LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021384.D
Acq On : 9 Mar 2016 2:25
Operator : UM/SJ
Sample : H1655-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-D280

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_G\METHODS\SOM02.2-EPA-BG030316.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	5.212	399	404	409	rBV2	5429	8597	0.18%	0.082%
2	7.274	749	755	765	rVB	53018	90914	1.86%	0.869%
3	7.445	778	784	792	rBB	37039	60603	1.24%	0.579%
4	7.656	813	820	827	rBB	51005	84773	1.73%	0.810%
5	8.126	894	900	906	rBV	47196	77249	1.58%	0.738%
6	8.820	1012	1018	1027	rVB2	63091	104324	2.13%	0.997%
7	9.290	1091	1098	1106	rBV2	49819	89145	1.82%	0.852%
8	10.012	1215	1221	1227	rBV2	45234	78170	1.60%	0.747%
9	10.547	1306	1312	1319	rBV	62771	106684	2.18%	1.019%
10	10.935	1371	1378	1384	rBV	67597	121517	2.48%	1.161%
11	11.064	1394	1400	1407	rBV	51599	89292	1.82%	0.853%
12	12.427	1628	1632	1638	rBB3	4697	6827	0.14%	0.065%
13	14.131	1916	1922	1927	rBV	114944	163471	3.34%	1.562%
14	14.178	1927	1930	1936	rVB	23031	31341	0.64%	0.299%
15	14.431	1966	1973	1981	rBB	133763	198098	4.05%	1.893%
16	14.607	1999	2003	2010	rBB	6587	7561	0.15%	0.072%
17	14.736	2019	2025	2031	rBV2	102759	165609	3.38%	1.583%
18	14.801	2031	2036	2041	rVB	11100	16377	0.33%	0.156%
19	14.918	2049	2056	2069	rVB	48591	80888	1.65%	0.773%
20	15.136	2085	2093	2102	rVB3	10133	18081	0.37%	0.173%
21	15.553	2160	2164	2169	rBB2	9036	10940	0.22%	0.105%
22	15.723	2187	2193	2198	rBV	158265	241565	4.93%	2.308%
23	15.776	2198	2202	2207	rVV3	11989	17654	0.36%	0.169%
24	15.829	2207	2211	2220	rVB	47337	70062	1.43%	0.669%
25	15.958	2225	2233	2236	rBV4	3133	7013	0.14%	0.067%
26	16.411	2306	2310	2320	rBV2	8277	14617	0.30%	0.140%
27	17.128	2427	2432	2436	rVB	3521	5040	0.10%	0.048%
28	17.204	2440	2445	2451	rBV3	3693	5877	0.12%	0.056%
29	17.292	2455	2460	2464	rVB2	4306	6478	0.13%	0.062%
30	17.468	2484	2490	2494	rBV2	124055	193644	3.96%	1.850%
31	17.515	2494	2498	2502	rVB	119020	163153	3.33%	1.559%
32	17.568	2502	2507	2512	rBV	167928	247289	5.05%	2.363%
33	17.868	2551	2558	2566	rVB2	11159	15736	0.32%	0.150%
34	18.338	2634	2638	2643	rBV2	18173	27610	0.56%	0.264%

LSC Area Percent Report

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Acq On : 9 Mar 2016 2:25
Operator : UM/SJ
Sample : H1655-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-D280

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_G\METHODS\SOM02.2-EPA-BG030316.M
Title : SVOA CALIBRATION

35	18.391	2643	2647	2654	rVB2	13358	20146	0.41%	0.193%
36	18.538	2665	2672	2677	rBV2	14673	29402	0.60%	0.281%
37	18.831	2718	2722	2726	rBV	5669	7884	0.16%	0.075%
38	18.873	2726	2729	2734	rVB2	9515	12801	0.26%	0.122%
39	19.513	2829	2838	2845	rBV	151062	218031	4.45%	2.083%
40	19.842	2888	2894	2897	rVV	207965	319897	6.53%	3.057%
41	19.871	2897	2899	2905	rVV	112829	137402	2.81%	1.313%
42	19.942	2905	2911	2915	rVB2	5653	9976	0.20%	0.095%
43	20.042	2923	2928	2933	rVB	7533	12712	0.26%	0.121%
44	20.112	2935	2940	2943	rBV2	6460	9788	0.20%	0.094%
45	20.171	2946	2950	2954	rBV3	24096	35782	0.73%	0.342%
46	20.330	2970	2977	2978	rBV3	6993	11561	0.24%	0.110%
47	20.359	2978	2982	2986	rVB	18339	26326	0.54%	0.252%
48	20.453	2992	2998	3002	rBV2	14431	21724	0.44%	0.208%
49	20.512	3003	3008	3012	rVV4	7325	12458	0.25%	0.119%
50	20.653	3027	3032	3036	rBV	4527	8291	0.17%	0.079%
51	20.700	3036	3040	3043	rVV3	7129	11425	0.23%	0.109%
52	20.747	3043	3048	3052	rVB	443690	561530	11.47%	5.366%
53	21.117	3108	3111	3116	rVB2	7553	10917	0.22%	0.104%
54	21.311	3137	3144	3147	rBV2	10606	19340	0.40%	0.185%
55	21.352	3147	3151	3157	rVV2	45323	77501	1.58%	0.741%
56	21.399	3157	3159	3164	rVV5	11590	16588	0.34%	0.159%
57	21.458	3164	3169	3173	rVV3	8411	12819	0.26%	0.122%
58	21.616	3187	3196	3201	rBV	3308352	4895794	100.00%	46.783%
59	21.728	3207	3215	3220	rBV2	150566	336294	6.87%	3.214%
60	21.781	3220	3224	3234	rVB	52247	88535	1.81%	0.846%
61	21.934	3246	3250	3256	rVB6	7968	14993	0.31%	0.143%
62	22.081	3272	3275	3279	rVB2	4780	6366	0.13%	0.061%
63	22.139	3282	3285	3293	rVB6	5101	9329	0.19%	0.089%
64	22.750	3384	3389	3393	rBV6	4824	10781	0.22%	0.103%
65	22.891	3411	3413	3417	rVB5	4248	5275	0.11%	0.050%
66	23.203	3459	3466	3476	rVB7	16551	44330	0.91%	0.424%
67	23.326	3483	3487	3494	rVB7	8230	16069	0.33%	0.154%
68	23.408	3497	3501	3505	rVB5	4587	7651	0.16%	0.073%
69	23.955	3584	3594	3600	rBV2	32980	108934	2.23%	1.041%
70	24.014	3601	3604	3611	rVB4	27354	54474	1.11%	0.521%
71	24.208	3632	3637	3646	rVB4	7321	16266	0.33%	0.155%

LSC Area Percent Report

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Acq On : 9 Mar 2016 2:25
Operator : UM/SJ
Sample : H1655-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-D280

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_G\METHODS\SOM02.2-EPA-BG030316.M
Title : SVOA CALIBRATION

72	24.689	3711	3719	3722	rBV4	9537	24663	0.50%	0.236%
73	24.766	3724	3732	3739	rVV	81164	218449	4.46%	2.087%
74	24.830	3739	3743	3752	rVB	22846	53320	1.09%	0.510%
75	24.983	3759	3769	3778	rBV	78443	221307	4.52%	2.115%
76	26.099	3951	3959	3968	rBV4	11541	32279	0.66%	0.308%
77	26.252	3977	3985	3986	rBV5	2693	5814	0.12%	0.056%
78	27.468	4186	4192	4200	rVB6	7634	20457	0.42%	0.195%
79	28.679	4391	4398	4408	rBV6	8040	28757	0.59%	0.275%
80	29.108	4464	4471	4478	rBV9	4847	14211	0.29%	0.136%

Sum of corrected areas: 10464848

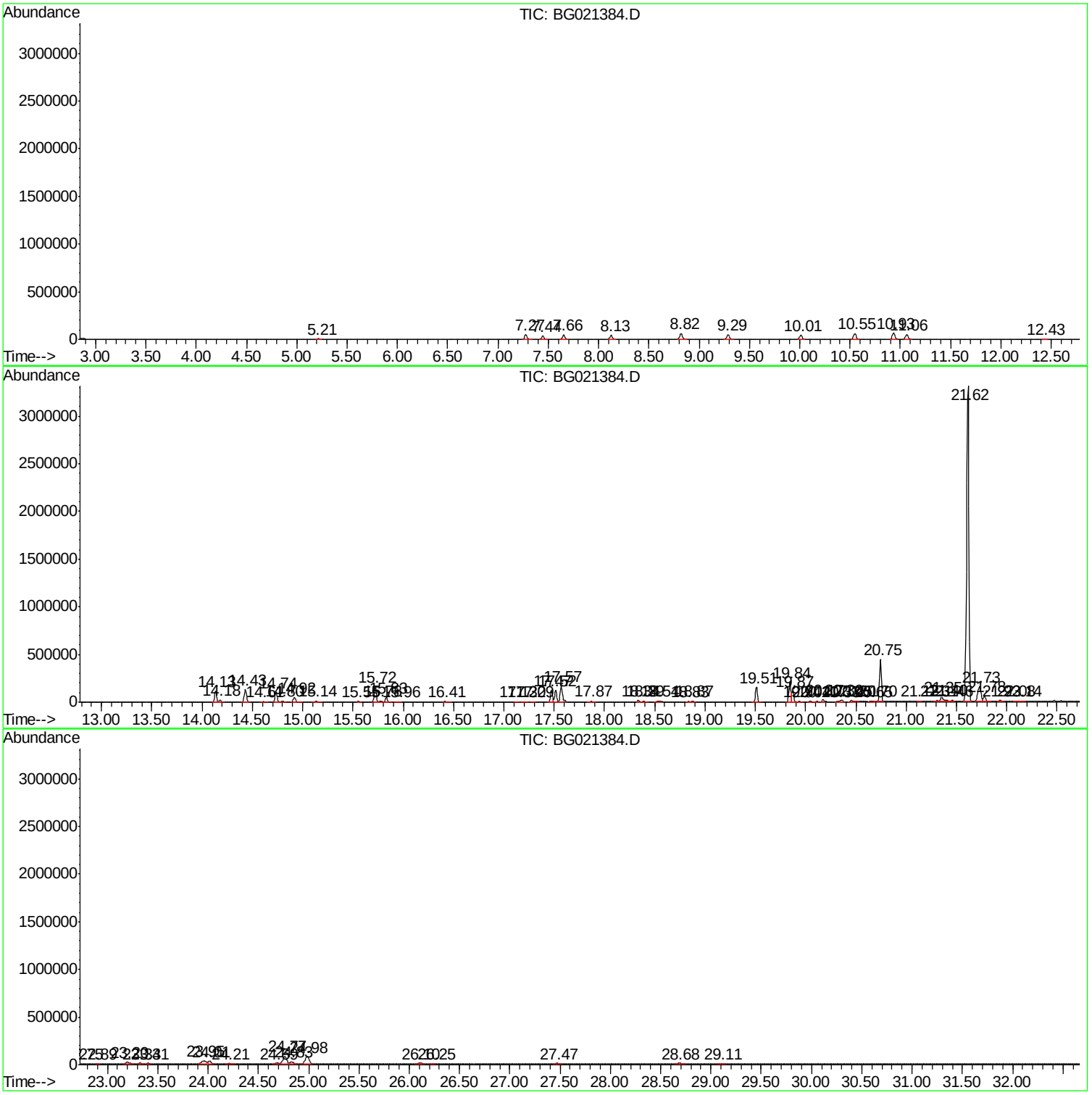
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021384.D
Acq On : 9 Mar 2016 2:25
Operator : UM/SJ
Sample : H1655-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MS-SS-D280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021384.D
Acq On : 9 Mar 2016 2:25
Operator : UM/SJ
Sample : H1655-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-D280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

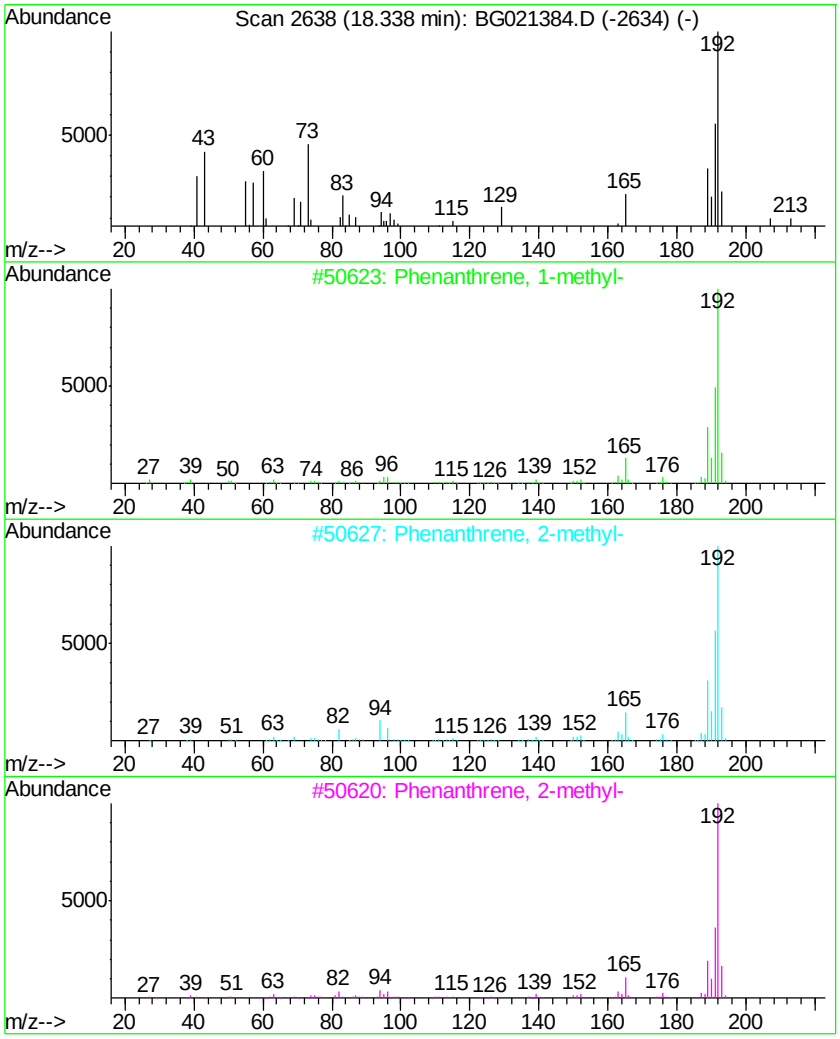
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

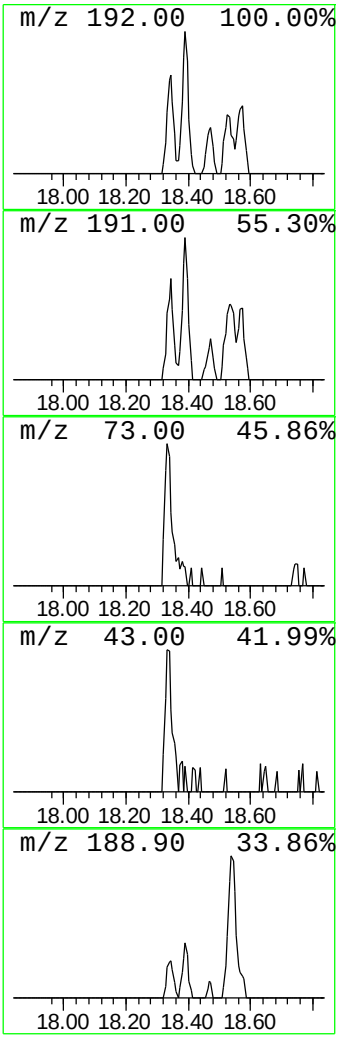
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.85 ng/ul	27610	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	58
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	58
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	53
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	52
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021384.D
Acq On : 9 Mar 2016 2:25
Operator : UM/SJ
Sample : H1655-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-D280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

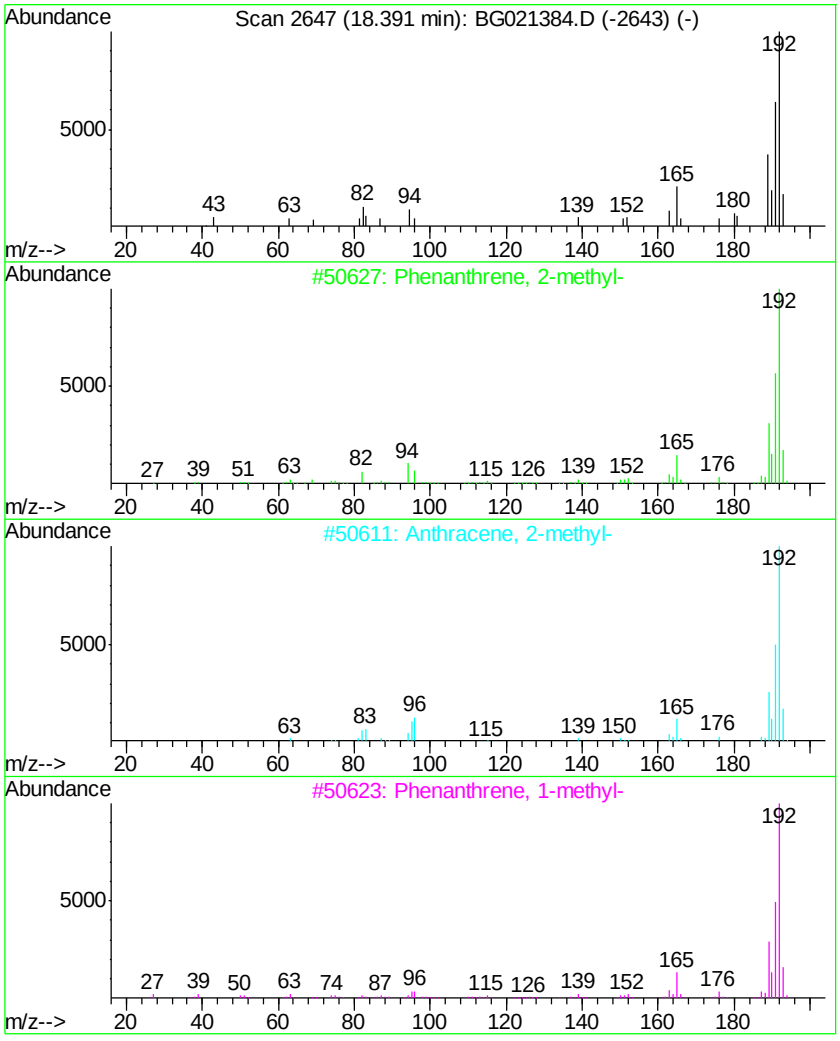
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

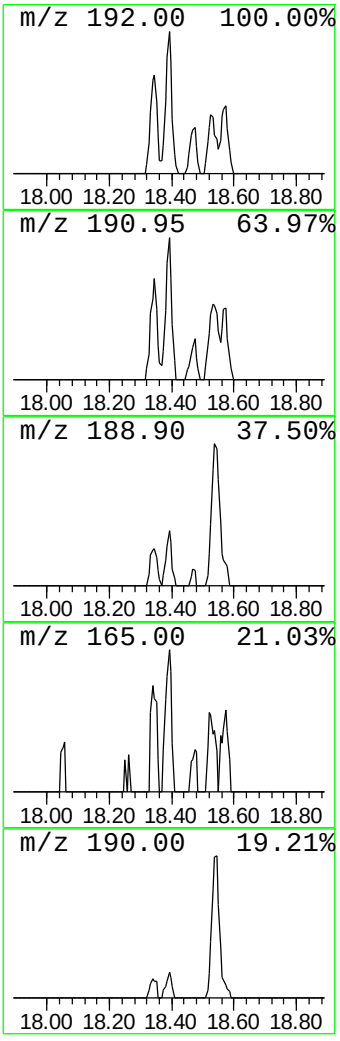
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	2.08 ng/ul	20146	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	74





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021384.D
Acq On : 9 Mar 2016 2:25
Operator : UM/SJ
Sample : H1655-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-D280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

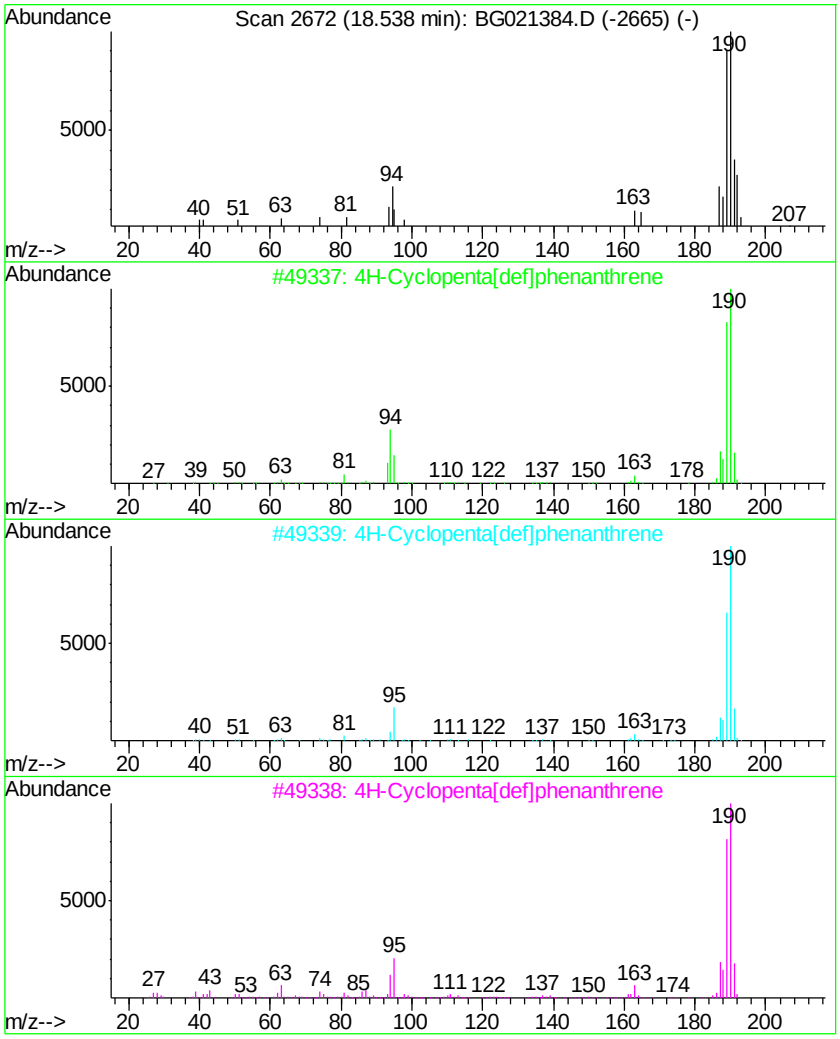
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

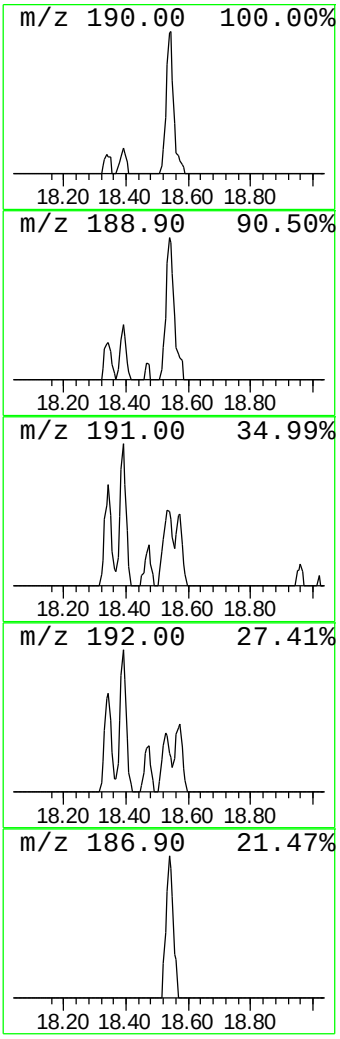
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	3.04 ng/ul	29402	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021384.D
Acq On : 9 Mar 2016 2:25
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Sample : H1655-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-D280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

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

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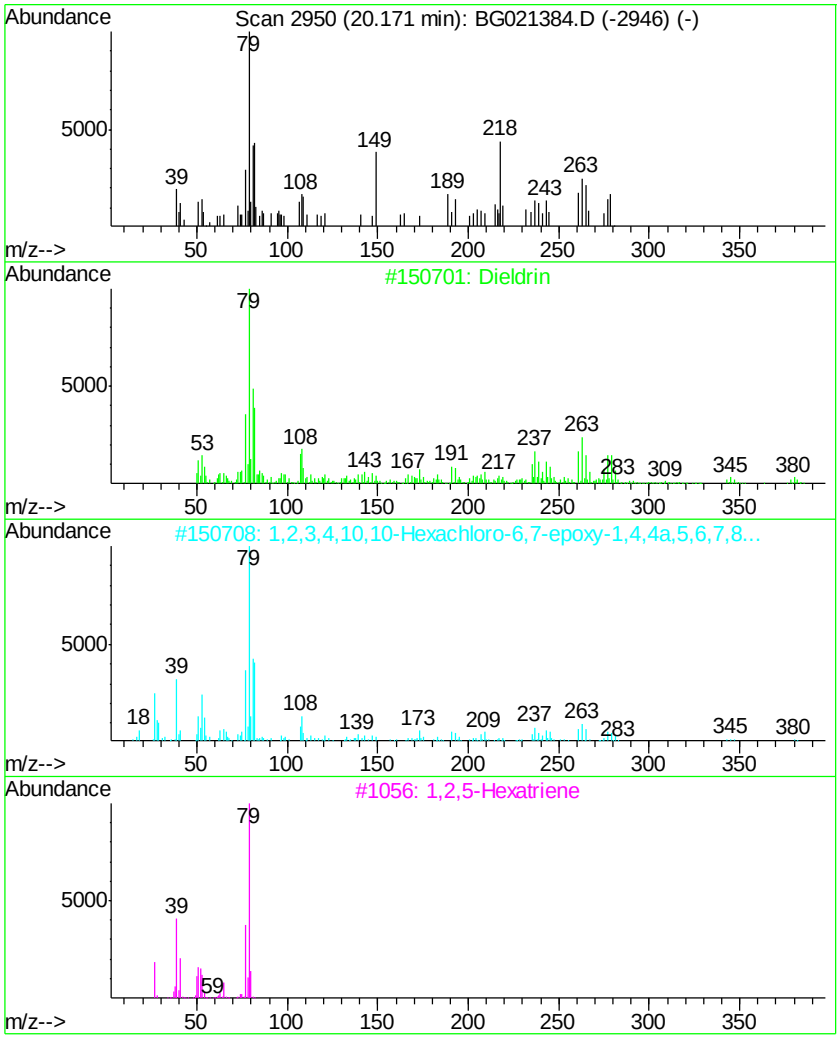
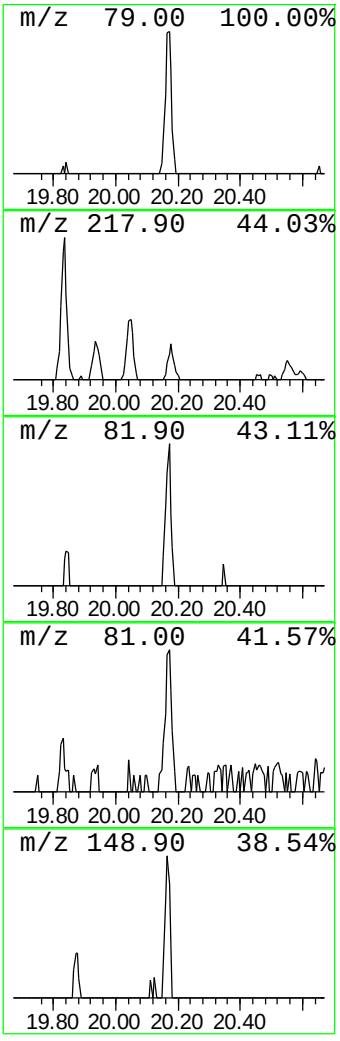
Peak Number 5 Dieldrin Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	2.13 ng/ul	35782	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dieldrin	378	C12H8Cl6O	000060-57-1	60
2	1,2,3,4,10,10-Hexachloro-6,7-epo...	378	C12H8Cl6O	056816-04-7	25
3	1,2,5-Hexatriene	80	C6H8	003642-18-0	18
4	5,6-Epoxy-2,2-dimethyloct-7-ene-...	150	C10H14O	1000222-68-1	14
5	Cyclopropane, ethenylmethylene-	80	C6H8	019995-92-7	14





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
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Acq On : 9 Mar 2016 2:25
Operator : UM/SJ
Sample : H1655-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-D280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

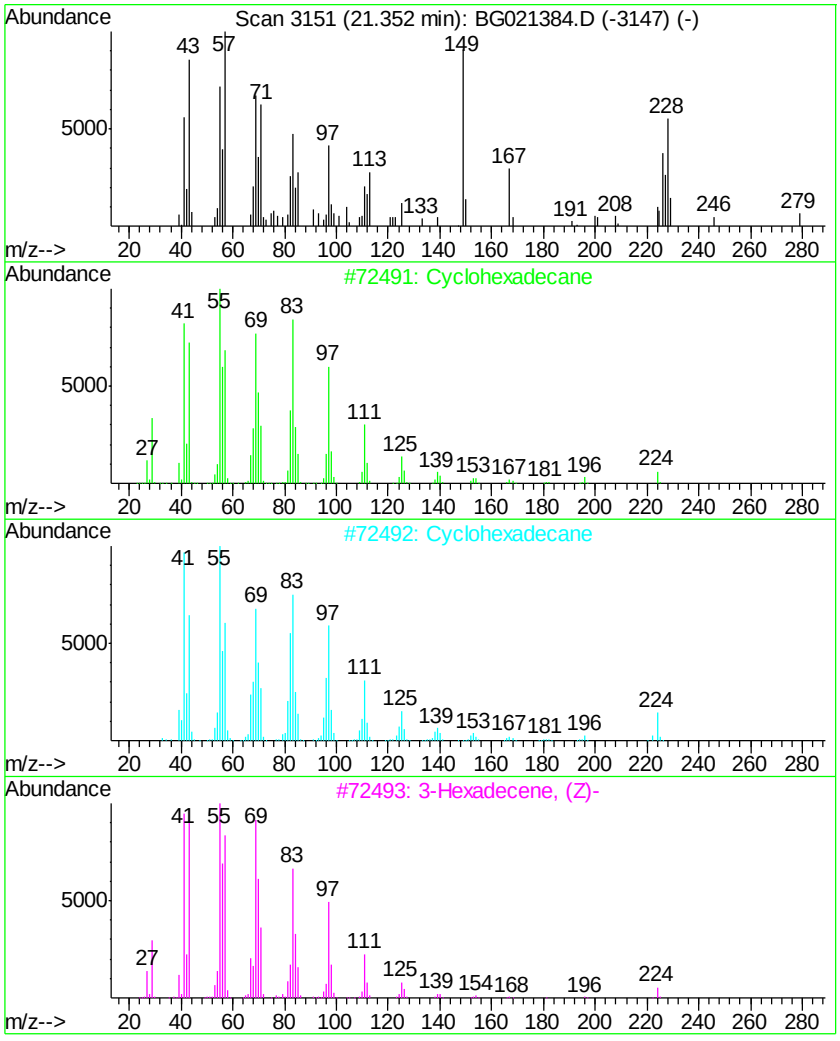
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

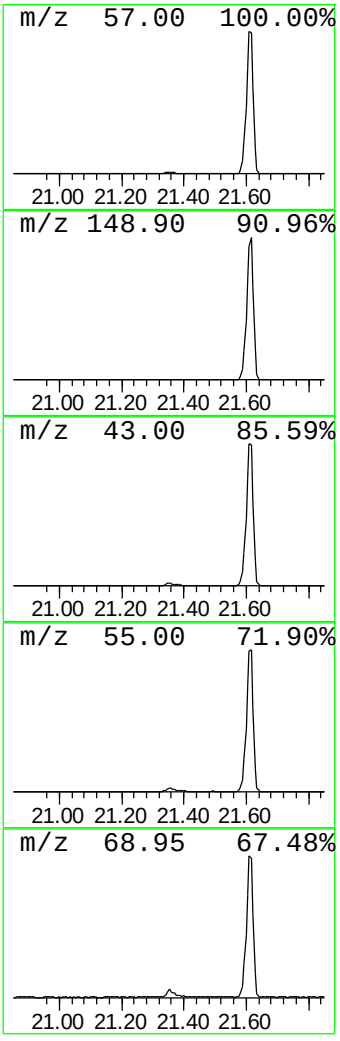
****

Peak Number 6 (DEL) Alkane: Cyclic21.35 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.35	4.61 ng/ul	77501	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	43
2	Cyclohexadecane	224	C16H32	000295-65-8	25
3	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	25
4	1-Hexadecanol	242	C16H34O	036653-82-4	25
5	Cyclopentadecane	210	C15H30	000295-48-7	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021384.D
Acq On : 9 Mar 2016 2:25
Operator : UM/SJ
Sample : H1655-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-D280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

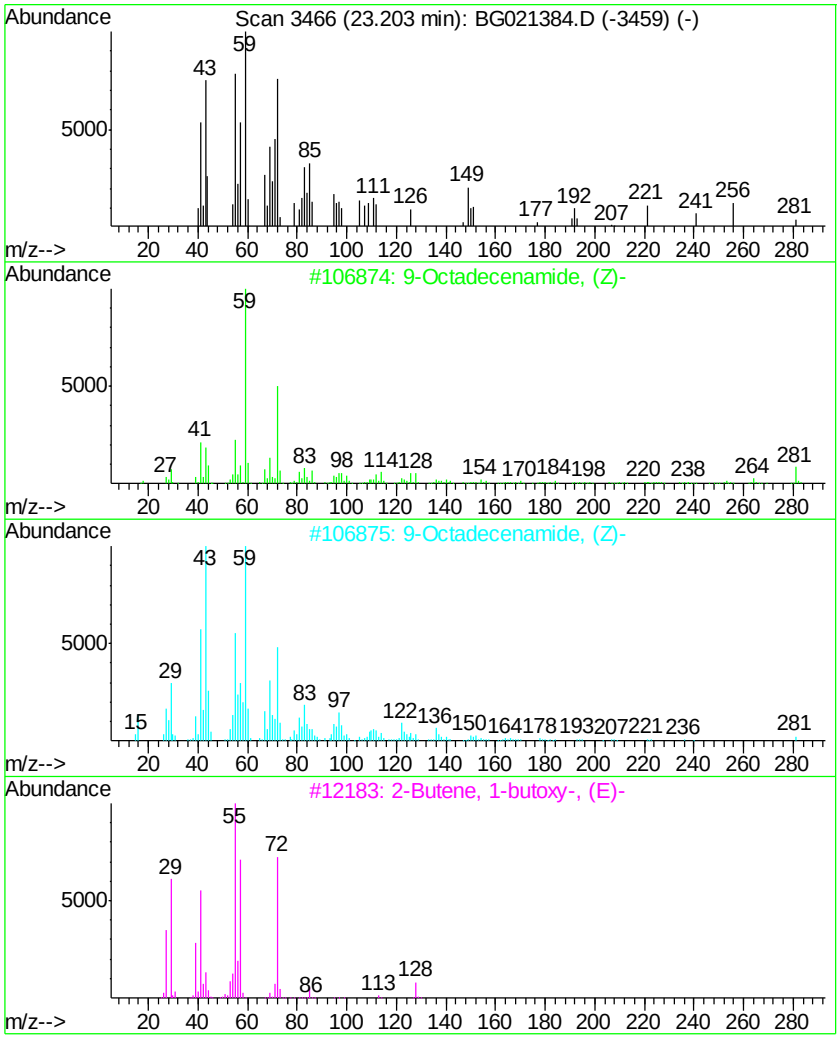
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

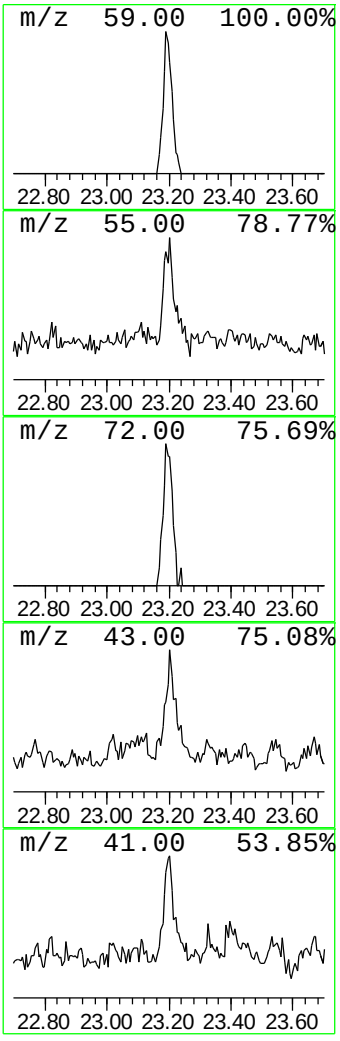
****

Peak Number 7 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.20	2.64 ng/ul	44330	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	46
2	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	35
3	2-Butene, 1-butoxy-, (E)-	128	C8H16O	056052-72-3	14
4	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	14
5	1,3-Diazaspiro[4.4]-2,4-dioxonon...	197	C8H11N3O3	1000214-44-8	14





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021384.D
Acq On : 9 Mar 2016 2:25
Operator : UM/SJ
Sample : H1655-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-D280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

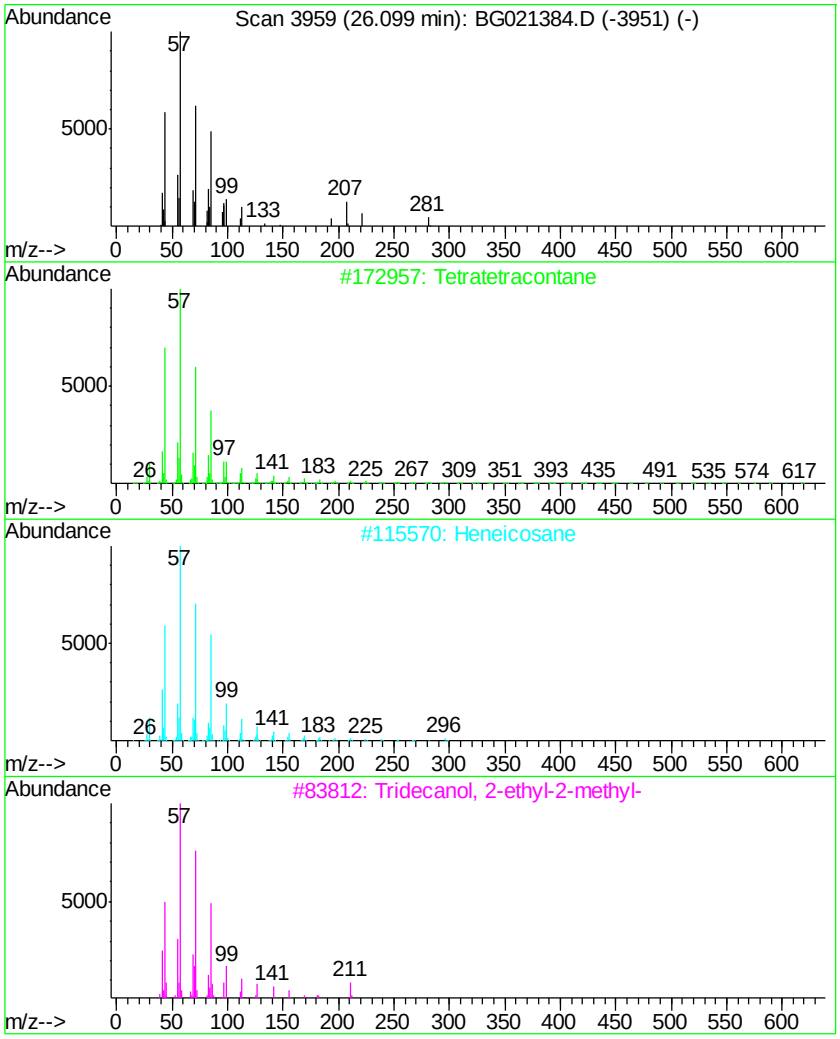
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

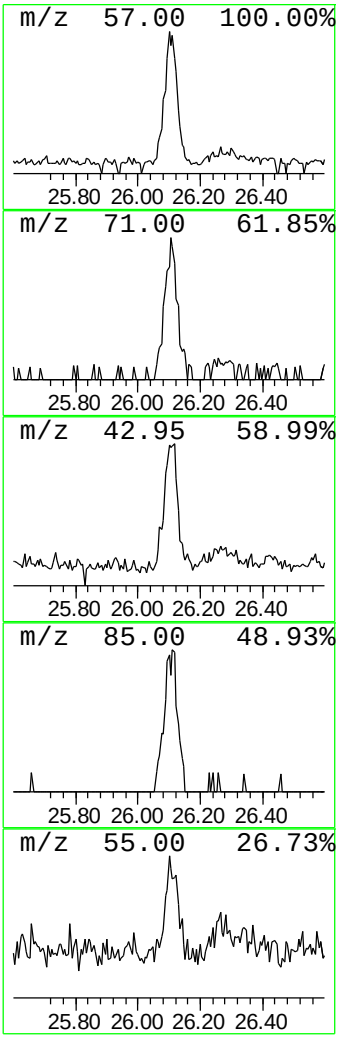
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.10	2.92 ng/ul	32279	Perylene-d12	24.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	80
2	Heneicosane	296	C21H44	000629-94-7	59
3	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	59
4	Heptadecane	240	C17H36	000629-78-7	53
5	Heptadecane	240	C17H36	000629-78-7	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021384.D
Acq On : 9 Mar 2016 2:25
Operator : UM/SJ
Sample : H1655-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-D280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.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
Phenanthrene, 1-m...	18.34	2.9	ng/ul	27610	4	17.47	193644	20.0
Phenanthrene, 2-m...	18.39	2.1	ng/ul	20146	4	17.47	193644	20.0
4H-Cyclopenta[def...	18.54	3.0	ng/ul	29402	4	17.47	193644	20.0
Dieldrin	20.17	2.1	ng/ul	35782	5	21.73	336294	20.0
(DEL) Alkane: Cyc...	21.35	4.6	ng/ul	77501	5	21.73	336294	20.0
unknown-01	23.20	2.6	ng/ul	44330	5	21.73	336294	20.0
(DEL) Alkane: Str...	26.10	2.9	ng/ul	32279	6	24.98	221307	20.0