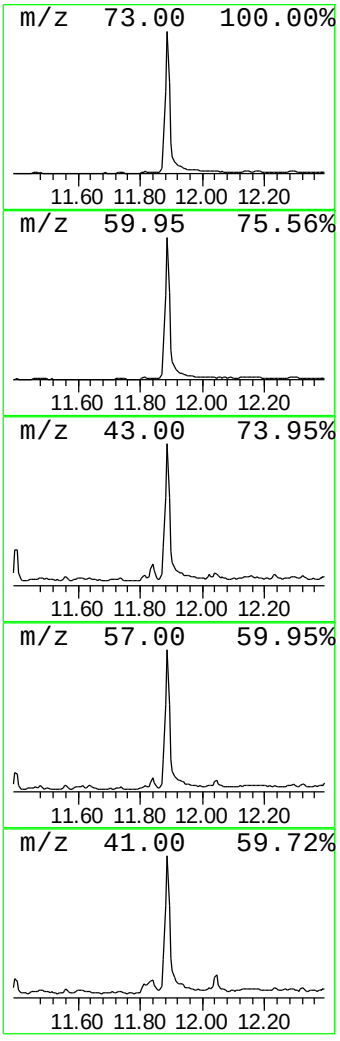
Peak Number 3 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	18.87 ng	1161010	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	68
5	Dodecanoic acid	200	C12H24O2	000143-07-7	64





Library Search Compound Report

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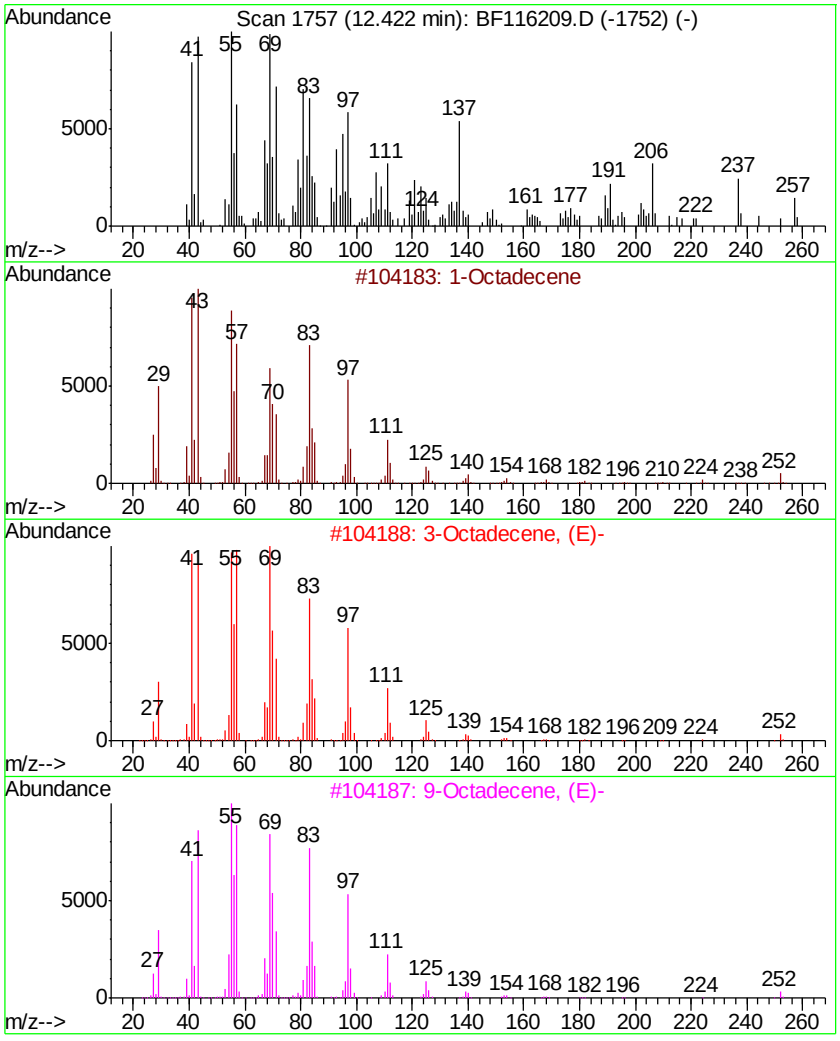
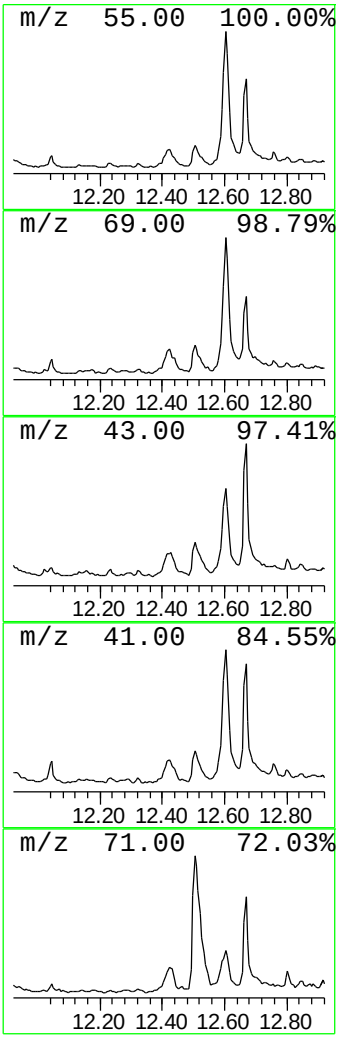
Peak Number 4 1-Octadecene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	5.90 ng	362899	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	90
2	3-Octadecene, (E)-	252	C18H36	007206-19-1	89
3	9-Octadecene, (E)-	252	C18H36	007206-25-9	86
4	8-Heptadecene	238	C17H34	002579-04-6	66
5	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	56





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
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Sample : K4223-13
Misc :
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Instrument : BNA_F
ClientSampleId : SP-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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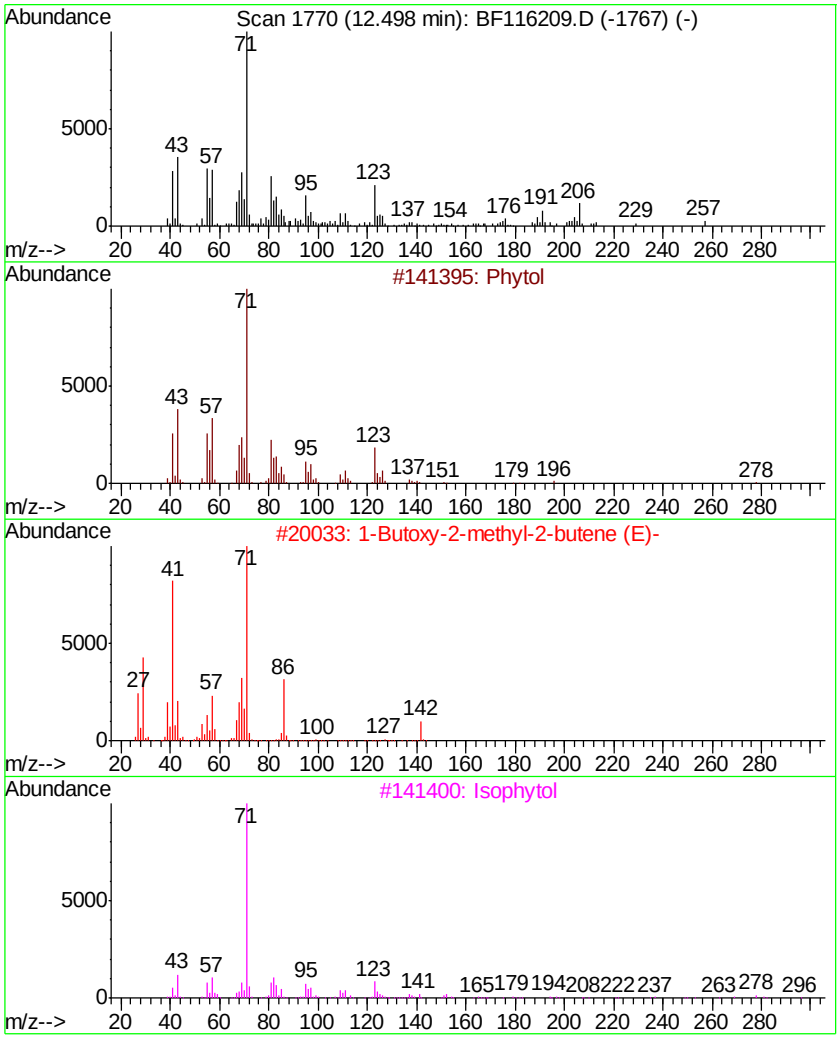
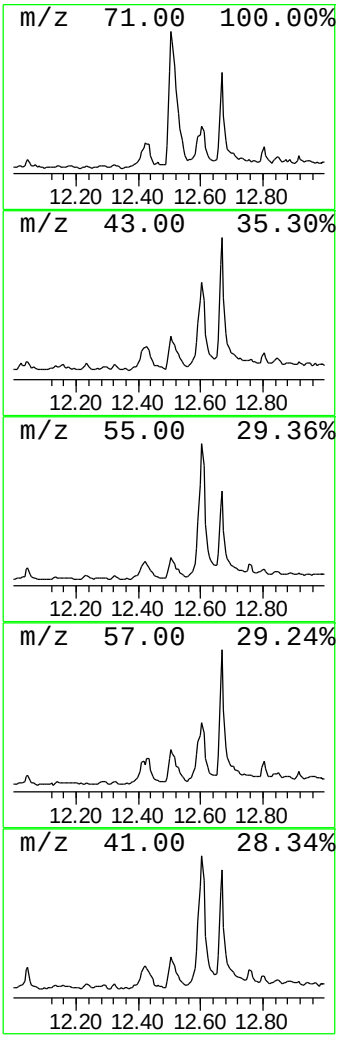
Peak Number 5 Phytol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	7.33 ng	451290	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phytol	296	C20H40O	000150-86-7	87
2	1-Butoxy-2-methyl-2-butene (E)-	142	C9H18O	1000159-08-4	47
3	Isophytol	296	C20H40O	000505-32-8	47
4	Butyric acid, 2-tridecyl ester	270	C17H34O2	055193-07-2	43
5	3,4-Dimethylcyclohexanol	128	C8H16O	005715-23-1	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116209.D
Acq On : 13 Aug 2019 00:35
Operator : HP/JU
Sample : K4223-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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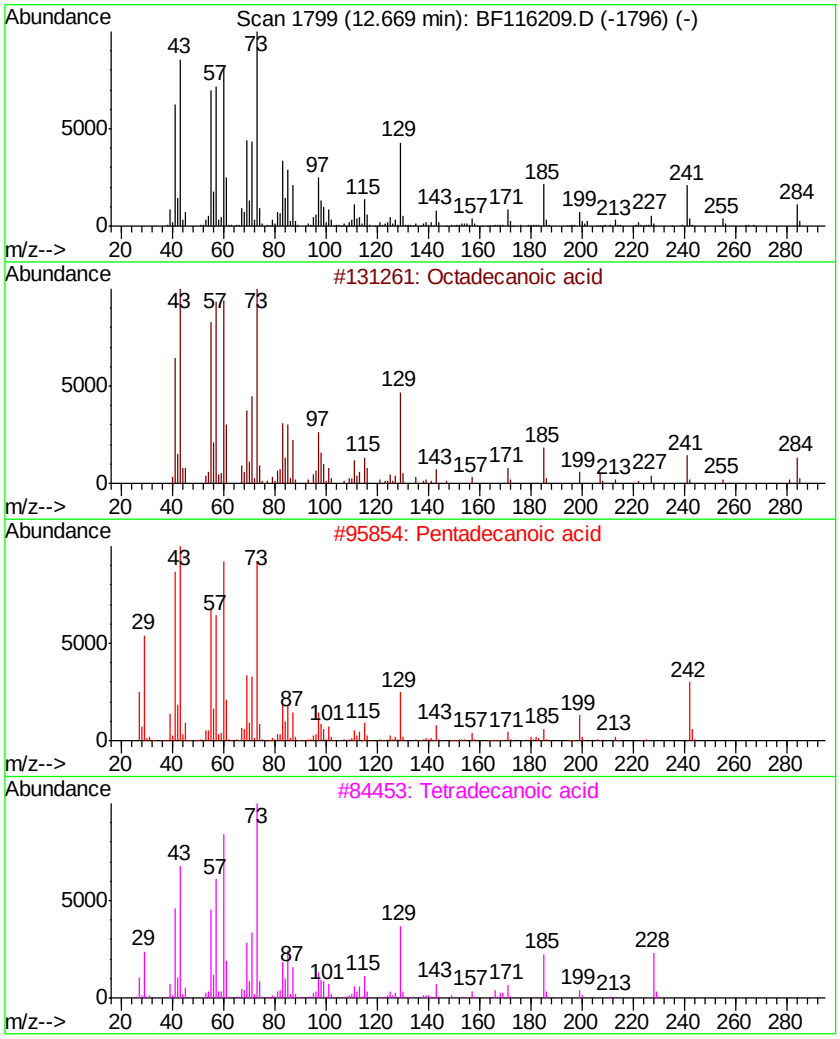
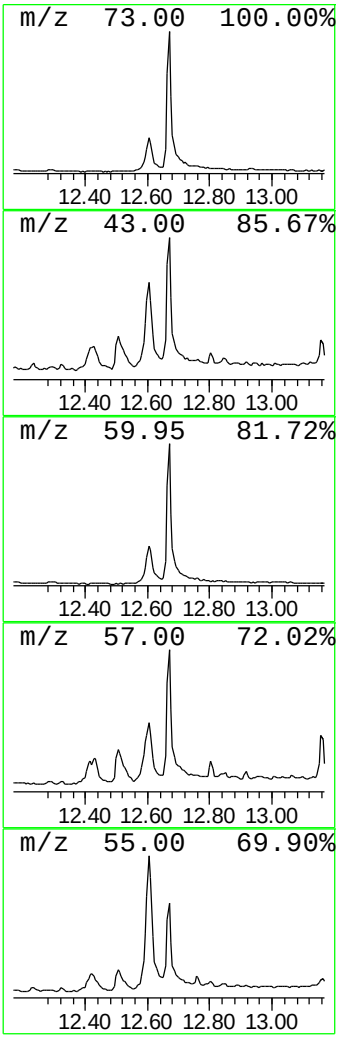
Peak Number 6 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	14.46 ng	889779	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	80
5	Tridecanoic acid	214	C13H26O2	000638-53-9	74





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Misc :
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ClientSampleId : SP-7

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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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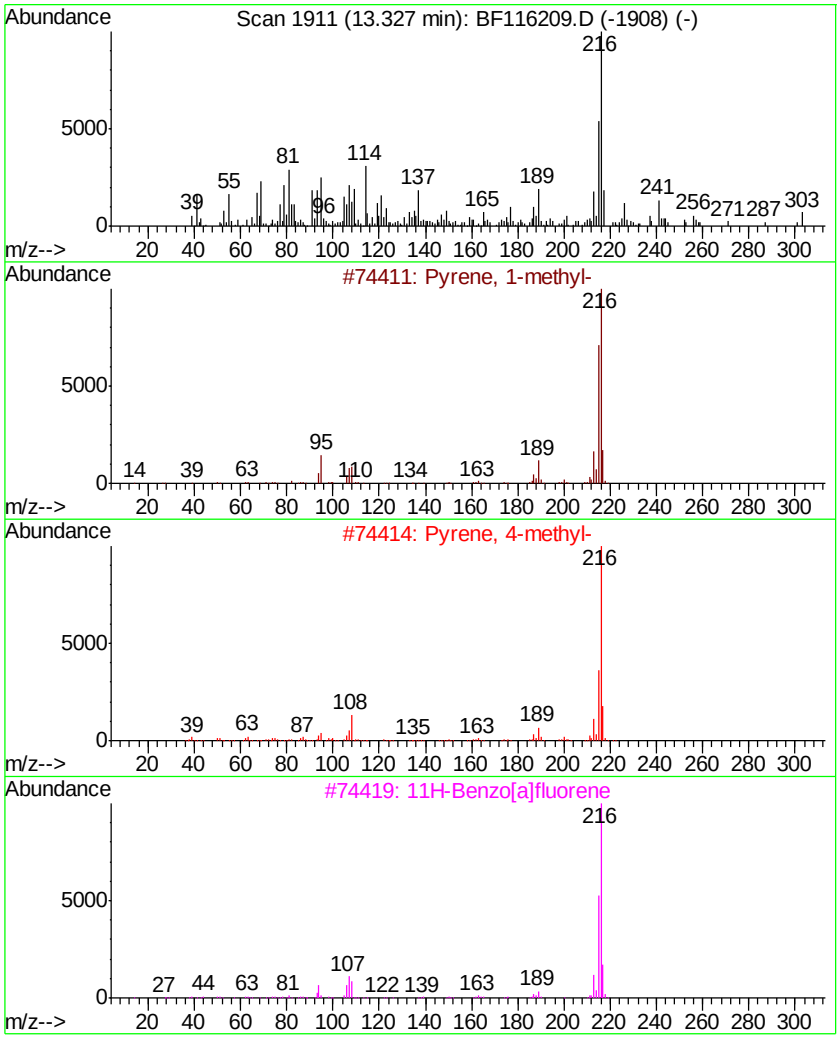
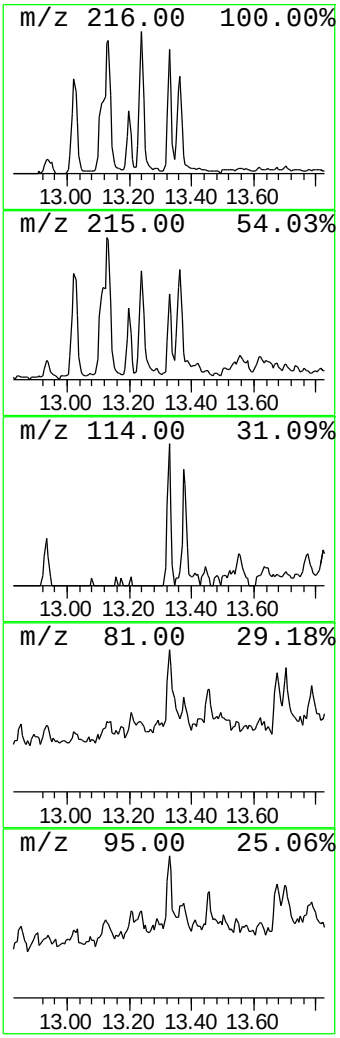
Peak Number 7 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	4.49 ng	284262	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	83
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	78
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
5	8-Phosphadispiro[2.1.2.2]nonane,...	216	C14H17P	1000162-94-6	53





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Instrument : BNA_F
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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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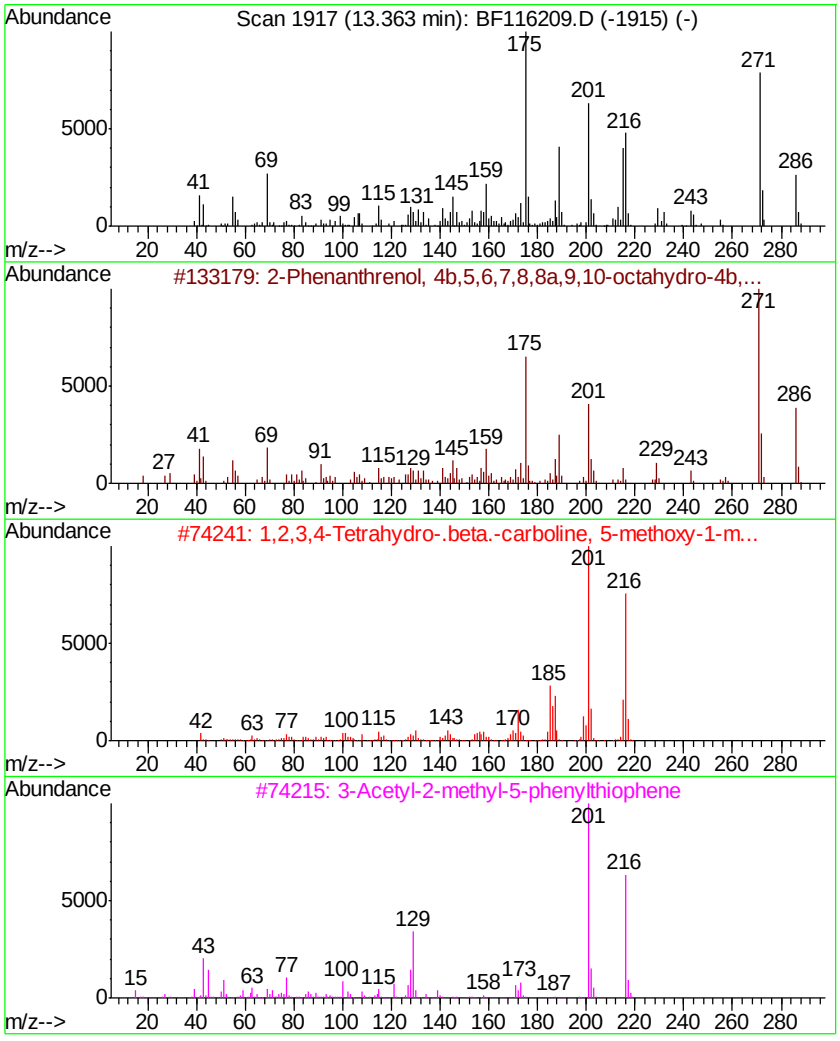
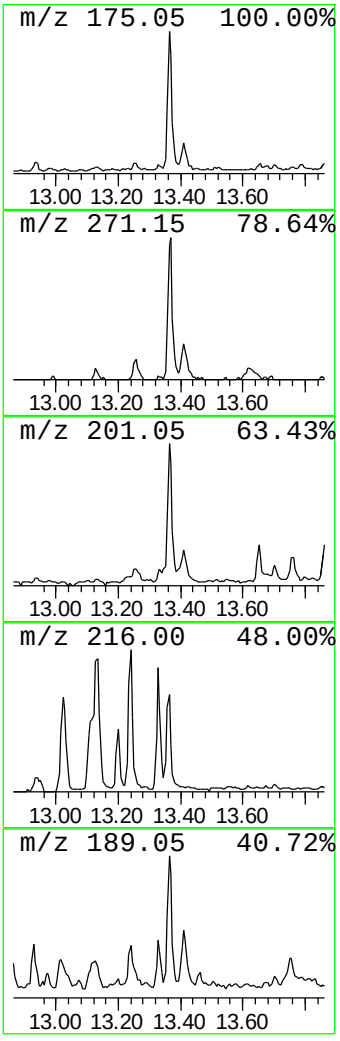
Peak Number 8 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	5.27 ng	333874	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	89
2	1,2,3,4-Tetrahydro-.beta.-carbol...	216	C13H16N2O	083788-97-0	25
3	3-Acetyl-2-methyl-5-phenylthiophene	216	C13H12OS	040932-63-6	25
4	Crinan-1-one	271	C16H17NO3	098301-98-5	20
5	3H-Pyrazol-3-one, 2,4-dihydro-5-...	272	C16H20N2O2	018667-23-7	15





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ClientSampleId : SP-7

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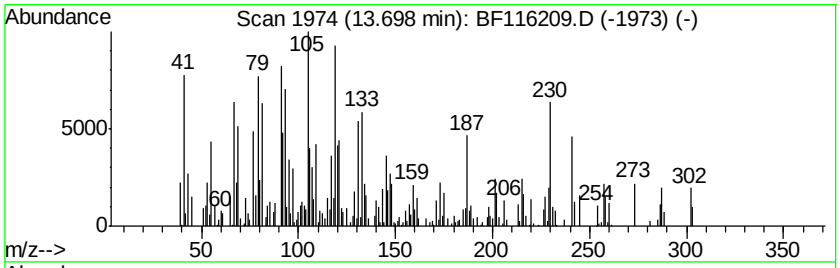
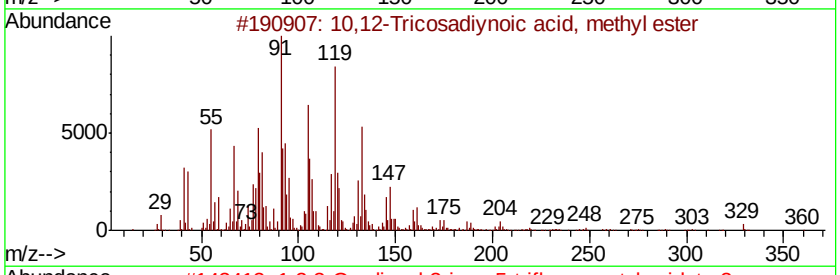
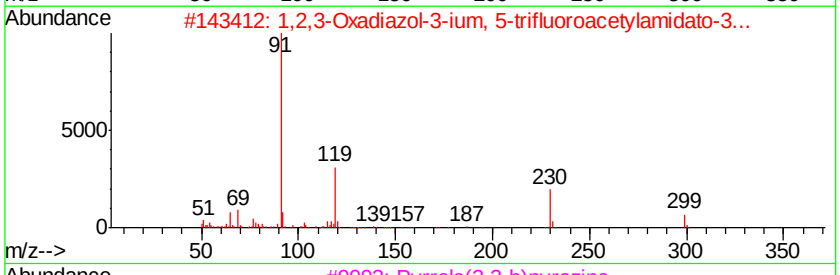
Peak Number 9 unknown13.70 Concentration Rank 20

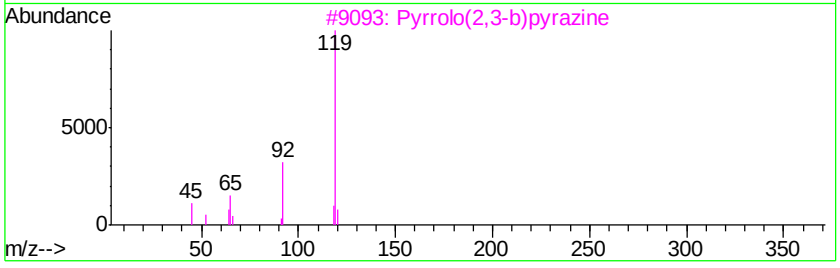
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	4.26 ng	270207	Chrysene-d12	14.00

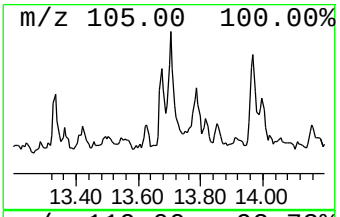
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,12-Tricosadiynoic acid, methy...	360	C24H40O2	1000333-59-4	25
2	1,2,3-Oxadiazol-3-ium, 5-trifluo...	299	C13H12F3N3O2	252551-32-9	22
3	Pyrrolo(2,3-b)pyrazine	119	C6H5N3	004745-93-1	18
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	18
5	1-o-Tolylprop-2-en-1-one	146	C10H10O	039627-60-6	18

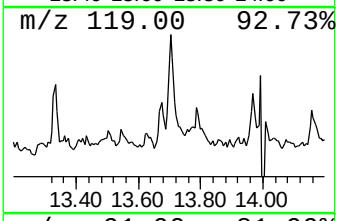


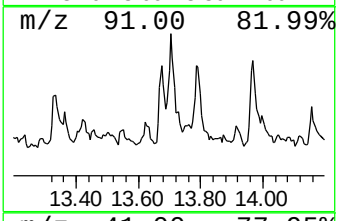


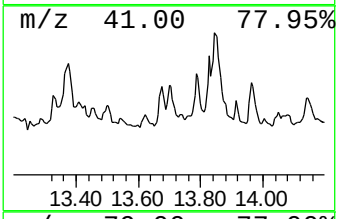


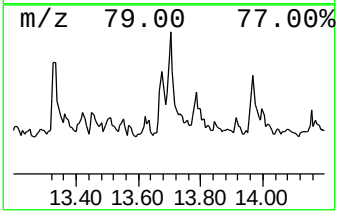












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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-7

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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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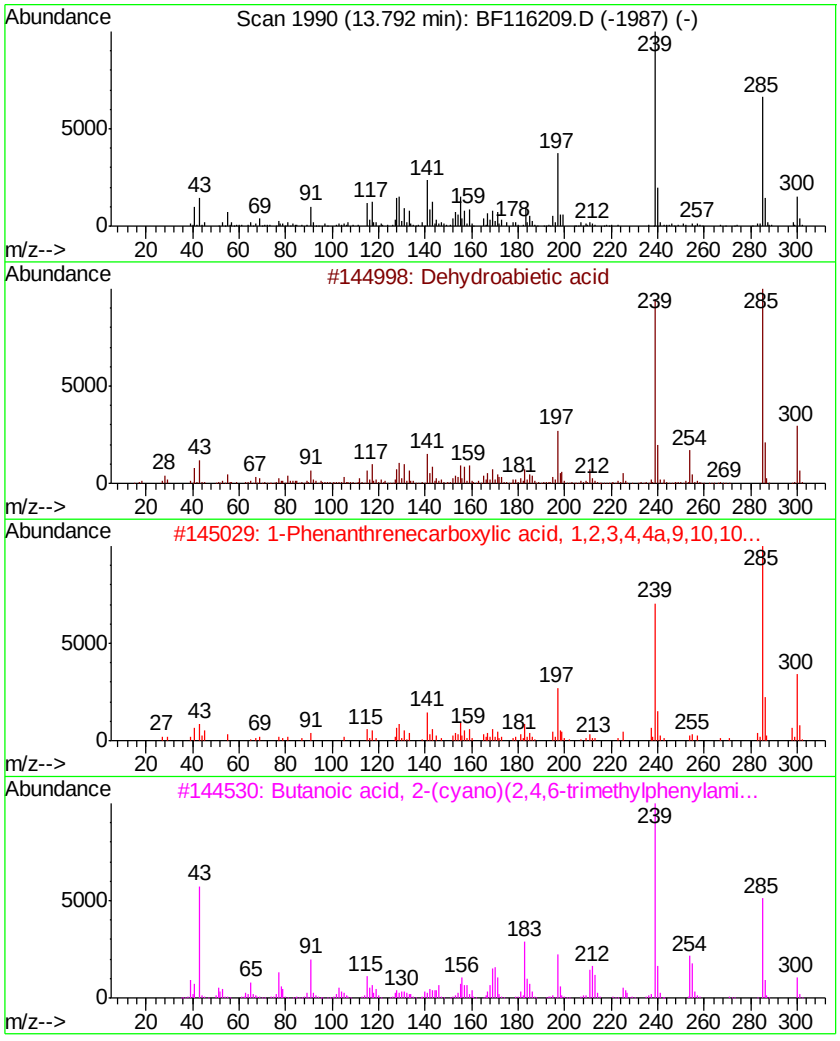
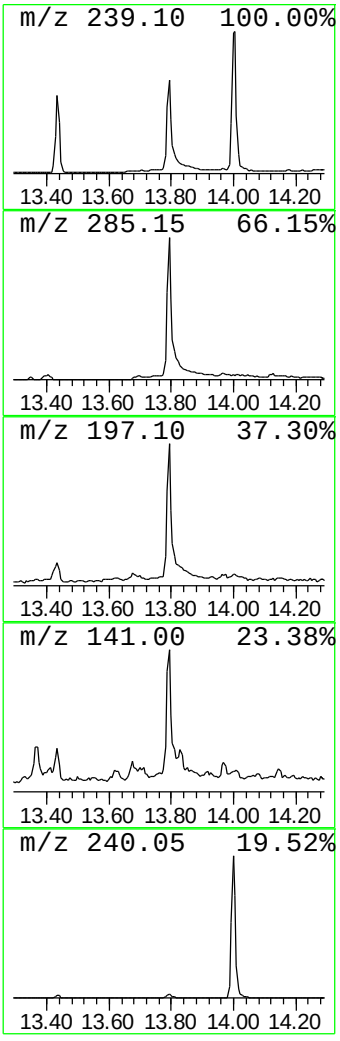
Peak Number 10 Dehydroabietic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	7.40 ng	468802	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	94
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	92
3	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	74
4	Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3NO3	000391-02-6	53
5	3-Quinolinecarboxylic acid, 4-hy...	285	C13H10F3NO3	023851-84-5	53





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

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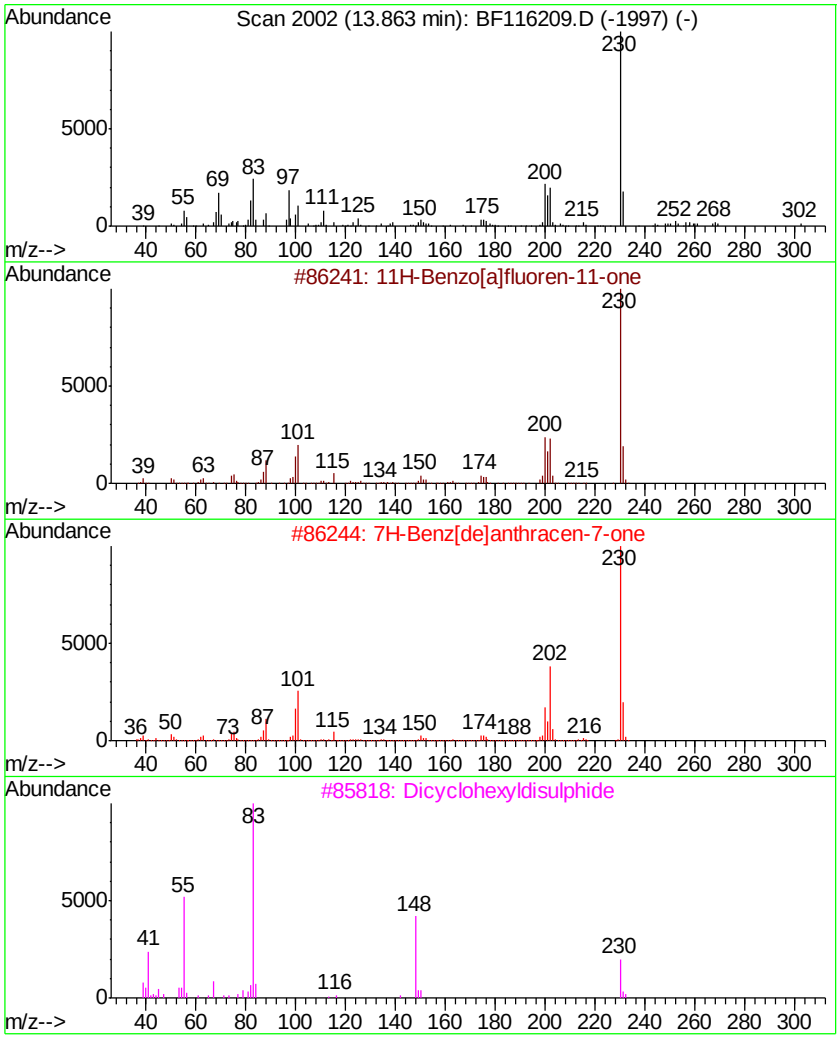
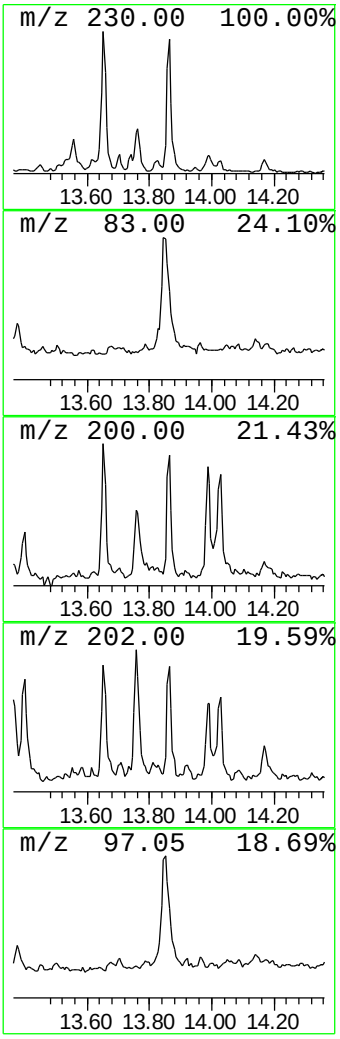
Peak Number 11 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	7.35 ng	465482	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	38
3	Dicyclohexyldisulphide	230	C12H22S2	002550-40-5	32
4	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	27
5	p-Terphenyl	230	C18H14	000092-94-4	27





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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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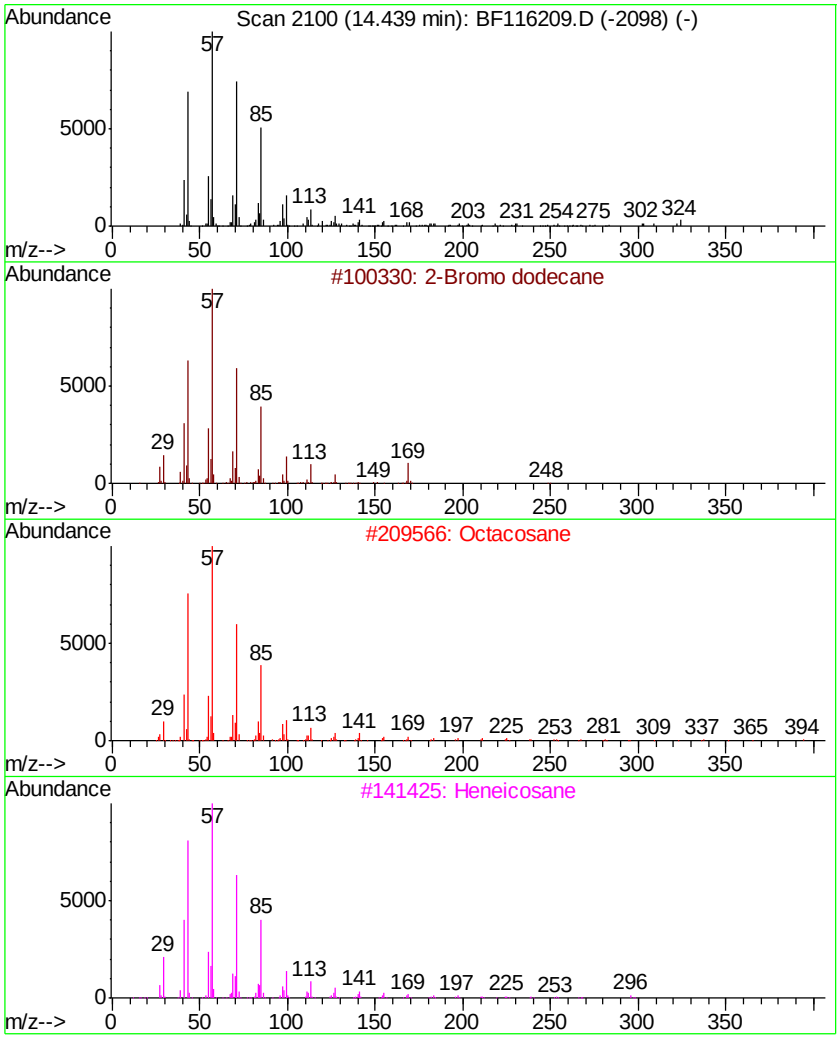
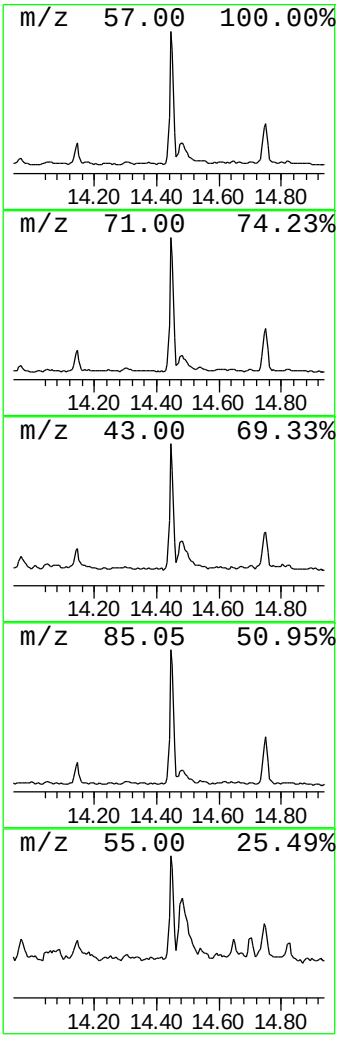
Peak Number 12 2-Bromo dodecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	6.08 ng	385531	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
2	Octacosane	394	C28H58	000630-02-4	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Tetradecane	198	C14H30	000629-59-4	87





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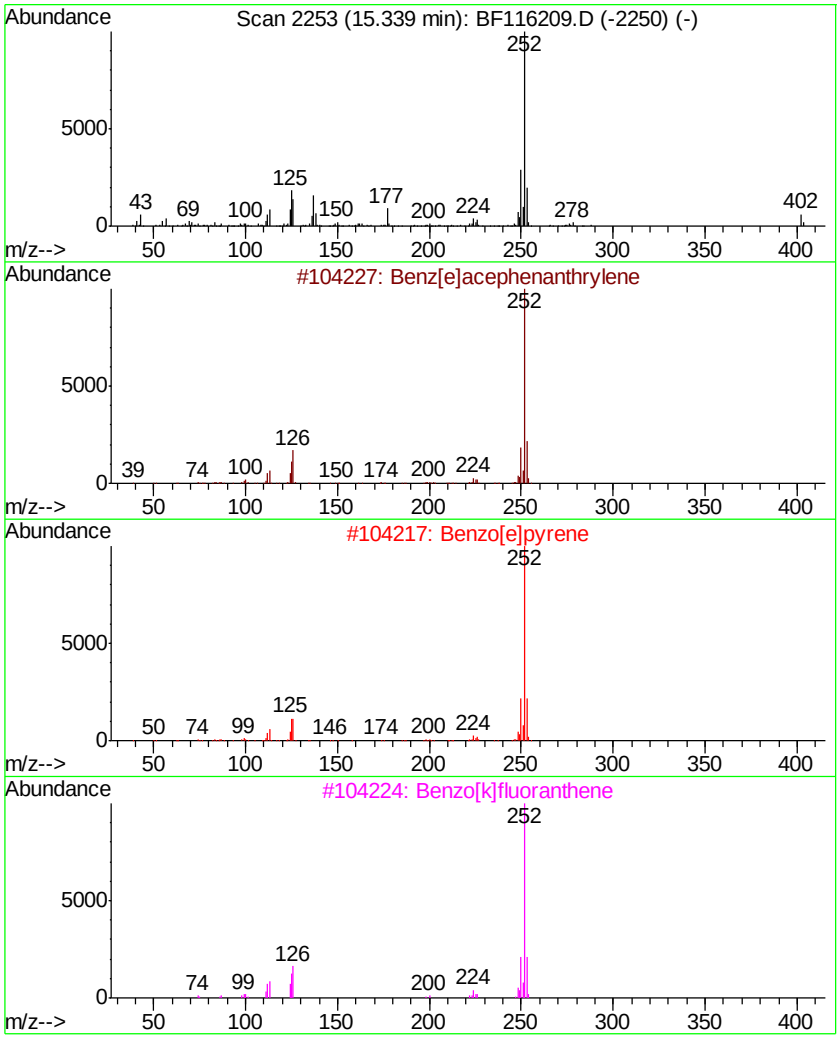
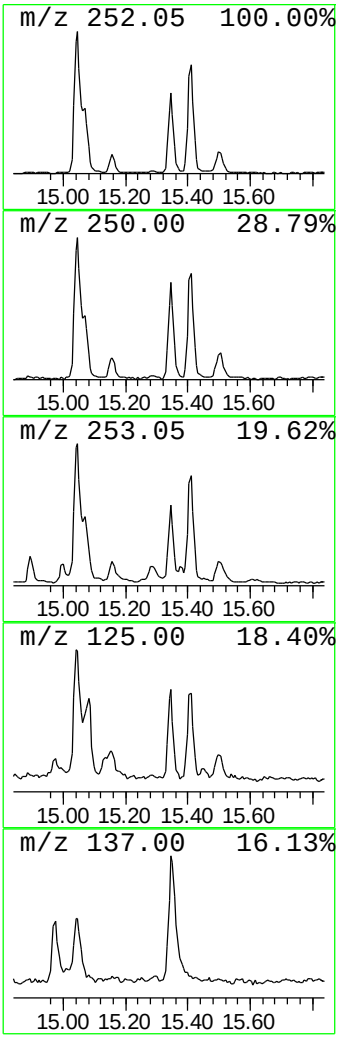
Peak Number 13 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	5.79 ng	324434	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Perylene	252	C20H12	000198-55-0	92





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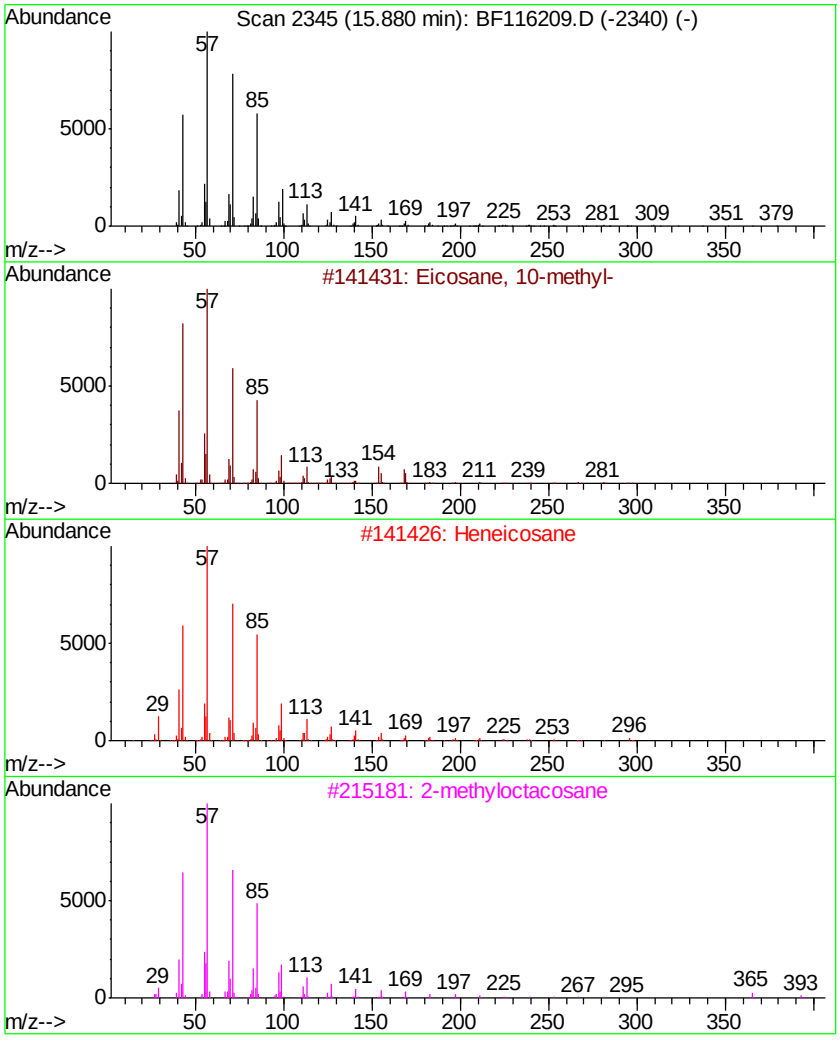
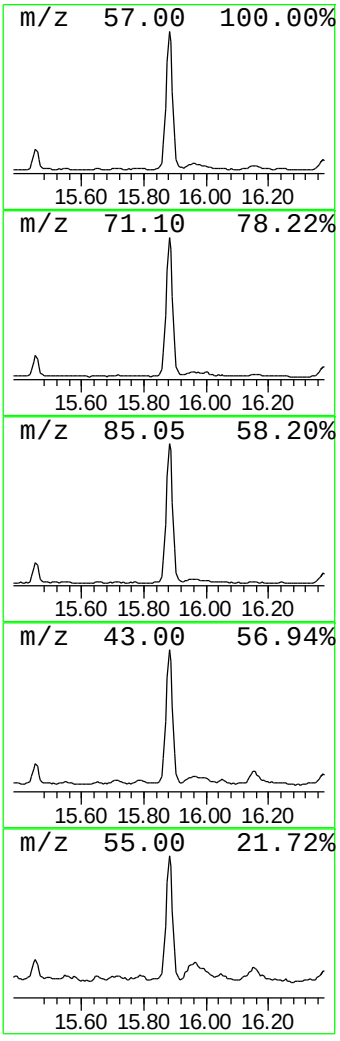
Peak Number 14 Eicosane, 10-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	27.44 ng	1538310	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	91





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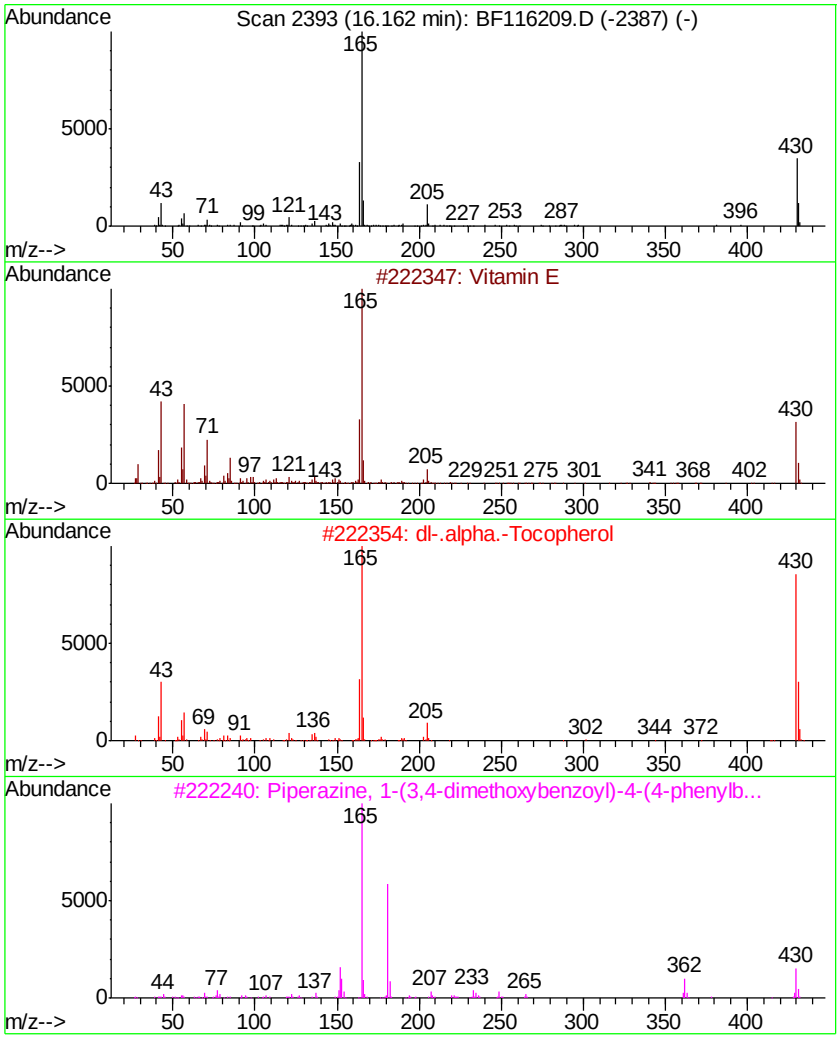
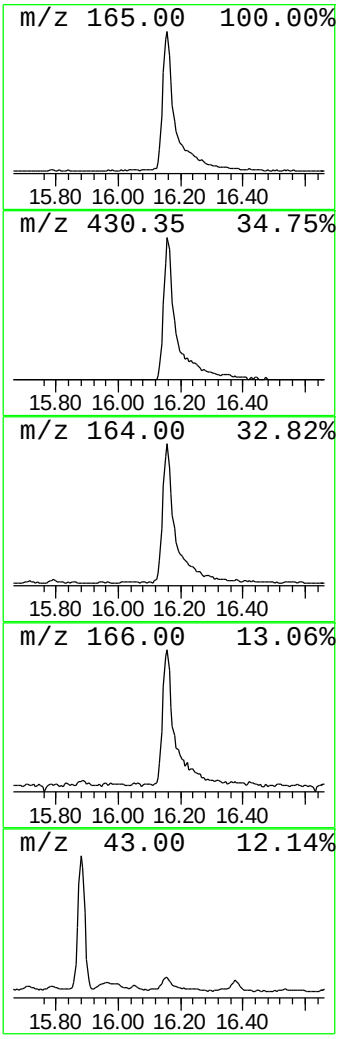
Peak Number 15 Vitamin E Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	13.00 ng	728988	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vitamin E	430	C29H50O2	000059-02-9	94
2	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	91
3	Piperazine, 1-(3,4-dimethoxybenz...	430	C26H26N2O4	333756-87-9	59
4	Propanenitrile, 3-[methyl(4-nitr...	205	C10H11N3O2	097473-81-9	38
5	.alpha.-Tocopherol-.beta.-D-mann...	592	C35H60O7	1000156-68-2	35





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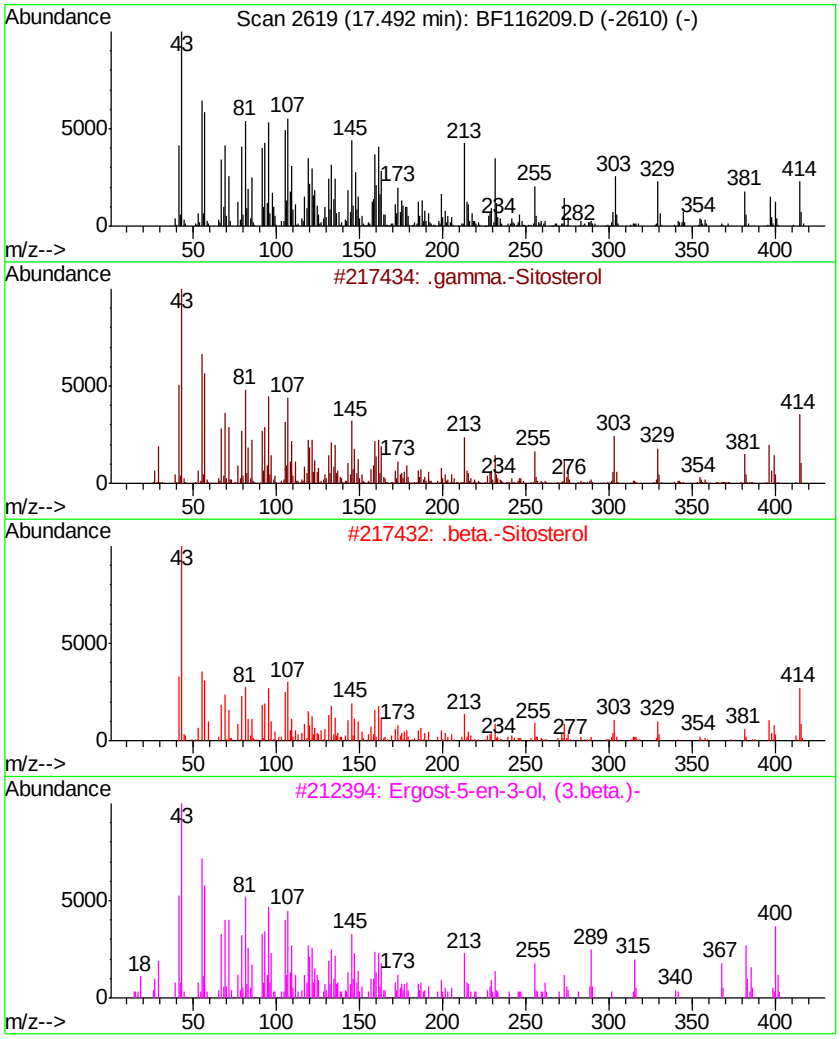
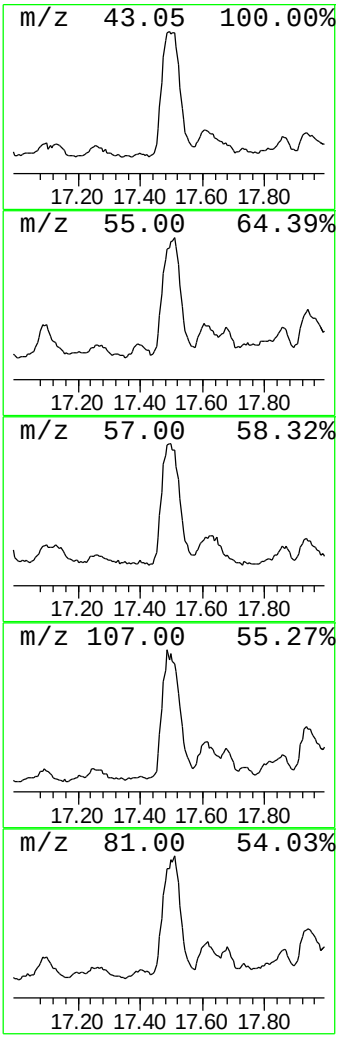
Peak Number 16 .gamma.-Sitosterol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	30.07 ng	1685580	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	99
3	Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	49
4	5-Cholestene-3-ol, 24-methyl-	400	C28H48O	1000214-17-4	43
5	Isocholesteryl methyl ether	400	C28H48O	029944-53-4	43





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Data File : BF116209.D
Acq On : 13 Aug 2019 00:35
Operator : HP/JU
Sample : K4223-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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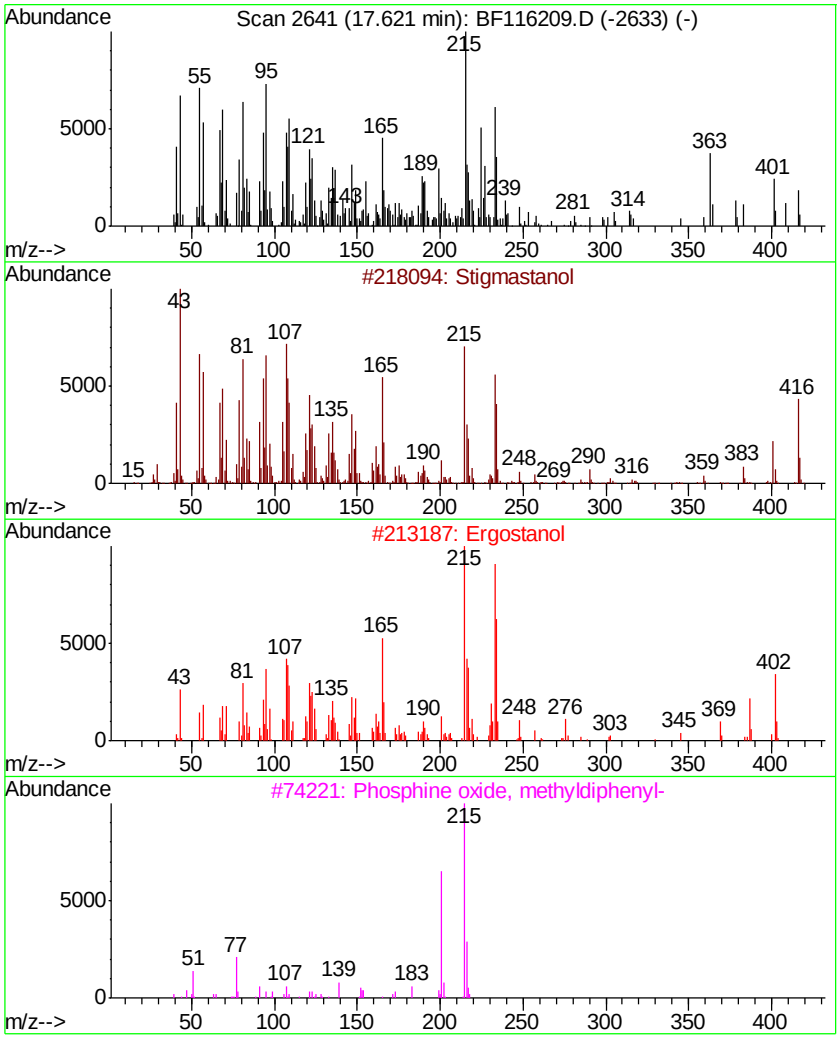
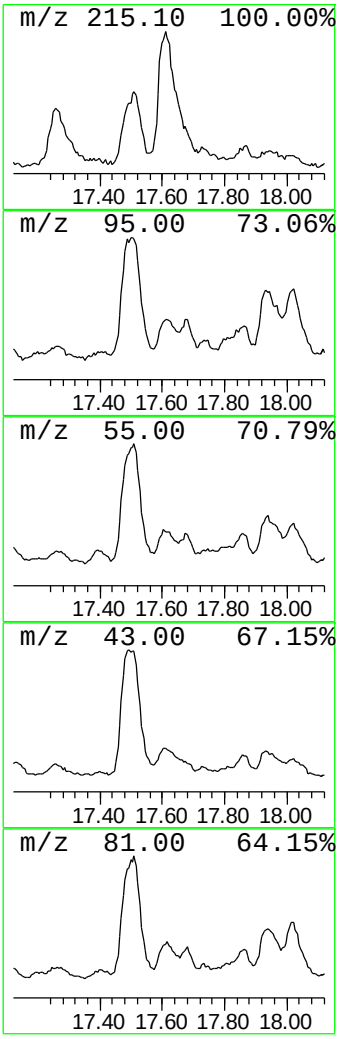
Peak Number 17 Stigmastanol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	11.86 ng	665154	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmastanol	416	C29H52O	019466-47-8	97
2	Ergostanol	402	C28H50O	006538-02-9	58
3	Phosphine oxide, methyldiphenyl-	216	C13H13OP	002129-89-7	18
4	Pyridazine-3,6(1H,2H)-dione, 1-(...	233	C10H7N3O4	022378-14-9	15
5	Pyrene, 1-(methoxymethyl)-	246	C18H14O	091385-15-8	14





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Operator : HP/JU
Sample : K4223-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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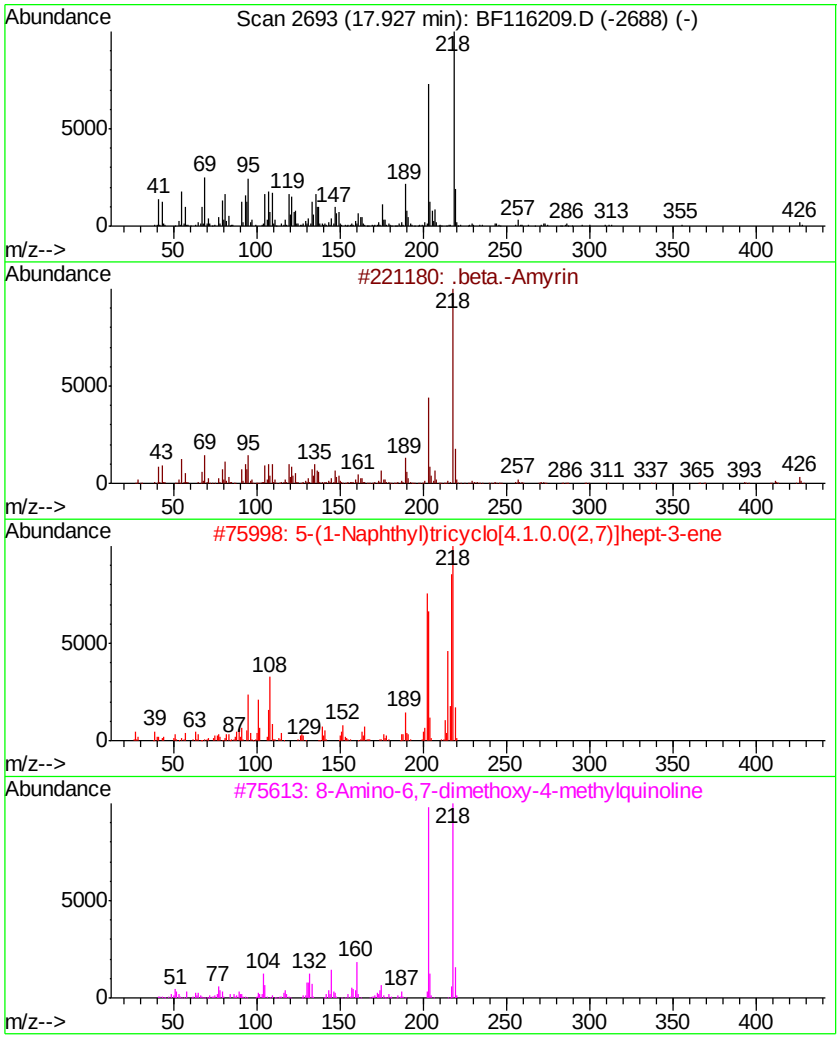
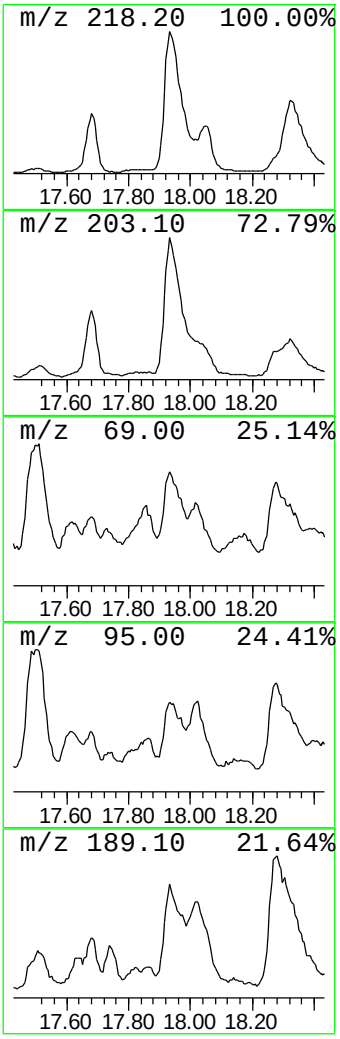
Peak Number 18 .beta.-Amyrin Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	25.52 ng	1430910	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Amyrin	426	C30H50O	000559-70-6	76
2	5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	74
3	8-Amino-6,7-dimethoxy-4-methylqu...	218	C12H14N2O2	1000213-07-2	58
4	.beta.-Amyrin trimethylsilyl ether	498	C33H58OSi	001721-67-1	58
5	2H-1-Benzopyran-2-one, 6-acetyl-...	260	C14H12O5	129812-31-3	53





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Acq On : 13 Aug 2019 00:35
Operator : HP/JU
Sample : K4223-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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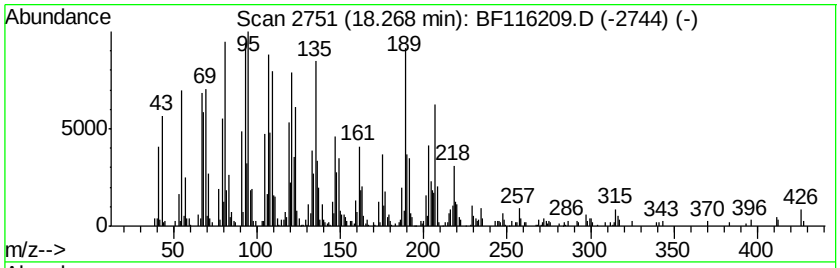
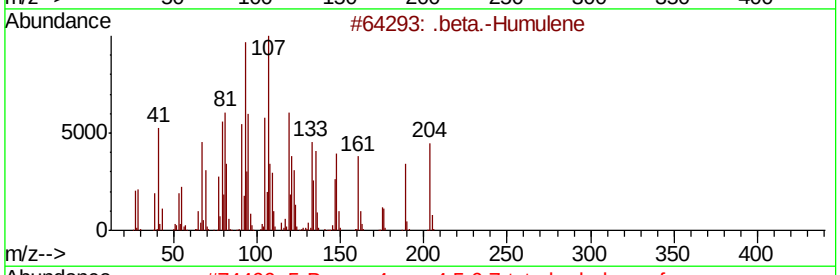
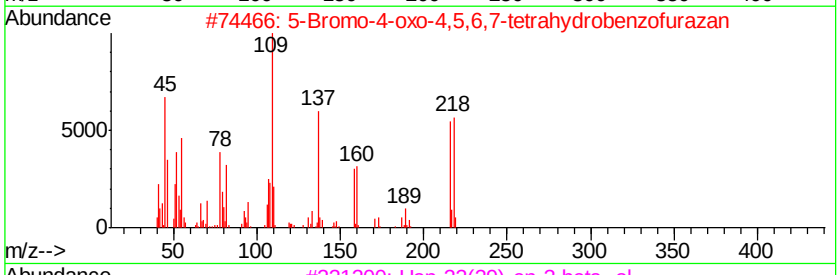
Peak Number 19 .beta.-Humulene Concentration Rank 3

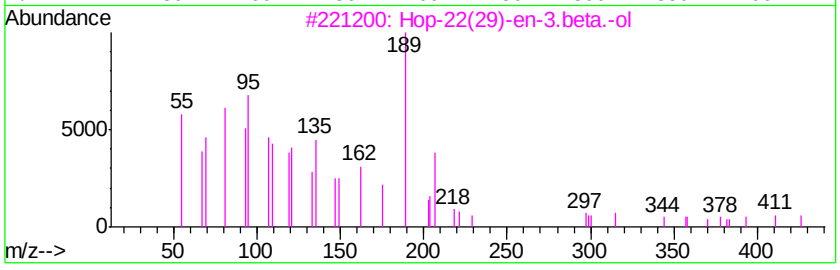
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	32.23 ng	1806770	Perylene-d12	15.46

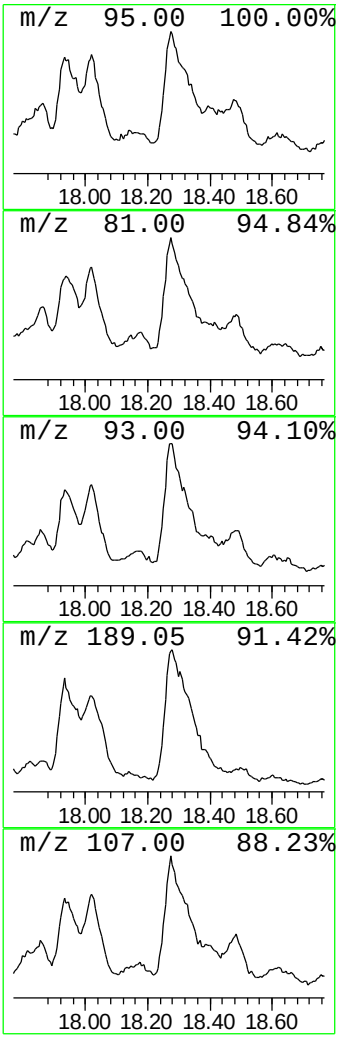
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Humulene	204	C15H24	000116-04-1	74
2	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	59
3	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	56
4	Guaia-9,11-diene	204	C15H24	1000374-19-8	49
5	Caparratriene	206	C15H26	1000374-08-7	45











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Sample : K4223-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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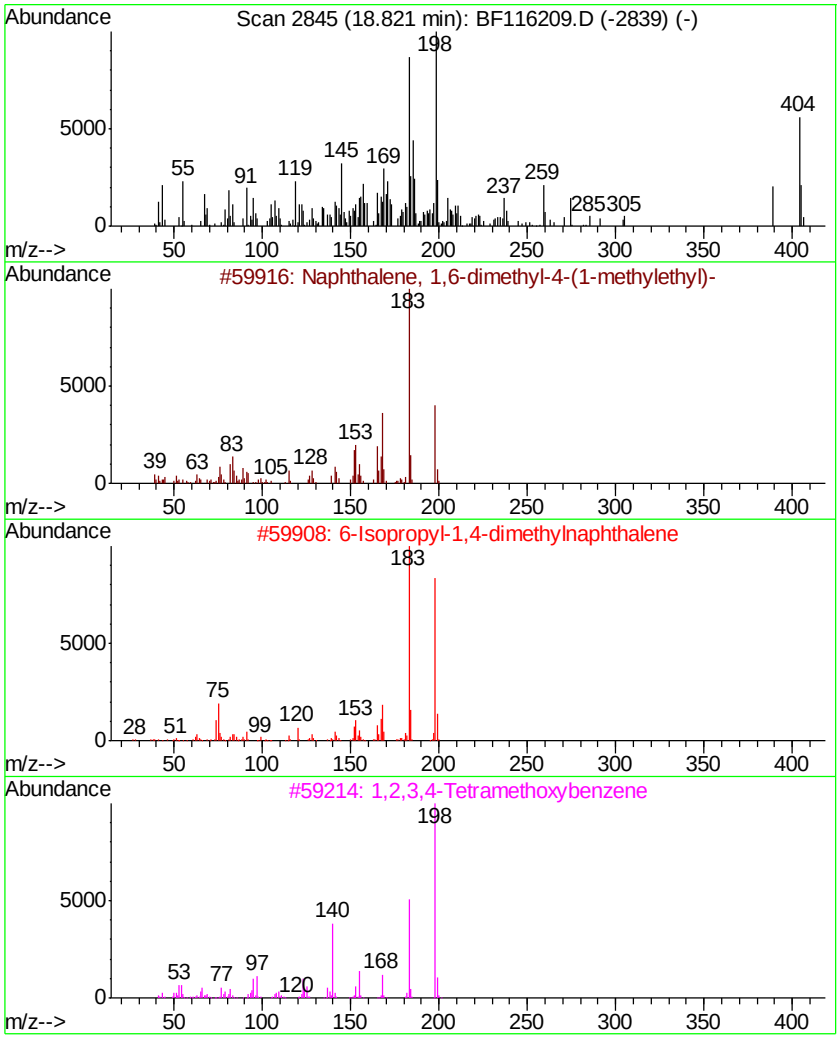
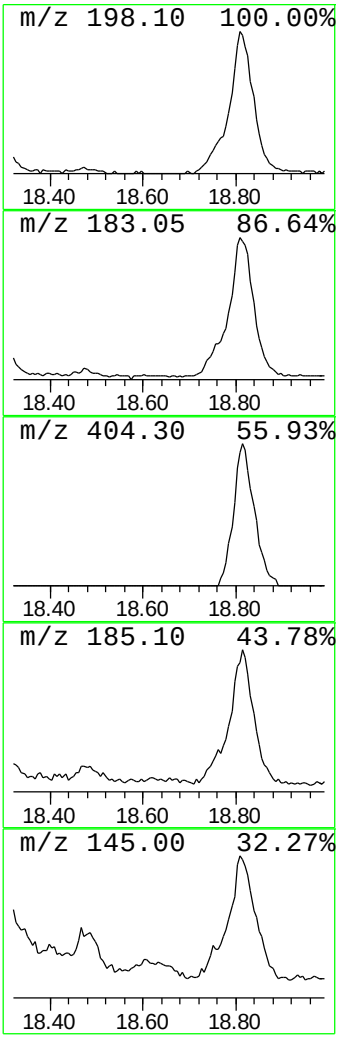
Peak Number 20 unknown18.82 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	15.35 ng	860338	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-4-(1-m...	198	C15H18	000483-78-3	43
2	6-Isopropyl-1,4-dimethylnaphthalene	198	C15H18	000489-77-0	38
3	1,2,3,4-Tetramethoxybenzene	198	C10H14O4	021450-56-6	25
4	Azulene, 1,4-dimethyl-7-(1-methy...	198	C15H18	000489-84-9	20
5	2,3,4-Trimethoxybenzyl alcohol	198	C10H14O4	071989-96-3	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081219\
Data File : BF116209.D
Acq On : 13 Aug 2019 00:35
Operator : HP/JU
Sample : K4223-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
unknown6.60	6.60	60.2	ng	2250380	1	6.83	747222	20.0
n-Hexadecanoic acid	11.89	18.9	ng	1161010	4	11.36	1230770	20.0
1-Octadecene	12.42	5.9	ng	362899	4	11.36	1230770	20.0
Phytol	12.50	7.3	ng	451290	4	11.36	1230770	20.0
Octadecanoic acid	12.67	14.5	ng	889779	4	11.36	1230770	20.0
Pyrene, 1-methyl-	13.33	4.5	ng	284262	5	14.00	1267220	20.0
2-Phenanthrenol, ...	13.36	5.3	ng	333874	5	14.00	1267220	20.0
unknown13.70	13.70	4.3	ng	270207	5	14.00	1267220	20.0
Dehydroabietic acid	13.79	7.4	ng	468802	5	14.00	1267220	20.0
11H-Benzo[a]fluor...	13.86	7.3	ng	465482	5	14.00	1267220	20.0
2-Bromo dodecane	14.44	6.1	ng	385531	5	14.00	1267220	20.0
Benzo[e]pyrene	15.34	5.8	ng	324434	6	15.46	1121260	20.0
Eicosane, 10-methyl-	15.88	27.4	ng	1538310	6	15.46	1121260	20.0
Vitamin E	16.16	13.0	ng	728988	6	15.46	1121260	20.0
.gamma.-Sitosterol	17.49	30.1	ng	1685580	6	15.46	1121260	20.0
Stigmastanol	17.62	11.9	ng	665154	6	15.46	1121260	20.0
.beta.-Amyrin	17.93	25.5	ng	1430910	6	15.46	1121260	20.0
.beta.-Humulene	18.27	32.2	ng	1806770	6	15.46	1121260	20.0
unknown18.82	18.82	15.4	ng	860338	6	15.46	1121260	20.0