LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098964.D
Acq On : 30 Sep 2017 15:55
Operator : SJ/JU
Sample : I5487-10 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-092717-D

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	2.199	16	19	49	rVB4	65838	211326	15.52%	1.350%
2	5.128	514	517	526	rVB	114842	111420	8.18%	0.712%
3	5.522	580	584	593	rBV	787334	685069	50.31%	4.377%
4	6.528	751	755	767	rBV	844512	688047	50.53%	4.396%
5	6.675	777	780	784	rBV	817358	724020	53.17%	4.626%
6	6.910	817	820	824	rBV	911147	832332	61.13%	5.318%
7	7.069	843	847	850	rBV	669815	562707	41.33%	3.595%
8	7.469	911	915	919	rBV	515354	424259	31.16%	2.711%
9	8.192	1034	1038	1042	rBV	1195706	1096597	80.54%	7.006%
10	9.263	1216	1220	1231	rBV	890585	830247	60.98%	5.304%
11	9.657	1284	1287	1295	rVB	102427	90740	6.66%	0.580%
12	9.810	1310	1313	1316	rVB	25248	20313	1.49%	0.130%
13	9.869	1316	1323	1328	rBV2	22515	27383	2.01%	0.175%
14	9.951	1333	1337	1346	rVB	1278681	1109264	81.47%	7.087%
15	10.369	1401	1408	1411	rBV2	45876	54739	4.02%	0.350%
16	10.586	1440	1445	1448	rBV2	17563	26109	1.92%	0.167%
17	10.733	1467	1470	1477	rBV	378378	342383	25.15%	2.187%
18	10.839	1486	1488	1498	rBV	63893	84365	6.20%	0.539%
19	11.039	1518	1522	1526	rBV5	14915	23836	1.75%	0.152%
20	11.292	1562	1565	1567	rBV	82338	65230	4.79%	0.417%
21	11.322	1567	1570	1576	rVB3	30092	41051	3.01%	0.262%
22	11.439	1586	1590	1592	rBV	1021739	905716	66.52%	5.786%
23	11.463	1592	1594	1597	rVB	67484	56247	4.13%	0.359%
24	11.716	1634	1637	1640	rBV	52572	40541	2.98%	0.259%
25	11.822	1651	1655	1658	rBV	803184	687872	50.52%	4.395%
26	11.939	1672	1675	1677	rBV	23916	24619	1.81%	0.157%
27	11.969	1677	1680	1683	rVB	25432	24760	1.82%	0.158%
28	12.045	1690	1693	1696	rBV2	28123	28836	2.12%	0.184%
29	12.122	1704	1706	1712	rVB	39955	40231	2.95%	0.257%
30	12.227	1720	1724	1727	rBV4	20011	27623	2.03%	0.176%
31	12.504	1768	1771	1773	rBV	1527228	1361582	100.00%	8.699%
32	12.527	1773	1775	1778	rVB	1713617	1286703	94.50%	8.221%
33	12.610	1786	1789	1793	rVB	437309	331994	24.38%	2.121%
34	12.651	1793	1796	1798	rBV	95142	79723	5.86%	0.509%

LSC Area Percent Report

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Acq On : 30 Sep 2017 15:55
Operator : SJ/JU
Sample : I5487-10 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-092717-D

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	12.880	1832	1835	1841	rVB	133769	131874	9.69%	0.843%
36	13.016	1855	1858	1862	rBV	625919	500849	36.78%	3.200%
37	13.092	1867	1871	1878	rBV7	30690	67464	4.95%	0.431%
38	13.204	1883	1890	1894	rBV6	58176	101532	7.46%	0.649%
39	13.239	1894	1896	1898	rBV	35153	34767	2.55%	0.222%
40	13.310	1905	1908	1910	rBV	25578	25697	1.89%	0.164%
41	13.333	1910	1912	1914	rVV	30497	25705	1.89%	0.164%
42	13.357	1914	1916	1921	rVV5	35587	51824	3.81%	0.331%
43	13.398	1921	1923	1927	rVV2	50865	54022	3.97%	0.345%
44	13.498	1937	1940	1943	rBV4	21171	24637	1.81%	0.157%
45	13.580	1952	1954	1958	rBV2	25690	29424	2.16%	0.188%
46	13.763	1981	1985	1991	rVB4	57444	86027	6.32%	0.550%
47	13.910	2007	2010	2012	rBV	31337	30295	2.22%	0.194%
48	14.004	2023	2026	2031	rBV3	37880	52375	3.85%	0.335%
49	14.074	2034	2038	2041	rBV	761256	729845	53.60%	4.663%
50	15.574	2288	2293	2302	rVB	552326	758142	55.68%	4.844%

Sum of corrected areas: 15652363

LSC Report - Integrated Chromatogram

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Misc :
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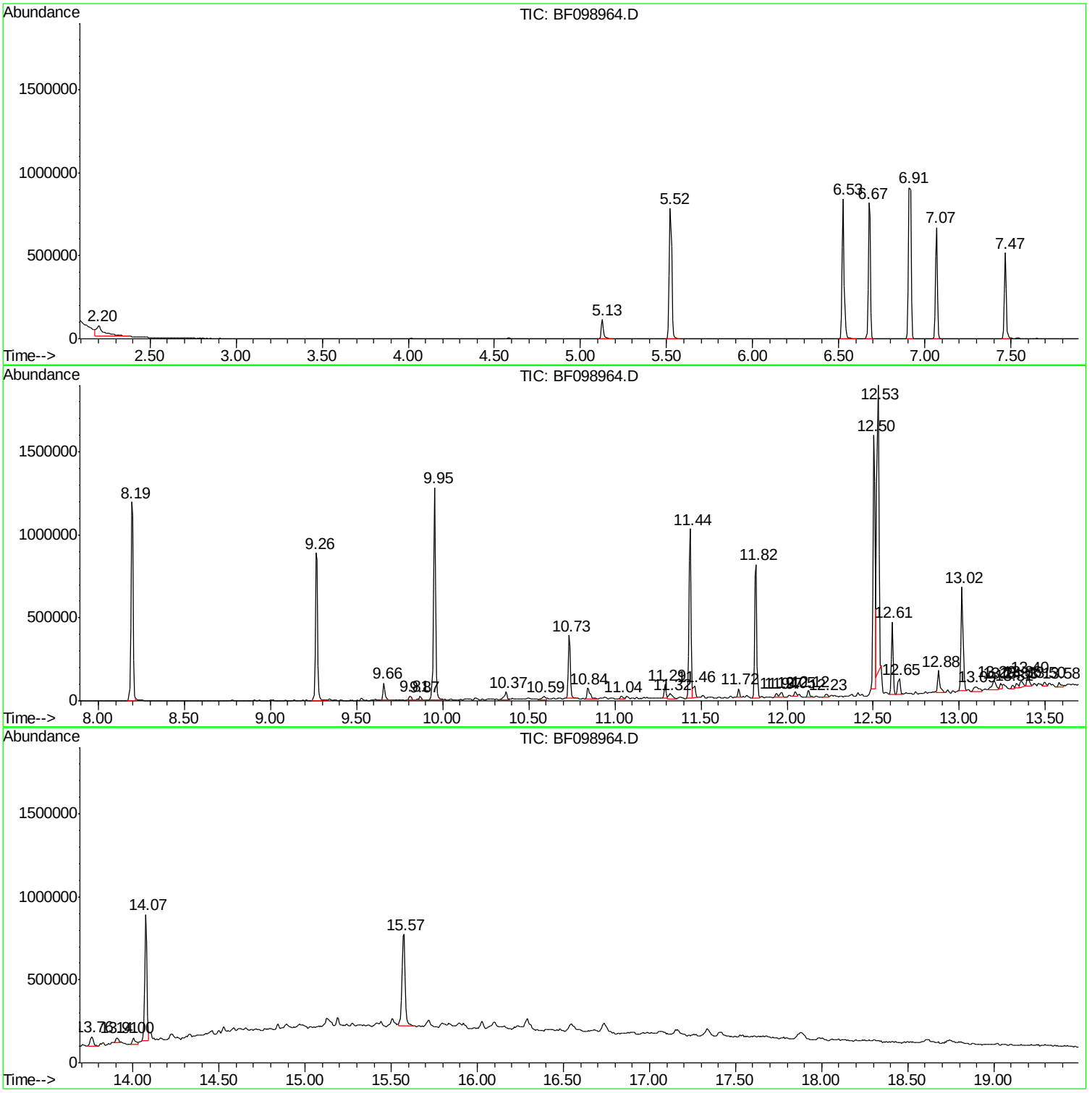
Instrument : BNA_F
ClientSampleId : CL-02-092717-D

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\BF093017\
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Operator : SJ/JU
Sample : I5487-10 5X
Misc :
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Instrument : BNA_F
ClientSampleId : CL-02-092717-D

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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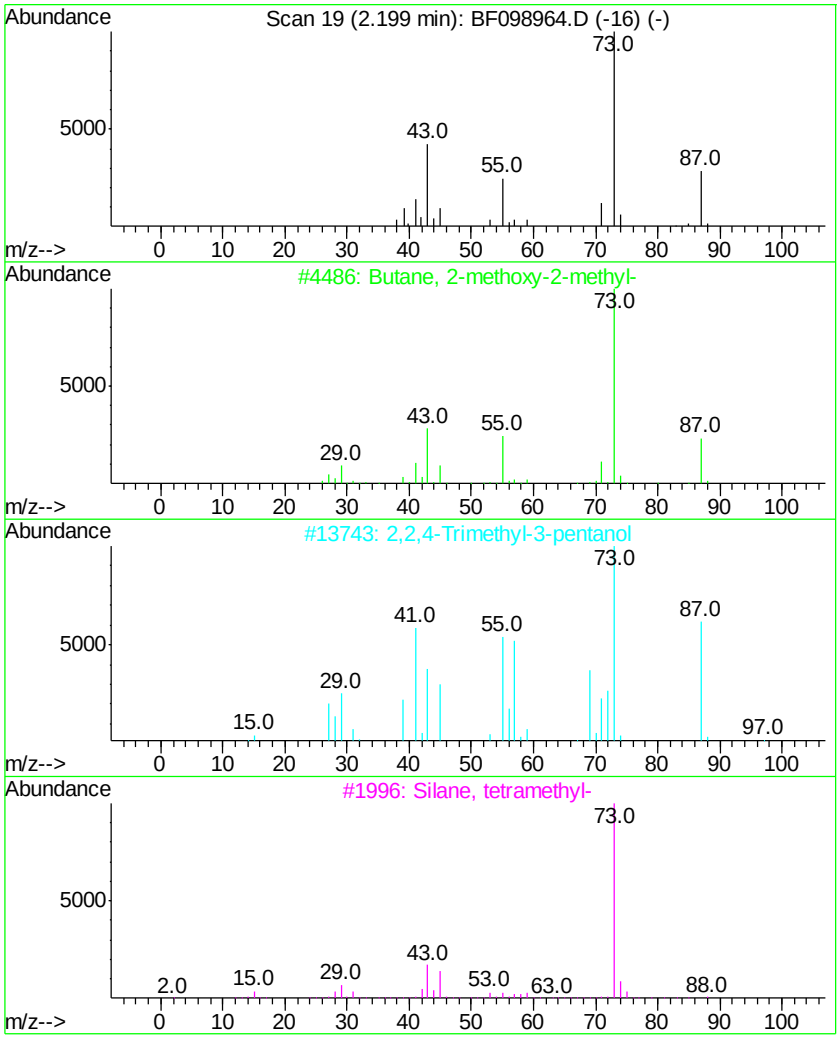
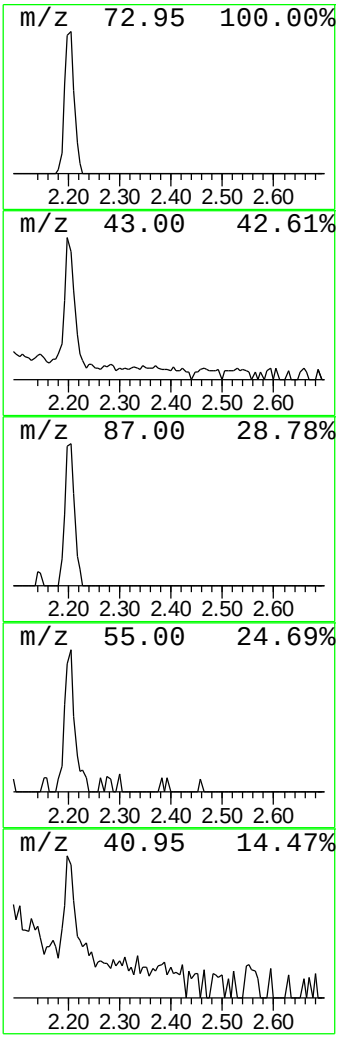
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.20	5.08 ng	211326	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	32
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10





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Instrument : BNA_F
ClientSampleId : CL-02-092717-D

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

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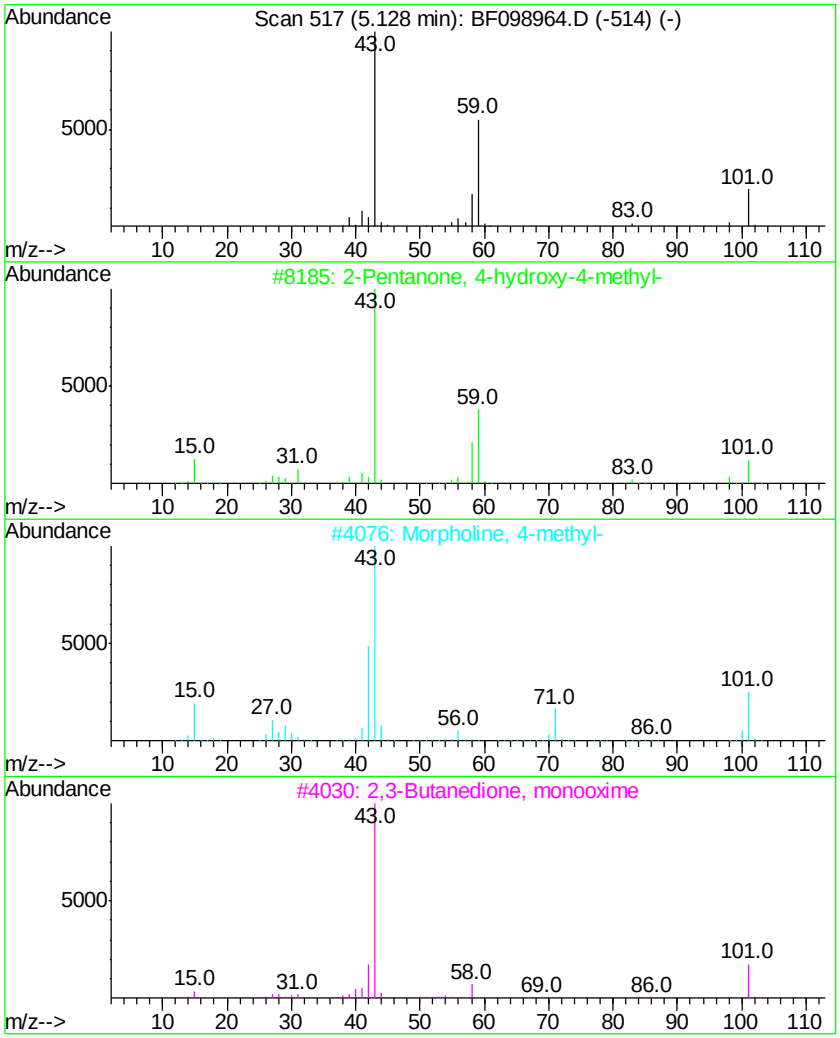
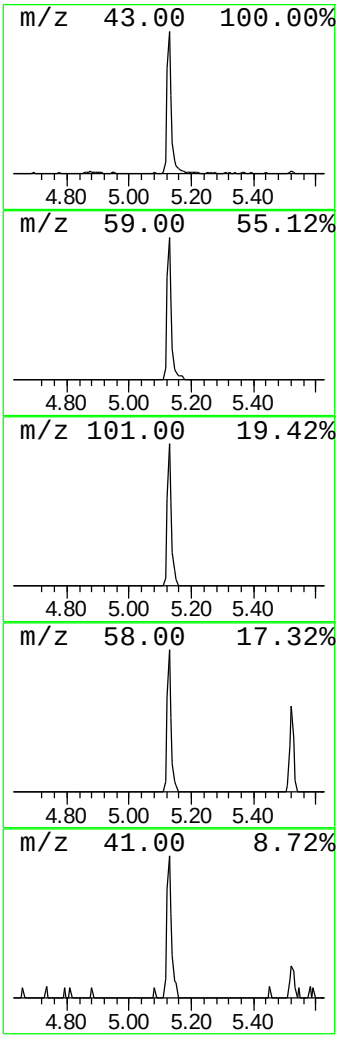
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	2.68 ng	111420	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	53
2	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
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Operator : SJ/JU
Sample : I5487-10 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-092717-D

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

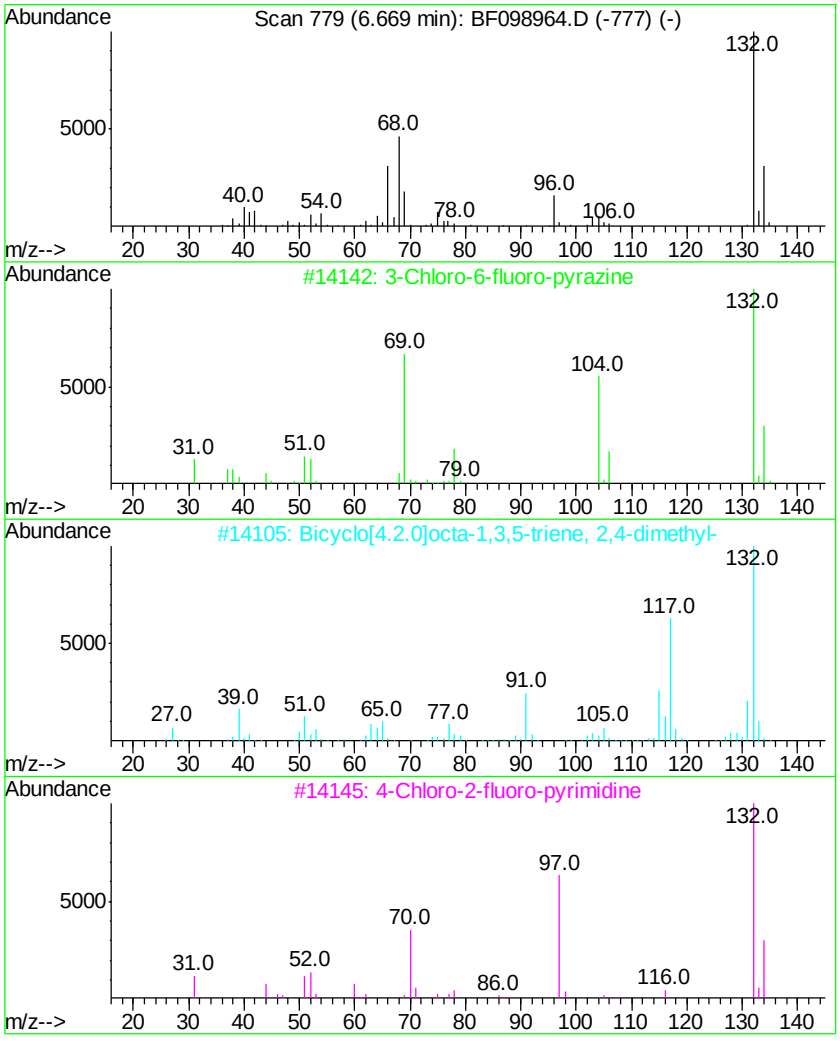
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

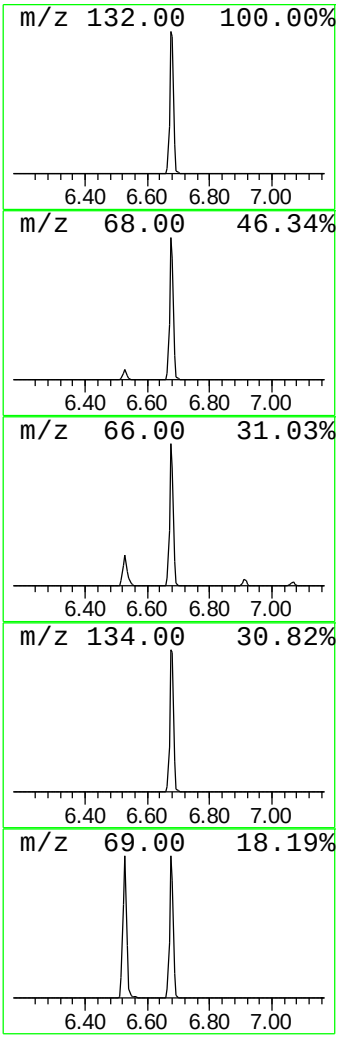
****

Peak Number 3 unknown6.67 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	17.40 ng	724020	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	27
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Sample : I5487-10 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-092717-D

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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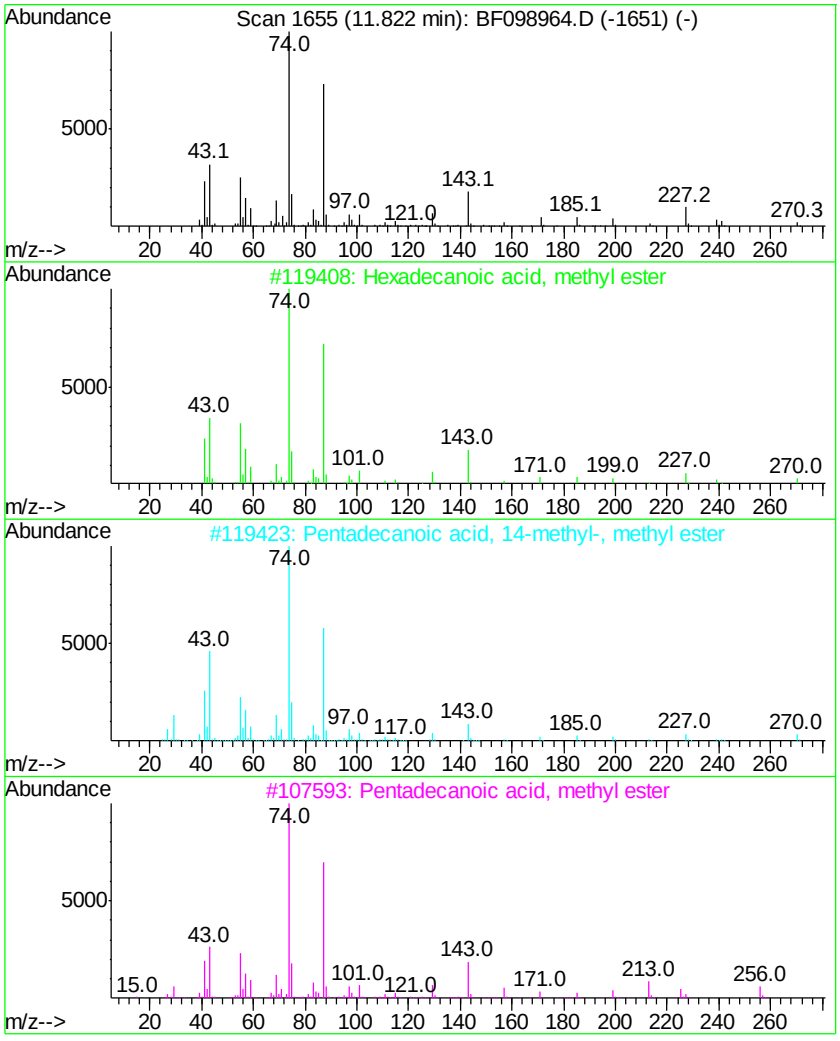
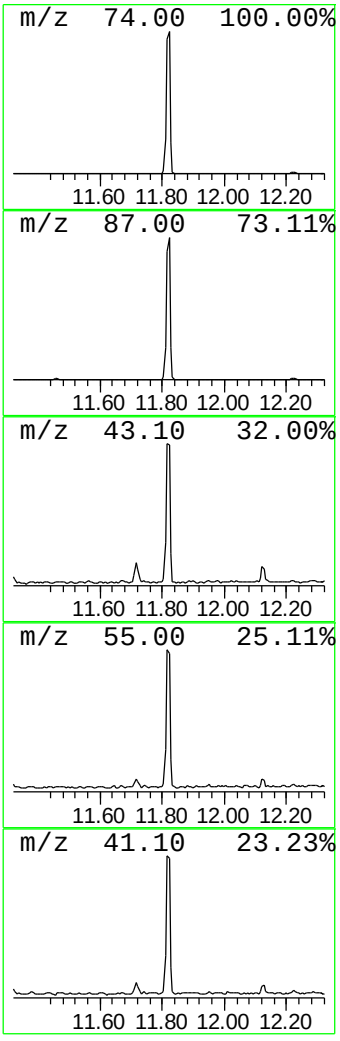
Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	15.19 ng	687872	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	87
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	81
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80





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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
TIC Integration Parameters: LSCINT.P

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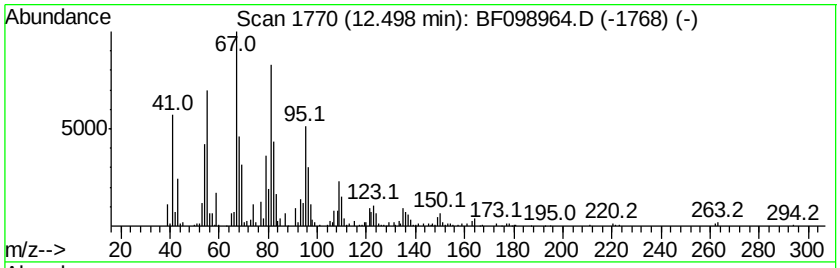
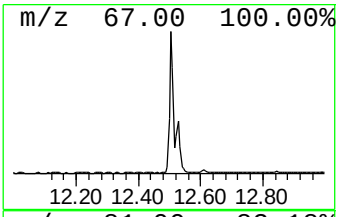
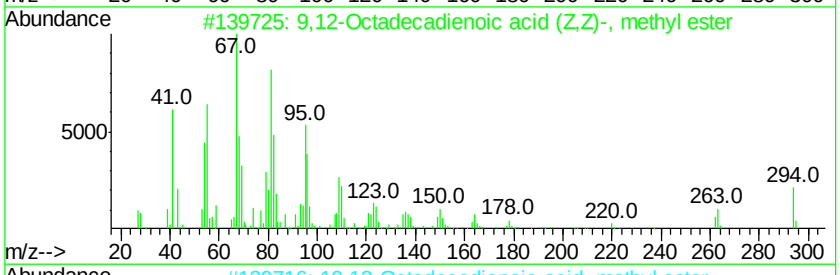
Peak Number 6 9,12-Octadecadienoic acid (... Concentration Rank 1

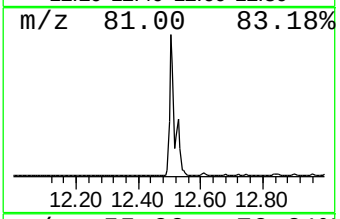
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	30.07 ng	1361580	Phenanthrene-d10	11.44

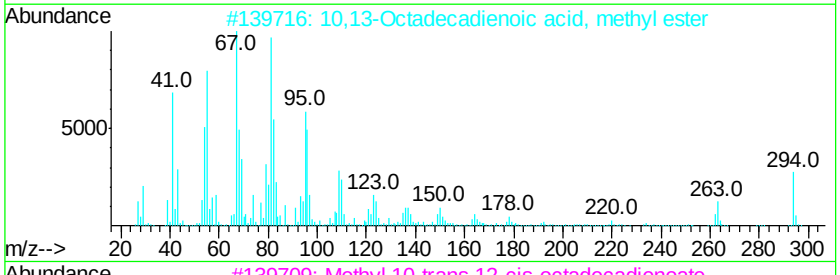
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	99
4	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
5	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	97

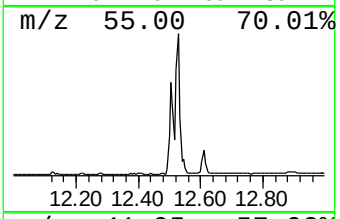


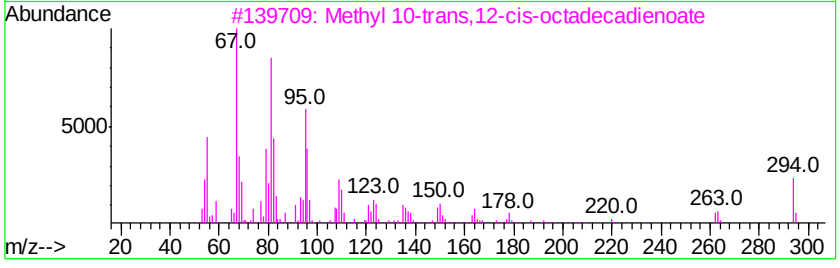


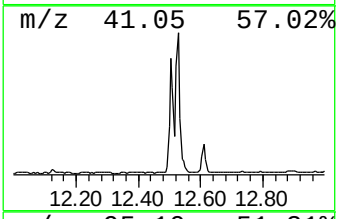


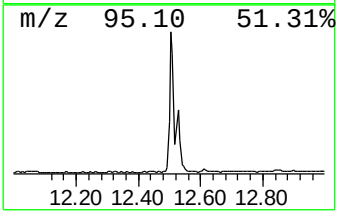












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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

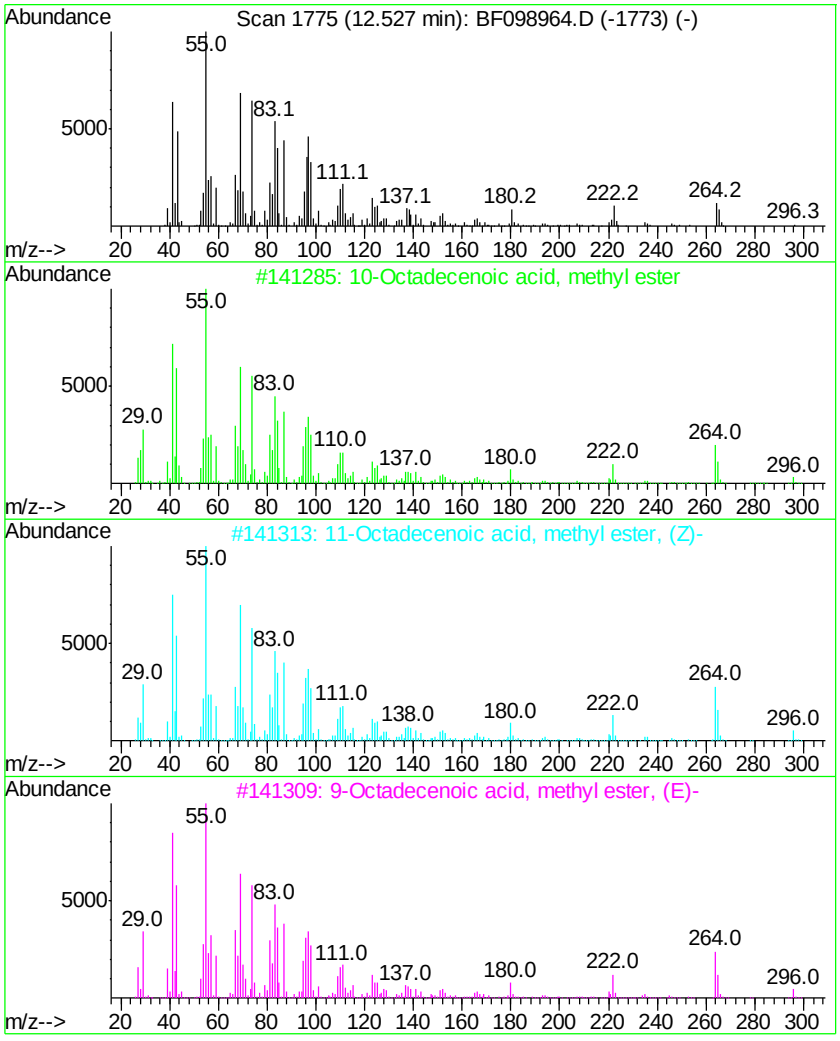
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

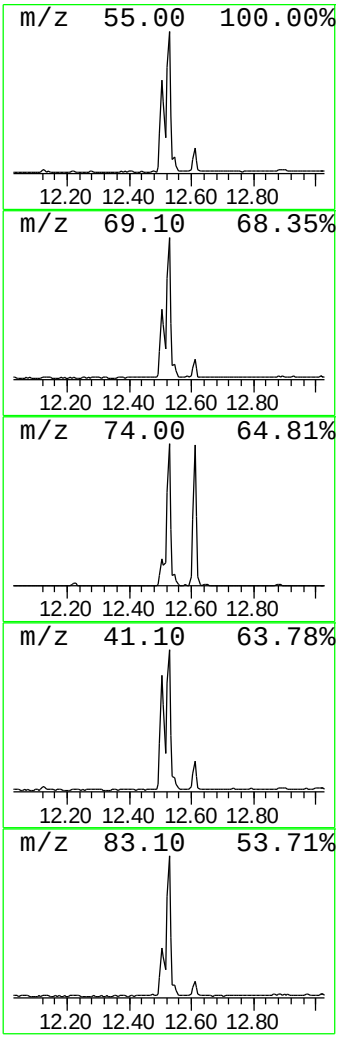
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	28.41 ng	1286700	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
2	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
3	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
4	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
5	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	98





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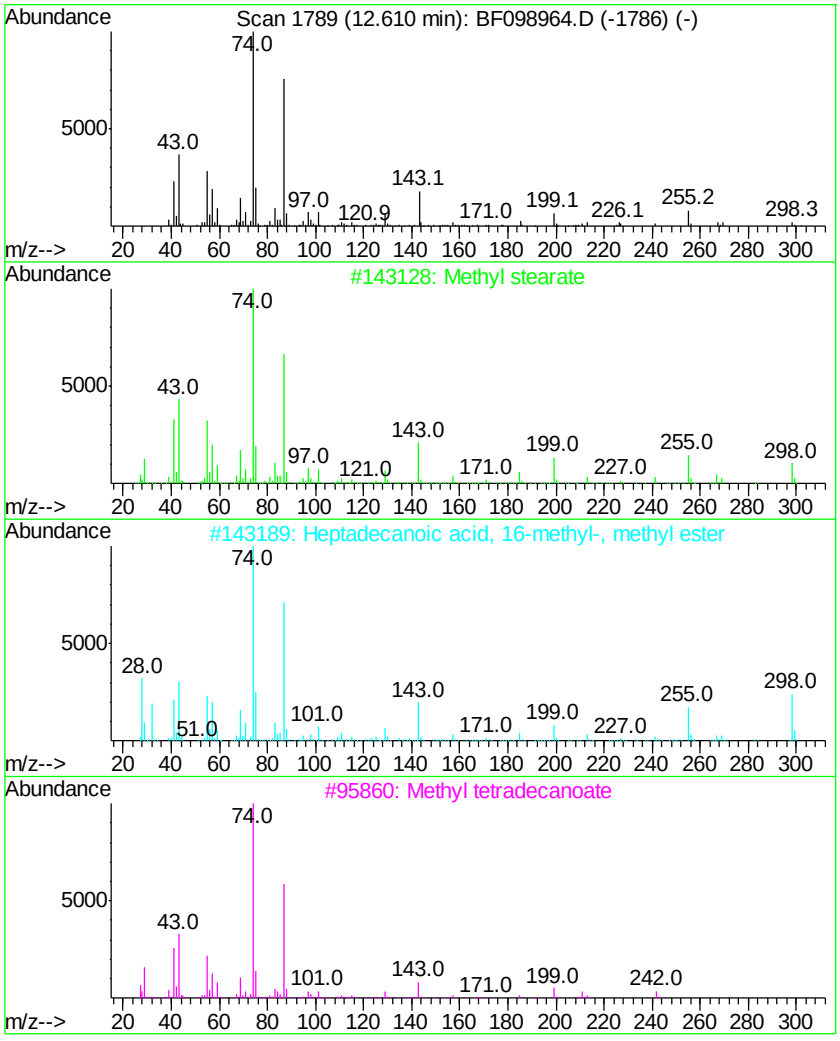
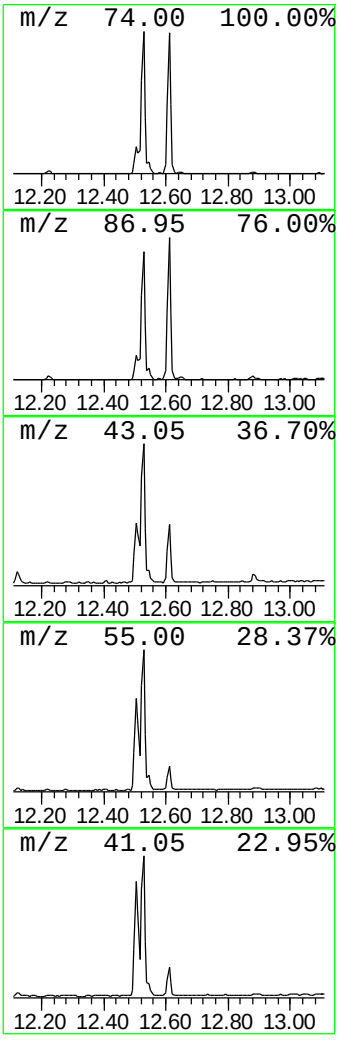
****

Peak Number 8 Methyl stearate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	7.33 ng	331994	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	94
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
4	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	91
5	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91





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Data File : BF098964.D
Acq On : 30 Sep 2017 15:55
Operator : SJ/JU
Sample : I5487-10 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-092717-D

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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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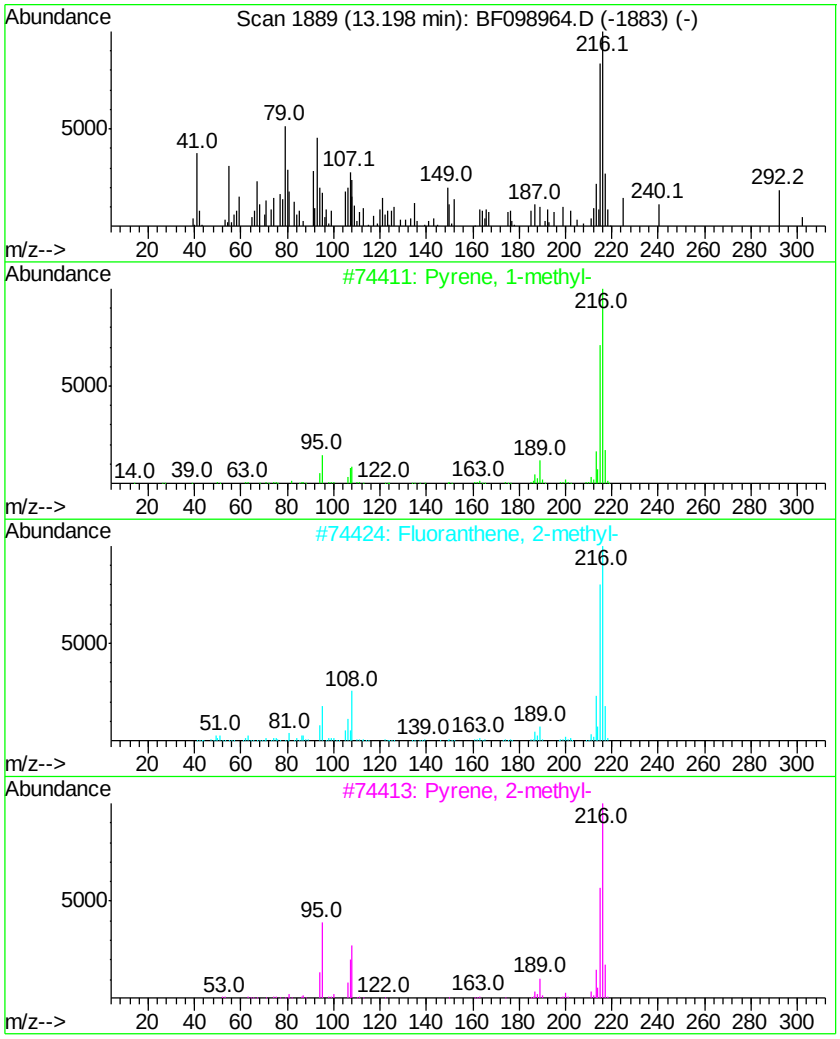
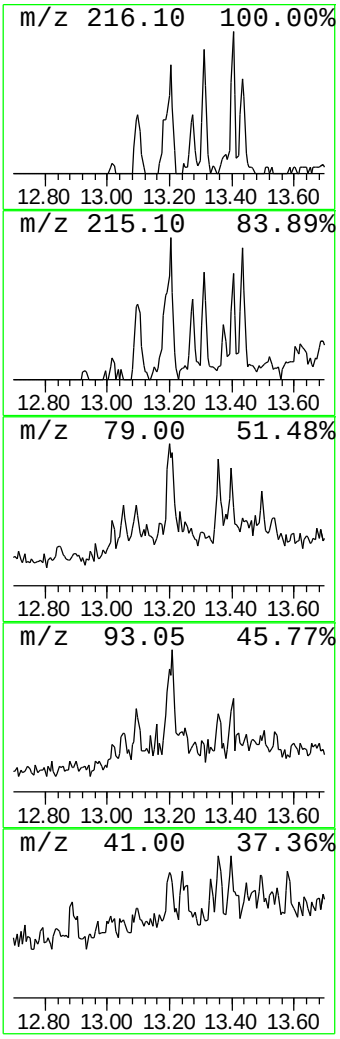
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.78 ng	101532	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098964.D
Acq On : 30 Sep 2017 15:55
Operator : SJ/JU
Sample : I5487-10 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-092717-D

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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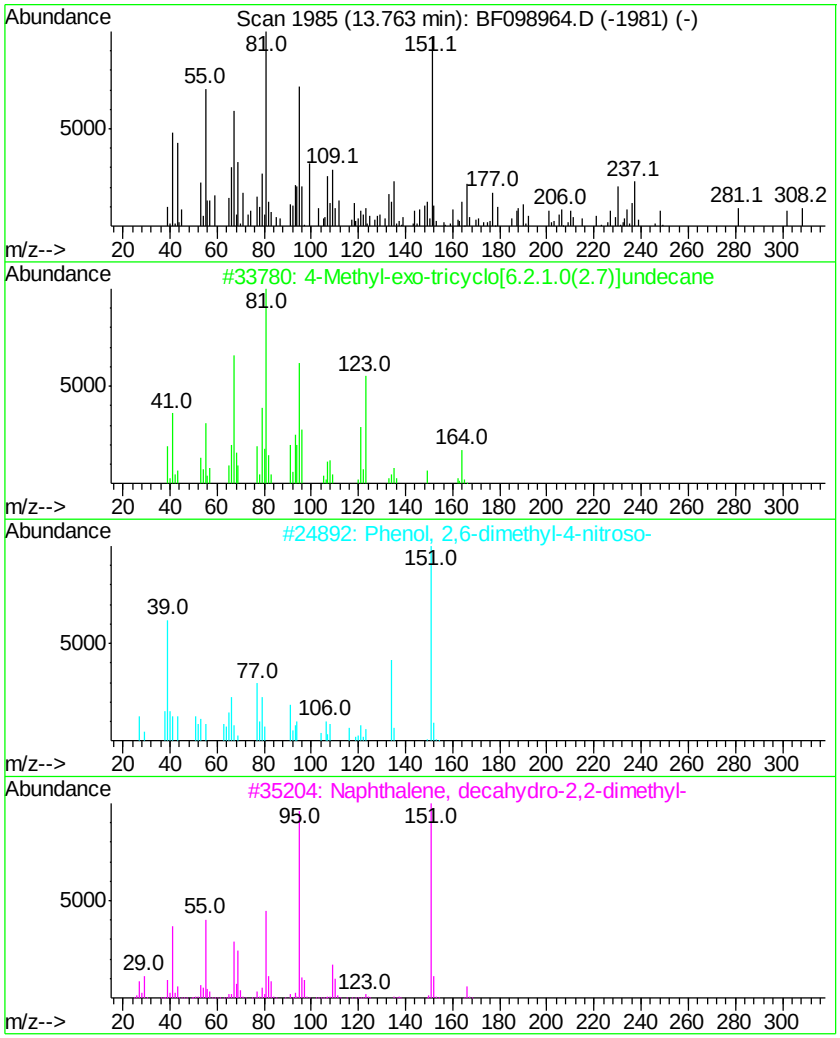
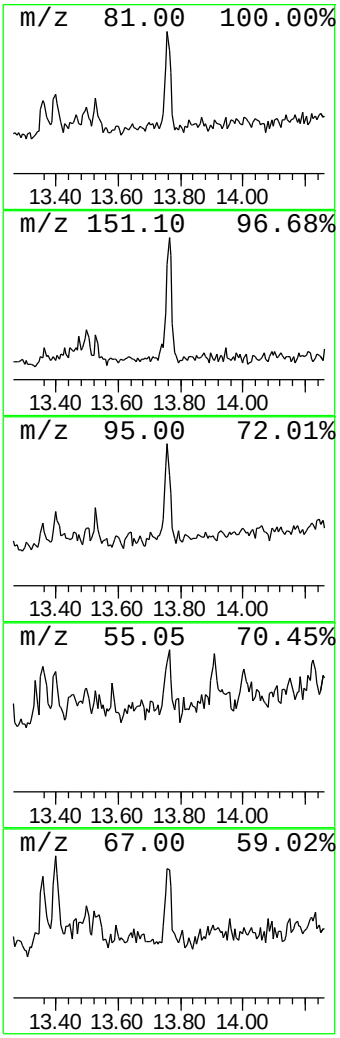
Peak Number 10 unknown13.76 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.36 ng	86027	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methyl-exo-tricyclo[6.2.1.0(2....	164	C12H20	1000215-29-8	38
2	Phenol, 2,6-dimethyl-4-nitroso-	151	C8H9NO2	013331-93-6	38
3	Naphthalene, decahydro-2,2-dimet...	166	C12H22	031124-85-3	22
4	3-(2-Hydroxycyclohexyl)-furan	166	C10H14O2	118959-04-9	20
5	2,2'-Bi(bicyclo[2.2.1]heptane)	190	C14H22	018947-78-9	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093017\
Data File : BF098964.D
Acq On : 30 Sep 2017 15:55
Operator : SJ/JU
Sample : I5487-10 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-092717-D

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.20	5.1	ng	211326	1	6.92	832332	20.0
2-Pentanone, 4-hy...	5.13	2.7	ng	111420	1	6.92	832332	20.0
unknown6.67	6.67	17.4	ng	724020	1	6.92	832332	20.0
Hexadecanoic acid...	11.82	15.2	ng	687872	4	11.44	905716	20.0
9,12-Octadecadien...	12.50	30.1	ng	1361580	4	11.44	905716	20.0
10-Octadecenoic a...	12.53	28.4	ng	1286700	4	11.44	905716	20.0
Methyl stearate	12.61	7.3	ng	331994	4	11.44	905716	20.0
Pyrene, 1-methyl-	13.20	2.8	ng	101532	5	14.07	729845	20.0
unknown13.76	13.76	2.4	ng	86027	5	14.07	729845	20.0