LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111198.D
Acq On : 7 Dec 2018 20:27
Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

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-BF120518.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	3.228	191	194	206	rBV	146846	318183	2.33%	0.217%
2	5.022	490	499	507	rVB	787077	1153306	8.46%	0.785%
3	5.428	561	568	571	rBV	11588232	13639634	100.00%	9.289%
4	6.440	733	740	744	rBV2	10565814	12868796	94.35%	8.764%
5	6.575	758	763	767	rBV	10725060	11790617	86.44%	8.030%
6	6.804	798	802	806	rBV	3111419	2406786	17.65%	1.639%
7	6.963	825	829	832	rBV	11517166	10368422	76.02%	7.061%
8	7.363	892	897	900	rBV	8654934	9669225	70.89%	6.585%
9	8.086	1016	1020	1023	rBV	3849859	3167100	23.22%	2.157%
10	9.163	1198	1203	1207	rBV	12127924	12172971	89.25%	8.290%
11	9.551	1266	1269	1273	rBV	1873439	1599990	11.73%	1.090%
12	9.839	1314	1318	1322	rVB2	4979075	4123102	30.23%	2.808%
13	10.627	1447	1452	1455	rBV	9106890	8965519	65.73%	6.106%
14	11.322	1566	1570	1572	rBV	4070907	3461261	25.38%	2.357%
15	11.339	1572	1573	1577	rVB	303506	238302	1.75%	0.162%
16	11.863	1657	1662	1670	rBV	4654531	5071964	37.19%	3.454%
17	11.957	1675	1678	1680	rVB	224369	196753	1.44%	0.134%
18	12.039	1688	1692	1698	rVB6	127349	220262	1.61%	0.150%
19	12.110	1701	1704	1707	rBV3	256080	263728	1.93%	0.180%
20	12.251	1725	1728	1730	rBV3	153003	163722	1.20%	0.111%
21	12.274	1730	1732	1735	rVB3	420096	346987	2.54%	0.236%
22	12.321	1737	1740	1743	rBV2	185241	188677	1.38%	0.128%
23	12.392	1749	1752	1755	rVB	358554	308988	2.27%	0.210%
24	12.527	1772	1775	1779	rBV	530225	653836	4.79%	0.445%
25	12.563	1779	1781	1788	rVB3	883372	1087962	7.98%	0.741%
26	12.645	1791	1795	1801	rBV	3507545	3595608	26.36%	2.449%
27	12.757	1811	1814	1817	rVB	558986	481914	3.53%	0.328%
28	12.798	1818	1821	1824	rBV3	259660	248958	1.83%	0.170%
29	12.833	1825	1827	1832	rVB	208230	205753	1.51%	0.140%
30	12.910	1832	1840	1843	rBV	9986520	10762615	78.91%	7.330%
31	12.980	1850	1852	1857	rVB6	139224	144380	1.06%	0.098%
32	13.045	1860	1863	1866	rVV	490364	387224	2.84%	0.264%
33	13.116	1873	1875	1877	rBV3	147545	149374	1.10%	0.102%
34	13.145	1877	1880	1882	rVV2	760456	715197	5.24%	0.487%

LSC Area Percent Report

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Data File : BF111198.D
Acq On : 7 Dec 2018 20:27
Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

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-BF120518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.169	1882	1884	1887	rVB	792984	624617	4.58%	0.425%
36	13.327	1909	1911	1914	rVB2	423836	310371	2.28%	0.211%
37	13.380	1916	1920	1922	rVV	695467	672394	4.93%	0.458%
38	13.404	1922	1924	1927	rVV4	232533	251253	1.84%	0.171%
39	13.451	1929	1932	1935	rVV	1772689	1625565	11.92%	1.107%
40	13.492	1937	1939	1941	rVV	333435	309187	2.27%	0.211%
41	13.516	1941	1943	1946	rVB2	349705	306272	2.25%	0.209%
42	13.610	1957	1959	1962	rVB2	190521	155088	1.14%	0.106%
43	13.674	1966	1970	1973	rBV	1789362	1676174	12.29%	1.142%
44	13.768	1981	1986	1992	rBV	5311950	5753350	42.18%	3.918%
45	13.816	1992	1994	1999	rVB	1249307	1237775	9.07%	0.843%
46	13.957	2012	2018	2021	rBV	3760762	5498942	40.32%	3.745%
47	13.980	2021	2022	2024	rVB	399723	203748	1.49%	0.139%
48	14.080	2037	2039	2045	rVB5	173543	211766	1.55%	0.144%
49	14.139	2046	2049	2052	rVB	461844	391925	2.87%	0.267%
50	14.445	2097	2101	2107	rVV3	402820	525365	3.85%	0.358%
51	14.498	2107	2110	2114	rVB5	296061	325129	2.38%	0.221%
52	14.745	2149	2152	2156	rVB	356393	320030	2.35%	0.218%
53	14.974	2187	2191	2195	rBV2	202371	363361	2.66%	0.247%
54	15.074	2205	2208	2211	rBV2	313889	328074	2.41%	0.223%
55	15.268	2238	2241	2246	rVB	132131	165695	1.21%	0.113%
56	15.327	2247	2251	2257	rVV	175053	265595	1.95%	0.181%
57	15.392	2257	2262	2268	rVV	2199191	2686584	19.70%	1.830%
58	15.445	2268	2271	2277	rVB	296123	361672	2.65%	0.246%
59	15.868	2339	2343	2347	rBV	203594	304478	2.23%	0.207%
60	16.274	2408	2412	2415	rBV4	106575	139495	1.02%	0.095%
61	16.362	2424	2427	2436	rVB4	162188	240295	1.76%	0.164%
62	16.939	2521	2525	2534	rVB4	85212	180598	1.32%	0.123%
63	17.409	2601	2605	2615	rVB4	114354	267392	1.96%	0.182%

Sum of corrected areas: 146839306

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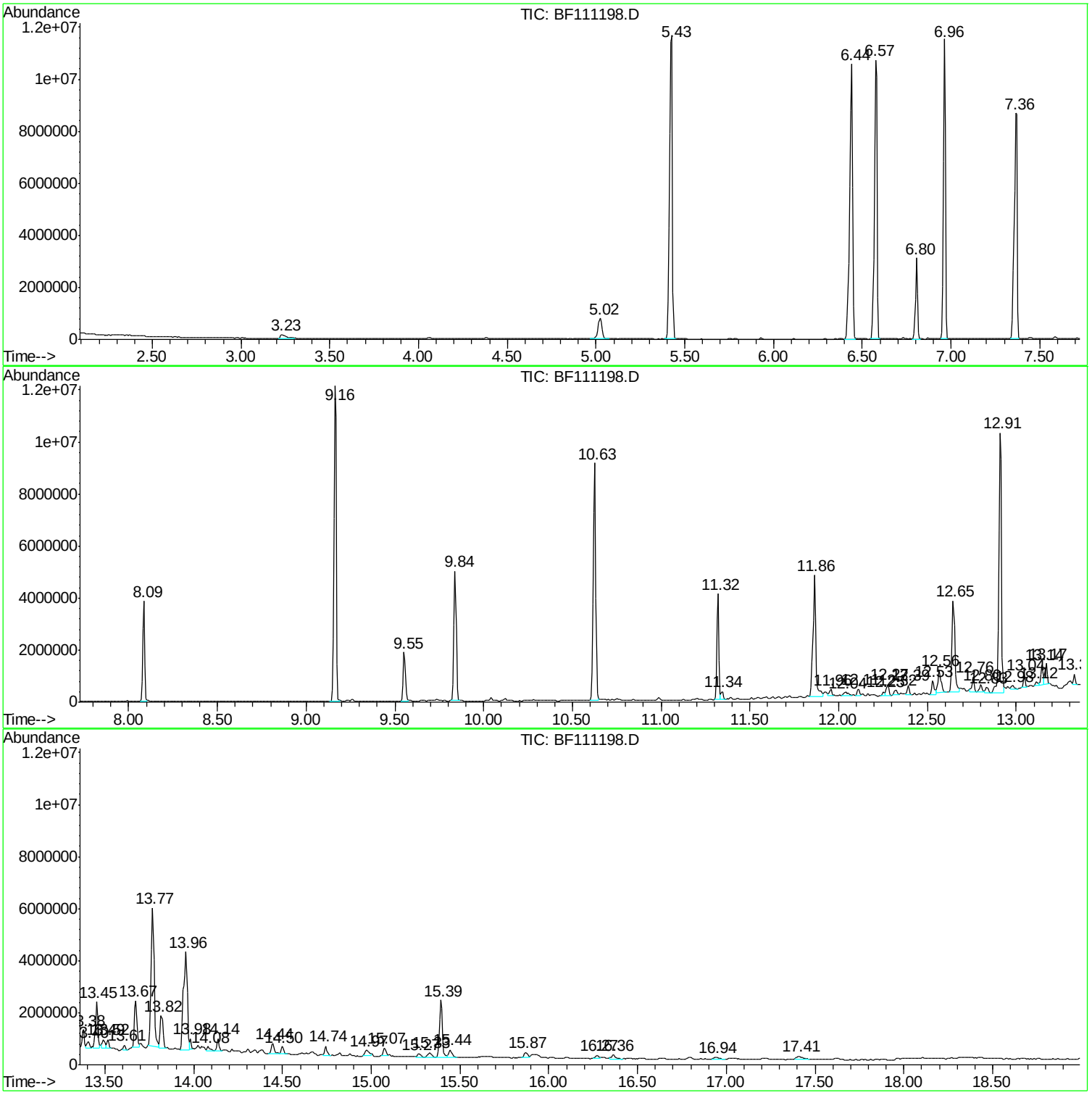
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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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Data File : BF111198.D
Acq On : 7 Dec 2018 20:27
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Sample : J6214-18
Misc :
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Instrument : BNA_F
ClientSampleId : SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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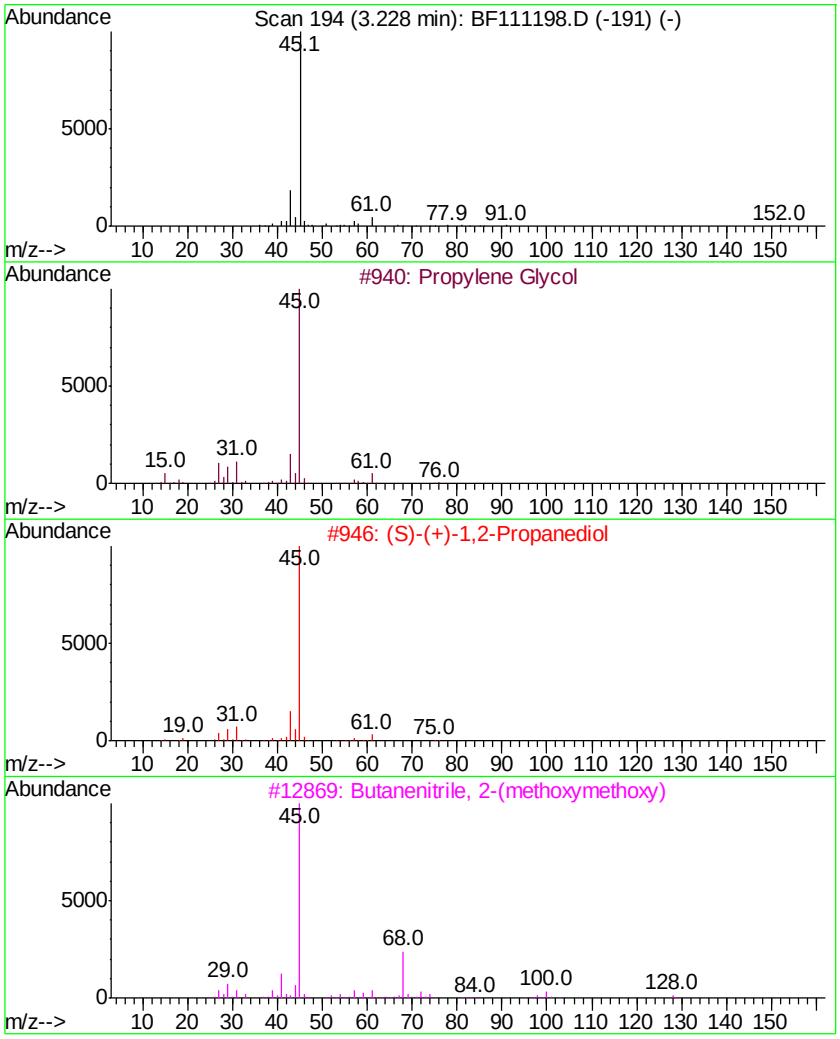
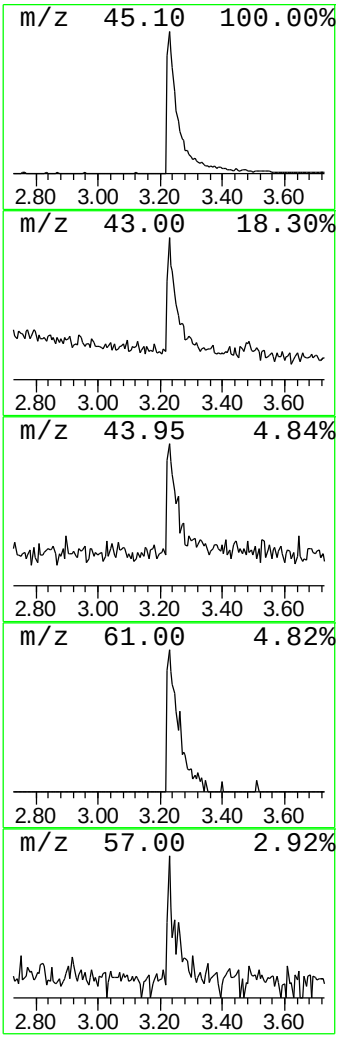
Peak Number 1 unknown3.23 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.23	2.64 ng	318183	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propylene Glycol	76	C3H8O2	000057-55-6	43
2	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	39
3	Butanenitrile, 2-(methoxymethoxy)	129	C6H11NO2	1000196-86-5	9
4	2-Hexanol	102	C6H14O	000626-93-7	9
5	Hydrazine, (2-methoxyethyl)-	90	C3H10N2O	003044-15-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111198.D
Acq On : 7 Dec 2018 20:27
Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

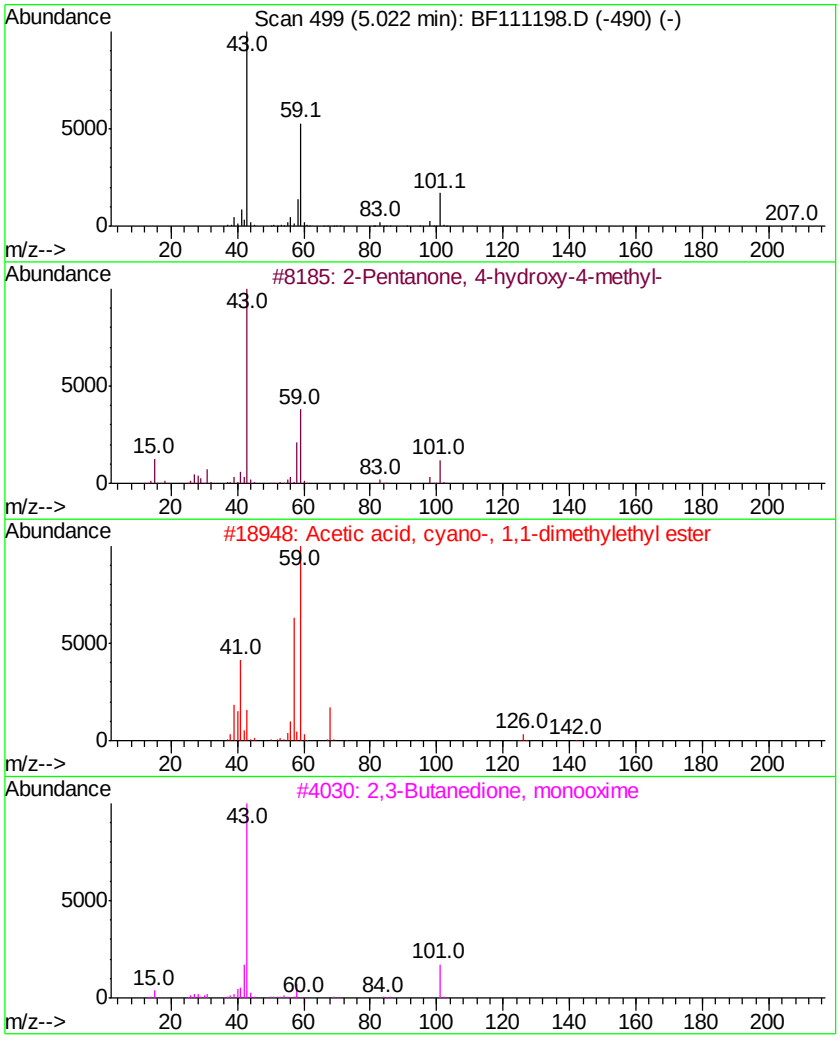
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

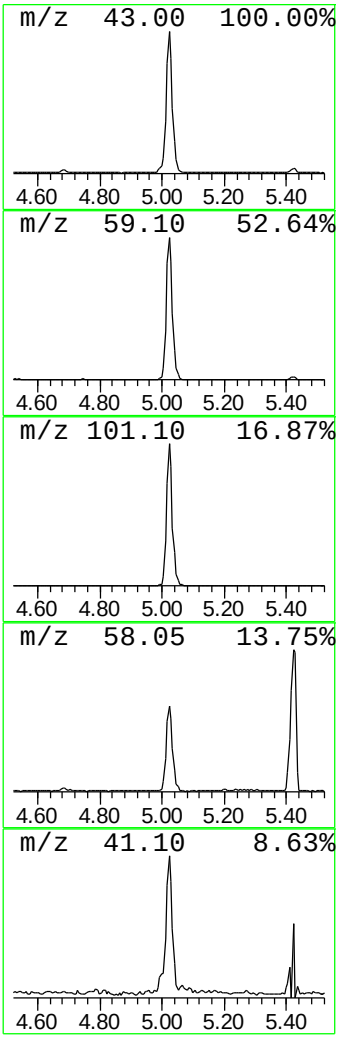
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	9.58 ng	1153310	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9
5	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111198.D
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Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
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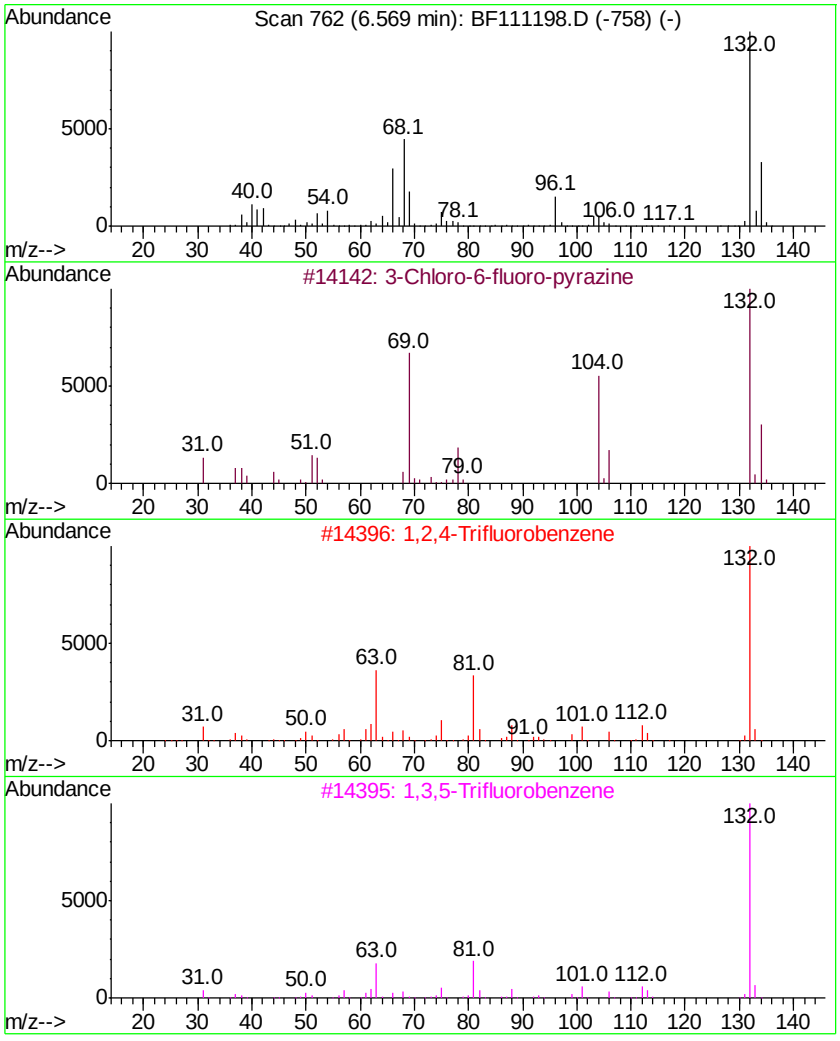
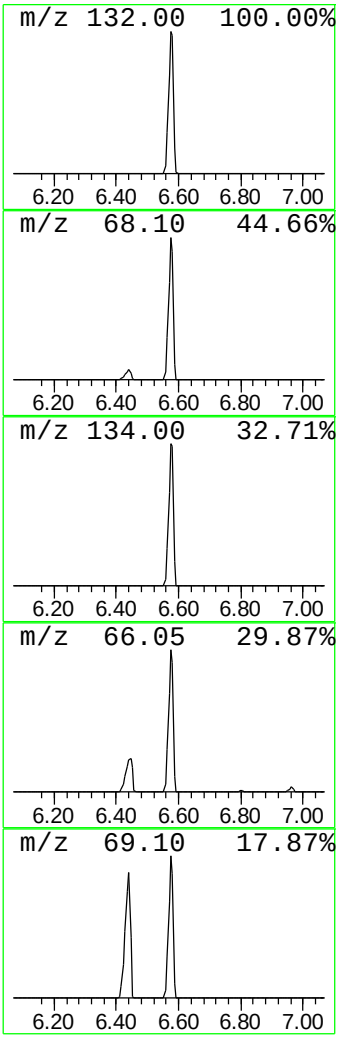
Peak Number 3 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	97.98 ng	11790600	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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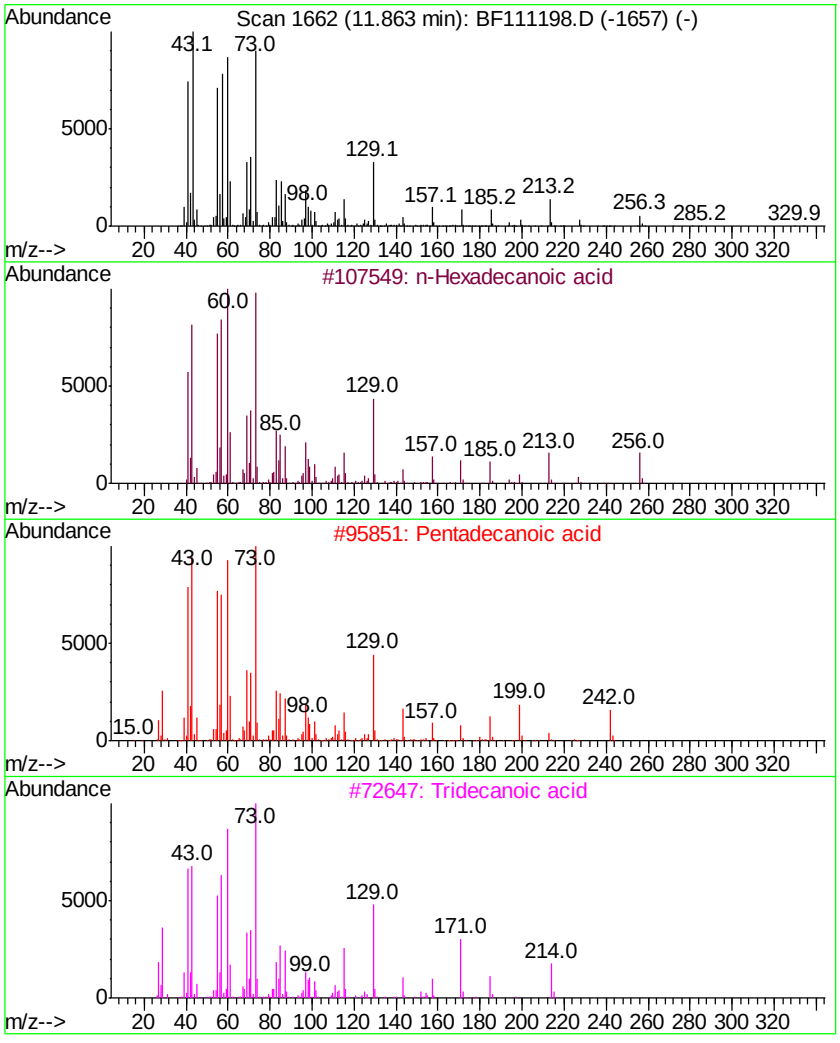
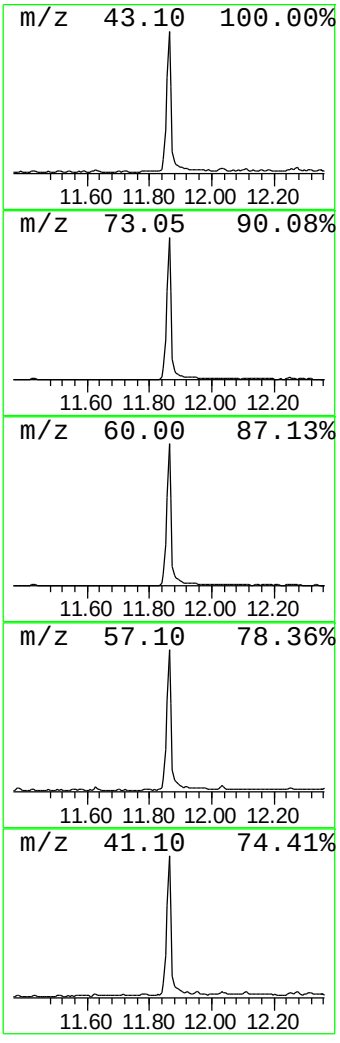
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	29.31 ng	5071960	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	96
3	Tridecanoic acid	214	C13H26O2	000638-53-9	94
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Undecanoic acid	186	C11H22O2	000112-37-8	72





Library Search Compound Report

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Data File : BF111198.D
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

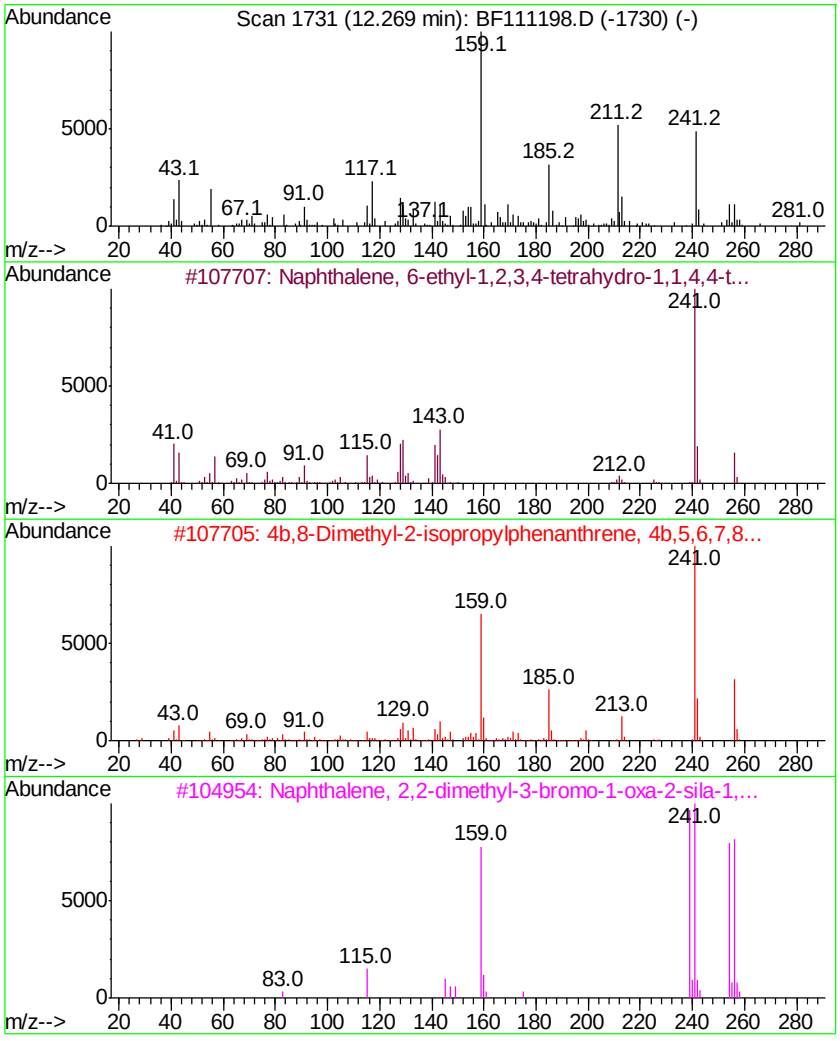
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

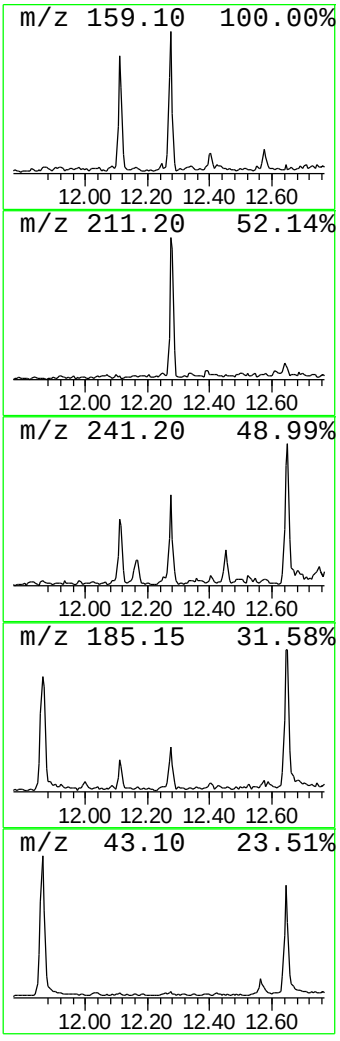
****

Peak Number 6 unknown12.27 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	2.00 ng	346987	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	44
2	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	30
3	Naphthalene, 2,2-dimethyl-3-brom...	254	C10H11BrOSi	080269-48-3	27
4	3-Dimethylaminodiphenylmethane	211	C15H17N	094026-72-9	25
5	10,11-Dihydrodibenz(b,f)(1,4)oxa...	211	C13H9NO2	003158-85-8	22





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Instrument : BNA_F
ClientSampleId : SB-10(13-15)

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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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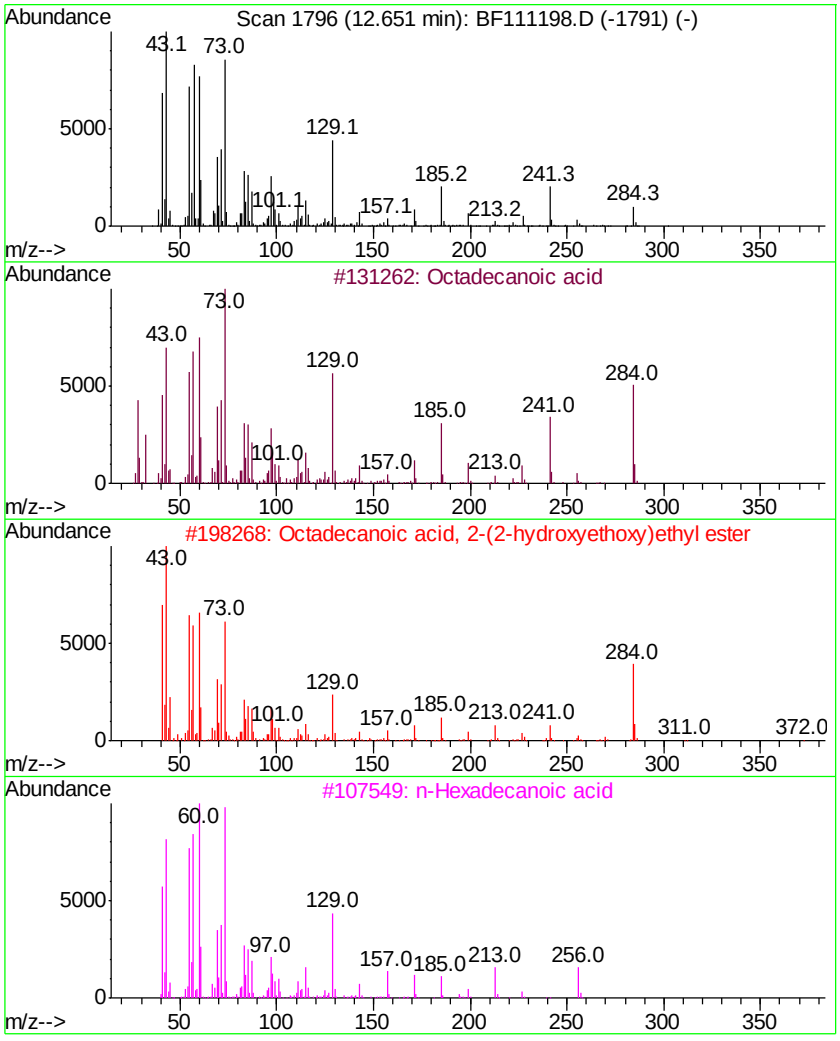
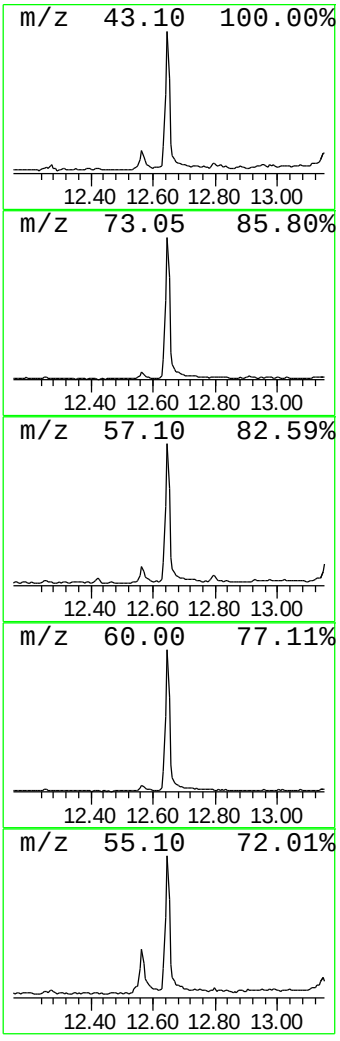
Peak Number 7 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	13.08 ng	3595610	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	91
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111198.D
Acq On : 7 Dec 2018 20:27
Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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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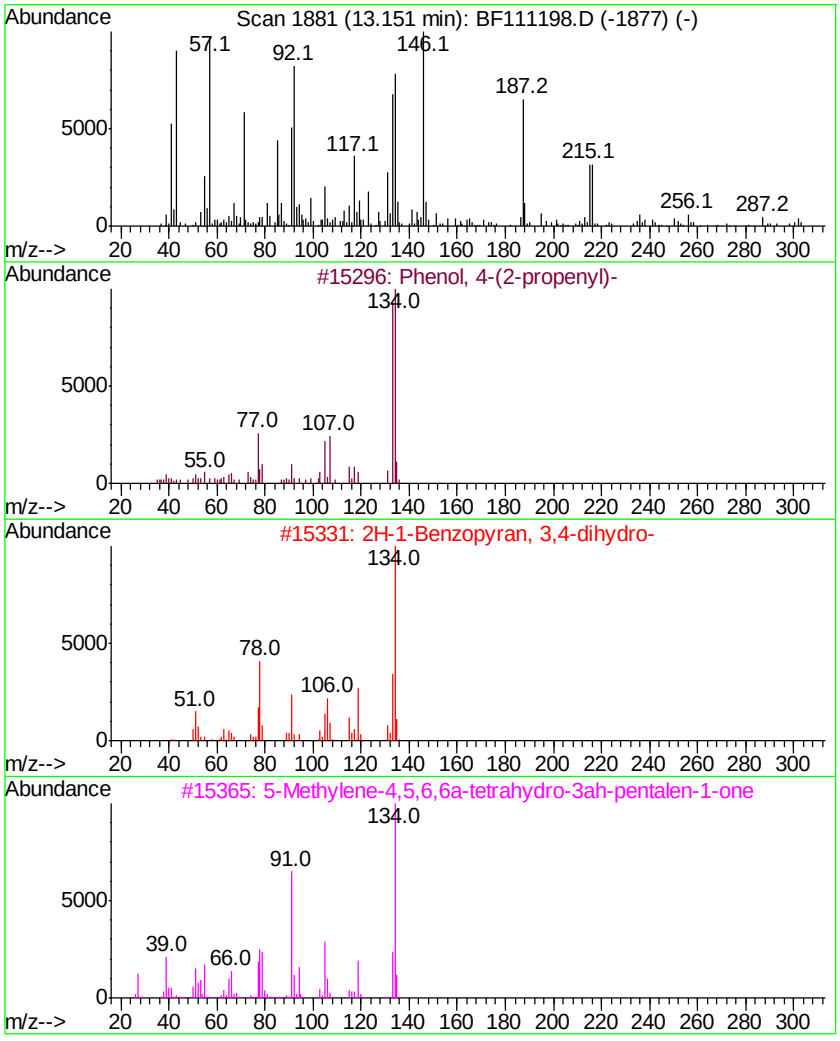
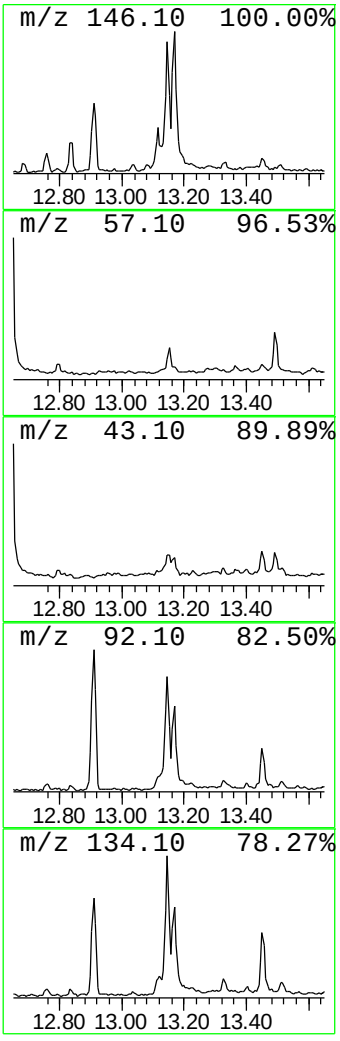
Peak Number 8 unknown13.15 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.60 ng	715197	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-propenyl)-	134	C9H10O	000501-92-8	22
2	2H-1-Benzopyran, 3,4-dihydro-	134	C9H10O	000493-08-3	18
3	5-Methylene-4,5,6,6a-tetrahydro-...	134	C9H10O	1000193-02-7	14
4	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	14
5	1H-Indazole, 5,7-dimethyl-	146	C9H10N2	043067-41-0	14





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111198.D
Acq On : 7 Dec 2018 20:27
Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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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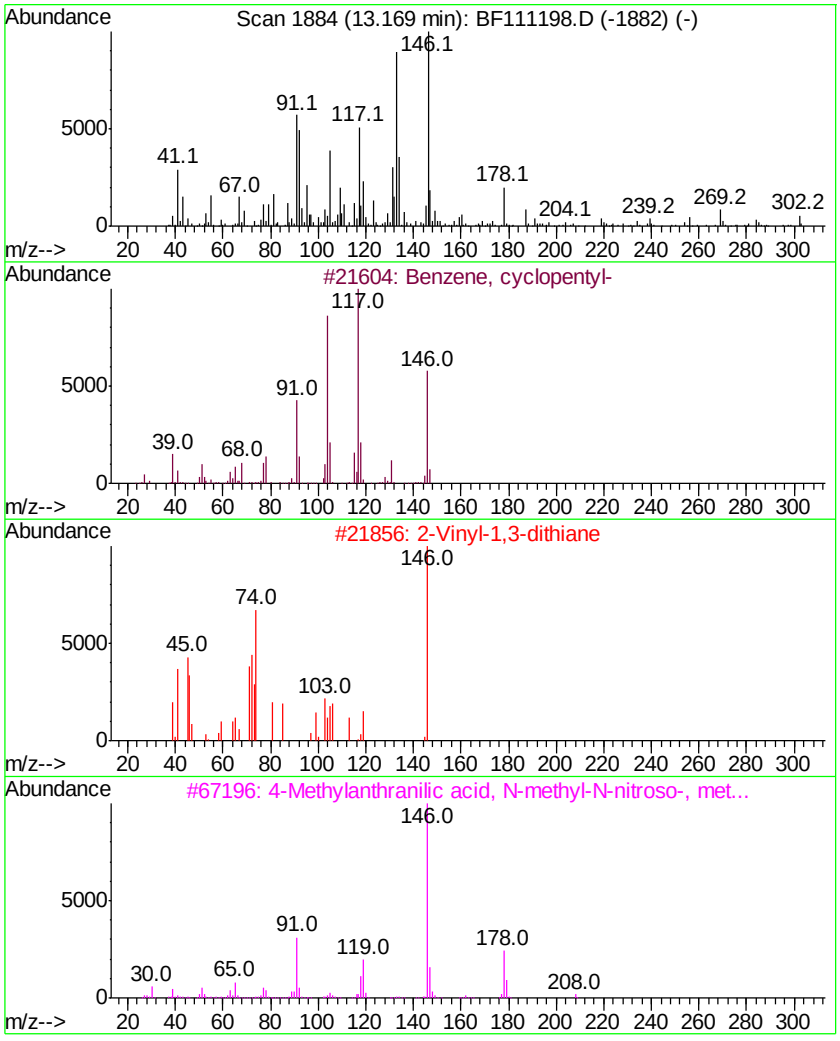
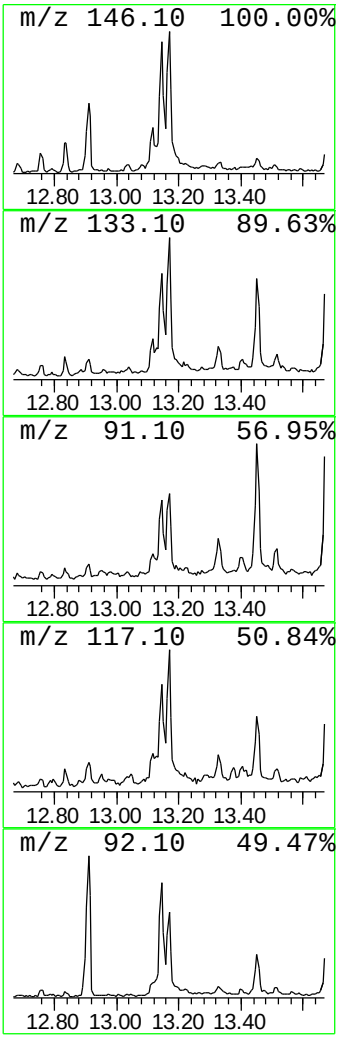
Peak Number 9 unknown13.17 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.27 ng	624617	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopentyl-	146	C11H14	000700-88-9	25
2	2-Vinyl-1,3-dithiane	146	C6H10S2	061685-40-3	25
3	4-Methylanthranilic acid, N-meth...	208	C10H12N2O3	1000195-55-6	22
4	Benzoic acid, 3,4-dimethyl-, eth...	178	C11H14O2	033499-44-4	14
5	Oxalamide, N-(2-hydroxyethyl)-N'...	278	C14H18N2O4	1000304-26-2	14





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Acq On : 7 Dec 2018 20:27
Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

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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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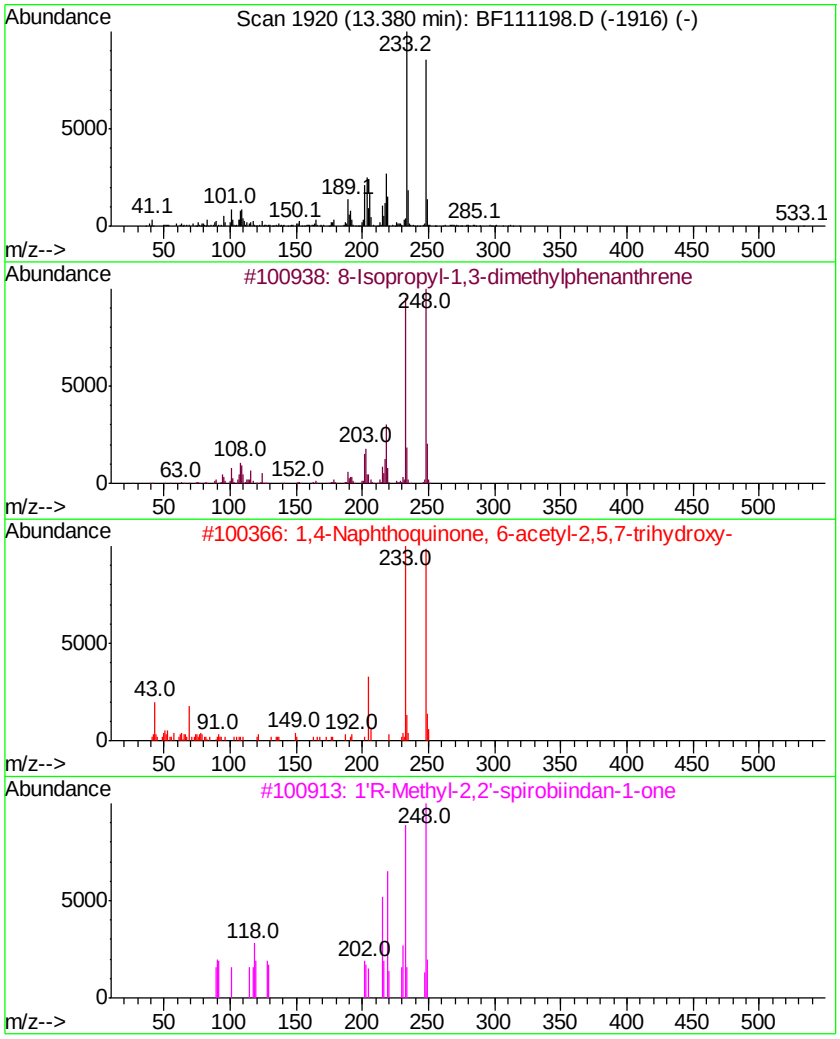
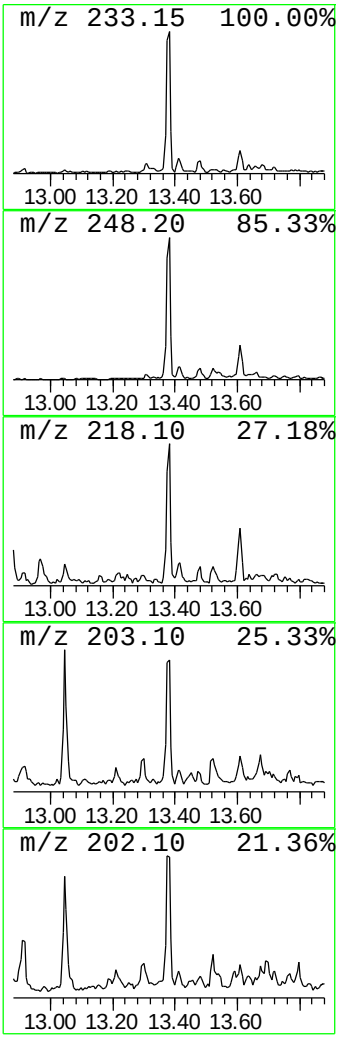
Peak Number 10 8-Isopropyl-1,3-dimethylphe... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.45 ng	672394	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Isopropyl-1,3-dimethylphenanth...	248	C19H20	135886-06-5	70
2	1,4-Naphthoquinone, 6-acetyl-2,5...	248	C12H8O6	013378-89-7	62
3	1'R-Methyl-2,2'-spirobiindan-1-one	248	C18H16O	082309-97-5	59
4	2,4,6-Triisopropylbenzoic acid	248	C16H24O2	049623-71-4	53
5	2(1H)-Pyrimidinethione, 3,4-dihy...	248	C13H16N2OS	063704-47-2	53





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Data File : BF111198.D
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Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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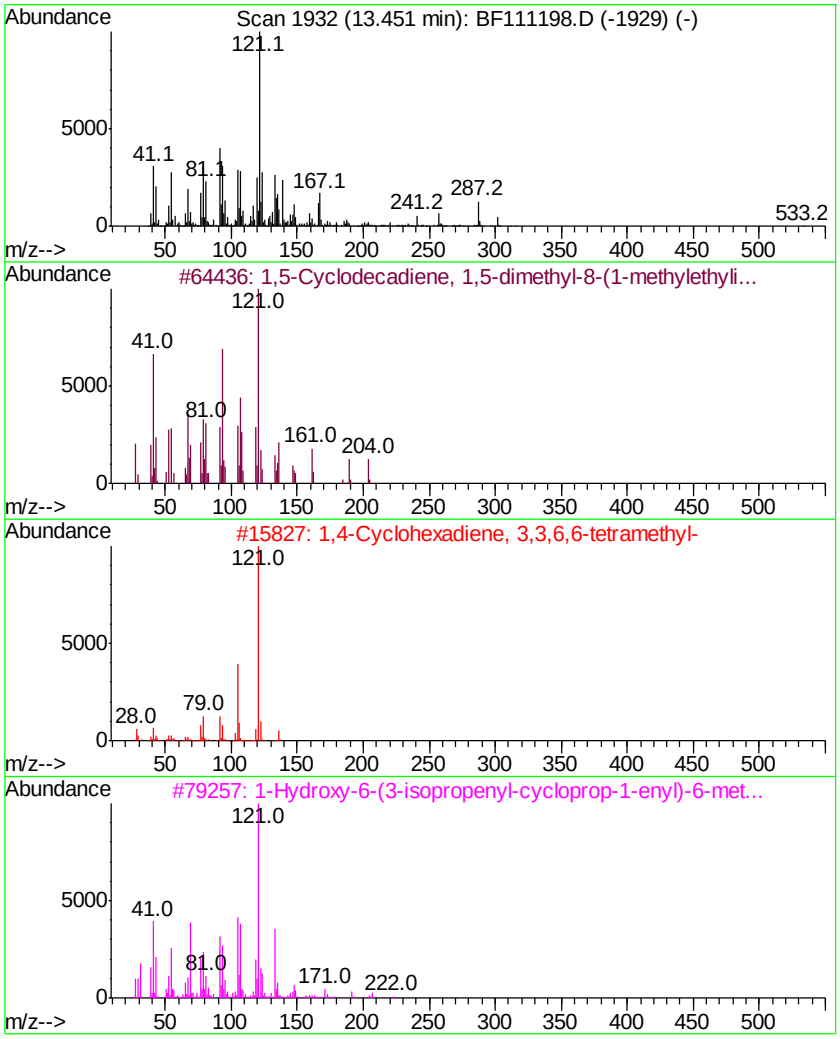
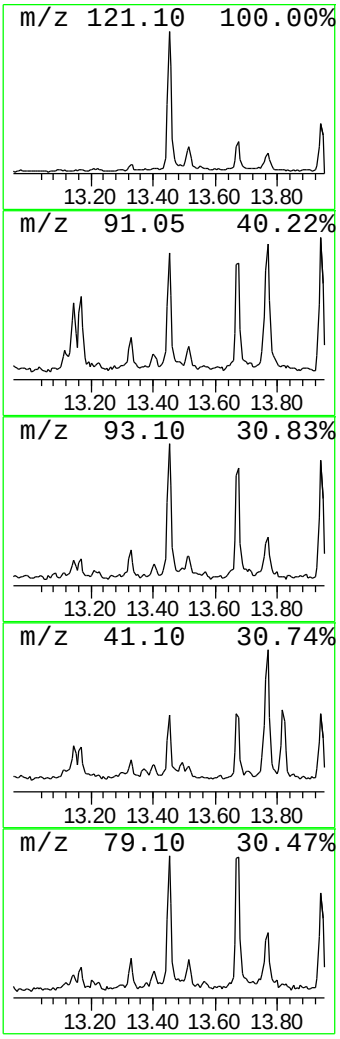
Peak Number 11 unknown13.45 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	5.91 ng	1625570	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Cyclodecadiene, 1,5-dimethyl...	204	C15H24	015423-57-1	47
2	1,4-Cyclohexadiene, 3,3,6,6-tetr...	136	C10H16	002223-54-3	42
3	1-Hydroxy-6-(3-isopropenyl-cyclo...	222	C14H22O2	1000189-14-9	40
4	1,4-Benzenedimethanol, .alpha.-m...	152	C9H12O2	080463-22-5	35
5	Ethyl 3-hydroxybenzoate	166	C9H10O3	007781-98-8	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111198.D
Acq On : 7 Dec 2018 20:27
Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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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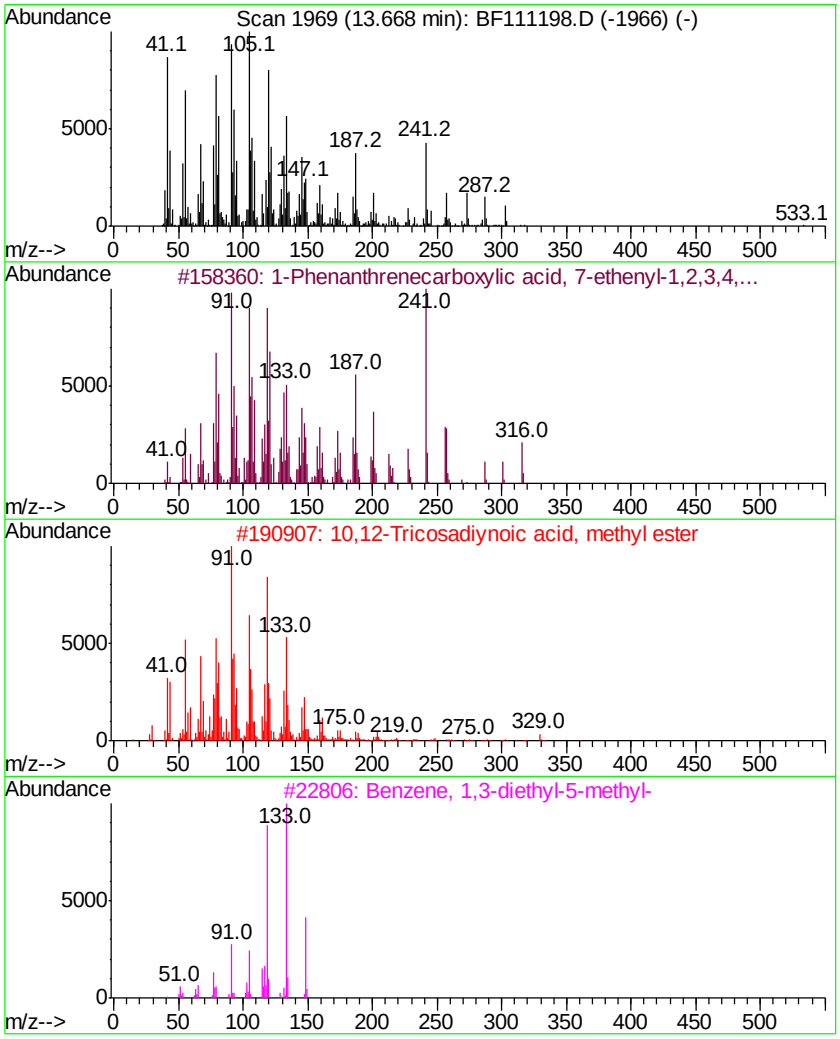
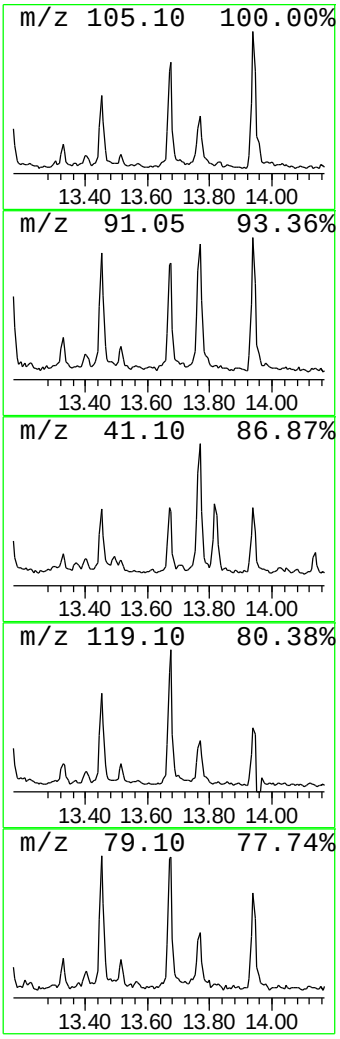
Peak Number 12 1-Phenanthrenecarboxylic ac... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	6.10 ng	1676170	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 7...	316	C21H32O2	001686-62-0	72
2	10,12-Tricosadiynoic acid, methy...	360	C24H40O2	1000333-59-4	41
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	18
4	Benzamide, N-(4-methoxyphenyl)-4...	241	C15H15NO2	1000306-95-9	14
5	1,3,6,10-Dodecatetraene, 3,7,11-...	204	C15H24	026560-14-5	14





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Acq On : 7 Dec 2018 20:27
Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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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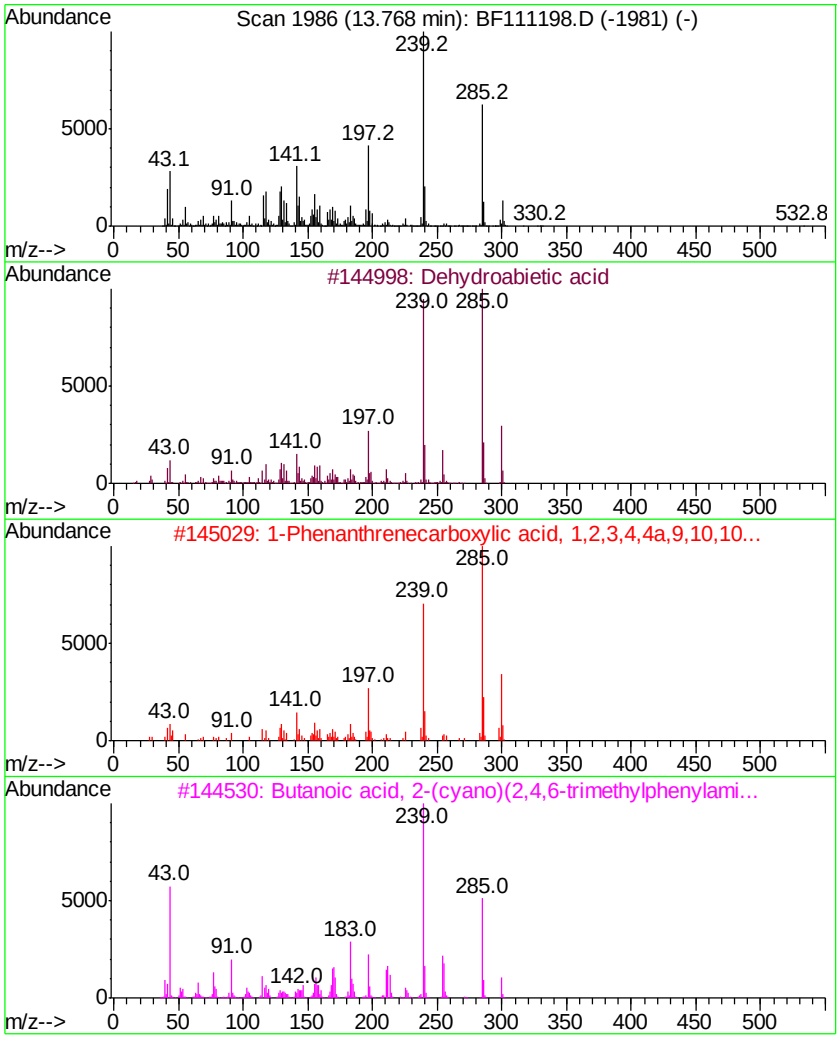
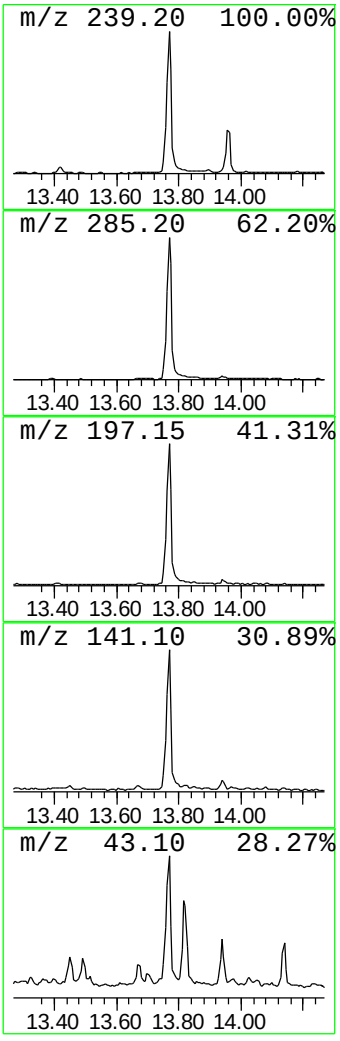
Peak Number 13 Dehydroabietic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	20.93 ng	5753350	Chrysene-d12	13.96

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	90
3	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	62
4	2-Ethylidene-hydrazono-3-methyl-...	239	C10H10ClN3S	1000148-08-4	45
5	2-Phenyl-4-(propen-1-yl)-pyrimid...	239	C14H13N3O	1000287-21-7	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111198.D
Acq On : 7 Dec 2018 20:27
Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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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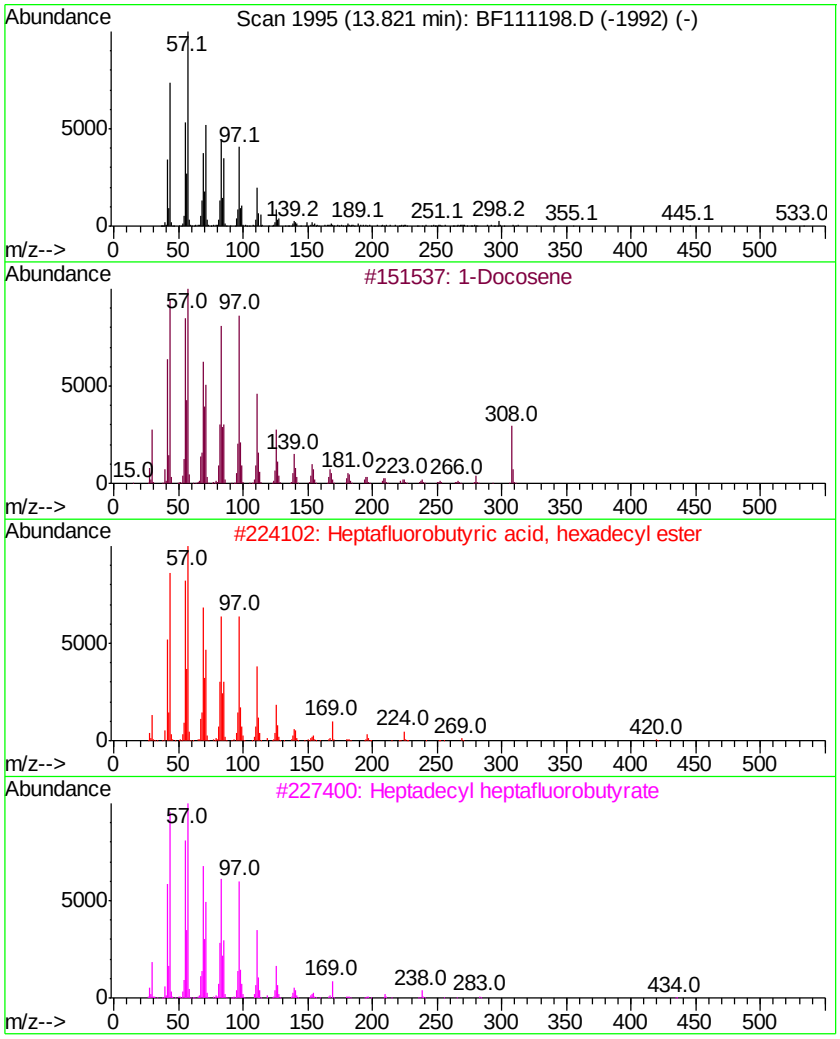
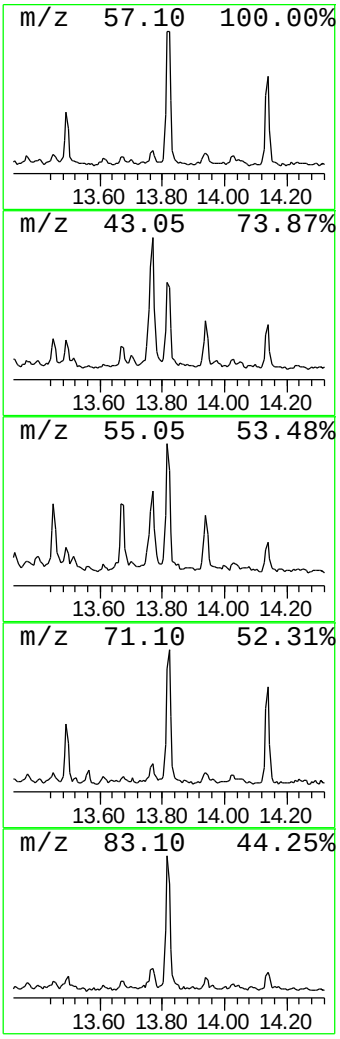
Peak Number 14 1-Docosene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	4.50 ng	1237780	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	98
2	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
4	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	91
5	Cyclooctacosane	392	C28H56	000297-24-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
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Acq On : 7 Dec 2018 20:27
Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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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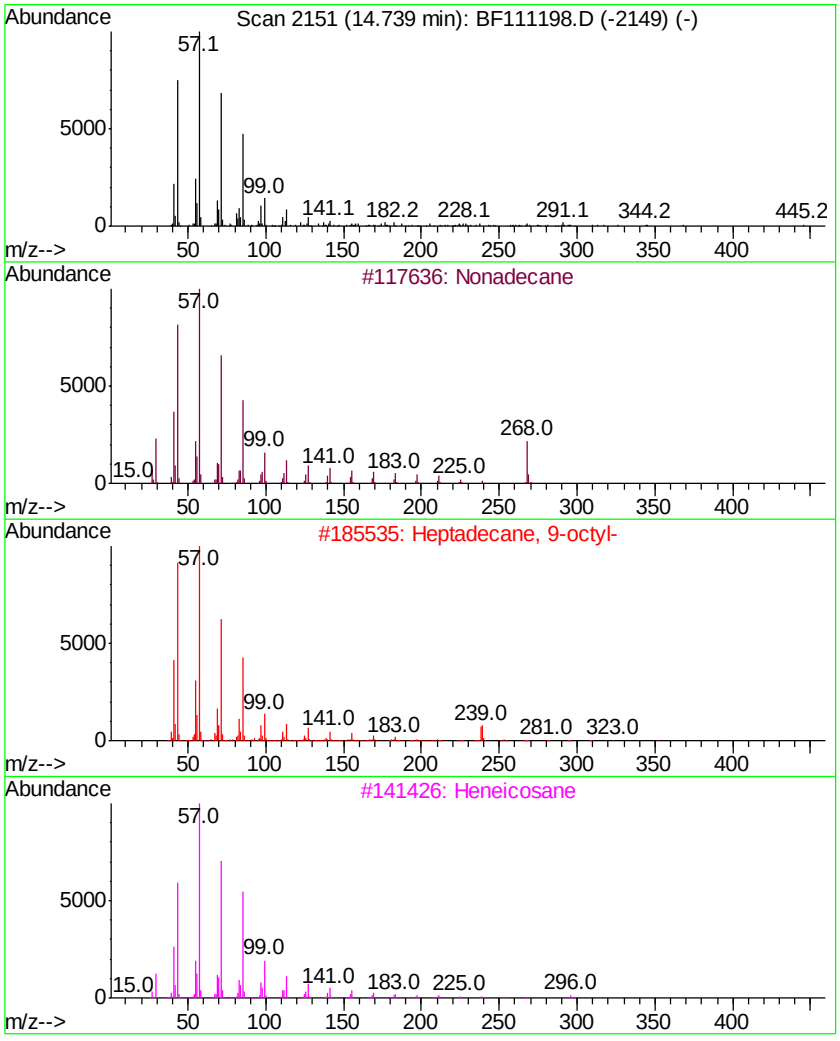
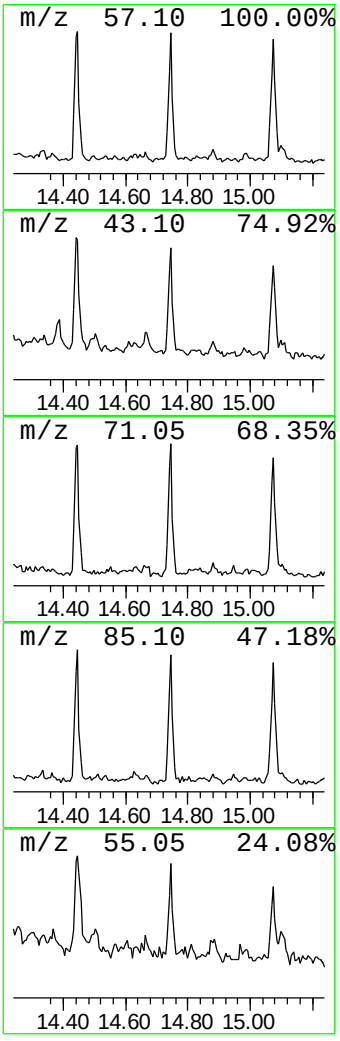
Peak Number 15 Nonadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	2.38 ng	320030	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
3	Heneicosane	296	C21H44	000629-94-7	87
4	Eicosane	282	C20H42	000112-95-8	86
5	Tetracosane	338	C24H50	000646-31-1	83





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Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

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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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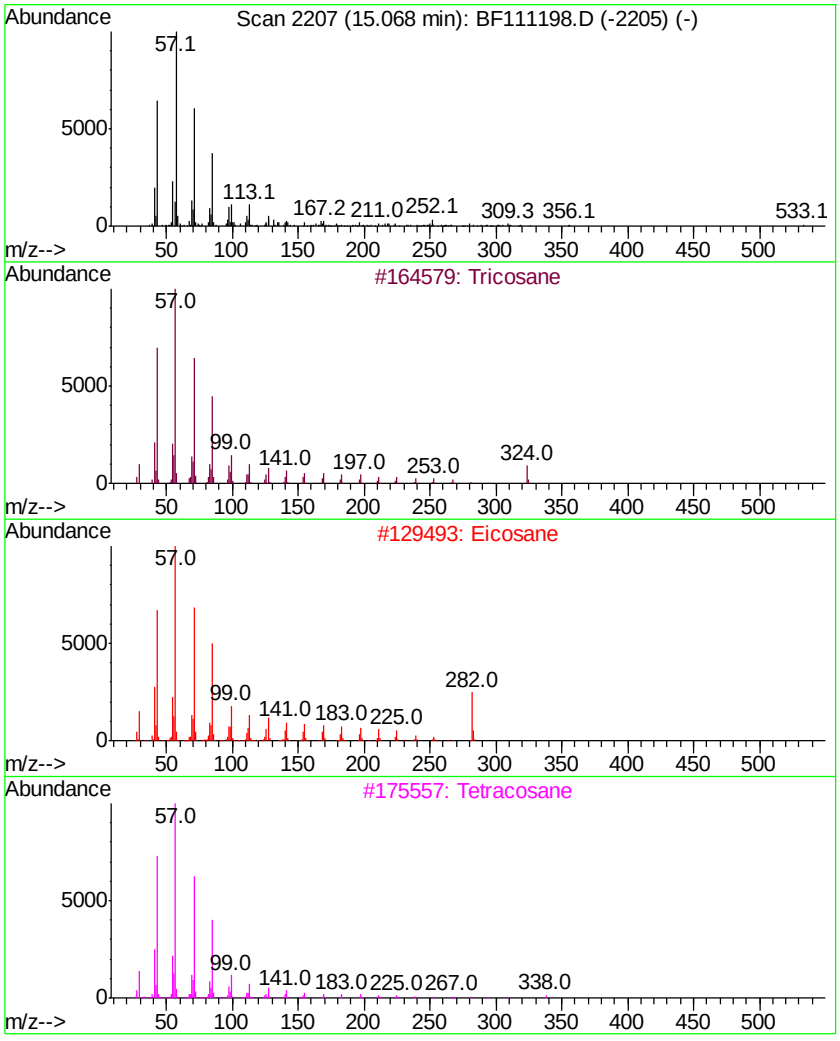
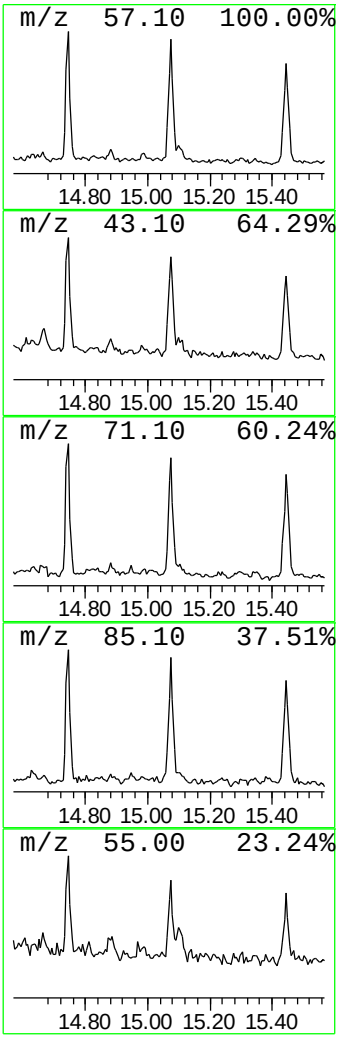
Peak Number 16 Tricosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	2.44 ng	328074	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	91
2	Eicosane	282	C20H42	000112-95-8	87
3	Tetracosane	338	C24H50	000646-31-1	87
4	Heptadecane	240	C17H36	000629-78-7	83
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	83





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Acq On : 7 Dec 2018 20:27
Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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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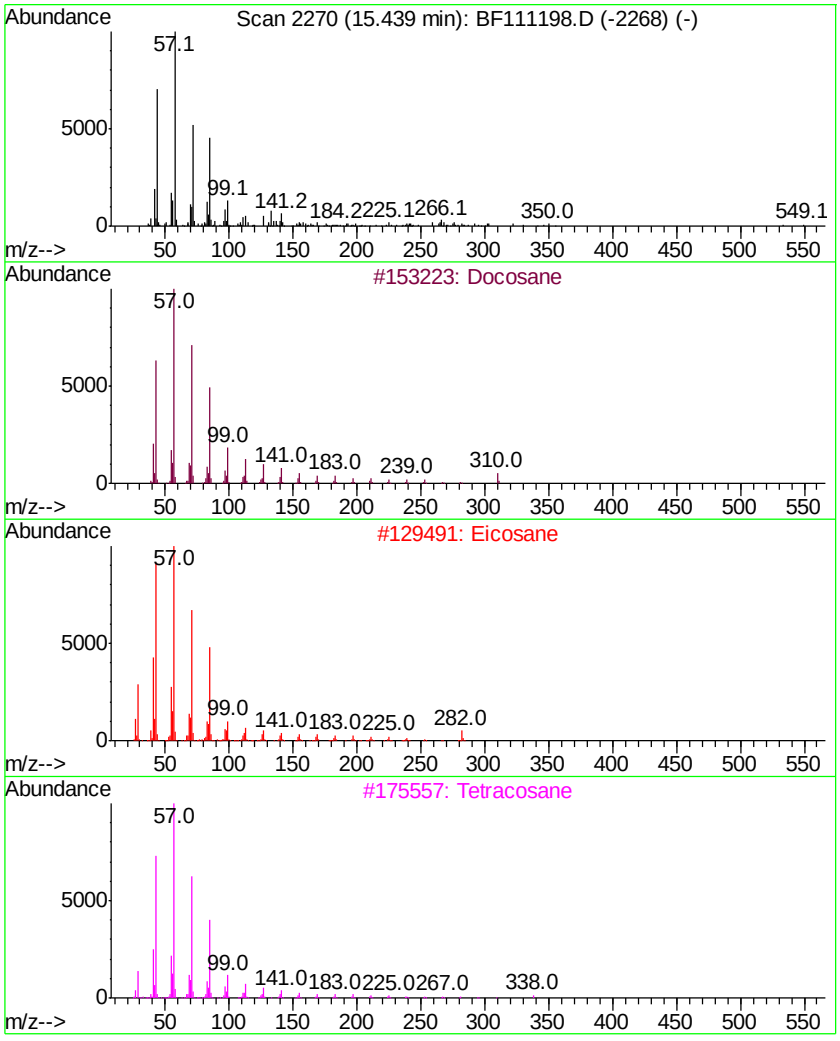
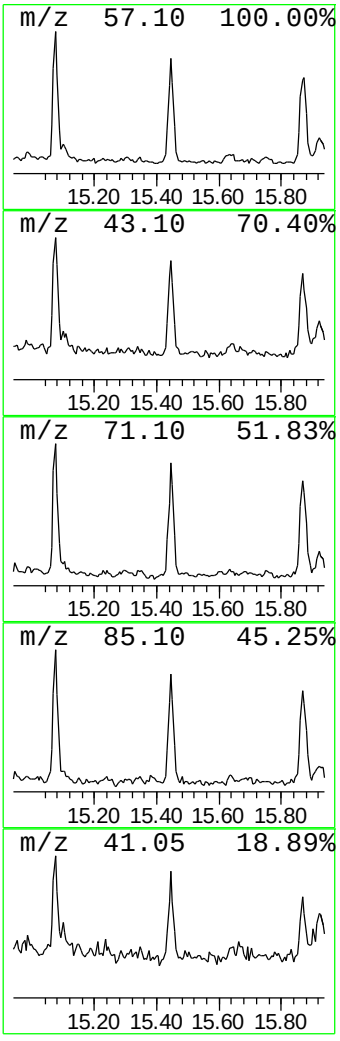
Peak Number 17 Docosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	2.69 ng	361672	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	90
2	Eicosane	282	C20H42	000112-95-8	90
3	Tetracosane	338	C24H50	000646-31-1	83
4	Octacosane	394	C28H58	000630-02-4	83
5	Hexacosane	366	C26H54	000630-01-3	83





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Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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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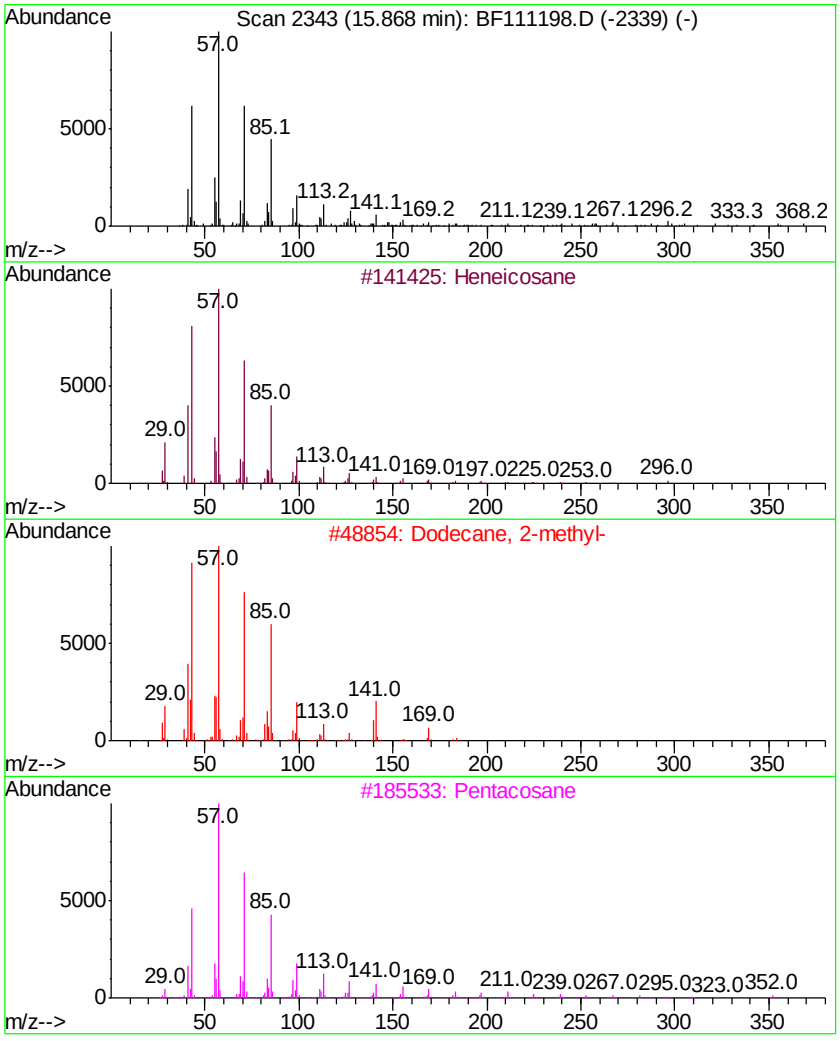
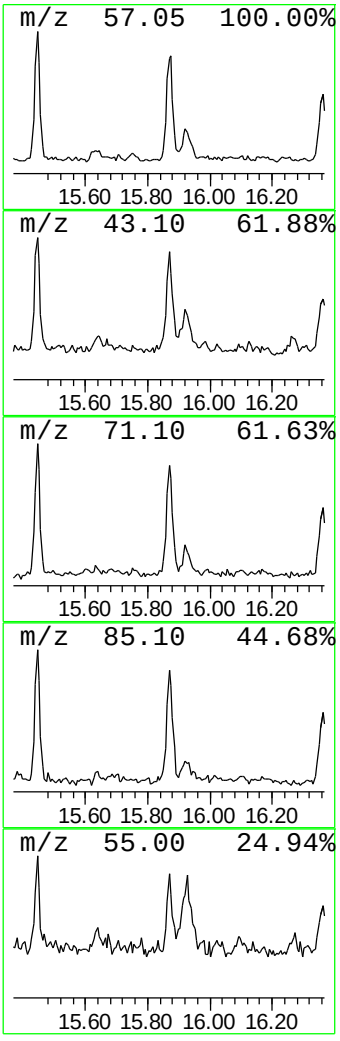
Peak Number 18 Heneicosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	2.27 ng	304478	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	87
3	Pentacosane	352	C25H52	000629-99-2	86
4	2-Bromotetradecane	276	C14H29Br	074036-95-6	86
5	Heptacosane	380	C27H56	000593-49-7	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120718\
Data File : BF111198.D
Acq On : 7 Dec 2018 20:27
Operator : JU/SJ
Sample : J6214-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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
unknown3.23	3.23	2.6	ng	318183	1	6.80	2406790	20.0
2-Pentanone, 4-hy...	5.02	9.6	ng	1153310	1	6.80	2406790	20.0
unknown6.57	6.57	98.0	ng	11790600	1	6.80	2406790	20.0
n-Hexadecanoic acid	11.86	29.3	ng	5071960	4	11.32	3461260	20.0
unknown12.27	12.27	2.0	ng	346987	4	11.32	3461260	20.0
Octadecanoic acid	12.65	13.1	ng	3595610	5	13.96	5498940	20.0
unknown13.15	13.15	2.6	ng	715197	5	13.96	5498940	20.0
unknown13.17	13.17	2.3	ng	624617	5	13.96	5498940	20.0
8-Isopropyl-1,3-d...	13.38	2.5	ng	672394	5	13.96	5498940	20.0
unknown13.45	13.45	5.9	ng	1625570	5	13.96	5498940	20.0
1-Phenanthrenecar...	13.67	6.1	ng	1676170	5	13.96	5498940	20.0
Dehydroabietic acid	13.77	20.9	ng	5753350	5	13.96	5498940	20.0
1-Docosene	13.82	4.5	ng	1237780	5	13.96	5498940	20.0
Nonadecane	14.74	2.4	ng	320030	6	15.39	2686580	20.0
Tricosane	15.07	2.4	ng	328074	6	15.39	2686580	20.0
Docosane	15.44	2.7	ng	361672	6	15.39	2686580	20.0
Heneicosane	15.87	2.3	ng	304478	6	15.39	2686580	20.0