

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081418\
 Data File : BM016351.D
 Acq On : 14 Aug 2018 12:59
 Operator : SJ/JU
 Sample : J4405-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EXCAVATION-SOIL

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_M\METHODS\8270-BM072318.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	5.169	315	320	331	rBV	69142	105689	7.91%	1.305%
2	5.645	396	401	419	rBV	442191	691463	51.74%	8.535%
3	7.287	674	680	695	rBV	426790	711459	53.24%	8.782%
4	7.645	735	741	755	rBV	502879	789829	59.10%	9.749%
5	8.116	816	821	830	rBB	114295	182983	13.69%	2.259%
6	8.434	869	875	885	rBB	392239	625404	46.80%	7.720%
7	9.304	1017	1023	1032	rBV	258490	436819	32.69%	5.392%
8	10.927	1293	1299	1313	rBB	118381	203337	15.22%	2.510%
9	13.368	1708	1714	1725	rBV	582976	850989	63.68%	10.504%
10	14.204	1852	1856	1864	rBV	79341	109749	8.21%	1.355%
11	14.751	1944	1949	1957	rBB3	148157	224333	16.79%	2.769%
12	16.239	2197	2202	2213	rBB	522495	716885	53.64%	8.849%
13	17.486	2409	2414	2423	rBV	168840	249824	18.69%	3.084%
14	18.339	2551	2559	2567	rBV	64829	85180	6.37%	1.051%
15	19.598	2768	2773	2780	rBV2	38336	51722	3.87%	0.638%
16	20.068	2848	2853	2858	rBV	1202288	1336371	100.00%	16.495%
17	21.291	3058	3061	3067	rBV5	27535	40007	2.99%	0.494%
18	21.621	3112	3117	3122	rBV	270840	338873	25.36%	4.183%
19	23.944	3507	3512	3521	rBV2	176334	350566	26.23%	4.327%

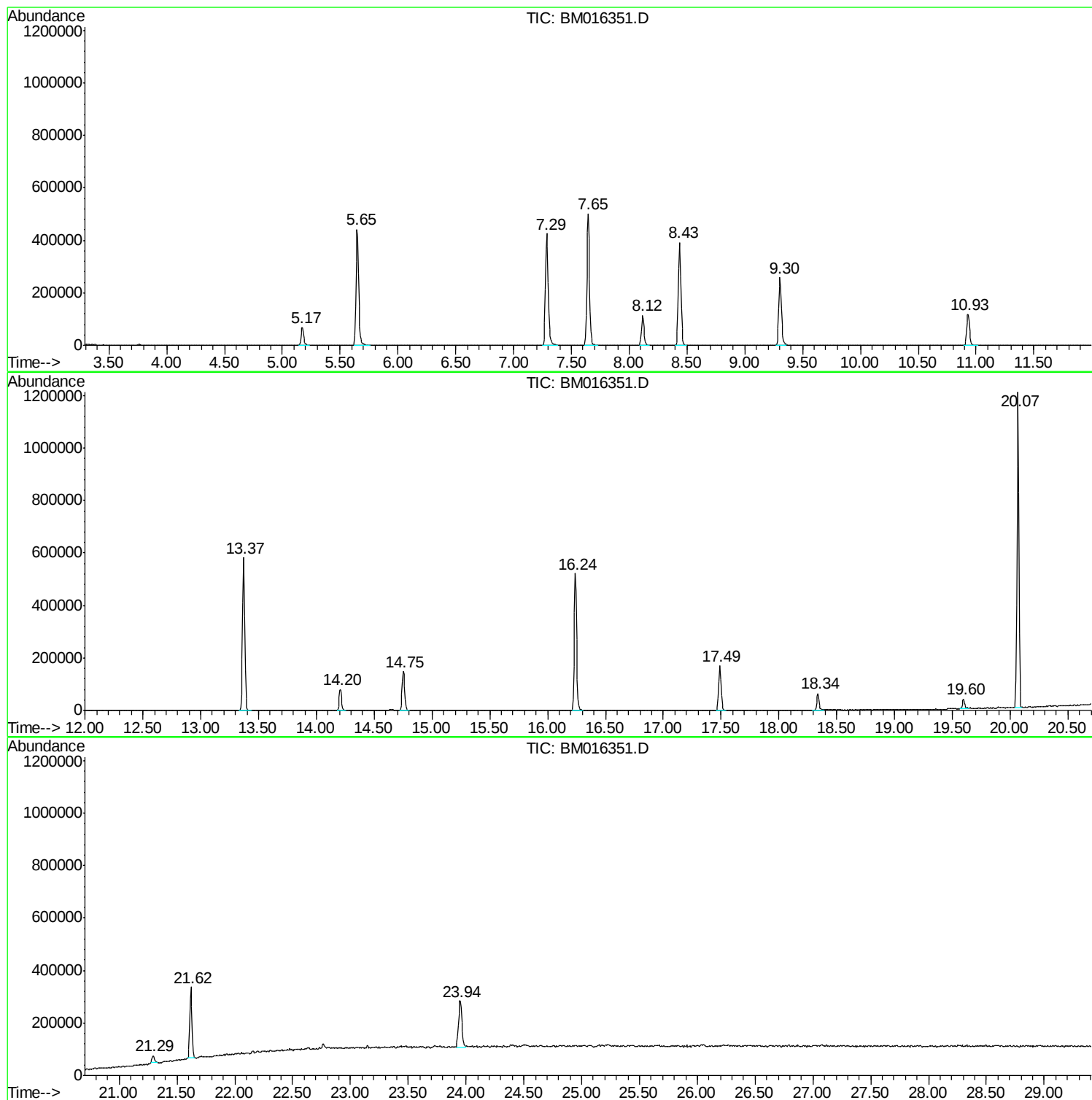
Sum of corrected areas: 8101482

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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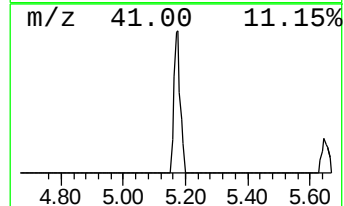
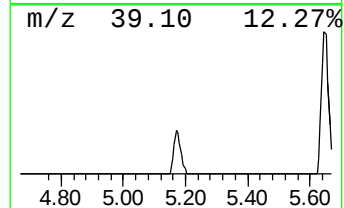
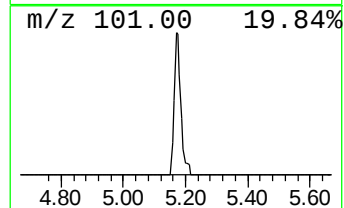
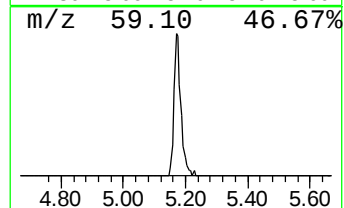
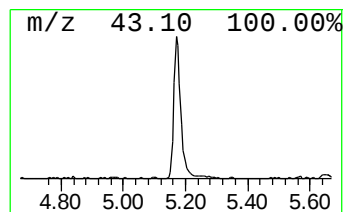
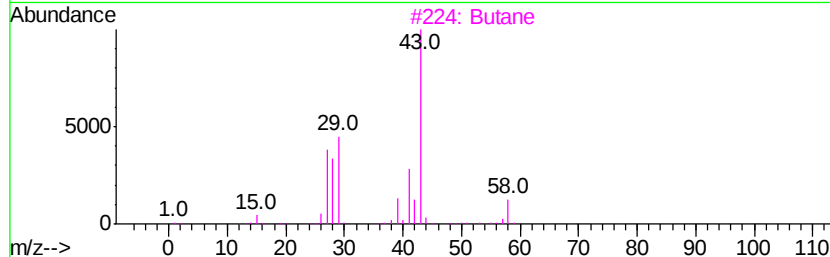
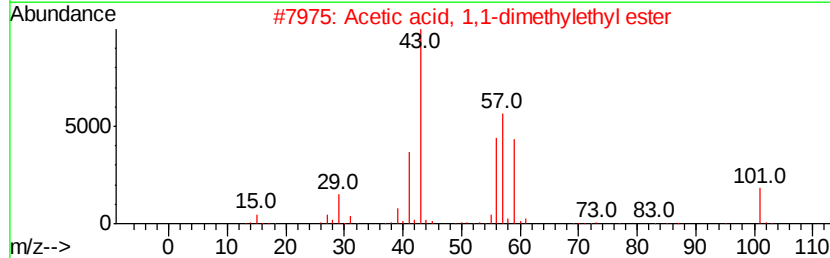
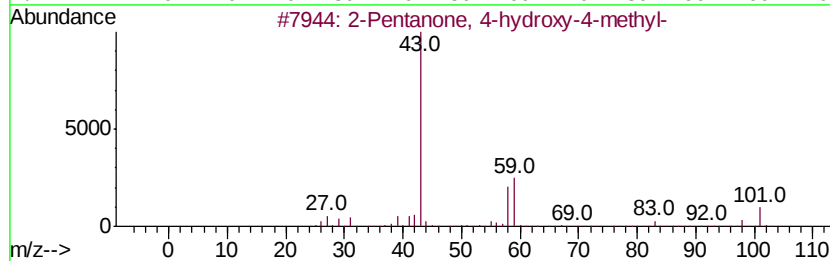
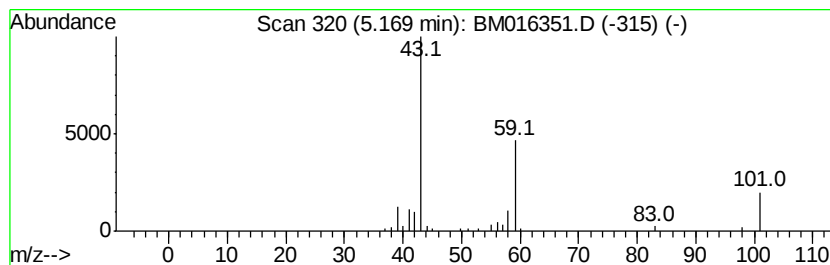
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	11.55 ng	105689	1,4-Dichlorobenzene-d4	8.12

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3			Butane	58	C4H10	000106-97-8	22
4			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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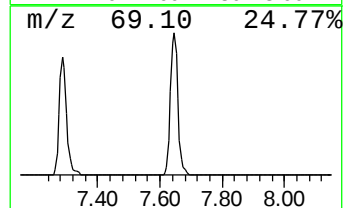
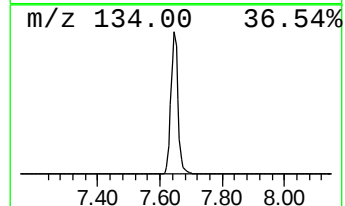
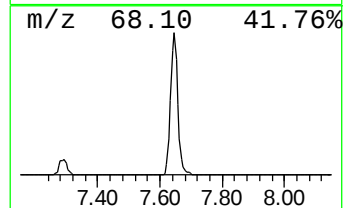
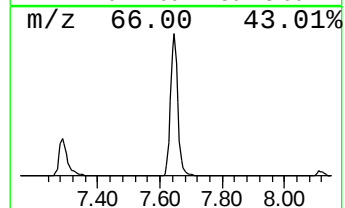
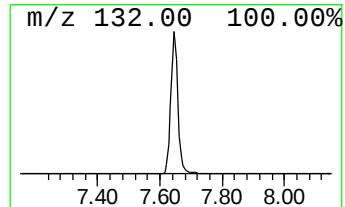
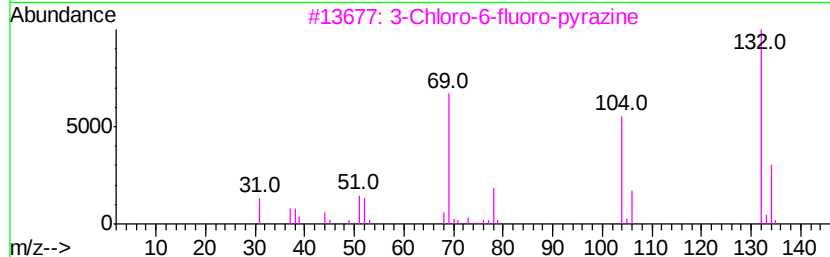
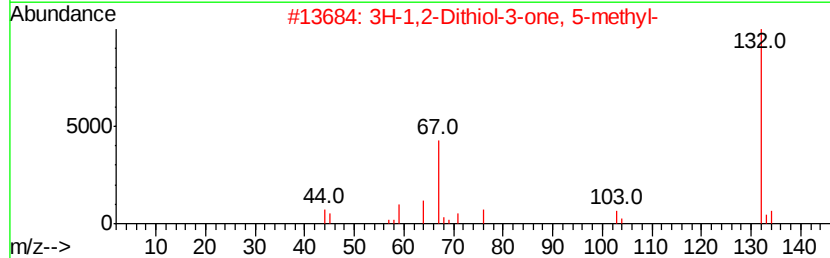
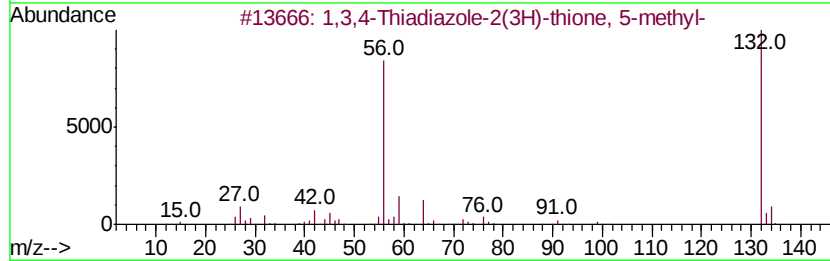
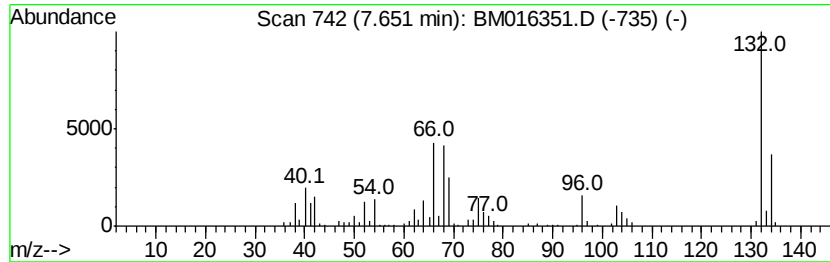
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Peak Number 2 unknown7.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	86.33 ng	789829	1,4-Dichlorobenzene-d4	8.12

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	14
2			3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	14
3			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
4			1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
5			Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	10



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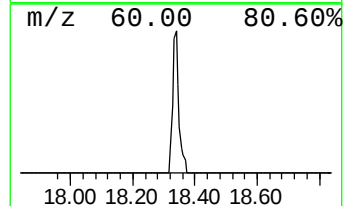
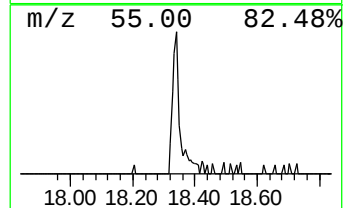
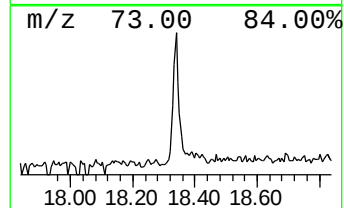
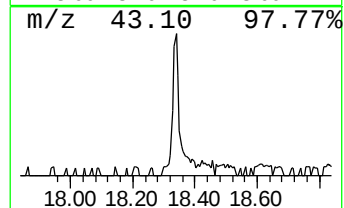
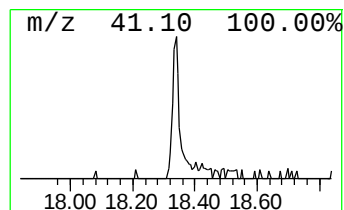
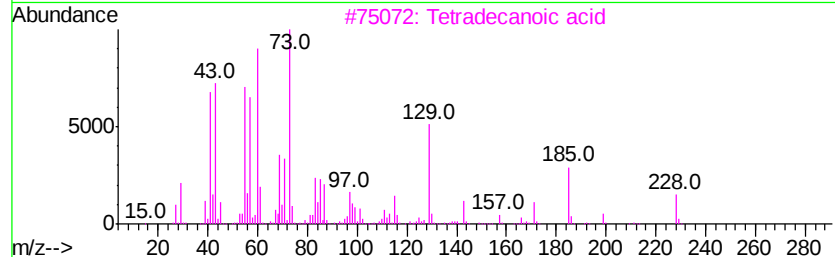
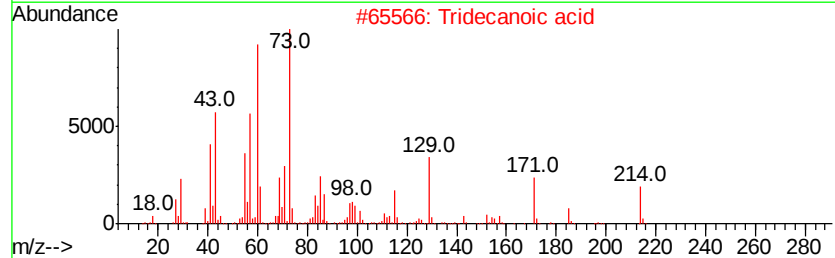
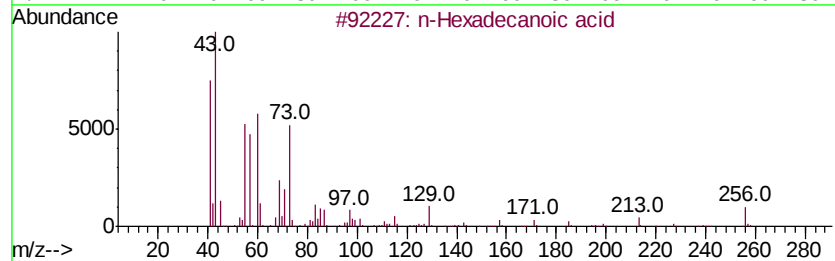
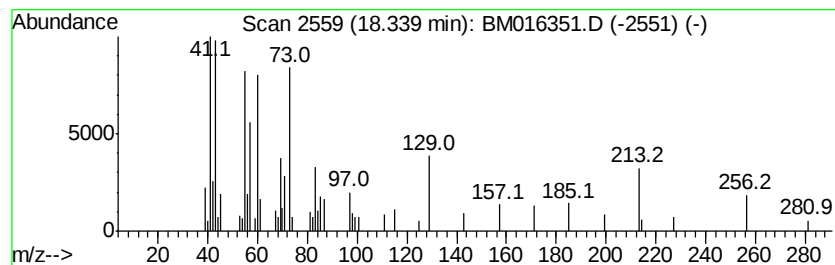
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Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	6.82 ng	85180	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	92
2		Tridecanoic acid	214	C13H26O2	000638-53-9	64
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	58
4		n-Decanoic acid	172	C10H20O2	000334-48-5	50
5		1-Phenazinecarboxylic acid, 6-[1...	506	C31H42N2O4	120464-92-8	47



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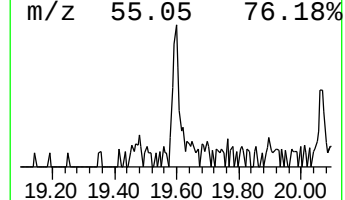
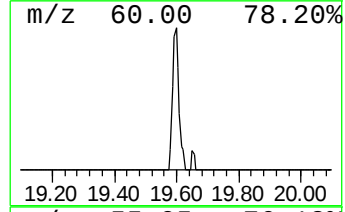
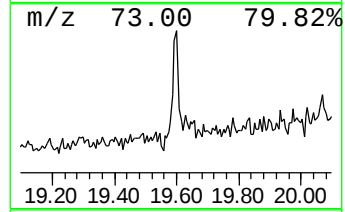
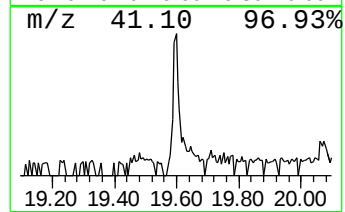
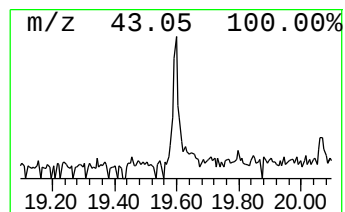
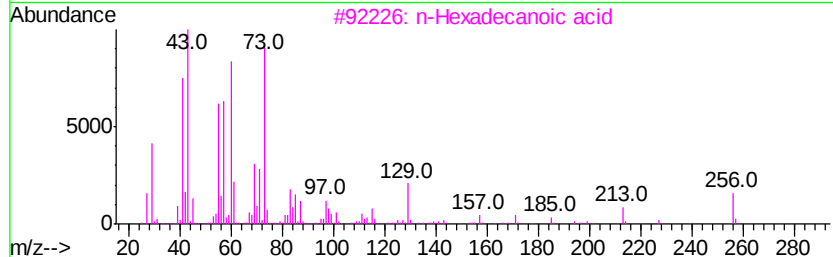
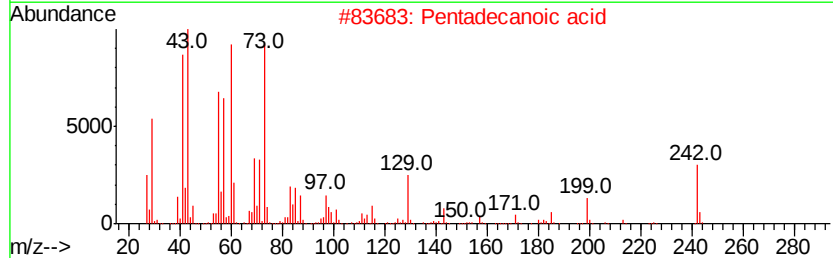
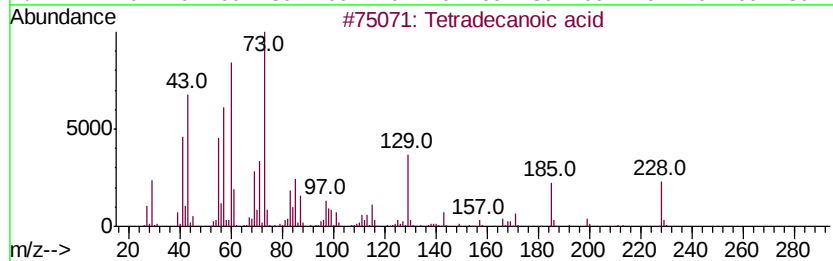
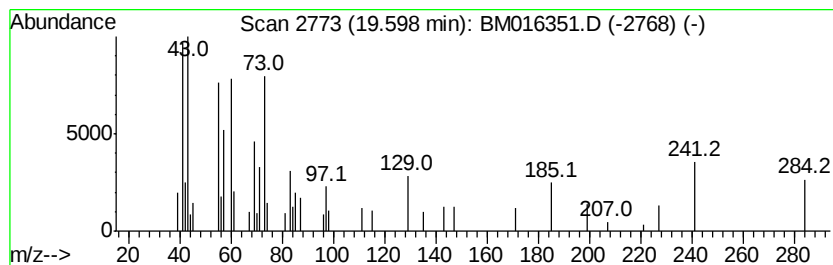
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Peak Number 5 Tetradecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.60	3.05 ng	51722	Chrysene-d12	21.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	58
3		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	50
4		Tridecanoic acid	214	C13H26O2	000638-53-9	50
5		Dodecanoic acid	200	C12H24O2	000143-07-7	47



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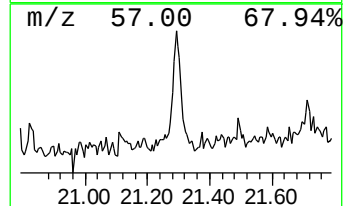
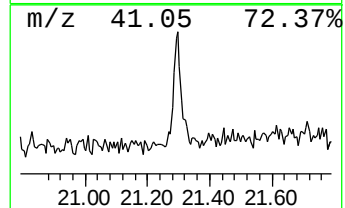
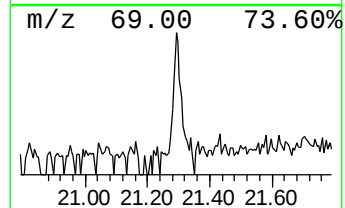
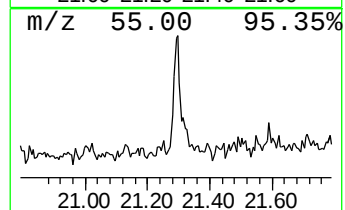
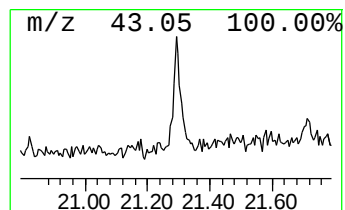
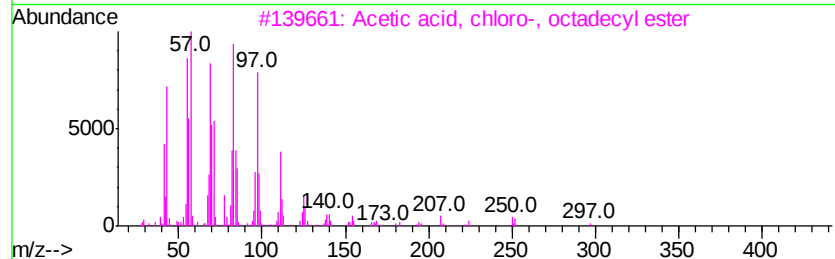
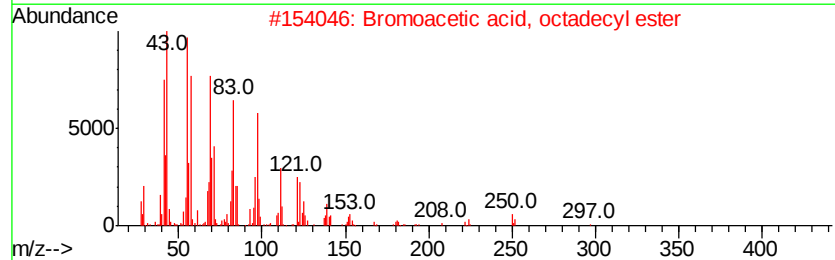
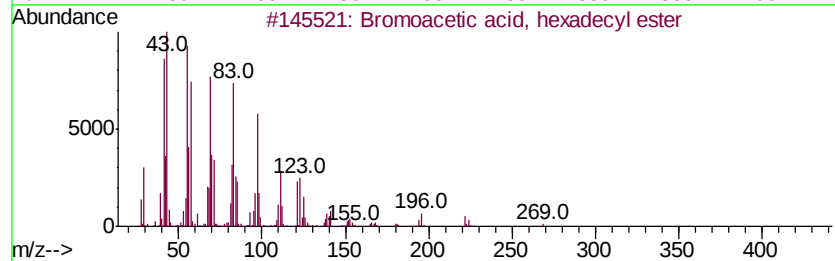
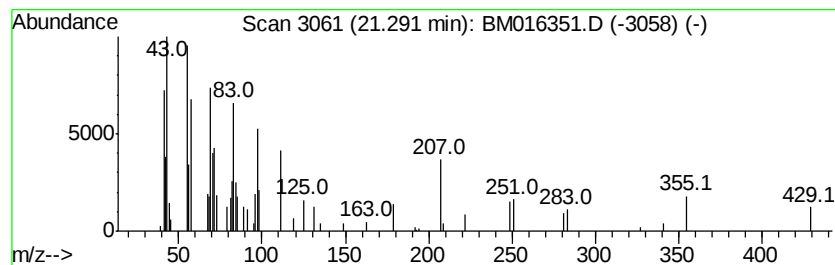
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Peak Number 6 Bromoacetic acid, hexadecyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.29	2.36 ng	40007	Chrysene-d12	21.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	60
2		Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	60
3		Acetic acid, chloro-, octadecyl ...	346	C20H39ClO2	005348-82-3	60
4		Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	58
5		3-Eicosene, (E)-	280	C20H40	074685-33-9	53



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TIC Library : C:\DATABASE\NIST02.L
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TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.17	11.6	ng	105689	1	8.12	182983	20.0
unknown7.65	7.65	86.3	ng	789829	1	8.12	182983	20.0
n-Hexadecanoic acid	18.34	6.8	ng	85180	4	17.49	249824	20.0
Tetradecanoic acid	19.60	3.0	ng	51722	5	21.62	338873	20.0
Bromoacetic acid,...	21.29	2.4	ng	40007	5	21.62	338873	20.0