LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
Data File : BF108652.D
Acq On : 30 Aug 2018 20:45
Operator : JU/SJ
Sample : J4282-17 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-082918-B

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-BF083018.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	6.696	733	741	744	rBV5	18122	48611	5.42%	0.492%
2	6.795	753	758	765	rBV2	35595	89827	10.02%	0.910%
3	7.001	790	793	816	rBV	163962	381759	42.58%	3.865%
4	7.154	816	819	837	rVB	65442	143258	15.98%	1.451%
5	7.595	888	894	897	rBV3	20032	49169	5.48%	0.498%
6	8.284	1007	1011	1047	rBV	306358	580026	64.69%	5.873%
7	9.354	1190	1193	1207	rBV	145979	228919	25.53%	2.318%
8	9.942	1290	1293	1298	rVB	11763	10866	1.21%	0.110%
9	10.042	1306	1310	1330	rBV	511090	635756	70.91%	6.437%
10	10.442	1376	1378	1381	rBV	17704	14373	1.60%	0.146%
11	10.660	1412	1415	1422	rVB4	10612	14057	1.57%	0.142%
12	10.842	1442	1446	1456	rBV	66931	119103	13.28%	1.206%
13	10.919	1456	1459	1464	rVB2	21646	27299	3.04%	0.276%
14	11.366	1532	1535	1538	rBV2	20772	16310	1.82%	0.165%
15	11.536	1561	1564	1567	rBV	459570	527680	58.85%	5.343%
16	11.619	1575	1578	1586	rVB	27081	43241	4.82%	0.438%
17	11.795	1603	1608	1611	rBV3	22851	25460	2.84%	0.258%
18	11.872	1617	1621	1623	rBV	19884	23318	2.60%	0.236%
19	11.895	1623	1625	1631	rVB	162777	170308	18.99%	1.724%
20	12.042	1646	1650	1653	rBV	27440	38122	4.25%	0.386%
21	12.072	1653	1655	1661	rVV2	41137	52185	5.82%	0.528%
22	12.154	1665	1669	1672	rVV2	39539	56552	6.31%	0.573%
23	12.201	1675	1677	1679	rVB	14635	11519	1.28%	0.117%
24	12.336	1697	1700	1703	rBV	13576	16186	1.81%	0.164%
25	12.372	1704	1706	1711	rVB4	12808	16174	1.80%	0.164%
26	12.477	1720	1724	1728	rBV4	8896	12776	1.42%	0.129%
27	12.589	1739	1743	1745	rBV	880070	855070	95.37%	8.658%
28	12.607	1745	1746	1755	rVV2	617749	542556	60.51%	5.493%
29	12.689	1755	1760	1767	rVB2	112543	128328	14.31%	1.299%
30	12.760	1768	1772	1781	rBV	303852	391940	43.71%	3.968%
31	12.913	1795	1798	1799	rBV2	12356	11243	1.25%	0.114%
32	12.930	1799	1801	1804	rVB3	17936	16490	1.84%	0.167%
33	12.989	1808	1811	1817	rVV	318758	384286	42.86%	3.891%
34	13.036	1817	1819	1823	rVB2	25402	29827	3.33%	0.302%

LSC Area Percent Report

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Acq On : 30 Aug 2018 20:45
Operator : JU/SJ
Sample : J4282-17 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-082918-B

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-BF083018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.119	1829	1833	1843	rVB	266993	288215	32.15%	2.918%
36	13.207	1843	1848	1853	rBV3	32244	65586	7.31%	0.664%
37	13.260	1853	1857	1859	rBV4	24073	27714	3.09%	0.281%
38	13.319	1859	1867	1870	rBV	52948	86005	9.59%	0.871%
39	13.383	1875	1878	1881	rBV2	28797	27024	3.01%	0.274%
40	13.419	1881	1884	1888	rBV3	44082	57521	6.42%	0.582%
41	13.513	1897	1900	1903	rBV	31555	35274	3.93%	0.357%
42	13.548	1903	1906	1915	rVB3	29523	47418	5.29%	0.480%
43	13.613	1915	1917	1923	rBV7	10241	13548	1.51%	0.137%
44	13.666	1923	1926	1927	rBV3	11422	10577	1.18%	0.107%
45	13.830	1951	1954	1961	rVB	31982	41542	4.63%	0.421%
46	13.942	1967	1973	1975	rBV	70168	91972	10.26%	0.931%
47	13.966	1975	1977	1979	rVV	43693	45205	5.04%	0.458%
48	13.995	1979	1982	1985	rVV3	40662	65545	7.31%	0.664%
49	14.042	1987	1990	1996	rVB2	37481	63968	7.13%	0.648%
50	14.189	2010	2015	2018	rBV2	684836	896600	100.00%	9.078%
51	14.219	2018	2020	2027	rVV	220012	242016	26.99%	2.450%
52	14.301	2031	2034	2039	rVV3	34173	52783	5.89%	0.534%
53	14.613	2084	2087	2092	rVB2	52056	51217	5.71%	0.519%
54	14.713	2101	2104	2105	rBV3	25606	25035	2.79%	0.253%
55	14.936	2140	2142	2146	rVB	42521	50108	5.59%	0.507%
56	15.295	2196	2203	2209	rBV2	168783	434223	48.43%	4.397%
57	15.613	2253	2257	2264	rVB	93855	134346	14.98%	1.360%
58	15.683	2265	2269	2271	rBV	124482	177930	19.84%	1.802%
59	15.748	2276	2280	2297	rVB	362306	626460	69.87%	6.343%
60	16.177	2349	2353	2358	rVB	88372	134643	15.02%	1.363%
61	16.718	2441	2445	2456	rVB	64011	132266	14.75%	1.339%
62	17.365	2549	2555	2563	rVB3	72335	160639	17.92%	1.626%
63	17.854	2634	2638	2648	rBV2	29061	78428	8.75%	0.794%

Sum of corrected areas: 9876402

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
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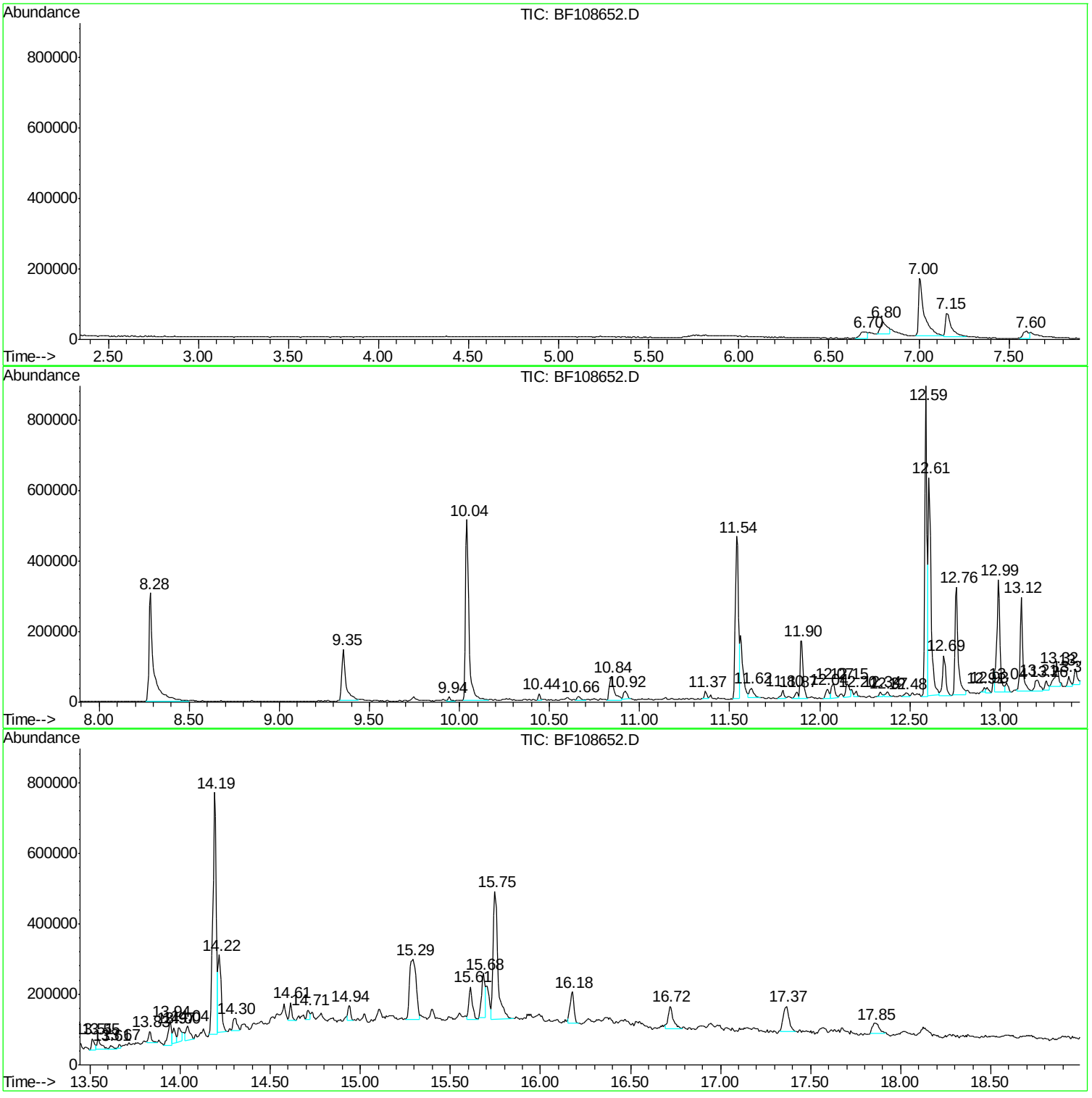
Acq On : 30 Aug 2018 20:45
Operator : JU/SJ
Sample : J4282-17 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-082918-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.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\BF083018\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-082918-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.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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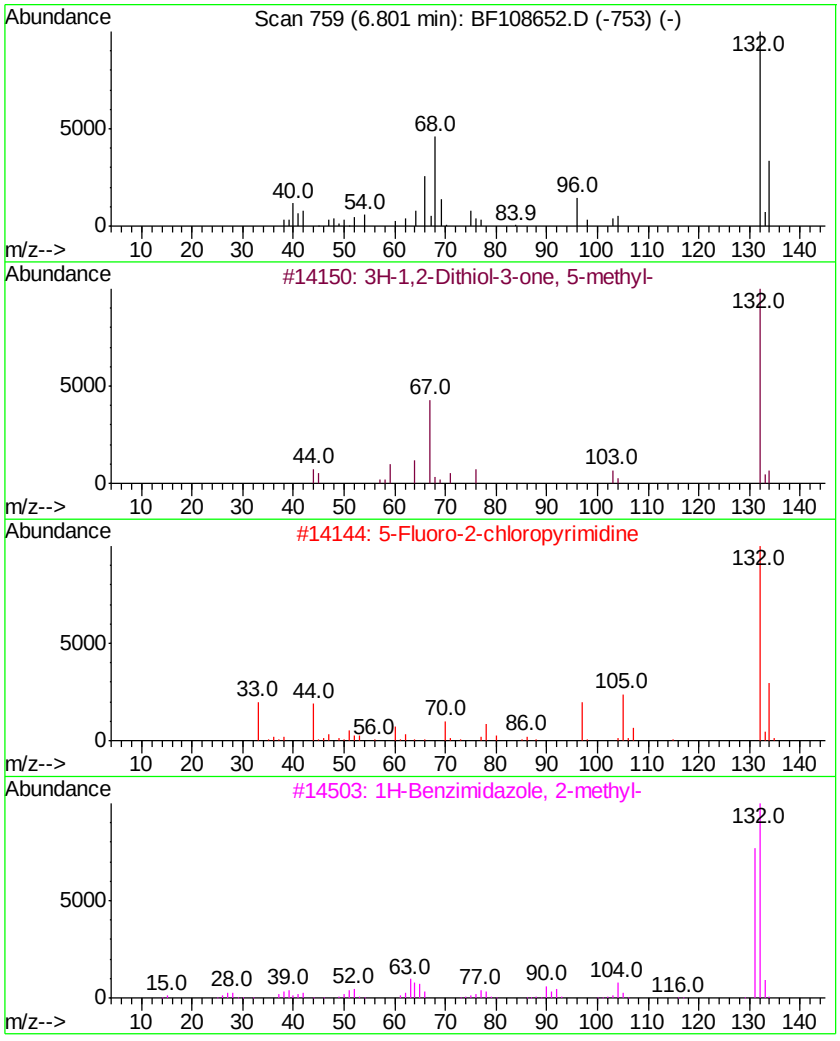
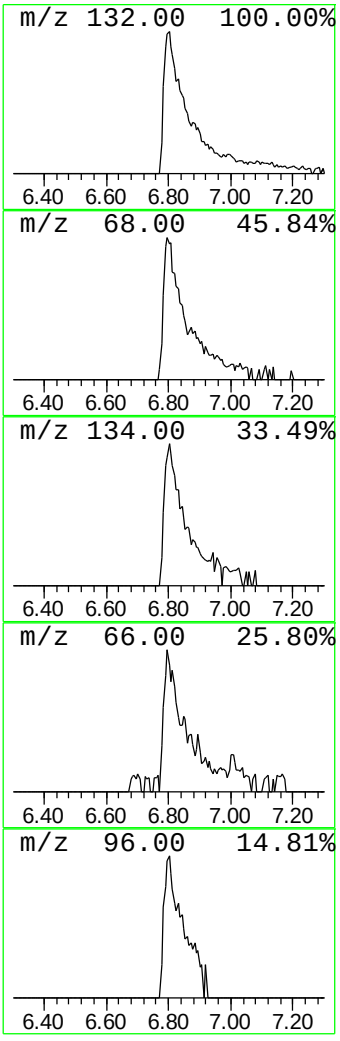
Peak Number 1 unknown6.80 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	4.71 ng	89827	1,4-Dichlorobenzene-d4	7.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	16
5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
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Sample : J4282-17 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-082918-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

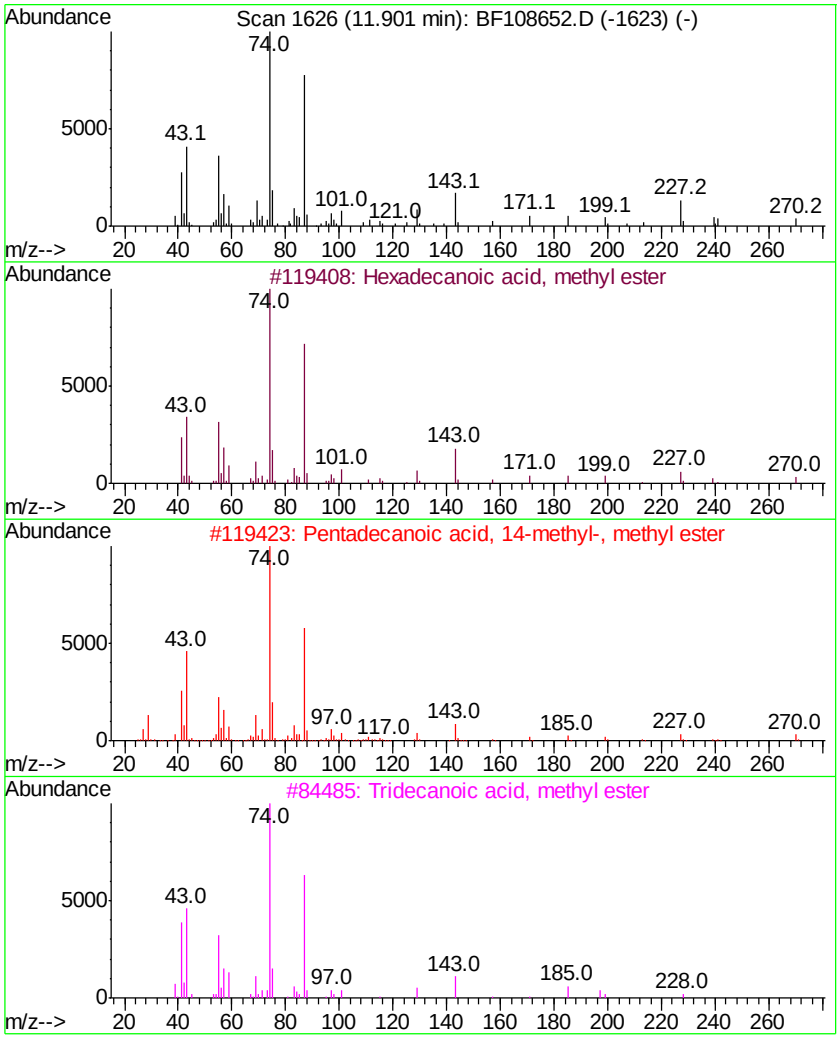
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

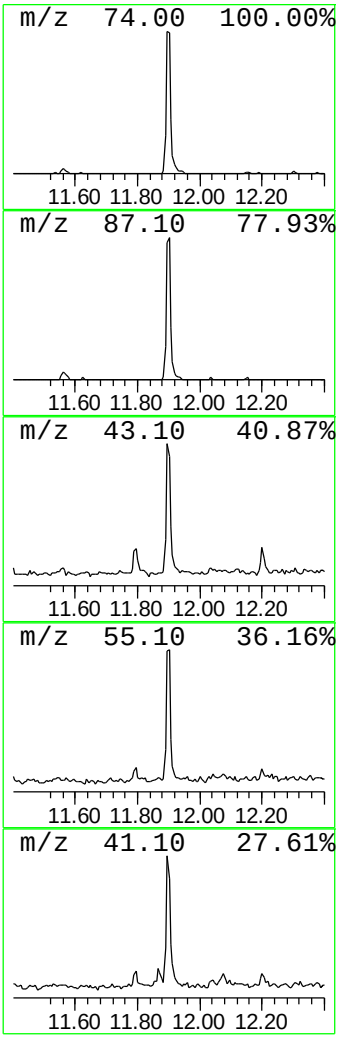
****

Peak Number 3 Hexadecanoic acid, methyl e... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	6.45 ng	170308	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	93
4	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	86
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86





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Operator : JU/SJ
Sample : J4282-17 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-082918-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

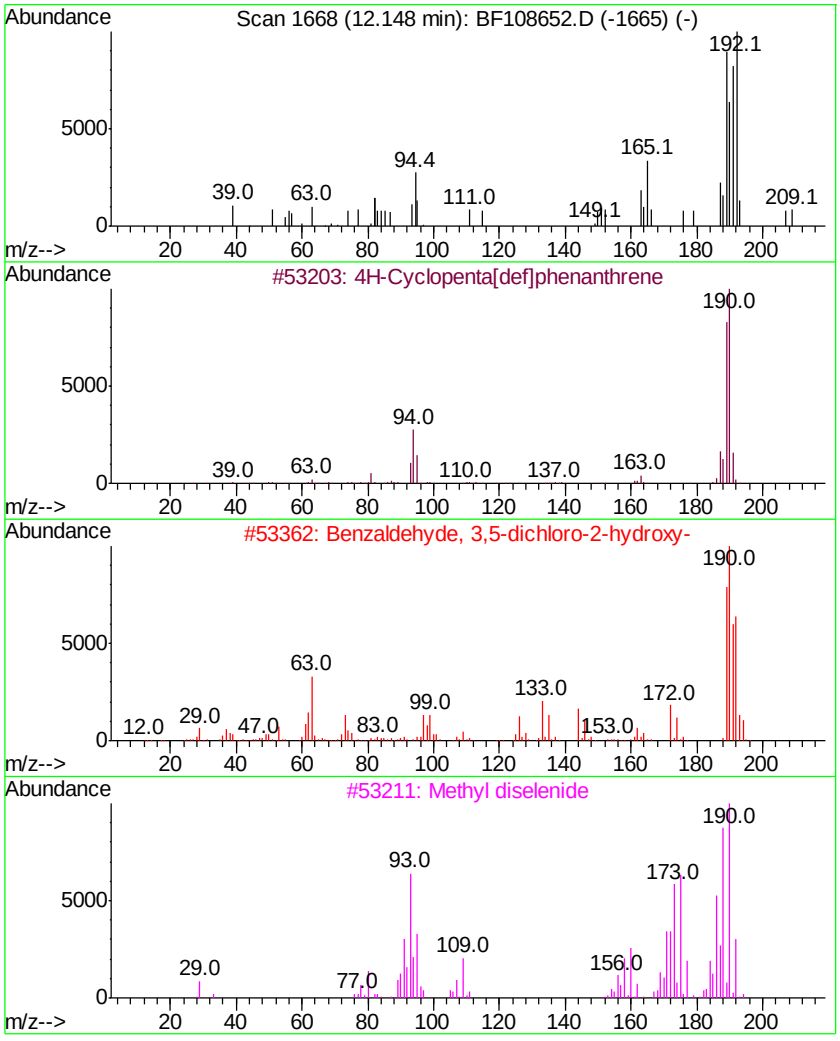
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

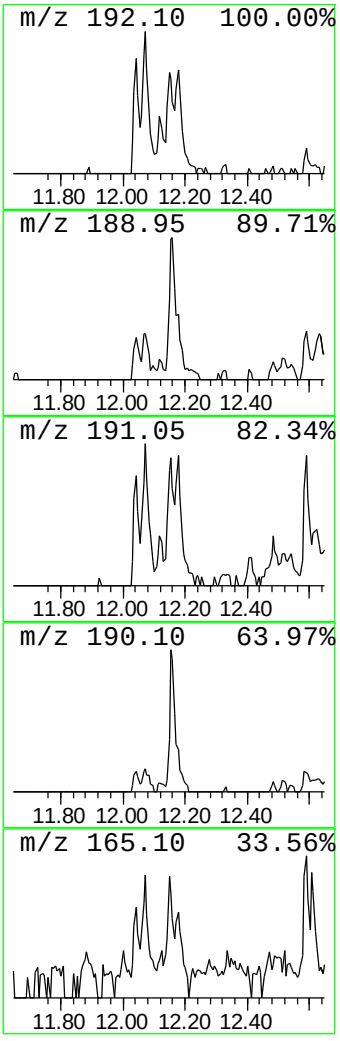
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	2.14 ng	56552	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	33
3	Methyl diselenide	190	C2H6Se2	007101-31-7	27
4	Propanoic acid, 2-(2,4-dichlorop...	378	C15H10Cl4O3	284488-02-4	17
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	16





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-082918-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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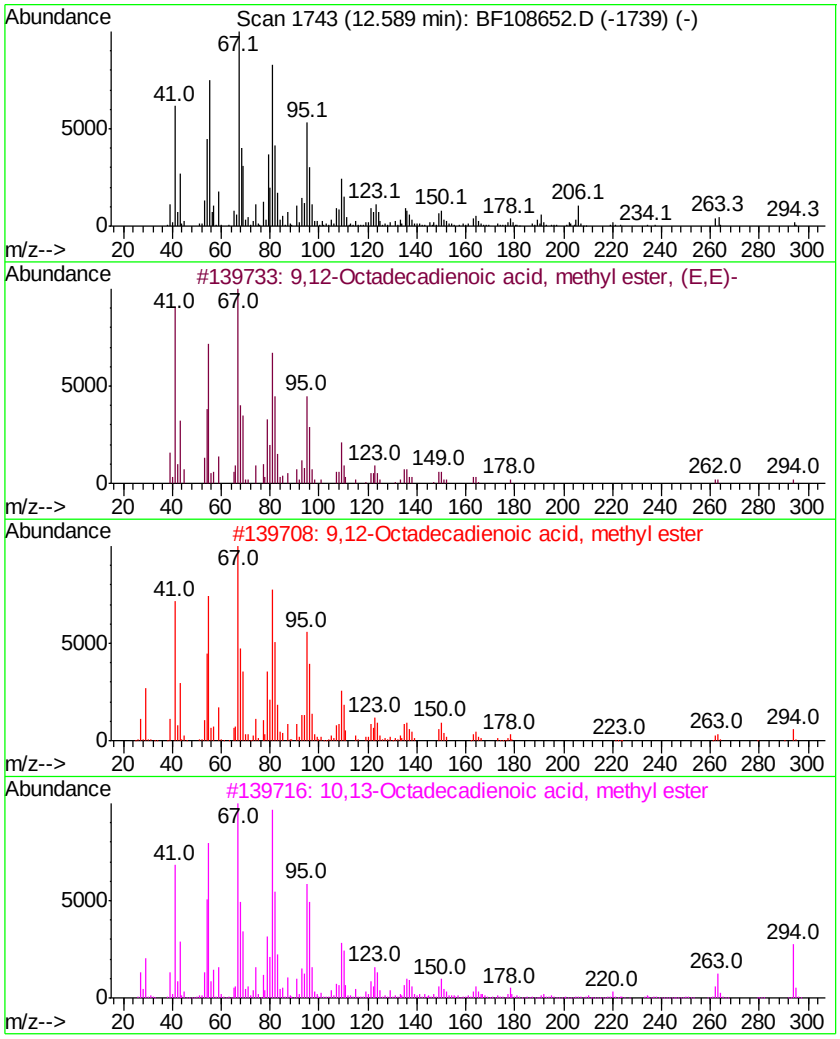
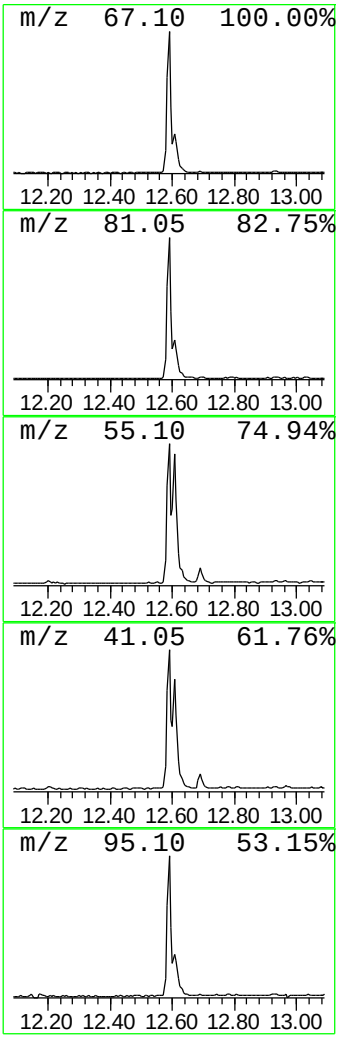
****

Peak Number 5 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	32.41 ng	855070	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	97
5	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	97





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : SU-01-082918-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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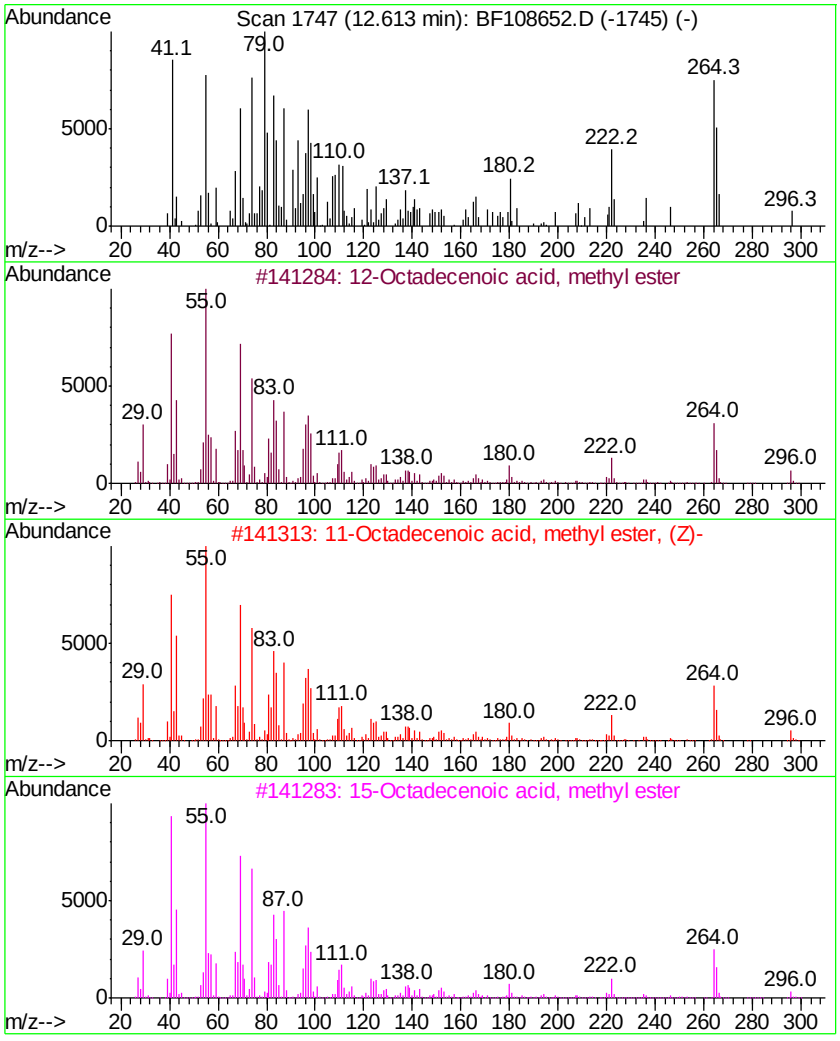
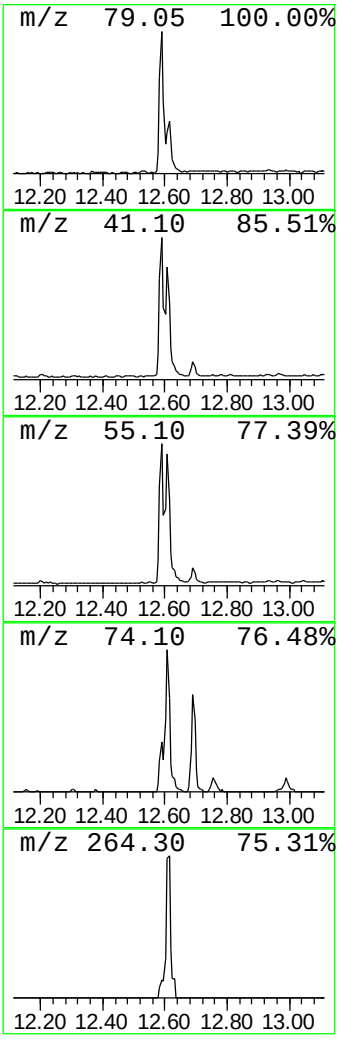
****

Peak Number 6 12-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	20.56 ng	542556	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	96
2	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	95
3	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	95
4	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	95
5	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	94





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Instrument : BNA_F
ClientSampleId : SU-01-082918-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

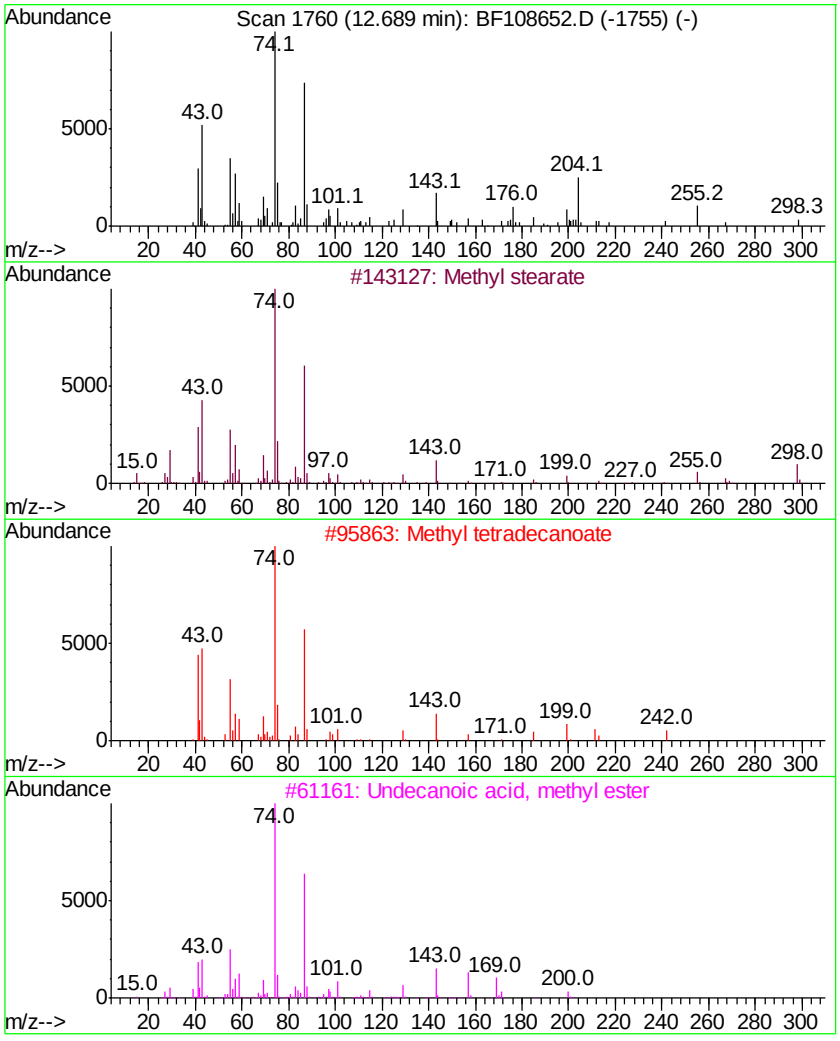
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

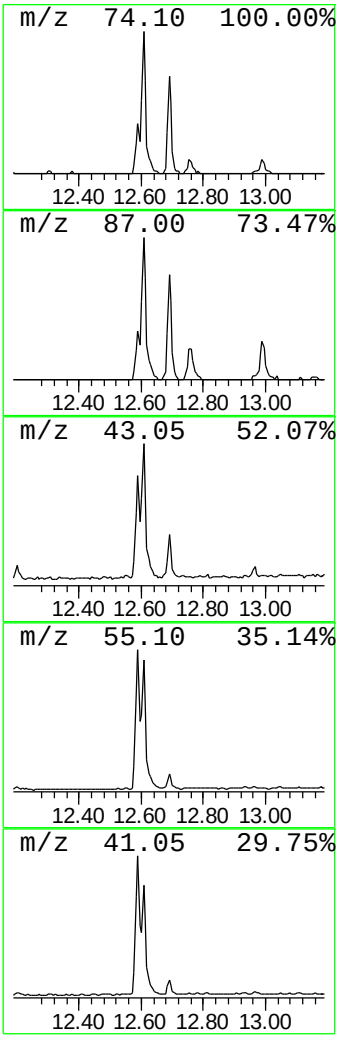
****

Peak Number 7 Methyl stearate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	4.86 ng	128328	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	93
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	83
3	Undecanoic acid, methyl ester	200	C12H24O2	001731-86-8	81
4	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	80
5	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
Data File : BF108652.D
Acq On : 30 Aug 2018 20:45
Operator : JU/SJ
Sample : J4282-17 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-082918-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

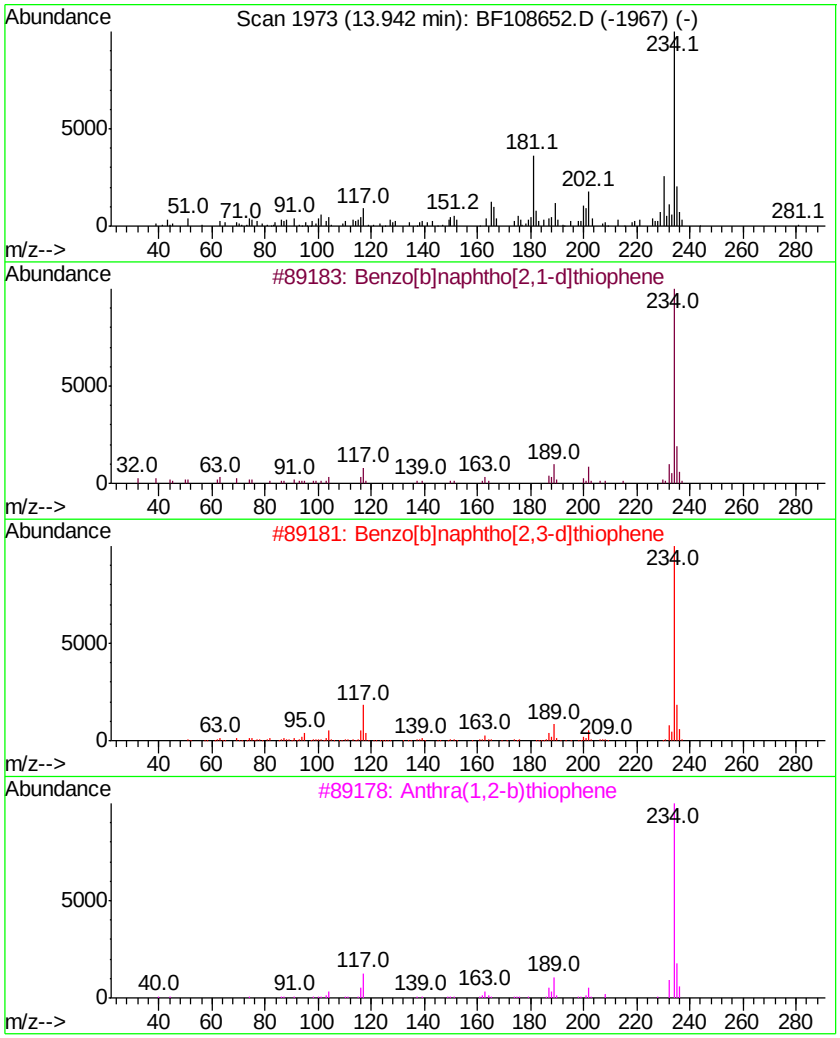
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

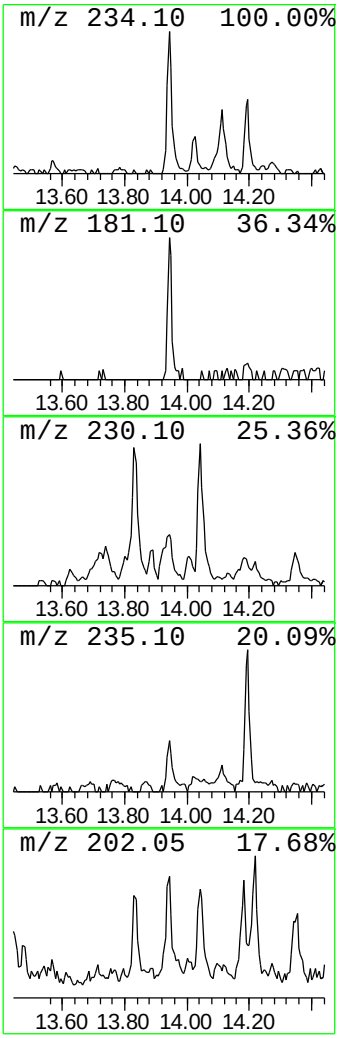
****

Peak Number 8 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	2.05 ng	91972	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	60
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	49
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	47





Library Search Compound Report

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Data File : BF108652.D
Acq On : 30 Aug 2018 20:45
Operator : JU/SJ
Sample : J4282-17 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-082918-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.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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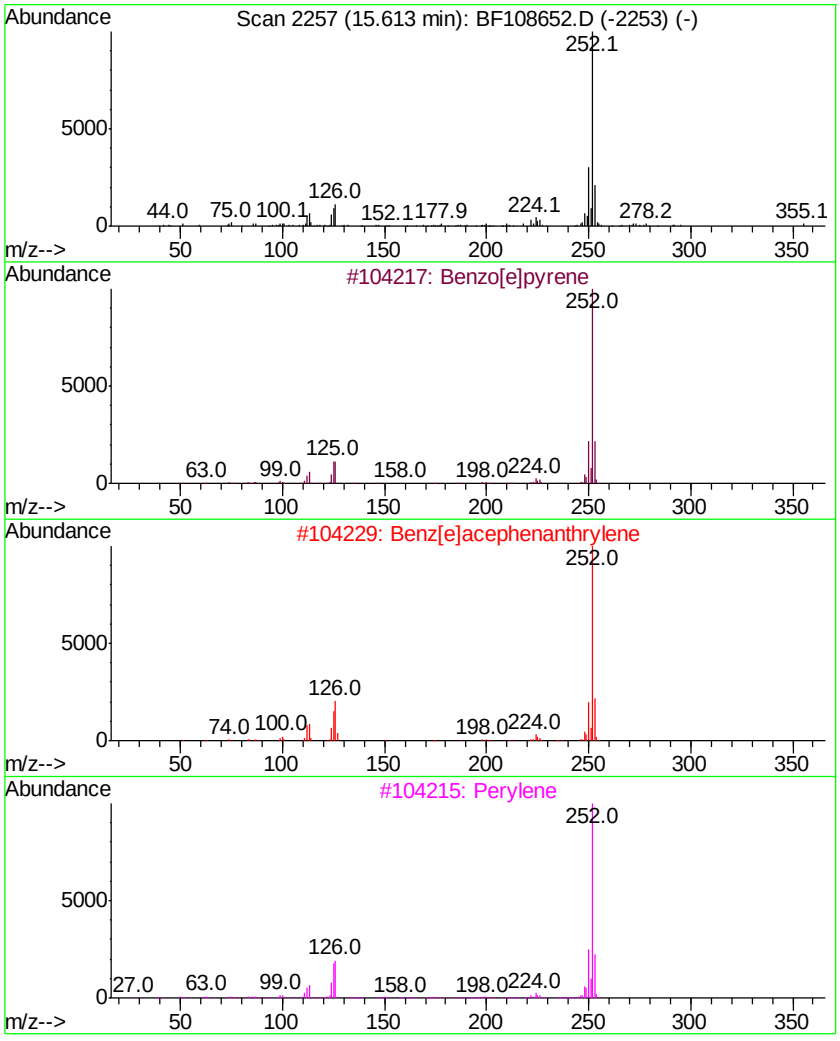
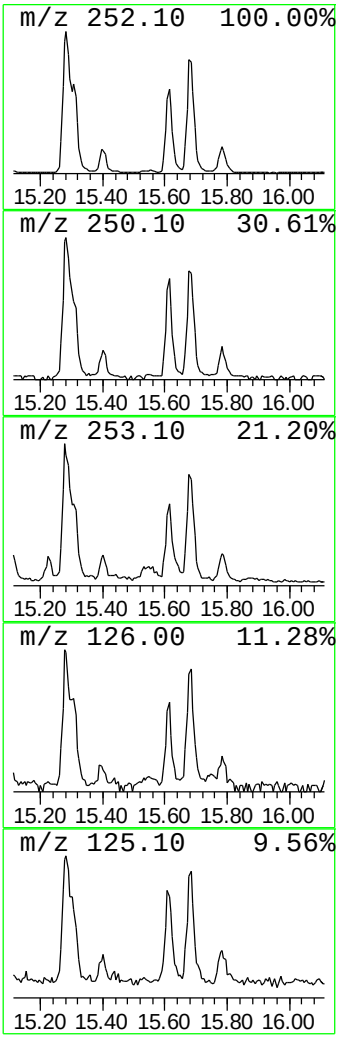
Peak Number 9 Benzo[j]fluoranthene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	4.29 ng	134346	Perylene-d12	15.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





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Data File : BF108652.D
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Operator : JU/SJ
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-082918-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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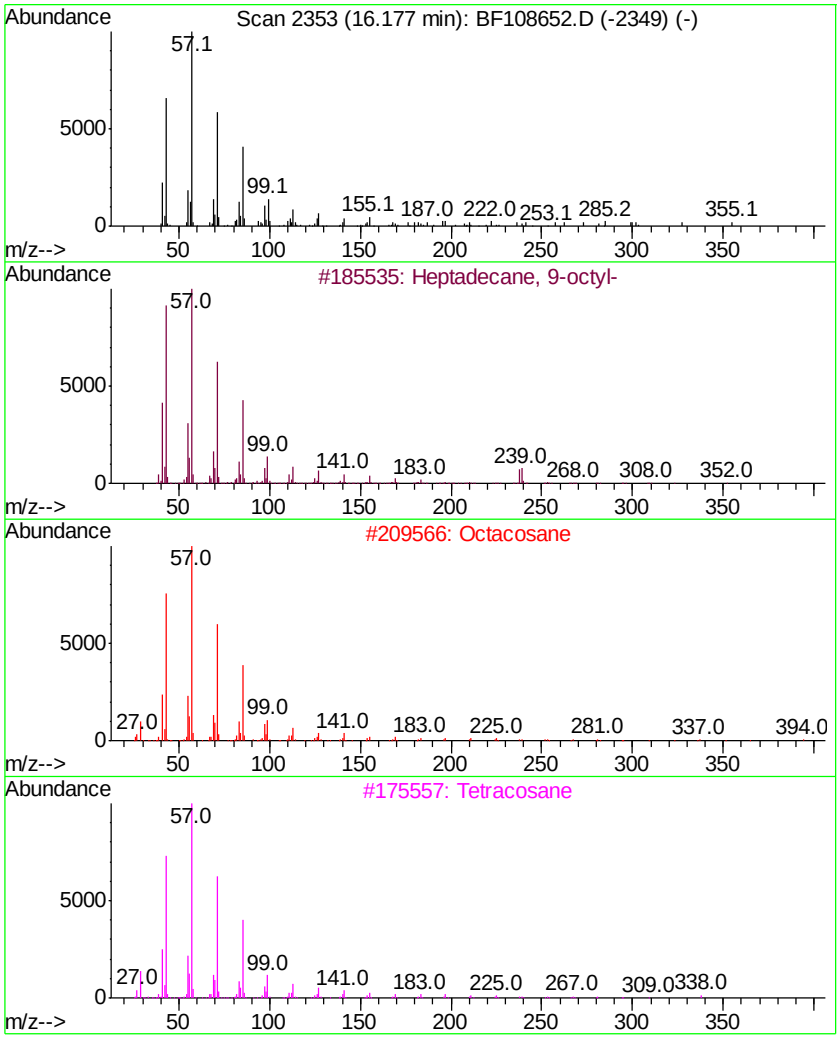
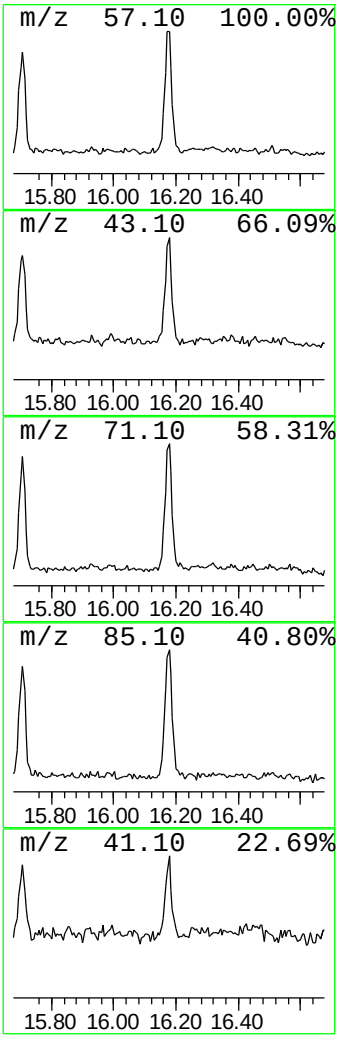
Peak Number 10 Heptadecane, 9-octyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	4.30 ng	134643	Perylene-d12	15.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
2	Octacosane	394	C28H58	000630-02-4	87
3	Tetracosane	338	C24H50	000646-31-1	87
4	Pentacosane	352	C25H52	000629-99-2	87
5	Hentriacontane	437	C31H64	000630-04-6	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
Data File : BF108652.D
Acq On : 30 Aug 2018 20:45
Operator : JU/SJ
Sample : J4282-17 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-082918-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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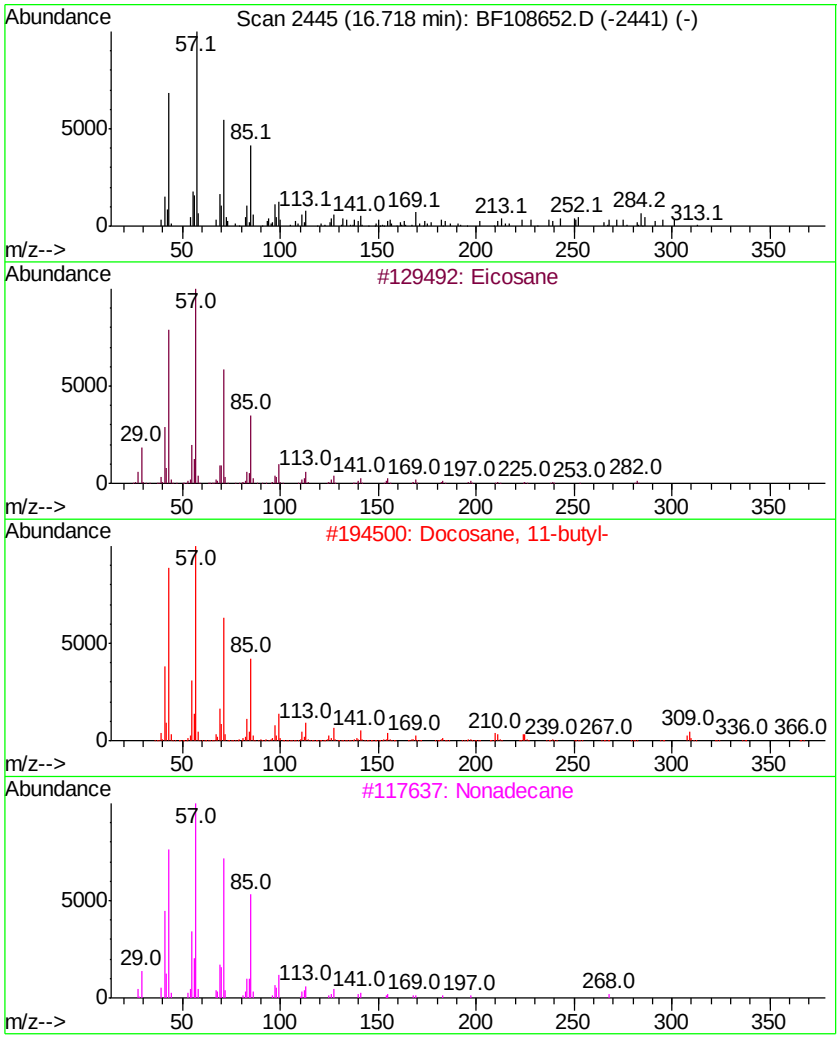
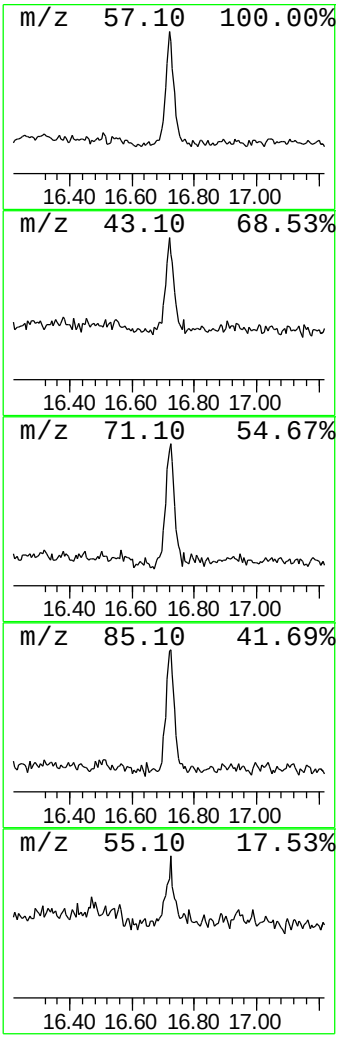
Peak Number 11 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	4.22 ng	132266	Perylene-d12	15.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	86
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	76
3	Nonadecane	268	C19H40	000629-92-5	70
4	2-methyloctacosane	408	C29H60	1000376-72-8	68
5	Hexatriacontane	507	C36H74	000630-06-8	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF083018\
Data File : BF108652.D
Acq On : 30 Aug 2018 20:45
Operator : JU/SJ
Sample : J4282-17 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-082918-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083018.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
unknown6.80	6.80	4.7	ng	89827	1	7.01	381759	20.0
Hexadecanoic acid...	11.90	6.5	ng	170308	4	11.54	527680	20.0
4H-Cyclopenta[def...	12.15	2.1	ng	56552	4	11.54	527680	20.0
9,12-Octadecadien...	12.59	32.4	ng	855070	4	11.54	527680	20.0
12-Octadecenoic a...	12.61	20.6	ng	542556	4	11.54	527680	20.0
Methyl stearate	12.69	4.9	ng	128328	4	11.54	527680	20.0
Benzo[b]naphtho[2...	13.94	2.0	ng	91972	5	14.19	896600	20.0
Benzo[j]fluoranthene	15.61	4.3	ng	134346	6	15.75	626460	20.0
Heptadecane, 9-oc...	16.18	4.3	ng	134643	6	15.75	626460	20.0
Eicosane	16.72	4.2	ng	132266	6	15.75	626460	20.0