LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013447.D
Acq On : 15 Dec 2017 20:22
Operator : SJ/JU
Sample : I6801-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A32

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.228	21	24	31	rVB3	50771	76756	1.59%	0.122%
2	3.728	106	109	116	rVB3	52703	66724	1.38%	0.106%
3	4.840	293	298	305	rVB	114973	169006	3.50%	0.268%
4	5.475	400	406	412	rBV	162093	261994	5.43%	0.415%
5	6.857	634	641	653	rVB	942357	1652494	34.26%	2.620%
6	7.016	662	668	678	rVB	691741	1080729	22.41%	1.713%
7	7.210	693	701	712	rBV	968756	1521053	31.54%	2.412%
8	7.675	773	780	788	rBV	851953	1310383	27.17%	2.078%
9	8.381	893	900	909	rBV	1143362	1847759	38.31%	2.930%
10	8.828	969	976	984	rBV	950386	1529610	31.72%	2.425%
11	9.545	1091	1098	1107	rBV	808977	1340082	27.79%	2.125%
12	10.081	1180	1189	1200	rBV	1229662	2043368	42.37%	3.240%
13	10.451	1245	1252	1258	rBV	1124689	1860389	38.57%	2.950%
14	10.598	1269	1277	1289	rBV	716534	1252089	25.96%	1.985%
15	11.986	1505	1513	1519	rBV	278173	464039	9.62%	0.736%
16	13.733	1803	1810	1814	rBV	2235333	3074117	63.74%	4.874%
17	13.780	1814	1818	1826	rVB	647392	884554	18.34%	1.402%
18	14.010	1850	1857	1867	rBV	2462041	3685875	76.43%	5.844%
19	14.222	1888	1893	1898	rVB	63821	82349	1.71%	0.131%
20	14.316	1902	1909	1918	rBV2	1546586	2457590	50.96%	3.896%
21	14.533	1940	1946	1960	rBV	784844	1283909	26.62%	2.036%
22	15.151	2041	2051	2053	rBV3	37090	66976	1.39%	0.106%
23	15.180	2053	2056	2061	rVB	97094	114337	2.37%	0.181%
24	15.316	2072	2079	2086	rBV	2992419	4227296	87.65%	6.702%
25	15.445	2095	2101	2114	rBV	858121	1193253	24.74%	1.892%
26	15.557	2114	2120	2124	rBV3	40344	80681	1.67%	0.128%
27	16.045	2197	2203	2210	rBV4	95644	190617	3.95%	0.302%
28	16.727	2314	2319	2324	rVB5	75189	109380	2.27%	0.173%
29	16.833	2333	2337	2343	rBV6	45611	65859	1.37%	0.104%
30	17.068	2370	2377	2382	rVV2	1930441	2769154	57.42%	4.390%
31	17.110	2382	2384	2388	rVV	105257	126087	2.61%	0.200%
32	17.168	2388	2394	2405	rVV	2978488	4392015	91.07%	6.963%
33	17.480	2442	2447	2455	rVB2	54578	102987	2.14%	0.163%
34	17.574	2460	2463	2468	rVB5	33295	48282	1.00%	0.077%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013447.D
Acq On : 15 Dec 2017 20:22
Operator : SJ/JU
Sample : I6801-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A32

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

35	17.686	2478	2482	2485	rVB6	38431	48246	1.00%	0.076%
36	17.910	2516	2520	2523	rBV4	30710	49951	1.04%	0.079%
37	17.974	2526	2531	2540	rVV2	344972	543213	11.26%	0.861%
38	18.139	2554	2559	2563	rBV4	38191	68142	1.41%	0.108%
39	18.262	2576	2580	2584	rBV4	40647	61423	1.27%	0.097%
40	18.492	2615	2619	2624	rVB2	59505	95245	1.97%	0.151%
41	19.009	2702	2707	2713	rBV	89072	142998	2.97%	0.227%
42	19.127	2718	2727	2735	rVV	887725	1315392	27.27%	2.086%
43	19.257	2742	2749	2757	rBV6	181261	322633	6.69%	0.512%
44	19.351	2762	2765	2771	rVV4	44616	72133	1.50%	0.114%
45	19.468	2779	2785	2788	rBV	3200622	4822787	100.00%	7.646%
46	19.568	2799	2802	2809	rVB4	51650	88785	1.84%	0.141%
47	19.739	2827	2831	2836	rVB	101541	149520	3.10%	0.237%
48	19.827	2840	2846	2852	rBV4	87515	197885	4.10%	0.314%
49	19.956	2863	2868	2870	rBV4	120281	197887	4.10%	0.314%
50	19.986	2871	2873	2877	rVB3	129416	145698	3.02%	0.231%
51	20.092	2888	2891	2894	rVB2	53601	60355	1.25%	0.096%
52	20.145	2894	2900	2904	rBV3	136991	245588	5.09%	0.389%
53	20.186	2905	2907	2912	rVB5	48732	57862	1.20%	0.092%
54	20.286	2921	2924	2928	rBV	86080	118306	2.45%	0.188%
55	20.333	2929	2932	2936	rVB2	52843	85281	1.77%	0.135%
56	20.739	2998	3001	3007	rVB	142246	204363	4.24%	0.324%
57	20.903	3026	3029	3033	rVB2	109995	154458	3.20%	0.245%
58	20.945	3033	3036	3038	rVV	122823	147238	3.05%	0.233%
59	20.974	3038	3041	3048	rVV3	679964	955600	19.81%	1.515%
60	21.033	3049	3051	3057	rVB	106119	151511	3.14%	0.240%
61	21.256	3083	3089	3093	rBV2	1919448	3124869	64.79%	4.954%
62	21.292	3093	3095	3107	rVB	582812	801243	16.61%	1.270%
63	21.415	3113	3116	3123	rBV6	77559	162160	3.36%	0.257%
64	21.562	3139	3141	3147	rVB4	95944	139767	2.90%	0.222%
65	22.815	3348	3354	3359	rBV	749901	1581736	32.80%	2.508%
66	22.986	3379	3383	3390	rVB2	102457	172336	3.57%	0.273%
67	23.292	3431	3435	3438	rBV	234093	384349	7.97%	0.609%
68	23.339	3438	3443	3449	rVV2	1544225	2858985	59.28%	4.533%
69	23.480	3461	3467	3474	rBV	1058776	1912696	39.66%	3.033%

Sum of corrected areas: 63072434

LSC Report - Integrated Chromatogram

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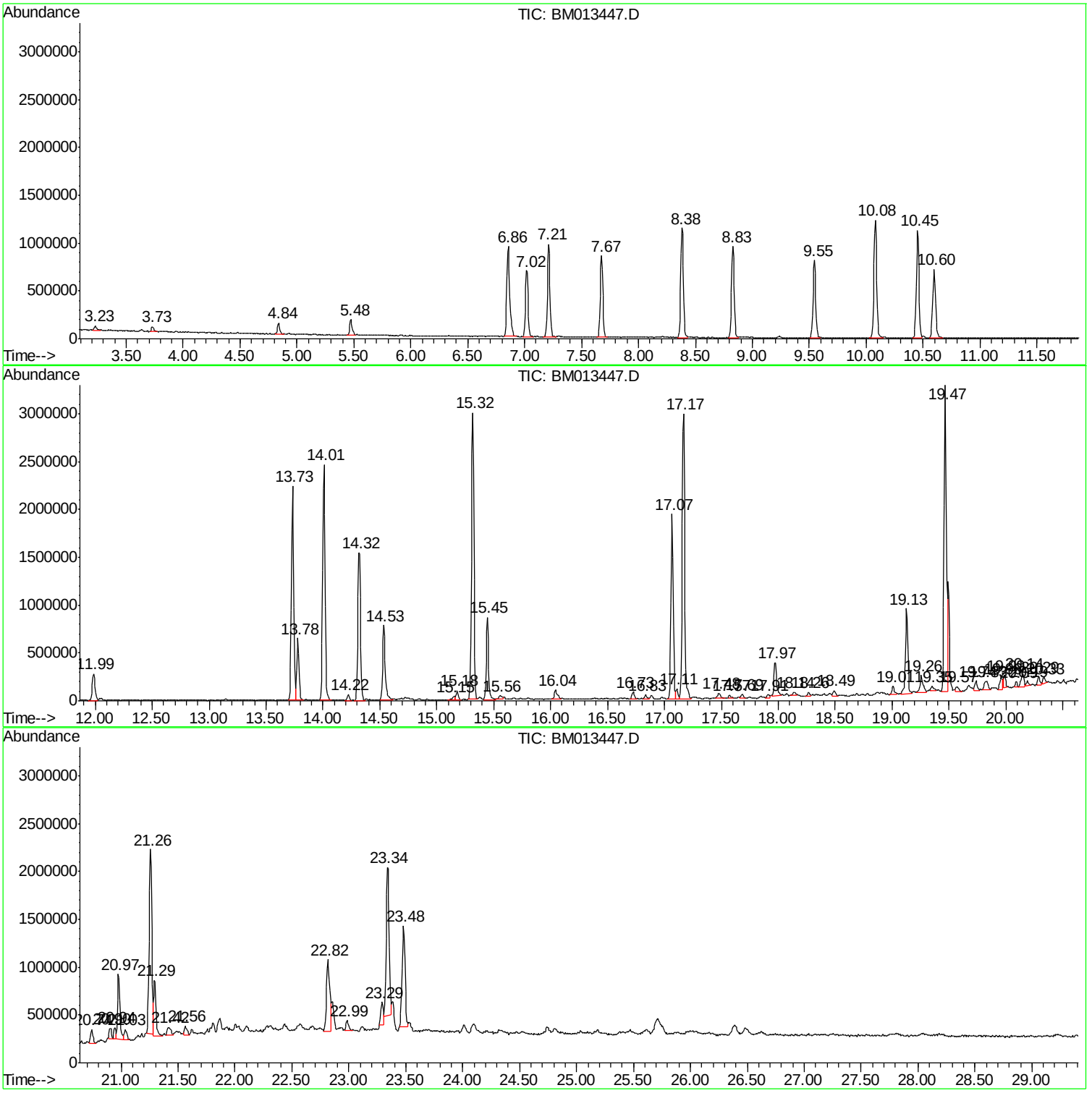
Operator : SJ/JU
Sample : I6801-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013447.D
Acq On : 15 Dec 2017 20:22
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Quant Title : SVOA CALIBRATION

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

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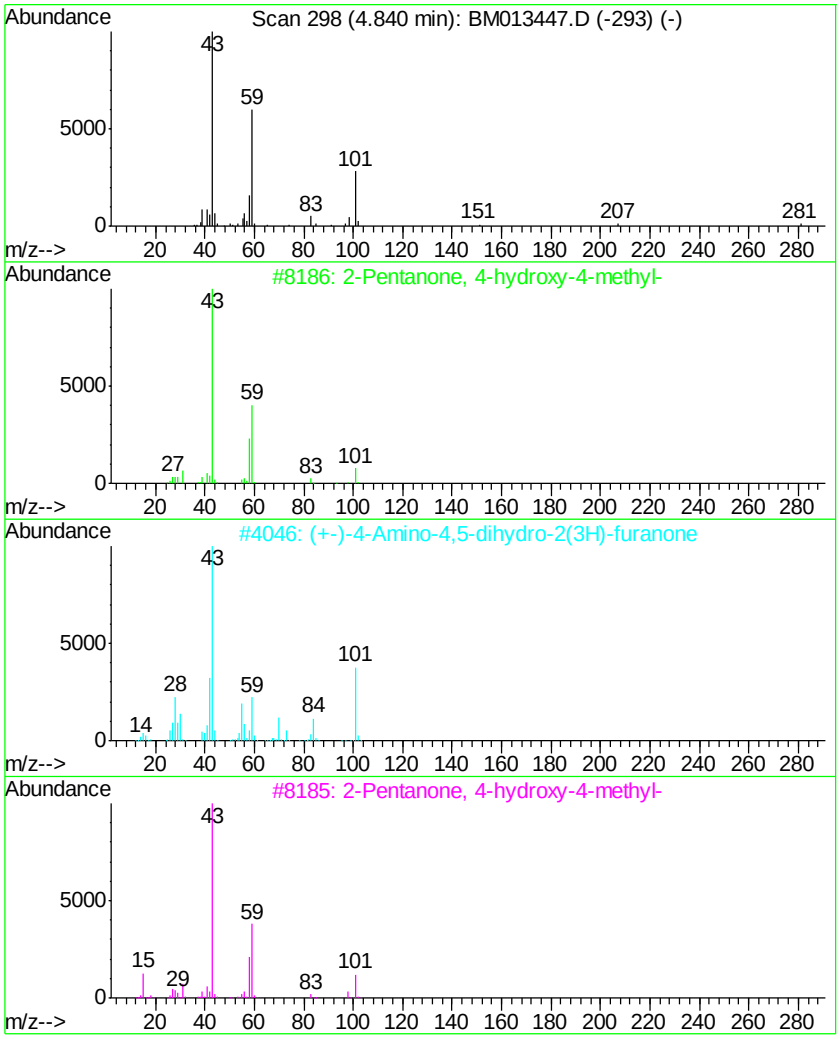
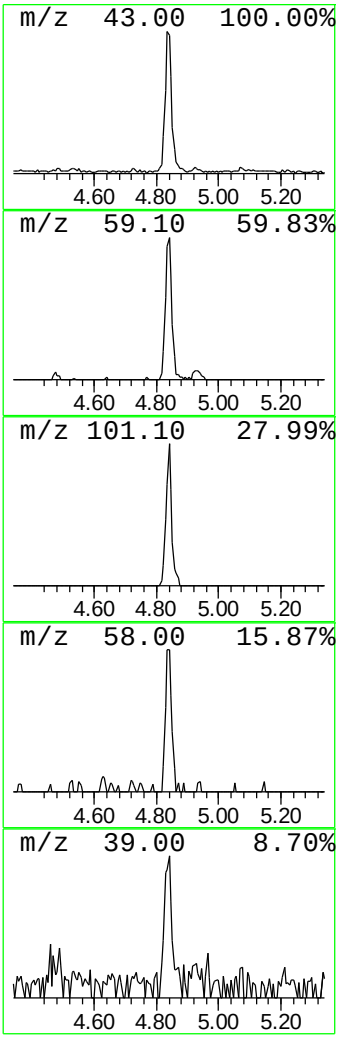
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.84	2.58 ng/ul	169006	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	43
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
4	Propane, 1,1-dipropoxy-	160	C9H20O2	004744-11-0	38
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38





Library Search Compound Report

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Acq On : 15 Dec 2017 20:22
Operator : SJ/JU
Sample : I6801-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

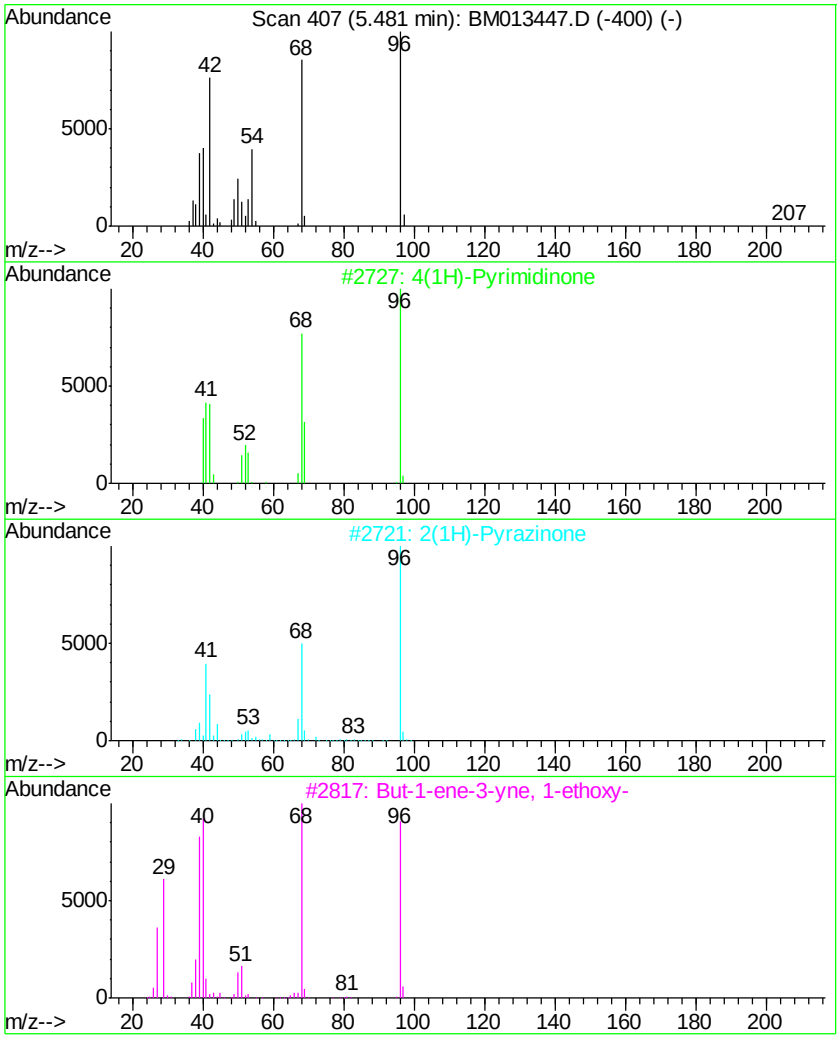
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

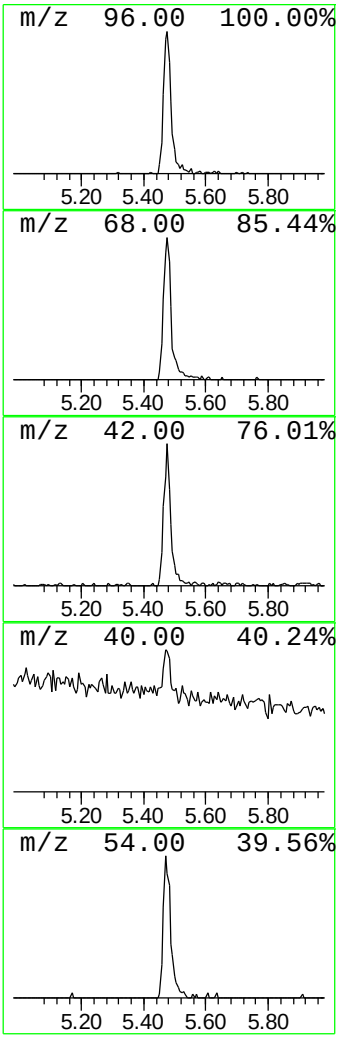
****

Peak Number 2 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.48	4.00 ng/ul	261994	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4(1H)-Pyrimidinone	96	C4H4N2O	004562-27-0	49
2	2(1H)-Pyrazinone	96	C4H4N2O	006270-63-9	43
3	But-1-ene-3-yne, 1-ethoxy-	96	C6H8O	002806-41-9	43
4	1H-Tetrazole, 5-vinyl-	96	C3H4N4	018755-47-0	40
5	1H-Imidazole-2-carboxaldehyde	96	C4H4N2O	010111-08-7	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013447.D
Acq On : 15 Dec 2017 20:22
Operator : SJ/JU
Sample : I6801-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

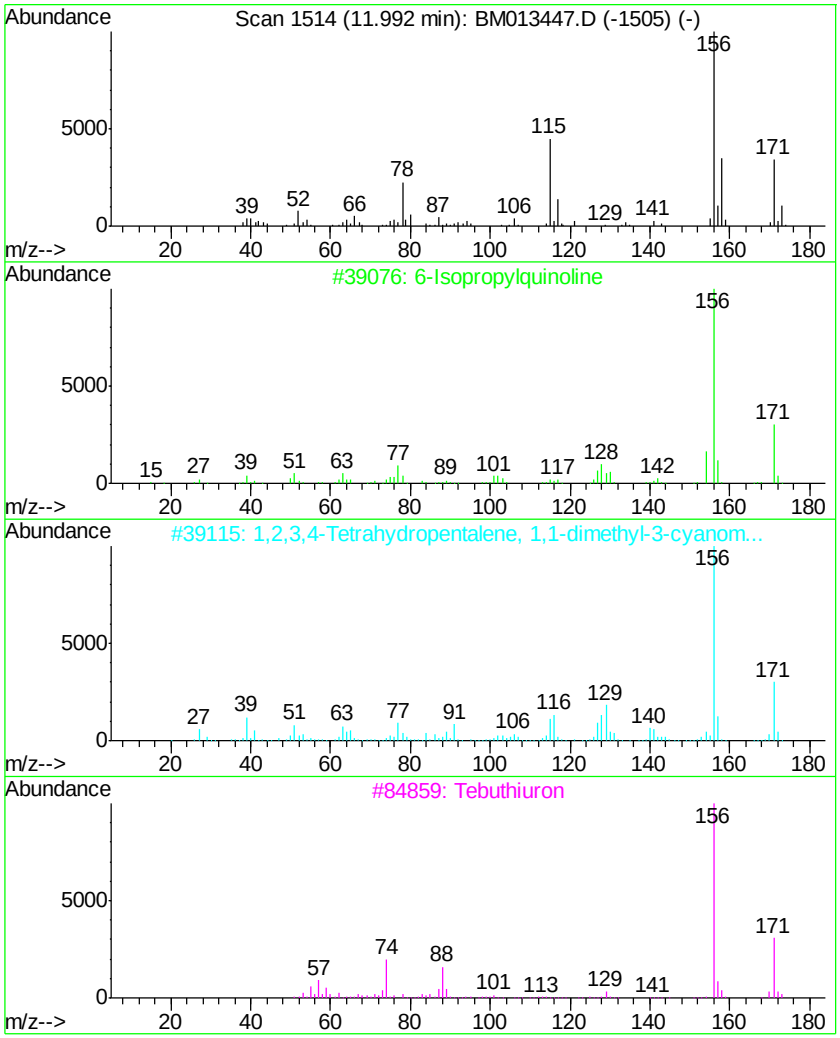
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

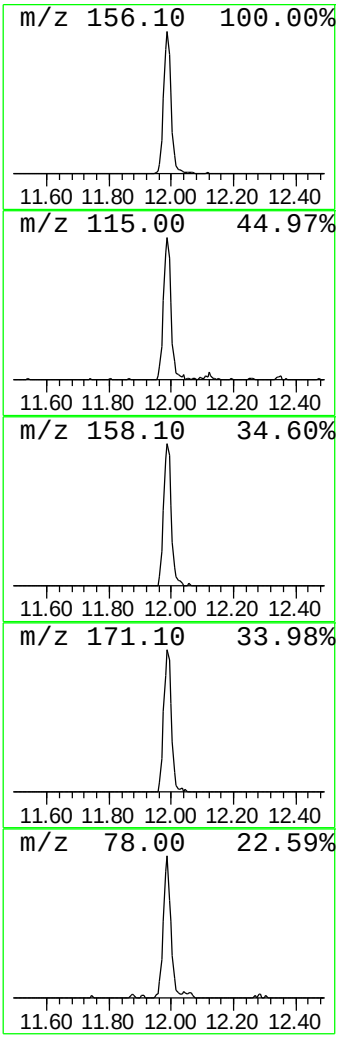
****

Peak Number 3 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	4.99 ng/ul	464039	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Isopropylquinoline	171	C12H13N	000135-79-5	43
2	1,2,3,4-Tetrahydropentalene, 1,1...	171	C12H13N	1000217-18-6	37
3	Tebuthiuron	228	C9H16N4OS	034014-18-1	37
4	Bicyclo[3.2.0]hept-2-ene, 4-isop...	171	C12H13N	1000217-15-6	32
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013447.D
Acq On : 15 Dec 2017 20:22
Operator : SJ/JU
Sample : I6801-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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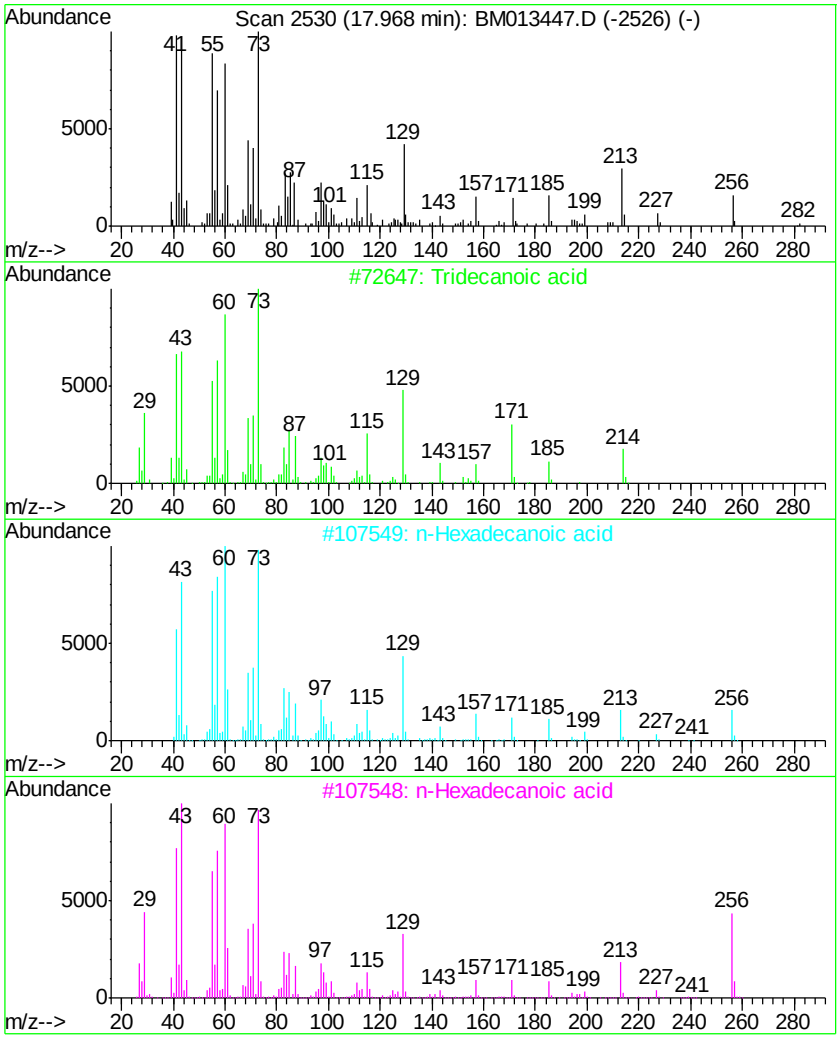
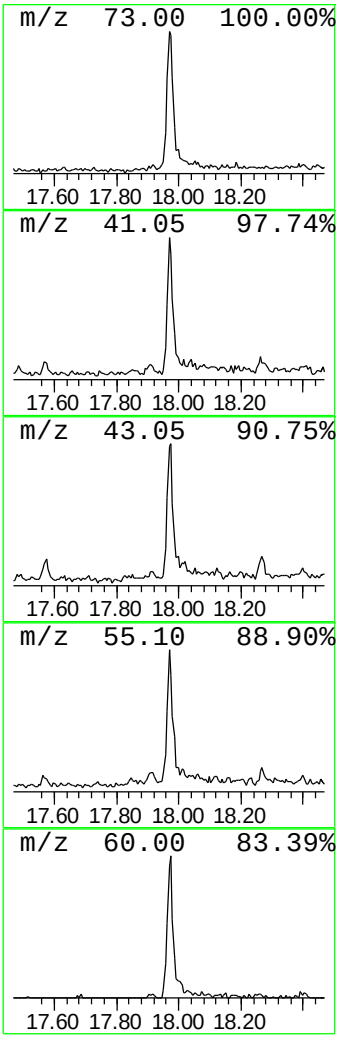
Peak Number 4 Tridecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	3.92 ng/ul	543213	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	90
5	Tridecanoic acid	214	C13H26O2	000638-53-9	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013447.D
Acq On : 15 Dec 2017 20:22
Operator : SJ/JU
Sample : I6801-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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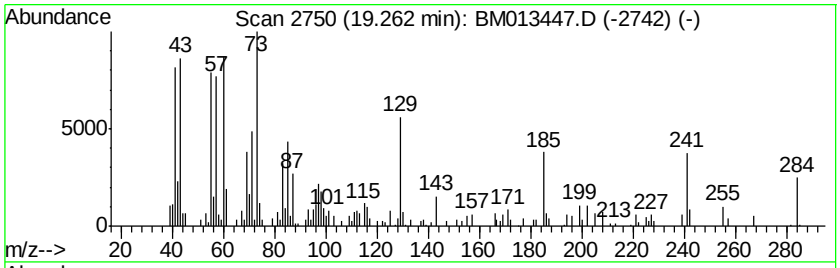
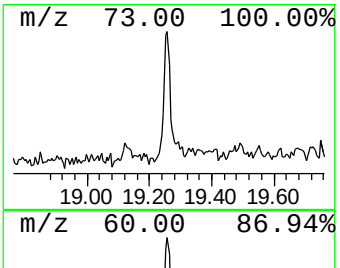
Peak Number 5 Pentadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	2.06 ng/ul	322633	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
2	Octadecanoic acid	284	C18H36O2	000057-11-4	76
3	n-Decanoic acid	172	C10H20O2	000334-48-5	58
4	n-Decanoic acid	172	C10H20O2	000334-48-5	55
5	Octadecanoic acid	284	C18H36O2	000057-11-4	53





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Sample : I6801-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

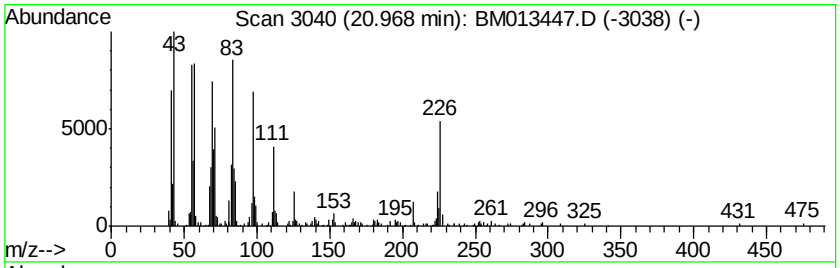
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

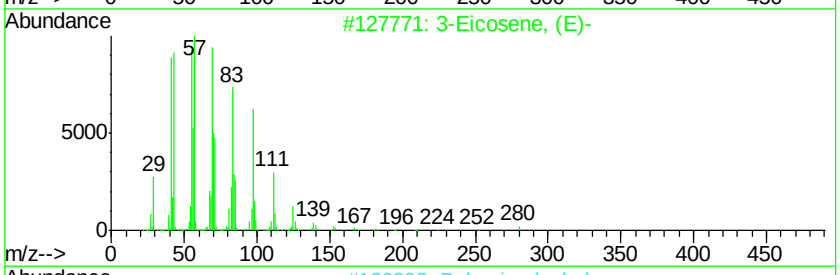
****

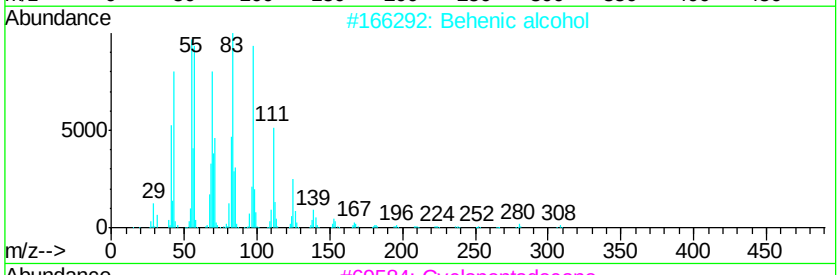
Peak Number 6 (DEL) Alkane: Cyclic20.97 Concentration Rank 1

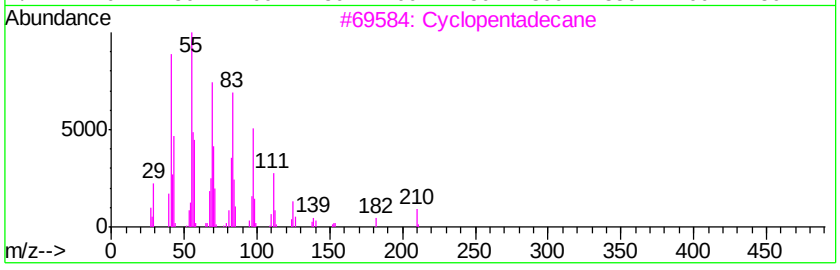
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	6.12 ng/ul	955600	Chrysene-d12	21.26

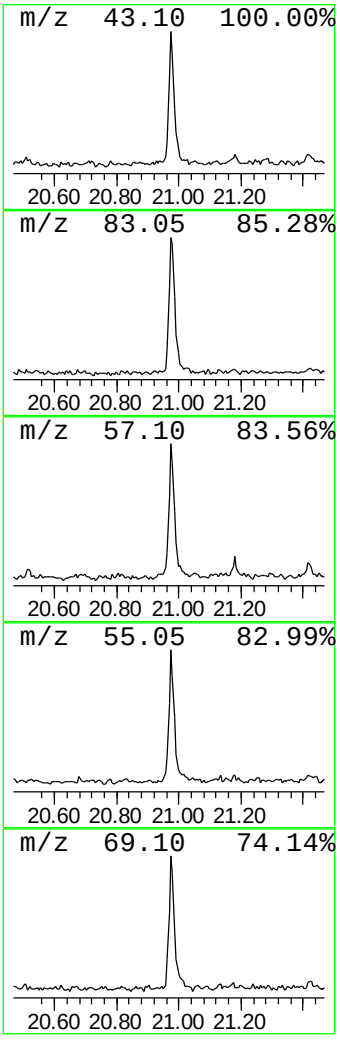
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	94
2	Behenic alcohol	326	C22H46O	000661-19-8	93
3	Cyclopentadecane	210	C15H30	000295-48-7	93
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	89
5	1-Nonadecene	266	C19H38	018435-45-5	89











Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013447.D
Acq On : 15 Dec 2017 20:22
Operator : SJ/JU
Sample : I6801-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

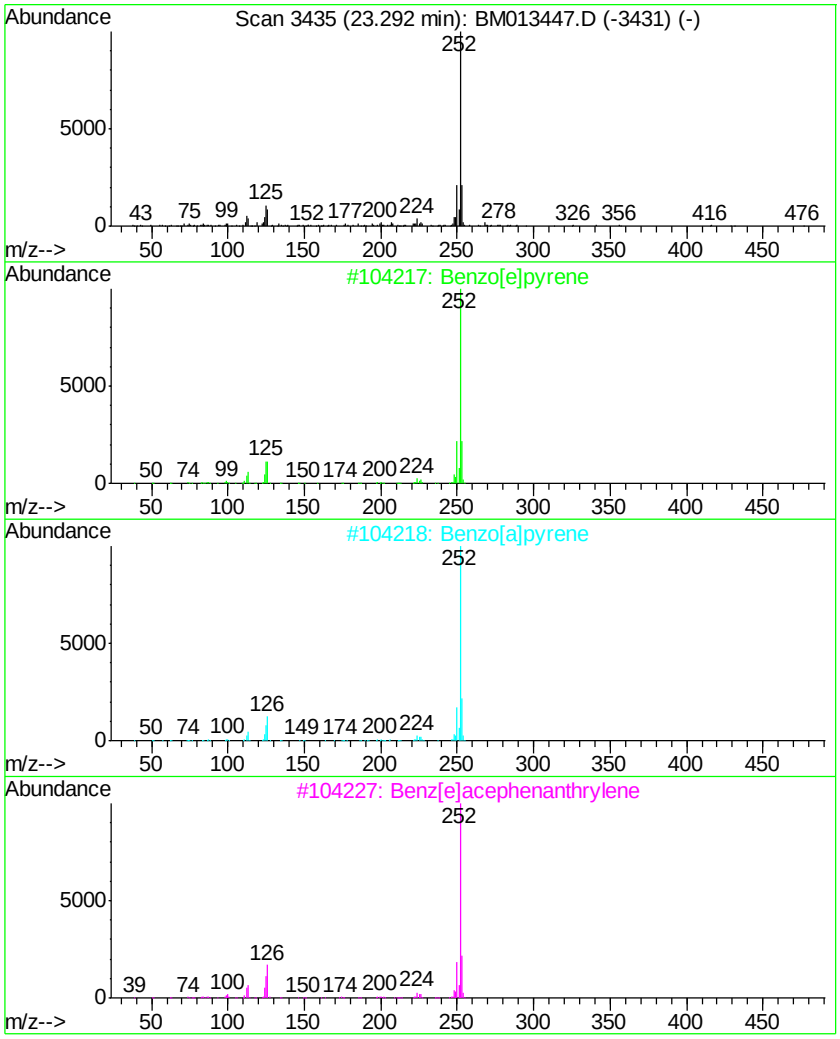
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

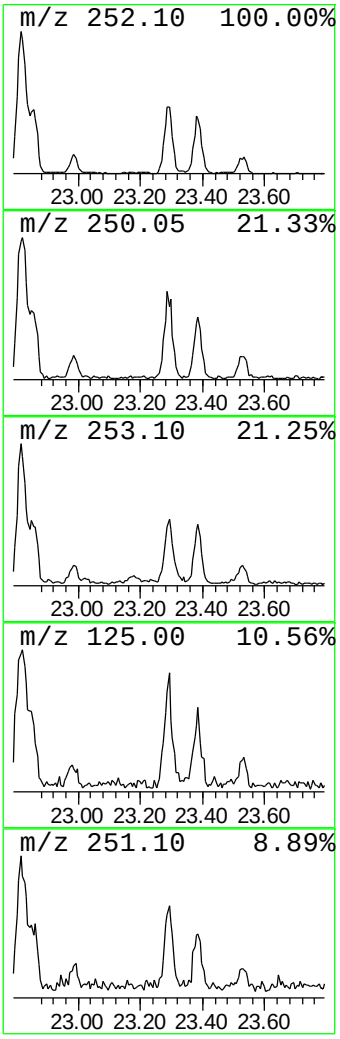
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.29	4.02 ng/ul	384349	Perylene-d12	23.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[e]pyrene	252	C20H12	000192-97-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013447.D
Acq On : 15 Dec 2017 20:22
Operator : SJ/JU
Sample : I6801-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA 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
2-Pentanone, 4-hy...	4.84	2.6	ng/ul	169006	1	7.67	1310380	20.0
unknown-01	5.48	4.0	ng/ul	261994	1	7.67	1310380	20.0
unknown-02	11.99	5.0	ng/ul	464039	2	10.45	1860390	20.0
Tridecanoic acid	17.97	3.9	ng/ul	543213	4	17.07	2769150	20.0
Pentadecanoic acid	19.26	2.1	ng/ul	322633	5	21.26	3124870	20.0
(DEL) Alkane: Cyc...	20.97	6.1	ng/ul	955600	5	21.26	3124870	20.0
Benzo[e]pyrene	23.29	4.0	ng/ul	384349	6	23.48	1912700	20.0