

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052217\
 Data File : BM010121.D
 Acq On : 23 May 2017 02:23
 Operator : SJ/MA
 Sample : I3222-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EX-16

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	5.081	334	339	347	rBV	316839	437839	3.46%	0.700%
2	5.545	411	418	431	rBV	3506253	5056935	39.99%	8.086%
3	7.151	684	691	707	rBV	3232753	4984515	39.41%	7.970%
4	7.504	743	751	759	rBV	3419551	5298464	41.90%	8.472%
5	7.963	821	829	835	rBV	543367	885962	7.01%	1.417%
6	8.281	875	883	892	rBV	2596584	4166742	32.95%	6.662%
7	9.151	1023	1031	1041	rBV	1779959	2950728	23.33%	4.718%
8	10.769	1299	1306	1313	rBV	646499	1054493	8.34%	1.686%
9	13.216	1713	1722	1731	rBV	4802466	7012542	55.45%	11.213%
10	14.051	1859	1864	1873	rVB	279082	392282	3.10%	0.627%
11	14.592	1949	1956	1965	rBV2	946973	1431381	11.32%	2.289%
12	16.080	2203	2209	2217	rBV	4290633	5922736	46.83%	9.470%
13	17.339	2417	2423	2430	rBV	1316837	1880130	14.87%	3.006%
14	18.186	2561	2567	2574	rBV2	237825	347789	2.75%	0.556%
15	19.456	2779	2783	2791	rBV4	139962	208037	1.64%	0.333%
16	19.939	2859	2865	2874	rBV	10500671	12646822	100.00%	20.221%
17	21.144	3067	3070	3079	rBV	273120	421125	3.33%	0.673%
18	21.491	3125	3129	3135	rBV	2245117	2872052	22.71%	4.592%
19	21.580	3140	3144	3148	rBV	386405	453469	3.59%	0.725%
20	22.027	3217	3220	3225	rVB	375860	446211	3.53%	0.713%
21	22.503	3298	3301	3306	rVB	294020	367112	2.90%	0.587%
22	23.862	3526	3532	3543	rVB	1672632	3304729	26.13%	5.284%

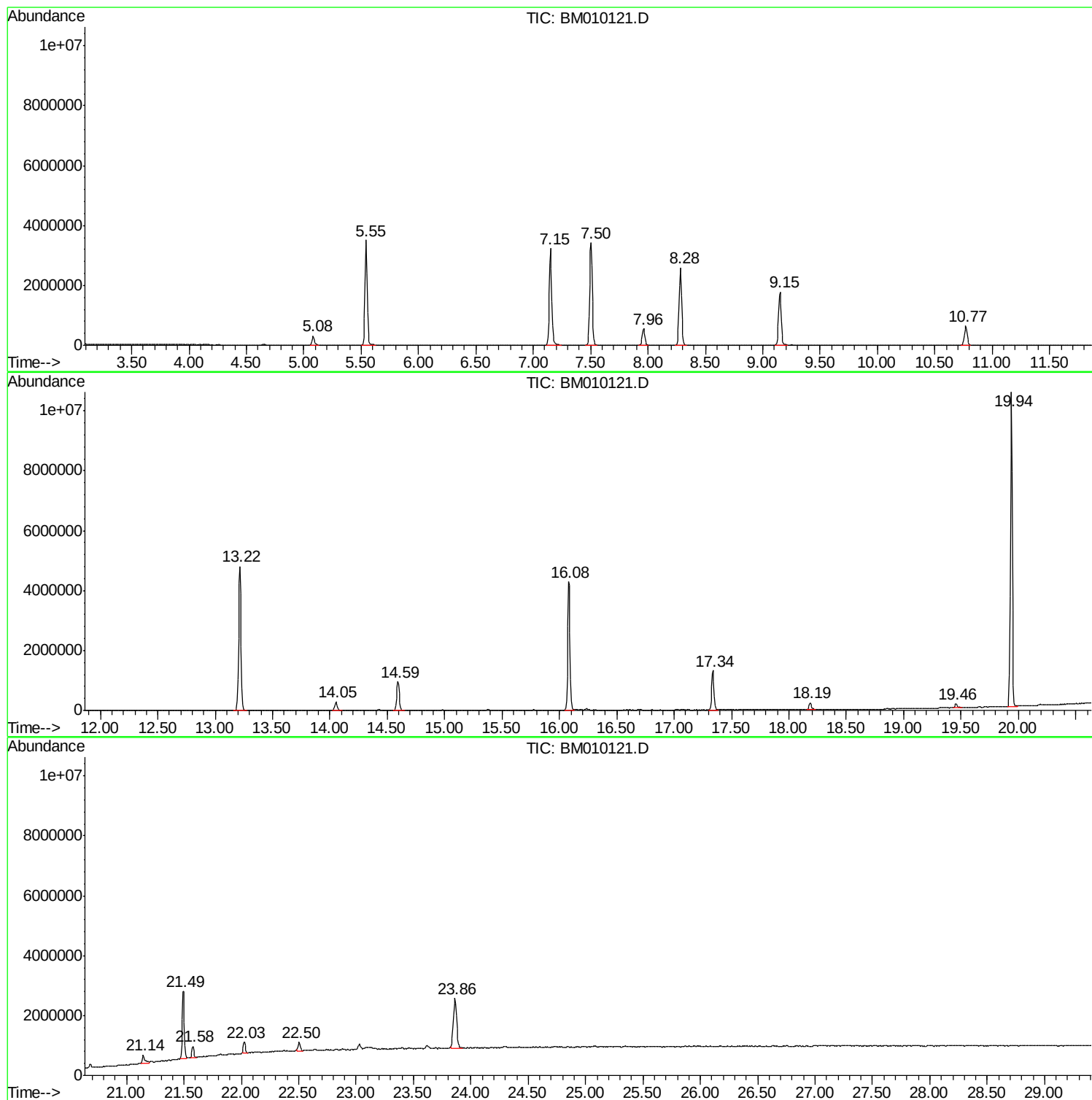
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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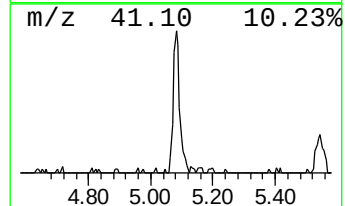
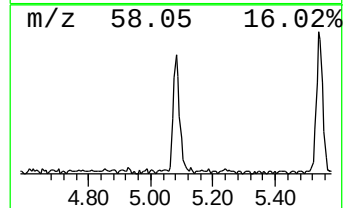
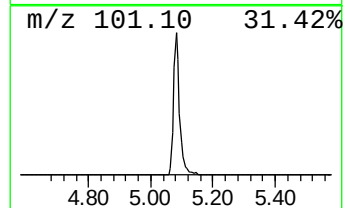
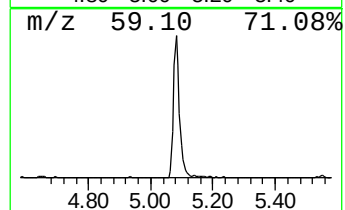
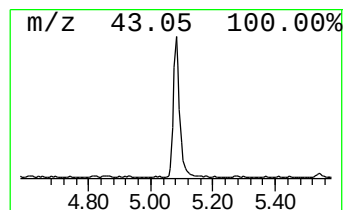
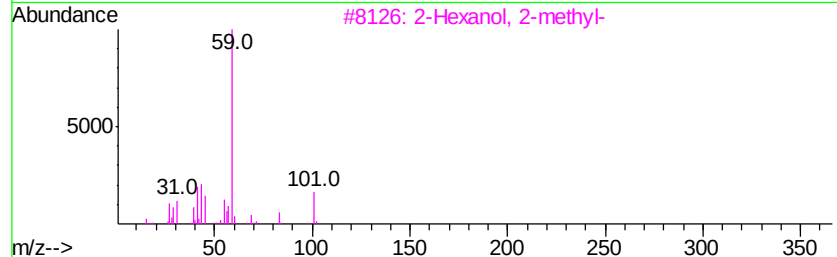
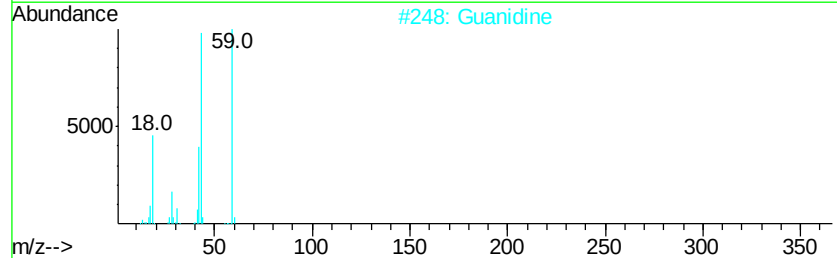
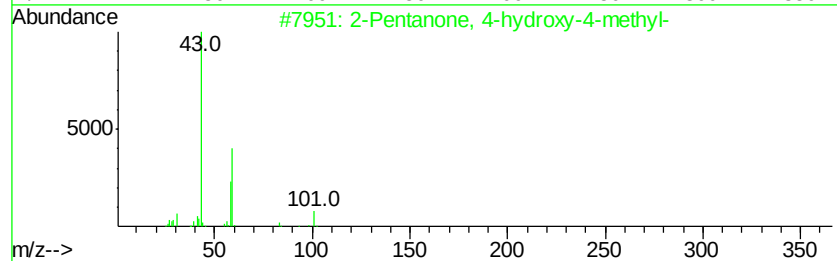
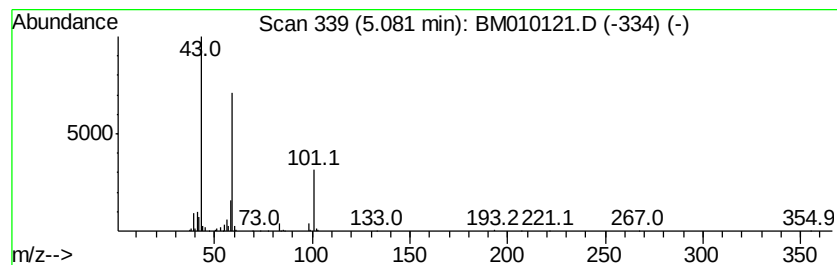
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	9.88 ng	437839	1,4-Dichlorobenzene-d4	7.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		Guanidine	59	CH5N3	000113-00-8	43
3		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	37
4		Dimethadione	129	C5H7NO3	000695-53-4	28
5		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	25



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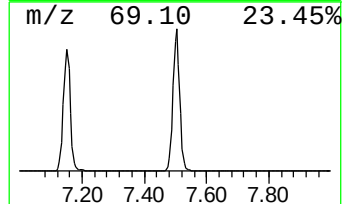
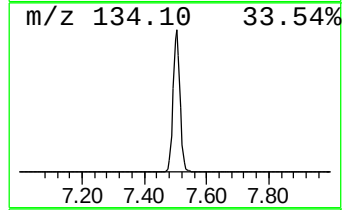
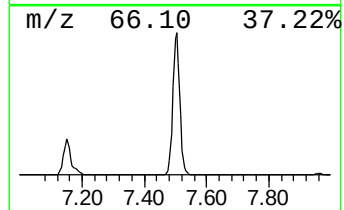
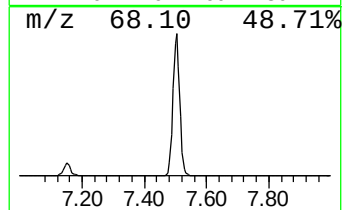
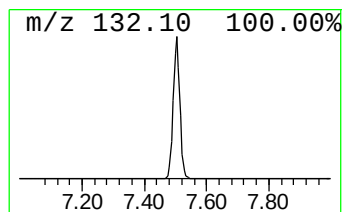
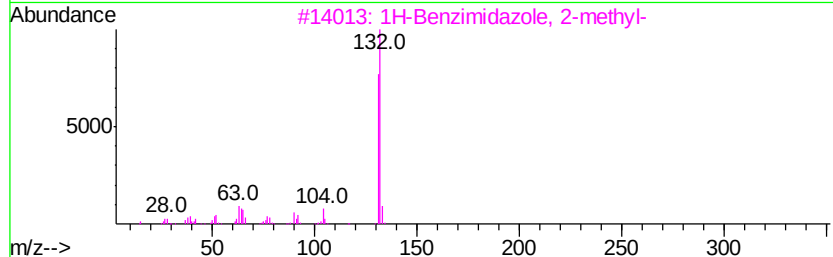
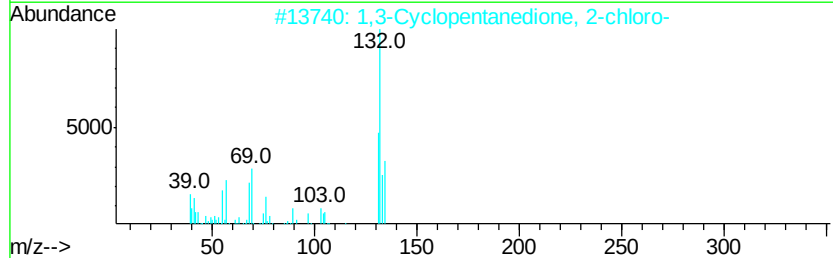
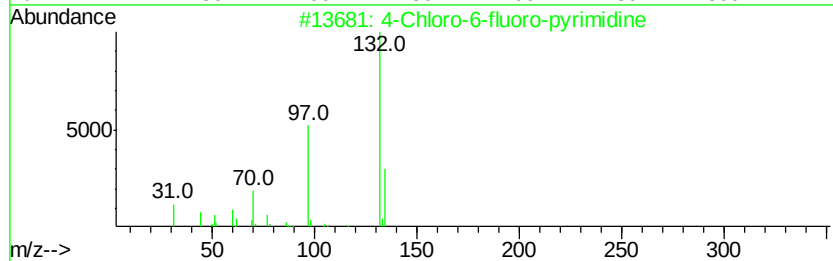
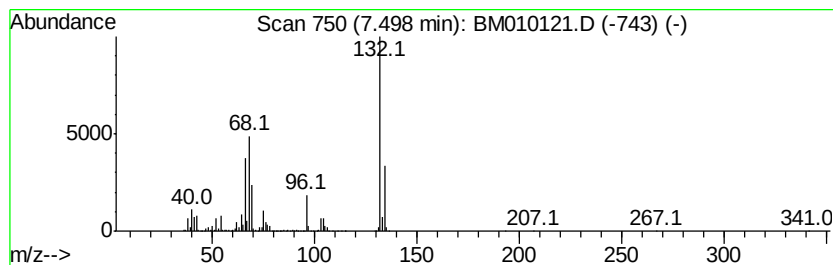
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Peak Number 2 unknown7.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	119.61 ng	5298460	1,4-Dichlorobenzene-d4	7.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	25
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12



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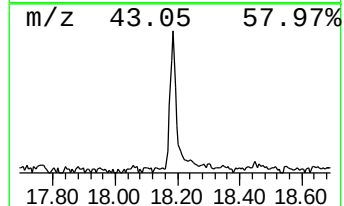
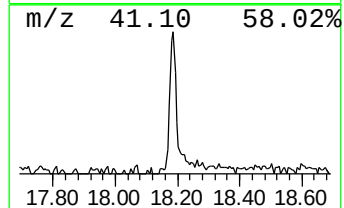
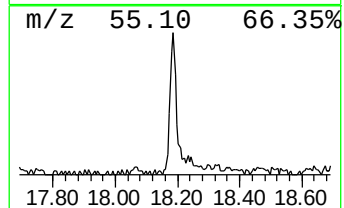
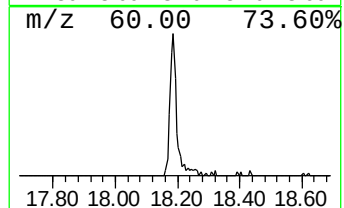
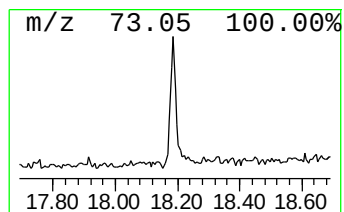
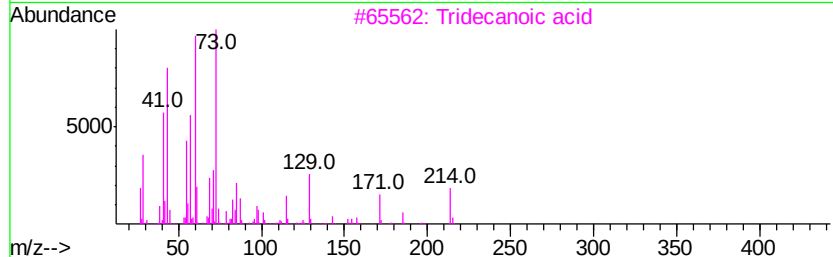
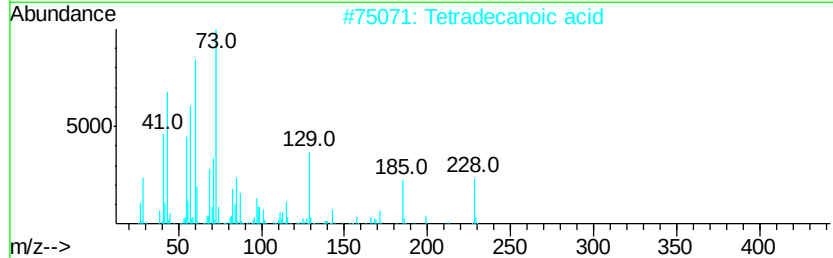
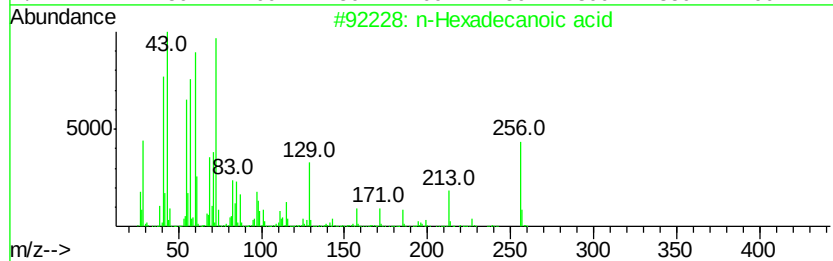
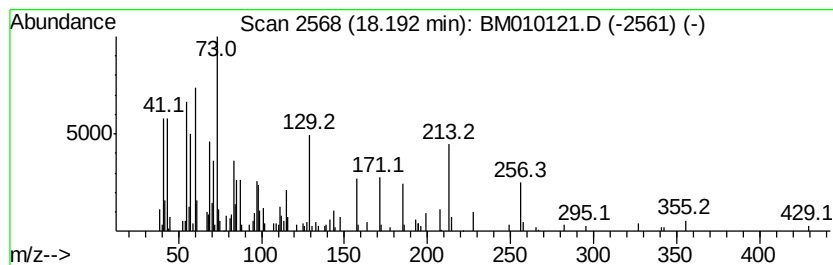
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Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.19	3.70 ng	347789	Phenanthrene-d10	17.34	
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	83
4	Undecanoic acid	186	C11H22O2	000112-37-8	47
5	n-Decanoic acid	172	C10H20O2	000334-48-5	45



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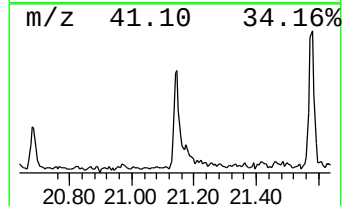
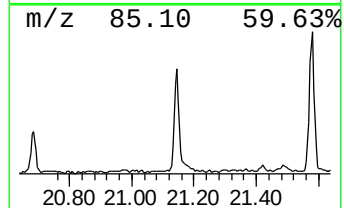
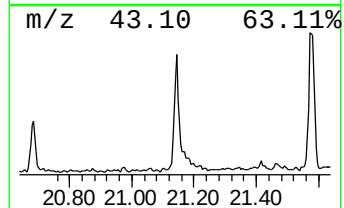
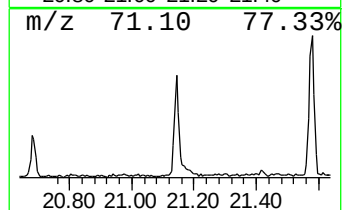
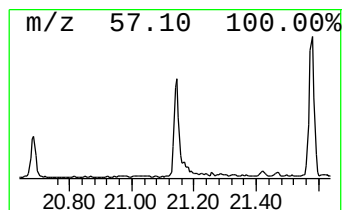
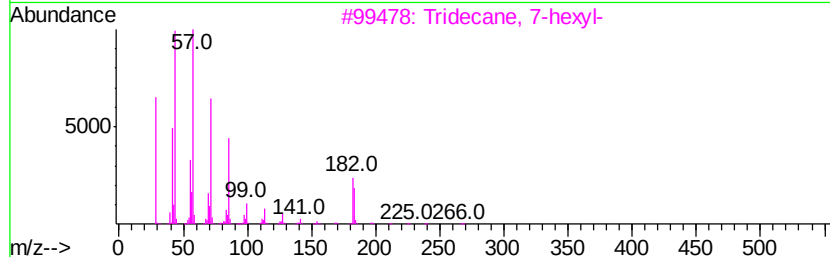
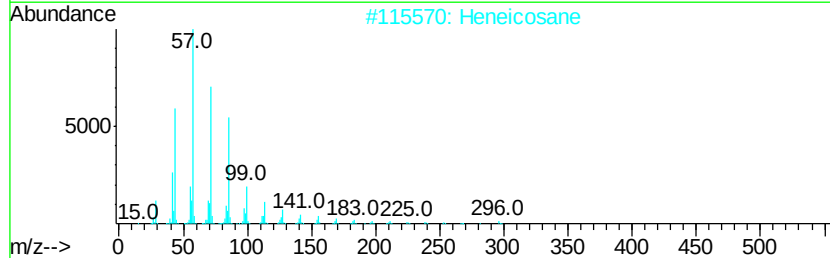
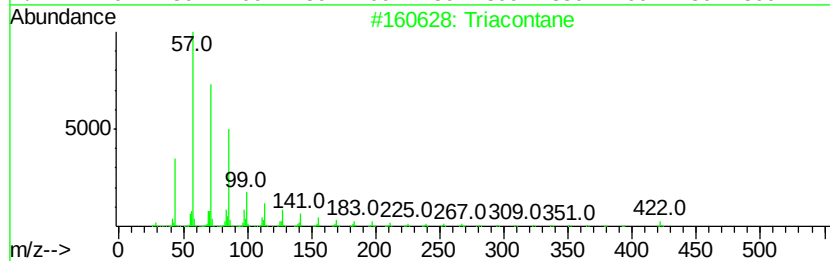
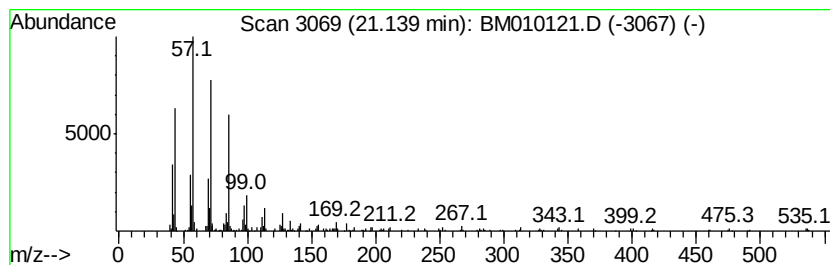
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Triacontane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
21.14	2.93 ng	421125	Chrysene-d12		21.50
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	90
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	87
5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	87



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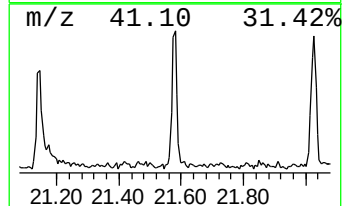
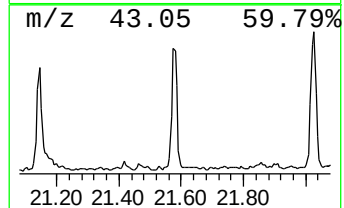
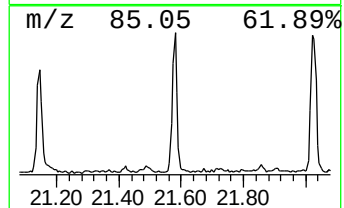
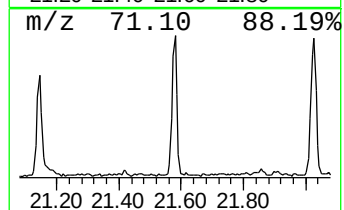
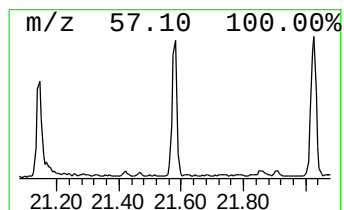
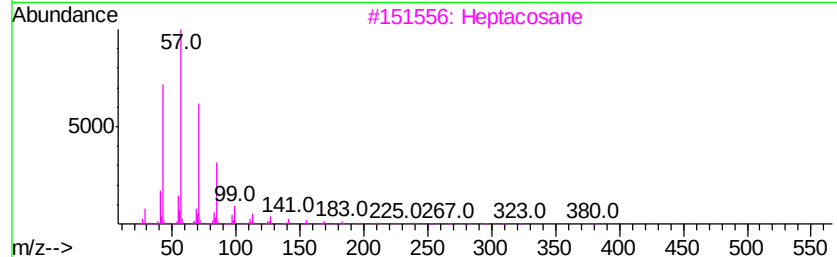
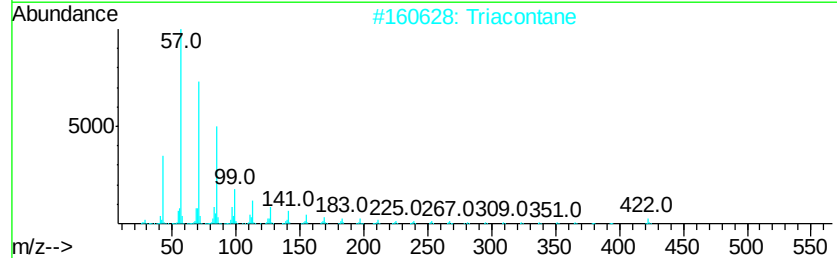
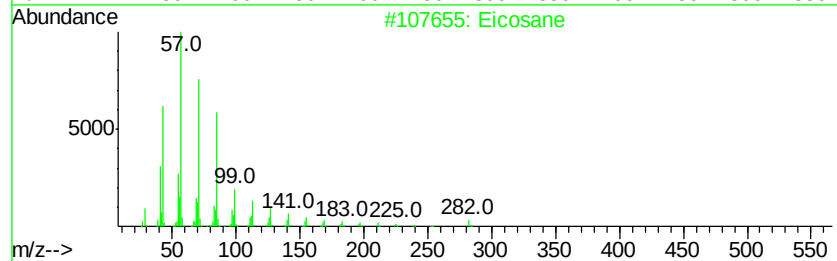
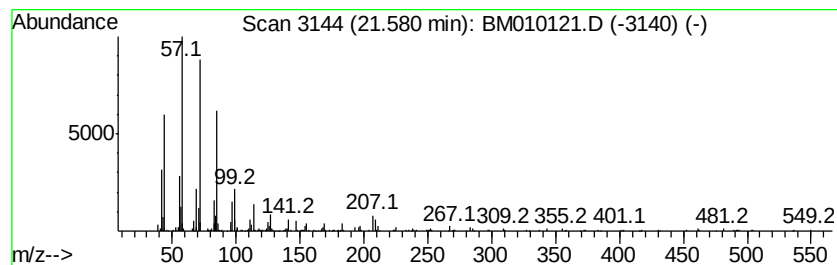
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Peak Number 6 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	3.16 ng	453469	Chrysene-d12	21.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	90
2		Triacontane	422	C30H62	000638-68-6	90
3		Heptacosane	380	C27H56	000593-49-7	90
4		Heneicosane	296	C21H44	000629-94-7	90
5		Docosane	310	C22H46	000629-97-0	87



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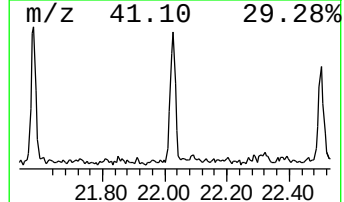
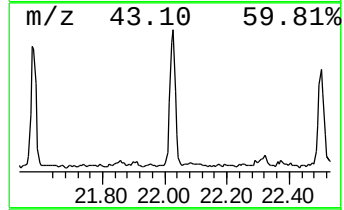
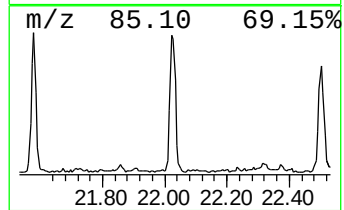
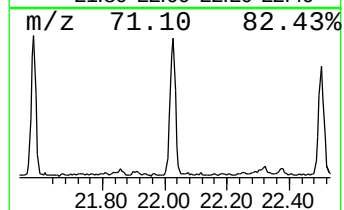
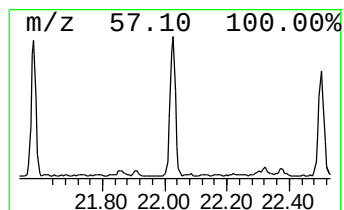
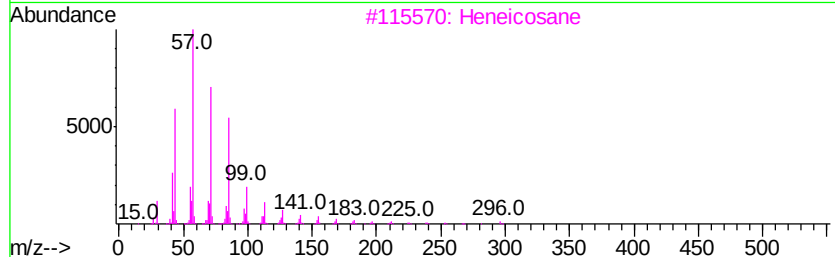
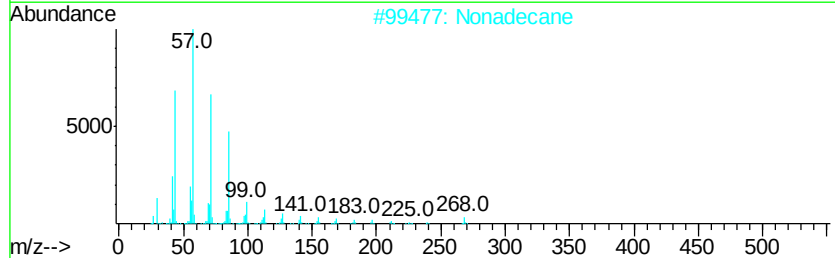
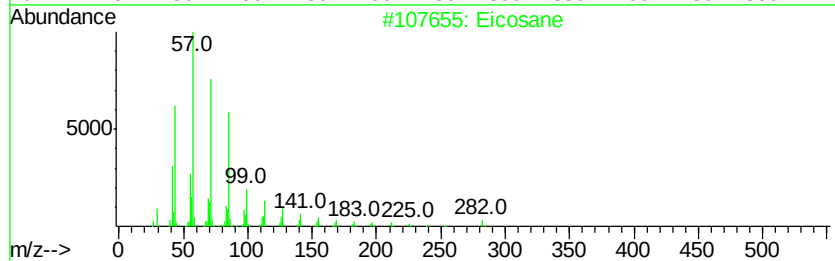
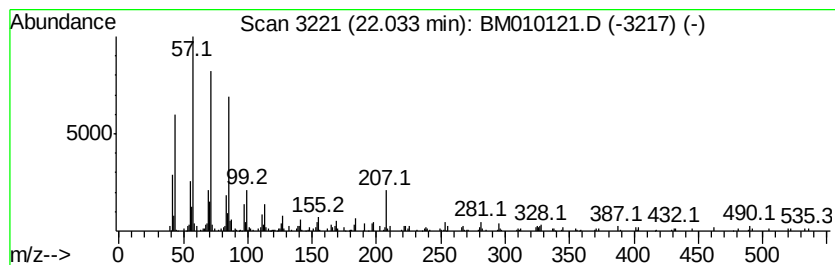
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TIC Integration Parameters: LSCINT.P

Peak Number 7 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.		
22.03	3.11 ng	446211	Chrysene-d12		21.50		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	93
2			Nonadecane	268	C19H40	000629-92-5	90
3			Heneicosane	296	C21H44	000629-94-7	90
4			Heptadecane	240	C17H36	000629-78-7	90
5			Octadecane	254	C18H38	000593-45-3	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052217\
Data File : BM010121.D
Acq On : 23 May 2017 02:23
Operator : SJ/MA
Sample : I3222-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EX-16

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.08	9.9	ng	437839	1	7.96	885962	20.0
unknown7.50	7.50	119.6	ng	5298460	1	7.96	885962	20.0
n-Hexadecanoic acid	18.19	3.7	ng	347789	4	17.34	1880130	20.0
Triacontane	21.14	2.9	ng	421125	5	21.50	2872050	20.0
Eicosane	21.58	3.2	ng	453469	5	21.50	2872050	20.0
Nonadecane	22.03	3.1	ng	446211	5	21.50	2872050	20.0