

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052217\
 Data File : BM010120.D
 Acq On : 23 May 2017 01:47
 Operator : SJ/MA
 Sample : I3222-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EX-15

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 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	335	339	348	rBV	242307	350322	3.47%	0.673%
2	5.540	411	417	435	rBV	2805267	4123517	40.87%	7.924%
3	7.152	684	691	706	rBV	2500485	4032777	39.97%	7.750%
4	7.504	743	751	762	rBV	2752470	4344156	43.05%	8.348%
5	7.957	822	828	840	rBV	577019	940337	9.32%	1.807%
6	8.281	876	883	895	rVB	2098387	3386265	33.56%	6.507%
7	9.151	1022	1031	1045	rBV	1466522	2425283	24.04%	4.661%
8	10.769	1299	1306	1314	rBV	669335	1122843	11.13%	2.158%
9	13.216	1715	1722	1734	rBV	3841525	5525267	54.76%	10.618%
10	14.057	1859	1865	1873	rVB	247356	357530	3.54%	0.687%
11	14.592	1949	1956	1963	rBV2	1017075	1526397	15.13%	2.933%
12	16.080	2203	2209	2221	rBV	3333914	4712194	46.70%	9.055%
13	17.339	2417	2423	2429	rBV2	1362095	1980992	19.63%	3.807%
14	18.186	2562	2567	2573	rBV	261862	384564	3.81%	0.739%
15	19.315	2756	2759	2762	rBV3	69449	109074	1.08%	0.210%
16	19.457	2779	2783	2790	rBV5	95871	171153	1.70%	0.329%
17	19.939	2859	2865	2871	rBV	8404474	10090022	100.00%	19.389%
18	21.498	3125	3130	3135	rBV	2477356	3083323	30.56%	5.925%
19	23.862	3526	3532	3541	rVB	1752386	3372651	33.43%	6.481%

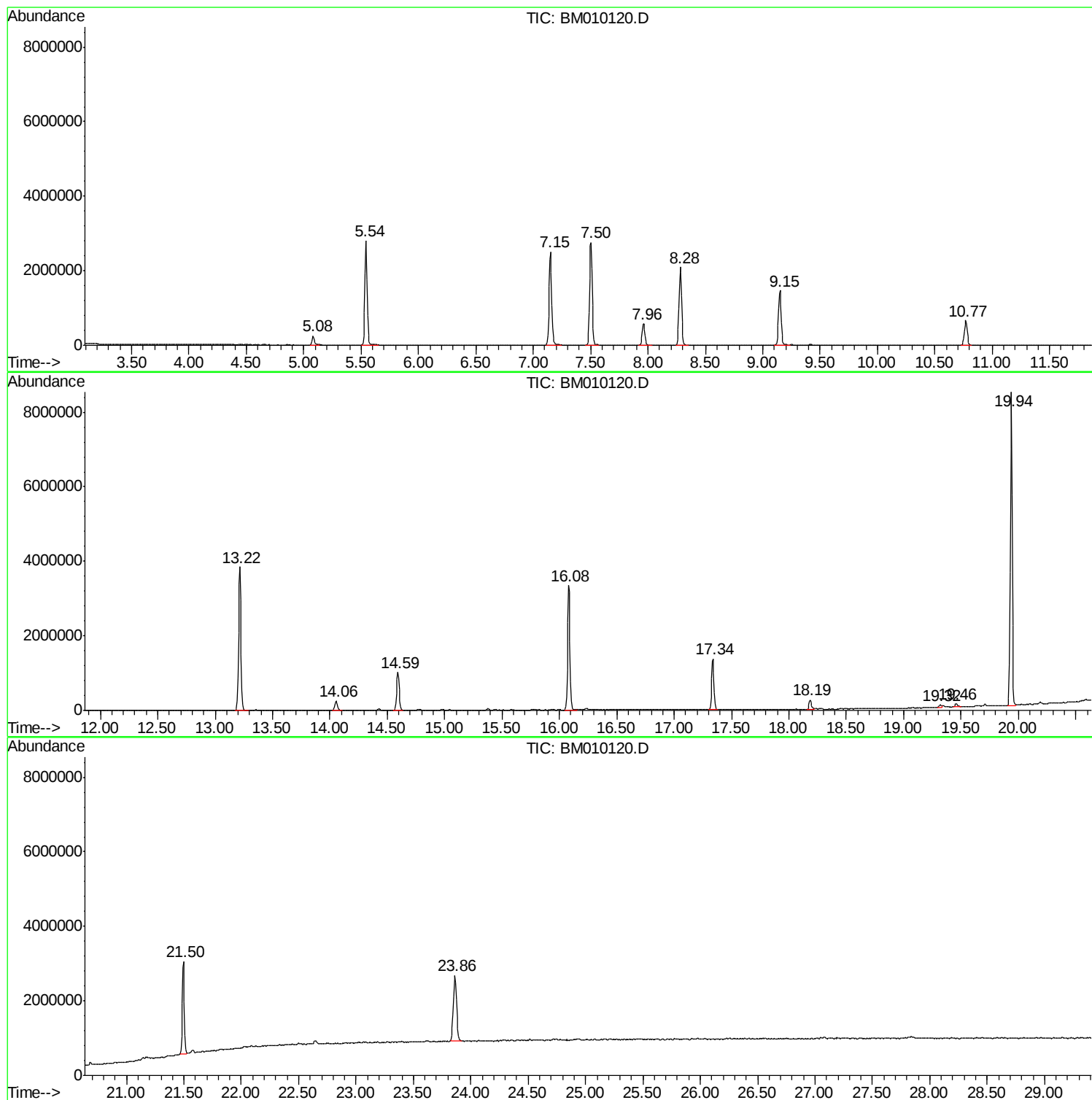
Sum of corrected areas: 52038667

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ClientSampled :
EX-15

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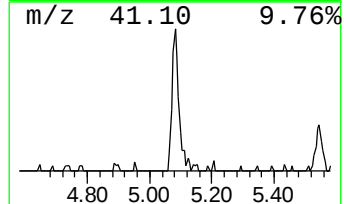
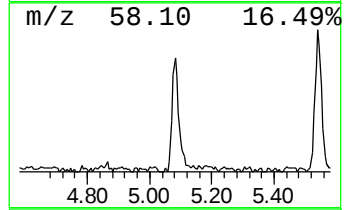
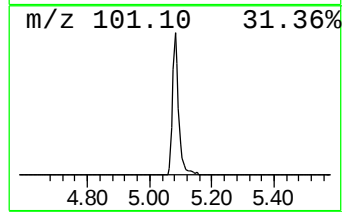
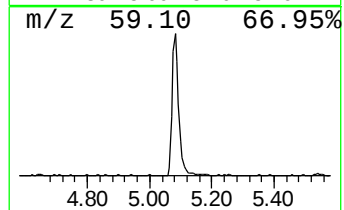
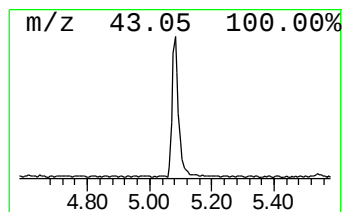
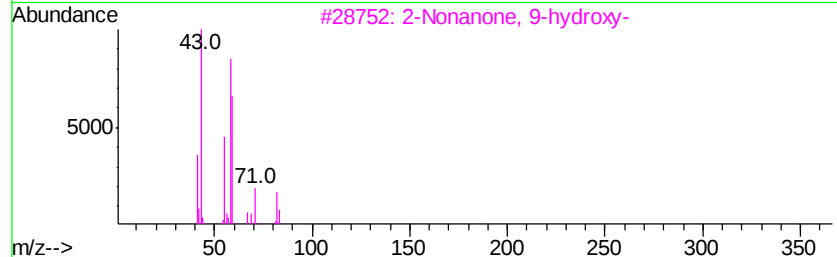
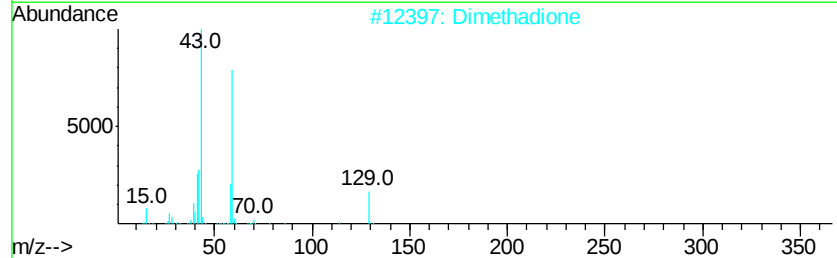
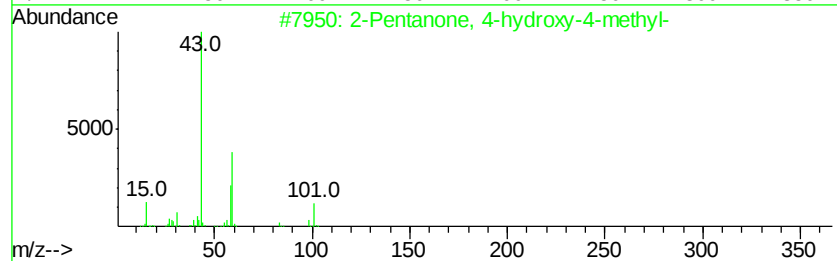
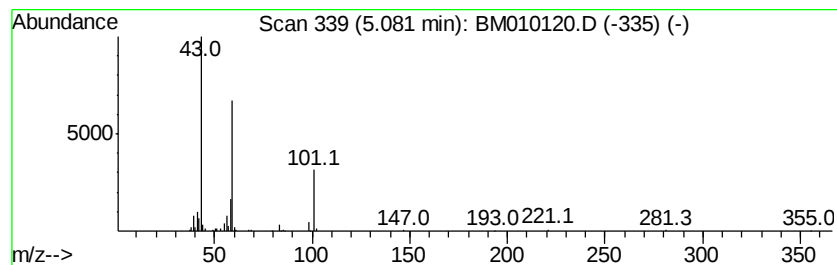
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	7.45 ng	350322	1,4-Dichlorobenzene-d4	7.96

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Dimethadione	129	C5H7NO3	000695-53-4	33
3			2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	25
4			Acetic acid, 10,11-dihydroxy-3,7...	298	C17H30O4	1000194-28-5	25
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	16



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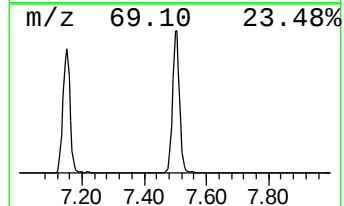
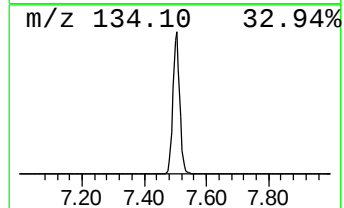
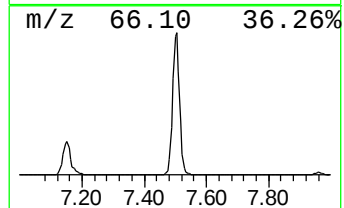
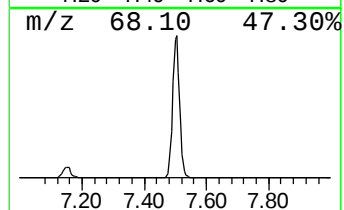
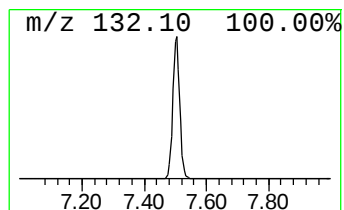
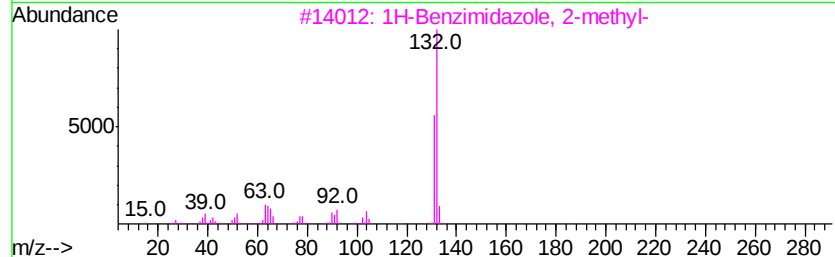
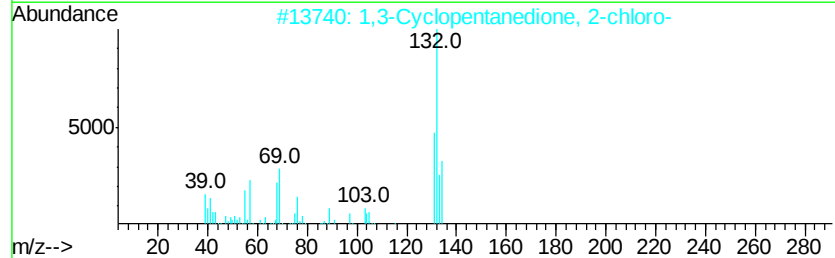
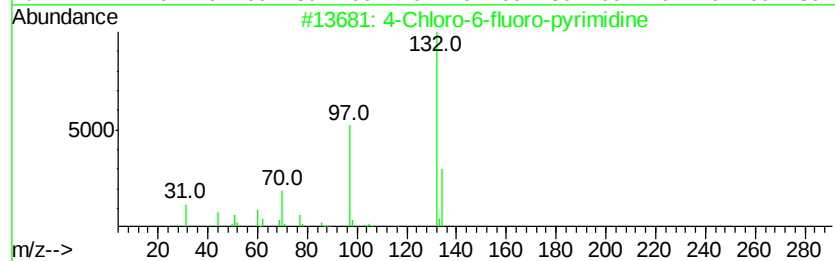
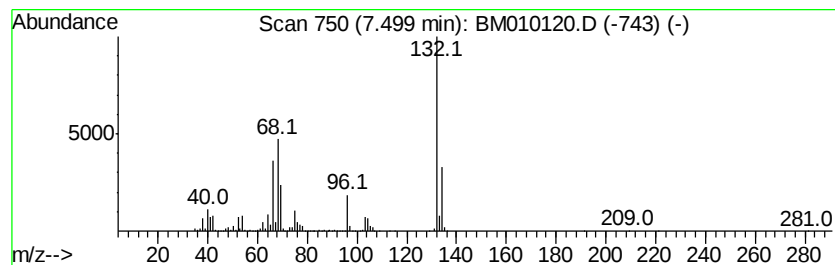
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Peak Number 2 unknown7.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	92.40 ng	4344160	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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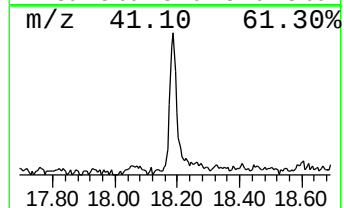
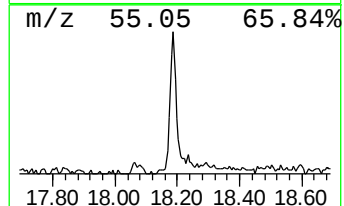
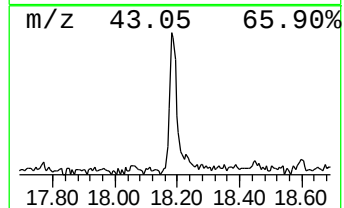
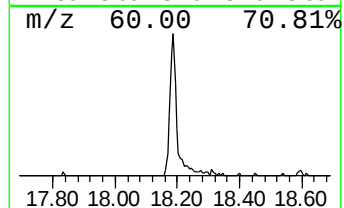
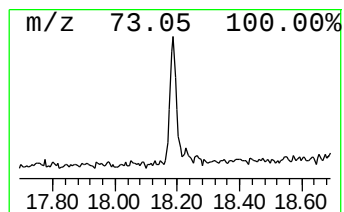
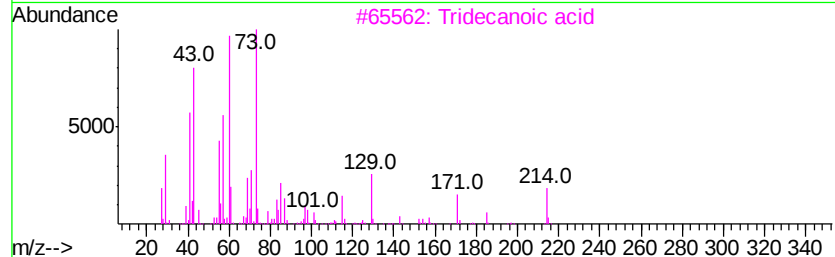
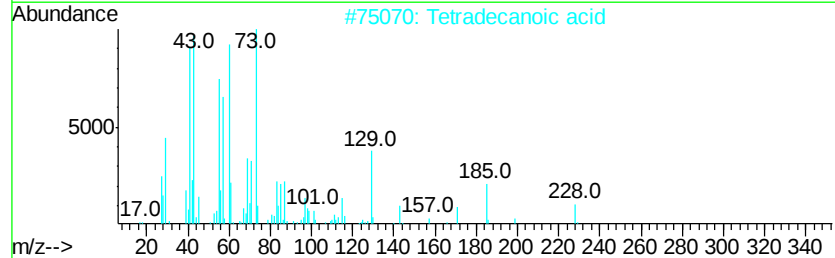
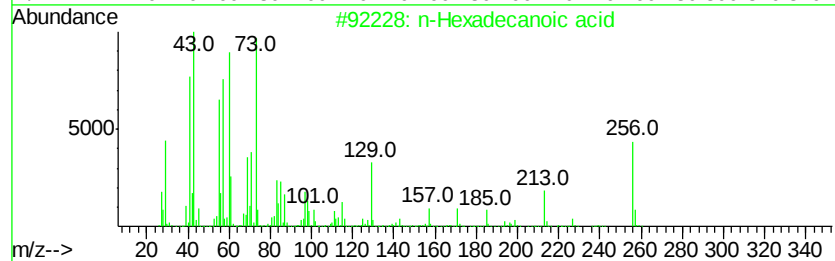
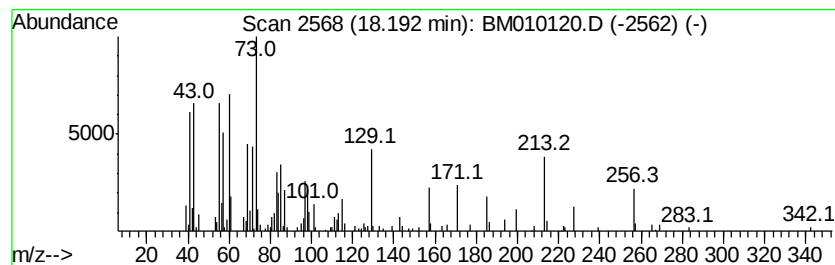
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Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.19	3.88 ng	384564	Phenanthrene-d10	17.34	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	81
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70



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TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.08	7.5	ng	350322	1	7.96	940337	20.0
unknown7.50	7.50	92.4	ng	4344160	1	7.96	940337	20.0
n-Hexadecanoic acid	18.19	3.9	ng	384564	4	17.34	1980990	20.0