LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032916\
Data File : BM004829.D
Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

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-BM031516.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	6.516	646	651	657	rBV	75284	113555	5.69%	0.532%
2	6.987	725	731	741	rBV	223112	363503	18.21%	1.702%
3	7.157	754	760	770	rVB	198408	301240	15.09%	1.411%
4	7.357	787	794	804	rVB	229467	365144	18.29%	1.710%
5	7.828	867	874	881	rVB	184088	299834	15.02%	1.404%
6	8.522	986	992	1001	rBV	311784	498204	24.95%	2.333%
7	8.981	1063	1070	1080	rVB	222773	363451	18.20%	1.702%
8	9.698	1184	1192	1201	rBV	180027	297425	14.90%	1.393%
9	10.233	1277	1283	1299	rVB	308009	504597	25.27%	2.363%
10	10.616	1340	1348	1355	rBV	308279	510848	25.59%	2.393%
11	10.751	1364	1371	1383	rBV	280422	484146	24.25%	2.268%
12	13.869	1895	1901	1905	rBV	601572	839138	42.03%	3.930%
13	13.916	1905	1909	1916	rVB	228296	314138	15.73%	1.471%
14	14.157	1943	1950	1961	rBV	656286	1006766	50.43%	4.715%
15	14.357	1980	1984	1989	rBV	18627	22460	1.12%	0.105%
16	14.463	1992	2002	2010	rVB2	481690	750718	37.60%	3.516%
17	14.651	2028	2034	2052	rBV	271994	394020	19.74%	1.845%
18	15.310	2141	2146	2150	rBV	27091	31702	1.59%	0.148%
19	15.457	2164	2171	2179	rVB	893104	1321831	66.21%	6.191%
20	15.568	2185	2190	2199	rBV	267291	361685	18.12%	1.694%
21	15.692	2207	2211	2219	rBV2	11611	24803	1.24%	0.116%
22	16.168	2287	2292	2300	rBV	27503	47019	2.36%	0.220%
23	17.204	2462	2468	2475	rBV2	662386	957513	47.96%	4.485%
24	17.304	2479	2485	2496	rVB2	999829	1447385	72.50%	6.779%
25	18.092	2614	2619	2625	rBV	50501	67775	3.39%	0.317%
26	19.509	2852	2860	2865	rBV	289011	349169	17.49%	1.635%
27	19.598	2869	2875	2886	rVV	1282987	1830888	91.71%	8.575%
28	19.721	2892	2896	2901	rVB	40548	44634	2.24%	0.209%
29	20.186	2971	2975	2980	rVB	38668	40124	2.01%	0.188%
30	20.515	3027	3031	3032	rBV	171098	171649	8.60%	0.804%
31	20.533	3032	3034	3043	rVV	194470	260060	13.03%	1.218%
32	21.103	3125	3131	3140	rBV2	229380	324347	16.25%	1.519%
33	21.209	3145	3149	3150	rVV2	55016	59232	2.97%	0.277%
34	21.227	3150	3152	3159	rVB	56147	74653	3.74%	0.350%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032916\
Data File : BM004829.D
Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

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-BM031516.M
Title : SVOA CALIBRATION

35	21.392	3174	3180	3189	rBV	1030115	1330102	66.62%	6.230%
36	21.521	3199	3202	3210	rBV5	13689	25330	1.27%	0.119%
37	21.815	3248	3252	3257	rVB3	22426	27392	1.37%	0.128%
38	21.939	3270	3273	3277	rBV2	22602	30132	1.51%	0.141%
39	21.980	3277	3280	3287	rVB2	54312	79934	4.00%	0.374%
40	22.450	3355	3360	3365	rBV2	35772	51440	2.58%	0.241%
41	22.686	3396	3400	3405	rBV4	14325	21836	1.09%	0.102%
42	22.974	3443	3449	3454	rBV	320973	475942	23.84%	2.229%
43	23.538	3537	3545	3556	rBV	1000181	1996489	100.00%	9.351%
44	23.686	3562	3570	3581	rVB2	613282	1207314	60.47%	5.655%
45	23.880	3598	3603	3612	rVB	45016	80619	4.04%	0.378%
46	24.221	3655	3661	3667	rVB	115864	216969	10.87%	1.016%
47	24.303	3668	3675	3690	rVV	155287	345771	17.32%	1.619%
48	24.985	3785	3791	3798	rVB2	56580	123755	6.20%	0.580%
49	25.885	3937	3944	3953	rVB2	60737	159059	7.97%	0.745%
50	26.944	4118	4124	4134	rVB3	24765	71235	3.57%	0.334%
51	27.615	4231	4238	4249	rVB8	24361	81598	4.09%	0.382%
52	27.821	4267	4273	4285	rVB4	54237	182690	9.15%	0.856%

Sum of corrected areas: 21351263

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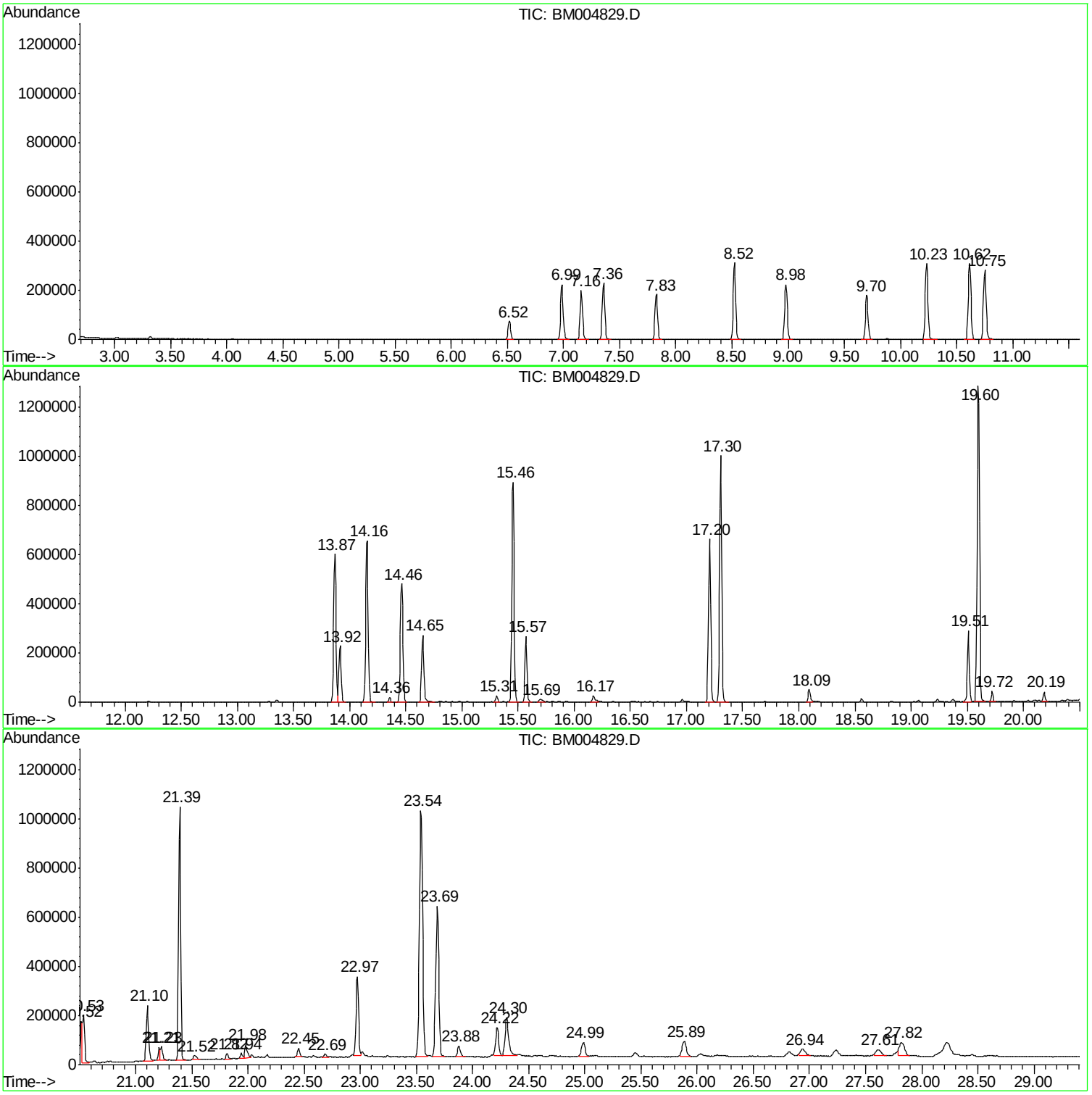
Data File : BM004829.D
Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.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\BM032916\
Data File : BM004829.D
Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

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

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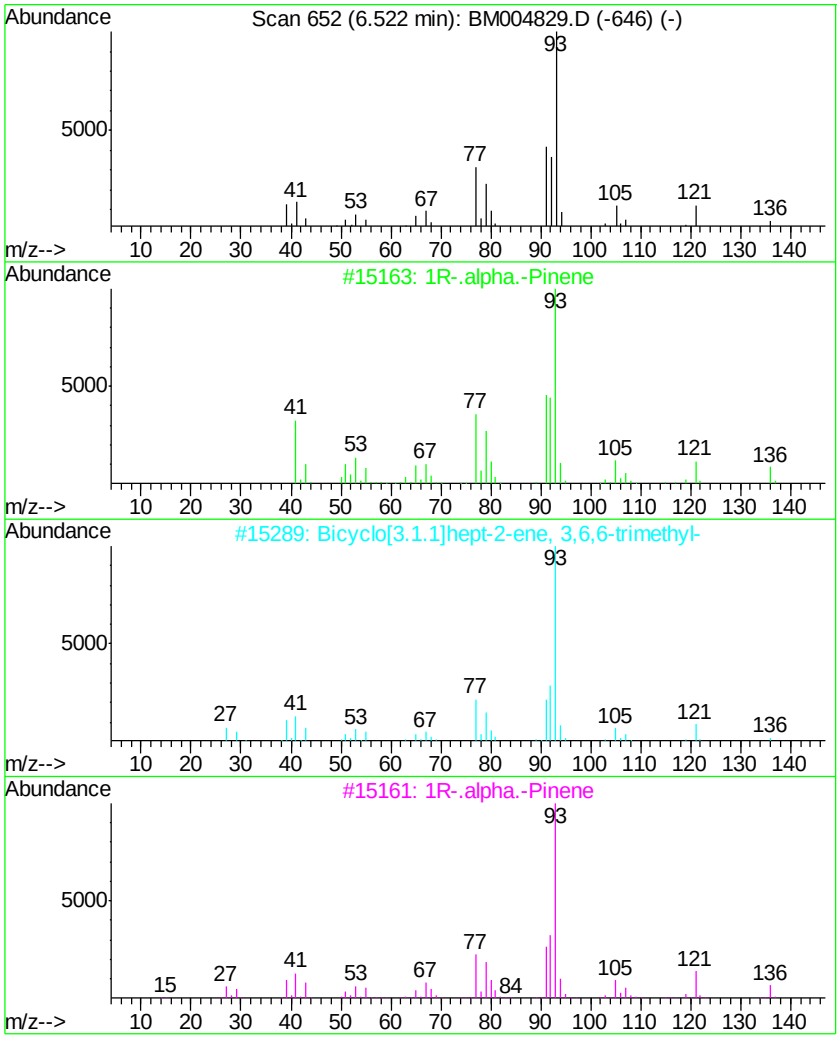
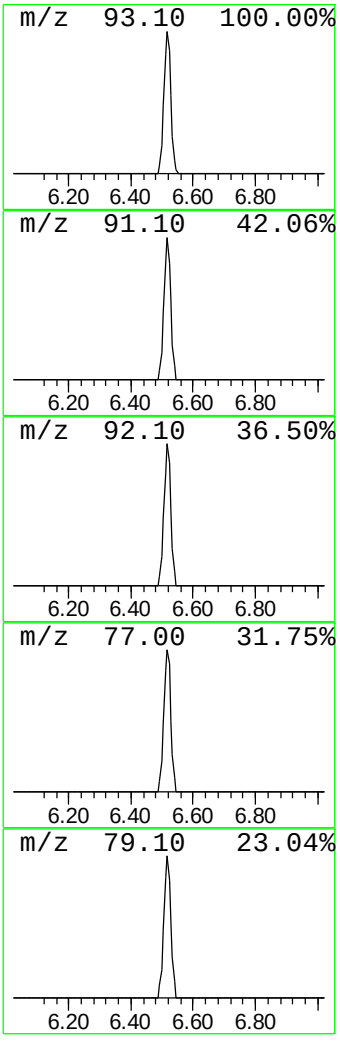
Peak Number 1 1R-.alpha.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	7.57 ng/ul	113555	1,4-Dichlorobenzene-d4	7.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
3	1R-.alpha.-Pinene	136	C10H16	007785-70-8	91
4	.alpha.-Pinene	136	C10H16	000080-56-8	91
5	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032916\
Data File : BM004829.D
Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

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

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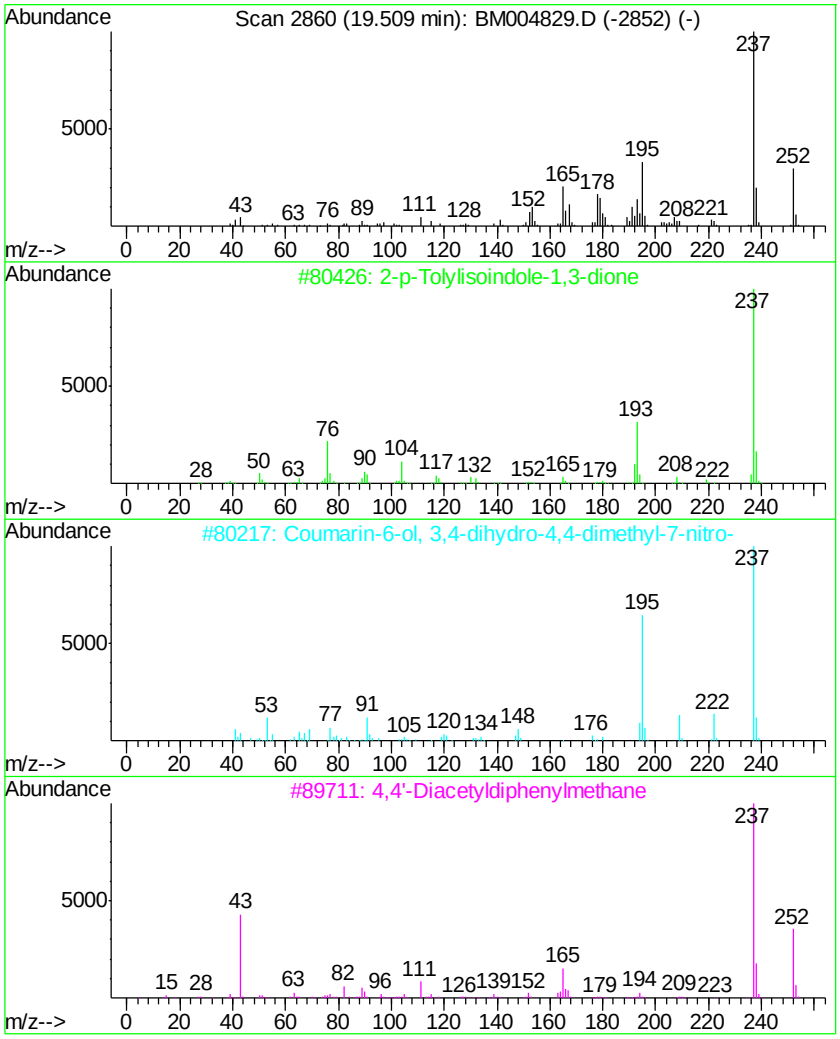
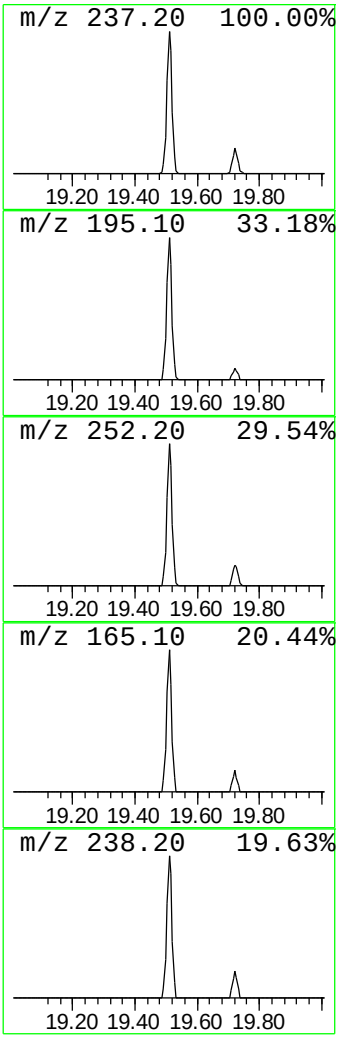
Peak Number 2 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.51	5.25 ng/ul	349169	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-p-Tolylisoindole-1,3-dione	237	C15H11NO2	002142-03-2	47
2	Coumarin-6-ol, 3,4-dihydro-4,4-d...	237	C11H11NO5	1000126-61-0	47
3	4,4'-Diacetyldiphenylmethane	252	C17H16O2	000790-82-9	45
4	p,p-Bis(1-aziridinyl)-N-(p-tolyl...	237	C11H16N3OP	027824-40-4	40
5	1-Phenyl-3-(2-pyridyl)-5-pyrazolone	237	C14H11N3O	021683-60-3	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032916\
Data File : BM004829.D
Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

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

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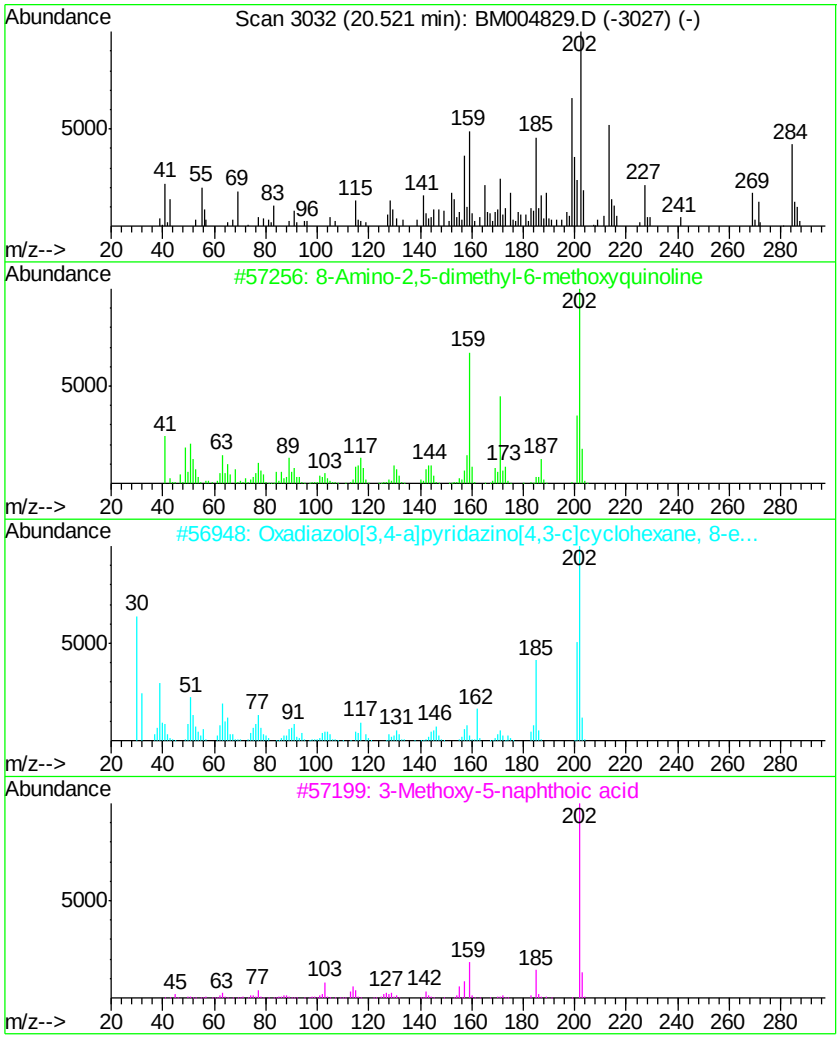
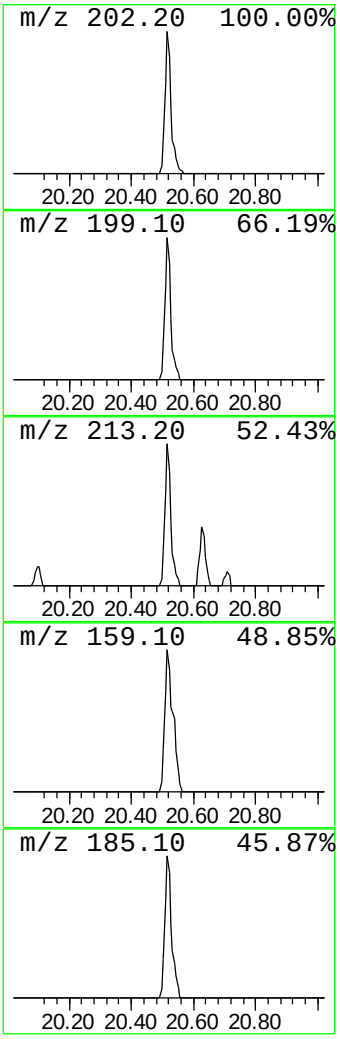
Peak Number 3 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	2.58 ng/ul	171649	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Amino-2,5-dimethyl-6-methoxyqu...	202	C12H14N2O	1000214-69-9	30
2	Oxadiazolo[3,4-a]pyridazino[4,3-...	202	C10H10N4O	1000260-59-4	20
3	3-Methoxy-5-naphthoic acid	202	C12H10O3	007498-58-0	18
4	13,5-Trimethyl-2-cyclohexylbenzene	202	C15H22	004516-10-3	14
5	Androsta-5,7-diene, 4,4-dimethyl-	284	C21H32	1000194-15-2	14





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032916\
Data File : BM004829.D
Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

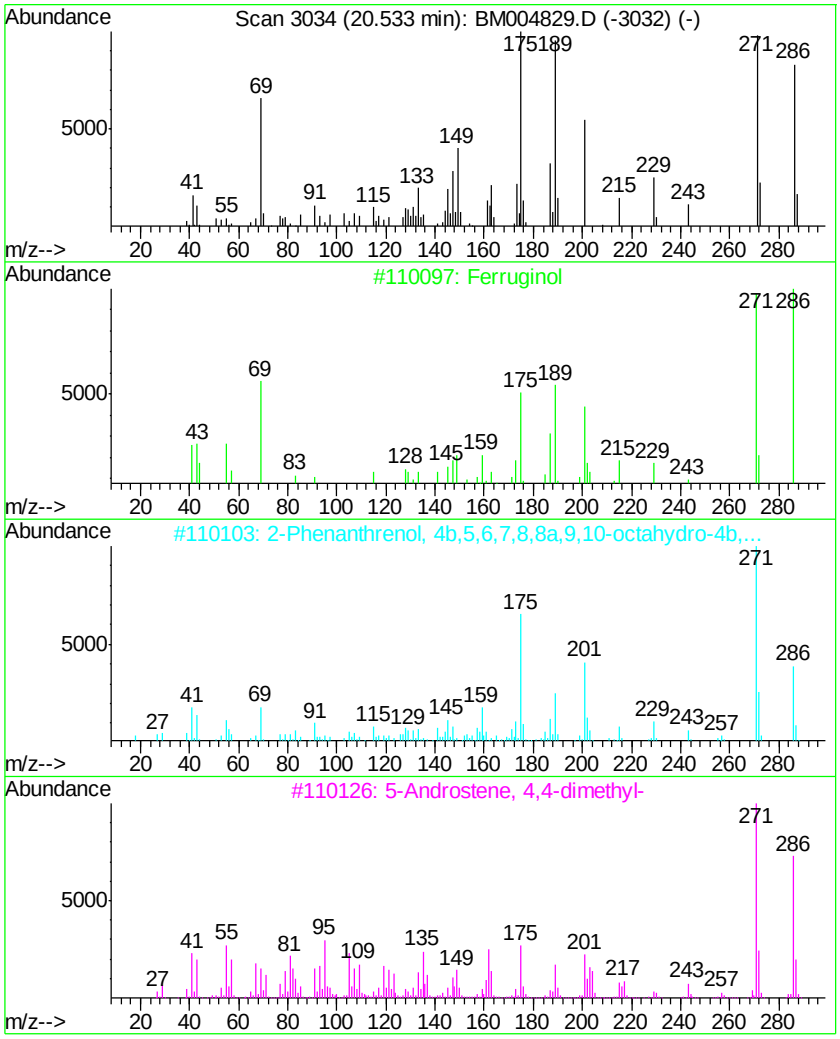
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

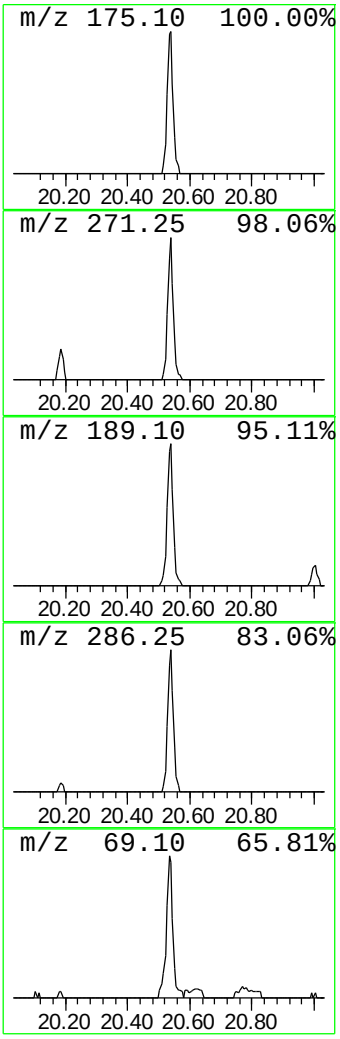
****

Peak Number 4 Ferruginol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.53	3.91 ng/ul	260060	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ferruginol	286	C20H30O	000514-62-5	64
2	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	38
3	5-Androstene, 4,4-dimethyl-	286	C21H34	1000194-15-4	38
4	1-Methoxyethyl-4,8-dimethoxy-9H-...	286	C16H18N2O3	082652-19-5	27
5	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	25





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032916\
Data File : BM004829.D
Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

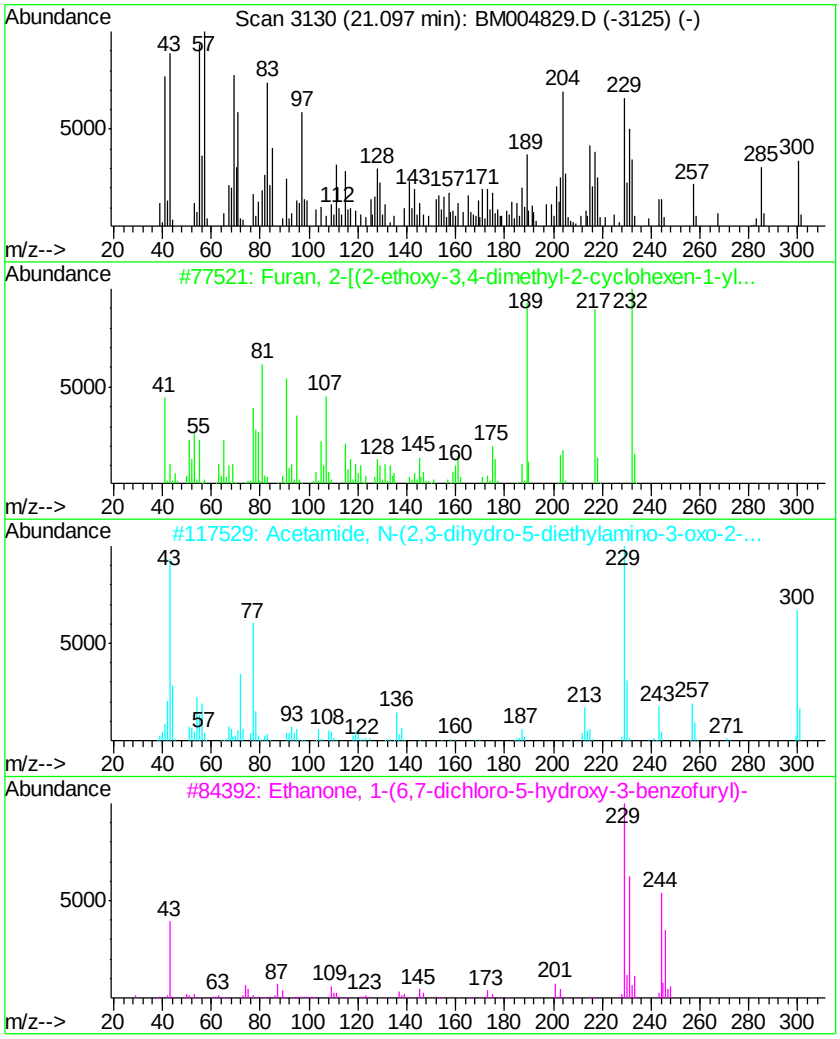
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

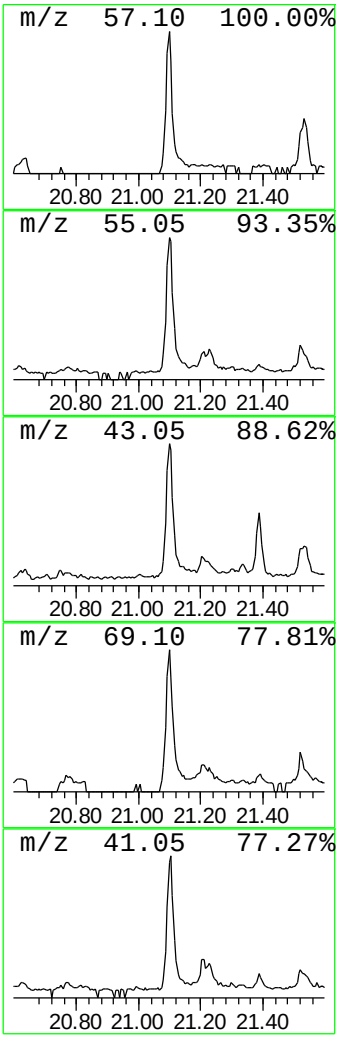
****

Peak Number 5 unknown-03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	4.88 ng/ul	324347	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2-[(2-ethoxy-3,4-dimethyl...	232	C15H20O2	055162-49-7	42
2	Acetamide, N-(2,3-dihydro-5-diet...	300	C16H20N4O2	125291-77-2	35
3	Ethanone, 1-(6,7-dichloro-5-hydr...	244	C10H6Cl2O3	329210-01-7	27
4	1,1-Di(n-hexyloxy)-1-silacyclope...	286	C16H34O2Si	1000245-75-2	15
5	Phenanthrene, 1,2,3,4,4a,9,10,10...	300	C21H32O	010064-26-3	11





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032916\
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Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

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

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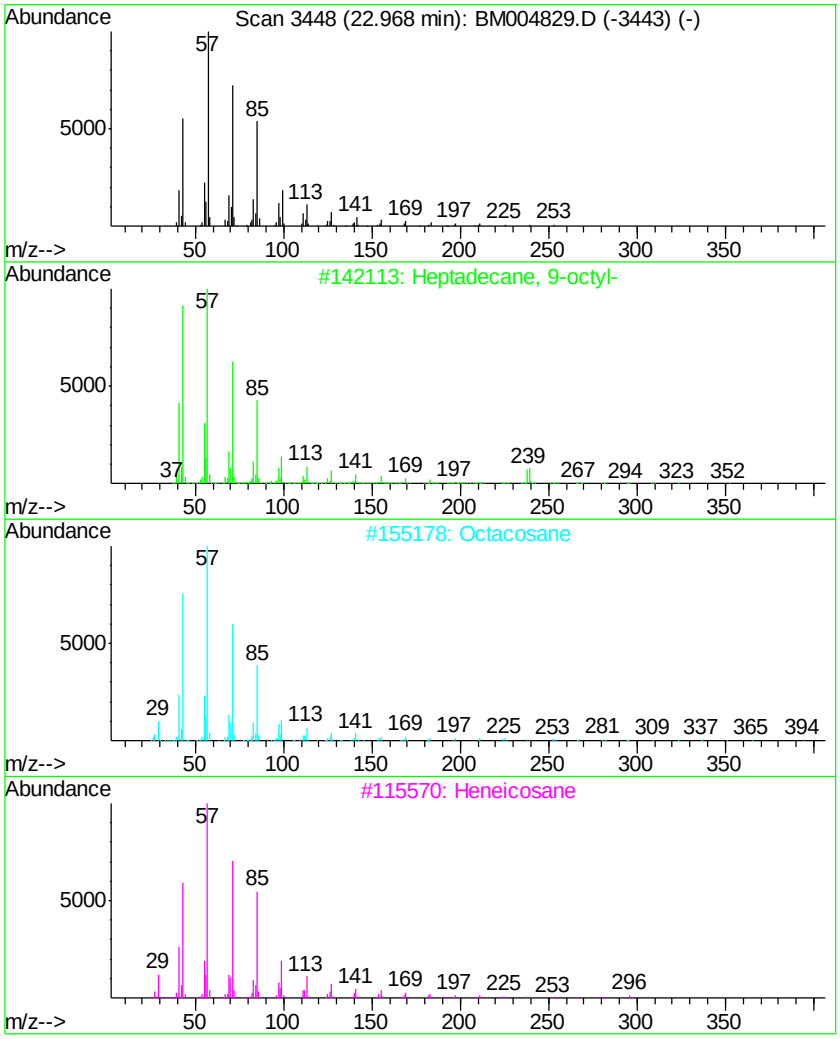
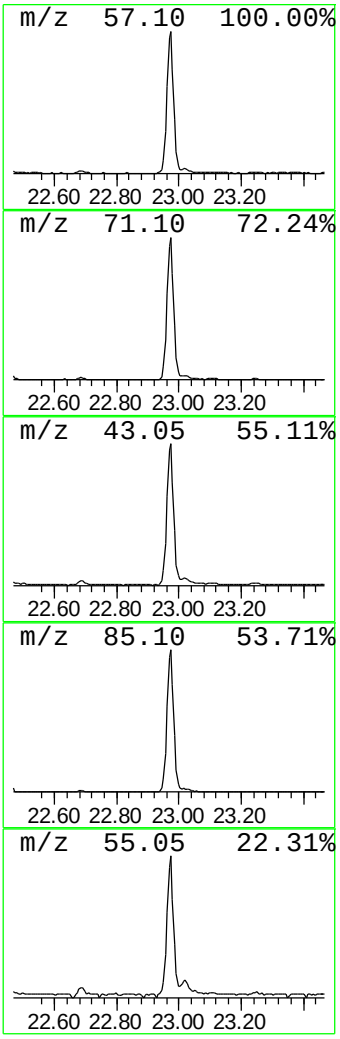
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.97	7.88 ng/ul	475942	Perylene-d12	23.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Tetratetracontane	619	C44H90	007098-22-8	91
5	Octacosane	394	C28H58	000630-02-4	91





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Data File : BM004829.D
Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

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

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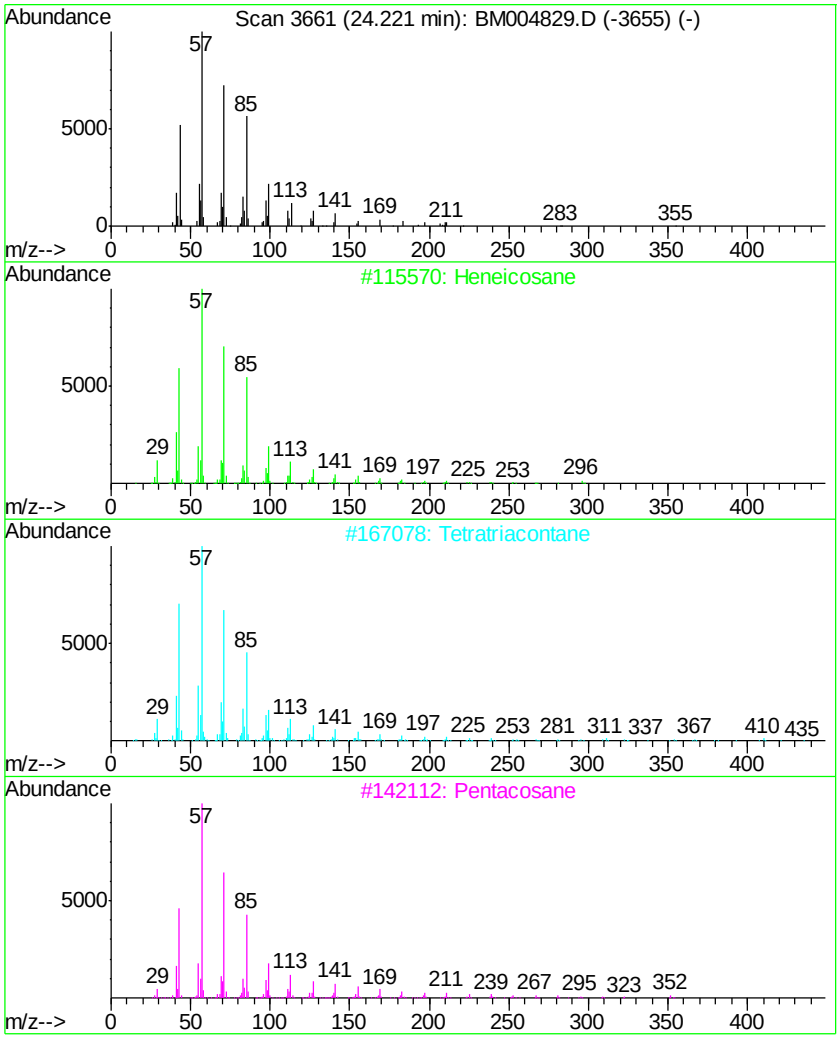
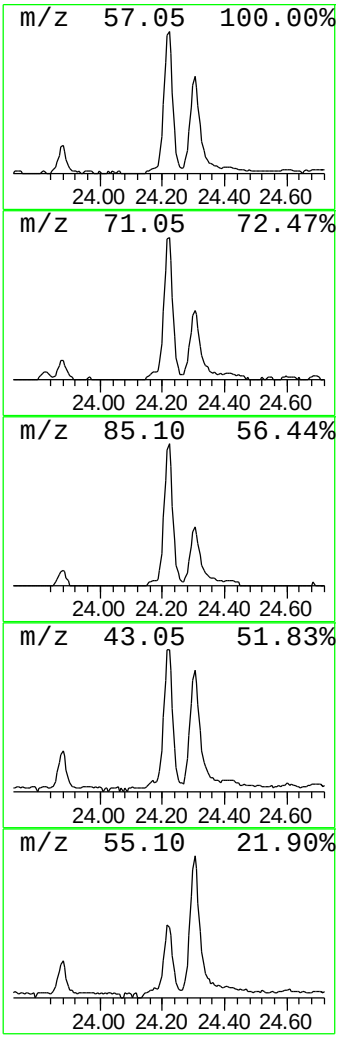
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.22	3.59 ng/ul	216969	Perylene-d12	23.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Tetratriacontane	479	C34H70	014167-59-0	91
3	Pentacosane	352	C25H52	000629-99-2	90
4	Octacosane	394	C28H58	000630-02-4	87
5	Tetratetracontane	619	C44H90	007098-22-8	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032916\
Data File : BM004829.D
Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

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

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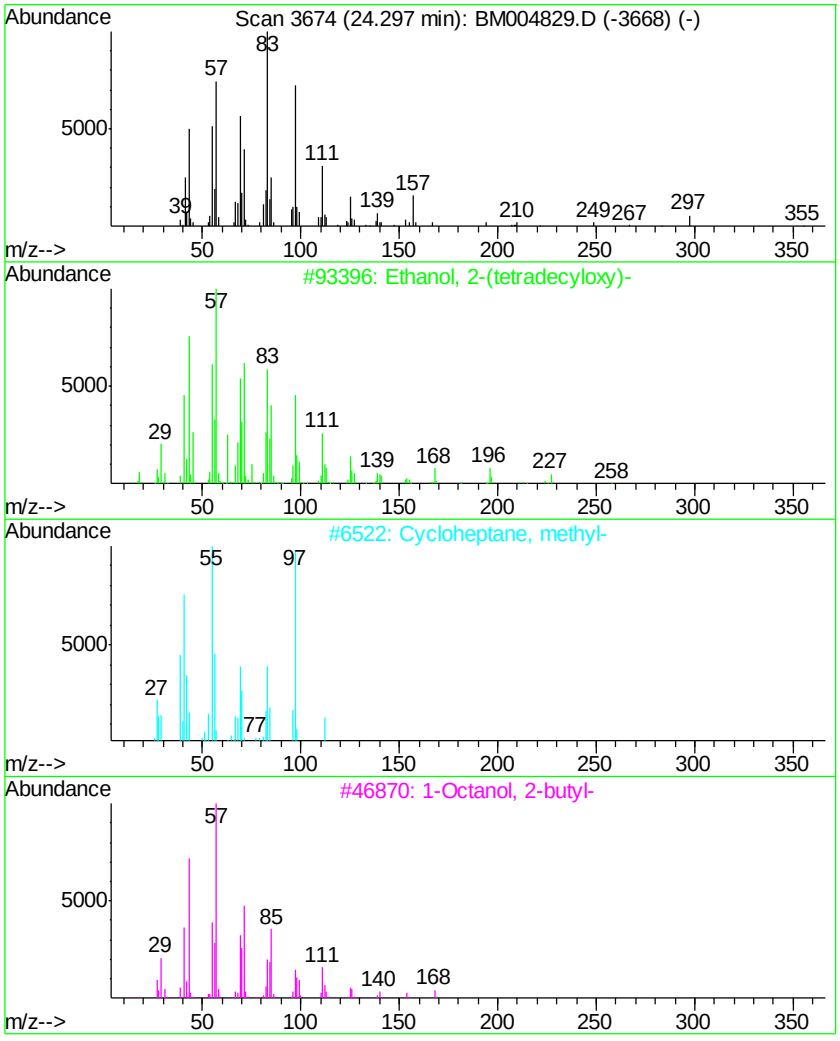
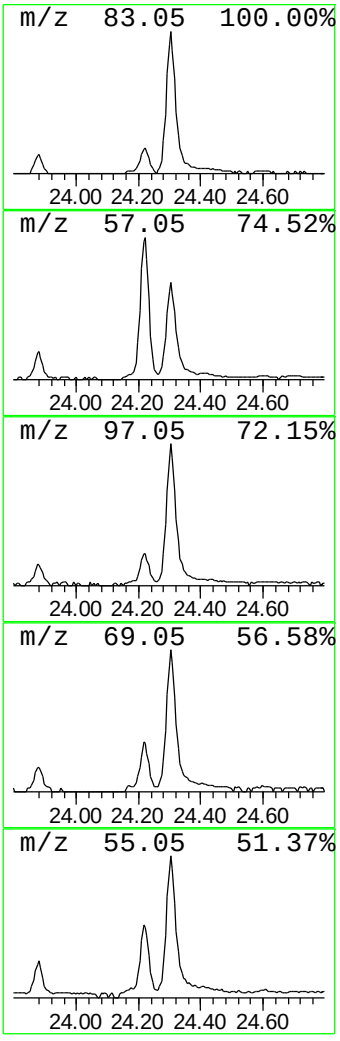
Peak Number 8 unknown-04 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.30	5.73 ng/ul	345771	Perylene-d12	23.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	41
2	Cycloheptane, methyl-	112	C8H16	004126-78-7	30
3	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	25
4	17-Pentatriacontene	491	C35H70	006971-40-0	25
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	25





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Data File : BM004829.D
Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

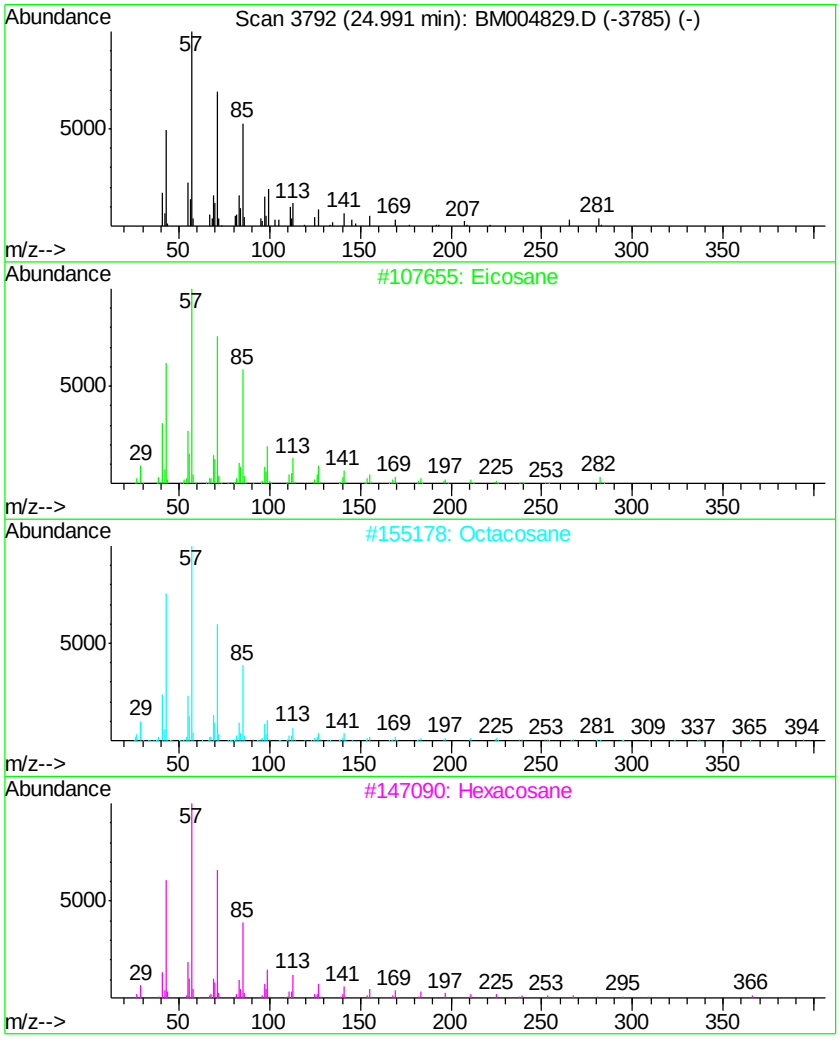
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

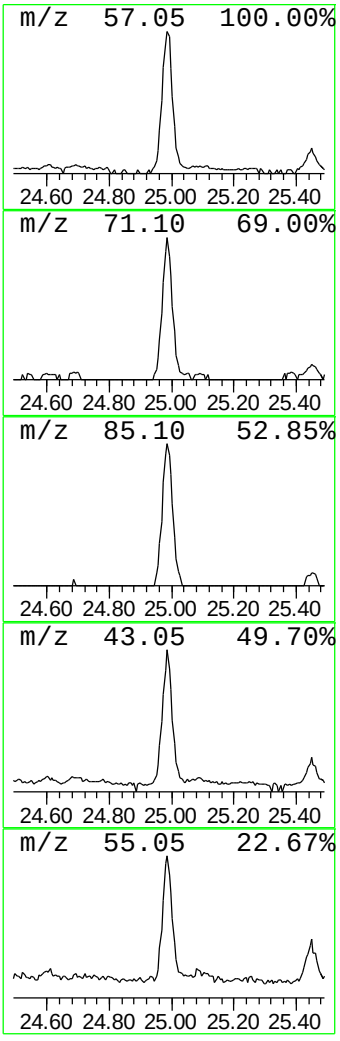
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.99	2.05 ng/ul	123755	Perylene-d12	23.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Octacosane	394	C28H58	000630-02-4	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Heneicosane	296	C21H44	000629-94-7	90
5	Tetratriacontane	479	C34H70	014167-59-0	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032916\
Data File : BM004829.D
Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

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

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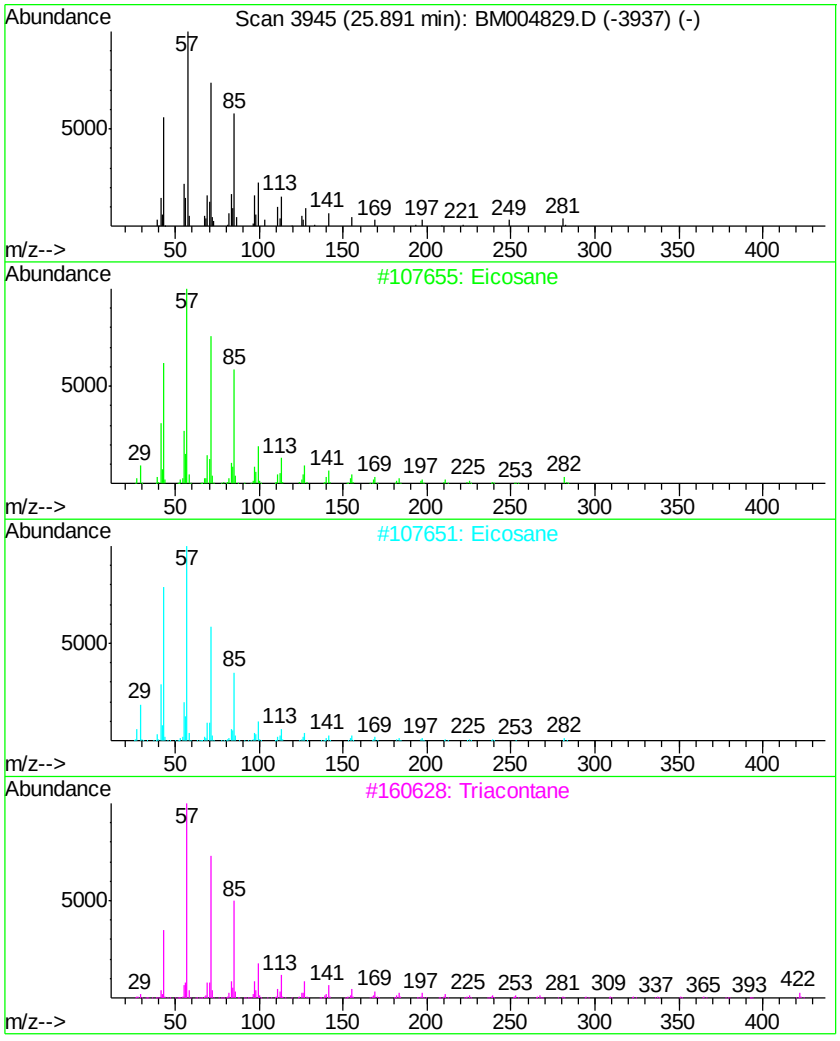
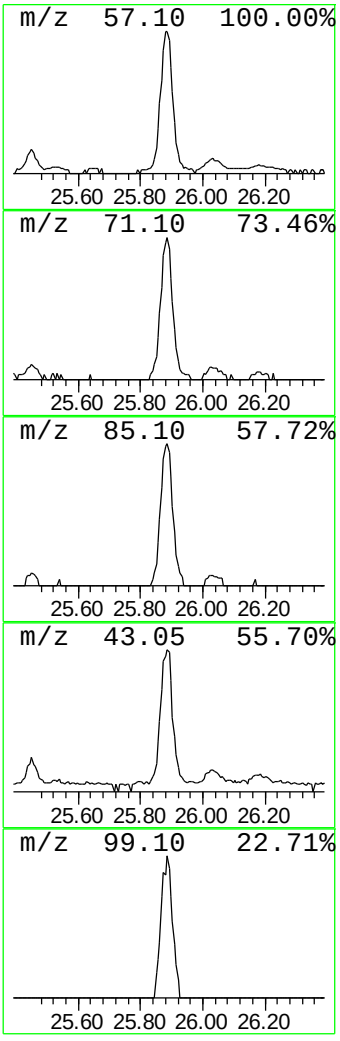
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.89	2.63 ng/ul	159059	Perylene-d12	23.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Eicosane	282	C20H42	000112-95-8	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Heneicosane	296	C21H44	000629-94-7	90
5	Tetratriacontane	479	C34H70	014167-59-0	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032916\
Data File : BM004829.D
Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

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

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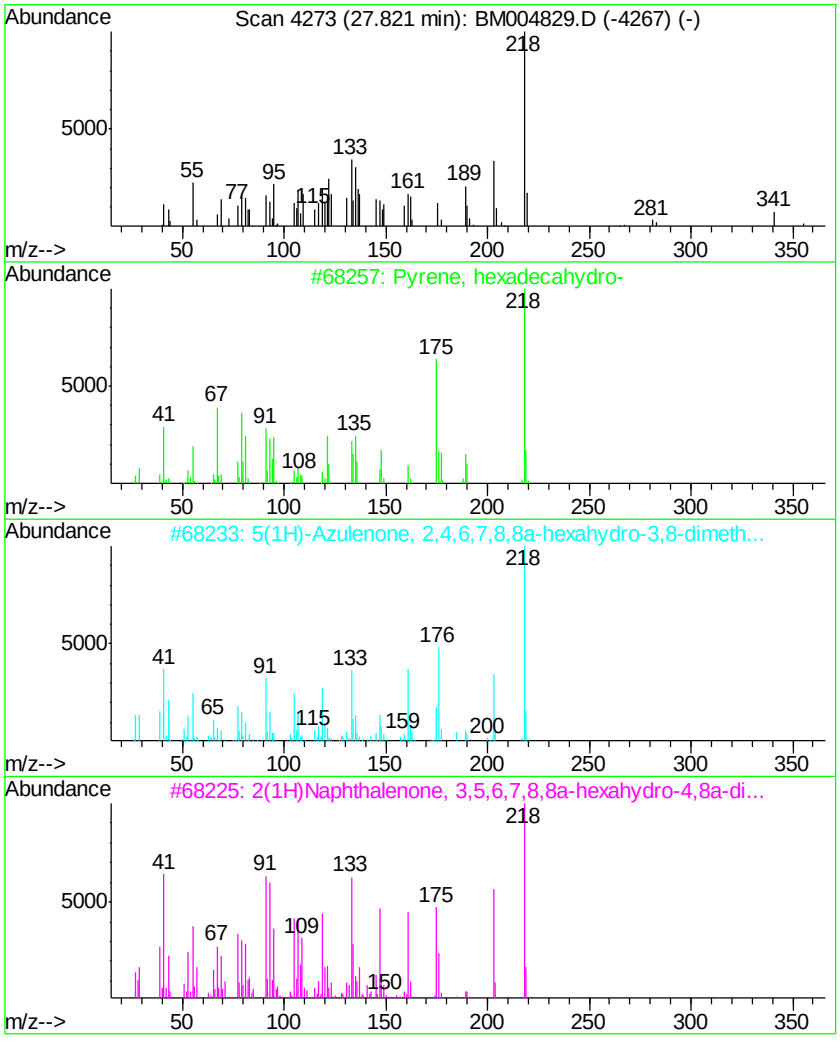
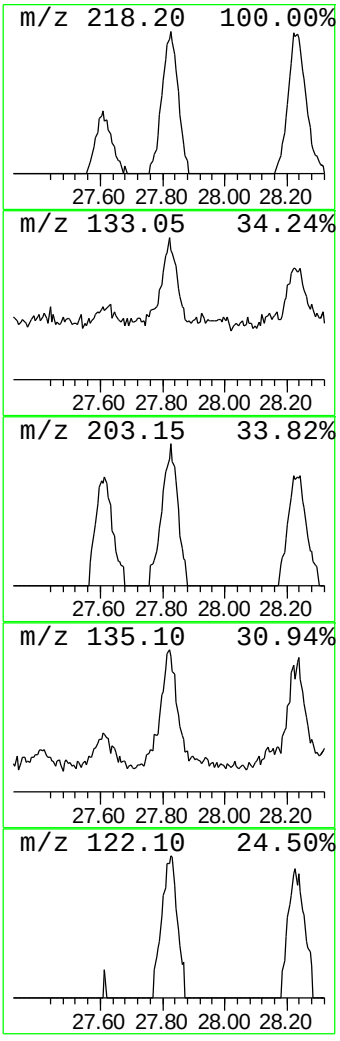
Peak Number 11 Pyrene, hexadecahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.82	3.03 ng/ul	182690	Perylene-d12	23.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, hexadecahydro-	218	C16H26	002435-85-0	58
2	5(1H)-Azulenone, 2,4,6,7,8,8a-he...	218	C15H22O	006754-66-1	49
3	2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	46
4	Pyrene, hexadecahydro-	218	C16H26	002435-85-0	46
5	3-Amino-5-piperonyl-1,2,4-triazole	218	C10H10N4O2	014730-92-8	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032916\
Data File : BM004829.D
Acq On : 29 Mar 2016 20:27
Operator : UM/SJ
Sample : H1939-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SG6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.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
1R-.alpha.-Pinene	6.52	7.6	ng/ul	113555	1	7.83	299834	20.0
unknown-01	19.51	5.3	ng/ul	349169	5	21.39	1330100	20.0
unknown-02	20.52	2.6	ng/ul	171649	5	21.39	1330100	20.0
Ferruginol	20.53	3.9	ng/ul	260060	5	21.39	1330100	20.0
unknown-03	21.10	4.9	ng/ul	324347	5	21.39	1330100	20.0
(DEL) Alkane: Str...	22.97	7.9	ng/ul	475942	6	23.69	1207310	20.0
(DEL) Alkane: Str...	24.22	3.6	ng/ul	216969	6	23.69	1207310	20.0
unknown-04	24.30	5.7	ng/ul	345771	6	23.69	1207310	20.0
(DEL) Alkane: Str...	24.99	2.0	ng/ul	123755	6	23.69	1207310	20.0
(DEL) Alkane: Str...	25.89	2.6	ng/ul	159059	6	23.69	1207310	20.0
Pyrene, hexadecah...	27.82	3.0	ng/ul	182690	6	23.69	1207310	20.0