LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109259.D
Acq On : 24 Sep 2018 11:38
Operator : JU/SJ
Sample : J5021-17
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SOIL-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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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	4.899	474	478	486	rVB	79946	97247	4.04%	0.369%
2	5.316	544	549	552	rBV	2283028	2141068	88.90%	8.132%
3	6.346	719	724	733	rBV	2266096	2408408	100.00%	9.147%
4	6.475	742	746	749	rBV	2457329	2305639	95.73%	8.757%
5	6.704	782	785	789	rBV	922995	742980	30.85%	2.822%
6	6.863	808	812	815	rBV	2060937	1663577	69.07%	6.318%
7	7.269	876	881	884	rBV	1558854	1448220	60.13%	5.500%
8	7.987	999	1003	1006	rBV	1227763	965578	40.09%	3.667%
9	9.063	1182	1186	1189	rBV	2865696	2322224	96.42%	8.820%
10	9.157	1196	1202	1204	rBV4	31334	43067	1.79%	0.164%
11	9.375	1236	1239	1242	rBV3	35521	45383	1.88%	0.172%
12	9.457	1250	1253	1255	rBV	998888	739980	30.72%	2.810%
13	9.481	1255	1257	1259	rVB2	57527	47542	1.97%	0.181%
14	9.622	1276	1281	1283	rBV3	49512	79068	3.28%	0.300%
15	9.657	1284	1287	1290	rVB3	75276	79166	3.29%	0.301%
16	9.686	1290	1292	1295	rBV3	48320	54589	2.27%	0.207%
17	9.739	1295	1301	1306	rVV	1292177	1261156	52.36%	4.790%
18	10.010	1344	1347	1349	rBV3	94059	86642	3.60%	0.329%
19	10.151	1369	1371	1373	rBV2	66153	48691	2.02%	0.185%
20	10.404	1411	1414	1420	rVB	289867	297590	12.36%	1.130%
21	10.522	1430	1434	1437	rBV	1775399	1578834	65.56%	5.996%
22	10.669	1456	1459	1465	rVB	615436	618217	25.67%	2.348%
23	11.133	1535	1538	1541	rVB	747278	703431	29.21%	2.672%
24	11.216	1549	1552	1555	rBV	1231912	965144	40.07%	3.666%
25	11.480	1595	1597	1601	rVB	187490	160118	6.65%	0.608%
26	12.422	1755	1757	1761	rBV2	164634	162700	6.76%	0.618%
27	12.798	1817	1821	1824	rBV	2227419	1941032	80.59%	7.372%
28	13.369	1916	1918	1923	rVB2	91881	107935	4.48%	0.410%
29	13.704	1972	1975	1988	rVB	145085	266850	11.08%	1.013%
30	13.839	1994	1998	2001	rBV	987373	875080	36.33%	3.324%
31	14.021	2027	2029	2032	rVB	36578	34429	1.43%	0.131%
32	14.327	2078	2081	2085	rBV2	79343	84194	3.50%	0.320%
33	14.621	2128	2131	2134	rBV	87710	83452	3.47%	0.317%
34	14.686	2140	2142	2146	rVB	41526	44198	1.84%	0.168%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : LS-SOIL-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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.839	2166	2168	2171	rBV	21717	31078	1.29%	0.118%
36	14.933	2180	2184	2189	rVB	139542	163976	6.81%	0.623%
37	15.239	2231	2236	2240	rBV	764472	859083	35.67%	3.263%
38	15.286	2240	2244	2249	rVB	197098	241157	10.01%	0.916%
39	15.686	2308	2312	2317	rBV	161470	222429	9.24%	0.845%
40	15.898	2345	2348	2354	rVB7	20246	35116	1.46%	0.133%
41	16.151	2385	2391	2401	rBV2	94320	181011	7.52%	0.687%
42	16.298	2412	2416	2422	rVB9	20759	36321	1.51%	0.138%
43	16.692	2479	2483	2488	rVB2	32717	56119	2.33%	0.213%

Sum of corrected areas: 26329719

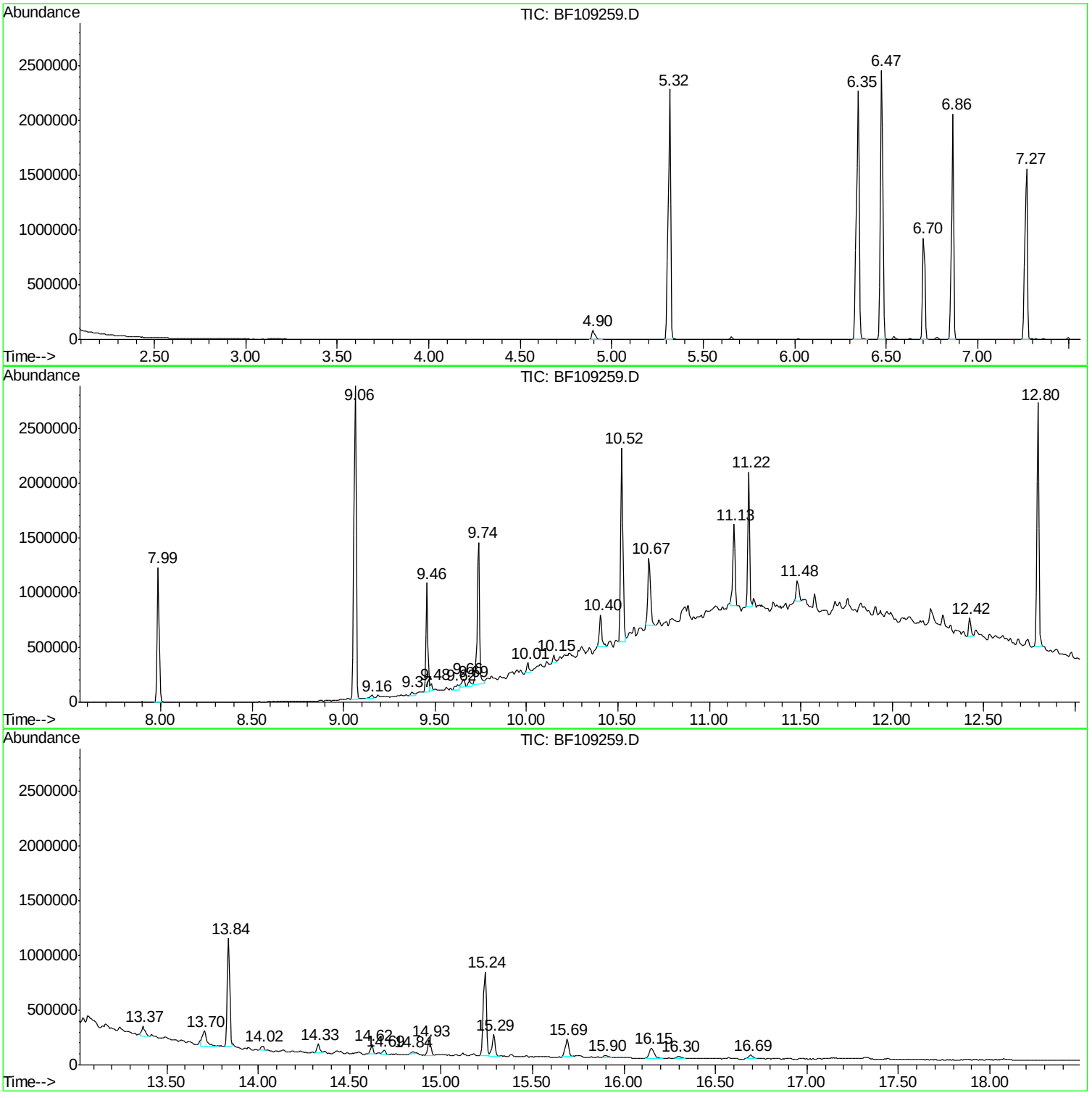
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109259.D
Acq On : 24 Sep 2018 11:38
Operator : JU/SJ
Sample : J5021-17
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SOIL-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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\BF092418\
Data File : BF109259.D
Acq On : 24 Sep 2018 11:38
Operator : JU/SJ
Sample : J5021-17
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SOIL-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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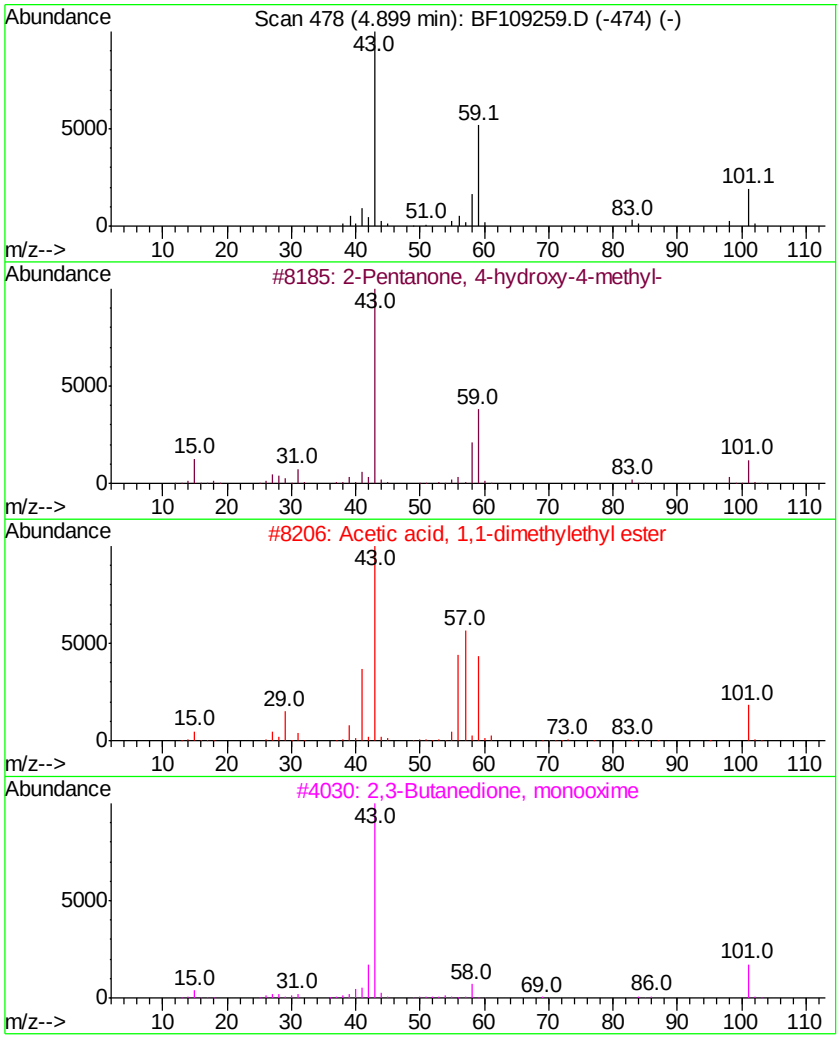
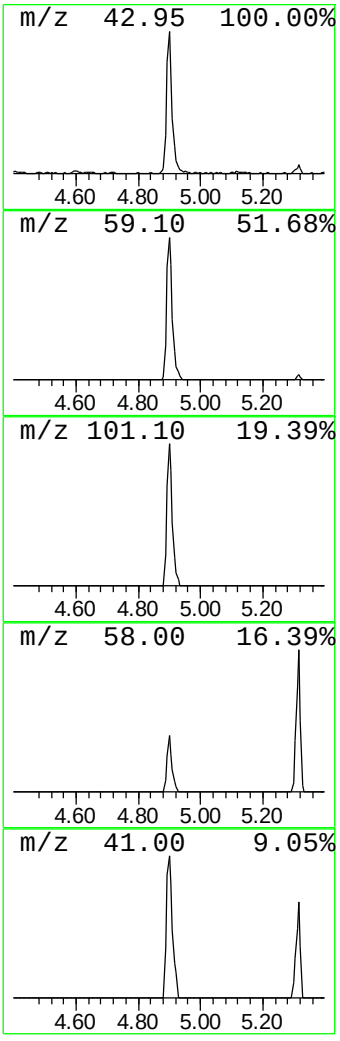
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	2.62 ng	97247	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	17
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109259.D
Acq On : 24 Sep 2018 11:38
Operator : JU/SJ
Sample : J5021-17
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SOIL-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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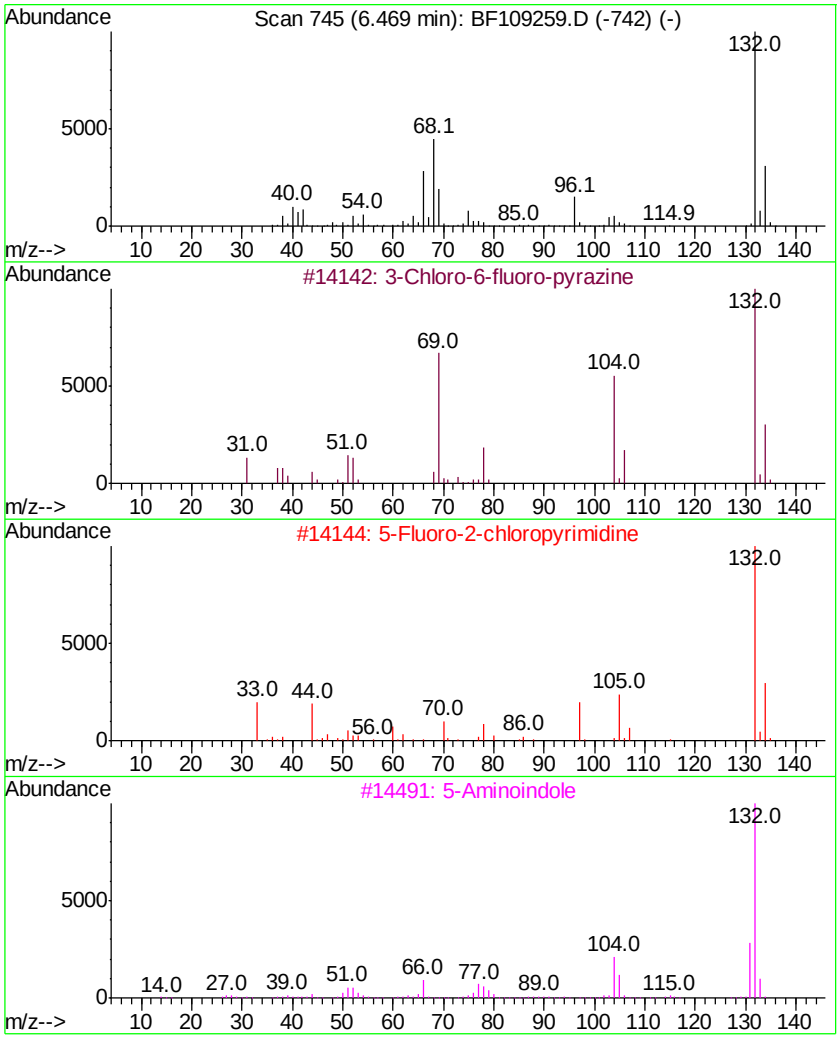
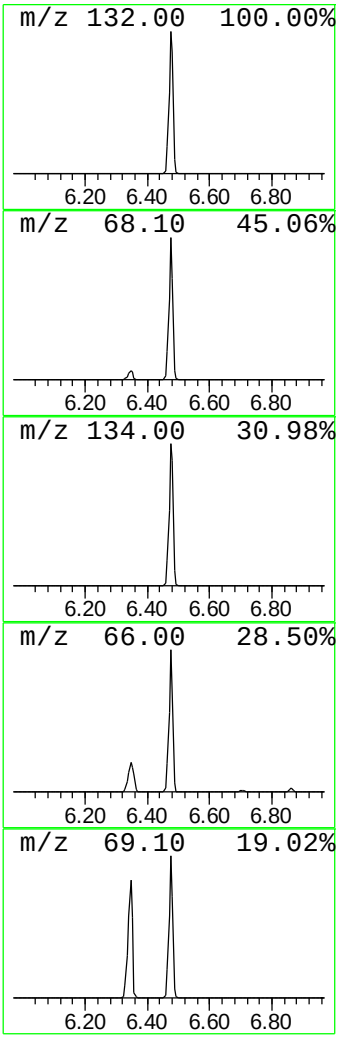
Peak Number 2 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	62.06 ng	2305640	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109259.D
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Operator : JU/SJ
Sample : J5021-17
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SOIL-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

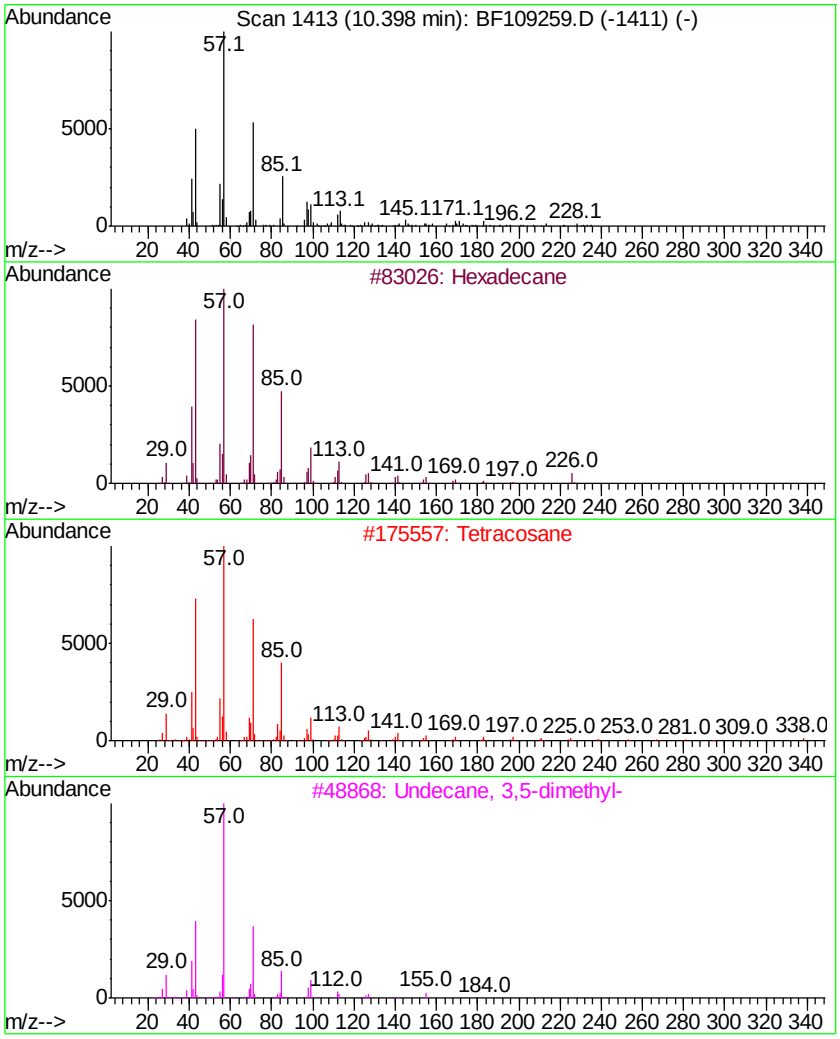
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

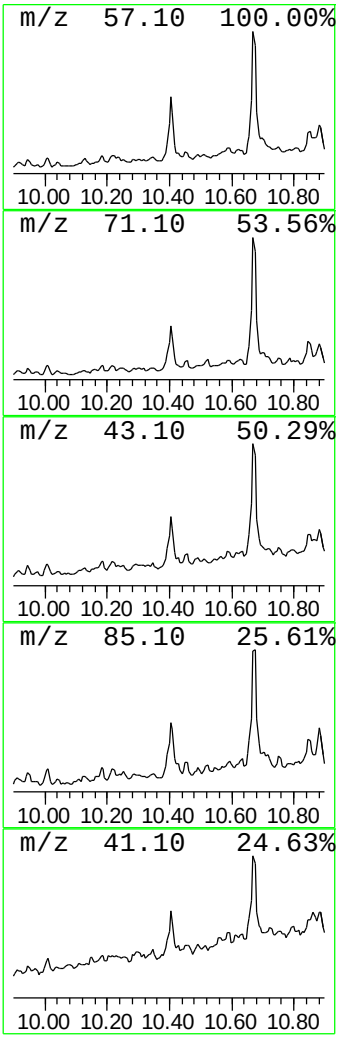
****

Peak Number 4 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	4.72 ng	297590	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	80
2	Tetracosane	338	C24H50	000646-31-1	72
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	64
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	58
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109259.D
Acq On : 24 Sep 2018 11:38
Operator : JU/SJ
Sample : J5021-17
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SOIL-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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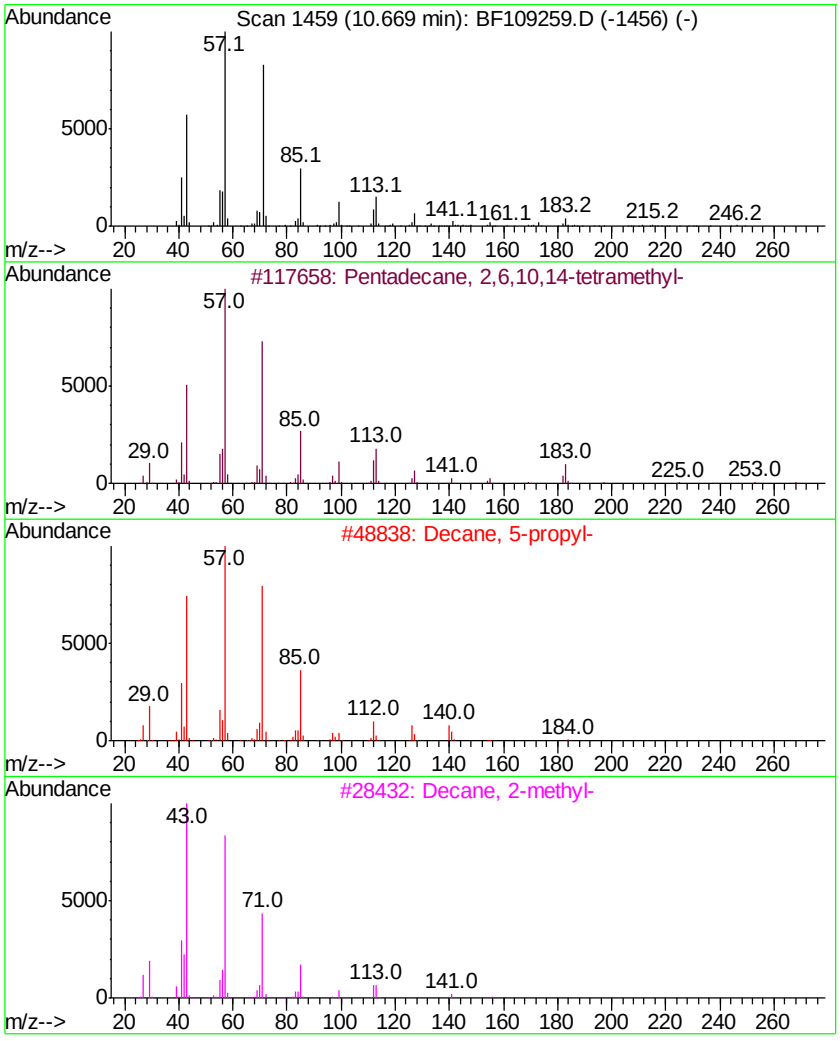
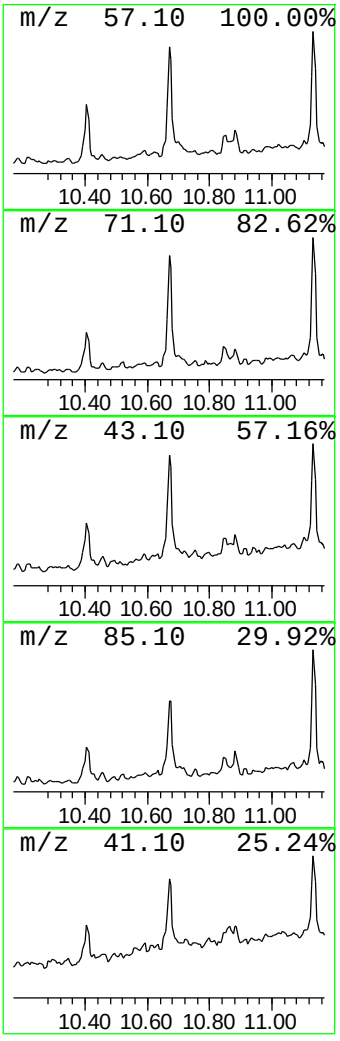
Peak Number 5 Pentadecane, 2,6,10,14-tetr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	12.81 ng	618217	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2	Decane, 5-propyl-	184	C13H28	017312-62-8	83
3	Decane, 2-methyl-	156	C11H24	006975-98-0	80
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	70





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : LS-SOIL-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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TIC Library : C:\DATABASE\NIST11.L
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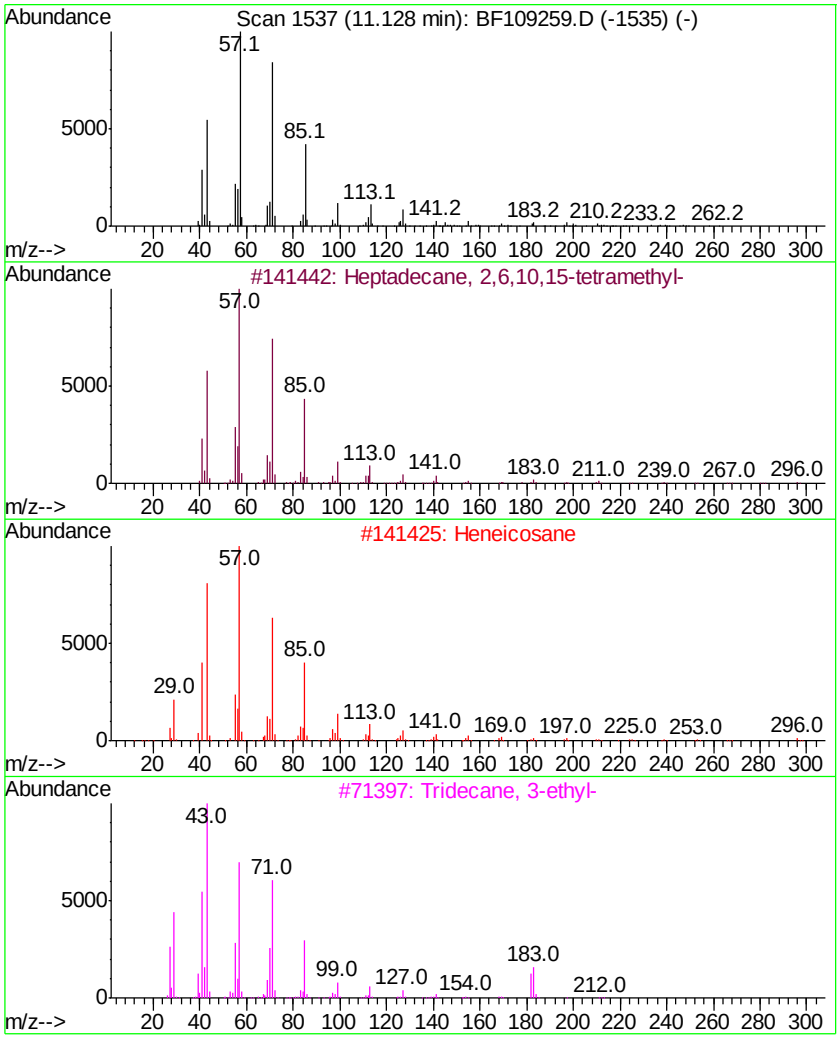
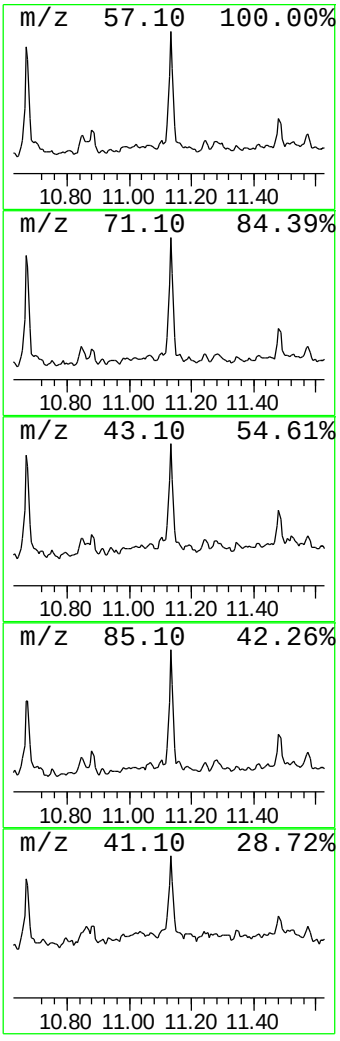
****

Peak Number 6 Heptadecane, 2,6,10,15-tetr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	14.58 ng	703431	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Tridecane, 3-ethyl-	212	C15H32	013286-73-2	90
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
5	Tetracosane	338	C24H50	000646-31-1	90





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ClientSampleId : LS-SOIL-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

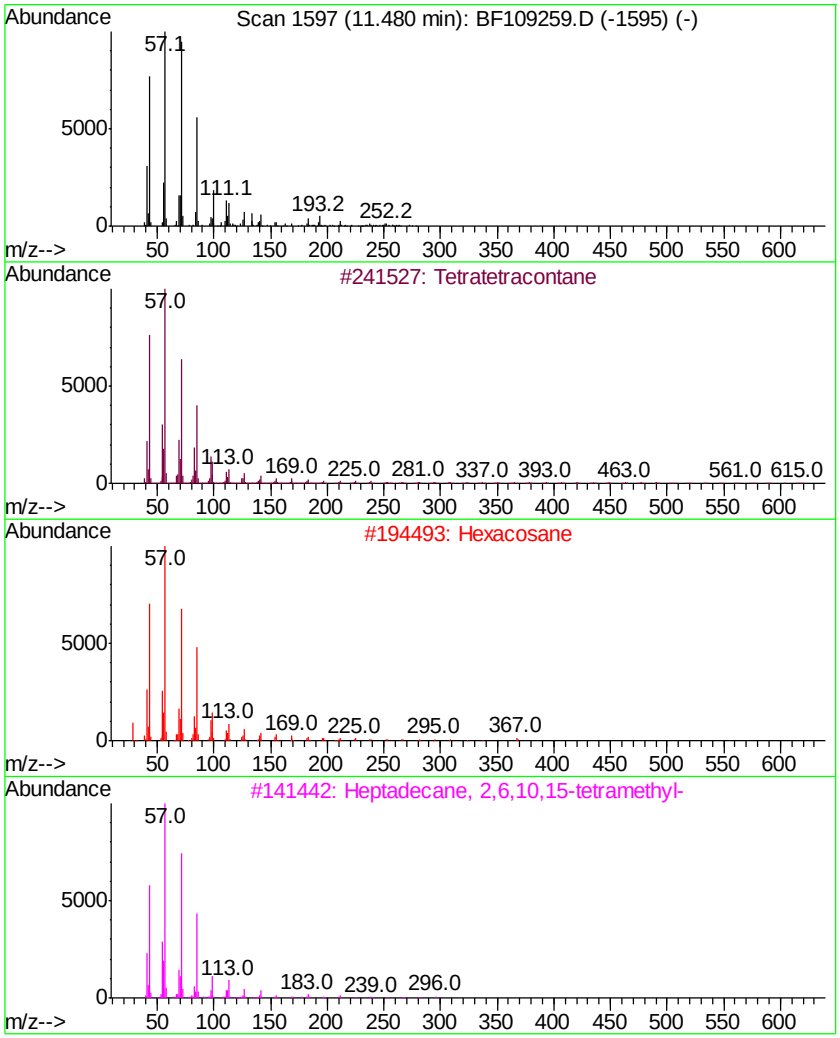
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

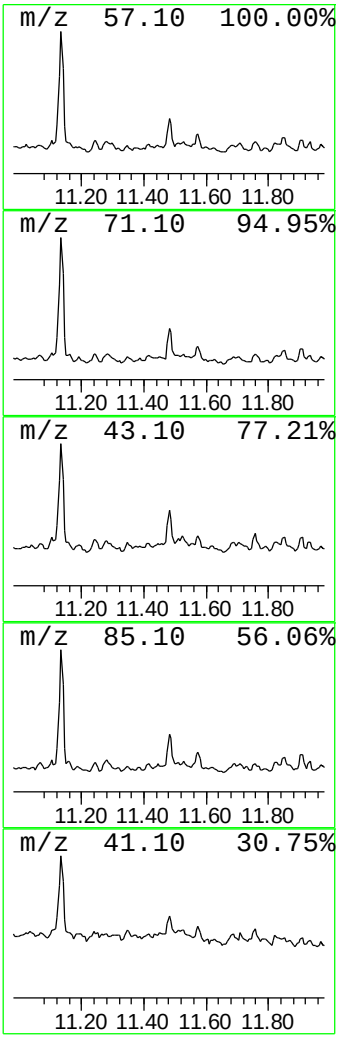
****

Peak Number 7 Tetratetracontane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	3.32 ng	160118	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	90
2	Hexacosane	366	C26H54	000630-01-3	87
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
4	Heneicosane	296	C21H44	000629-94-7	80
5	Octadecane	254	C18H38	000593-45-3	80





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Misc :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

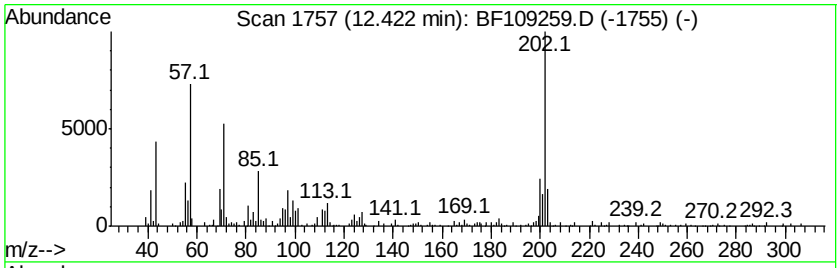
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

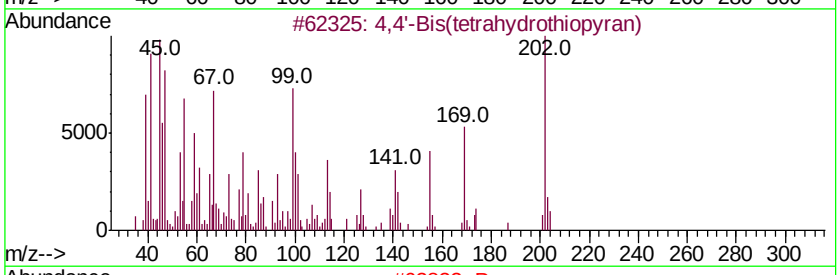
****

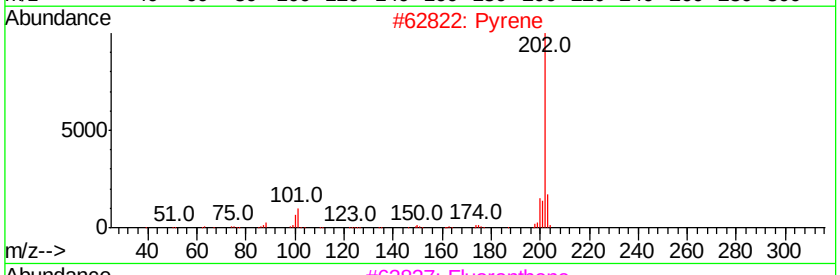
Peak Number 8 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 10

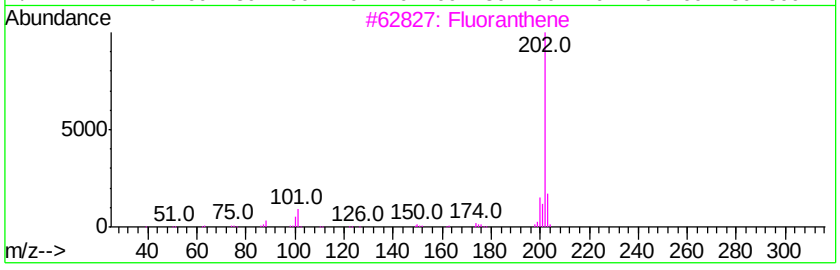
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	3.37 ng	162700	Phenanthrene-d10	11.22

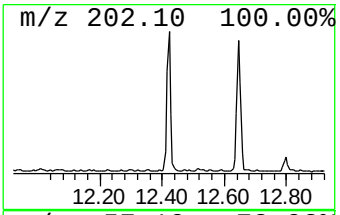
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	95
2	Pyrene	202	C16H10	000129-00-0	89
3	Fluoranthene	202	C16H10	000206-44-0	89
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	43
5	Nonadecane, 1-chloro-	302	C19H39Cl	062016-76-6	38

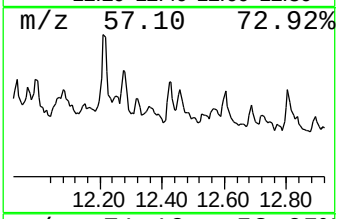


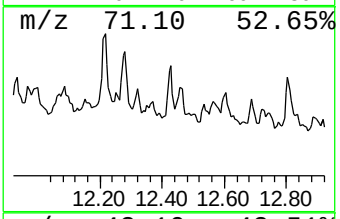


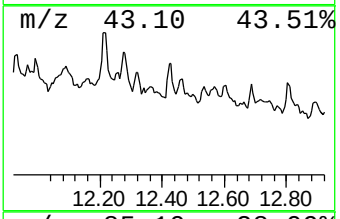


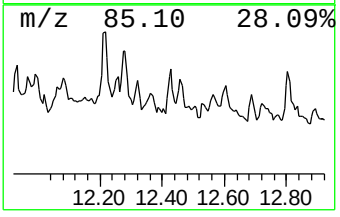












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Acq On : 24 Sep 2018 11:38
Operator : JU/SJ
Sample : J5021-17
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SOIL-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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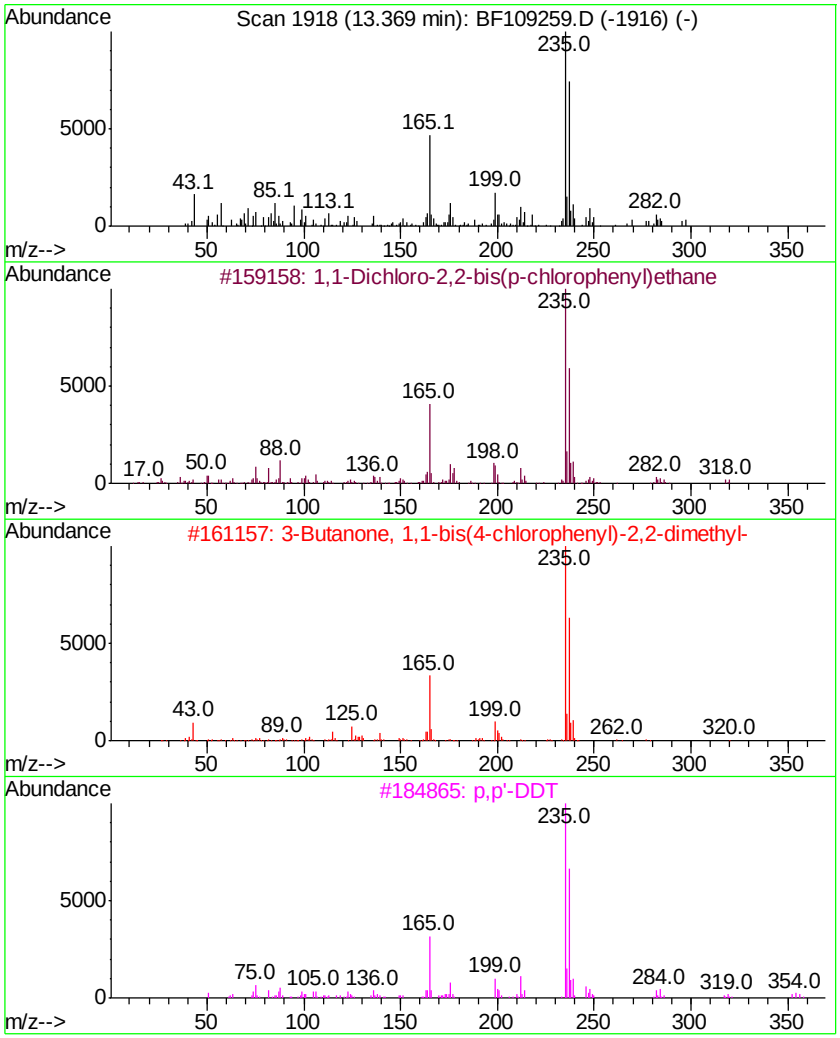
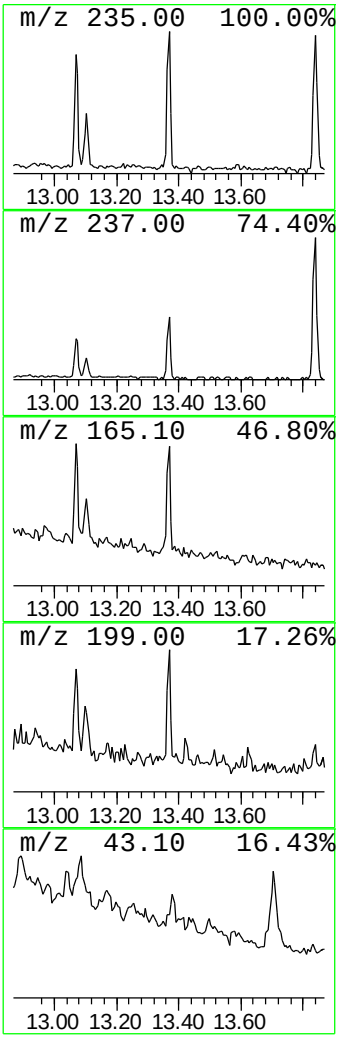
Peak Number 9 1,1-Dichloro-2,2-bis(p-chlo... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	2.47 ng	107935	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	91
2	3-Butanone, 1,1-bis(4-chlorophen...	320	C18H18Cl2O	1000158-20-4	64
3	p,p'-DDT	352	C14H9Cl5	000050-29-3	58
4	m,p'-DDD	318	C14H10Cl4	004329-12-8	58
5	2,2-Bis(4-chlorophenyl)acetic acid	280	C14H10Cl2O2	000083-05-6	42





Library Search Compound Report

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Data File : BF109259.D
Acq On : 24 Sep 2018 11:38
Operator : JU/SJ
Sample : J5021-17
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SOIL-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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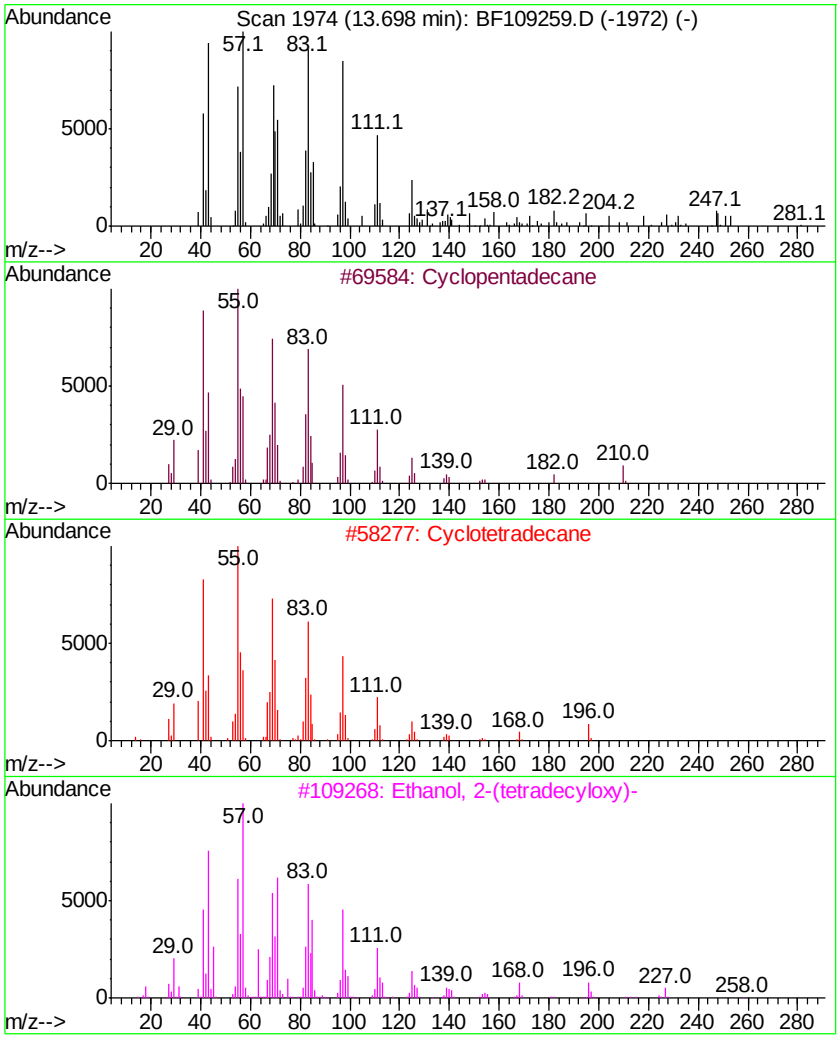
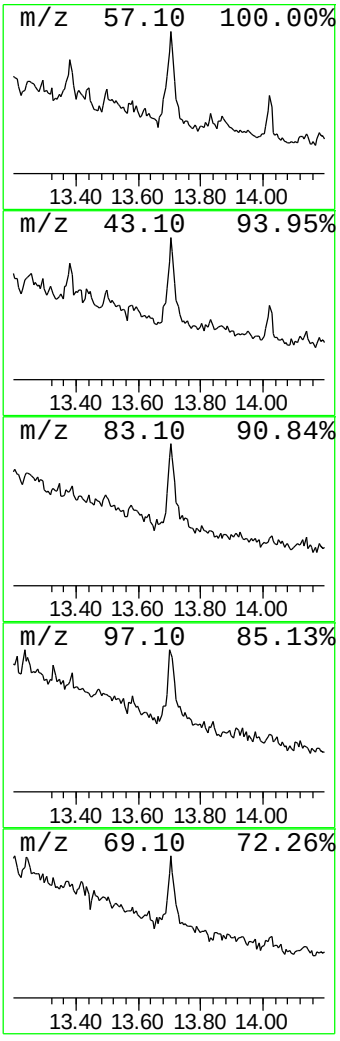
Peak Number 10 Cyclopentadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	6.10 ng	266850	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	98
2	Cyclotetradecane	196	C14H28	000295-17-0	93
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
4	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	90
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	76





Library Search Compound Report

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Sample : J5021-17
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SOIL-E

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

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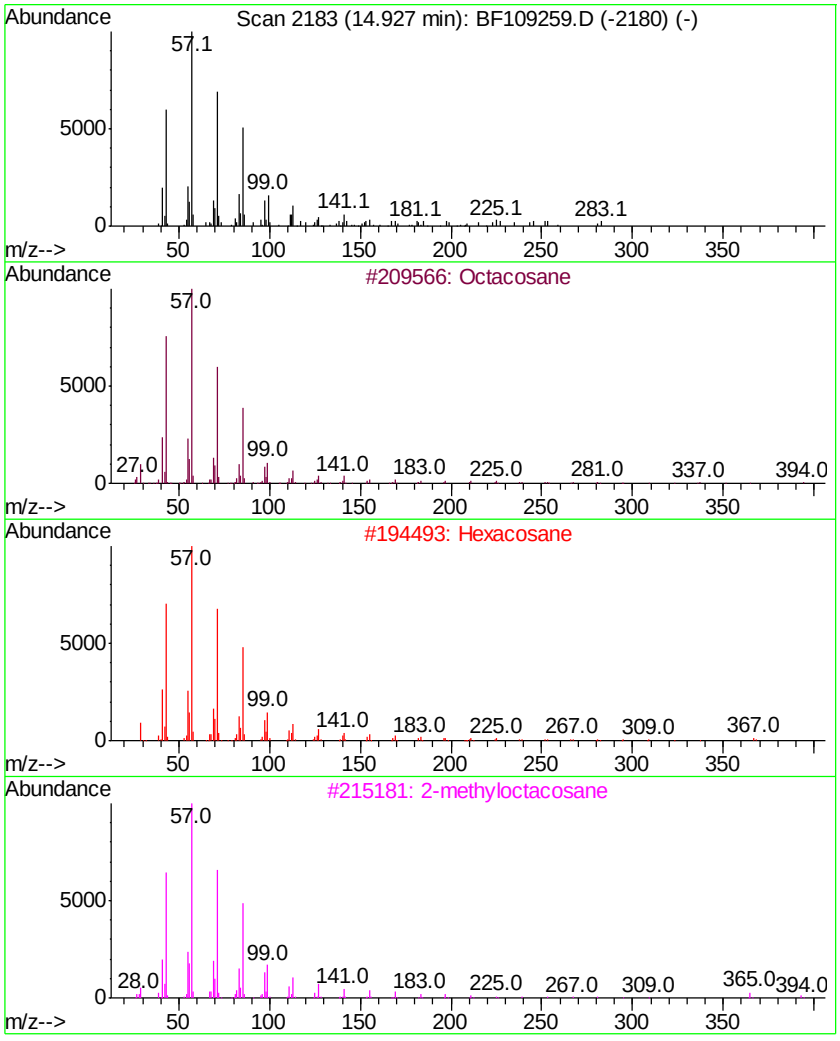
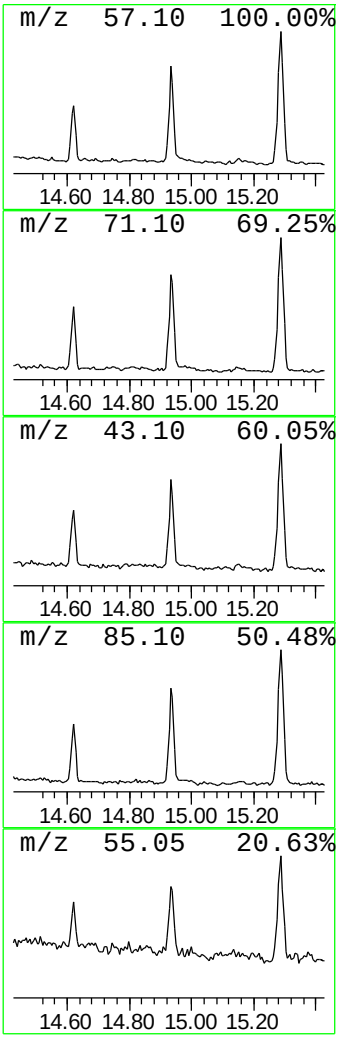
Peak Number 11 Octacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	3.82 ng	163976	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	90
2	Hexacosane	366	C26H54	000630-01-3	90
3	2-methyloctacosane	408	C29H60	1000376-72-8	87
4	Heneicosane	296	C21H44	000629-94-7	87
5	Heptadecane	240	C17H36	000629-78-7	83





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Acq On : 24 Sep 2018 11:38
Operator : JU/SJ
Sample : J5021-17
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SOIL-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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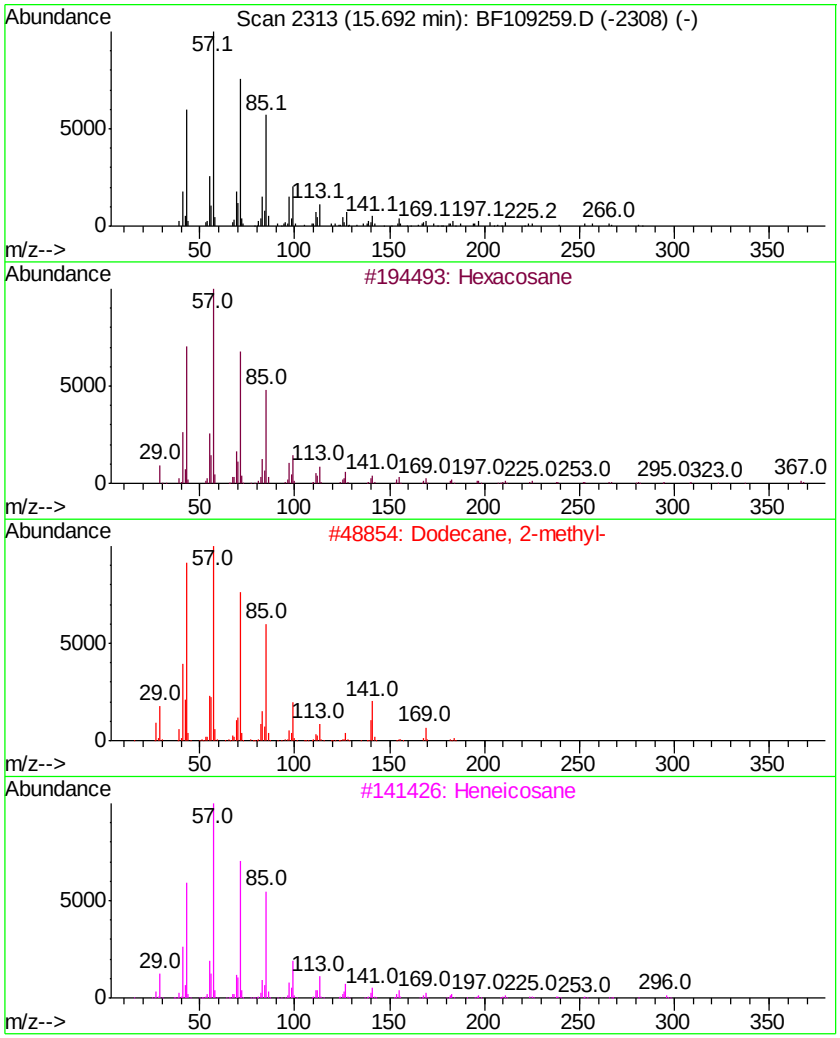
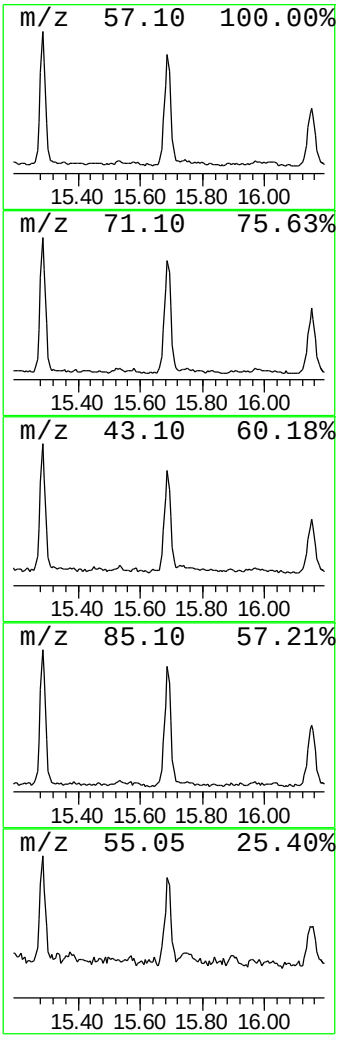
Peak Number 12 Hexacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	5.18 ng	222429	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90
3	Heneicosane	296	C21H44	000629-94-7	87
4	2-methyloctacosane	408	C29H60	1000376-72-8	87
5	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	87





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Operator : JU/SJ
Sample : J5021-17
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SOIL-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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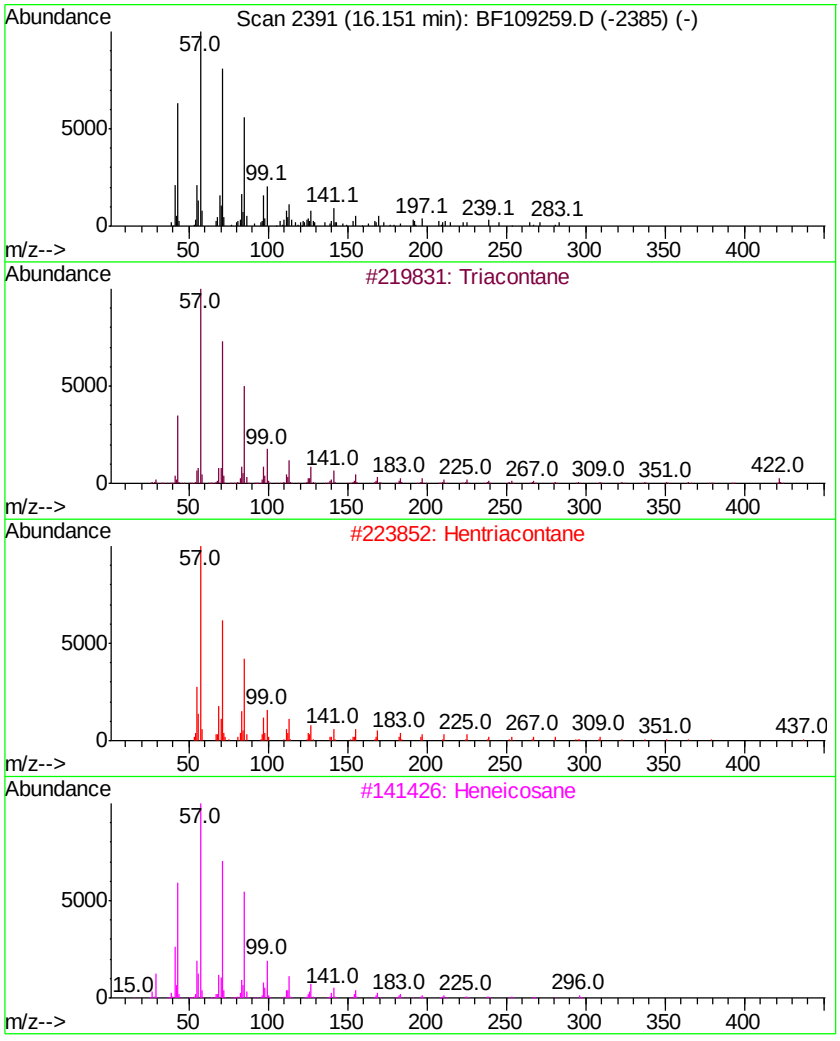
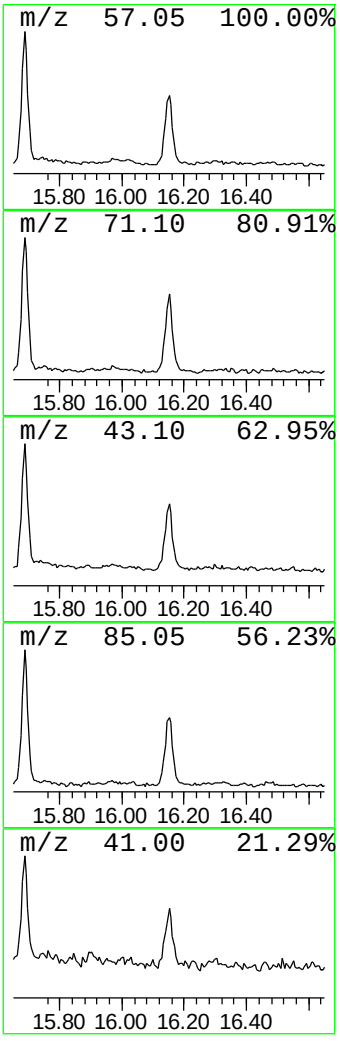
Peak Number 13 Triacontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	4.21 ng	181011	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	91
2	Hentriacontane	437	C31H64	000630-04-6	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	2-methyloctacosane	408	C29H60	1000376-72-8	91
5	Octacosane	394	C28H58	000630-02-4	91





Tentatively Identified Compound (LSC) summary

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Acq On : 24 Sep 2018 11:38
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.90	2.6	ng	97247	1	6.70	742980	20.0
unknown6.47	6.47	62.1	ng	2305640	1	6.70	742980	20.0
Hexadecane	10.40	4.7	ng	297590	3	9.74	1261160	20.0
Pentadecane, 2,6,...	10.67	12.8	ng	618217	4	11.22	965144	20.0
Heptadecane, 2,6,...	11.13	14.6	ng	703431	4	11.22	965144	20.0
Tetratetracontane	11.48	3.3	ng	160118	4	11.22	965144	20.0
4,4'-Bis(tetrahyd...	12.42	3.4	ng	162700	4	11.22	965144	20.0
1,1-Dichloro-2,2-...	13.37	2.5	ng	107935	5	13.84	875080	20.0
Cyclopentadecane	13.70	6.1	ng	266850	5	13.84	875080	20.0
Octacosane	14.93	3.8	ng	163976	6	15.24	859083	20.0
Hexacosane	15.69	5.2	ng	222429	6	15.24	859083	20.0
Triacontane	16.15	4.2	ng	181011	6	15.24	859083	20.0