LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052417\
Data File : BM010211.D
Acq On : 25 May 2017 10:48
Operator : SJ/MA
Sample : I3309-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-9

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_M\METHODS\8270-BM051917.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	5.069	333	337	345	rBV	132205	195099	2.12%	0.461%
2	5.528	406	415	423	rBV	657515	979625	10.65%	2.313%
3	7.128	681	687	698	rBV	414097	747059	8.12%	1.764%
4	7.487	740	748	758	rBV	1269839	2005618	21.80%	4.736%
5	7.945	820	826	838	rVB	469480	763973	8.30%	1.804%
6	8.269	871	881	894	rBV	1876525	3092981	33.61%	7.303%
7	9.133	1019	1028	1035	rBV	1389015	2294074	24.93%	5.417%
8	9.457	1076	1083	1090	rVB3	161487	279739	3.04%	0.661%
9	10.122	1188	1196	1203	rBV2	103294	176276	1.92%	0.416%
10	10.286	1216	1224	1232	rVB2	99226	231832	2.52%	0.547%
11	10.751	1297	1303	1314	rVB	550439	972354	10.57%	2.296%
12	10.916	1326	1331	1338	rVB6	56503	111597	1.21%	0.264%
13	12.092	1527	1531	1539	rVB2	95605	158768	1.73%	0.375%
14	13.198	1713	1719	1725	rBV	3810113	5639080	61.28%	13.315%
15	14.039	1856	1862	1867	rBV	485598	650795	7.07%	1.537%
16	14.504	1936	1941	1947	rBV2	113757	170531	1.85%	0.403%
17	14.580	1947	1954	1962	rBV2	820026	1302589	14.16%	3.076%
18	15.757	2148	2154	2160	rVB	88402	137560	1.49%	0.325%
19	16.068	2201	2207	2210	rBV	2081519	2970322	32.28%	7.014%
20	16.098	2210	2212	2219	rVB	795116	937405	10.19%	2.213%
21	16.609	2293	2299	2307	rBV	605898	855296	9.30%	2.020%
22	17.321	2415	2420	2431	rVB2	1154269	1747026	18.99%	4.125%
23	18.174	2560	2565	2576	rBV	264525	422048	4.59%	0.997%
24	18.986	2699	2703	2706	rVB4	84214	108101	1.17%	0.255%
25	19.445	2776	2781	2793	rBV2	228176	471715	5.13%	1.114%
26	19.703	2821	2825	2829	rBV	167538	232580	2.53%	0.549%
27	19.927	2857	2863	2868	rBV	7716693	9201422	100.00%	21.727%
28	21.480	3123	3127	3133	rVB	2014961	2540803	27.61%	6.000%
29	23.844	3523	3529	3542	rVB2	1424539	2953819	32.10%	6.975%

Sum of corrected areas: 42350087

LSC Report - Integrated Chromatogram

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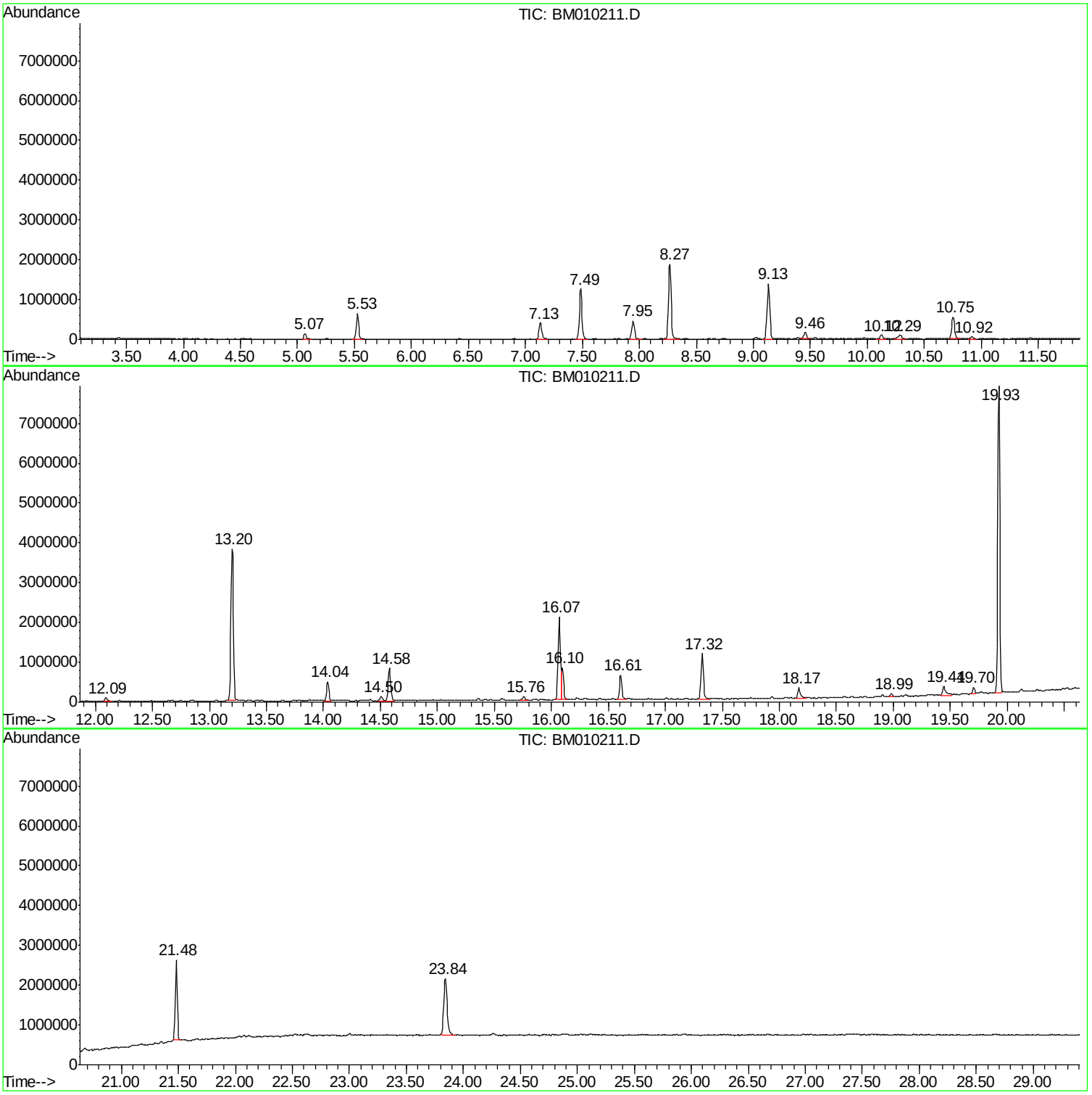
Operator : SJ/MA
Sample : I3309-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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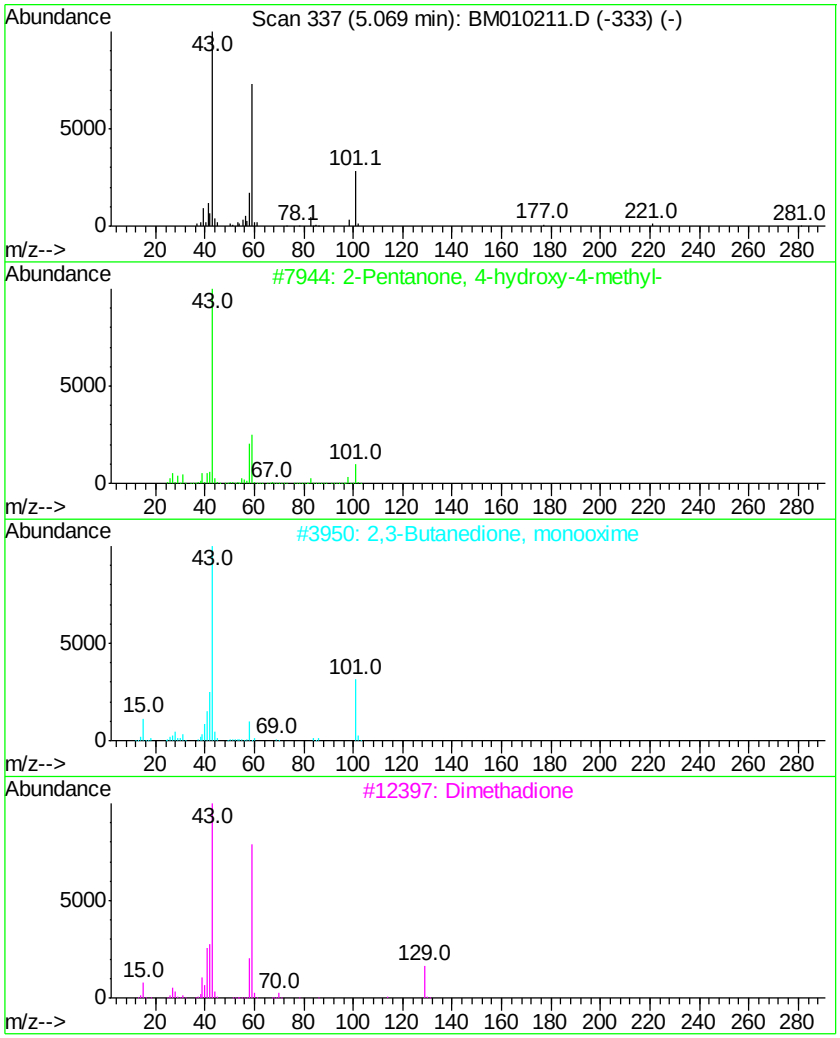
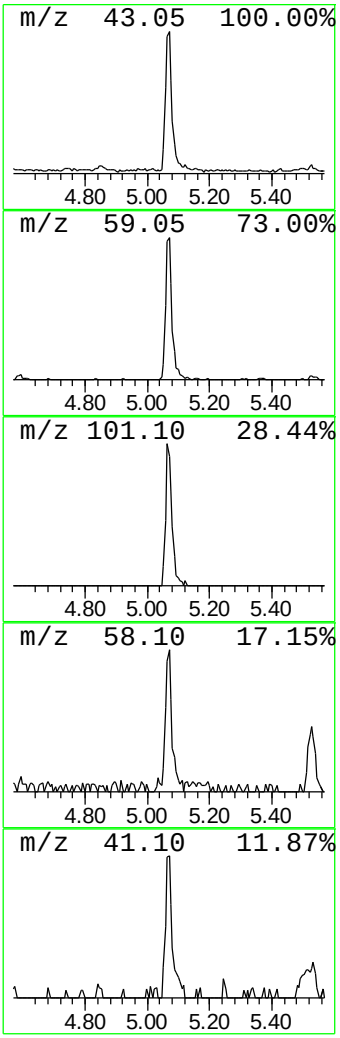
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	5.11 ng	195099	1,4-Dichlorobenzene-d4	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3	Dimethadione	129	C5H7NO3	000695-53-4	28
4	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	28
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28





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Operator : SJ/MA
Sample : I3309-02
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Instrument : BNA_M
ClientSampleId : GMW-9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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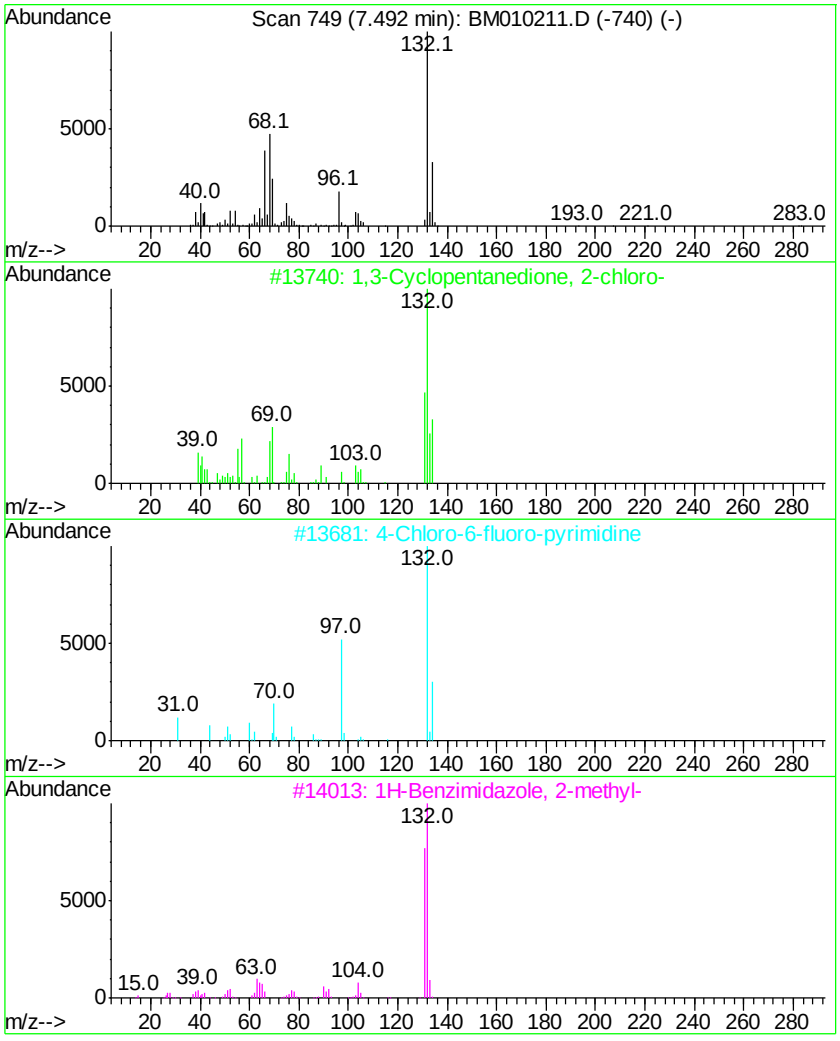
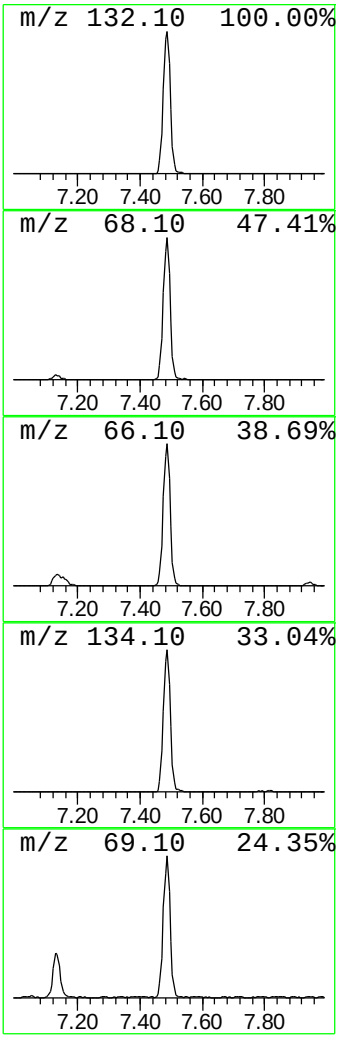
Peak Number 2 unknown7.49 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	52.50 ng	2005620	1,4-Dichlorobenzene-d4	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	25
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	10
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





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Operator : SJ/MA
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ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
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TIC Library : C:\DATABASE\NIST02.L
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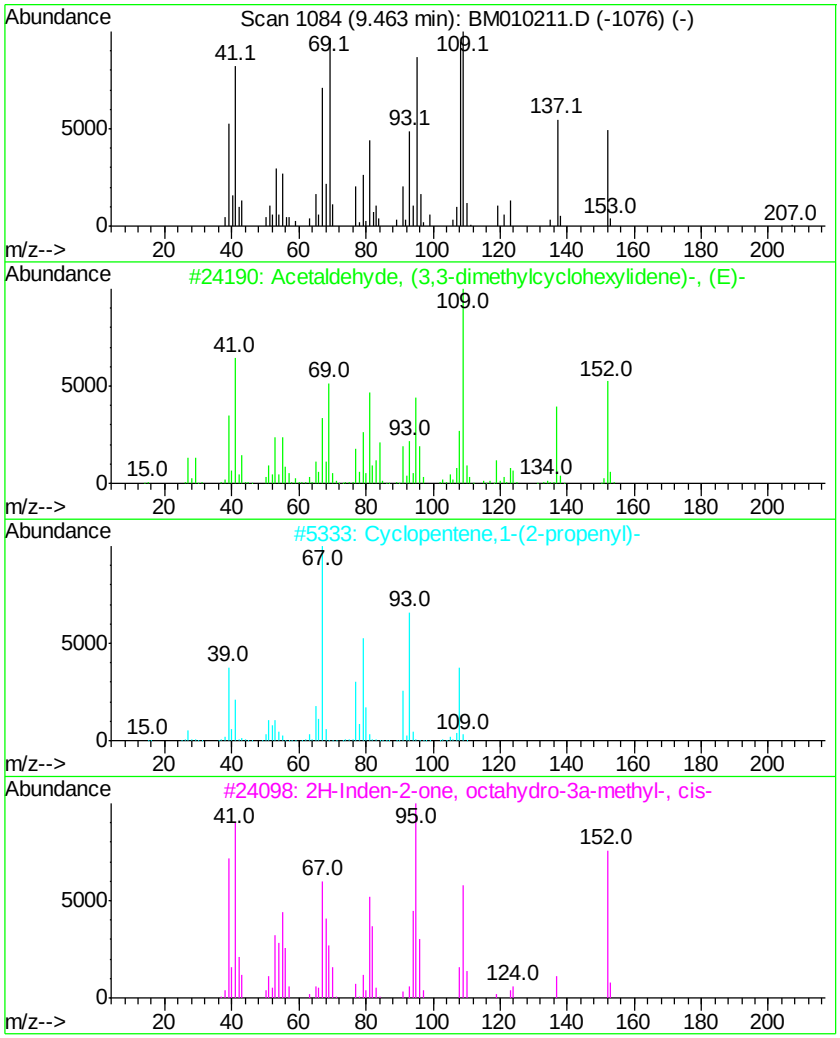
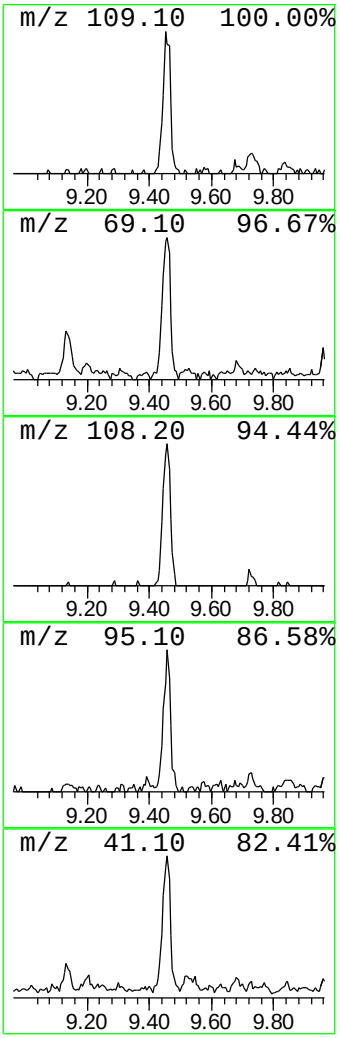
Peak Number 4 unknown9.46 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	5.75 ng	279739	Naphthalene-d8	10.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde, (3,3-dimethylcyclo...	152	C10H16O	026532-25-2	38
2	Cyclopentene,1-(2-propenyl)-	108	C8H12	037689-19-3	30
3	2H-Inden-2-one, octahydro-3a-met...	152	C10H16O	013351-29-6	30
4	Bicyclo[3.3.0]octan-3-one, 6-iod...	264	C9H13IO	1000150-13-4	27
5	2-Isopropylidene-5-methylhex-4-enal	152	C10H16O	003304-28-7	25





Library Search Compound Report

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Operator : SJ/MA
Sample : I3309-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

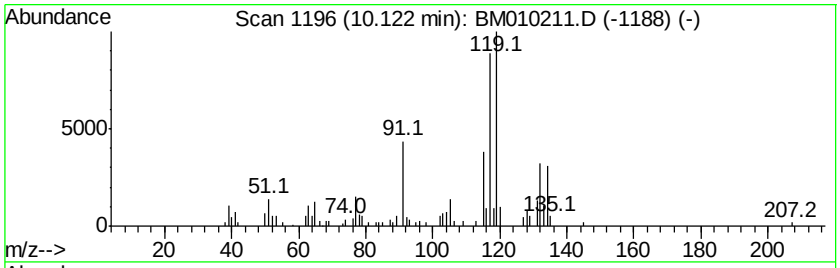
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

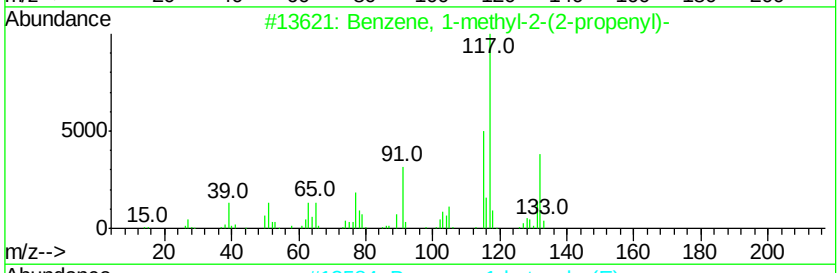
****

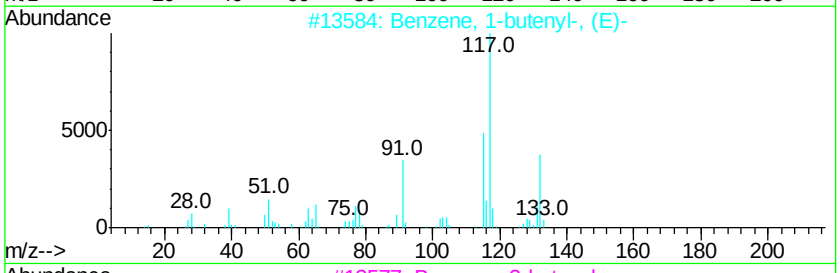
Peak Number 5 Benzene, 1-methyl-2-(2-prop... Concentration Rank 9

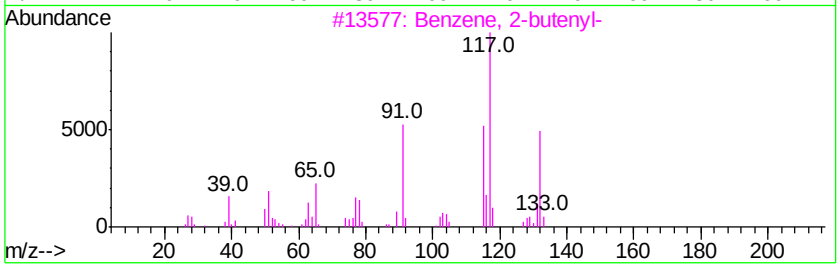
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	3.63 ng	176276	Naphthalene-d8	10.75

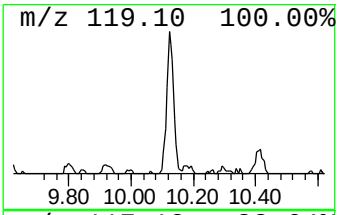
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
2	Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	91
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	70

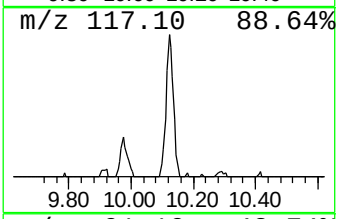


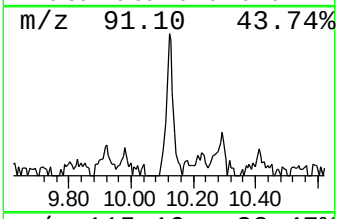


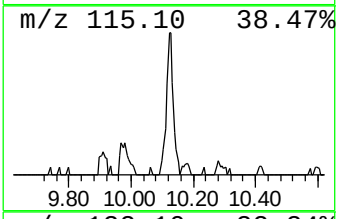


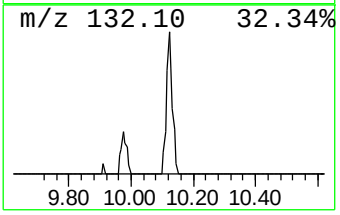












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Instrument : BNA_M
ClientSampleId : GMW-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

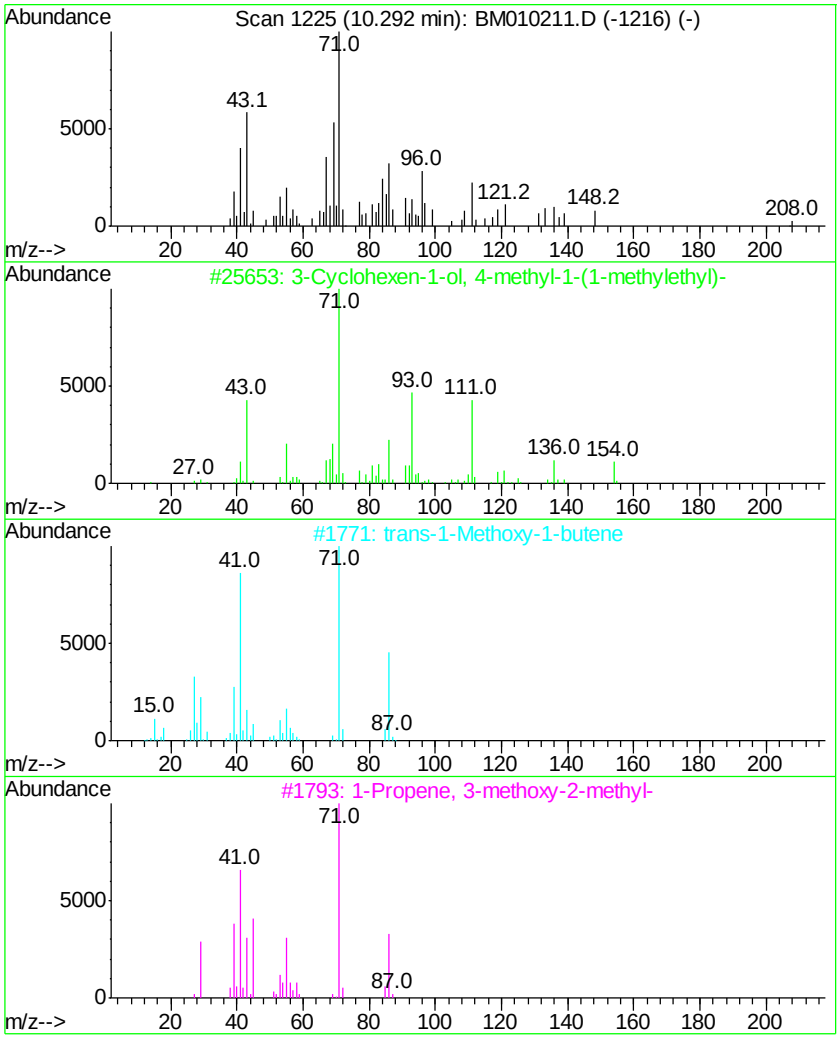
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

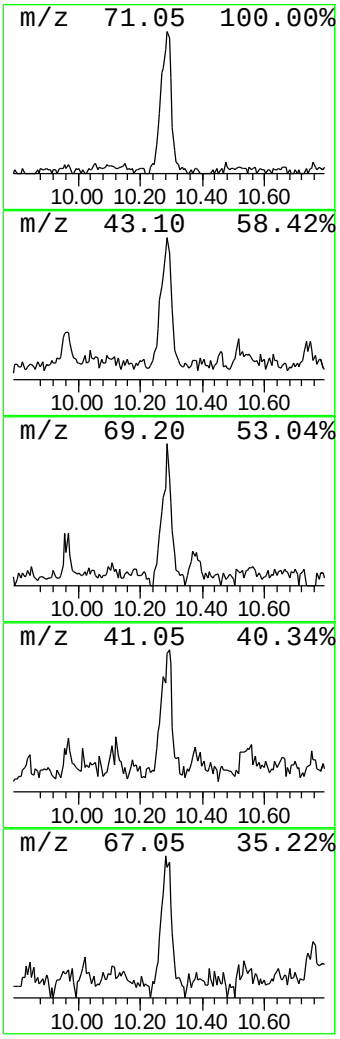
****

Peak Number 6 3-Cyclohexen-1-ol, 4-methyl... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	4.77 ng	231832	Naphthalene-d8	10.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	000562-74-3	50
2	trans-1-Methoxy-1-butene	86	C5H10O	010034-13-6	38
3	1-Propene, 3-methoxy-2-methyl-	86	C5H10O	022418-49-1	38
4	2-Butene, 1-methoxy-, (E)-	86	C5H10O	010034-14-7	38
5	Cycloheptane, methoxy-	128	C8H16O	042604-04-6	38





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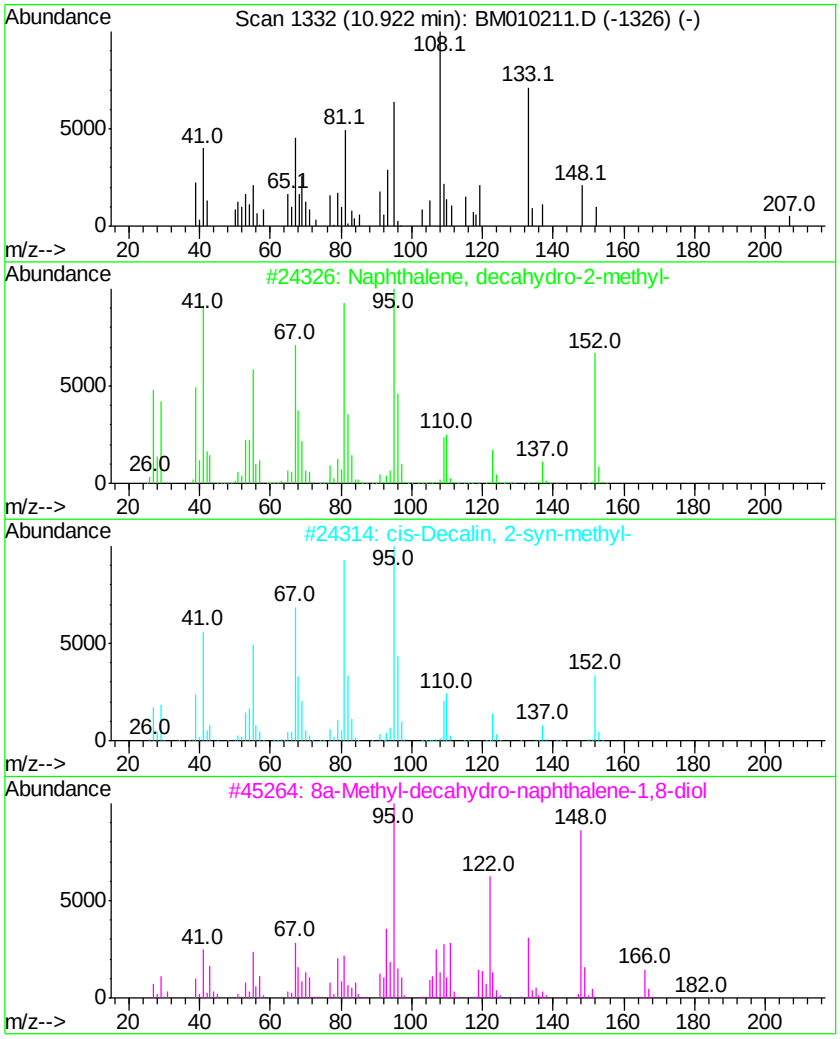
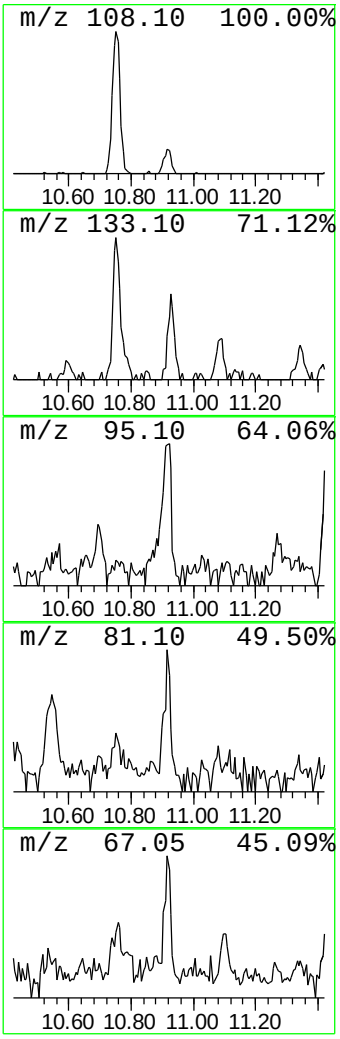
****

Peak Number 7 unknown10.92 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	2.30 ng	111597	Naphthalene-d8	10.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	42
2	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	27
3	8a-Methyl-decahydro-naphthalene-...	184	C11H20O2	1000185-34-4	27
4	4-Ethyl-2-hexynal	124	C8H12O	071932-97-3	22
5	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	22





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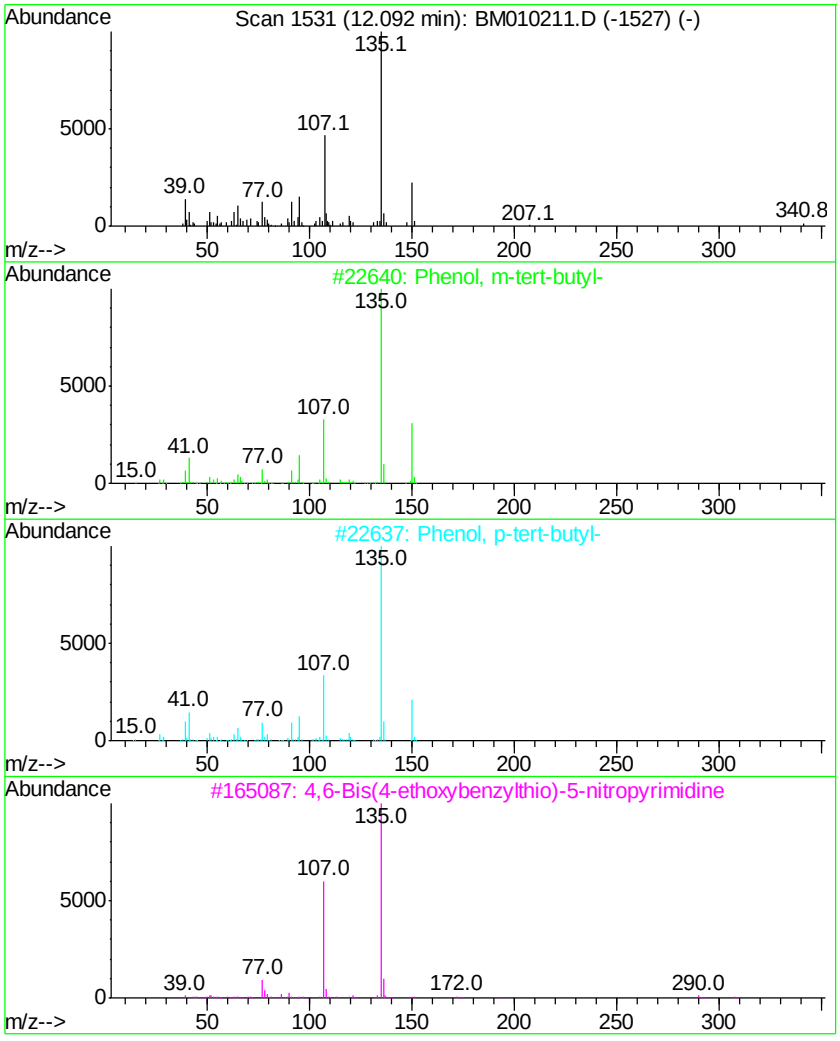
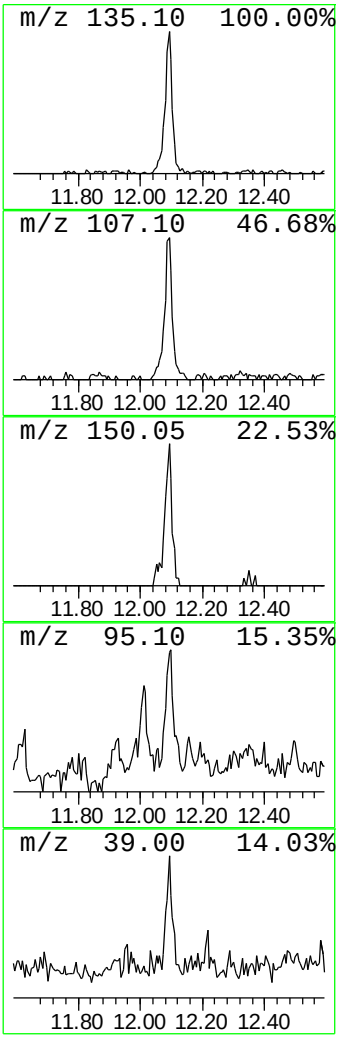
****

Peak Number 8 Phenol, m-tert-butyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	3.27 ng	158768	Naphthalene-d8	10.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	90
2	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	90
3	4,6-Bis(4-ethoxybenzylthio)-5-ni...	457	C22H23N3O4S2	325957-76-4	53
4	Acetophenone, 4'-methoxy-	150	C9H10O2	000100-06-1	50
5	Benzene, 1-methoxy-4-(1-methylet...	150	C10H14O	004132-48-3	49





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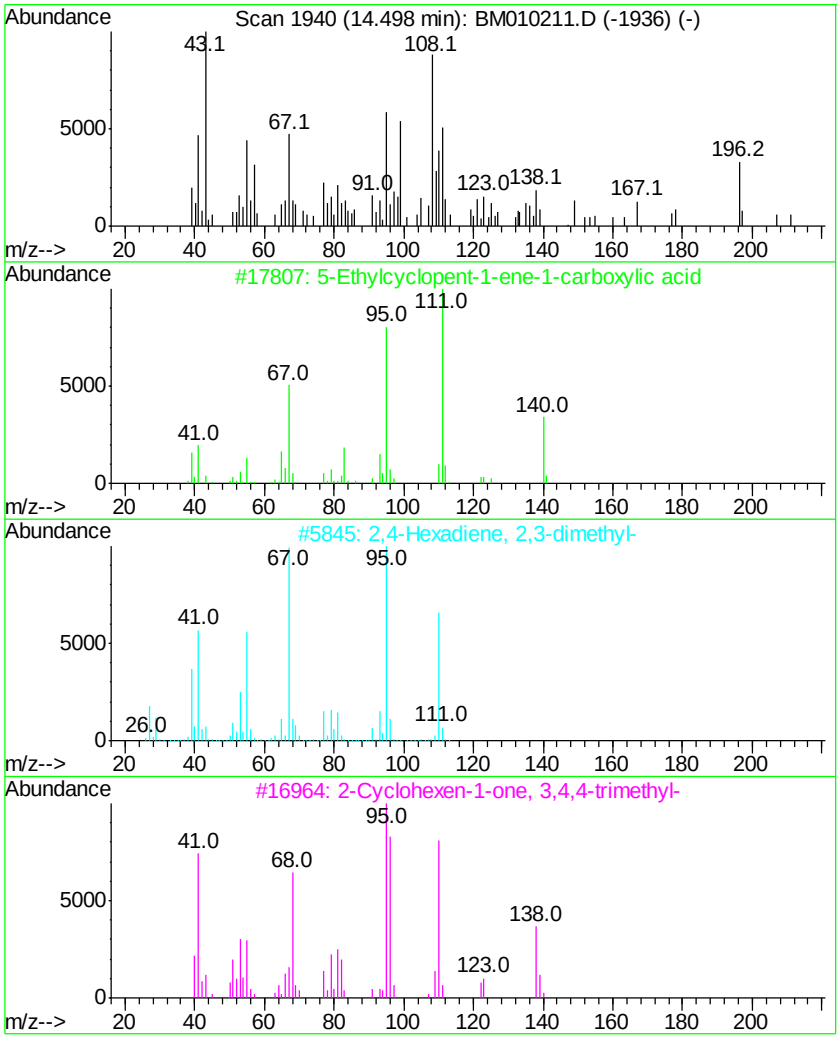
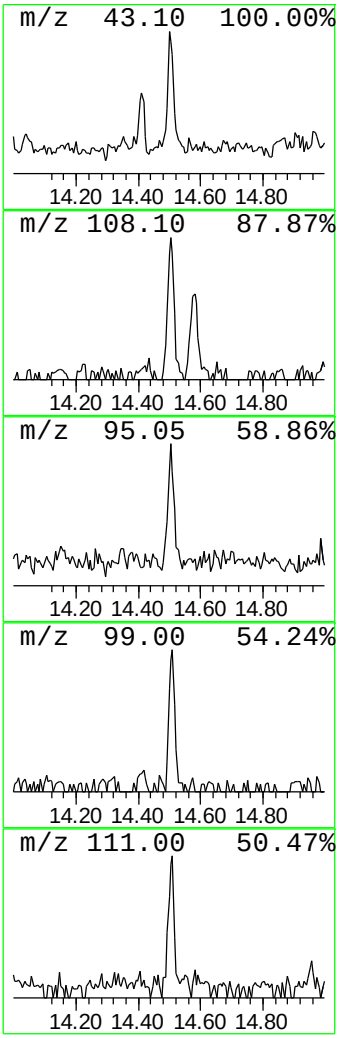
****

Peak Number 9 unknown14.50 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	2.62 ng	170531	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethylcyclopent-1-ene-1-carboxy...	140	C8H12O2	036258-07-8	38
2	2,4-Hexadiene, 2,3-dimethyl-	110	C8H14	005678-98-8	38
3	2-Cyclohexen-1-one, 3,4,4-trimet...	138	C9H14O	017299-41-1	30
4	2-Cyclopenten-1-one, 3,4-dimethyl-	110	C7H10O	030434-64-1	30
5	4-Hepten-3-ol, 4-methyl-	128	C8H16O	081280-12-8	22





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Data File : BM010211.D
Acq On : 25 May 2017 10:48
Operator : SJ/MA
Sample : I3309-02
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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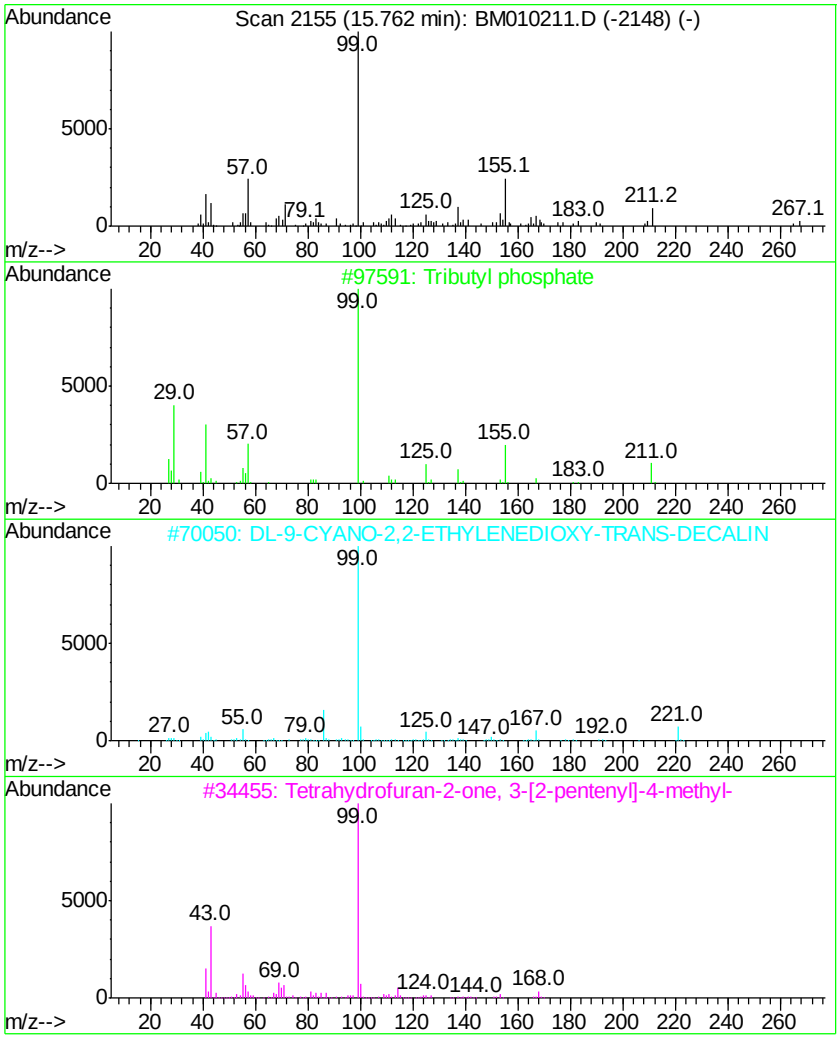
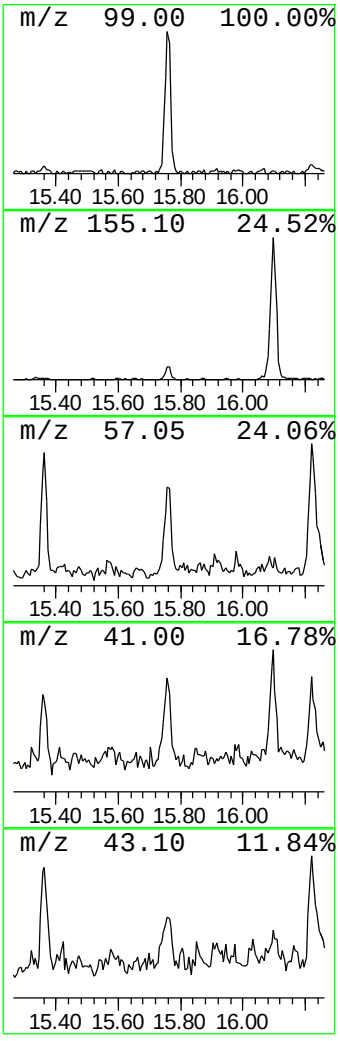
Peak Number 10 Tributyl phosphate Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	2.11 ng	137560	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tributyl phosphate	266	C12H27O4P	000126-73-8	80
2	DL-9-CYANO-2,2-ETHYLENEDIOXY-TRA...	221	C13H19NO2	1000243-52-3	50
3	Tetrahydrofuran-2-one, 3-[2-pent...	168	C10H16O2	1000132-08-6	50
4	2-Octen-4-one, 2-methoxy-	156	C9H16O2	024985-48-6	47
5	n-Hexyl methylphosphonofluoridate	182	C7H16FO2P	113548-89-3	47





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Sample : I3309-02
Misc :
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Instrument : BNA_M
ClientSampleId : GMW-9

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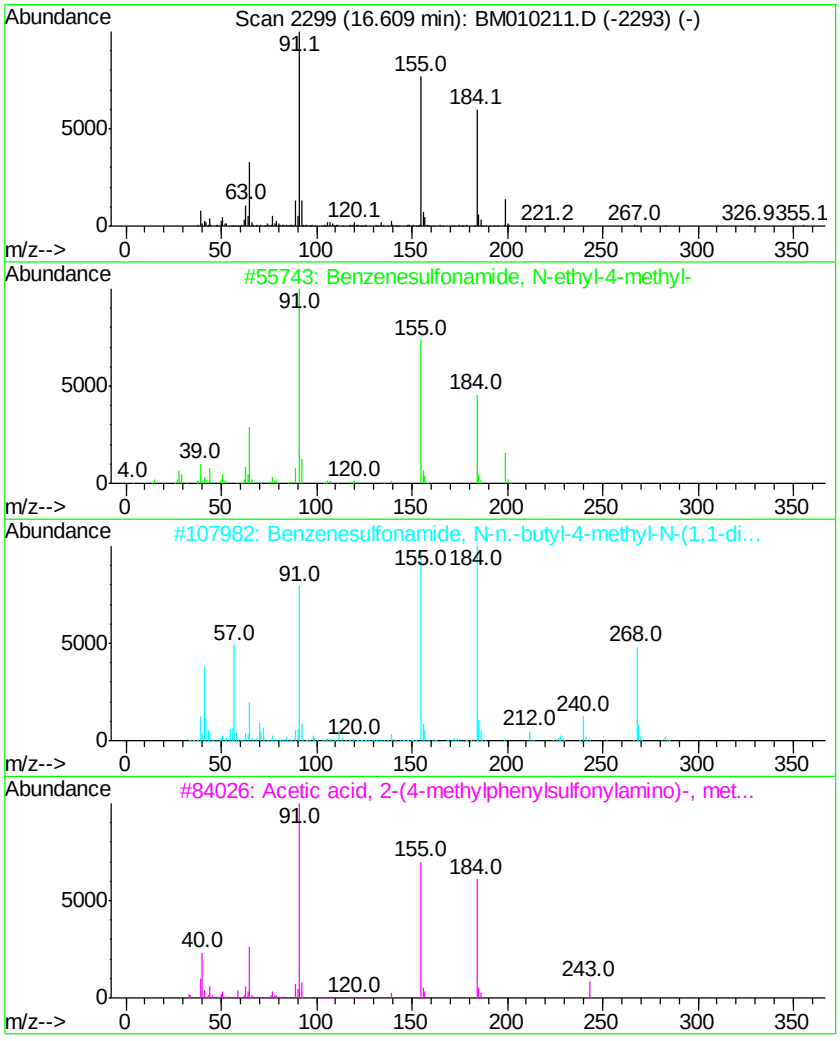
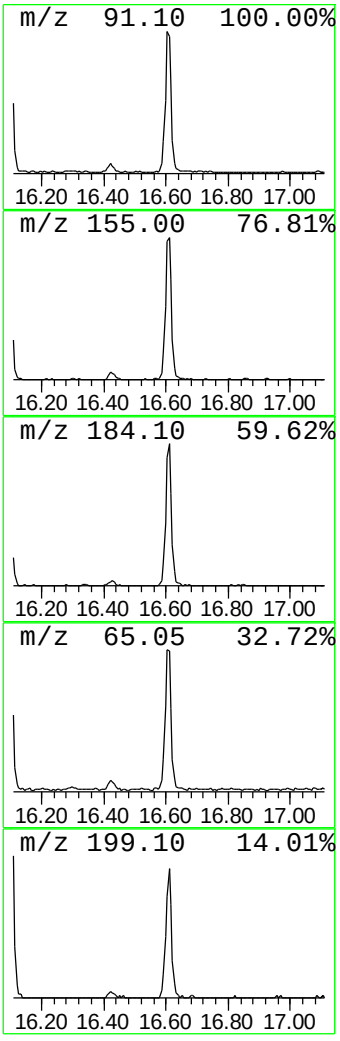
Peak Number 11 Benzenesulfonamide, N-ethyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	9.79 ng	855296	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonamide, N-ethyl-4-me...	199	C9H13NO2S	000080-39-7	97
2	Benzenesulfonamide, N-n.-butyl-4...	283	C15H25NO2S	010285-94-6	91
3	Acetic acid, 2-(4-methylphenylsu...	243	C10H13NO4S	002645-02-5	90
4	Benzenesulfonamide, N-butyl-4-me...	227	C11H17NO2S	001907-65-9	86
5	Carbamic acid, methyl[(4-methylp...	243	C10H13NO4S	032258-50-7	83





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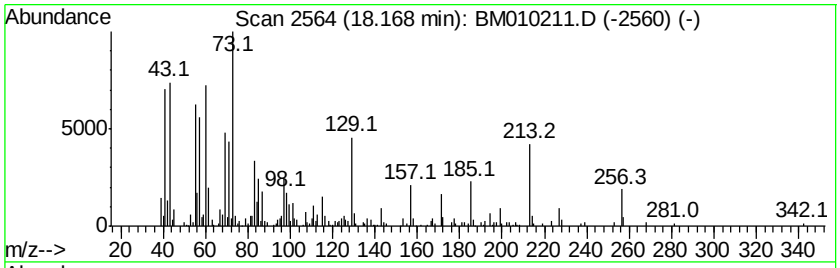
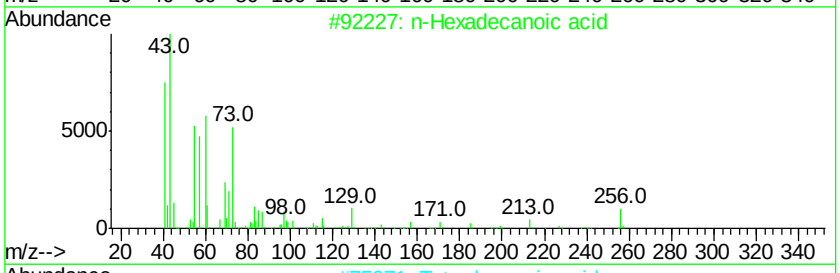
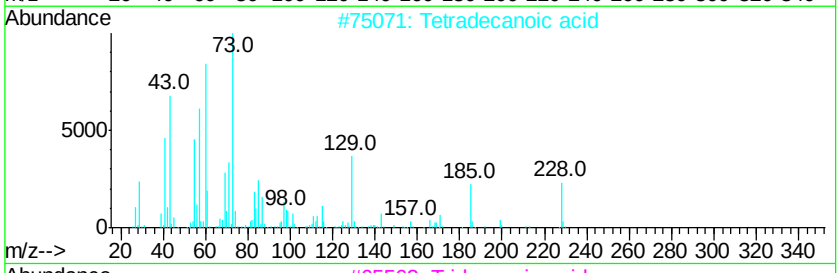
Peak Number 12 n-Hexadecanoic acid Concentration Rank 6

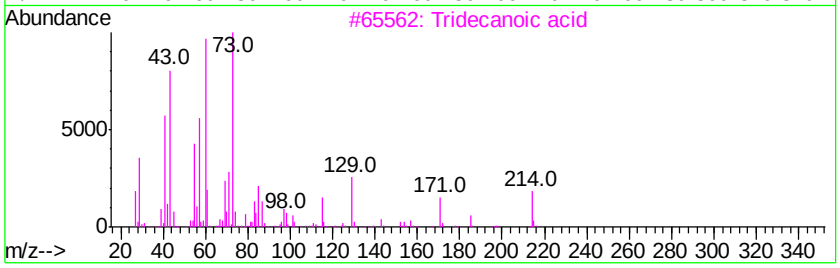
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	4.83 ng	422048	Phenanthrene-d10	17.32

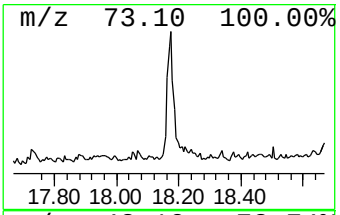
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	92
3	Tridecanoic acid	214	C13H26O2	000638-53-9	70
4	Dodecanoic acid	200	C12H24O2	000143-07-7	53
5	n-Decanoic acid	172	C10H20O2	000334-48-5	42

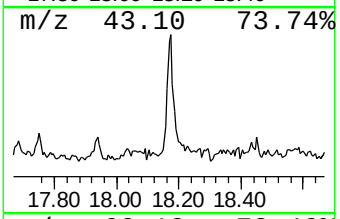


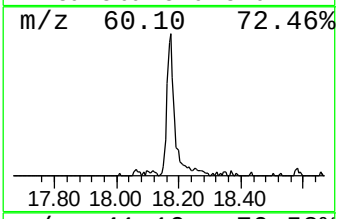


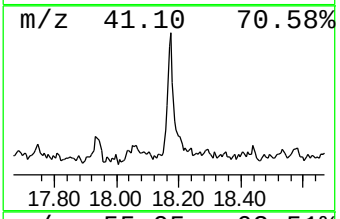


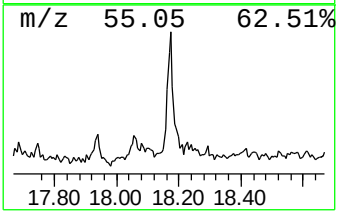












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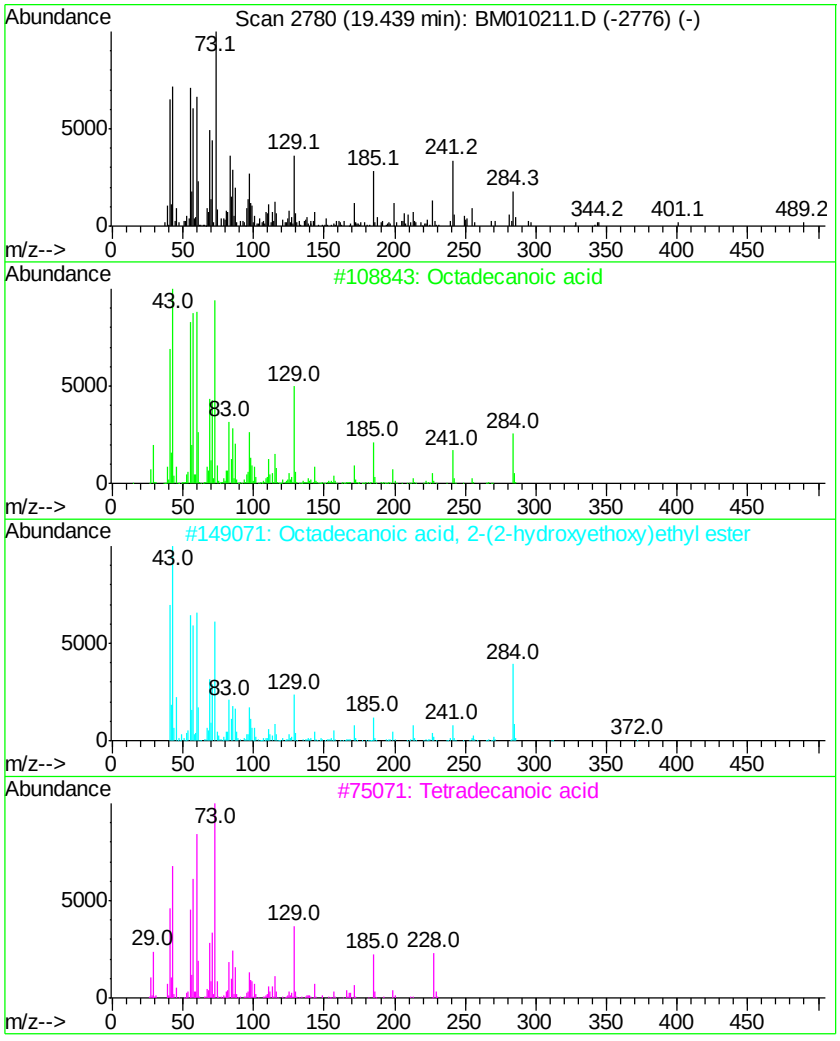
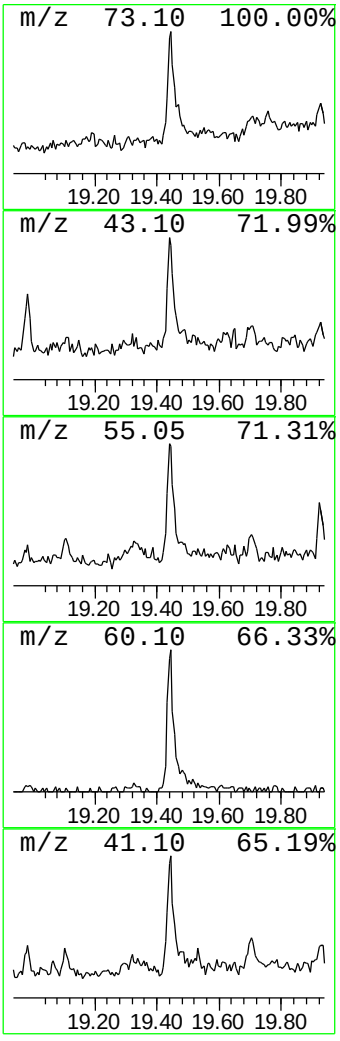
****

Peak Number 13 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	3.71 ng	471715	Chrysene-d12	21.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	53
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	43
4	Tridecanoic acid	214	C13H26O2	000638-53-9	38
5	n-Decanoic acid	172	C10H20O2	000334-48-5	35





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.07	5.1	ng	195099	1	7.95	763973	20.0
unknown7.49	7.49	52.5	ng	2005620	1	7.95	763973	20.0
unknown9.46	9.46	5.8	ng	279739	2	10.75	972354	20.0
Benzene, 1-methyl...	10.12	3.6	ng	176276	2	10.75	972354	20.0
3-Cyclohexen-1-ol...	10.29	4.8	ng	231832	2	10.75	972354	20.0
unknown10.92	10.92	2.3	ng	111597	2	10.75	972354	20.0
Phenol, m-tert-bu...	12.09	3.3	ng	158768	2	10.75	972354	20.0
unknown14.50	14.50	2.6	ng	170531	3	14.58	1302590	20.0
Tributyl phosphate	15.76	2.1	ng	137560	3	14.58	1302590	20.0
Benzenesulfonamid...	16.61	9.8	ng	855296	4	17.32	1747030	20.0
n-Hexadecanoic acid	18.17	4.8	ng	422048	4	17.32	1747030	20.0
Octadecanoic acid	19.44	3.7	ng	471715	5	21.48	2540800	20.0