LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098881.D
Acq On : 27 Sep 2017 23:52
Operator : SJ/JU
Sample : I5445-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-092617-C

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.122	513	516	527	rBV	113350	121184	2.91%	0.512%
2	5.522	580	584	588	rBV	889813	743286	17.86%	3.141%
3	6.528	751	755	758	rBV	942101	748284	17.98%	3.162%
4	6.681	777	781	784	rBV	912379	792848	19.05%	3.350%
5	6.916	817	821	824	rBV	1041633	852509	20.48%	3.602%
6	7.069	843	847	850	rBV	773161	600209	14.42%	2.536%
7	7.469	911	915	919	rBV	577743	459068	11.03%	1.940%
8	8.198	1035	1039	1042	rBV	1333611	1113844	26.76%	4.707%
9	9.269	1217	1221	1224	rBV	1150562	878273	21.10%	3.711%
10	9.657	1284	1287	1290	rBV	101985	82134	1.97%	0.347%
11	9.951	1333	1337	1341	rBV	1326260	1116789	26.83%	4.719%
12	10.733	1467	1470	1474	rBV	428744	387948	9.32%	1.639%
13	10.845	1486	1489	1494	rBV2	55907	70542	1.70%	0.298%
14	11.439	1586	1590	1593	rBV	1263330	1016280	24.42%	4.295%
15	11.822	1651	1655	1658	rBV	1788404	1365265	32.81%	5.769%
16	11.951	1672	1677	1685	rBV2	86070	108627	2.61%	0.459%
17	12.127	1704	1707	1712	rBV	43277	46632	1.12%	0.197%
18	12.516	1768	1773	1774	rBV	4183991	4161742	100.00%	17.586%
19	12.533	1774	1776	1782	rVV2	4124439	3935414	94.56%	16.630%
20	12.616	1786	1790	1793	rVB	1225380	991227	23.82%	4.189%
21	12.651	1793	1796	1801	rBV	133454	180242	4.33%	0.762%
22	12.851	1825	1830	1833	rBV3	52656	77057	1.85%	0.326%
23	12.880	1833	1835	1839	rVV2	73471	70764	1.70%	0.299%
24	13.022	1855	1859	1862	rBV	903319	724667	17.41%	3.062%
25	13.210	1883	1891	1894	rBV9	52797	122017	2.93%	0.516%
26	13.263	1898	1900	1905	rVB2	88182	79629	1.91%	0.336%
27	13.339	1910	1913	1915	rBV	132564	108493	2.61%	0.458%
28	13.445	1928	1931	1936	rBV5	58213	82346	1.98%	0.348%
29	13.498	1938	1940	1943	rVB3	45621	45269	1.09%	0.191%
30	13.769	1980	1986	1989	rVB4	118333	171917	4.13%	0.726%
31	13.910	2007	2010	2018	rVB2	81383	104560	2.51%	0.442%
32	14.004	2023	2026	2029	rBV	142107	125797	3.02%	0.532%
33	14.080	2034	2039	2042	rVV	1003940	954210	22.93%	4.032%
34	14.104	2042	2043	2051	rVB	53944	53922	1.30%	0.228%

LSC Area Percent Report

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Sample : I5445-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-092617-C

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.227	2062	2064	2070	rVB3	51113	51589	1.24%	0.218%
36	14.533	2113	2116	2121	rBV2	73272	88714	2.13%	0.375%
37	14.845	2167	2169	2173	rVB	53041	51242	1.23%	0.217%
38	15.127	2215	2217	2220	rBV	41847	44879	1.08%	0.190%
39	15.192	2225	2228	2231	rBV	89345	97970	2.35%	0.414%
40	15.574	2288	2293	2304	rVB	515281	743218	17.86%	3.141%
41	16.033	2367	2371	2375	rBV2	68680	93807	2.25%	0.396%

Sum of corrected areas: 23664414

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
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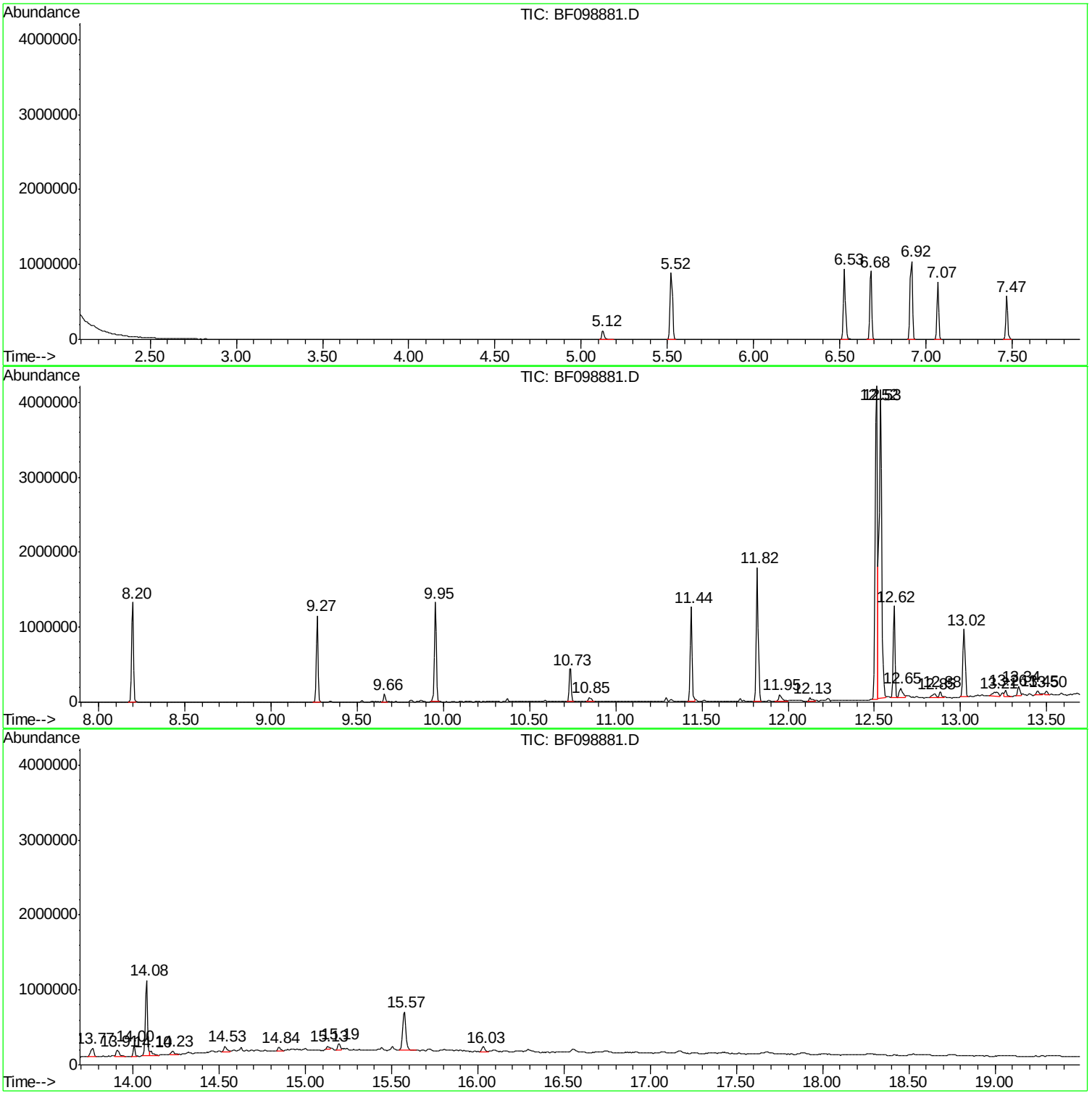
Operator : SJ/JU
Sample : I5445-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-092617-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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\BF092717\
Data File : BF098881.D
Acq On : 27 Sep 2017 23:52
Operator : SJ/JU
Sample : I5445-07 5X
Misc :
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Instrument : BNA_F
ClientSampleId : AU-05-092617-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

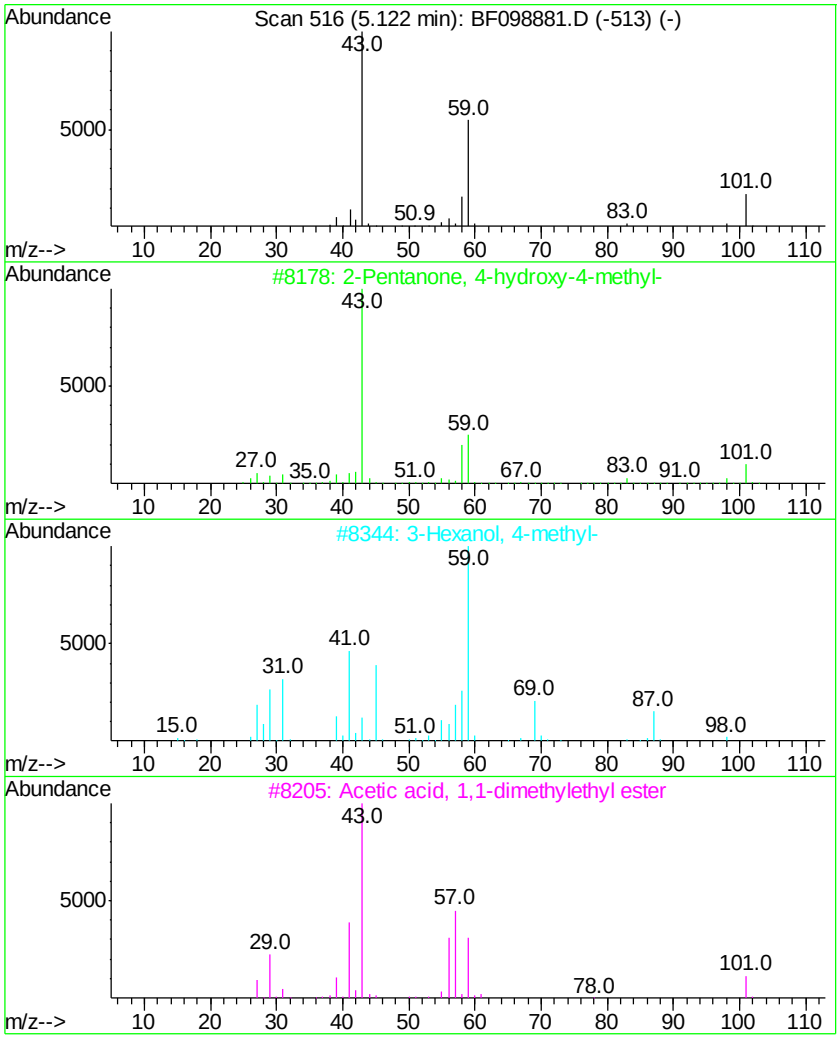
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

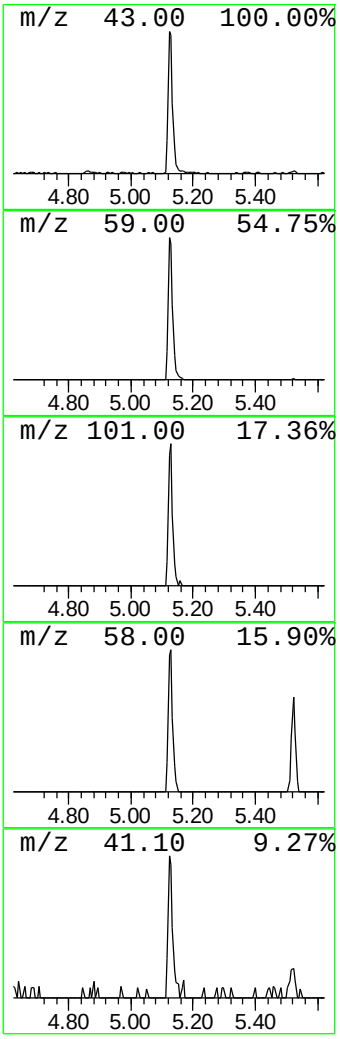
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	2.84 ng	121184	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10





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Instrument : BNA_F
ClientSampleId : AU-05-092617-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

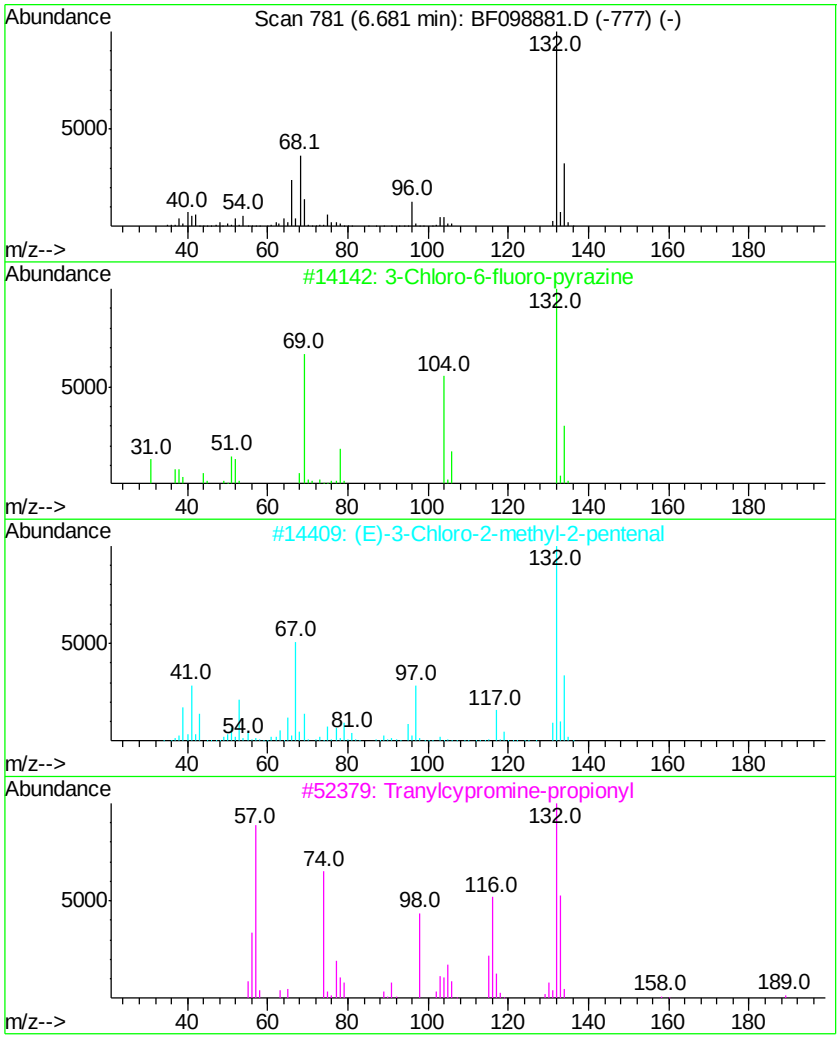
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

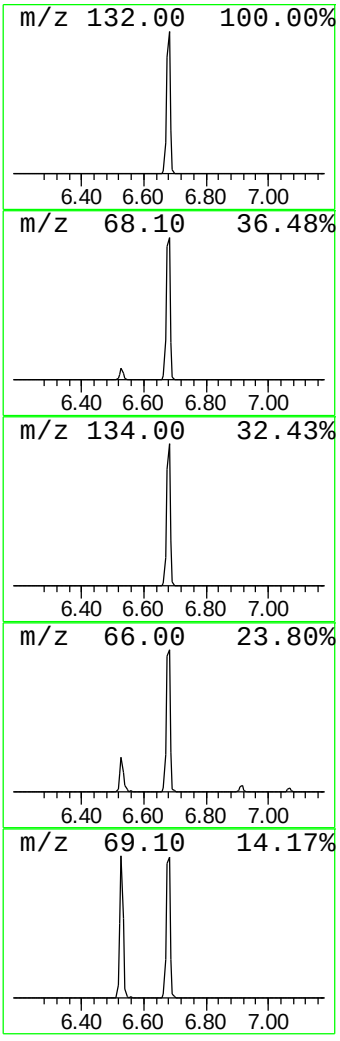
****

Peak Number 2 unknown6.68 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	18.60 ng	792848	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





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Sample : I5445-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-092617-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

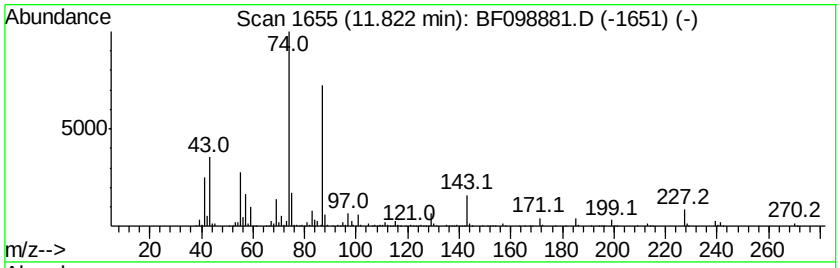
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

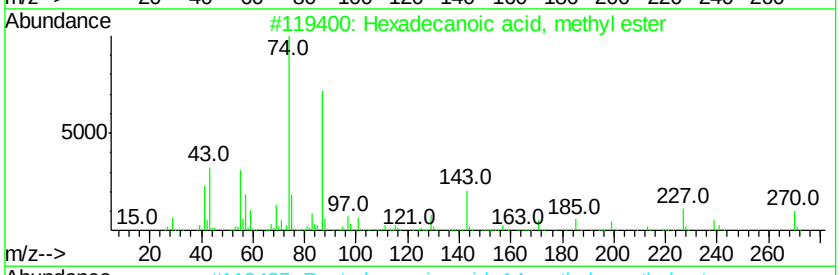
****

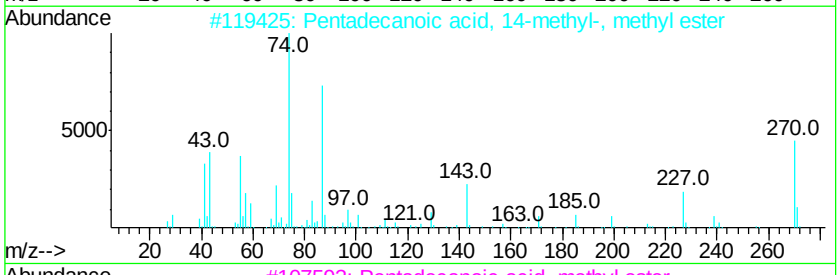
Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 3

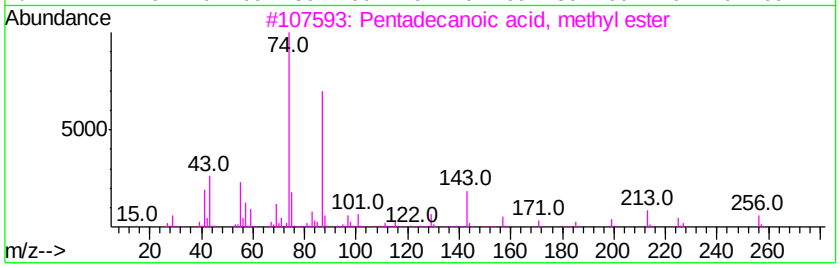
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	26.87 ng	1365270	Phenanthrene-d10	11.44

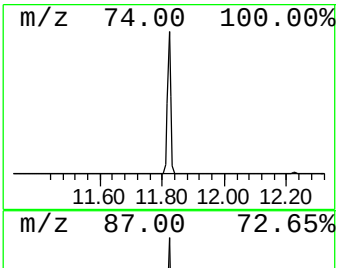
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	94
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
4	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	86
5	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	86

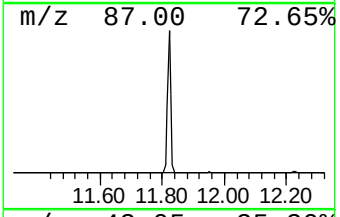


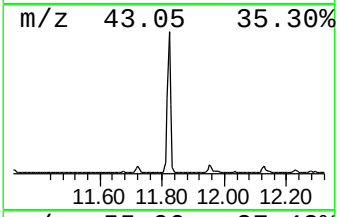


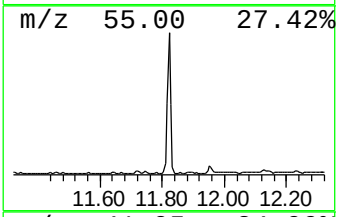


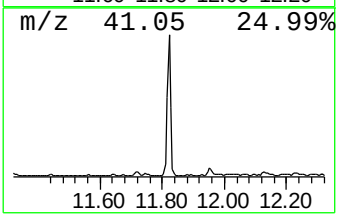












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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-092617-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

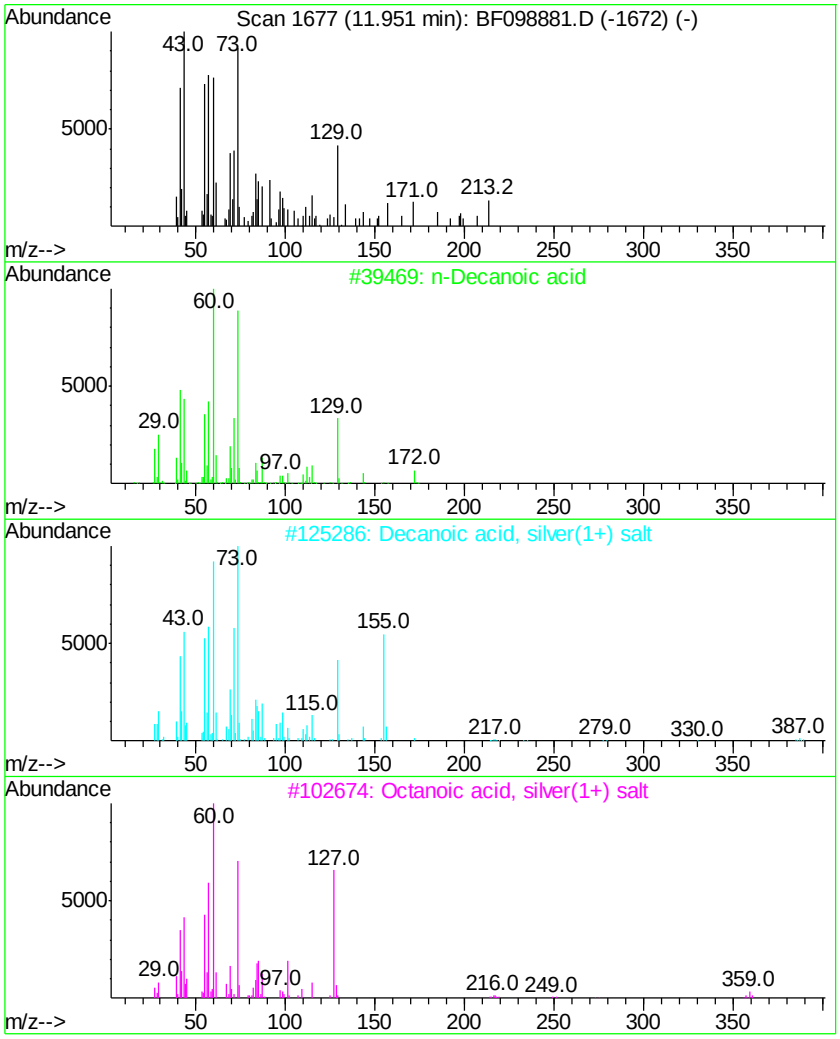
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

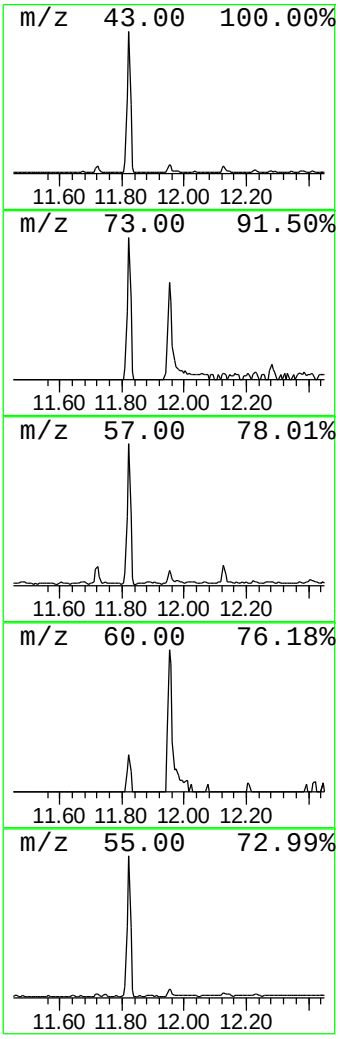
****

Peak Number 5 n-Decanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.14 ng	108627	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	64
2	Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	64
3	Octanoic acid, silver(1+) salt	250	C8H15AgO2	024927-67-1	27
4	Tetradecane	198	C14H30	000629-59-4	15
5	Decane	142	C10H22	000124-18-5	11





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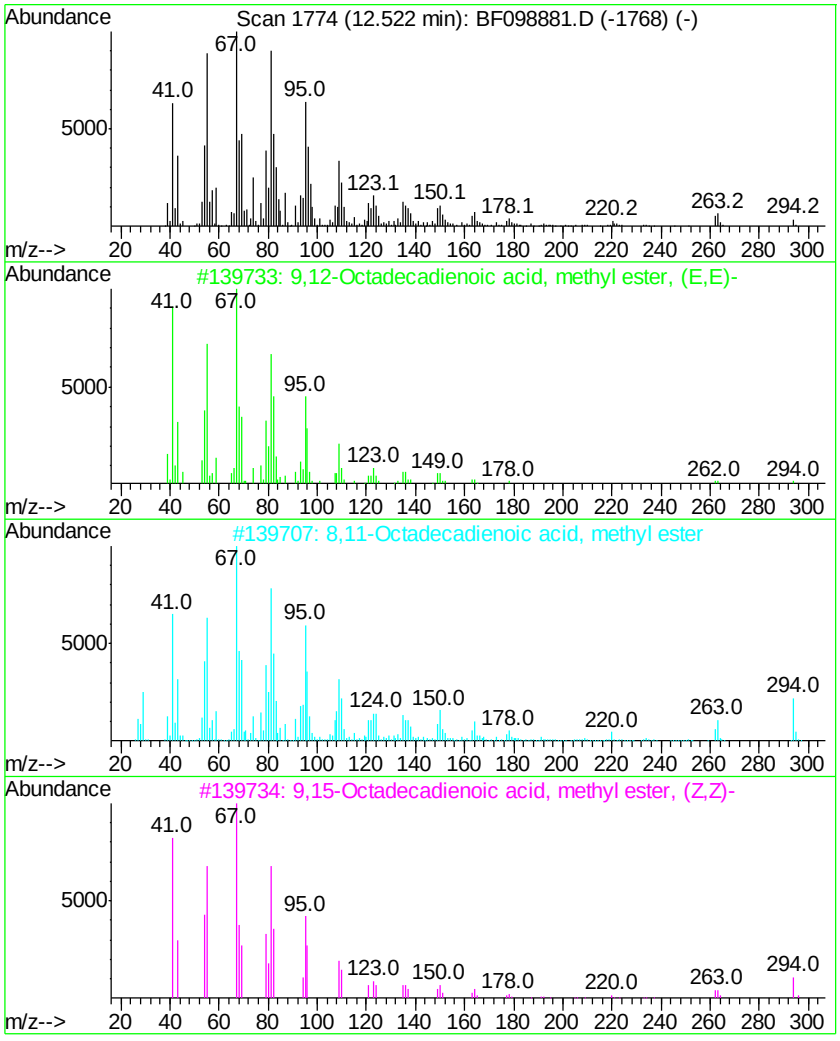
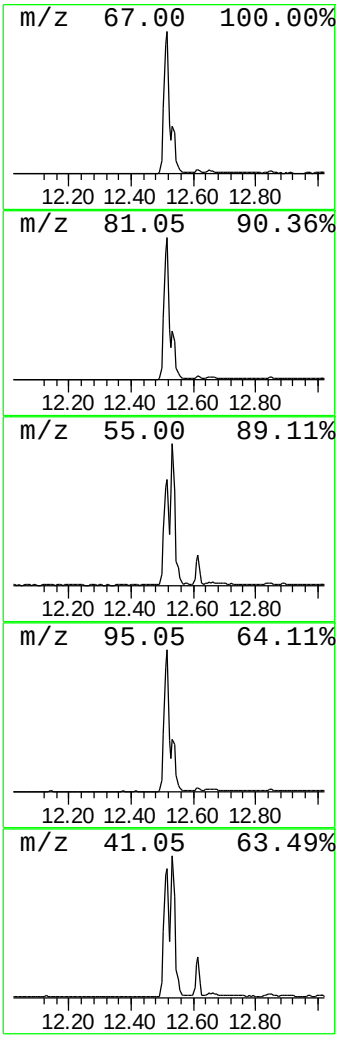
****

Peak Number 6 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	81.90 ng	4161740	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99





Library Search Compound Report

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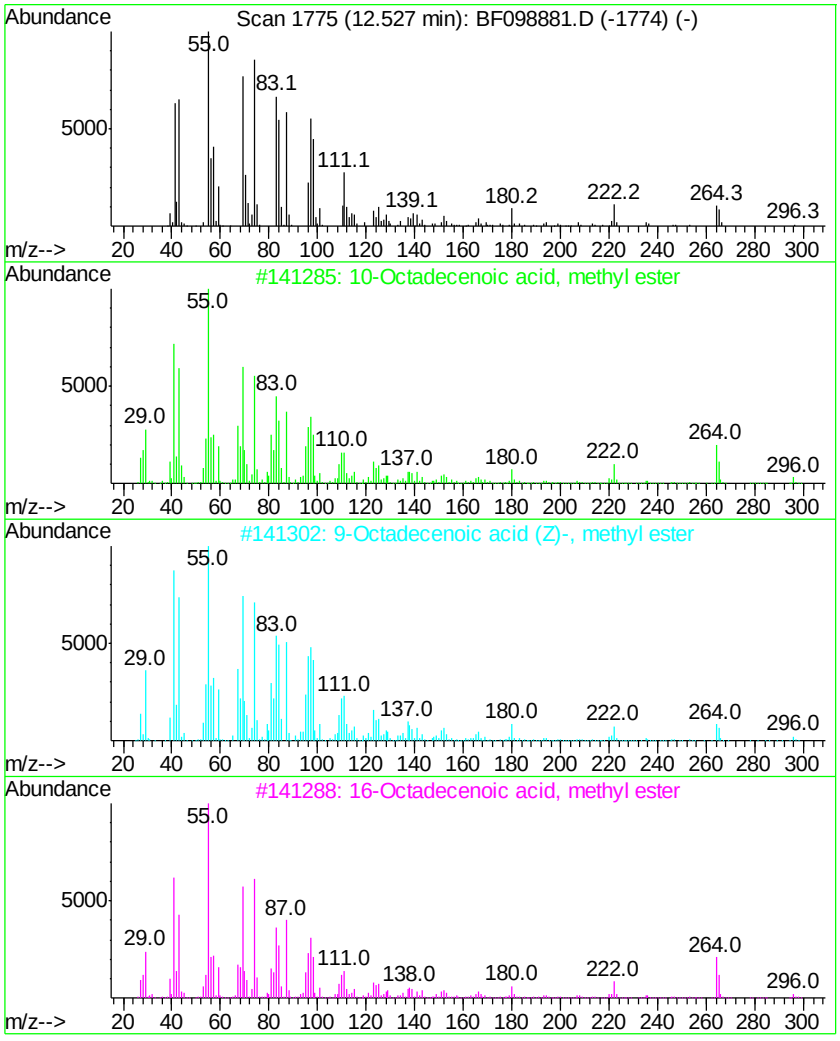
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

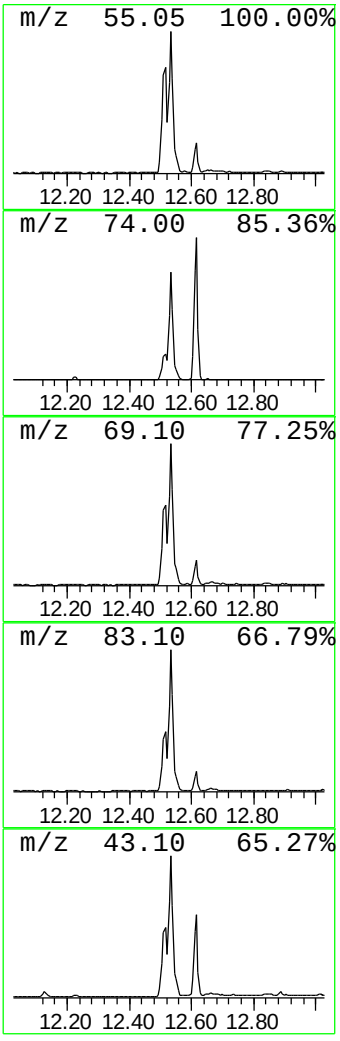
****

Peak Number 7 10-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	77.45 ng	3935410	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	96
2	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	93
3	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	91
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	91
5	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	91





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Data File : BF098881.D
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Operator : SJ/JU
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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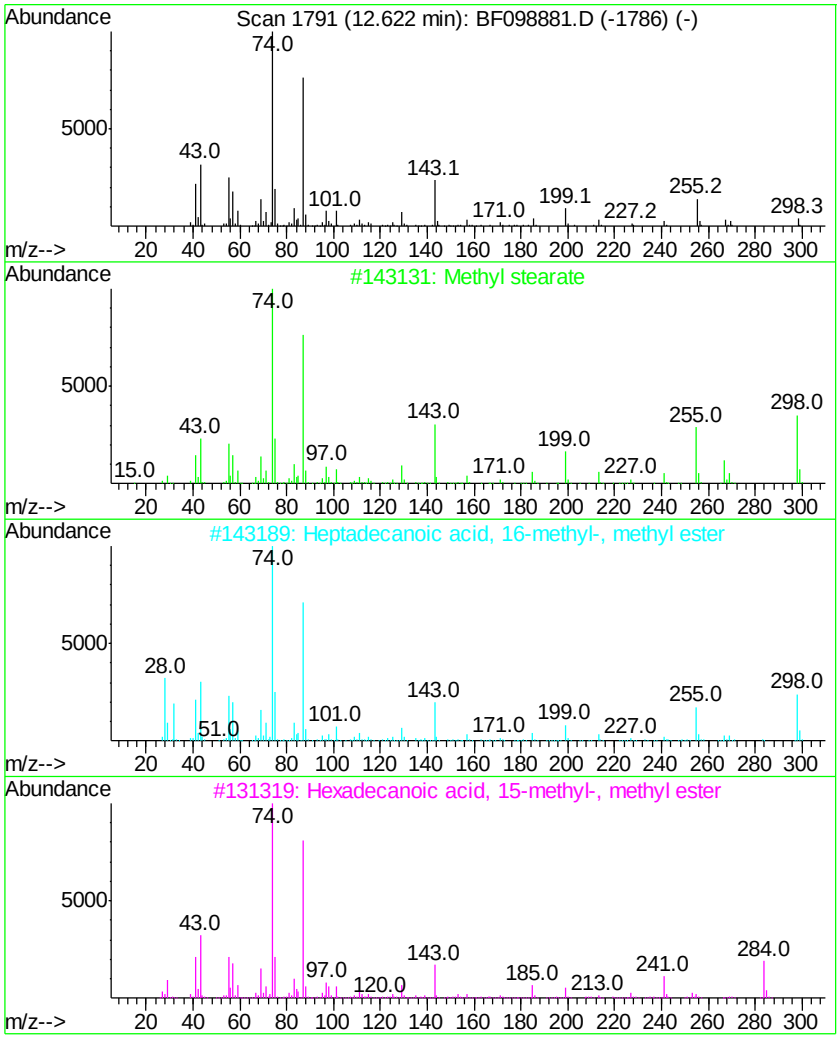
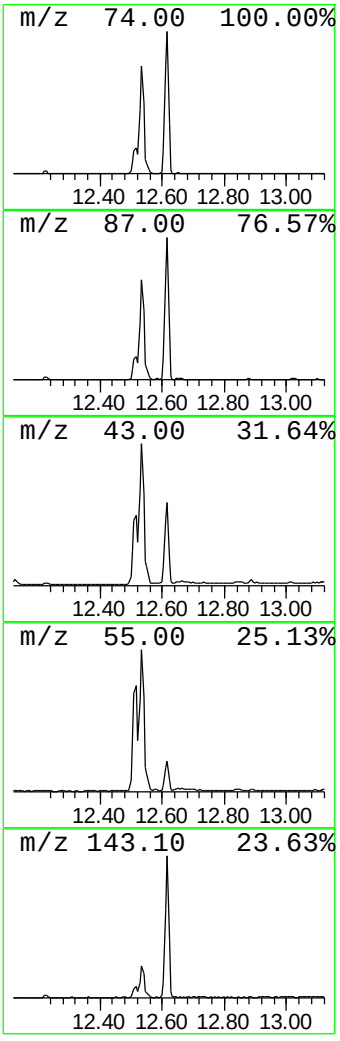
****

Peak Number 8 Methyl stearate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	19.51 ng	991227	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	90
3	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	90
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098881.D
Acq On : 27 Sep 2017 23:52
Operator : SJ/JU
Sample : I5445-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-092617-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

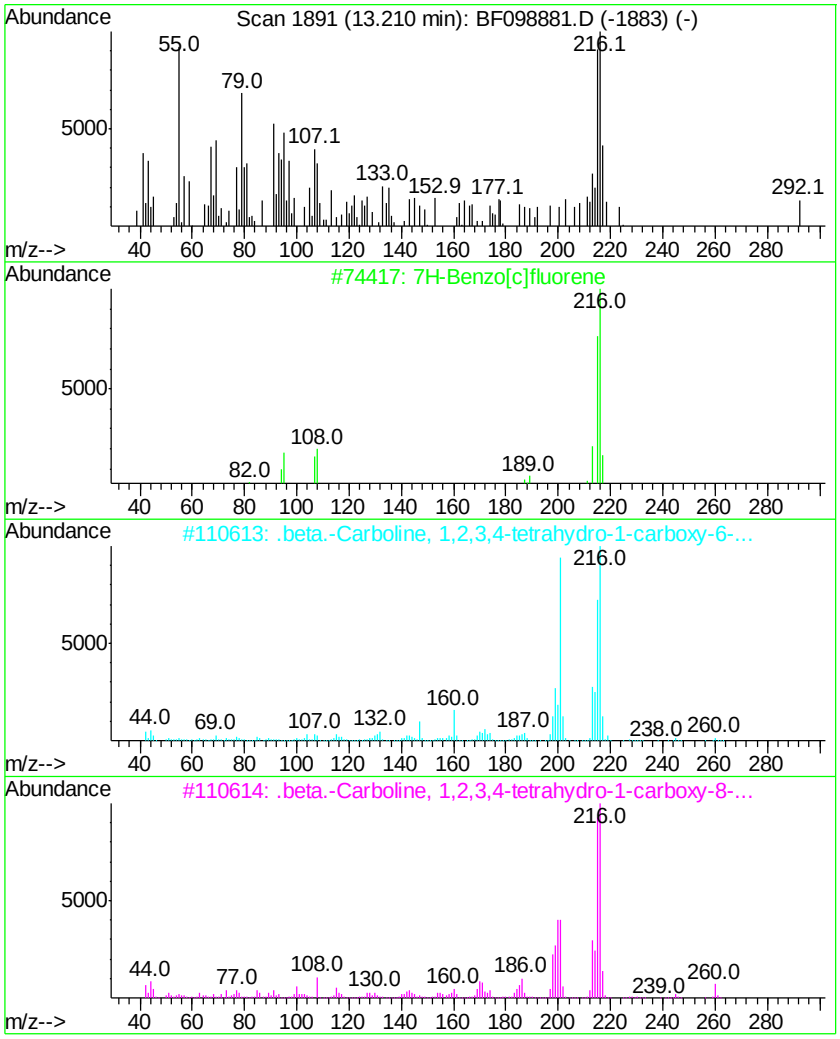
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

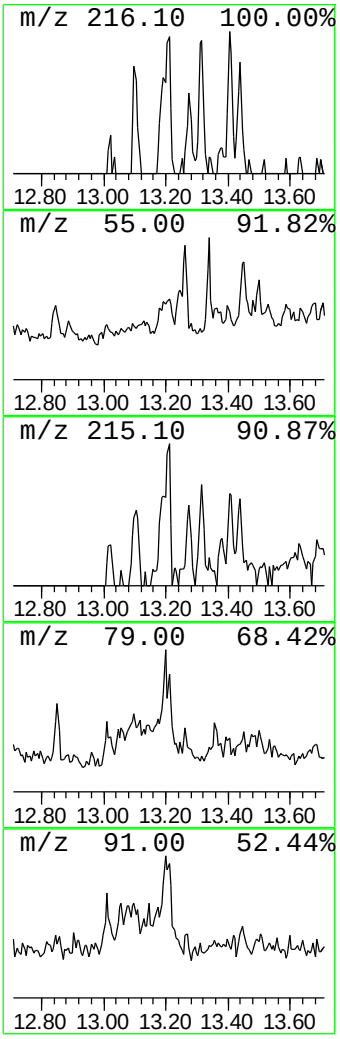
****

Peak Number 10 7H-Benzo[c]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	2.56 ng	122017	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	53
2	.beta.-Carboline, 1,2,3,4-tetrah...	260	C14H16N2O3	029573-11-3	47
3	.beta.-Carboline, 1,2,3,4-tetrah...	260	C14H16N2O3	1000124-14-2	47
4	3-Pyridinamine, 6-chloro-N-(phen...	216	C12H9ClN2	005325-71-3	43
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	43





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Sample : I5445-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-092617-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

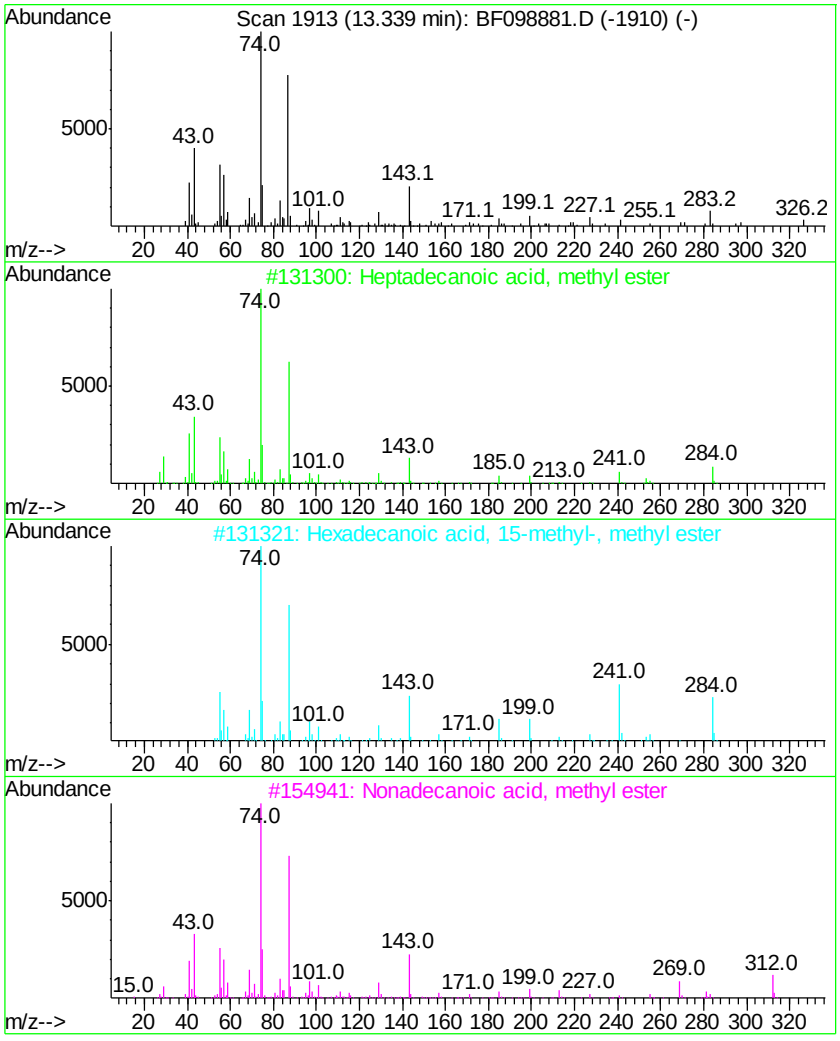
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

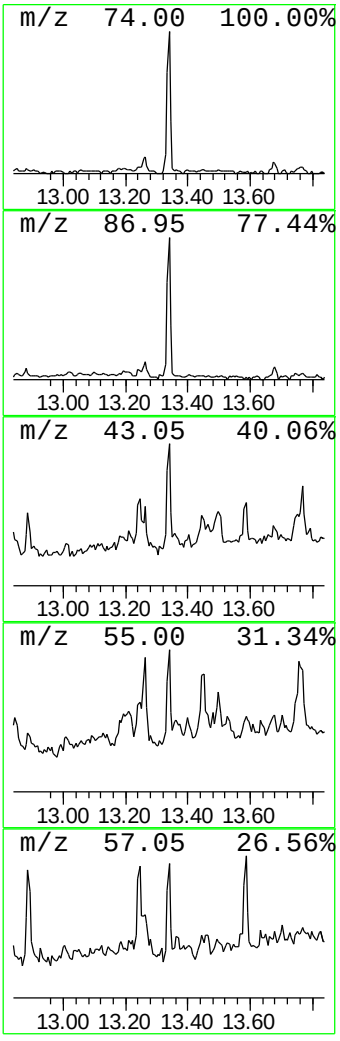
****

Peak Number 11 Heptadecanoic acid, methyl ... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.27 ng	108493	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	95
2	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	94
3	Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	90
4	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	87
5	Methyl stearate	298	C19H38O2	000112-61-8	87





Library Search Compound Report

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Operator : SJ/JU
Sample : I5445-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-092617-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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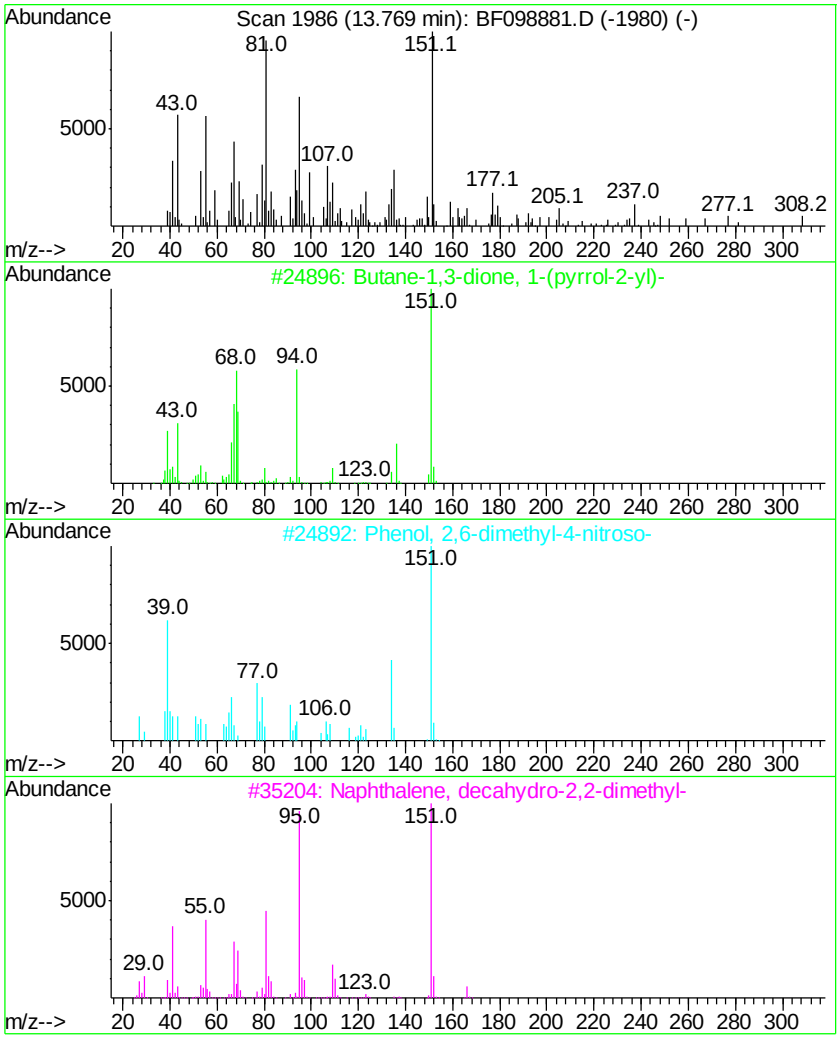
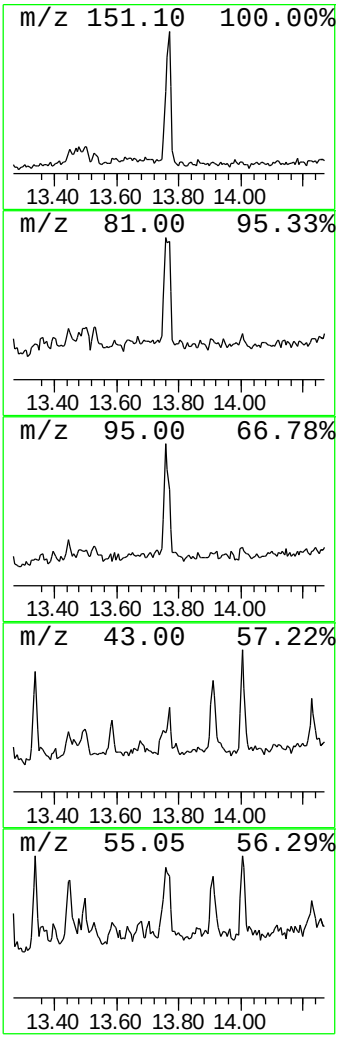
Peak Number 12 unknown13.77 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	3.60 ng	171917	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane-1,3-dione, 1-(pyrrol-2-yl)-	151	C8H9NO2	022441-25-4	38
2	Phenol, 2,6-dimethyl-4-nitroso-	151	C8H9NO2	013331-93-6	27
3	Naphthalene, decahydro-2,2-dimet...	166	C12H22	031124-85-3	25
4	1,4 Benzodioxan-6-amine	151	C8H9NO2	022013-33-8	14
5	Cyclohexene,3-(2-propenyl)-	122	C9H14	015232-95-8	11





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Operator : SJ/JU
Sample : I5445-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-092617-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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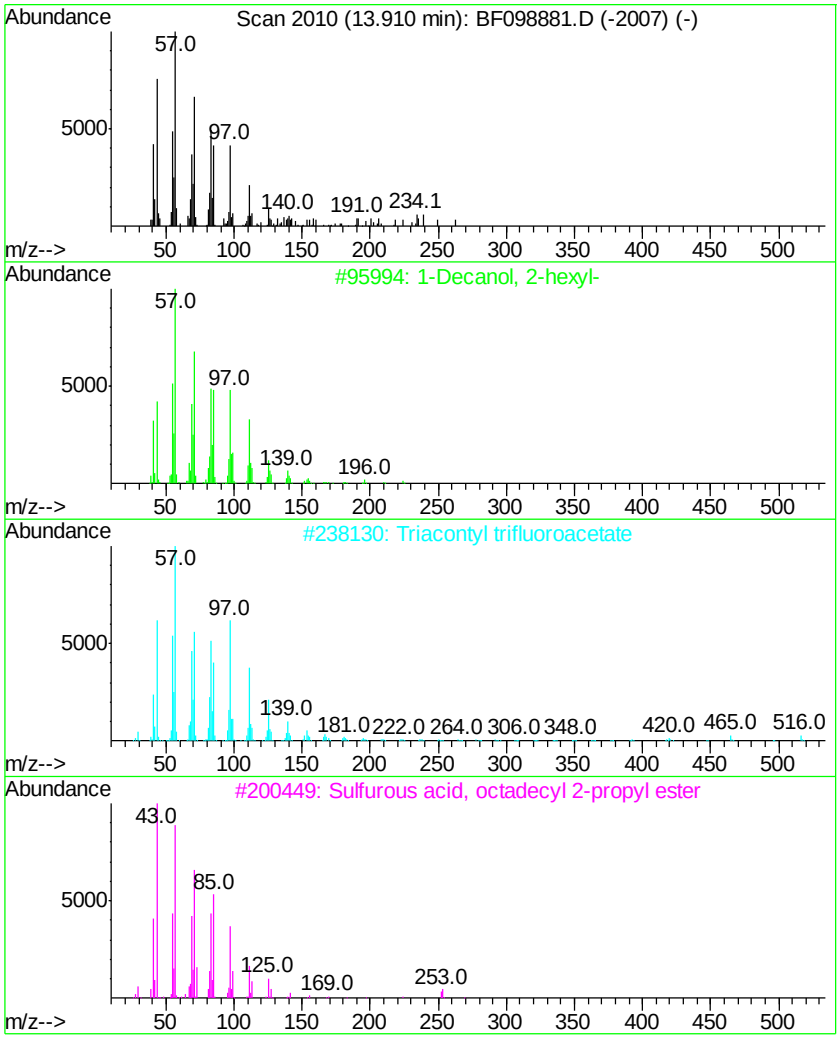
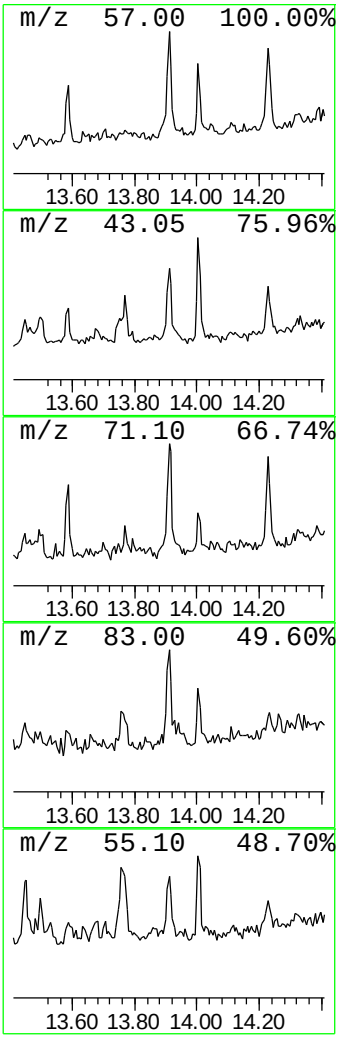
Peak Number 13 1-Decanol, 2-hexyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	2.19 ng	104560	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	80
2	Triacontyl trifluoroacetate	534	C32H61F3O2	1000351-75-7	80
3	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	58
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	58
5	E-15-Heptadecenal	252	C17H32O	1000130-97-9	55





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Operator : SJ/JU
Sample : I5445-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-092617-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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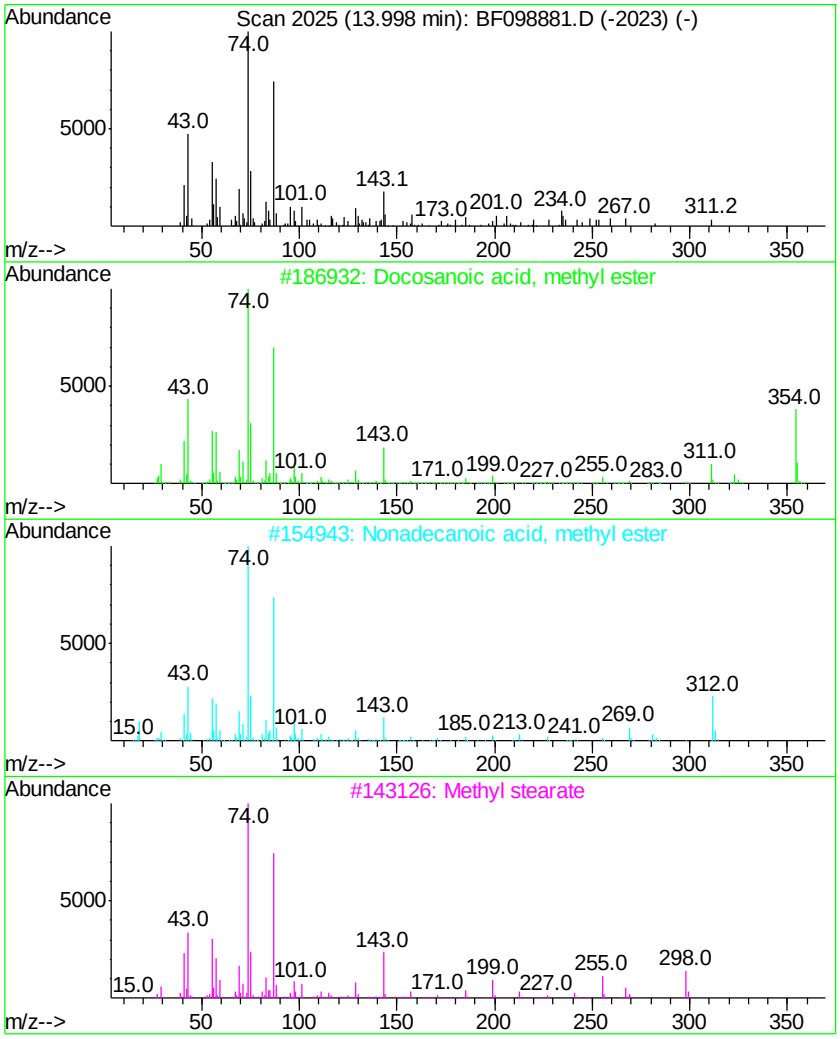
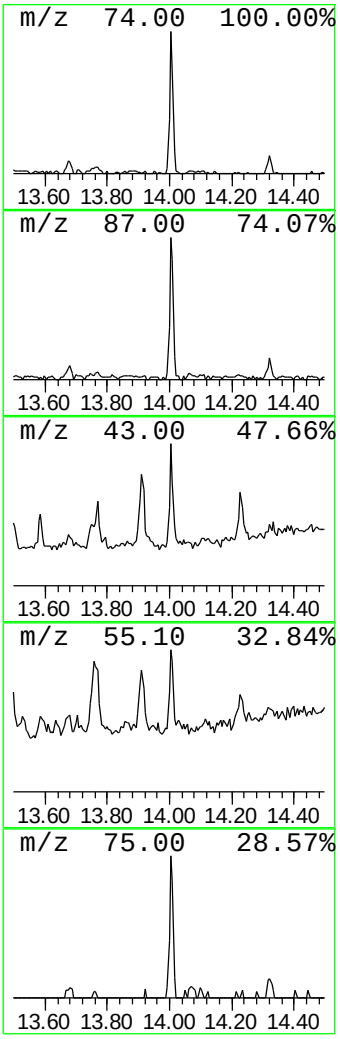
Peak Number 14 Docosanoic acid, methyl ester Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	2.64 ng	125797	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosanoic acid, methyl ester	354	C23H46O2	000929-77-1	98
2	Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	94
3	Methyl stearate	298	C19H38O2	000112-61-8	91
4	Heneicosanoic acid, methyl ester	340	C22H44O2	006064-90-0	87
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86





Library Search Compound Report

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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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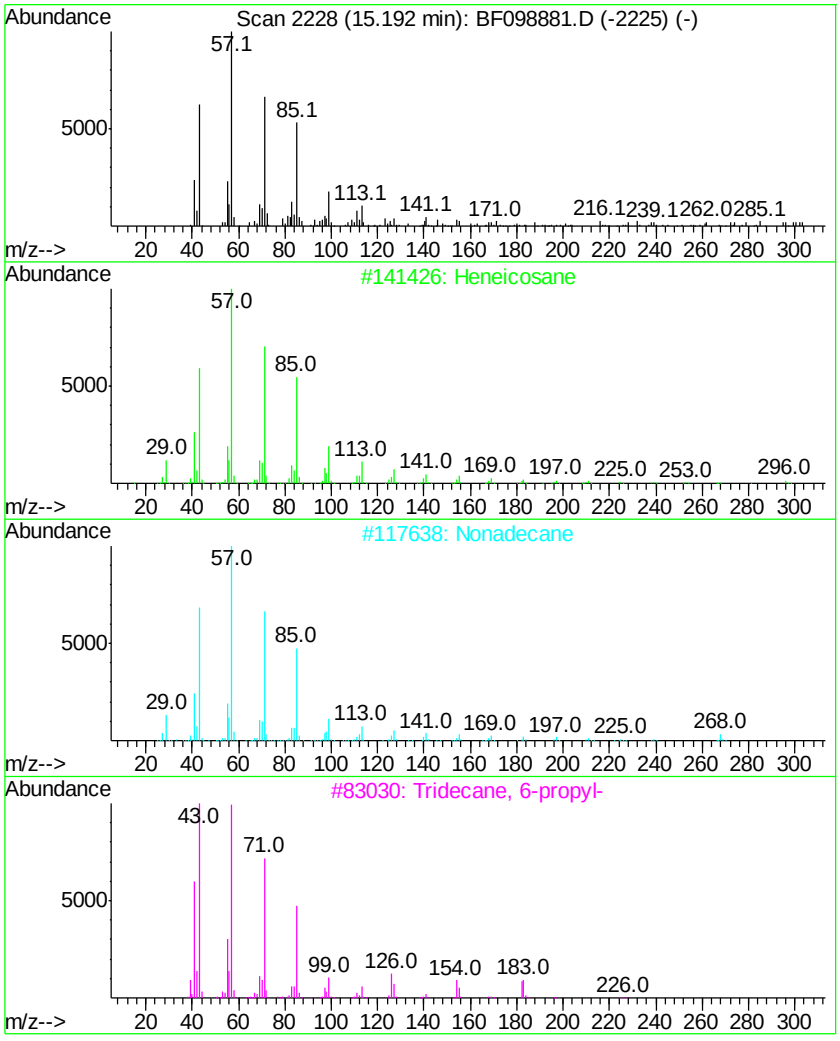
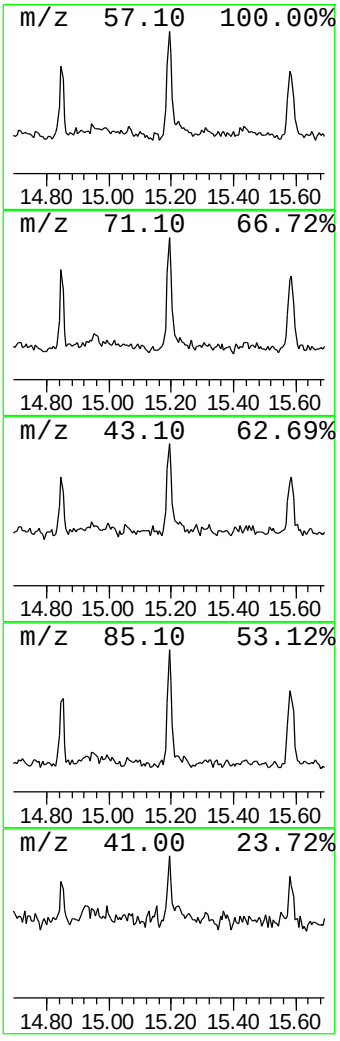
Peak Number 15 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	2.64 ng	97970	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	93
2	Nonadecane	268	C19H40	000629-92-5	90
3	Tridecane, 6-propyl-	226	C16H34	055045-10-8	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	68





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-092617-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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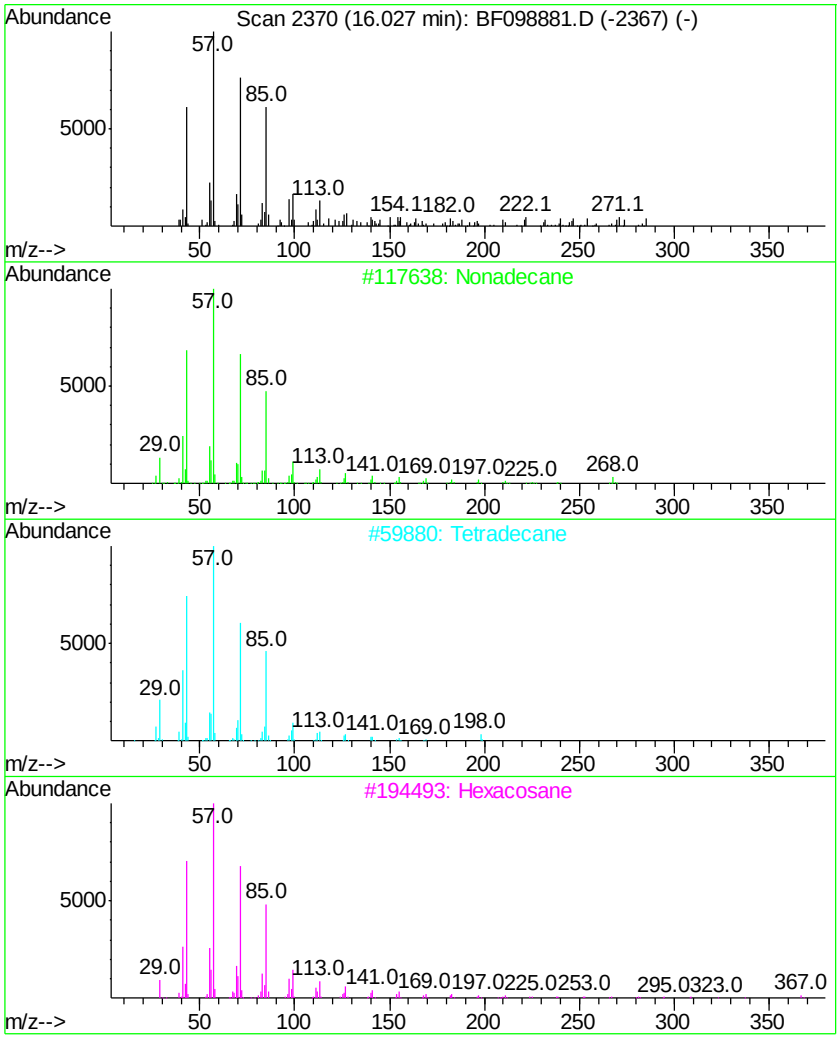
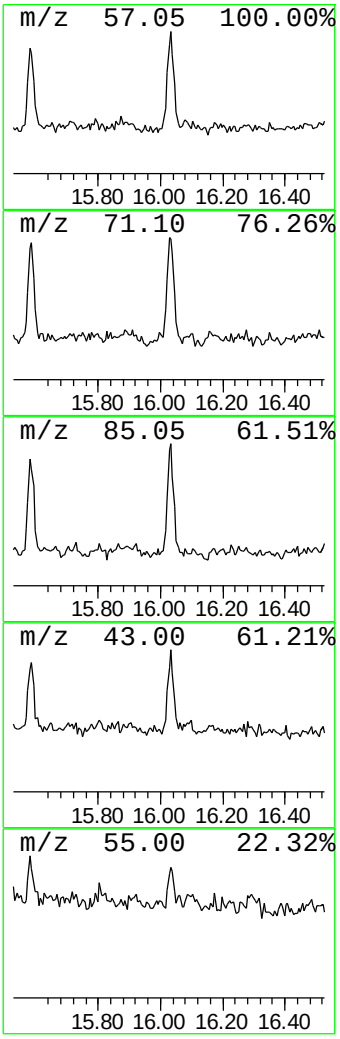
Peak Number 16 Nonadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	2.52 ng	93807	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Tetradecane	198	C14H30	000629-59-4	86
3	Hexacosane	366	C26H54	000630-01-3	81
4	Hentriacontane	437	C31H64	000630-04-6	74
5	2-methyloctacosane	408	C29H60	1000376-72-8	74





Tentatively Identified Compound (LSC) summary

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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...	5.12	2.8	ng	121184	1	6.92	852509	20.0
unknown6.68	6.68	18.6	ng	792848	1	6.92	852509	20.0
Hexadecanoic acid...	11.82	26.9	ng	1365270	4	11.44	1016280	20.0
n-Decanoic acid	11.95	2.1	ng	108627	4	11.44	1016280	20.0
9,12-Octadecadien...	12.52	81.9	ng	4161740	4	11.44	1016280	20.0
10-Octadecenoic a...	12.53	77.5	ng	3935410	4	11.44	1016280	20.0
Methyl stearate	12.62	19.5	ng	991227	4	11.44	1016280	20.0
7H-Benzo[c]fluorene	13.21	2.6	ng	122017	5	14.08	954210	20.0
Heptadecanoic aci...	13.34	2.3	ng	108493	5	14.08	954210	20.0
unknown13.77	13.77	3.6	ng	171917	5	14.08	954210	20.0
1-Decanol, 2-hexyl-	13.91	2.2	ng	104560	5	14.08	954210	20.0
Docosanoic acid, ...	14.00	2.6	ng	125797	5	14.08	954210	20.0
Heneicosane	15.19	2.6	ng	97970	6	15.57	743218	20.0
Nonadecane	16.03	2.5	ng	93807	6	15.57	743218	20.0