LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM043016\
Data File : BM005167.D
Acq On : 30 Apr 2016 10:15
Operator : UM/SJ
Sample : H2729-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D1

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-BM042516.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	2.751	7	11	22	rVB	47602	64053	5.32%	0.401%
2	2.881	30	33	42	rVB	12234	14425	1.20%	0.090%
3	3.028	54	58	65	rVB	80334	103692	8.62%	0.649%
4	6.951	720	725	737	rBV	99875	164197	13.65%	1.028%
5	7.116	748	753	763	rBB	83461	131878	10.96%	0.826%
6	7.316	782	787	797	rBB	103431	161615	13.44%	1.012%
7	7.786	861	867	875	rBB	135182	206956	17.20%	1.296%
8	8.486	981	986	995	rBV	126693	200931	16.70%	1.258%
9	8.939	1057	1063	1074	rBB	101313	163055	13.55%	1.021%
10	9.663	1180	1186	1193	rBB	74929	121448	10.10%	0.760%
11	10.198	1271	1277	1287	rBV	127711	215248	17.89%	1.347%
12	10.574	1334	1341	1345	rBV	205242	342319	28.46%	2.143%
13	10.622	1345	1349	1358	rVB	94863	152938	12.71%	0.957%
14	10.710	1359	1364	1379	rBB	83179	145620	12.11%	0.912%
15	12.239	1619	1624	1630	rBB	28483	44819	3.73%	0.281%
16	12.457	1656	1661	1667	rBB	18085	27615	2.30%	0.173%
17	13.739	1875	1879	1885	rBB	12060	19024	1.58%	0.119%
18	13.833	1890	1895	1899	rVV	273340	377104	31.35%	2.361%
19	13.880	1899	1903	1908	rVB	70983	93555	7.78%	0.586%
20	14.115	1937	1943	1955	rBB2	314842	513748	42.71%	3.216%
21	14.427	1988	1996	2002	rBV2	316534	490671	40.79%	3.072%
22	14.486	2002	2006	2014	rVB	26027	38419	3.19%	0.241%
23	14.627	2026	2030	2046	rBV	72871	120161	9.99%	0.752%
24	14.821	2058	2063	2072	rBB	61799	88817	7.38%	0.556%
25	15.268	2133	2139	2143	rBV2	11829	15090	1.25%	0.094%
26	15.421	2159	2165	2170	rBV	403953	585442	48.67%	3.665%
27	15.474	2170	2174	2181	rVB	85886	120241	10.00%	0.753%
28	15.545	2181	2186	2192	rBV	83287	109708	9.12%	0.687%
29	15.768	2219	2224	2230	rVB	19665	24860	2.07%	0.156%
30	15.915	2242	2249	2256	rBB	21298	40127	3.34%	0.251%
31	16.133	2281	2286	2297	rBV2	14594	24162	2.01%	0.151%
32	16.480	2336	2345	2349	rBV3	13562	23230	1.93%	0.145%
33	16.827	2400	2404	2410	rVB	12186	16636	1.38%	0.104%
34	16.921	2418	2420	2424	rVV2	11618	13781	1.15%	0.086%

LSC Area Percent Report

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Sample : H2729-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D1

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-BM042516.M
Title : SVOA CALIBRATION

35	16.992	2427	2432	2440	rVB	31563	43078	3.58%	0.270%
36	17.174	2457	2463	2466	rBV	423353	605929	50.37%	3.793%
37	17.215	2466	2470	2475	rVV	639876	922522	76.69%	5.775%
38	17.274	2475	2480	2483	rVV	447772	678993	56.45%	4.250%
39	17.303	2483	2485	2491	rVV	142010	182958	15.21%	1.145%
40	17.574	2521	2531	2541	rBV2	51167	87800	7.30%	0.550%
41	18.045	2605	2611	2616	rBV	56198	91576	7.61%	0.573%
42	18.092	2616	2619	2625	rVV	80293	109240	9.08%	0.684%
43	18.174	2628	2633	2638	rVV	26345	36761	3.06%	0.230%
44	18.245	2638	2645	2649	rVV2	94599	161986	13.47%	1.014%
45	18.280	2649	2651	2659	rVB	35394	40004	3.33%	0.250%
46	18.550	2692	2697	2701	rBV	44803	57336	4.77%	0.359%
47	18.592	2701	2704	2711	rVB	23944	30451	2.53%	0.191%
48	18.962	2762	2767	2773	rBV2	19585	34807	2.89%	0.218%
49	19.033	2773	2779	2782	rVV3	14804	29309	2.44%	0.183%
50	19.109	2787	2792	2801	rVB3	15673	30339	2.52%	0.190%
51	19.233	2805	2813	2821	rVV	699688	939556	78.11%	5.882%
52	19.333	2827	2830	2834	rVB	10748	13109	1.09%	0.082%
53	19.386	2834	2839	2843	rBV	26023	33778	2.81%	0.211%
54	19.480	2848	2855	2864	rVB2	19864	39809	3.31%	0.249%
55	19.568	2864	2870	2873	rBV3	648133	1011477	84.09%	6.332%
56	19.597	2873	2875	2883	rVV	581454	699379	58.14%	4.378%
57	19.668	2883	2887	2895	rVB4	25604	37953	3.16%	0.238%
58	19.774	2899	2905	2911	rVB	31204	45534	3.79%	0.285%
59	19.839	2911	2916	2923	rVB	24449	34591	2.88%	0.217%
60	19.921	2923	2930	2937	rBV4	29135	74343	6.18%	0.465%
61	20.056	2948	2953	2955	rVV4	21210	34536	2.87%	0.216%
62	20.091	2955	2959	2965	rVB	67040	100185	8.33%	0.627%
63	20.191	2972	2976	2980	rBV	49252	64292	5.34%	0.402%
64	20.250	2980	2986	2990	rVV2	45341	77341	6.43%	0.484%
65	20.391	3004	3010	3013	rBV	22806	29236	2.43%	0.183%
66	20.439	3013	3018	3022	rBV3	24961	32970	2.74%	0.206%
67	20.844	3083	3087	3093	rVB	25611	37309	3.10%	0.234%
68	21.009	3108	3115	3118	rBV3	28939	45825	3.81%	0.287%
69	21.044	3118	3121	3125	rVV2	45600	81020	6.74%	0.507%
70	21.086	3125	3128	3133	rVV2	48592	91420	7.60%	0.572%
71	21.138	3133	3137	3144	rVB2	28756	42491	3.53%	0.266%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
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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-BM042516.M
Title : SVOA CALIBRATION

72	21.250	3148	3156	3161	rBV2	10597	29615	2.46%	0.185%
73	21.362	3164	3175	3179	rVV2	642986	1202917	100.00%	7.530%
74	21.397	3179	3181	3191	rVB	242656	295093	24.53%	1.847%
75	21.515	3197	3201	3207	rVV	41219	64192	5.34%	0.402%
76	21.574	3207	3211	3215	rVV4	15370	30381	2.53%	0.190%
77	21.627	3218	3220	3224	rVV	15965	21415	1.78%	0.134%
78	21.680	3224	3229	3234	rVV2	27369	48122	4.00%	0.301%
79	21.862	3256	3260	3263	rBV	9014	13285	1.10%	0.083%
80	21.921	3263	3270	3275	rVV	38497	77624	6.45%	0.486%
81	21.974	3275	3279	3285	rVV	19689	32219	2.68%	0.202%
82	22.038	3287	3290	3293	rVV2	11202	15898	1.32%	0.100%
83	22.074	3293	3296	3300	rVV2	12540	18614	1.55%	0.117%
84	22.121	3300	3304	3307	rVV2	16242	28467	2.37%	0.178%
85	22.150	3307	3309	3315	rVB4	16523	23949	1.99%	0.150%
86	22.221	3316	3321	3325	rBV3	11719	17427	1.45%	0.109%
87	22.409	3349	3353	3360	rBV8	12664	29108	2.42%	0.182%
88	22.697	3399	3402	3408	rVB2	9327	15903	1.32%	0.100%
89	22.956	3437	3446	3451	rBV	135403	341775	28.41%	2.140%
90	23.132	3471	3476	3481	rVB	26170	41706	3.47%	0.261%
91	23.444	3523	3529	3532	rBV	72053	132575	11.02%	0.830%
92	23.497	3532	3538	3543	rVV2	325612	663584	55.16%	4.154%
93	23.544	3543	3546	3553	rVB	132672	205557	17.09%	1.287%
94	23.644	3555	3563	3568	rBV	289160	577822	48.04%	3.617%
95	23.691	3568	3571	3579	rVB	35581	63895	5.31%	0.400%
96	24.150	3646	3649	3662	rVB2	17069	34872	2.90%	0.218%
97	24.909	3773	3778	3788	rVB	14627	34069	2.83%	0.213%
98	25.791	3924	3928	3937	rVB4	8576	19255	1.60%	0.121%
99	25.938	3945	3953	3962	rVB2	42938	120333	10.00%	0.753%
100	26.644	4065	4073	4086	rVB2	28886	89967	7.48%	0.563%

Sum of corrected areas: 15974467

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM043016\
Data File : BM005167.D
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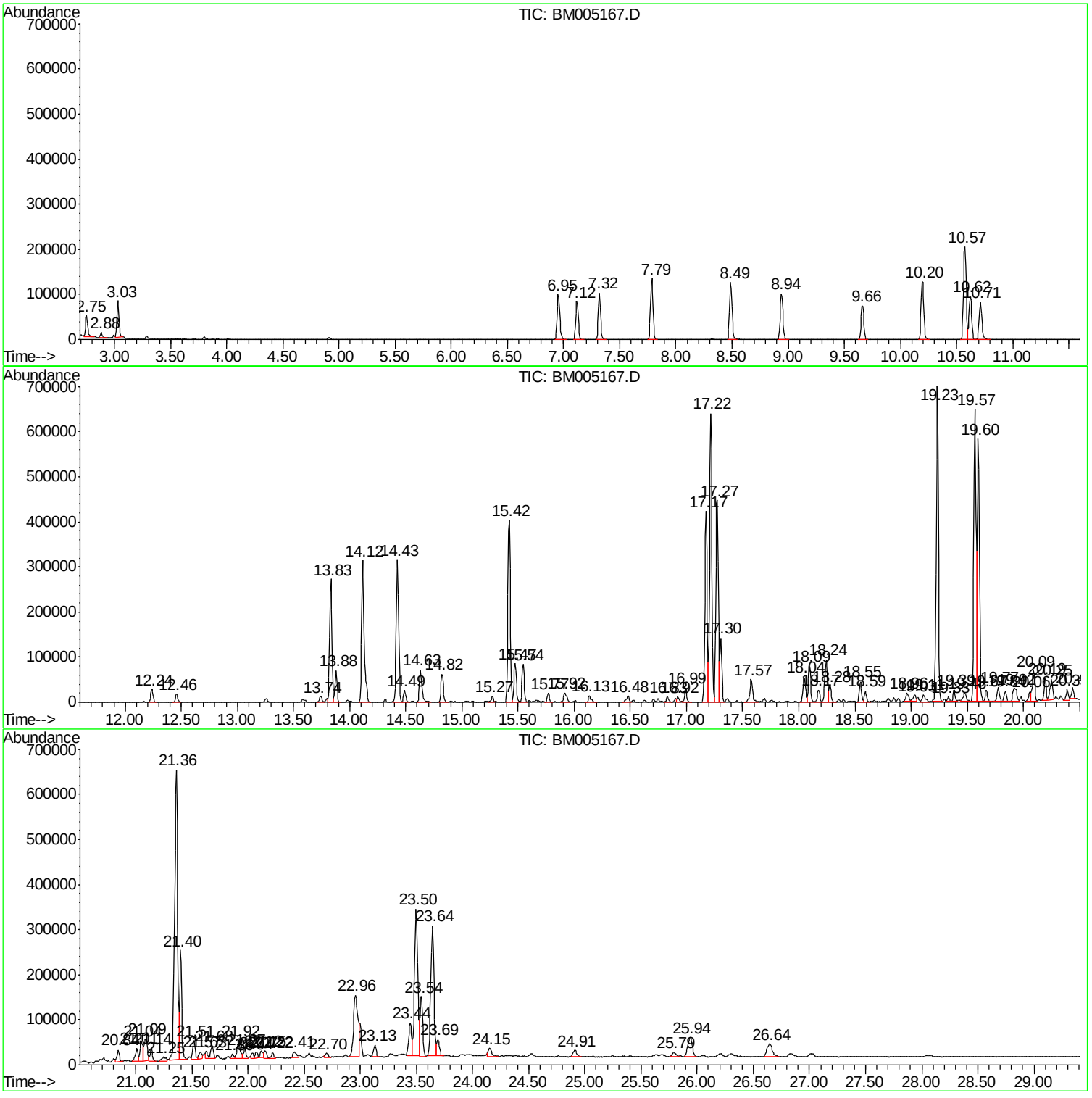
Sample : H2729-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM043016\
Data File : BM005167.D
Acq On : 30 Apr 2016 10:15
Operator : UM/SJ
Sample : H2729-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

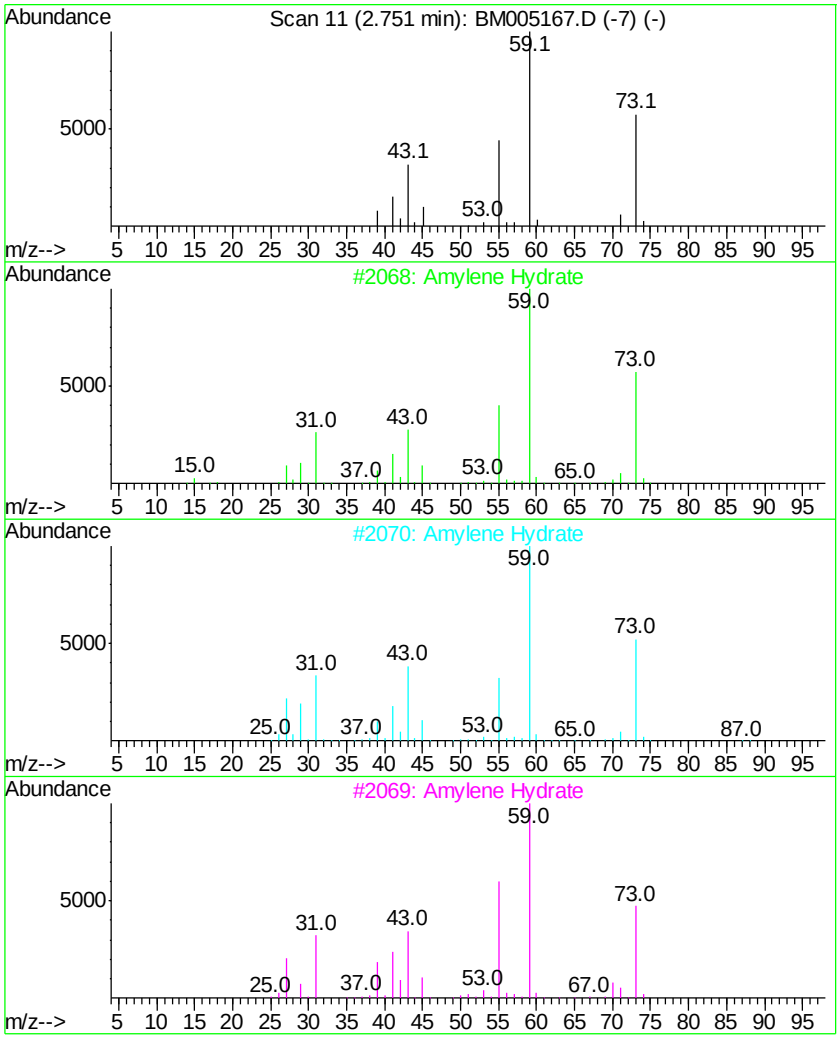
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

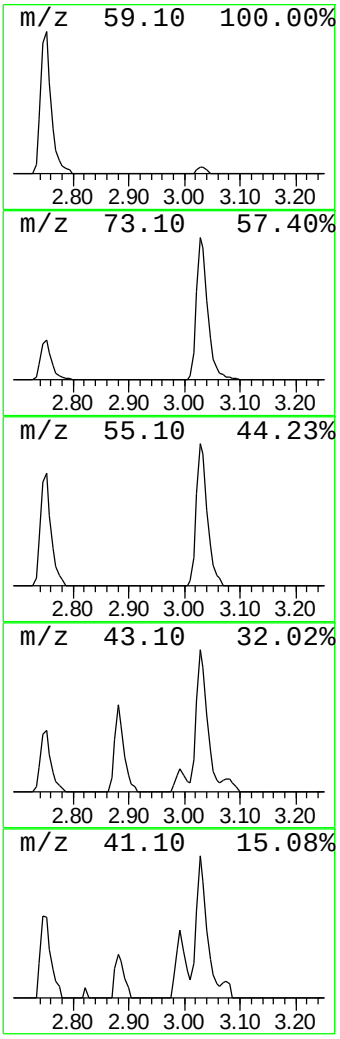
****

Peak Number 1 Amylene Hydrate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.75	6.19 ng/ul	64053	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	83
2	Amylene Hydrate	88	C5H12O	000075-85-4	83
3	Amylene Hydrate	88	C5H12O	000075-85-4	78
4	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	40
5	Silane, trimethyl-	74	C3H10Si	000993-07-7	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM043016\
Data File : BM005167.D
Acq On : 30 Apr 2016 10:15
Operator : UM/SJ
Sample : H2729-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

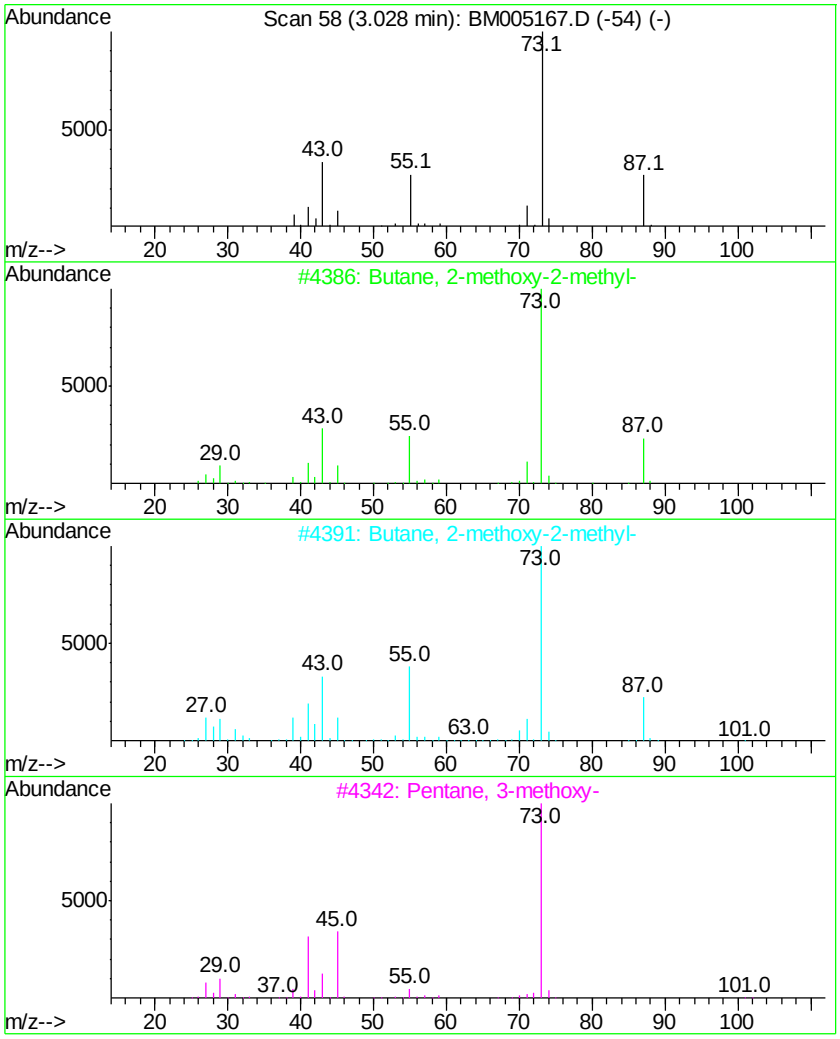
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

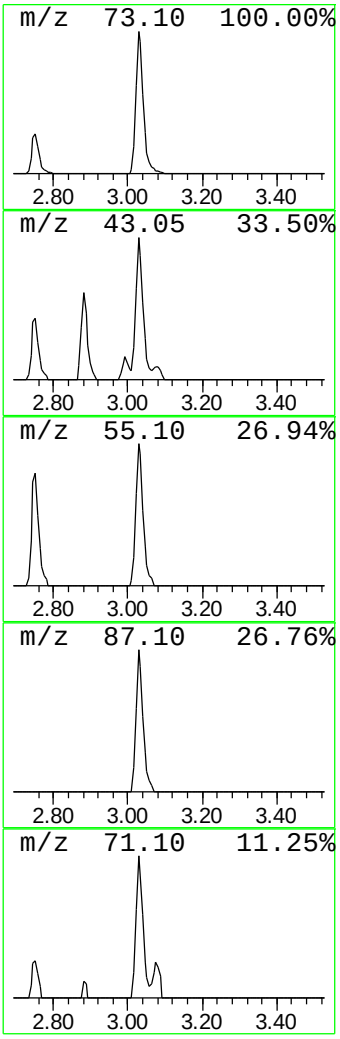
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.03	10.02 ng/ul	103692	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12





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Instrument : BNA_M
ClientSampleId : BD3D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

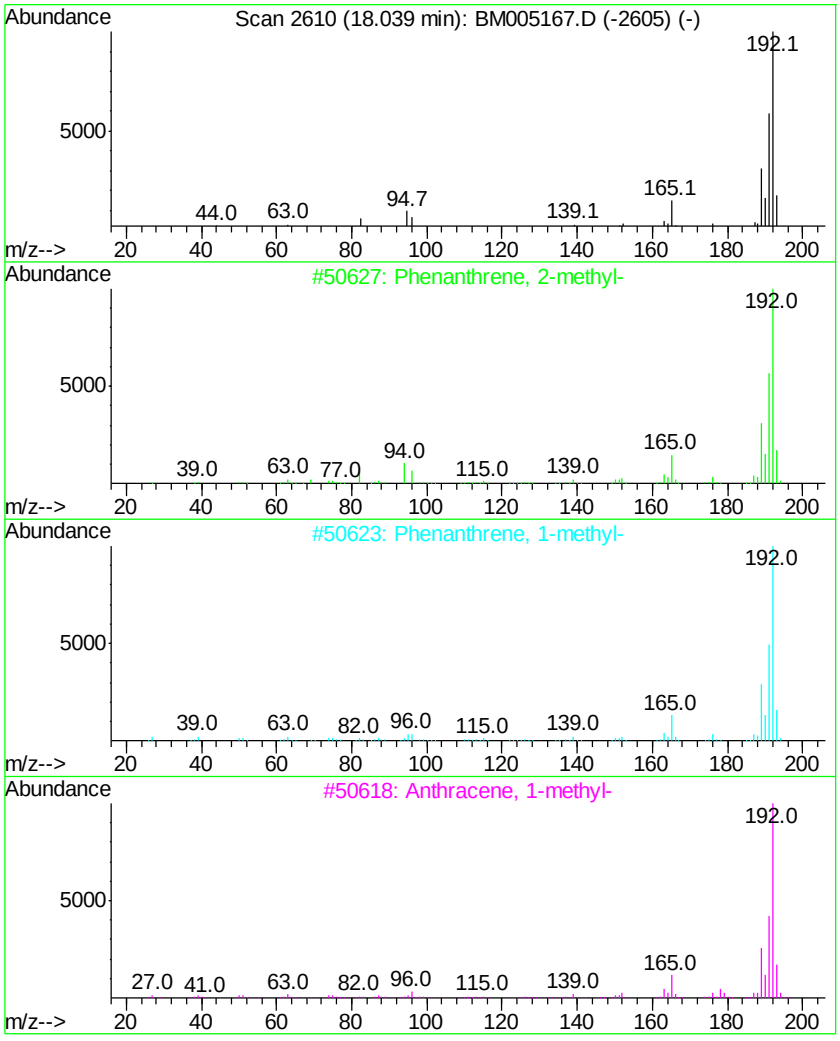
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

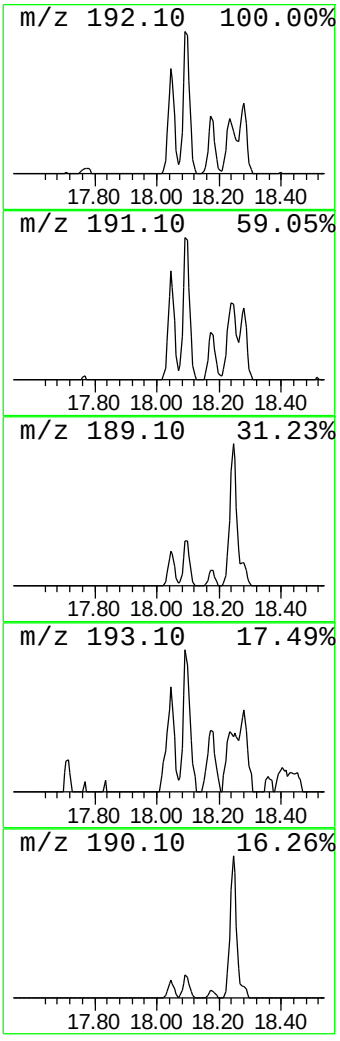
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	3.02 ng/ul	91576	Phenanthrene-d10	17.17

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





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Acq On : 30 Apr 2016 10:15
Operator : UM/SJ
Sample : H2729-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

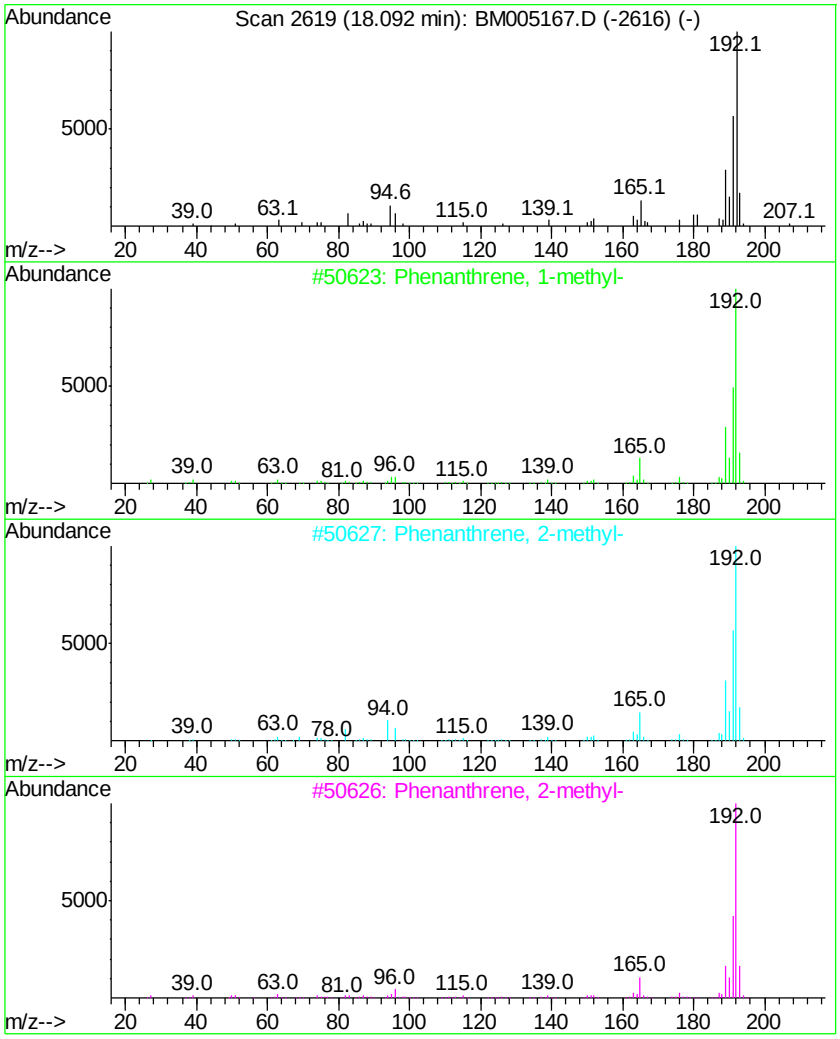
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

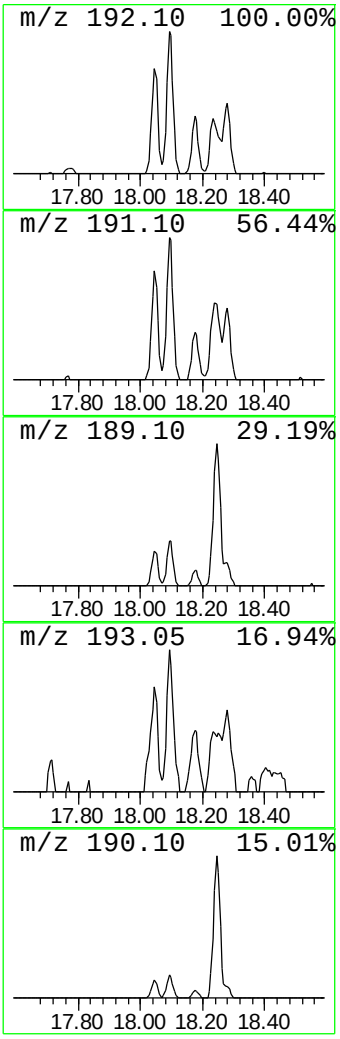
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	3.61 ng/ul	109240	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Operator : UM/SJ
Sample : H2729-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

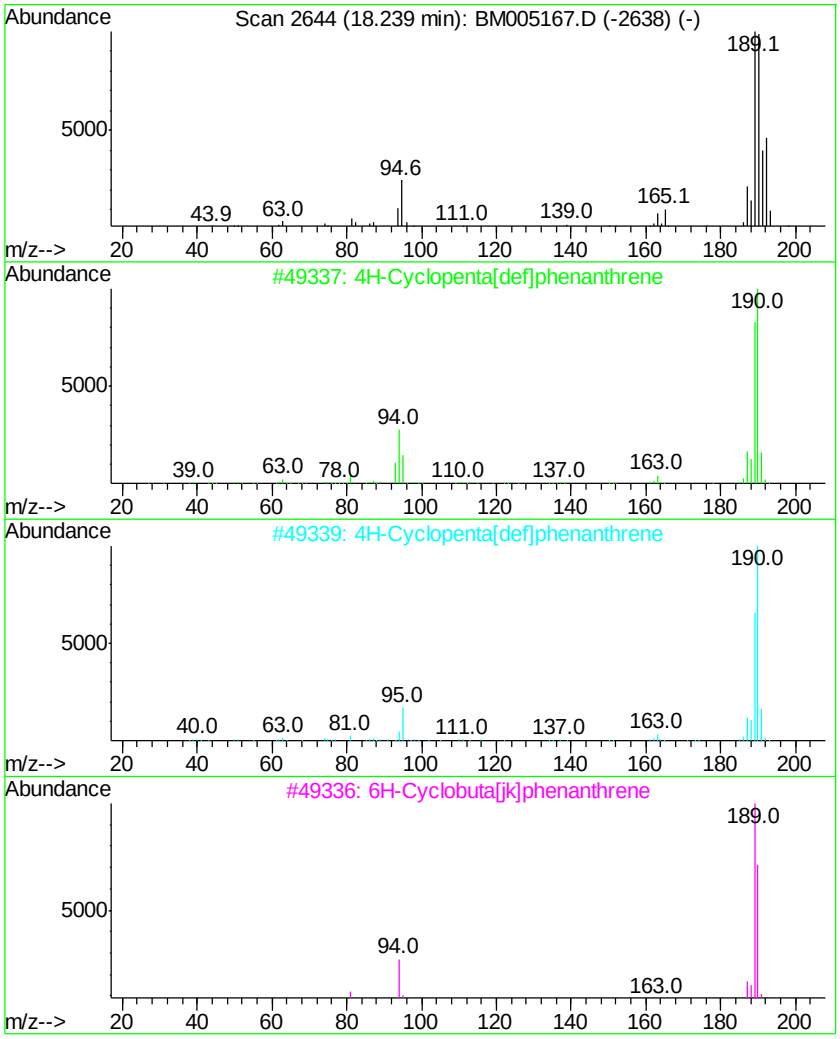
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

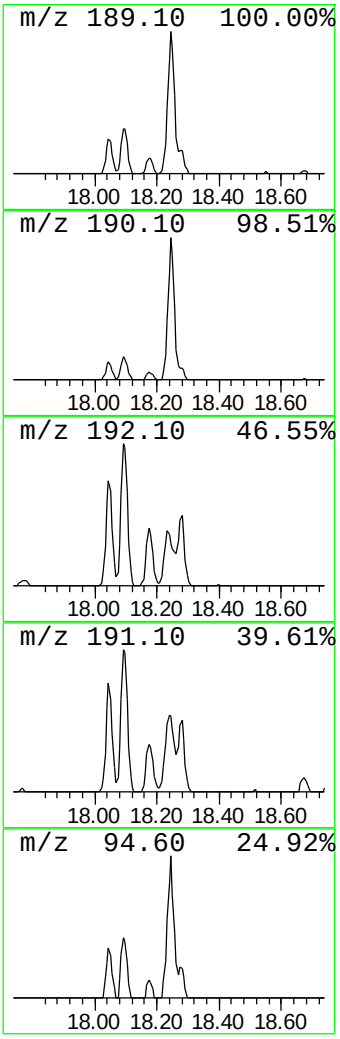
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	5.35 ng/ul	161986	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM043016\
Data File : BM005167.D
Acq On : 30 Apr 2016 10:15
Operator : UM/SJ
Sample : H2729-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

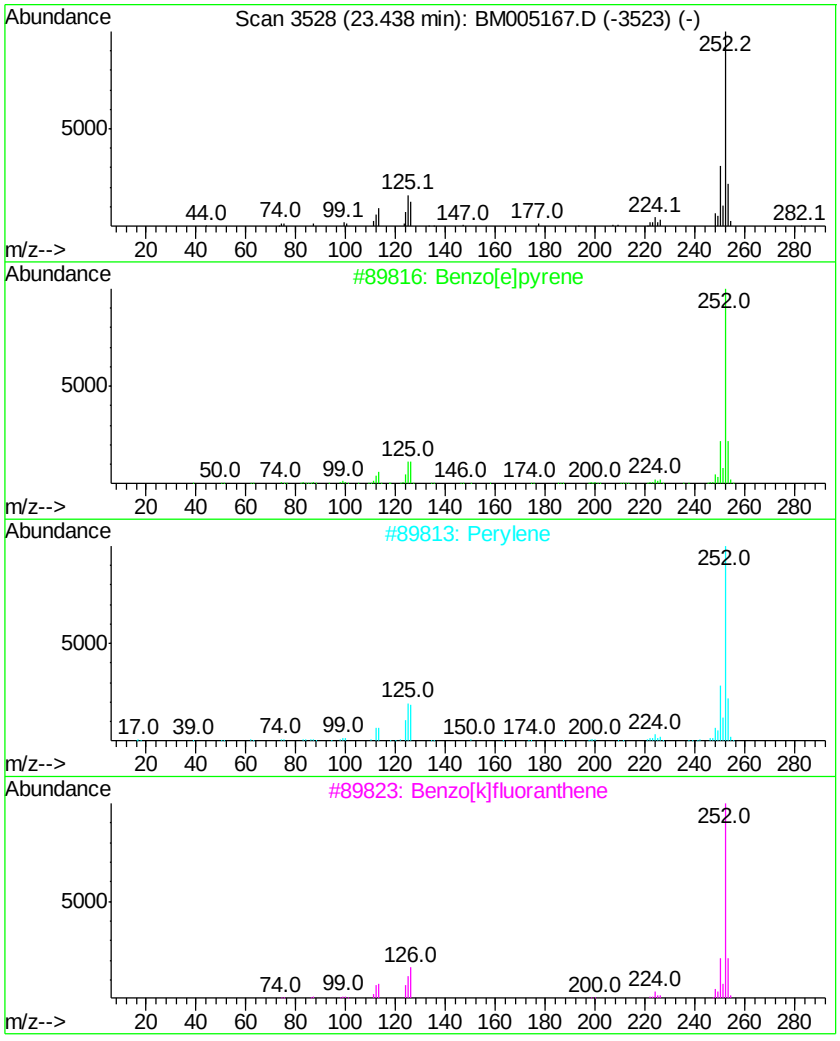
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

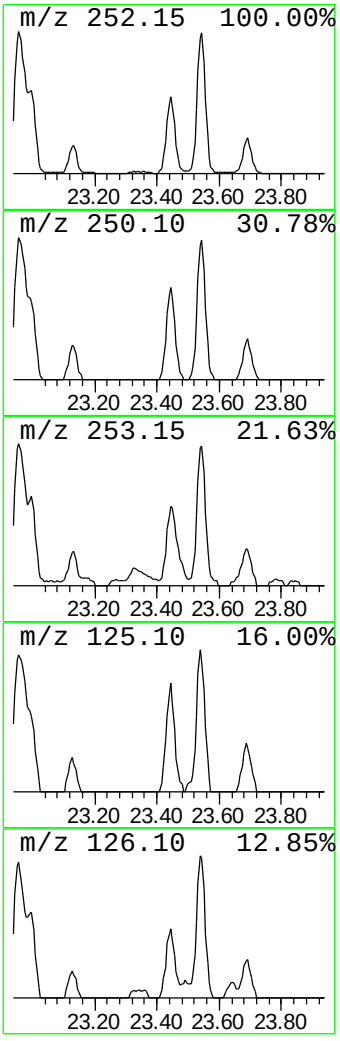
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.44	4.59 ng/ul	132575	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM043016\
Data File : BM005167.D
Acq On : 30 Apr 2016 10:15
Operator : UM/SJ
Sample : H2729-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.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
Amylene Hydrate	2.75	6.2	ng/ul	64053	1	7.79	206956	20.0
Butane, 2-methoxy...	3.03	10.0	ng/ul	103692	1	7.79	206956	20.0
Phenanthrene, 2-m...	18.04	3.0	ng/ul	91576	4	17.17	605929	20.0
Phenanthrene, 1-m...	18.09	3.6	ng/ul	109240	4	17.17	605929	20.0
4H-Cyclopenta[def...	18.24	5.3	ng/ul	161986	4	17.17	605929	20.0
Benzo[e]pyrene	23.44	4.6	ng/ul	132575	6	23.64	577822	20.0