LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021044.D
Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG022316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.061	33	38	55	rBV	308813	405324	100.00%	12.992%
2	3.202	58	62	67	rBV2	3972	6553	1.62%	0.210%
3	5.293	413	418	426	rBB	22526	33682	8.31%	1.080%
4	5.786	496	502	510	rBB	99540	151137	37.29%	4.844%
5	7.414	772	779	788	rBB	119821	200869	49.56%	6.438%
6	7.754	831	837	844	rBB	115322	190857	47.09%	6.118%
7	8.207	909	914	919	rBB	15665	24851	6.13%	0.797%
8	8.536	963	970	976	rBB	84280	143475	35.40%	4.599%
9	9.393	1108	1116	1123	rBB	77104	133632	32.97%	4.283%
10	11.026	1387	1394	1401	rBB	30136	49462	12.20%	1.585%
11	13.447	1799	1806	1813	rBB	240617	351605	86.75%	11.270%
12	14.275	1941	1947	1952	rBB	29332	40875	10.08%	1.310%
13	14.815	2034	2039	2045	rBB2	44920	68252	16.84%	2.188%
14	15.608	2171	2174	2178	rVB	4230	4782	1.18%	0.153%
15	16.308	2287	2293	2299	rBB3	164526	234442	57.84%	7.515%
16	16.466	2316	2320	2329	rBB2	4646	7989	1.97%	0.256%
17	17.553	2500	2505	2509	rBV	44075	66201	16.33%	2.122%
18	17.594	2509	2512	2518	rVB	54306	77572	19.14%	2.486%
19	17.688	2519	2528	2533	rBB	16561	22715	5.60%	0.728%
20	18.416	2646	2652	2657	rBV4	6974	12749	3.15%	0.409%
21	18.469	2657	2661	2666	rVB	6920	9276	2.29%	0.297%
22	18.616	2681	2686	2689	rBV3	4325	8602	2.12%	0.276%
23	18.651	2690	2692	2697	rVB	3532	4210	1.04%	0.135%
24	18.910	2732	2736	2740	rBV	5049	6900	1.70%	0.221%
25	18.963	2740	2745	2748	rVB2	3021	4156	1.03%	0.133%
26	19.468	2827	2831	2835	rVB3	6755	8745	2.16%	0.280%
27	19.591	2846	2852	2858	rVB	88458	122898	30.32%	3.939%
28	19.832	2889	2893	2900	rVB3	2717	4772	1.18%	0.153%
29	19.909	2902	2906	2909	rBV2	10663	16328	4.03%	0.523%
30	19.950	2909	2913	2919	rVB	72988	96163	23.72%	3.082%
31	20.138	2939	2945	2950	rBV	238627	301983	74.50%	9.679%
32	20.196	2950	2955	2960	rVV	16508	22865	5.64%	0.733%
33	20.261	2961	2966	2974	rBV4	2621	6282	1.55%	0.201%
34	20.801	3052	3058	3060	rBV5	4843	7806	1.93%	0.250%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021044.D
Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG022316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	21.201	3122	3126	3132	rVB	5938	8300	2.05%	0.266%
36	21.389	3152	3158	3161	rVB5	3554	5770	1.42%	0.185%
37	21.436	3161	3166	3169	rBV3	3468	5160	1.27%	0.165%
38	21.483	3169	3174	3180	rVB3	4308	7182	1.77%	0.230%
39	21.547	3180	3185	3188	rBV3	4092	5746	1.42%	0.184%
40	21.818	3222	3231	3236	rBV2	35703	91343	22.54%	2.928%
41	21.865	3236	3239	3246	rVB	20533	33049	8.15%	1.059%
42	22.570	3355	3359	3363	rVB5	2945	4205	1.04%	0.135%
43	24.079	3608	3616	3624	rBV3	11326	38685	9.54%	1.240%
44	24.820	3736	3742	3748	rBV2	5134	12519	3.09%	0.401%
45	24.972	3762	3768	3774	rBV4	7984	18811	4.64%	0.603%
46	25.137	3788	3796	3804	rVB3	14480	36618	9.03%	1.174%
47	28.896	4431	4436	4438	rBV5	2823	4448	1.10%	0.143%

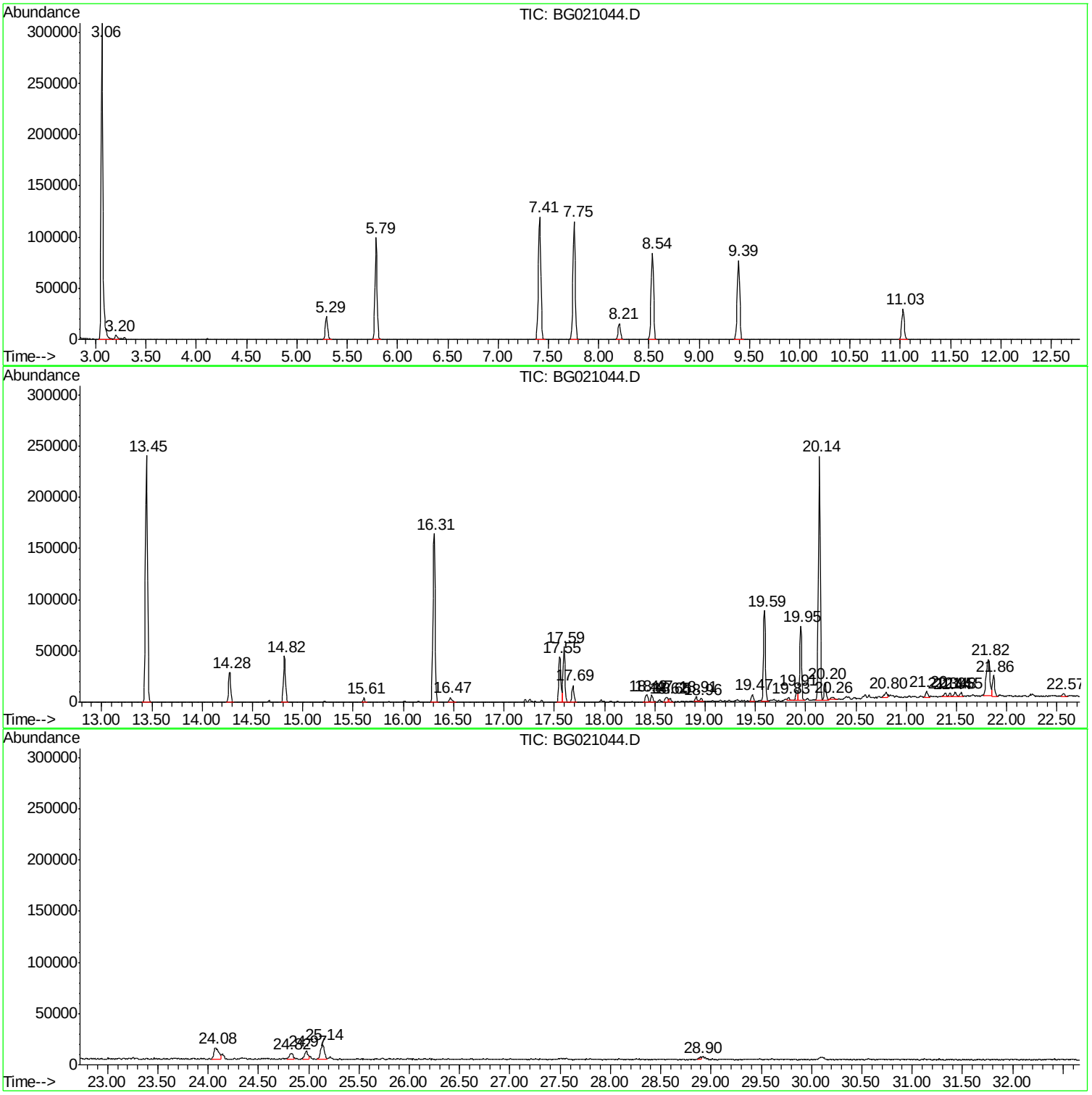
Sum of corrected areas: 3119846

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021044.D
Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021044.D
Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

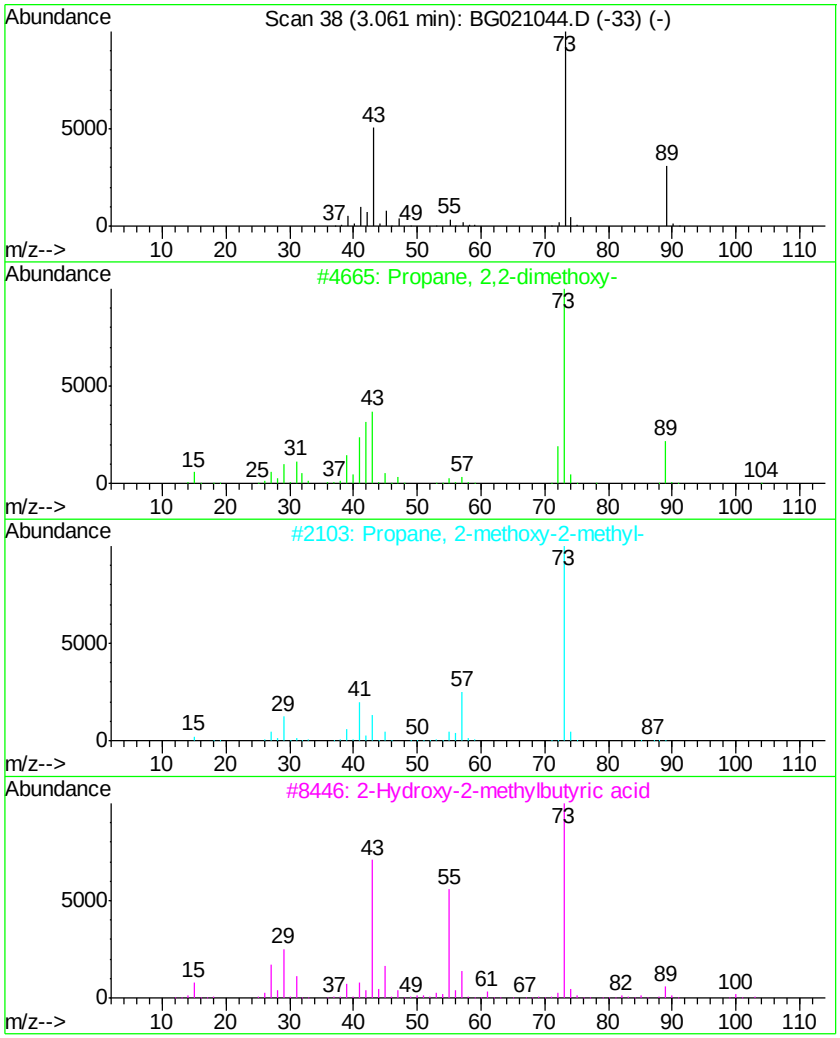
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

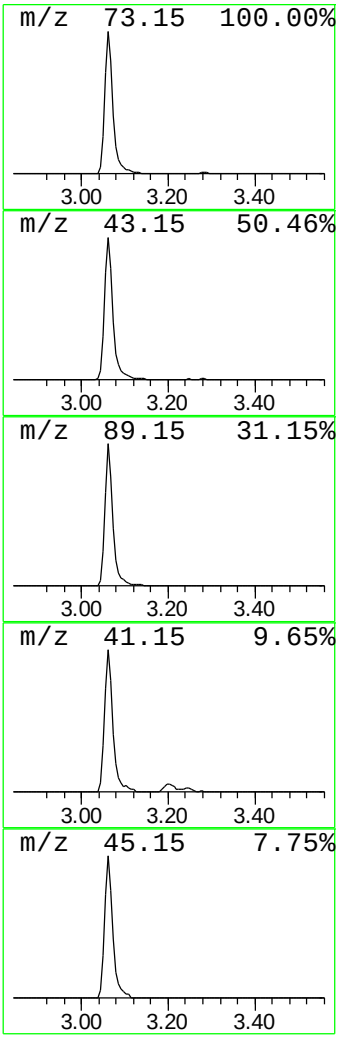
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.06	326.20 ng	405324	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56
2	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
3	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
4	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	7
5	N-Ethylformamide	73	C3H7NO	000627-45-2	5





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021044.D
Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

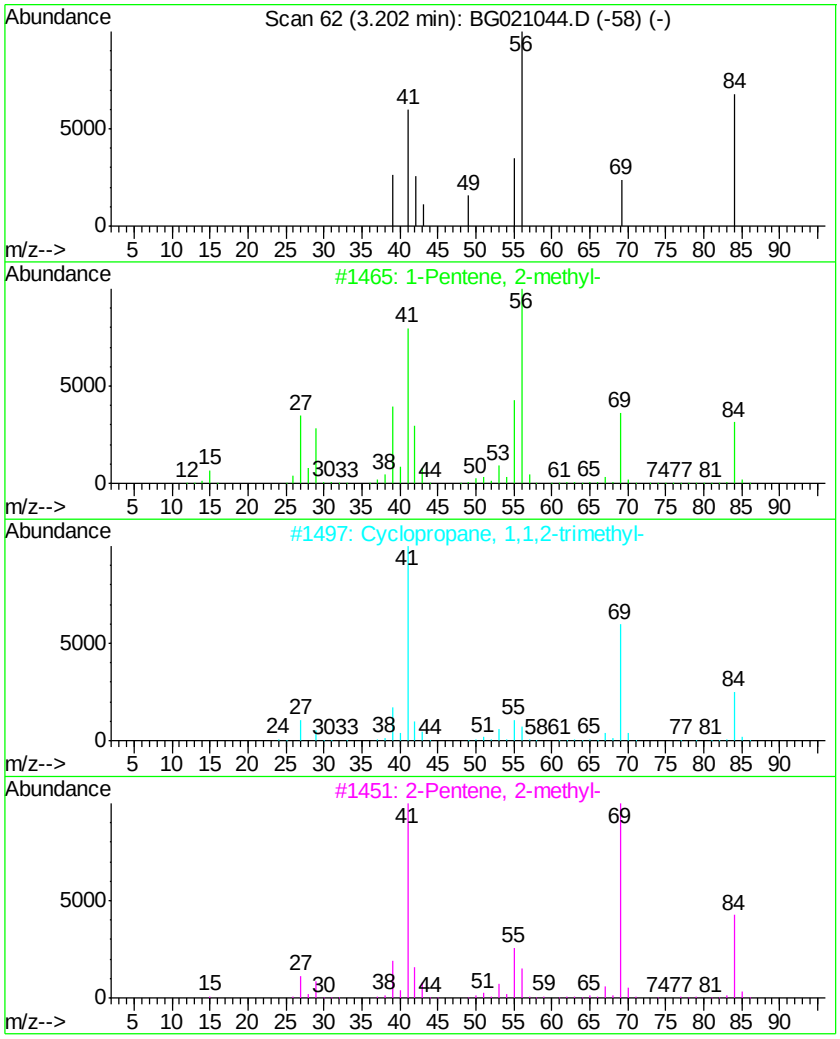
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

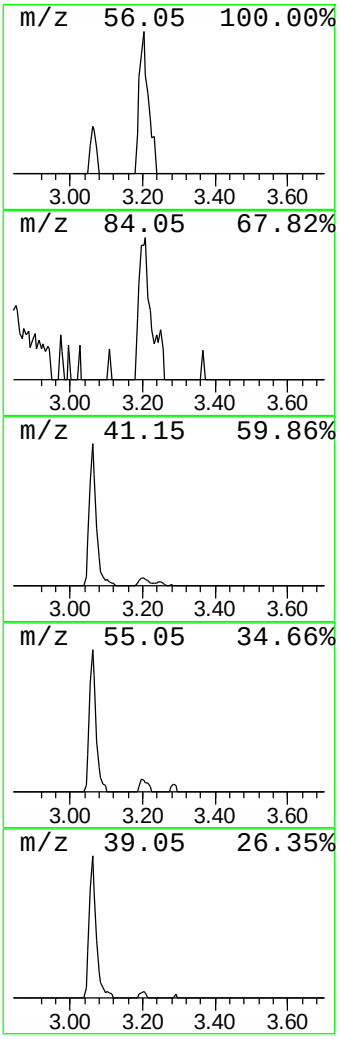
****

Peak Number 2 1-Pentene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	5.27 ng	6553	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	56
2	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	9
3	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	7
4	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	5
5	1-Propene, 3-(ethenyloxy)-	84	C5H8O	003917-15-5	5





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021044.D
Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

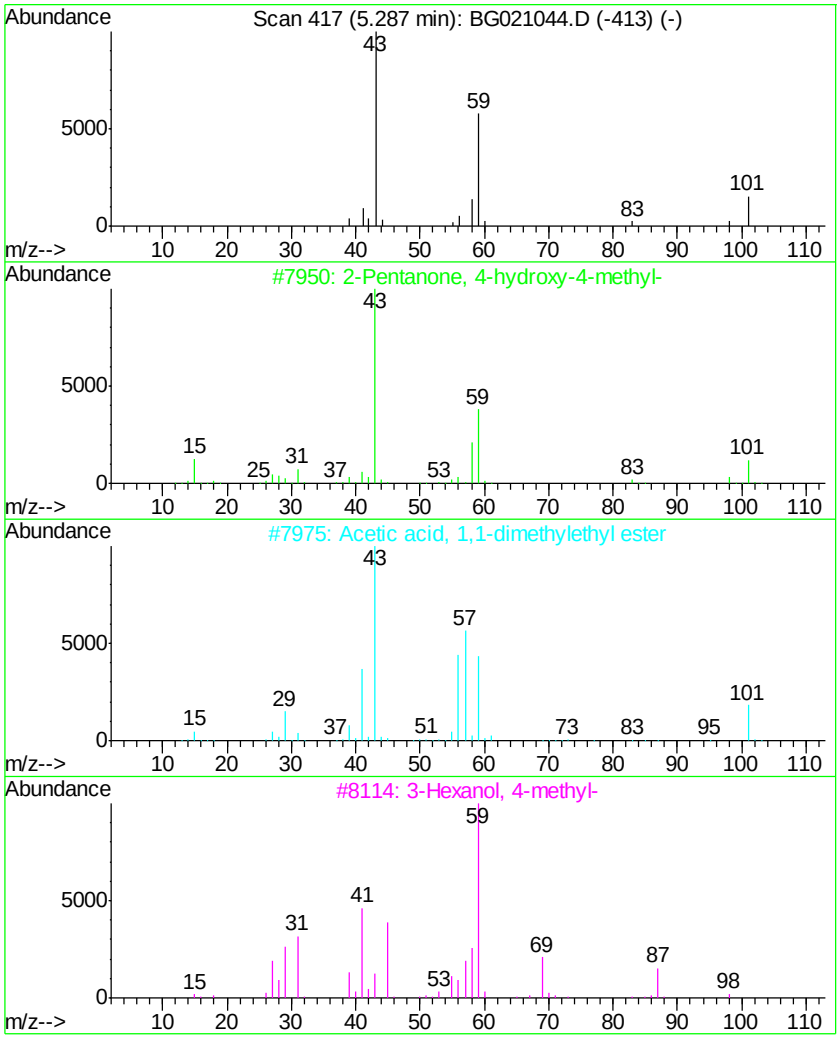
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

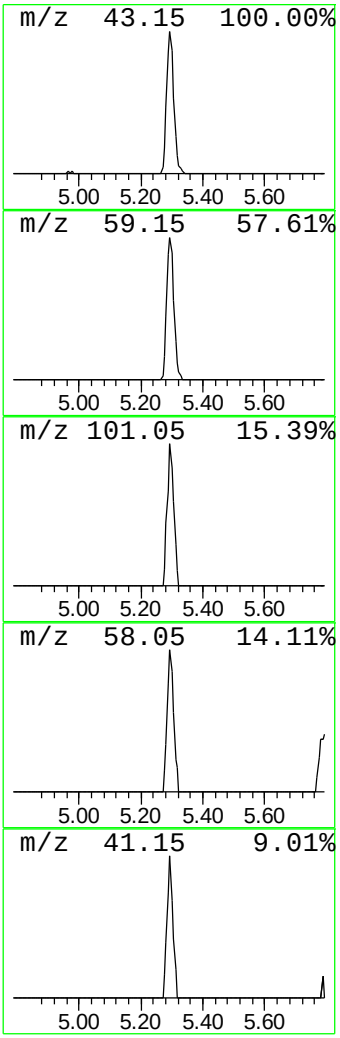
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	27.11 ng	33682	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	40
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021044.D
Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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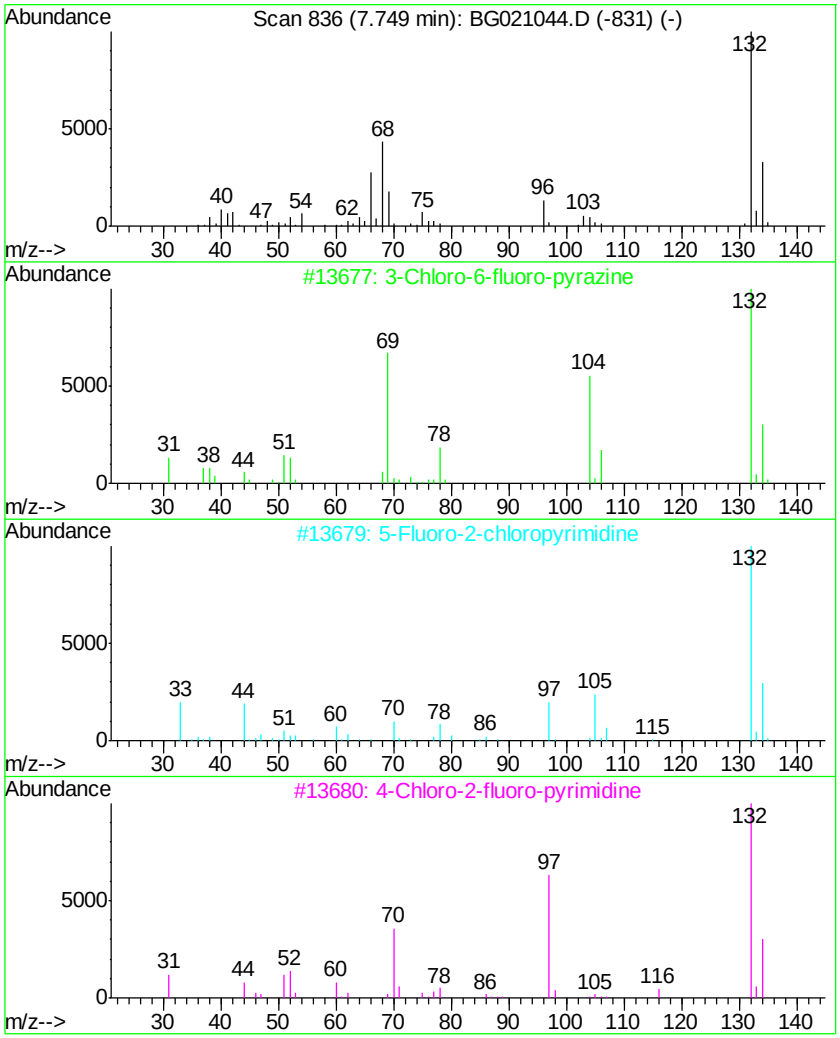
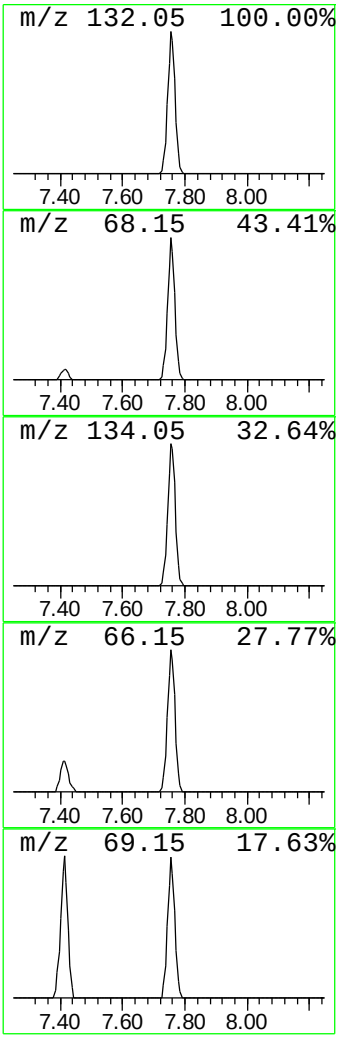
Peak Number 4 unknown7.75 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	153.60 ng	190857	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021044.D
Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

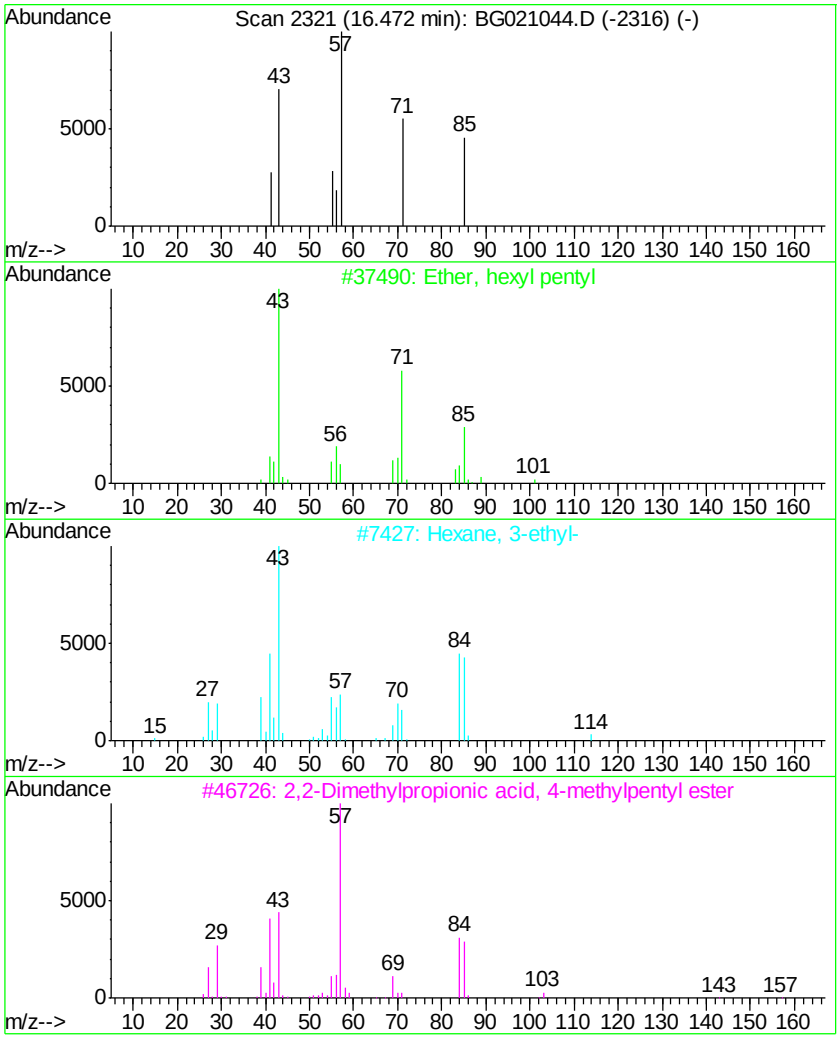
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

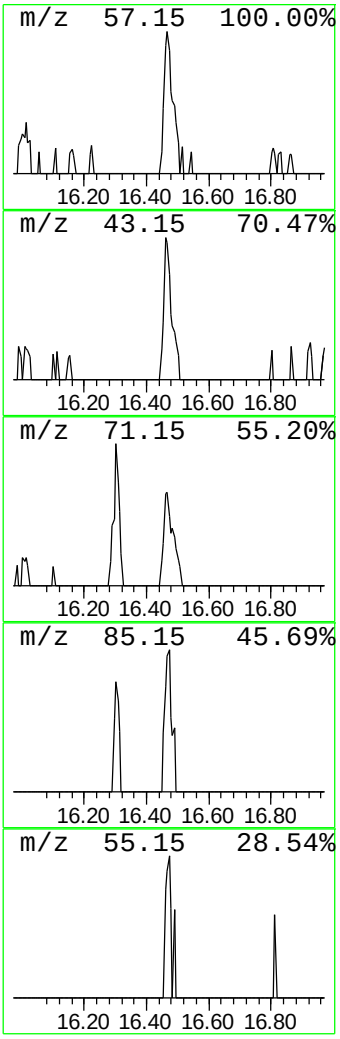
****

Peak Number 6 unknown16.47 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	2.41 ng	7989	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether, hexyl pentyl	172	C11H24O	032357-83-8	40
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	38
3	2,2-Dimethylpropionic acid, 4-me...	186	C11H22O2	150588-62-8	28
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	28
5	Butane, 2-bromo-2-methyl-	150	C5H11Br	000507-36-8	23





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021044.D
Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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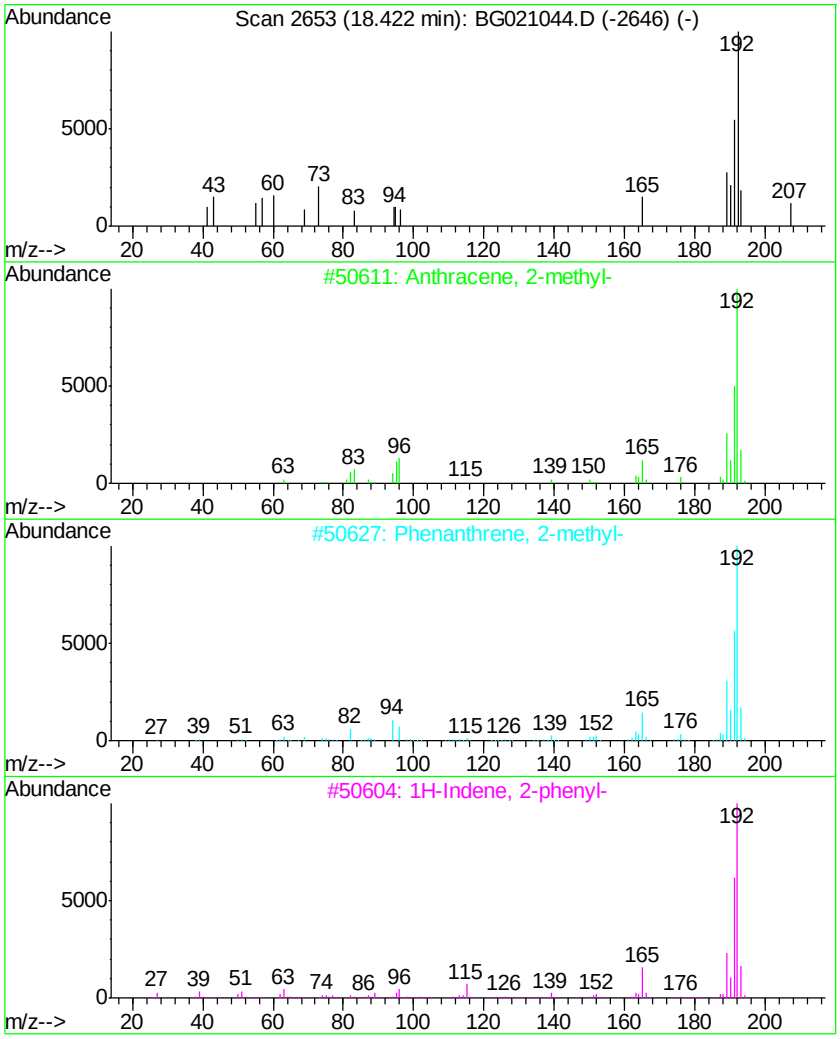
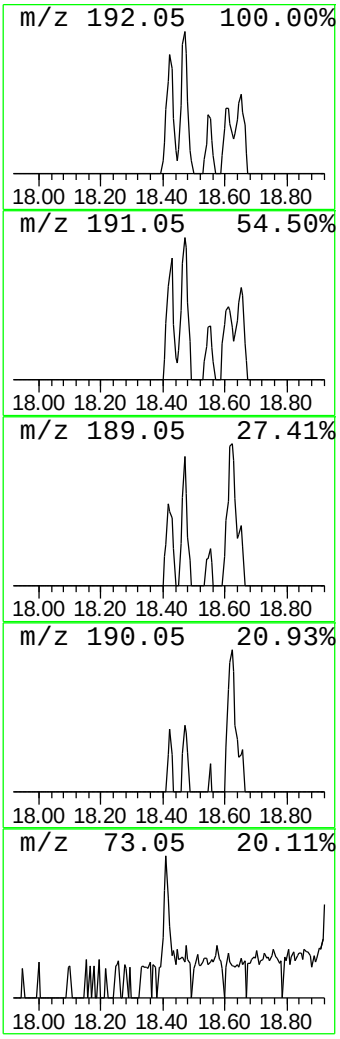
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	3.85 ng	12749	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	53
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	52
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	52
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	52
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	52





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
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Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

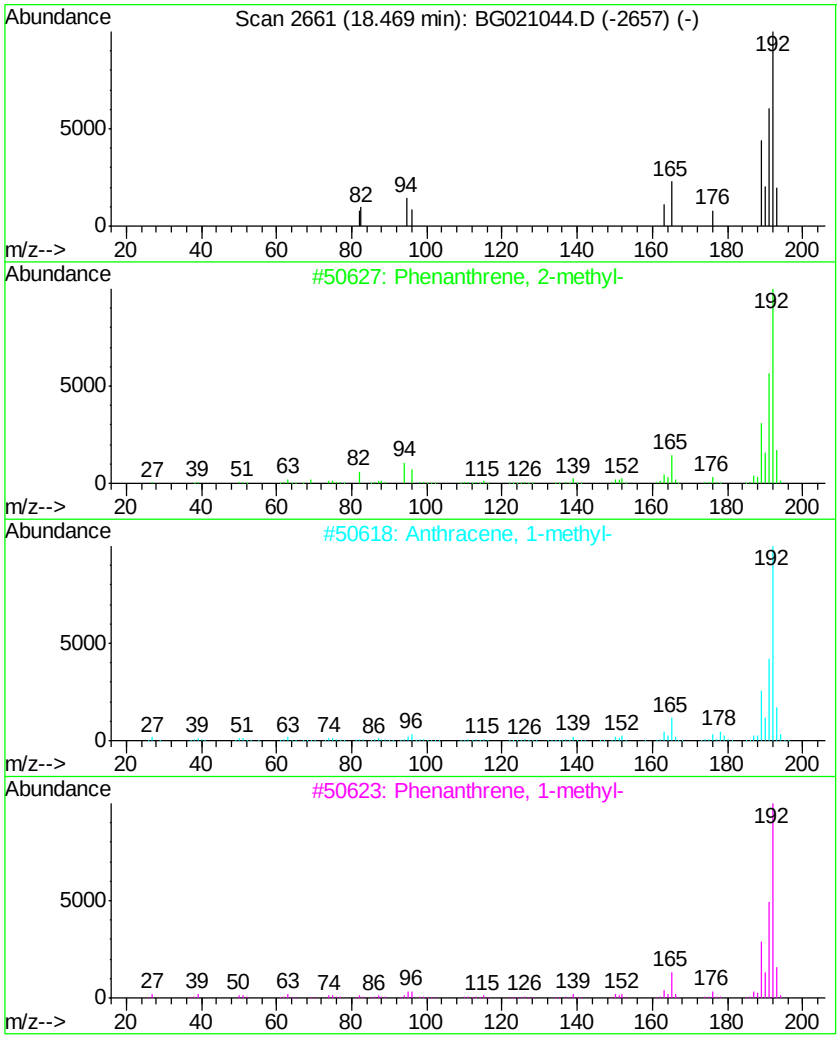
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

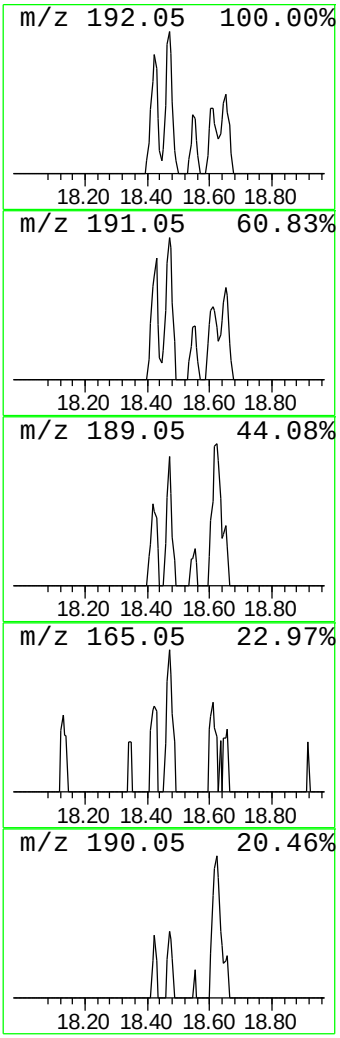
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	2.80 ng	9276	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	74
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	64
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021044.D
Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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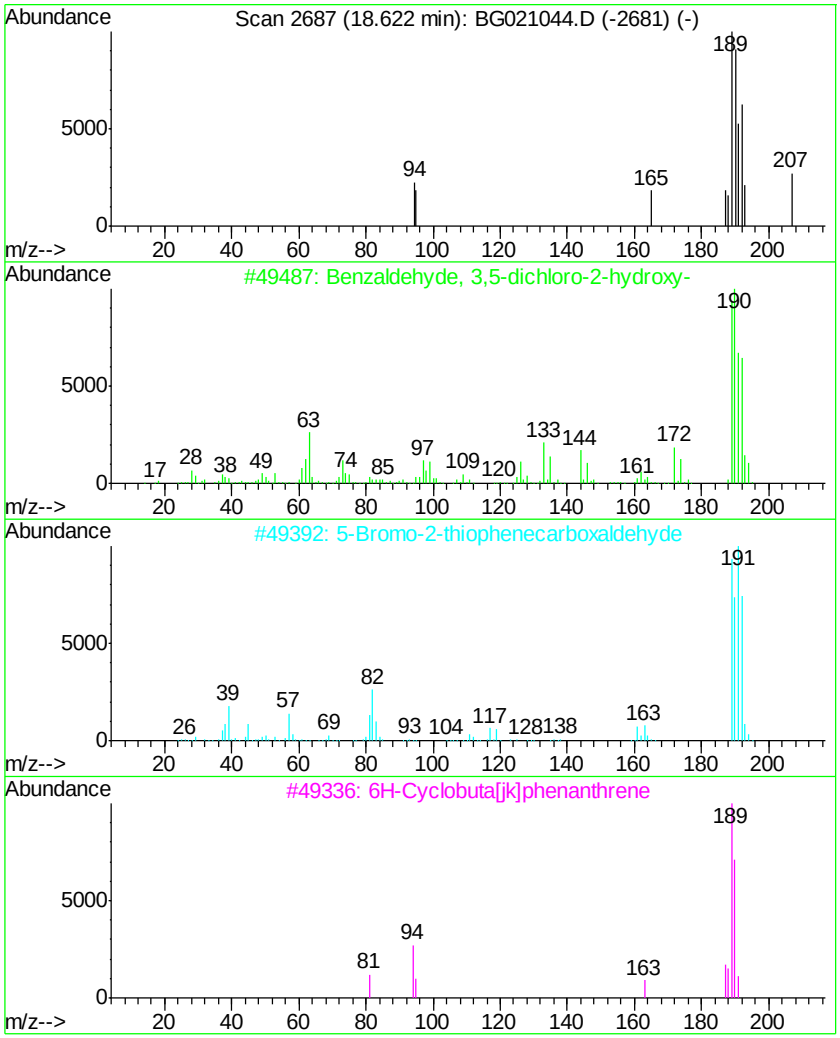
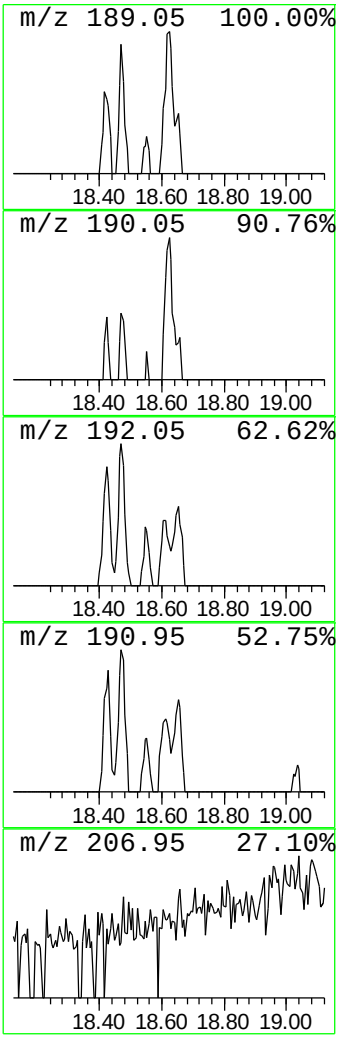
Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.60 ng	8602	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	78
2	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	38
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	38
4	Isoquinoline, 1-chloro-3-ethyl-	191	C11H10ClN	055150-52-2	32
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	16





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Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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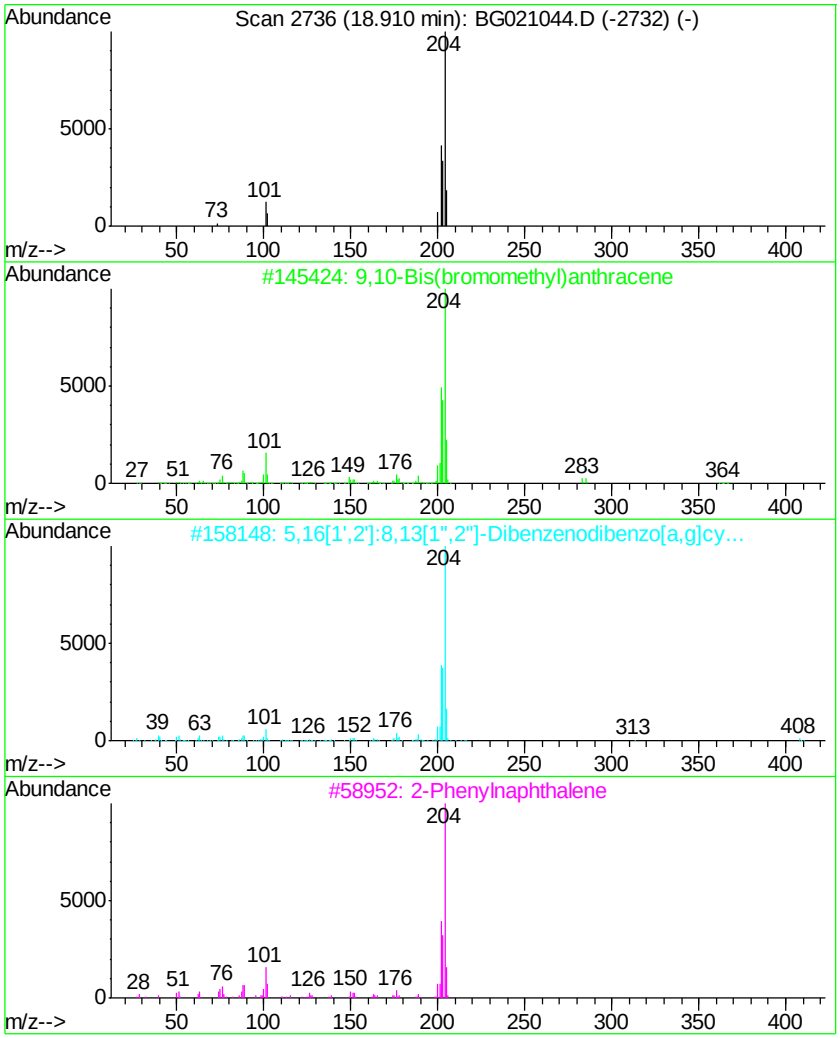
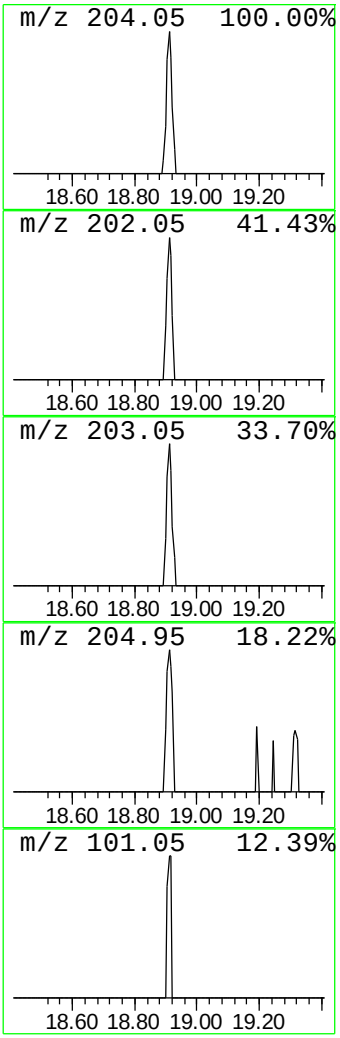
Peak Number 10 9,10-Bis(bromomethyl)anthra... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	2.08 ng	6900	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	59
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	59
5	Propanedinitrile, 2,2'-(2,5-cycl...	204	C12H4N4	001518-16-7	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021044.D
Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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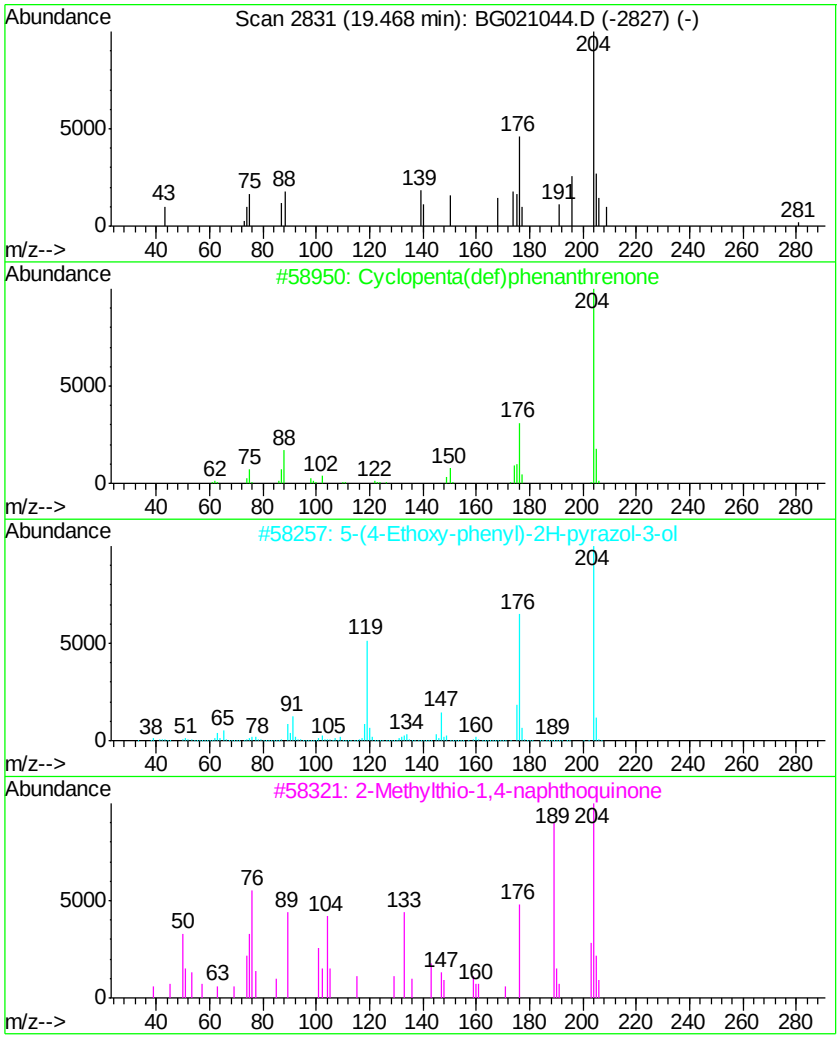
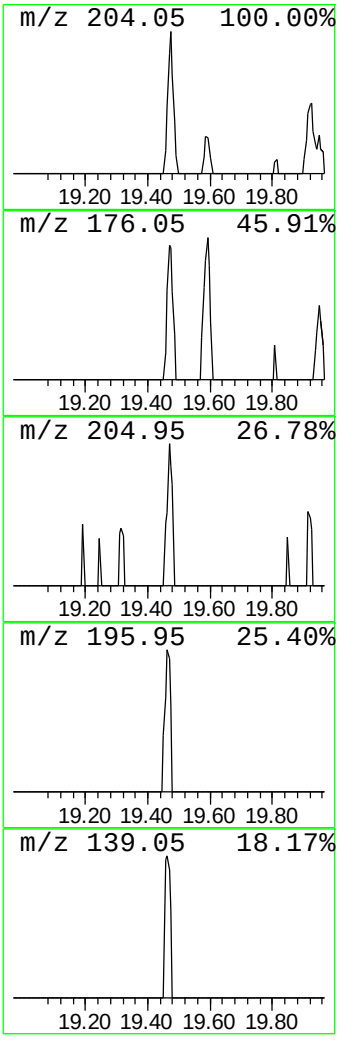
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	2.64 ng	8745	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	40
3	2-Methylthio-1,4-naphthoquinone	204	C11H8O2S	026037-60-5	35
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	25
5	.beta.-D-Mannopyranoside, methyl...	482	C19H46O6Si4	003504-69-6	23





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021044.D
Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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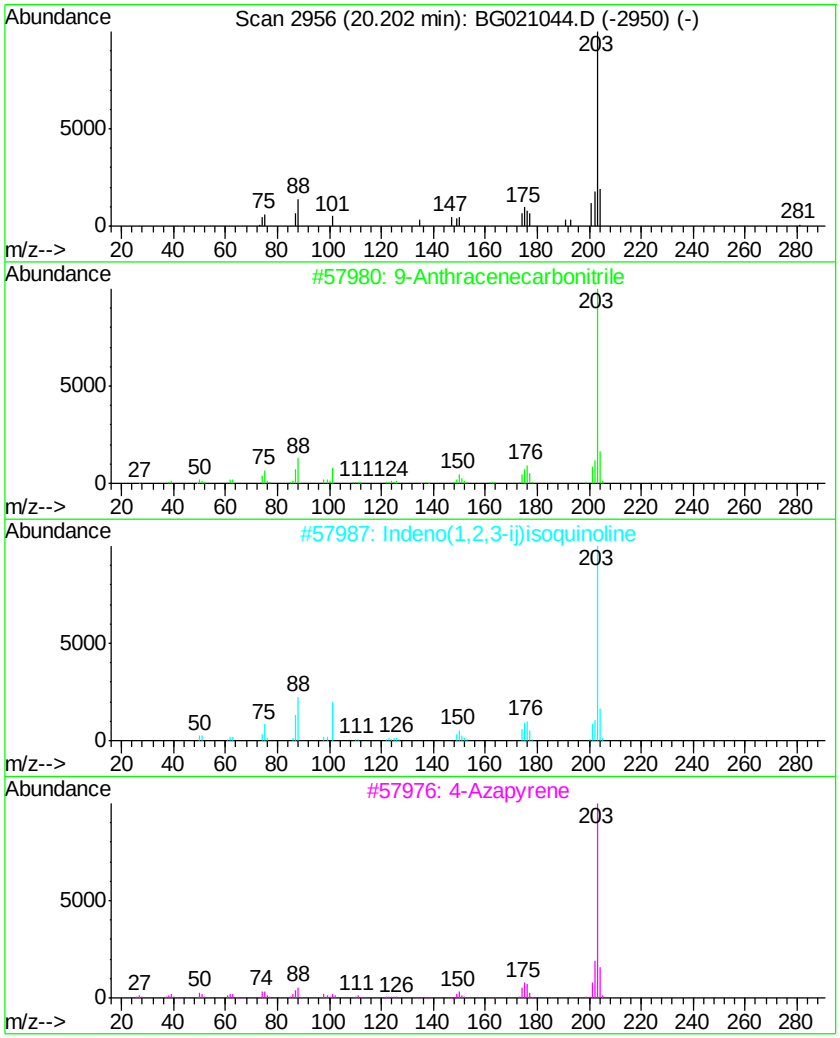
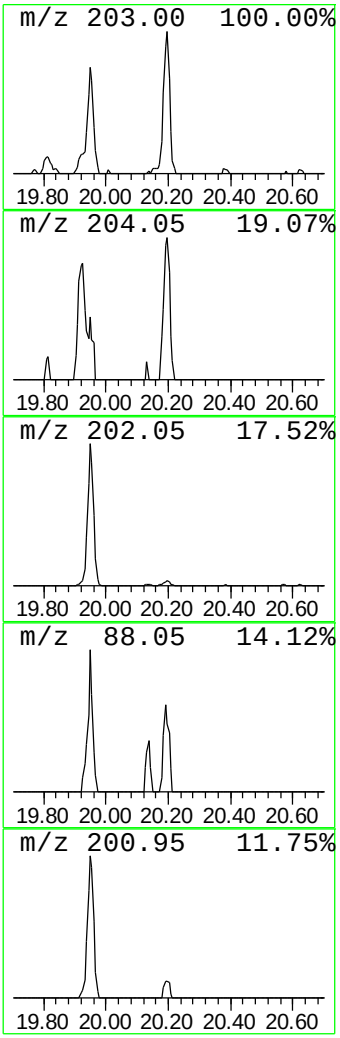
Peak Number 12 9-Anthracenecarbonitrile Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	5.01 ng	22865	Chrysene-d12	21.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	95
2	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	95
3	4-Azapyrene	203	C15H9N	000194-03-6	94
4	Acenaphtho(1,2-B)pyridine	203	C15H9N	000206-49-5	94
5	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021044.D
Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
Propane, 2,2-dime...	3.06	326.2	ng	405324	1	8.21	24851	20.0
1-Pentene, 2-methyl-	3.20	5.3	ng	6553	1	8.21	24851	20.0
2-Pentanone, 4-hy...	5.29	27.1	ng	33682	1	8.21	24851	20.0
unknown7.75	7.75	153.6	ng	190857	1	8.21	24851	20.0
unknown16.47	16.47	2.4	ng	7989	4	17.55	66201	20.0
Anthracene, 2-met...	18.42	3.9	ng	12749	4	17.55	66201	20.0
Phenanthrene, 2-m...	18.47	2.8	ng	9276	4	17.55	66201	20.0
Benzaldehyde, 3,5...	18.62	2.6	ng	8602	4	17.55	66201	20.0
9,10-Bis(bromomet...	18.91	2.1	ng	6900	4	17.55	66201	20.0
Cyclopenta(def)ph...	19.47	2.6	ng	8745	4	17.55	66201	20.0
9-Anthracenecarbo...	20.20	5.0	ng	22865	5	21.82	91343	20.0