LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105024.D
Acq On : 2 May 2018 12:17
Operator : JU/SJ
Sample : J2157-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-043018-E

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:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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	4.992	491	494	504	rBV	62358	89168	3.70%	0.298%
2	5.404	560	564	582	rBV	2004883	1979730	82.14%	6.614%
3	6.434	734	739	750	rBV	1905455	2014352	83.58%	6.730%
4	6.563	756	761	764	rBV	2246684	2079832	86.29%	6.948%
5	6.787	796	799	807	rBV	706864	563775	23.39%	1.883%
6	6.945	822	826	829	rBV	1913652	1661967	68.96%	5.552%
7	7.357	891	896	899	rBV	1355775	1231396	51.09%	4.114%
8	8.075	1014	1018	1035	rVB	796069	774668	32.14%	2.588%
9	9.151	1196	1201	1204	rBV	2655591	2410169	100.00%	8.052%
10	9.410	1242	1245	1250	rVB2	71913	68360	2.84%	0.228%
11	9.486	1254	1258	1262	rVV3	22880	47174	1.96%	0.158%
12	9.545	1264	1268	1275	rVB	232088	232419	9.64%	0.776%
13	9.692	1290	1293	1296	rBV2	33042	31715	1.32%	0.106%
14	9.751	1298	1303	1307	rBV2	65341	61845	2.57%	0.207%
15	9.827	1313	1316	1320	rBV	974693	827228	34.32%	2.764%
16	9.939	1330	1335	1338	rVB4	20218	25608	1.06%	0.086%
17	10.033	1348	1351	1355	rBV3	25147	27040	1.12%	0.090%
18	10.251	1385	1388	1390	rVB	83400	65680	2.73%	0.219%
19	10.380	1406	1410	1415	rVB2	30232	34233	1.42%	0.114%
20	10.469	1419	1425	1427	rBV3	23022	28864	1.20%	0.096%
21	10.622	1447	1451	1460	rVB	1406883	1430028	59.33%	4.777%
22	10.722	1466	1468	1478	rVB	66315	88363	3.67%	0.295%
23	10.927	1498	1503	1506	rBV5	20177	28178	1.17%	0.094%
24	11.174	1541	1545	1547	rBV2	41659	38294	1.59%	0.128%
25	11.322	1566	1570	1572	rBV	908746	786804	32.65%	2.629%
26	11.345	1572	1574	1580	rVB	216966	217972	9.04%	0.728%
27	11.398	1580	1583	1585	rBV	34775	31469	1.31%	0.105%
28	11.669	1624	1629	1633	rBV3	36532	60793	2.52%	0.203%
29	11.821	1652	1655	1657	rBV	46495	42475	1.76%	0.142%
30	11.845	1657	1659	1663	rVV2	140513	142977	5.93%	0.478%
31	11.933	1671	1674	1677	rBV2	68384	78140	3.24%	0.261%
32	12.004	1683	1686	1691	rVB3	92134	94383	3.92%	0.315%
33	12.116	1703	1705	1710	rBV	33214	37692	1.56%	0.126%
34	12.263	1723	1730	1732	rBV5	23492	36615	1.52%	0.122%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J2157-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-043018-E

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:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.374	1743	1749	1751	rBV	55198	74778	3.10%	0.250%
36	12.410	1751	1755	1757	rVV4	44066	59112	2.45%	0.197%
37	12.457	1760	1763	1768	rVV4	49501	66904	2.78%	0.224%
38	12.539	1774	1777	1780	rBV	292854	254742	10.57%	0.851%
39	12.627	1789	1792	1796	rVB2	30961	36856	1.53%	0.123%
40	12.768	1813	1816	1820	rVV	271778	233138	9.67%	0.779%
41	12.821	1823	1825	1828	rVB3	27082	25489	1.06%	0.085%
42	12.916	1836	1841	1844	rBV	1915928	1846841	76.63%	6.170%
43	12.998	1850	1855	1858	rBV4	21774	42066	1.75%	0.141%
44	13.104	1866	1873	1876	rBV2	50589	89614	3.72%	0.299%
45	13.210	1888	1891	1895	rBV2	35067	40371	1.68%	0.135%
46	13.310	1905	1908	1910	rBV	36934	41469	1.72%	0.139%
47	13.345	1910	1914	1919	rVV3	76082	129390	5.37%	0.432%
48	13.398	1919	1923	1925	rVV4	46579	65045	2.70%	0.217%
49	13.427	1925	1928	1933	rVB3	36553	52044	2.16%	0.174%
50	13.492	1935	1939	1941	rBV2	48290	59501	2.47%	0.199%
51	13.839	1994	1998	2010	rVB3	321633	400785	16.63%	1.339%
52	13.933	2012	2014	2019	rBV5	21899	28398	1.18%	0.095%
53	14.021	2024	2029	2032	rVV2	672532	769002	31.91%	2.569%
54	14.051	2032	2034	2039	rVB	116074	113903	4.73%	0.381%
55	14.192	2055	2058	2064	rVB2	88775	98506	4.09%	0.329%
56	14.539	2113	2117	2124	rVB2	201604	283222	11.75%	0.946%
57	14.880	2172	2175	2178	rBV	55295	55433	2.30%	0.185%
58	14.957	2185	2188	2191	rVB2	99624	109985	4.56%	0.367%
59	15.157	2219	2222	2225	rBV	90259	140871	5.84%	0.471%
60	15.227	2230	2234	2237	rBV	624851	720184	29.88%	2.406%
61	15.462	2271	2274	2277	rBV	78859	89295	3.70%	0.298%
62	15.521	2281	2284	2289	rVB	96979	122399	5.08%	0.409%
63	15.592	2291	2296	2309	rVB	466680	749614	31.10%	2.504%
64	15.939	2352	2355	2365	rVB2	75641	134061	5.56%	0.448%
65	16.045	2368	2373	2378	rBV	588302	885314	36.73%	2.958%
66	16.315	2416	2419	2428	rVB2	169839	321103	13.32%	1.073%
67	17.145	2555	2560	2567	rVB2	89182	183415	7.61%	0.613%
68	17.639	2636	2644	2645	rBV2	287988	559030	23.19%	1.868%
69	17.833	2673	2677	2685	rVB2	167817	353486	14.67%	1.181%
70	17.950	2693	2697	2702	rBV7	69852	133940	5.56%	0.447%
71	18.086	2714	2720	2727	rBV	260774	662291	27.48%	2.213%

LSC Area Percent Report

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Instrument : BNA_F
ClientSampleId : CL-02-043018-E

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.186	2731	2737	2748	rVB7	257244	818184	33.95%	2.733%
73	18.433	2771	2779	2784	rBV6	254724	743087	30.83%	2.483%
74	18.580	2799	2804	2811	rVV4	113663	244850	10.16%	0.818%
75	18.650	2812	2816	2828	rVB9	116375	314445	13.05%	1.050%
76	19.009	2870	2877	2890	rVB8	117945	411395	17.07%	1.374%

Sum of corrected areas: 29932964

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
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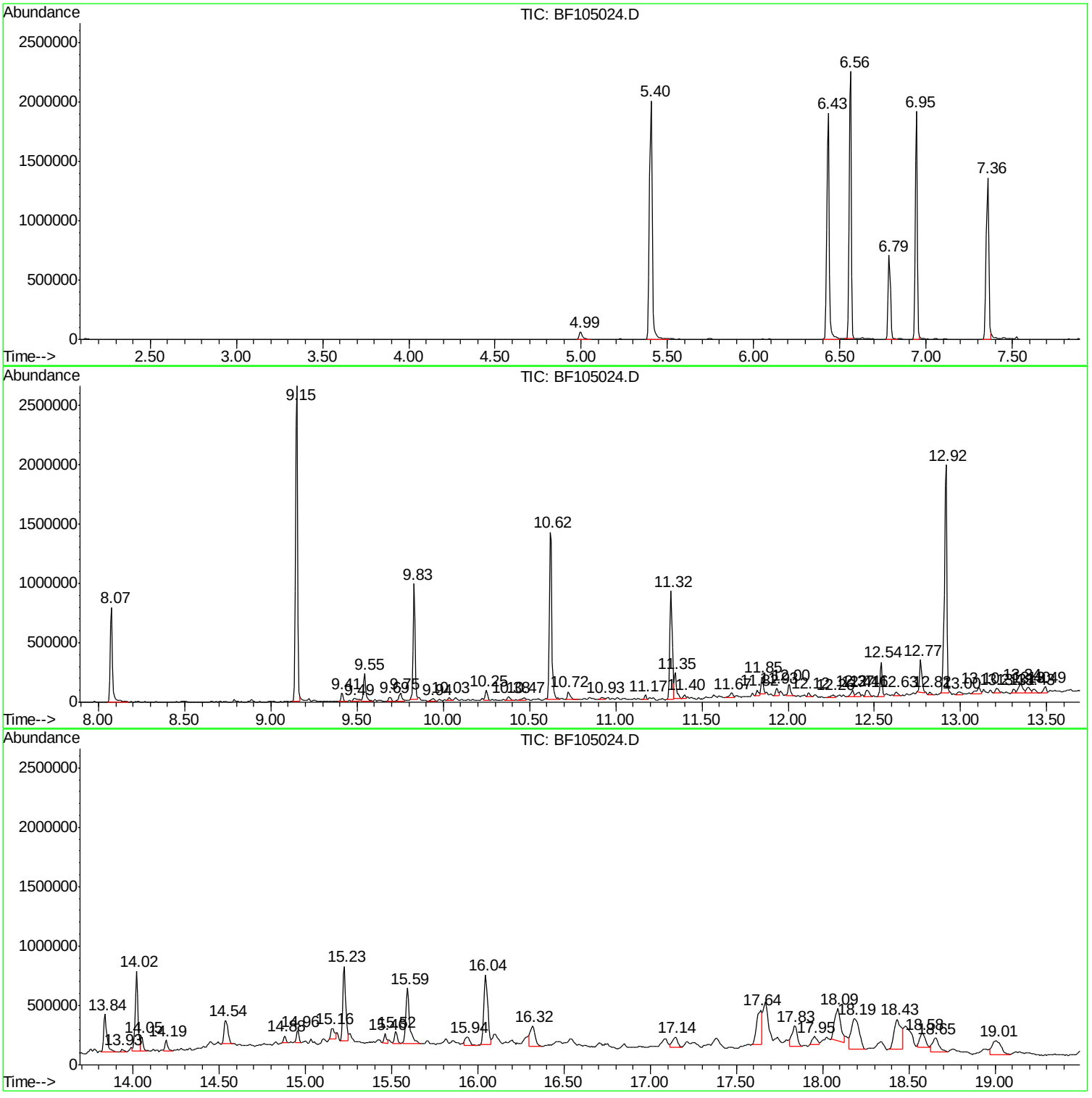
Sample : J2157-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-043018-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105024.D
Acq On : 2 May 2018 12:17
Operator : JU/SJ
Sample : J2157-21
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Instrument : BNA_F
ClientSampleId : CL-02-043018-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

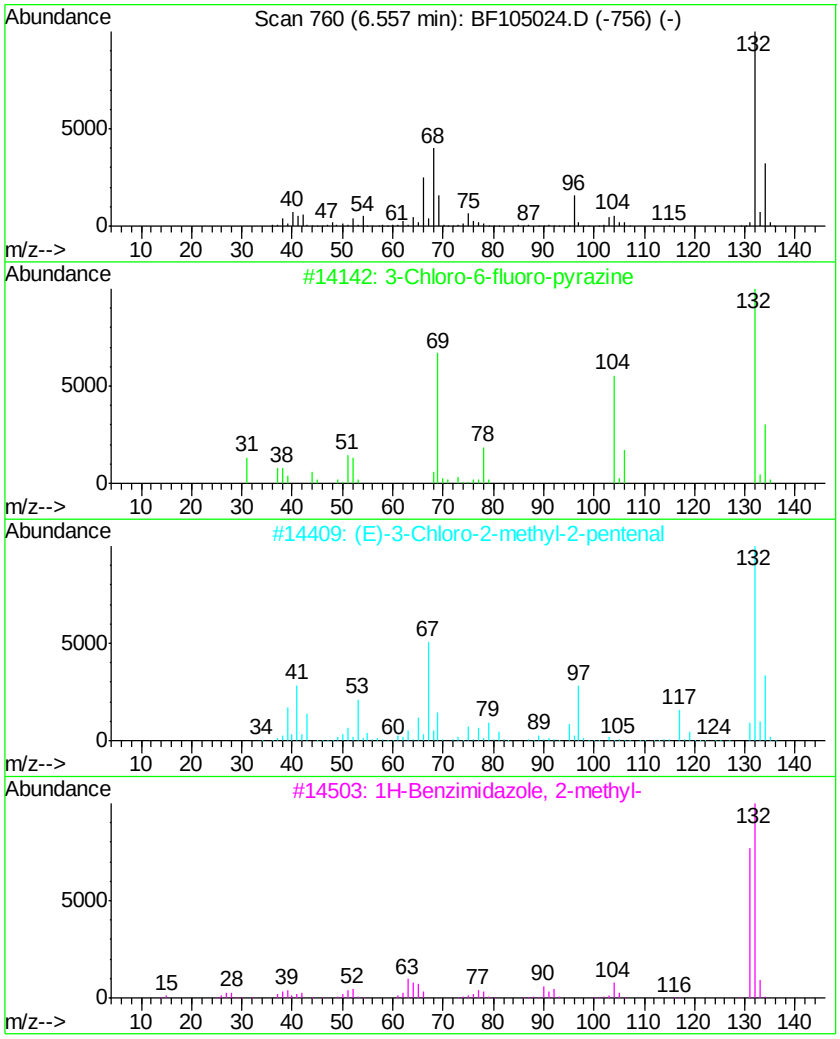
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

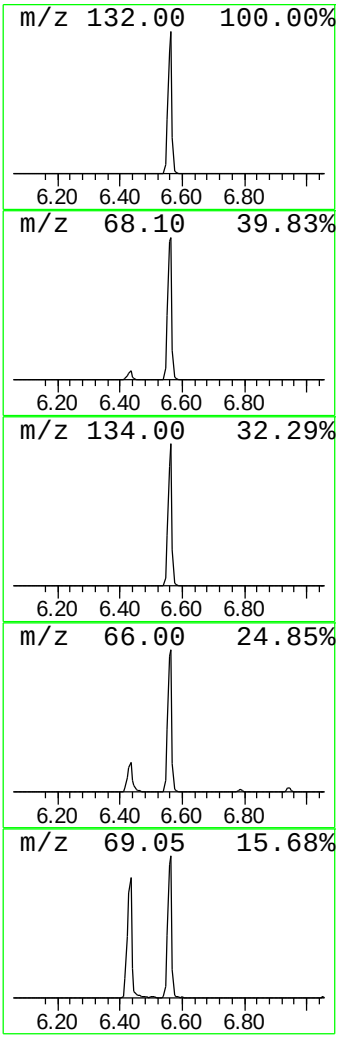
****

Peak Number 1 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	73.78 ng	2079830	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	Xenon	132	Xe	007440-63-3	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Sample : J2157-21
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Instrument : BNA_F
ClientSampleId : CL-02-043018-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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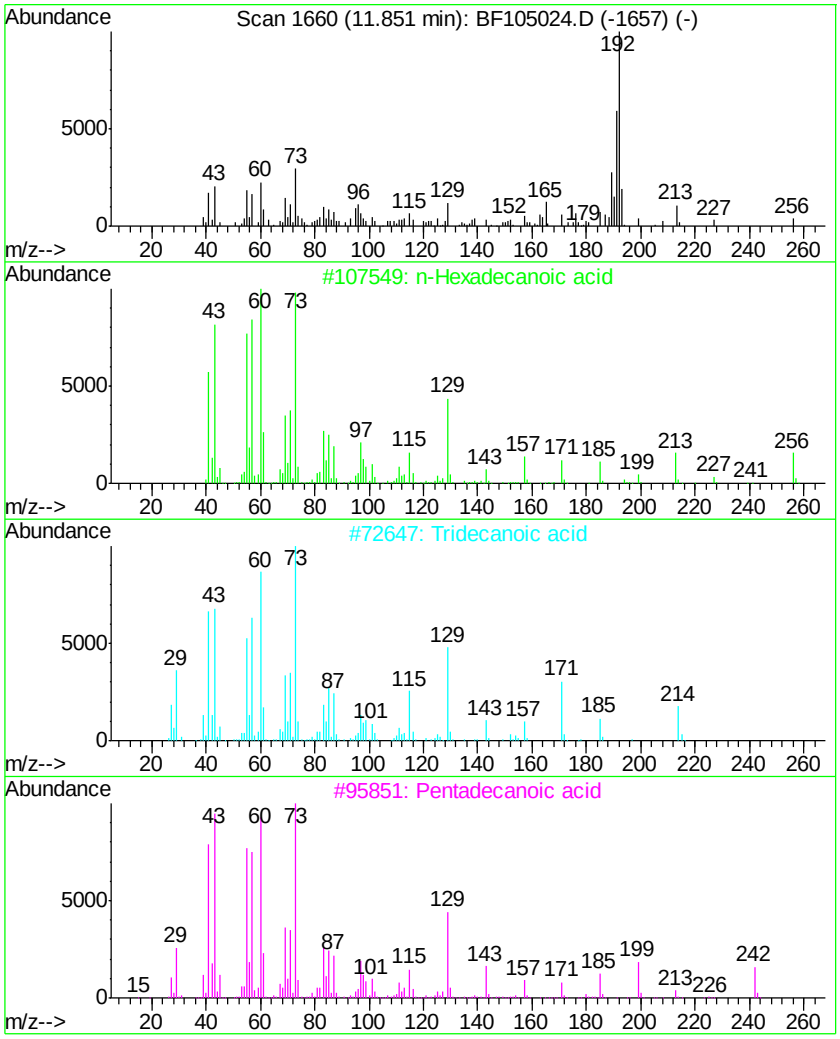
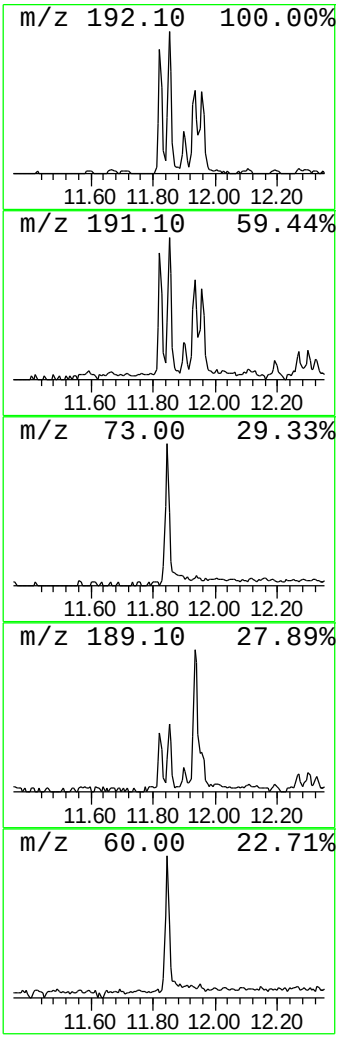
Peak Number 3 n-Hexadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	3.63 ng	142977	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	70
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
4	n-Decanoic acid	172	C10H20O2	000334-48-5	64
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105024.D
Acq On : 2 May 2018 12:17
Operator : JU/SJ
Sample : J2157-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-043018-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

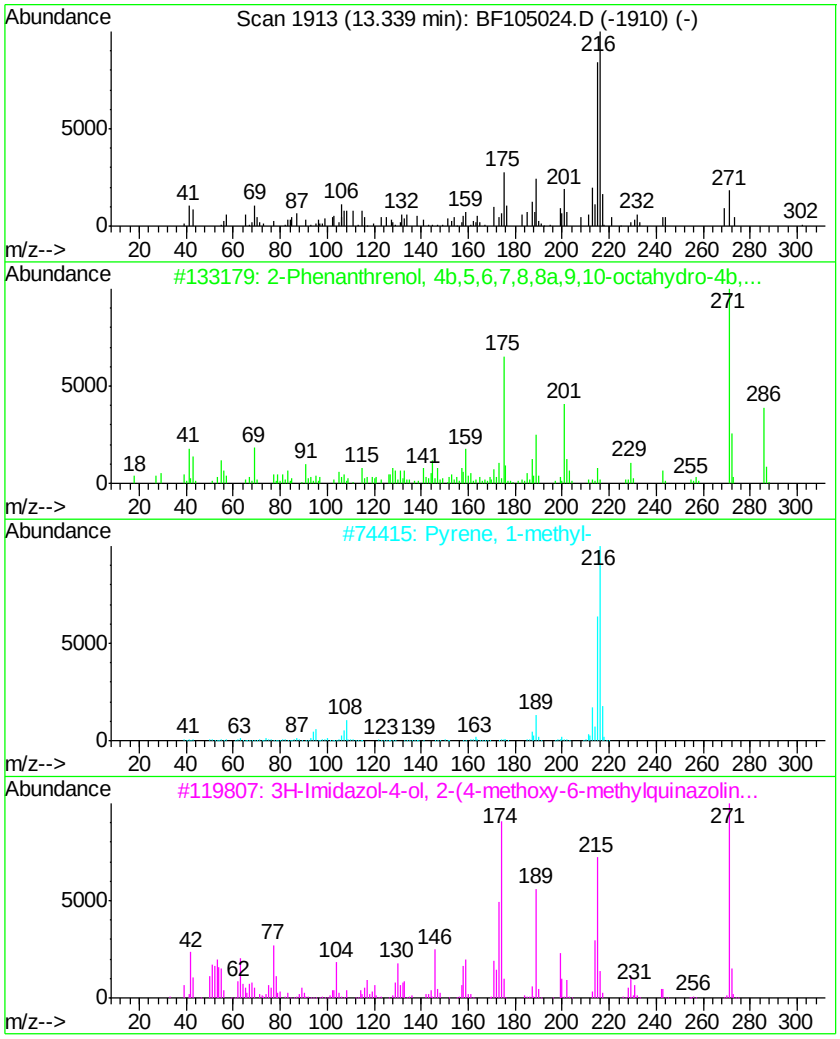
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

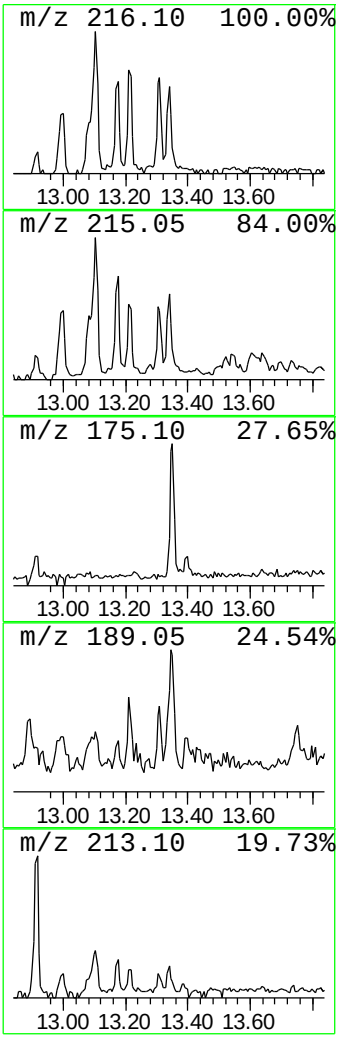
****

Peak Number 4 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	3.37 ng	129390	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	83
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	38
3	3H-Imidazol-4-ol, 2-(4-methoxy-6...	271	C13H13N5O2	1000310-95-0	38
4	Ethanone, 1-(1-hydroxy-3-methoxy...	216	C13H12O3	054815-11-1	25
5	2,3-Hexadienoic acid, 2-methyl-4...	216	C14H16O2	038701-06-3	25





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Instrument : BNA_F
ClientSampleId : CL-02-043018-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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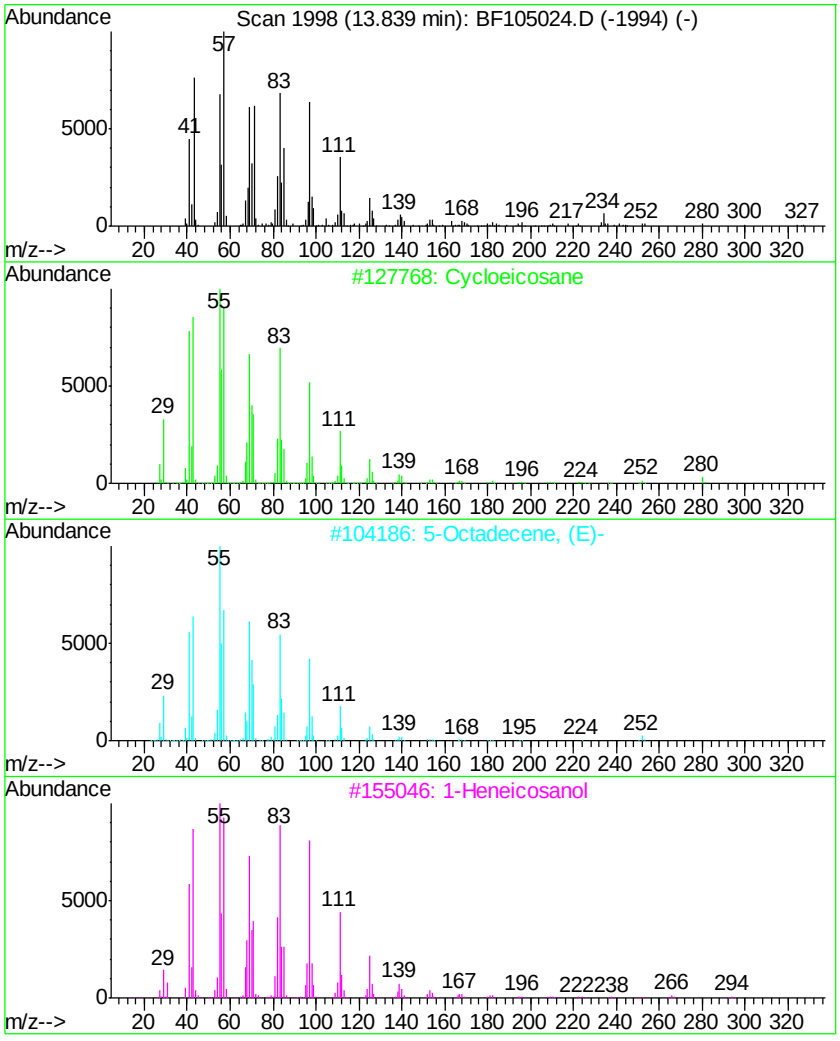
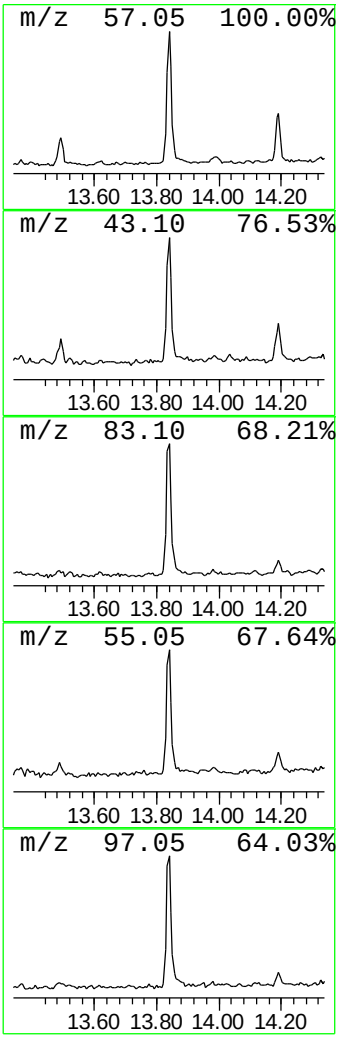
Peak Number 5 Cycloeicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	10.42 ng	400785	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	96
2	5-Octadecene, (E)-	252	C18H36	007206-21-5	93
3	1-Heneicosanol	312	C21H44O	015594-90-8	92
4	Eicosyl heptafluorobutyrate	494	C24H41F7O2	1000351-83-5	91
5	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-043018-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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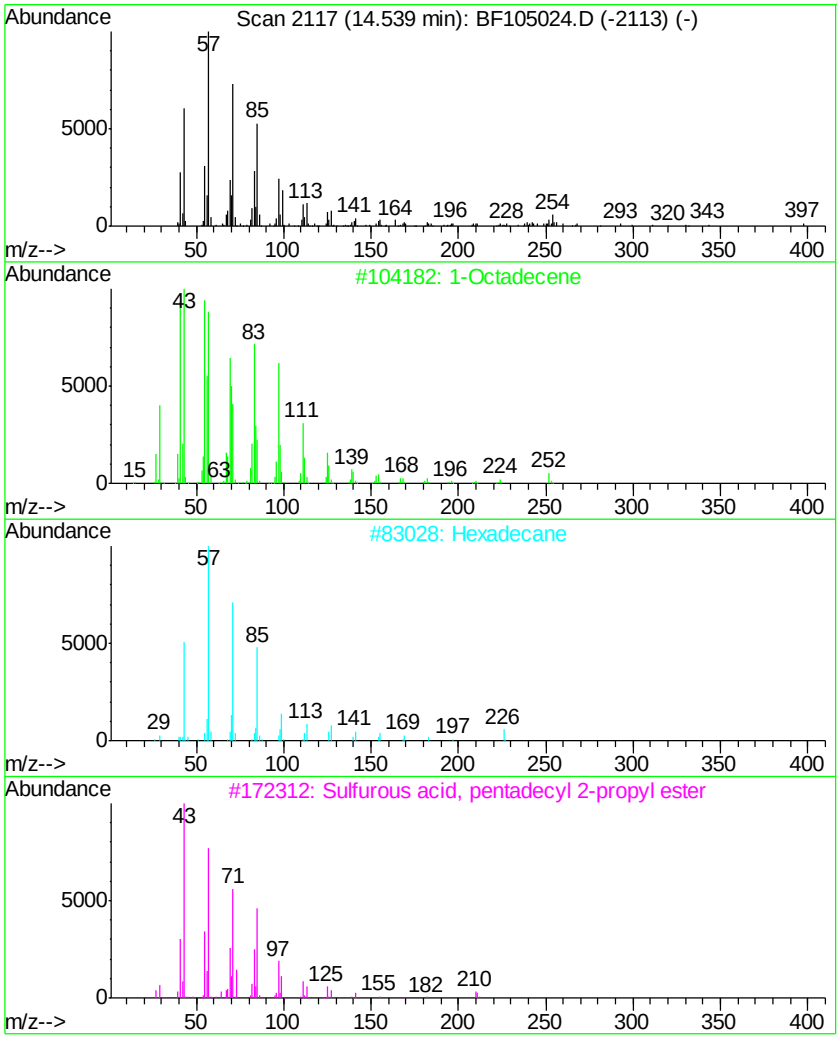
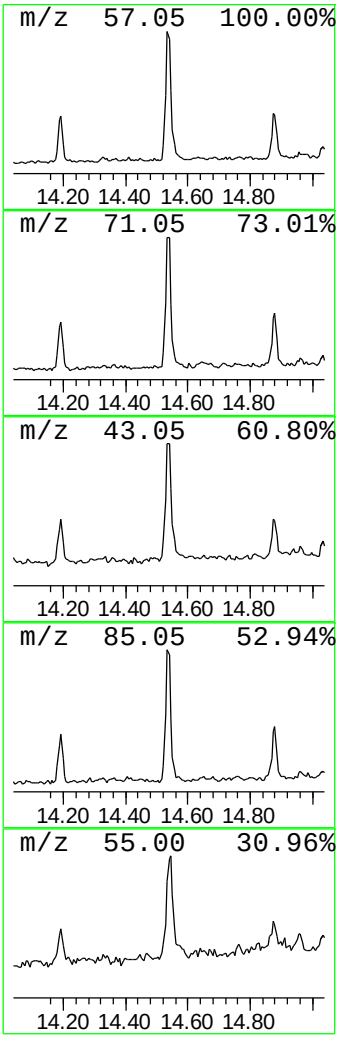
Peak Number 6 1-Octadecene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	7.37 ng	283222	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	93
2	Hexadecane	226	C16H34	000544-76-3	92
3	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	91
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	91
5	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105024.D
Acq On : 2 May 2018 12:17
Operator : JU/SJ
Sample : J2157-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-043018-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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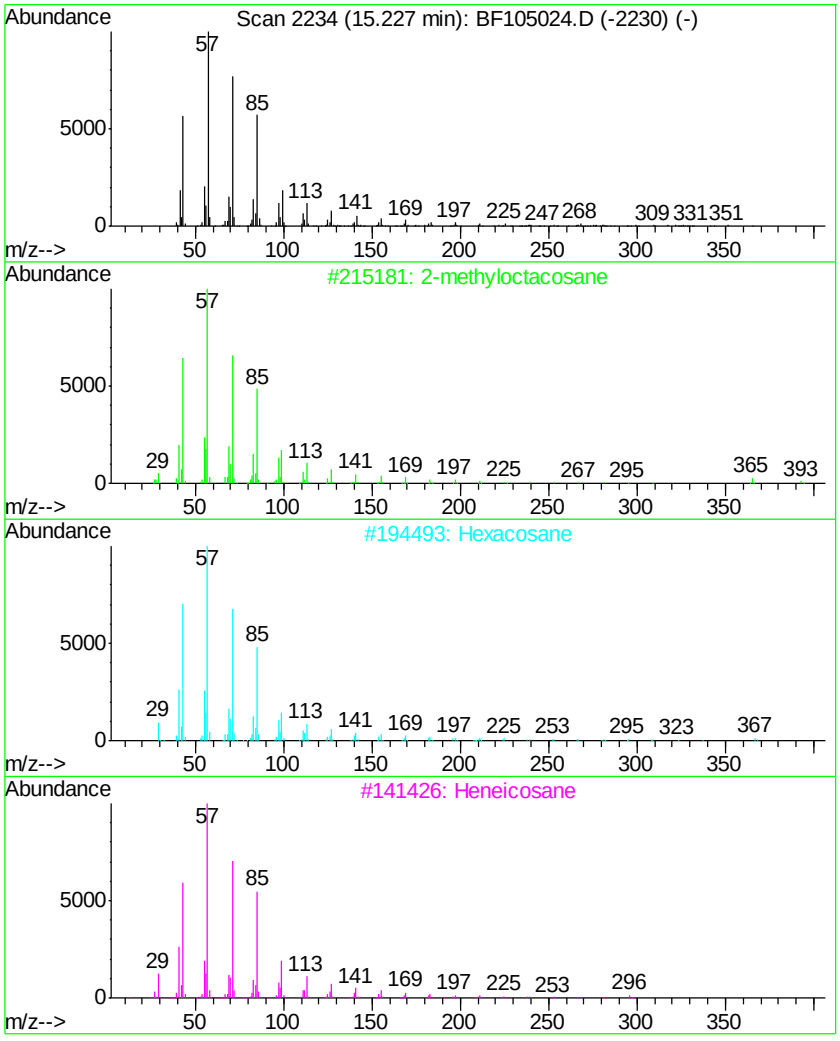
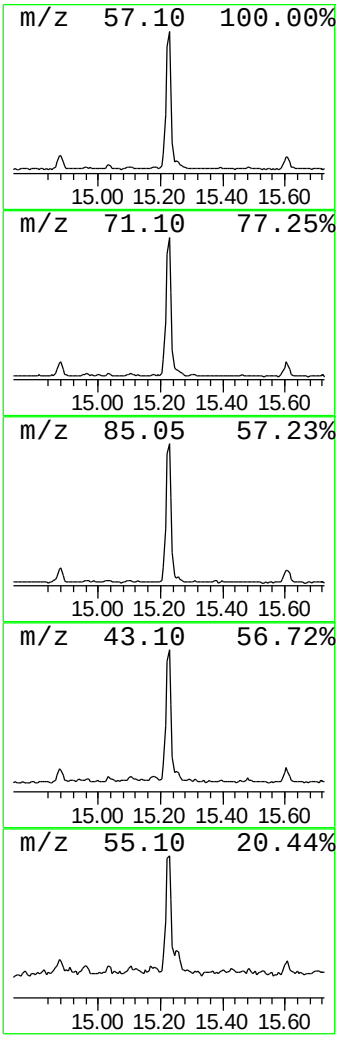
Peak Number 7 2-methyloctacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	19.21 ng	720184	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Octacosane	394	C28H58	000630-02-4	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105024.D
Acq On : 2 May 2018 12:17
Operator : JU/SJ
Sample : J2157-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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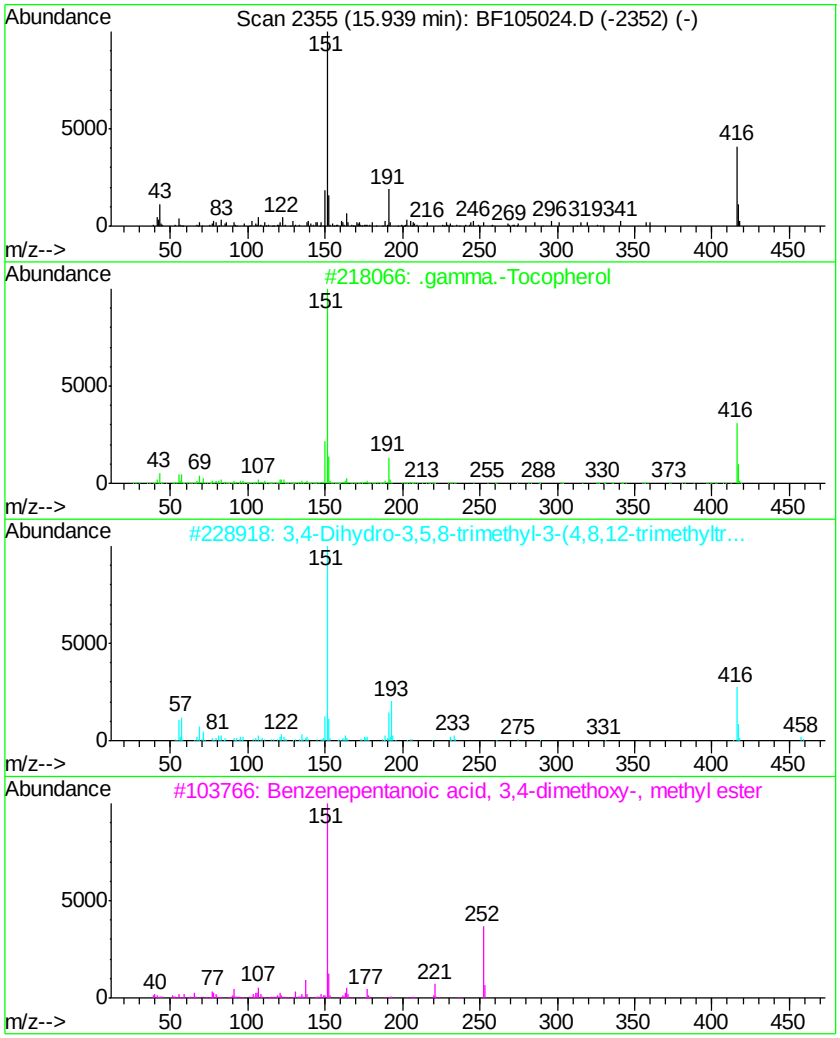
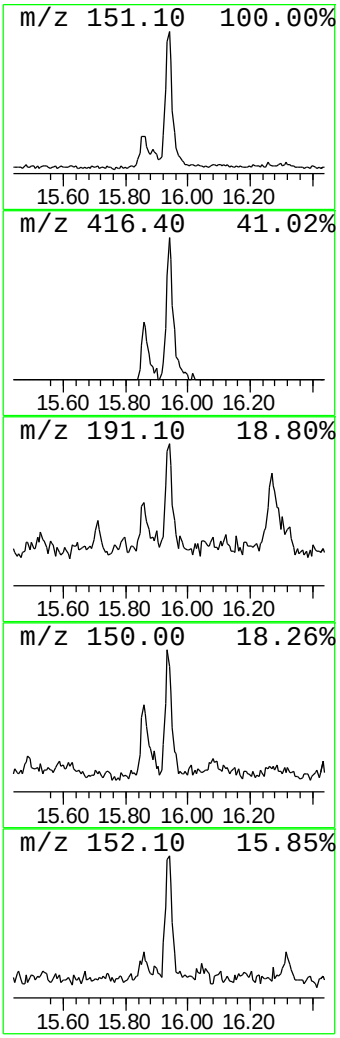
Peak Number 8 .gamma.-Tocopherol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	3.58 ng	134061	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Tocopherol	416	C28H48O2	007616-22-0	93
2	3,4-Dihydro-3,5,8-trimethyl-3-(4...	458	C30H50O3	1000105-71-9	50
3	Benzenepentanoic acid, 3,4-dimet...	252	C14H20O4	131699-18-8	43
4	Silane, 2-butenylmethoxymethylph...	206	C12H18OSi	076557-76-1	38
5	3-Amino-4-methylbenzoic acid	151	C8H9NO2	002458-12-0	37





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Acq On : 2 May 2018 12:17
Operator : JU/SJ
Sample : J2157-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-043018-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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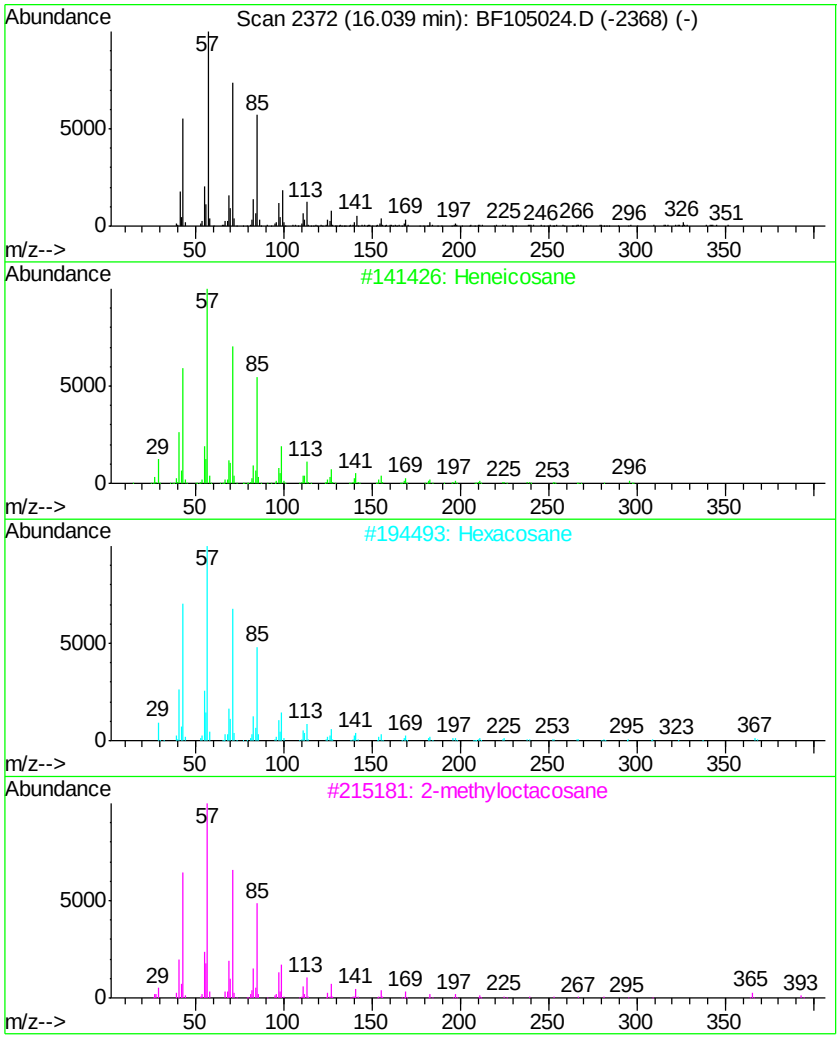
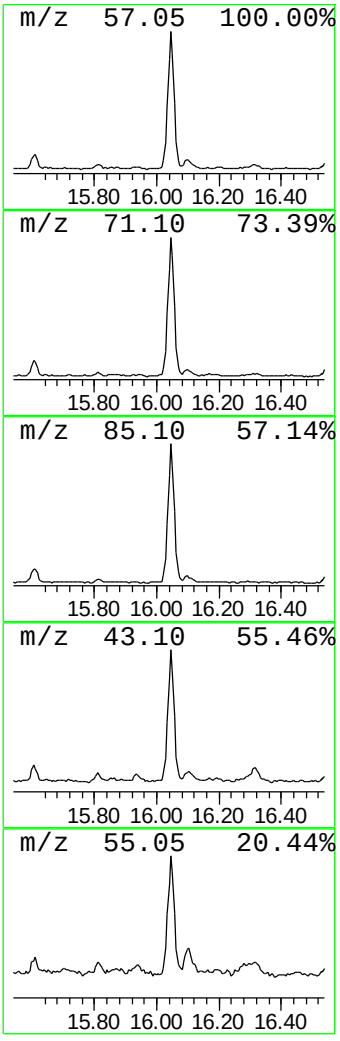
Peak Number 9 Heneicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	23.62 ng	885314	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





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ClientSampleId : CL-02-043018-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
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TIC Library : C:\DATABASE\NIST11.L
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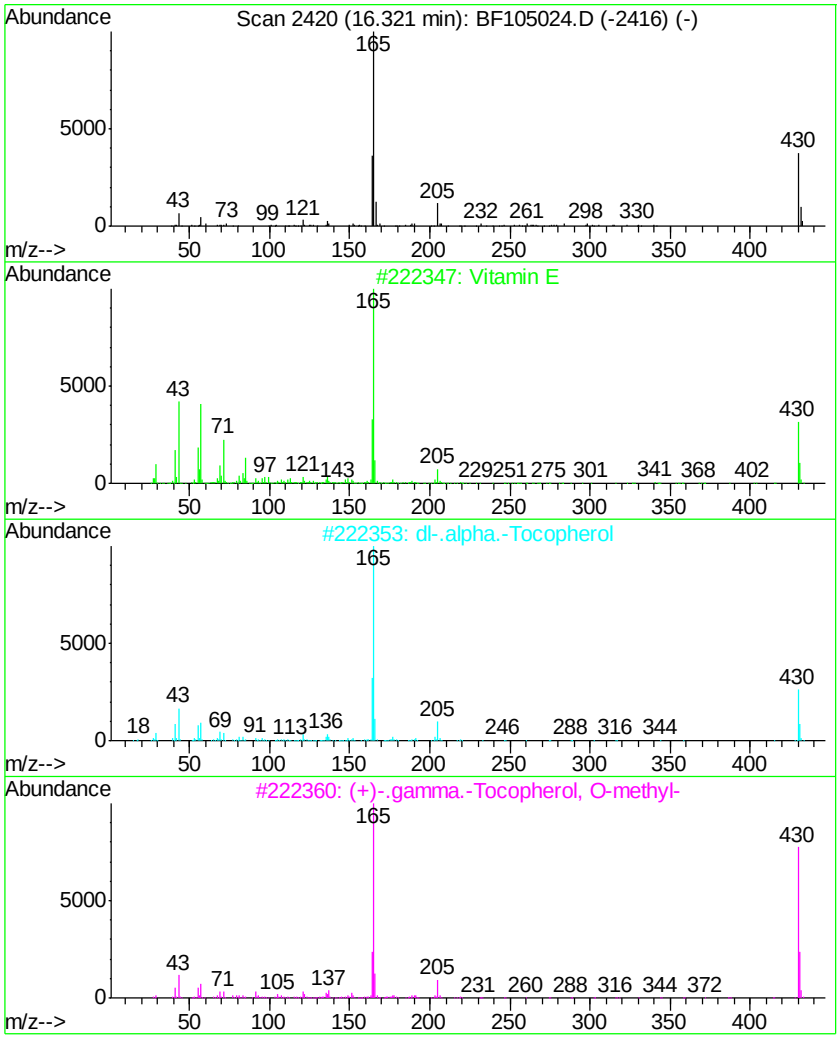
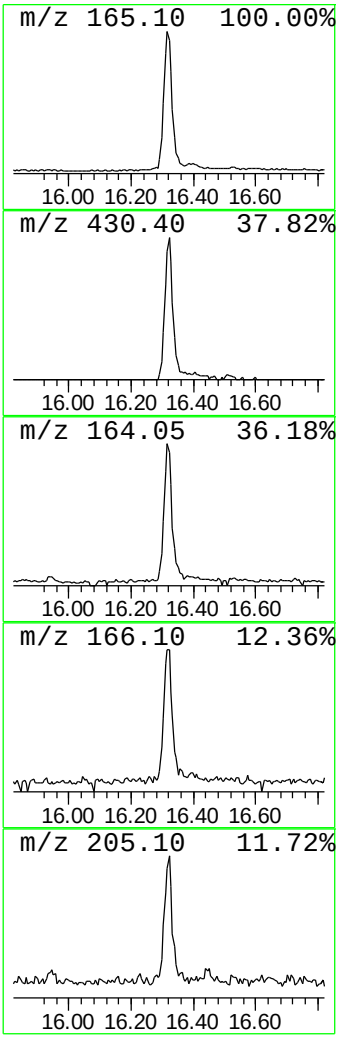
Peak Number 10 Vitamin E Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	8.57 ng	321103	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vitamin E	430	C29H50O2	000059-02-9	95
2	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	94
3	(+)-.gamma.-Tocopherol, O-methyl-	430	C29H50O2	1000374-72-2	91
4	.alpha.-Tocopherol-.beta.-D-mann...	592	C35H60O7	1000156-68-2	83
5	Isoxaben	332	C18H24N2O4	082558-50-7	47





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ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId : CL-02-043018-E

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TIC Library : C:\DATABASE\NIST11.L
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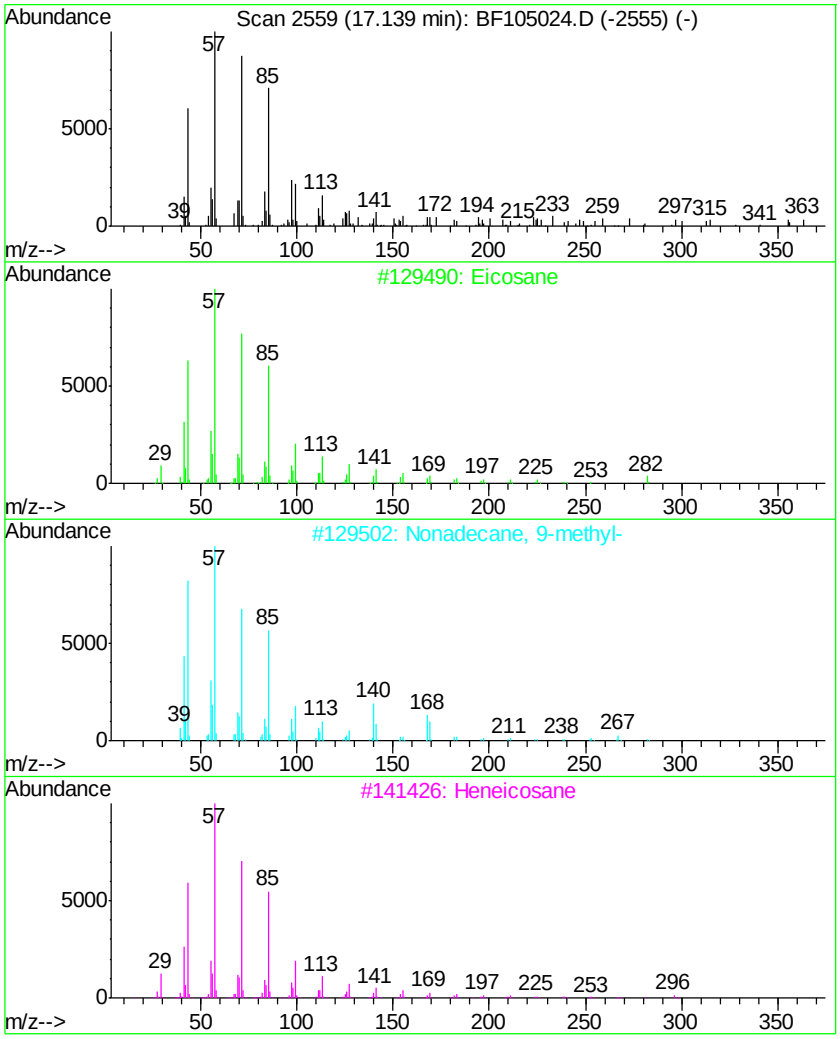
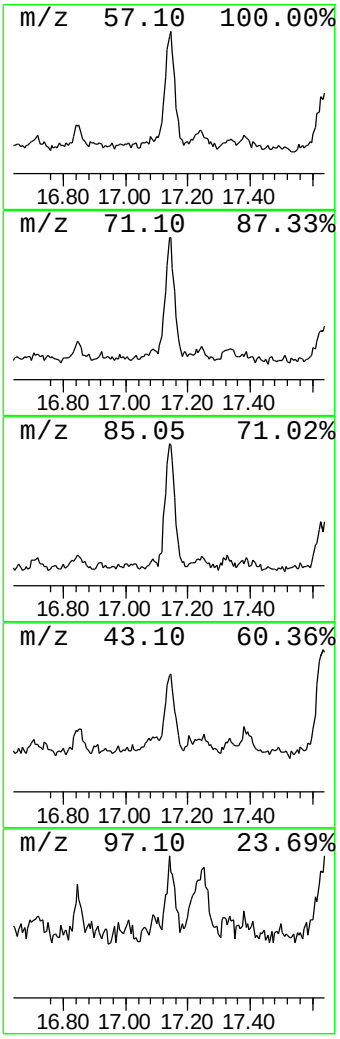
Peak Number 11 Eicosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	4.89 ng	183415	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	90
3	Heneicosane	296	C21H44	000629-94-7	81
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	76
5	2-methylhexacosane	380	C27H56	1000376-72-7	74





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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-043018-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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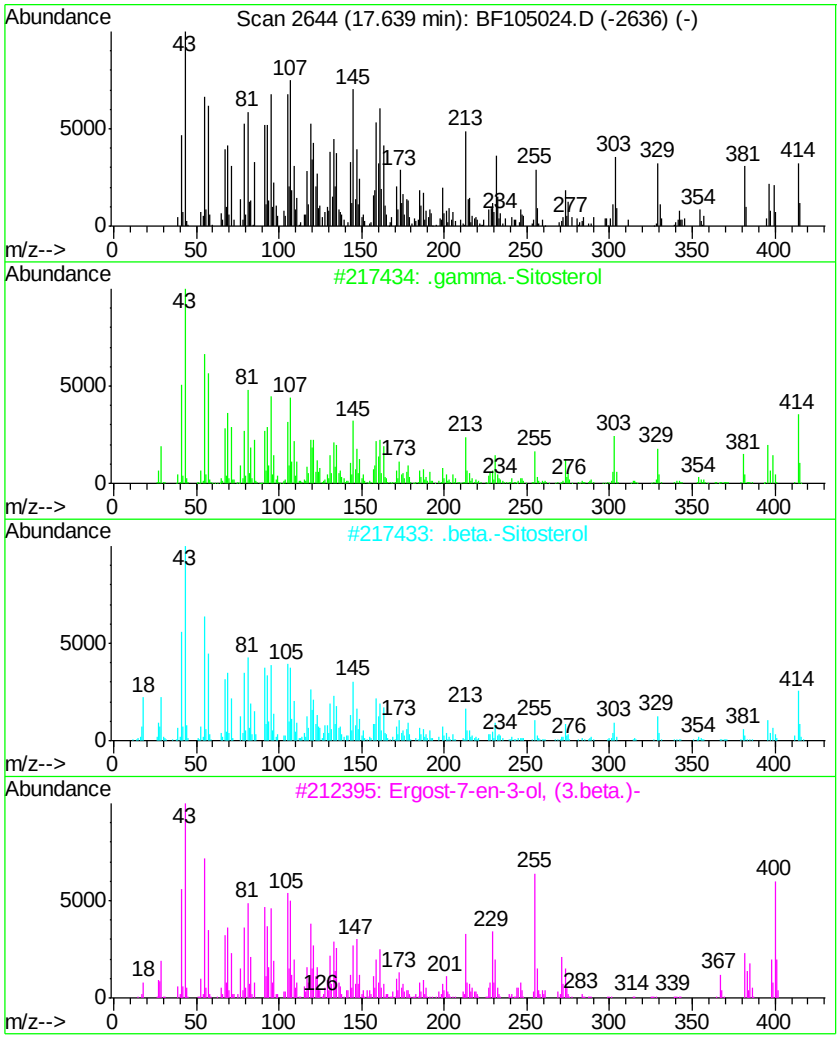
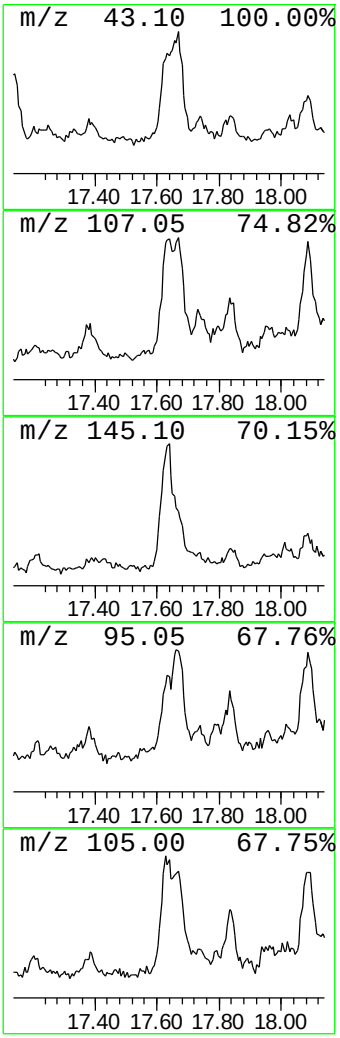
Peak Number 12 .gamma.-Sitosterol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	14.92 ng	559030	Perylene-d12	15.59

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	97
3	Ergost-7-en-3-ol, (3.beta.)-	400	C28H48O	026047-31-4	30
4	Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	27
5	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	25





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Sample : J2157-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-043018-E

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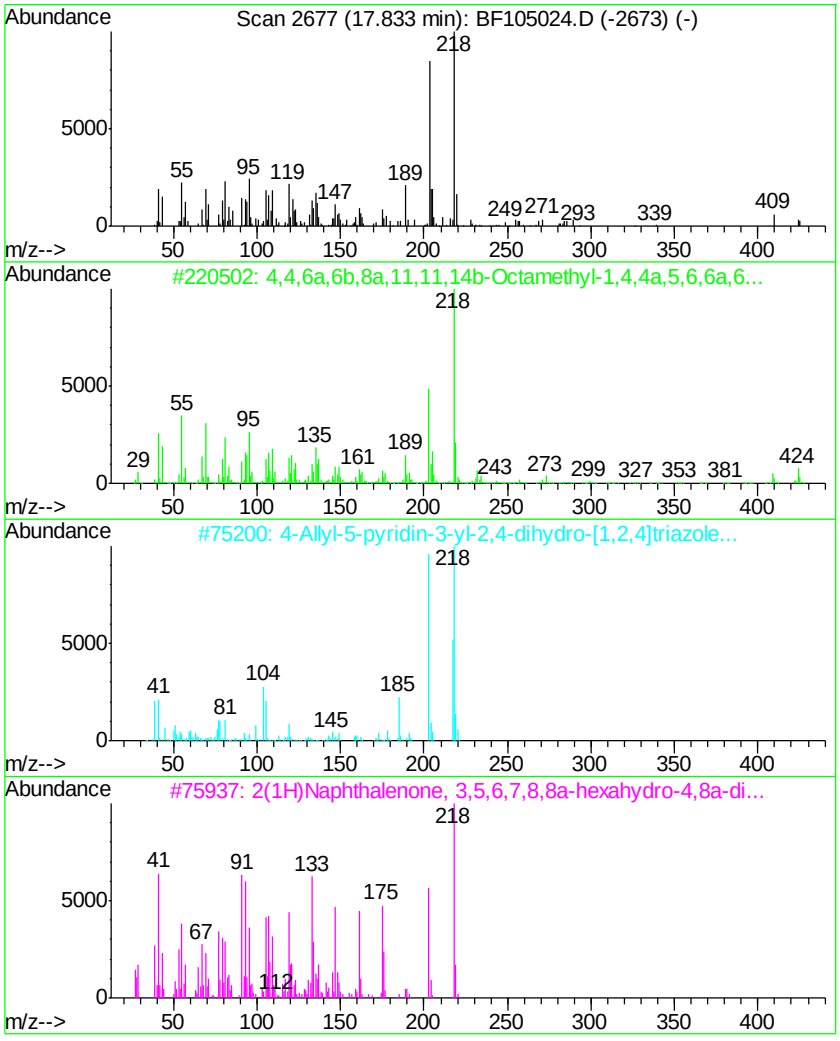
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

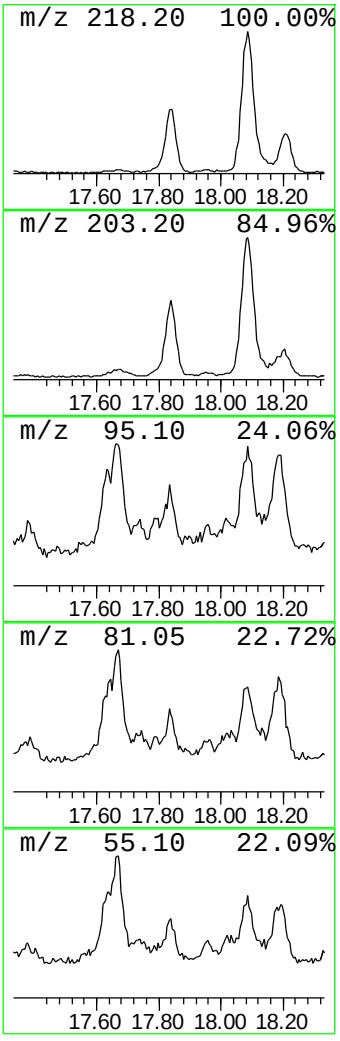
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 4,4,6a,6b,8a,11,11,14b-Octa... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	9.43 ng	353486	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4,6a,6b,8a,11,11,14b-Octamethy...	424	C30H48O	1000194-62-4	78
2	4-Allyl-5-pyridin-3-yl-2,4-dihyd...	218	C10H10N4S	1000300-40-5	52
3	2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	47
4	4,4,6a,6b,8a,11,12,14b-Octamethy...	424	C30H48O	1000194-64-2	46
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	43





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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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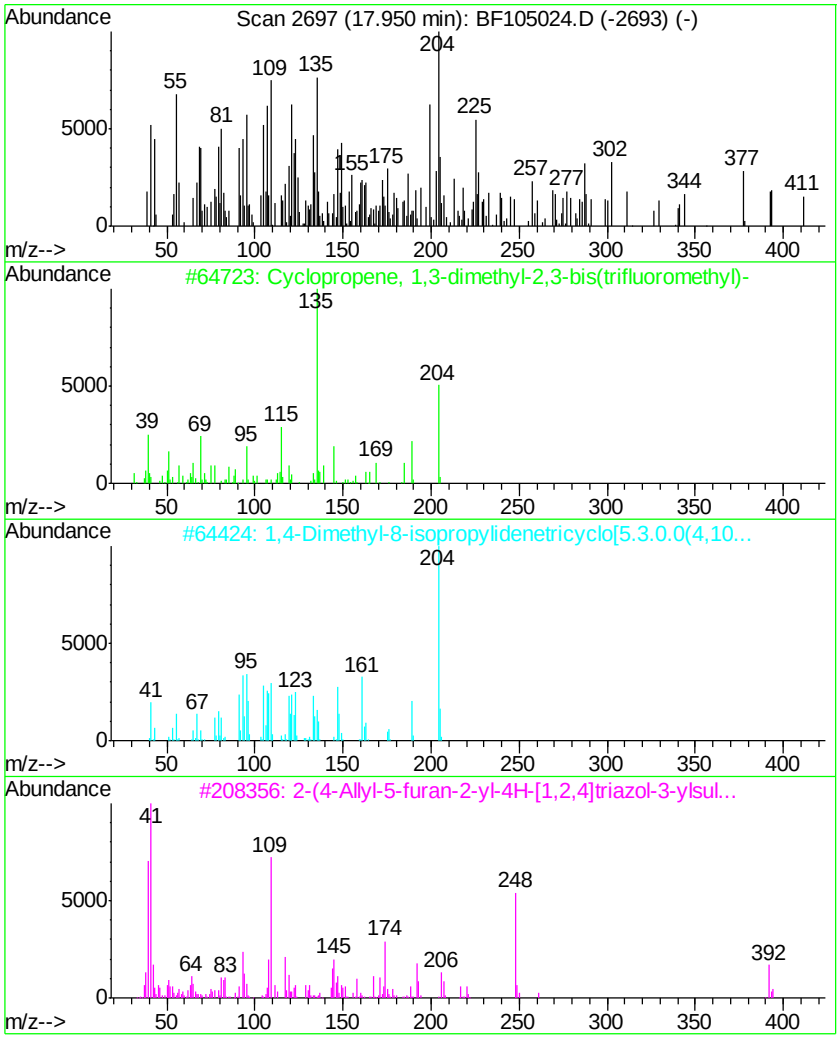
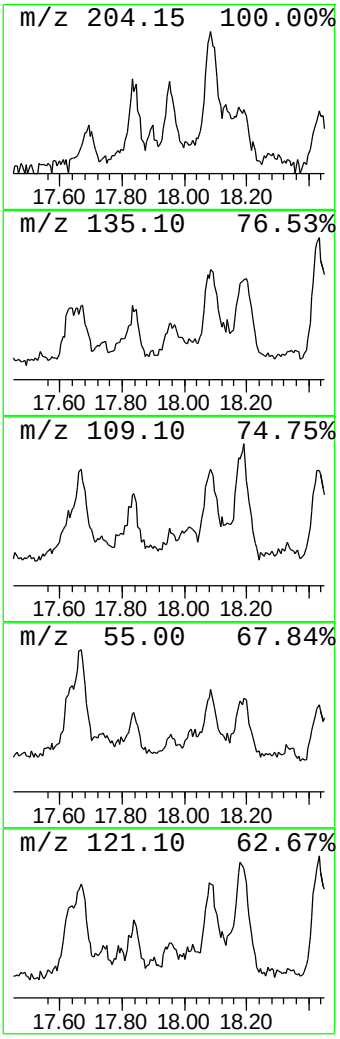
Peak Number 14 unknown17.95 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	3.57 ng	133940	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropene, 1,3-dimethyl-2,3-b...	204	C7H6F6	054932-73-9	38
2	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	30
3	2-(4-Allyl-5-furan-2-yl-4H-[1,2,...	392	C17H14ClFN4O2S	1000301-40-1	25
4	1a,2,5,5Tetramethyl-trans-1a,4a,...	194	C13H22O	1000215-77-6	25
5	Nicotinic acid, 1-adamantylmethy...	271	C17H21NO2	1000299-97-3	15





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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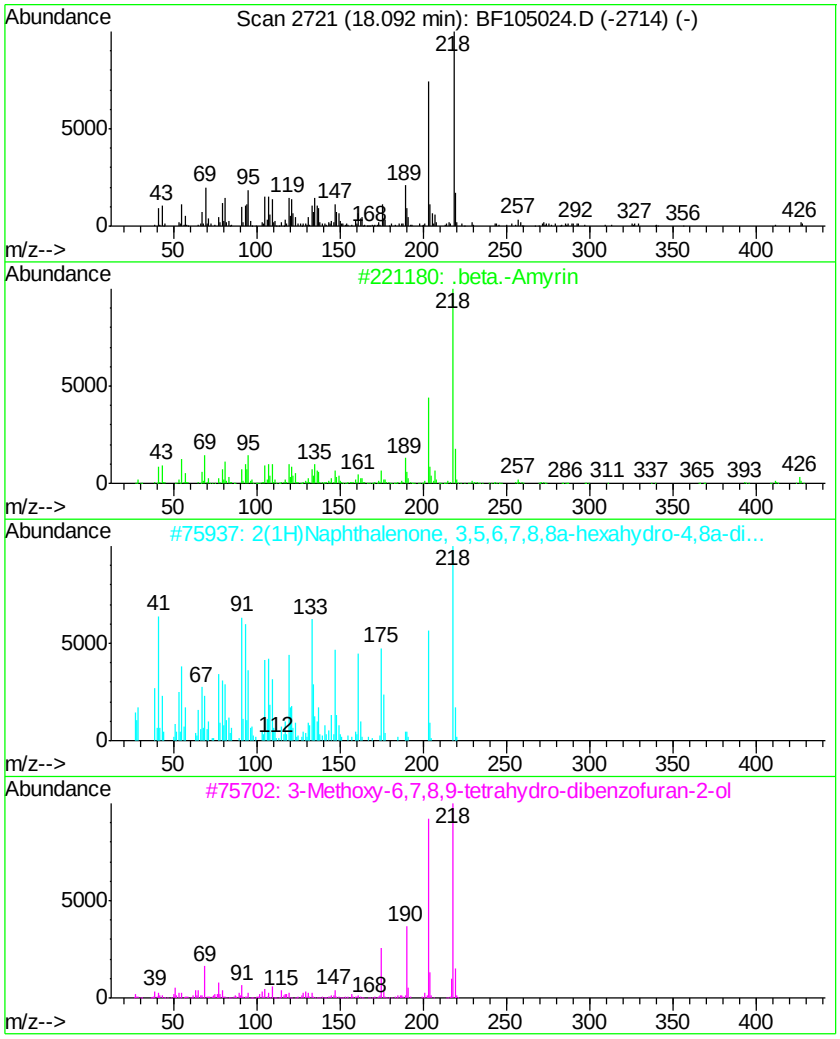
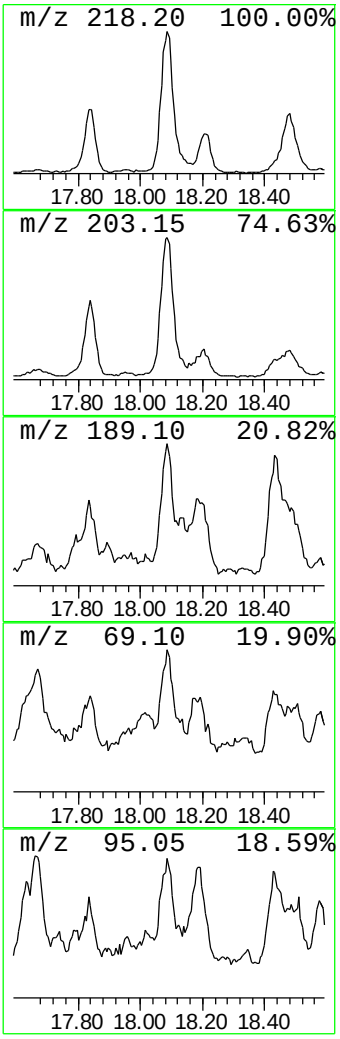
Peak Number 15 .beta.-Amyrin Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	17.67 ng	662291	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Amyrin	426	C30H50O	000559-70-6	76
2	2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	64
3	3-Methoxy-6,7,8,9-tetrahydro-dib...	218	C13H14O3	1000186-57-9	64
4	Neoisolongifolene, 8-bromo-	282	C15H23Br	1000151-64-8	60
5	8-Amino-6,7-dimethoxy-4-methylqu...	218	C12H14N2O2	1000213-07-2	59





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Instrument : BNA_F
ClientSampleId : CL-02-043018-E

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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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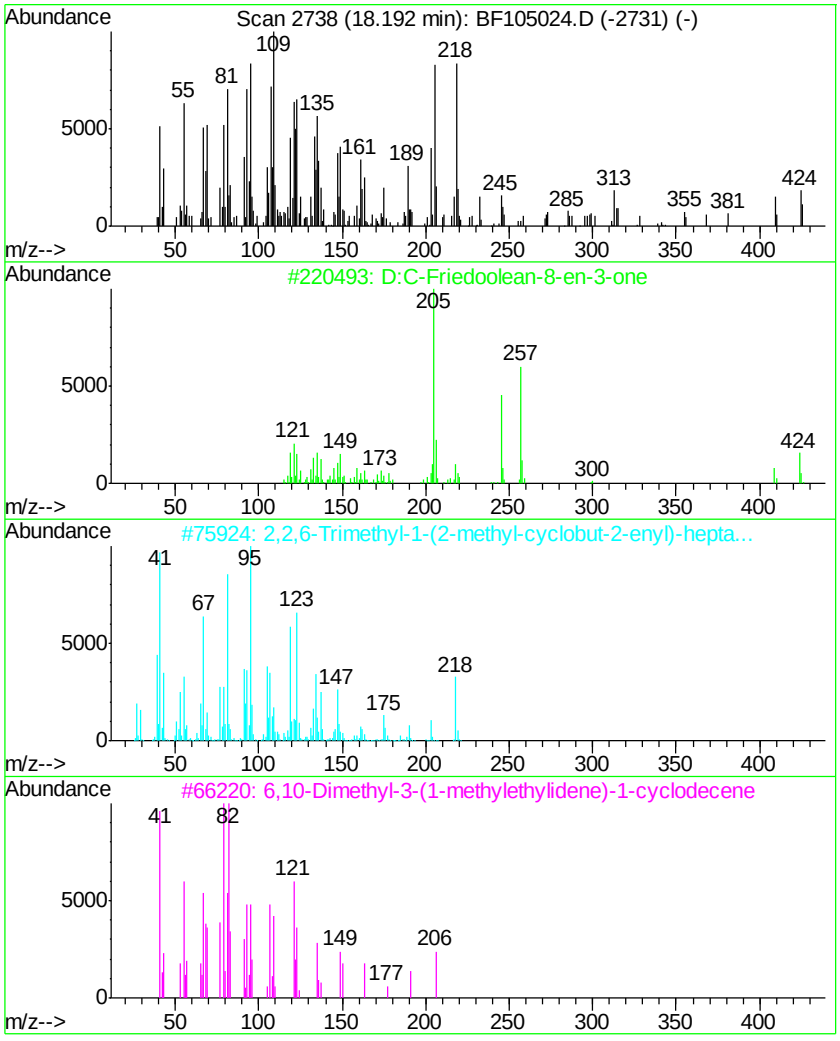
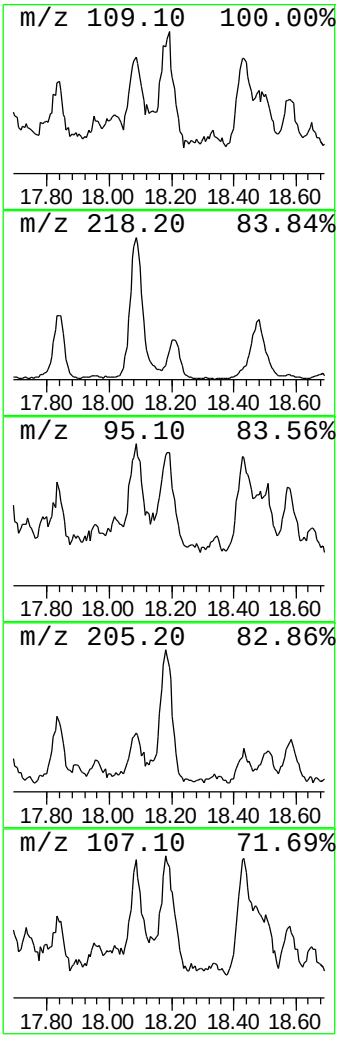
Peak Number 16 D:C-Friedoolean-8-en-3-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	21.83 ng	818184	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	60
2	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	49
3	6,10-Dimethyl-3-(1-methylethylid...	206	C15H26	069239-71-0	43
4	1-Isopropenyl-3-propenylcyclopen...	150	C11H18	1000192-81-2	40
5	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	30





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ClientSampleId : CL-02-043018-E

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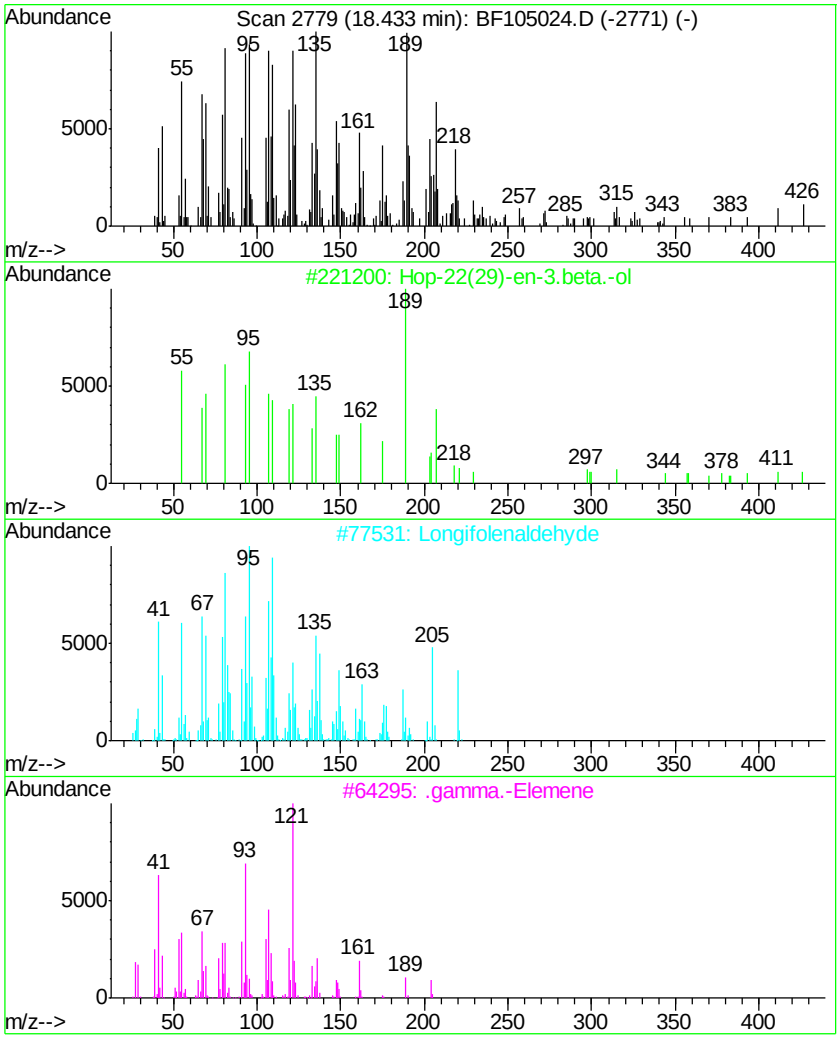
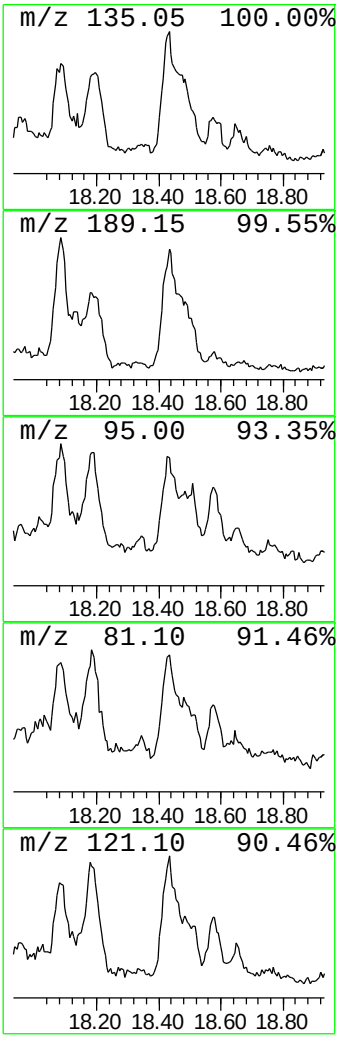
Peak Number 17 Hop-22(29)-en-3.beta.-ol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	19.83 ng	743087	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	87
2	Longifolenaldehyde	220	C15H24O	019890-84-7	50
3	.gamma.-Elemene	204	C15H24	029873-99-2	45
4	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	003242-08-8	42
5	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	38





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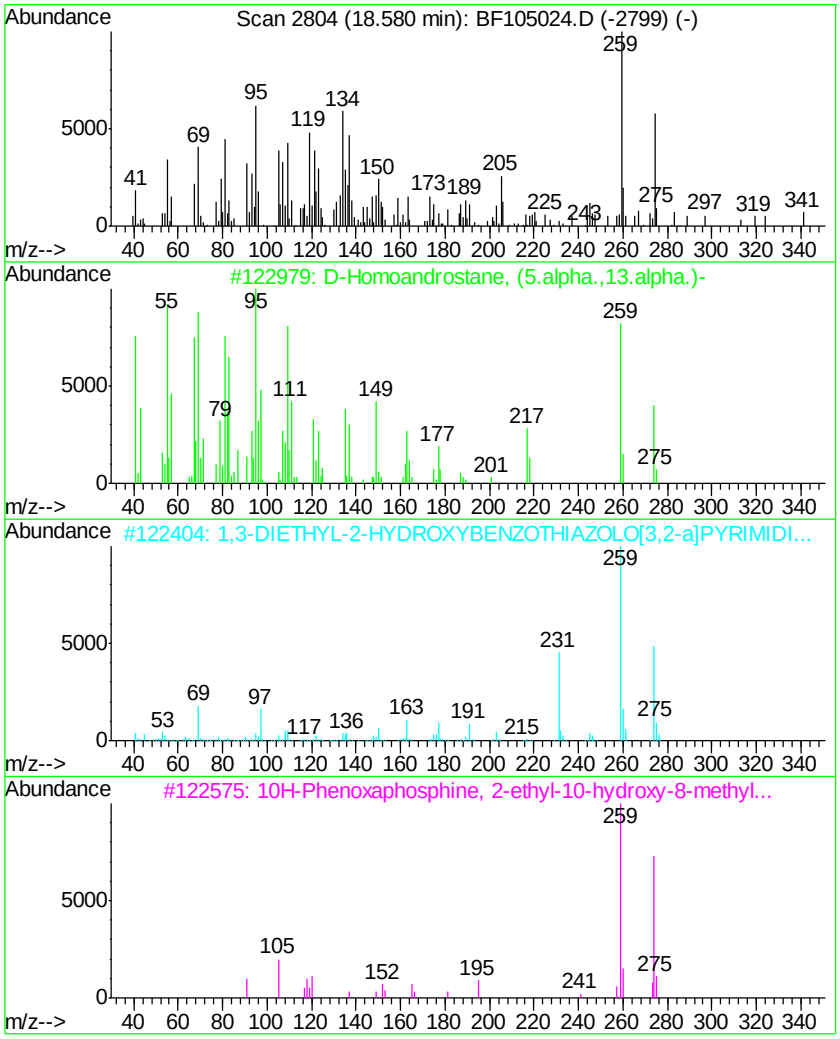
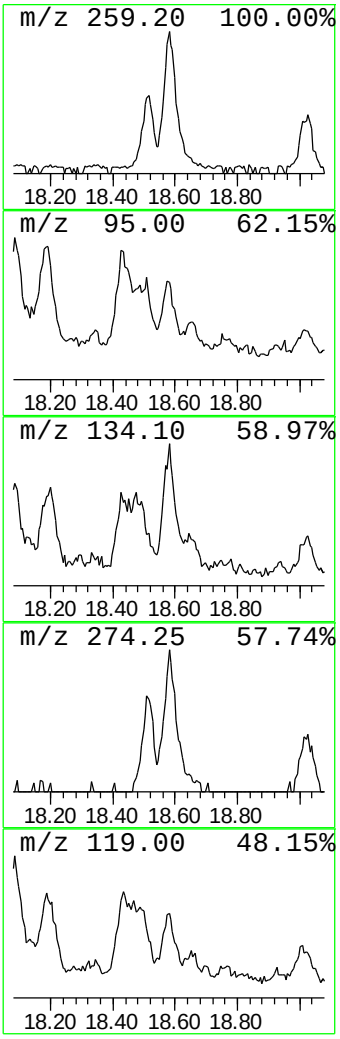
****
Peak Number 18 D-Homoandrostane, (5.alpha.... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	6.53 ng	244850	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Homoandrostane, (5.alpha.,13.a...	274	C20H34	054482-31-4	60
2	1,3-DIETHYL-2-HYDROXYBENZOTHIAZO...	274	C14H14N2O2S	1000227-15-3	38
3	10H-Phenoxaphosphine, 2-ethyl-10...	274	C15H15O3P	036360-91-5	30
4	6-tert-butyl-2,4-dimethylphenol,...	274	C14H17F3O2	1000376-41-4	27
5	Silane, diethyldi(4-methylpent-2...	288	C16H36O2Si	1000363-44-3	27





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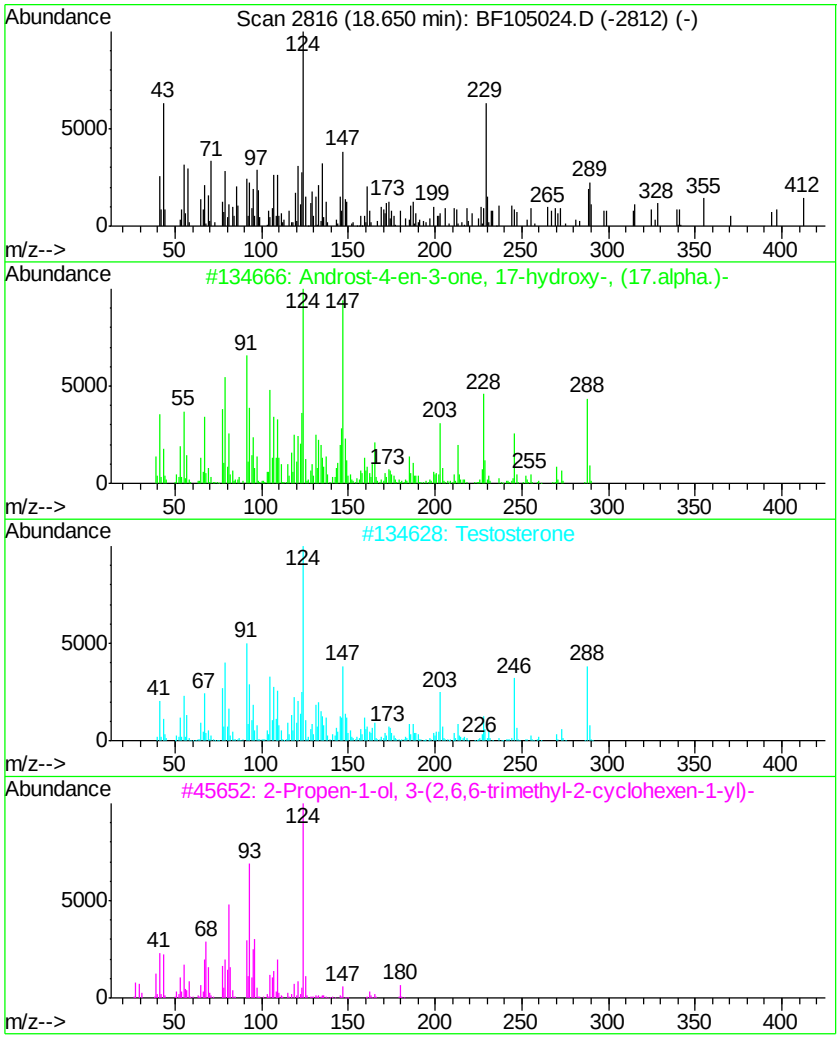
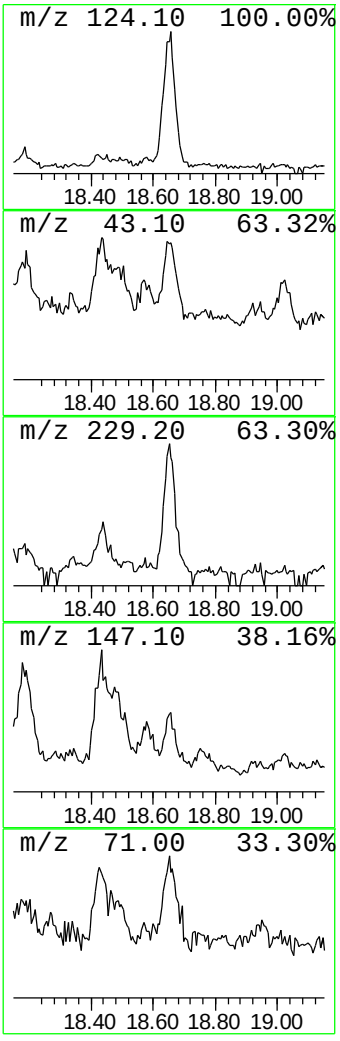
Peak Number 19 Androst-4-en-3-one, 17-hydr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	8.39 ng	314445	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000481-30-1	70
2	Testosterone	288	C19H28O2	000058-22-0	55
3	2-Propen-1-ol, 3-(2,6,6-trimethy...	180	C12H20O	029460-67-1	25
4	1H-Pyrazole-5-carboxamide, 1-eth...	315	C14H13F4N3O	1000351-53-4	25
5	3-(4-Fluoroanilino)-1-(3-nitroph...	288	C15H13FN2O3	350039-84-8	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105024.D
Acq On : 2 May 2018 12:17
Operator : JU/SJ
Sample : J2157-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-043018-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

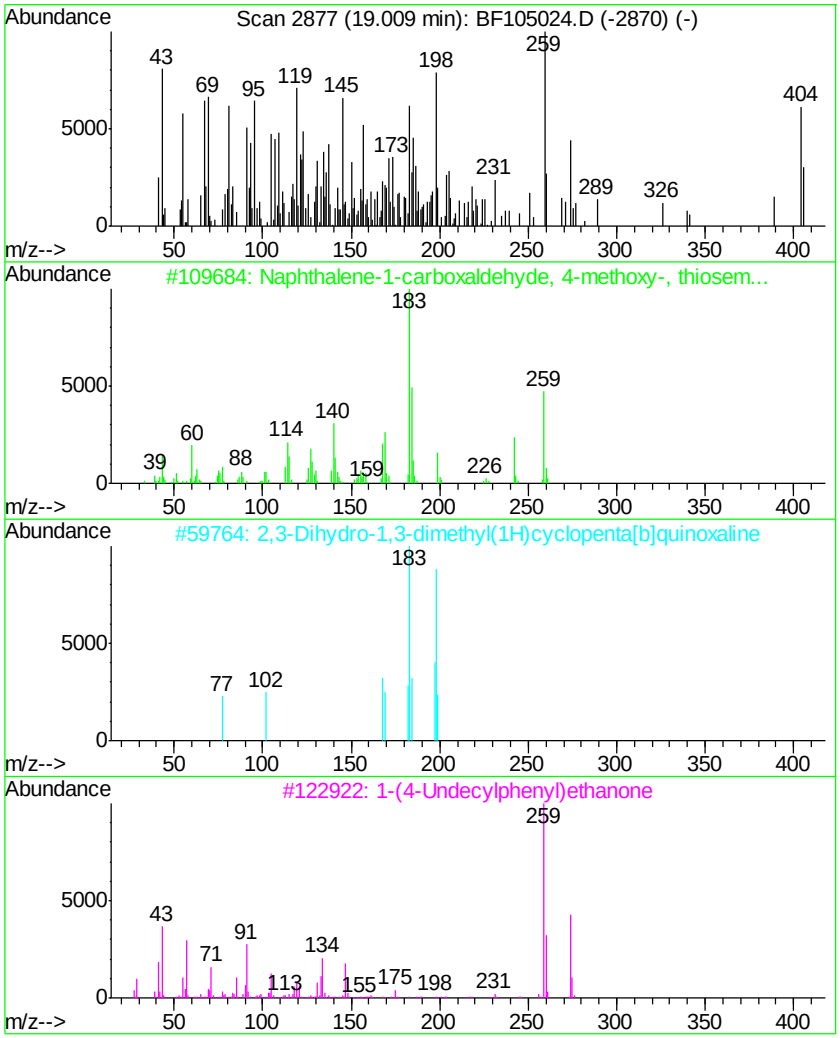
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

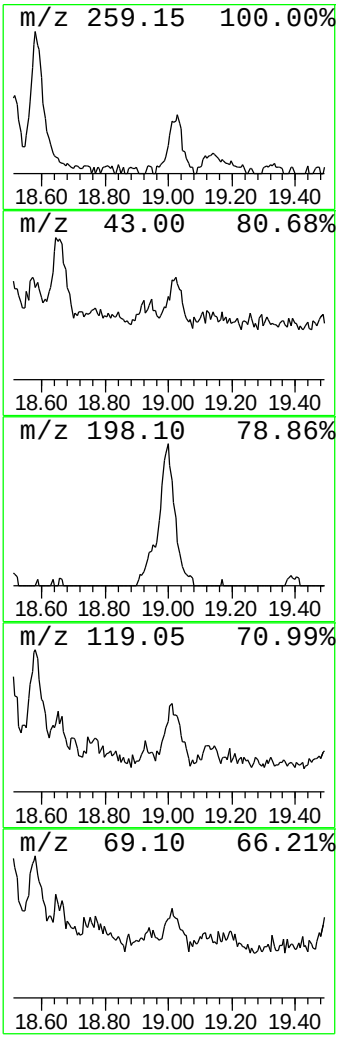
****

Peak Number 20 unknown19.01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	10.98 ng	411395	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene-1-carboxaldehyde, 4-...	259	C13H13N3OS	303058-77-7	30
2	2,3-Dihydro-1,3-dimethyl(1H)cycl...	198	C13H14N2	1000112-95-8	25
3	1-(4-Undecylphenyl)ethanone	274	C19H30O	1000185-92-4	25
4	2-Hydrazino-5,6,7,8-tetrahydro-4...	198	C7H10N4OS	1000285-67-5	25
5	Naphthalene, 2-methyl-1-(3,4-dim...	274	C20H18O	1000269-03-0	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
Data File : BF105024.D
Acq On : 2 May 2018 12:17
Operator : JU/SJ
Sample : J2157-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-043018-E

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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
unknown6.56	6.56	73.8	ng	2079830	1	6.79	563775	20.0
n-Hexadecanoic acid	11.85	3.6	ng	142977	4	11.32	786804	20.0
2-Phenanthrenol, ...	13.34	3.4	ng	129390	5	14.02	769002	20.0
Cycloeicosane	13.84	10.4	ng	400785	5	14.02	769002	20.0
1-Octadecene	14.54	7.4	ng	283222	5	14.02	769002	20.0
2-methyloctacosane	15.23	19.2	ng	720184	6	15.59	749614	20.0
.gamma.-Tocopherol	15.94	3.6	ng	134061	6	15.59	749614	20.0
Heneicosane	16.04	23.6	ng	885314	6	15.59	749614	20.0
Vitamin E	16.32	8.6	ng	321103	6	15.59	749614	20.0
Eicosane	17.14	4.9	ng	183415	6	15.59	749614	20.0
.gamma.-Sitosterol	17.64	14.9	ng	559030	6	15.59	749614	20.0
4,4,6a,6b,8a,11,1...	17.83	9.4	ng	353486	6	15.59	749614	20.0
unknown17.95	17.95	3.6	ng	133940	6	15.59	749614	20.0
.beta.-Amyrin	18.09	17.7	ng	662291	6	15.59	749614	20.0
D:C-Friedoolean-8...	18.19	21.8	ng	818184	6	15.59	749614	20.0
Hop-22(29)-en-3.b...	18.43	19.8	ng	743087	6	15.59	749614	20.0
D-Homoandrostane,...	18.58	6.5	ng	244850	6	15.59	749614	20.0
Androst-4-en-3-on...	18.65	8.4	ng	314445	6	15.59	749614	20.0
unknown19.01	19.01	11.0	ng	411395	6	15.59	749614	20.0