LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005013.D
Acq On : 21 Apr 2016 05:21
Operator : UM/SJ
Sample : H2567-27
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J2

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\SOM02.2-EPA-BM041416.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	3.052	58	62	73	rVB	36912	45359	3.36%	0.241%
2	6.969	723	728	740	rBV	113436	181320	13.44%	0.964%
3	7.140	751	757	767	rBB	101689	154875	11.48%	0.824%
4	7.340	785	791	801	rBB	125398	191636	14.20%	1.019%
5	7.804	865	870	881	rBB	199852	321505	23.83%	1.710%
6	8.504	984	989	1004	rBB	143204	227885	16.89%	1.212%
7	8.963	1061	1067	1078	rBB	110221	178887	13.26%	0.951%
8	9.681	1184	1189	1196	rBV	86944	138868	10.29%	0.738%
9	10.216	1274	1280	1294	rBB	138923	230058	17.05%	1.223%
10	10.598	1336	1345	1348	rBV	282424	481892	35.72%	2.562%
11	10.645	1348	1353	1362	rVV	474560	815600	60.45%	4.337%
12	10.734	1362	1368	1383	rVB2	126458	251138	18.61%	1.335%
13	12.257	1621	1627	1637	rBV	239726	372582	27.61%	1.981%
14	12.475	1654	1664	1673	rBB	124910	206700	15.32%	1.099%
15	13.275	1793	1800	1808	rBV	61627	88521	6.56%	0.471%
16	13.469	1829	1833	1843	rBB	14653	23667	1.75%	0.126%
17	13.604	1851	1856	1857	rBV	30982	42757	3.17%	0.227%
18	13.763	1877	1883	1888	rBV	55258	92476	6.85%	0.492%
19	13.816	1888	1892	1894	rVV	38547	56341	4.18%	0.300%
20	13.851	1894	1898	1902	rVV	265283	367509	27.24%	1.954%
21	13.898	1902	1906	1914	rVB	72770	98788	7.32%	0.525%
22	13.998	1919	1923	1927	rBV	21685	31539	2.34%	0.168%
23	14.133	1940	1946	1961	rBV2	299239	542857	40.24%	2.887%
24	14.445	1990	1999	2005	rBV2	417329	663911	49.21%	3.530%
25	14.510	2005	2010	2017	rVV	233089	359211	26.62%	1.910%
26	14.574	2017	2021	2027	rVV	16021	22128	1.64%	0.118%
27	14.645	2028	2033	2042	rVV2	58224	105027	7.78%	0.558%
28	14.751	2046	2051	2057	rVV2	9271	16087	1.19%	0.086%
29	14.839	2061	2066	2074	rVV	234745	352084	26.10%	1.872%
30	14.916	2074	2079	2083	rVB	10866	15691	1.16%	0.083%
31	15.057	2098	2103	2108	rVB2	9147	15148	1.12%	0.081%
32	15.286	2136	2142	2146	rVB2	14191	19437	1.44%	0.103%
33	15.433	2159	2167	2172	rBV	388498	586098	43.44%	3.117%
34	15.492	2172	2177	2184	rVV	294604	429632	31.84%	2.285%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H2567-27
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J2

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\SOM02.2-EPA-BM041416.M
Title : SVOA CALIBRATION

35	15.557	2184	2188	2195	rVV2	70379	106744	7.91%	0.568%
36	15.616	2195	2198	2201	rVV	15168	20228	1.50%	0.108%
37	15.651	2201	2204	2209	rVV	28050	44536	3.30%	0.237%
38	15.698	2209	2212	2216	rVV4	11085	16899	1.25%	0.090%
39	15.739	2216	2219	2223	rVV2	12083	17780	1.32%	0.095%
40	15.786	2223	2227	2233	rVB	46253	62129	4.60%	0.330%
41	15.933	2240	2252	2261	rBV2	48455	102867	7.62%	0.547%
42	16.151	2283	2289	2297	rBV2	19964	36332	2.69%	0.193%
43	16.498	2336	2348	2352	rBV2	34004	62295	4.62%	0.331%
44	16.545	2352	2356	2361	rVB2	11302	17329	1.28%	0.092%
45	16.645	2369	2373	2379	rVB2	12586	18150	1.35%	0.097%
46	16.721	2379	2386	2389	rBV3	11157	19302	1.43%	0.103%
47	16.921	2415	2420	2421	rVV	12732	18001	1.33%	0.096%
48	16.939	2421	2423	2427	rVV2	15797	17355	1.29%	0.092%
49	17.010	2427	2435	2442	rVB	59290	90577	6.71%	0.482%
50	17.192	2459	2466	2469	rBV	501681	767370	56.88%	4.080%
51	17.233	2469	2473	2478	rVV	949307	1349212	100.00%	7.174%
52	17.286	2478	2482	2486	rVV2	440457	638174	47.30%	3.393%
53	17.321	2486	2488	2494	rVV	95180	115785	8.58%	0.616%
54	17.386	2494	2499	2503	rVB3	8424	14441	1.07%	0.077%
55	17.592	2528	2534	2546	rBV	41100	67497	5.00%	0.359%
56	17.710	2550	2554	2561	rVV3	10393	15829	1.17%	0.084%
57	18.062	2605	2614	2618	rBV	70472	108968	8.08%	0.579%
58	18.110	2618	2622	2627	rVV	97239	135494	10.04%	0.720%
59	18.192	2631	2636	2641	rVV	28113	41426	3.07%	0.220%
60	18.262	2641	2648	2652	rVV2	125328	211365	15.67%	1.124%
61	18.298	2652	2654	2660	rVB	34453	37169	2.75%	0.198%
62	18.562	2694	2699	2705	rBV	44174	56432	4.18%	0.300%
63	18.980	2765	2770	2776	rBV3	19136	37212	2.76%	0.198%
64	19.051	2776	2782	2784	rVV2	10582	15672	1.16%	0.083%
65	19.245	2807	2815	2823	rBV	589617	837870	62.10%	4.455%
66	19.398	2837	2841	2846	rBV	9912	14343	1.06%	0.076%
67	19.492	2850	2857	2866	rBV2	15340	30082	2.23%	0.160%
68	19.586	2866	2873	2875	rBV2	617287	933154	69.16%	4.962%
69	19.609	2875	2877	2886	rVV	426060	560730	41.56%	2.982%
70	19.686	2886	2890	2897	rVB3	21440	33845	2.51%	0.180%
71	19.792	2902	2908	2914	rVB	25171	36390	2.70%	0.194%

LSC Area Percent Report

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Operator : UM/SJ
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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J2

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

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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Title : SVOA CALIBRATION

72	19.933	2927	2932	2939	rBV3	23023	54534	4.04%	0.290%
73	20.068	2950	2955	2957	rVV3	14552	22958	1.70%	0.122%
74	20.109	2957	2962	2967	rVB	81136	121544	9.01%	0.646%
75	20.209	2973	2979	2983	rBV	87718	117398	8.70%	0.624%
76	20.262	2983	2988	2993	rVB2	28213	49200	3.65%	0.262%
77	20.403	3007	3012	3016	rBV	11178	15255	1.13%	0.081%
78	20.451	3016	3020	3024	rBV3	13782	20514	1.52%	0.109%
79	20.621	3044	3049	3050	rBV2	12144	15082	1.12%	0.080%
80	20.809	3078	3081	3087	rBV3	11247	23401	1.73%	0.124%
81	21.021	3114	3117	3121	rBV	16690	23861	1.77%	0.127%
82	21.080	3121	3127	3136	rVV4	64393	154743	11.47%	0.823%
83	21.286	3155	3162	3166	rBV2	14828	21837	1.62%	0.116%
84	21.374	3170	3177	3181	rVV2	773888	1241906	92.05%	6.604%
85	21.409	3181	3183	3193	rVB	123641	160564	11.90%	0.854%
86	21.521	3198	3202	3210	rVB2	42904	73629	5.46%	0.392%
87	21.698	3227	3232	3237	rBV2	16400	27250	2.02%	0.145%
88	21.933	3268	3272	3273	rBV2	14807	16631	1.23%	0.088%
89	21.956	3273	3276	3280	rVB	29630	35812	2.65%	0.190%
90	22.168	3309	3312	3318	rVB3	14022	21850	1.62%	0.116%
91	22.427	3352	3356	3363	rBV	40013	56413	4.18%	0.300%
92	22.944	3439	3444	3445	rBV	37895	44874	3.33%	0.239%
93	22.974	3446	3449	3463	rVB2	58950	183603	13.61%	0.976%
94	23.150	3475	3479	3484	rVB	13356	20832	1.54%	0.111%
95	23.462	3526	3532	3535	rBV	29808	55940	4.15%	0.297%
96	23.515	3535	3541	3547	rBV2	394170	731768	54.24%	3.891%
97	23.662	3559	3566	3573	rBV	472888	917767	68.02%	4.880%
98	24.180	3649	3654	3663	rVB2	30074	56733	4.20%	0.302%
99	24.944	3778	3784	3790	rVB4	23035	47226	3.50%	0.251%
100	25.968	3952	3958	3965	rBV	13763	36617	2.71%	0.195%

Sum of corrected areas: 18805940

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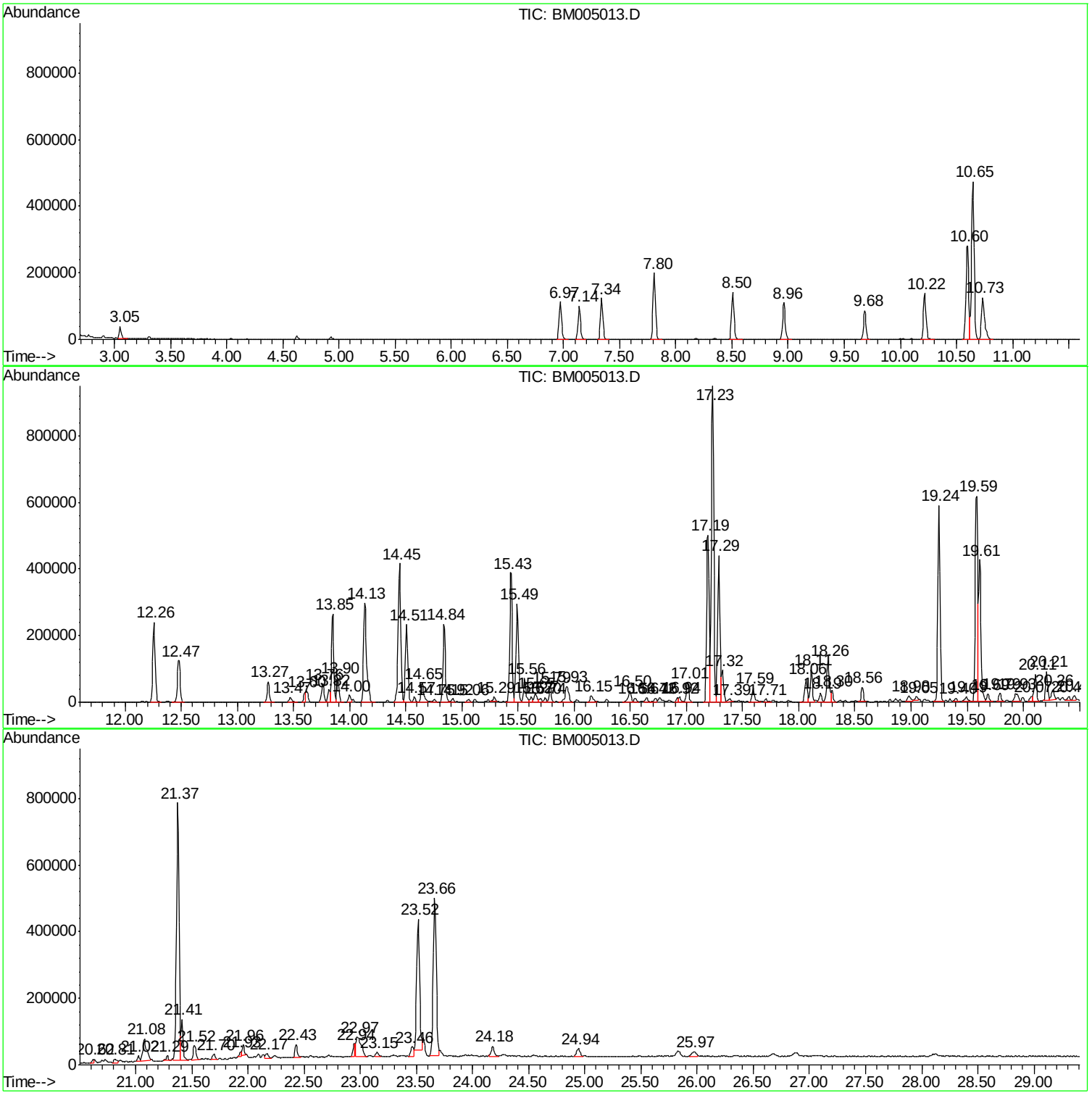
Sample : H2567-27
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC7J2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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



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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

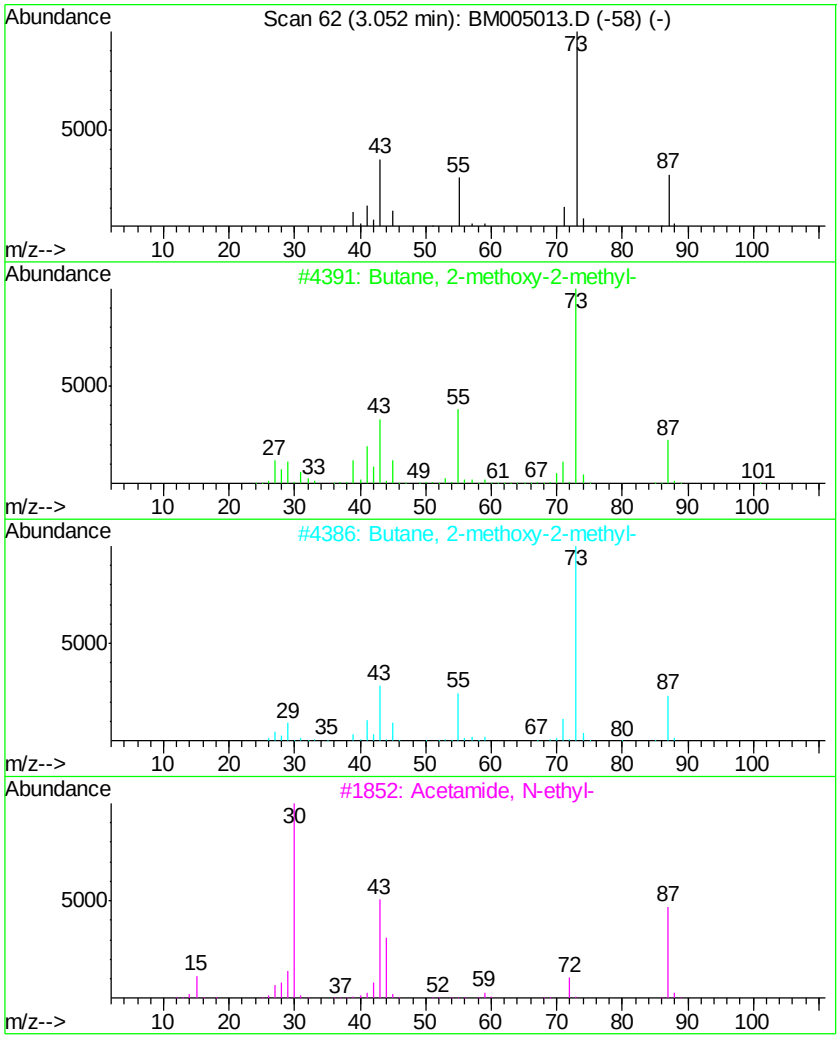
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

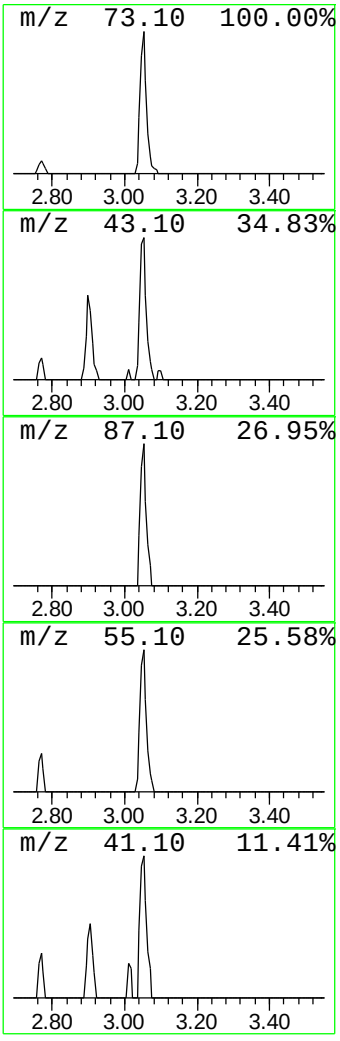
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	2.82 ng/ul	45359	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005013.D
Acq On : 21 Apr 2016 05:21
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Sample : H2567-27
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

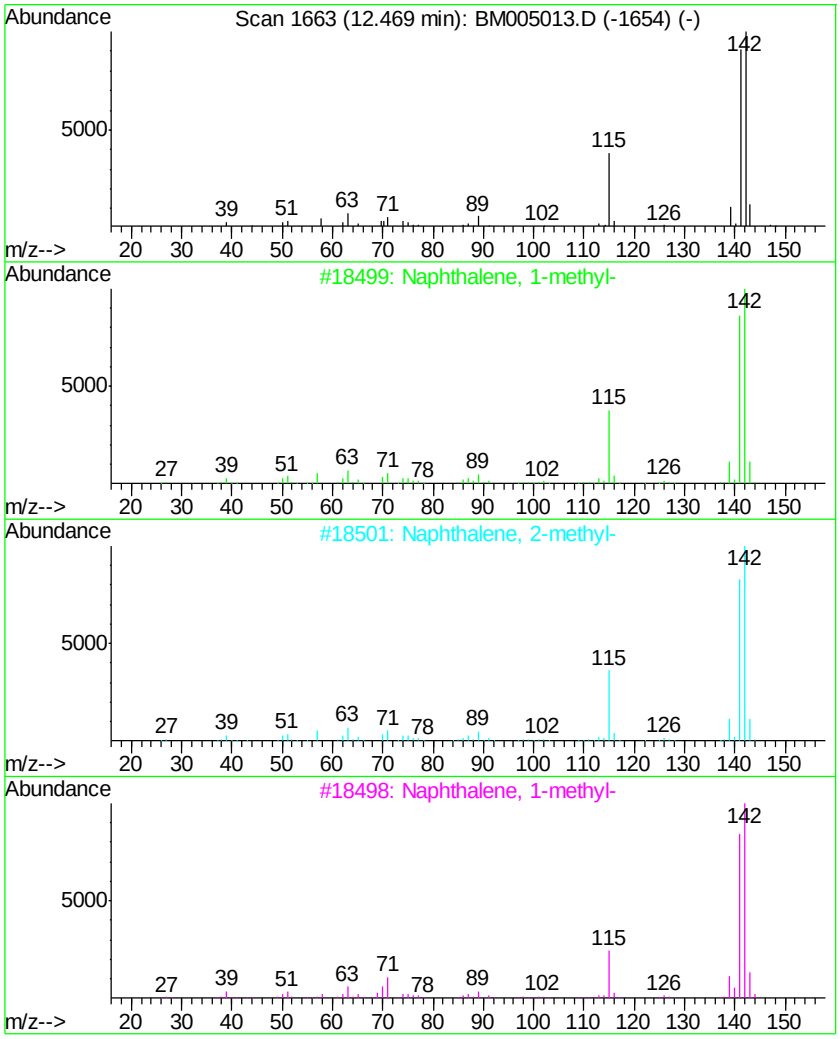
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

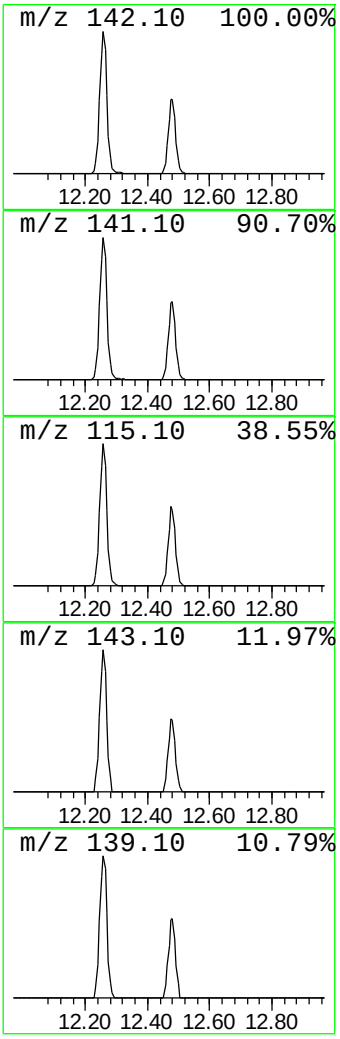
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	8.58 ng/ul	206700	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

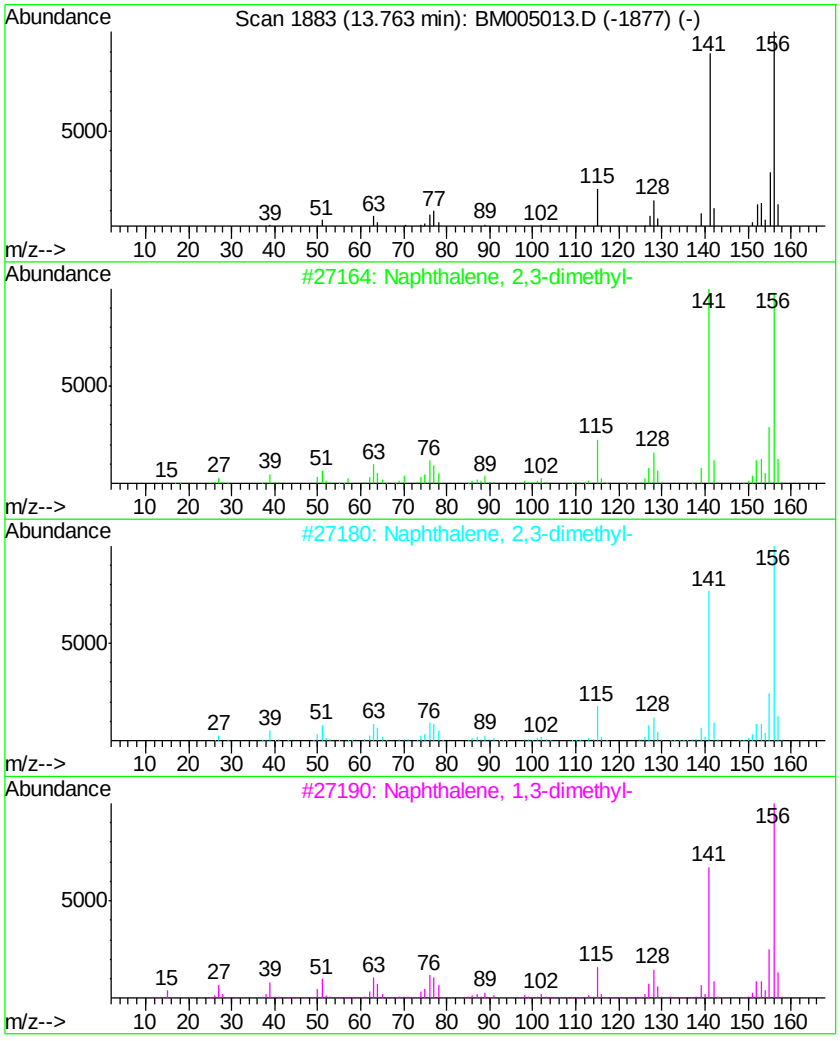
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

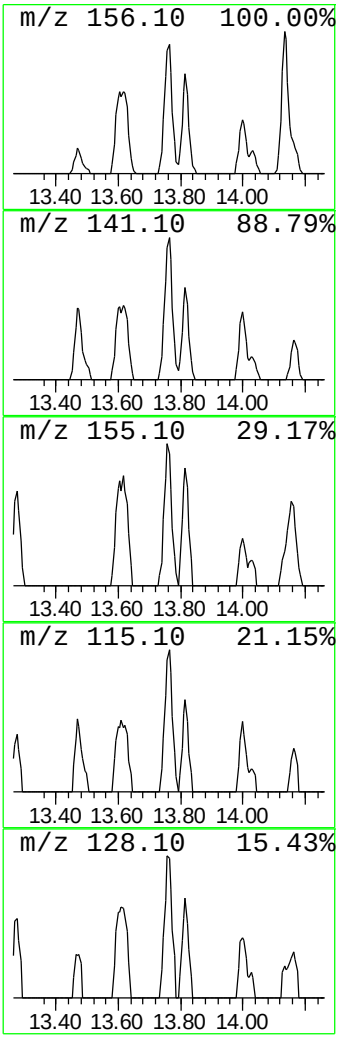
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.79 ng/ul	92476	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : BC7J2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

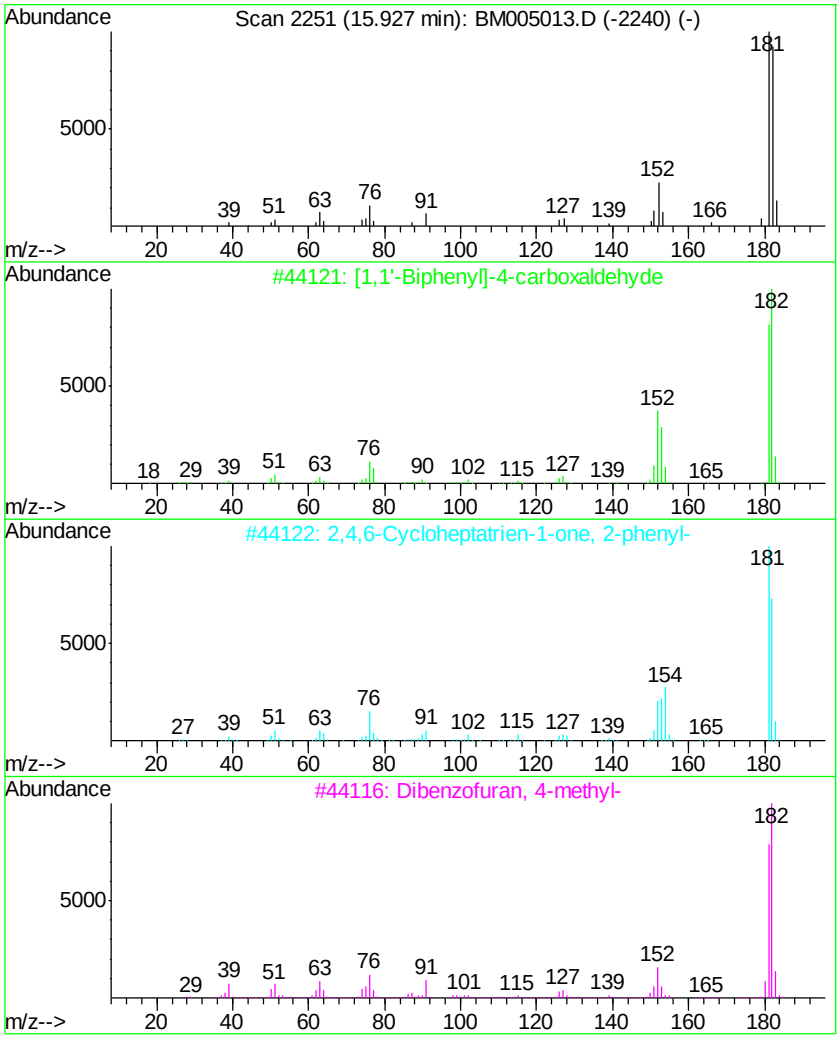
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

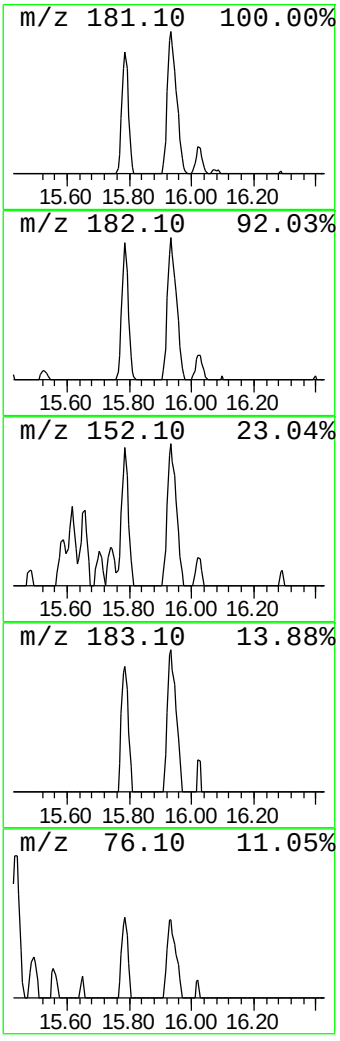
****

Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	2.68 ng/ul	102867	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Sample : H2567-27
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

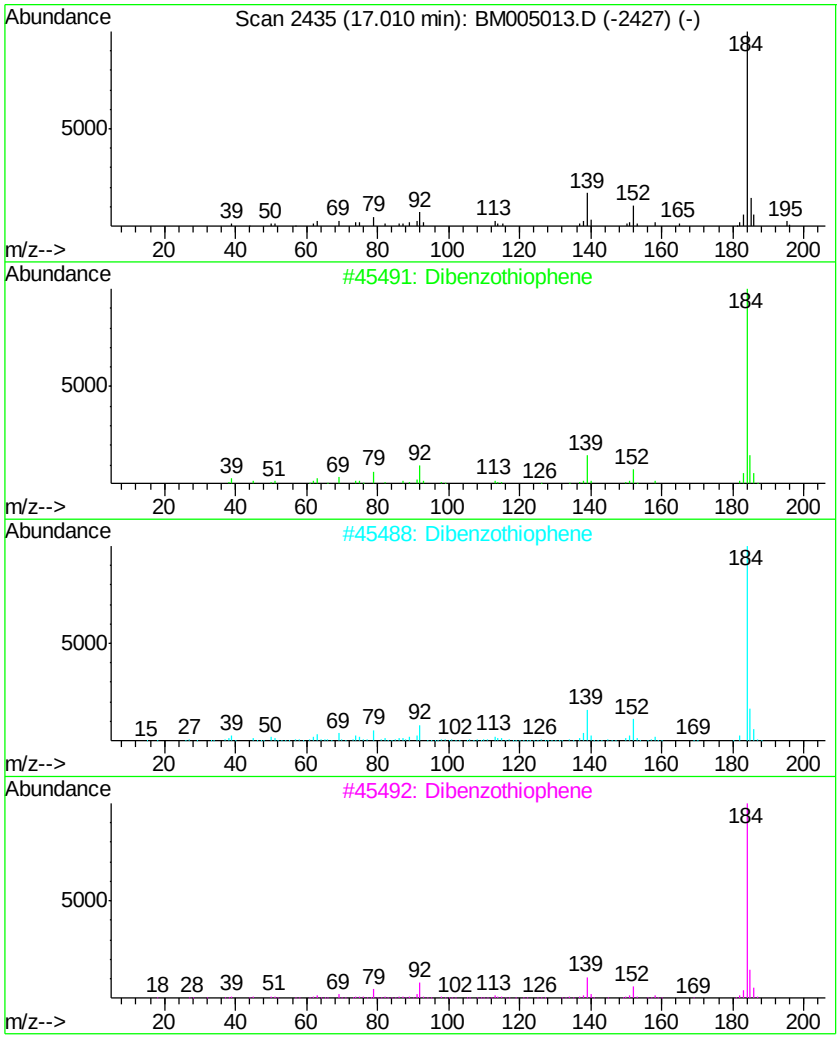
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

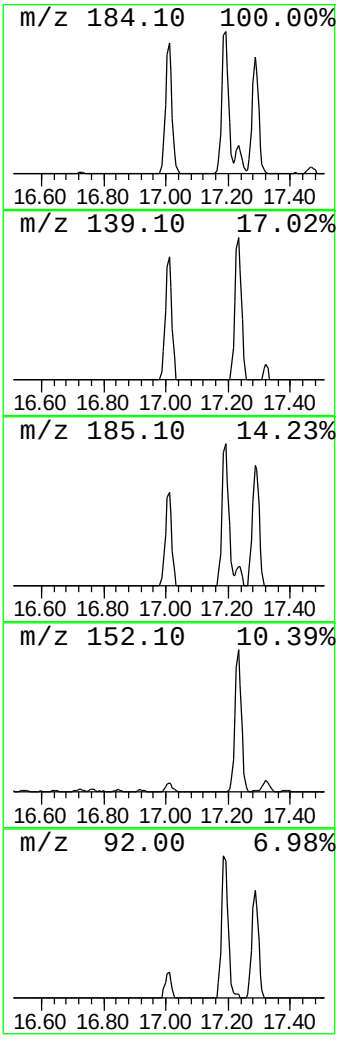
****

Peak Number 5 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	2.36 ng/ul	90577	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005013.D
Acq On : 21 Apr 2016 05:21
Operator : UM/SJ
Sample : H2567-27
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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

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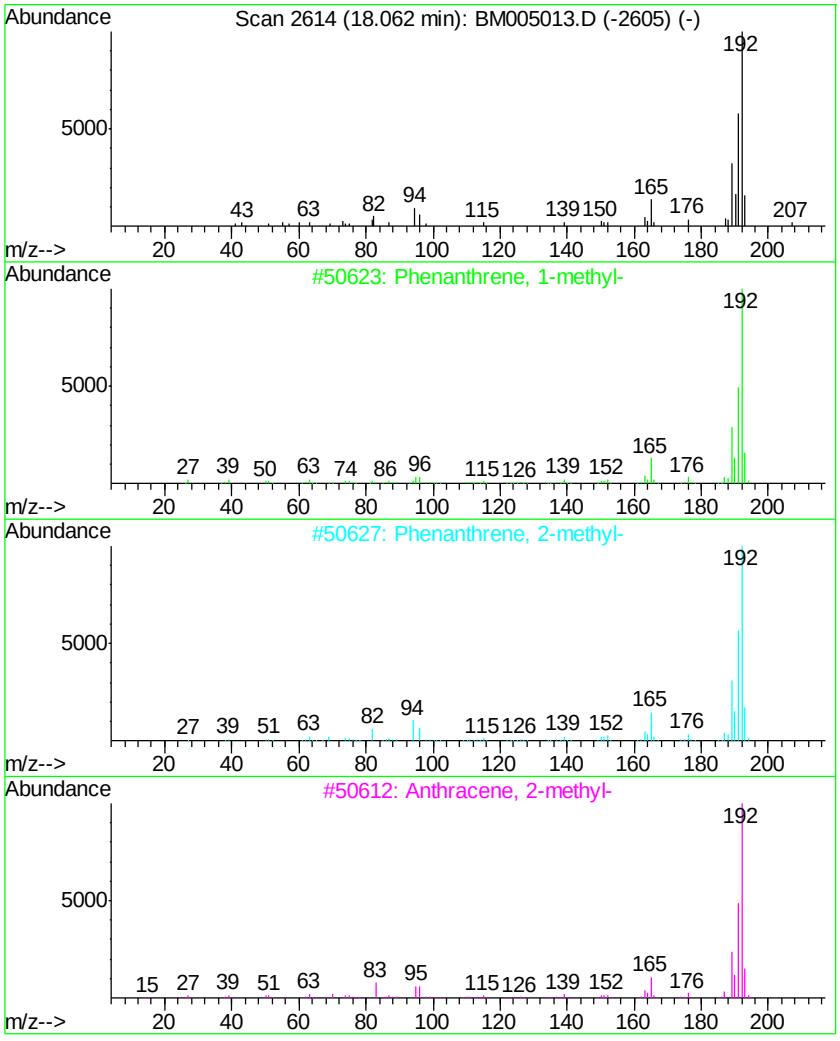
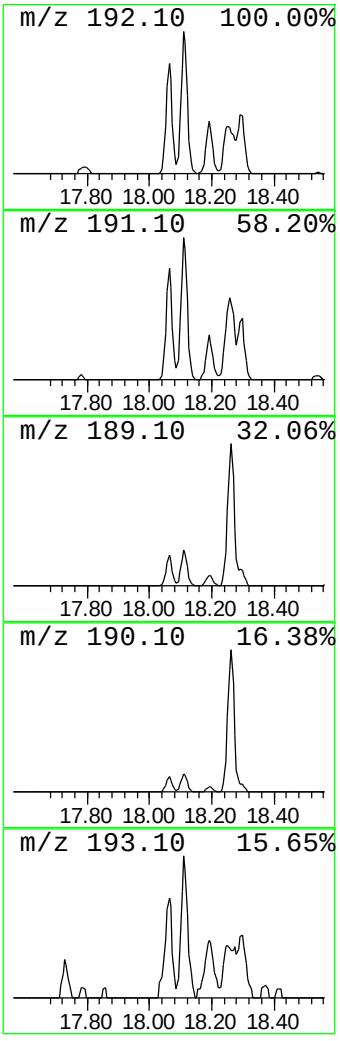
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	2.84 ng/ul	108968	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005013.D
Acq On : 21 Apr 2016 05:21
Operator : UM/SJ
Sample : H2567-27
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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

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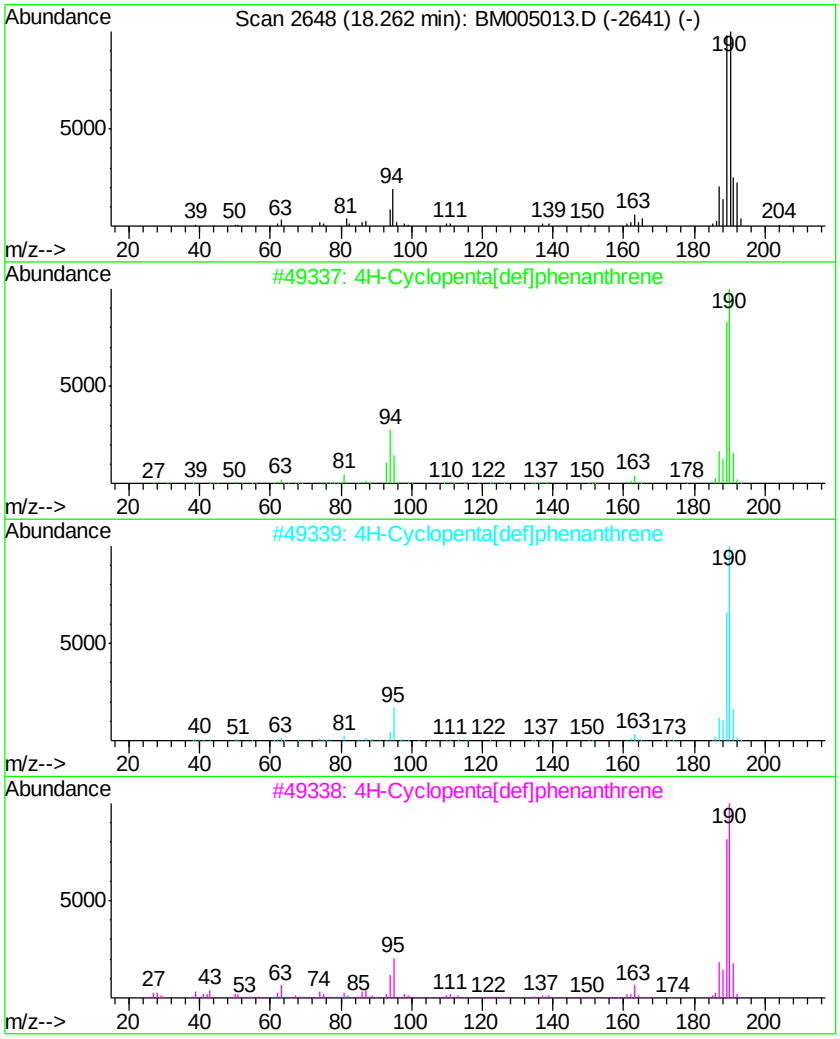
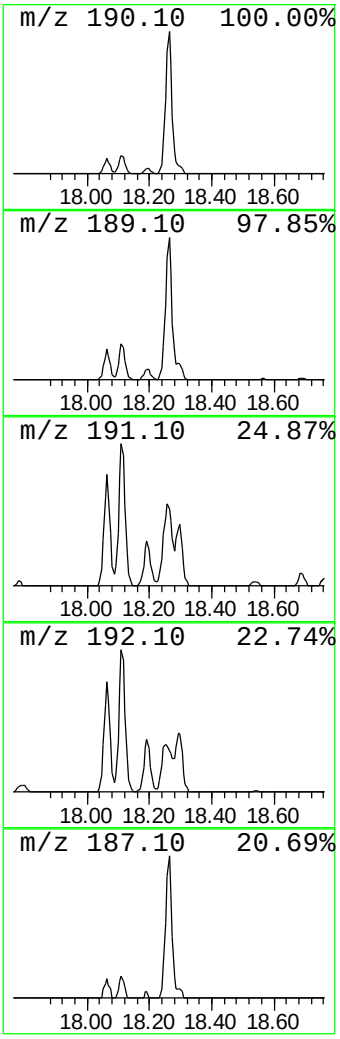
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	5.51 ng/ul	211365	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005013.D
Acq On : 21 Apr 2016 05:21
Operator : UM/SJ
Sample : H2567-27
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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

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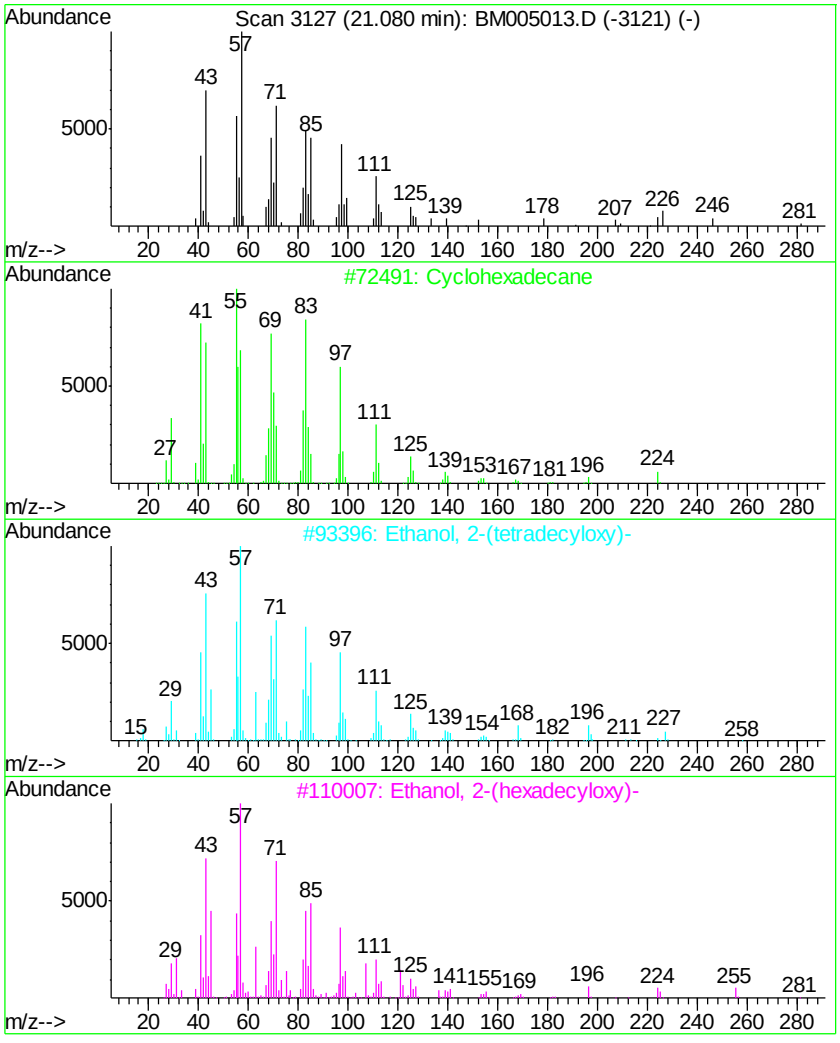
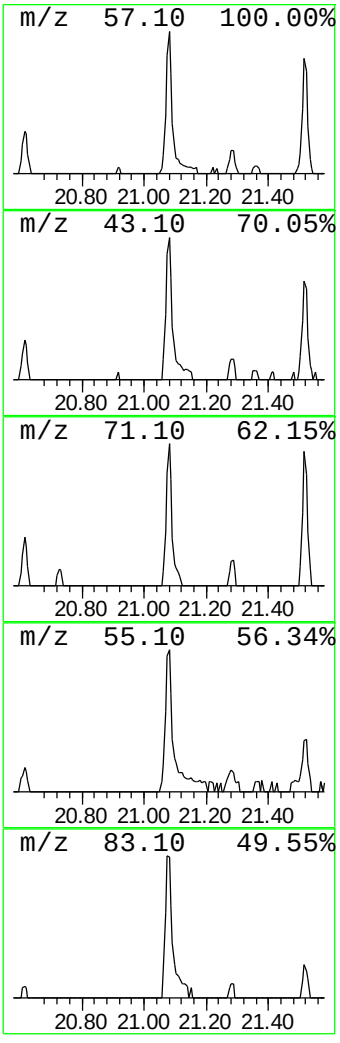
Peak Number 9 (DEL) Alkane: Cyclic21.08 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	2.49 ng/ul	154743	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	95
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	87
3	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	87
4	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	80
5	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005013.D
Acq On : 21 Apr 2016 05:21
Operator : UM/SJ
Sample : H2567-27
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7J2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.05	2.8	ng/ul	45359	1	7.81	321505	20.0
Naphthalene, 1-me...	12.47	8.6	ng/ul	206700	2	10.60	481892	20.0
Naphthalene, 2,3-...	13.76	2.8	ng/ul	92476	3	14.45	663911	20.0
[1,1'-Biphenyl]-4...	15.93	2.7	ng/ul	102867	4	17.19	767370	20.0
Dibenzothiophene	17.01	2.4	ng/ul	90577	4	17.19	767370	20.0
Phenanthrene, 1-m...	18.06	2.8	ng/ul	108968	4	17.19	767370	20.0
4H-Cyclopenta[def...	18.26	5.5	ng/ul	211365	4	17.19	767370	20.0
(DEL) Alkane: Cyc...	21.08	2.5	ng/ul	154743	5	21.37	1241910	20.0