LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021068.D
Acq On : 25 Feb 2016 1:51
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-5(0-2)

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	3.055	32	37	53	rBV	196244	286593	100.00%	12.716%
2	3.196	56	61	68	rVV3	4426	8440	2.94%	0.374%
3	5.281	411	416	425	rBV	24160	39091	13.64%	1.735%
4	5.780	495	501	511	rBB	96022	158840	55.42%	7.048%
5	7.408	771	778	787	rBV	109710	191049	66.66%	8.477%
6	7.754	830	837	845	rBB	114613	192382	67.13%	8.536%
7	8.207	909	914	920	rBB	20848	32823	11.45%	1.456%
8	8.535	963	970	977	rBB	86059	141101	49.23%	6.261%
9	9.393	1108	1116	1123	rBB	73066	128022	44.67%	5.680%
10	9.511	1133	1136	1141	rBB2	2298	3100	1.08%	0.138%
11	11.026	1388	1394	1401	rBB	32039	55207	19.26%	2.450%
12	13.446	1800	1806	1813	rBB	160368	233853	81.60%	10.376%
13	13.599	1828	1832	1837	rBB2	4226	6045	2.11%	0.268%
14	14.269	1937	1946	1956	rBB	24277	39906	13.92%	1.771%
15	14.662	2009	2013	2021	rVB2	9441	13694	4.78%	0.608%
16	14.821	2035	2040	2047	rVB2	38046	61476	21.45%	2.728%
17	15.215	2104	2107	2111	rVB2	1924	3012	1.05%	0.134%
18	15.279	2113	2118	2126	rBB2	3036	5719	2.00%	0.254%
19	15.614	2170	2175	2179	rVB	11924	16283	5.68%	0.722%
20	16.014	2233	2243	2247	rBV3	4557	10272	3.58%	0.456%
21	16.108	2255	2259	2265	rVB	1933	3174	1.11%	0.141%
22	16.160	2265	2268	2273	rBV2	1922	3559	1.24%	0.158%
23	16.237	2276	2281	2284	rBV2	2029	3057	1.07%	0.136%
24	16.307	2287	2293	2299	rBV	112810	162682	56.76%	7.218%
25	16.472	2315	2321	2329	rBV2	11779	22256	7.77%	0.988%
26	16.536	2329	2332	2336	rVB2	2299	3151	1.10%	0.140%
27	16.630	2343	2348	2352	rBV	5397	6788	2.37%	0.301%
28	16.689	2354	2358	2363	rVB4	4356	7731	2.70%	0.343%
29	16.748	2363	2368	2373	rBV4	6110	7572	2.64%	0.336%
30	16.801	2373	2377	2381	rBV4	2956	4484	1.56%	0.199%
31	16.959	2396	2404	2409	rBV5	3330	7411	2.59%	0.329%
32	17.012	2409	2413	2417	rBV	5451	7603	2.65%	0.337%
33	17.089	2423	2426	2431	rVB4	2798	3852	1.34%	0.171%
34	17.259	2451	2455	2459	rBV	7972	8267	2.88%	0.367%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021068.D
Acq On : 25 Feb 2016 1:51
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-5(0-2)

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	17.312	2459	2464	2468	rVB2	2808	4198	1.46%	0.186%
36	17.559	2501	2506	2512	rBV2	37057	55073	19.22%	2.444%
37	17.999	2576	2581	2585	rVB	4818	6511	2.27%	0.289%
38	18.416	2647	2652	2658	rVB3	2913	5525	1.93%	0.245%
39	18.681	2693	2697	2701	rBV3	3667	4581	1.60%	0.203%
40	19.303	2799	2803	2806	rBV2	2741	3563	1.24%	0.158%
41	19.597	2848	2853	2856	rBV2	3489	4873	1.70%	0.216%
42	19.873	2894	2900	2902	rBV5	2885	4375	1.53%	0.194%
43	19.967	2911	2916	2920	rBV3	7091	9208	3.21%	0.409%
44	20.143	2938	2946	2950	rBV	149147	188589	65.80%	8.368%
45	20.402	2984	2990	2993	rBV7	3979	8312	2.90%	0.369%
46	20.895	3072	3074	3078	rVB4	4215	4969	1.73%	0.220%
47	21.412	3158	3162	3166	rBV5	9983	14891	5.20%	0.661%
48	21.835	3229	3234	3241	rVB	26116	43626	15.22%	1.936%
49	22.405	3329	3331	3334	rBV4	2868	4176	1.46%	0.185%
50	23.268	3476	3478	3479	rBV2	4034	3435	1.20%	0.152%
51	24.091	3616	3618	3624	rVB6	6479	9318	3.25%	0.413%

Sum of corrected areas: 2253718

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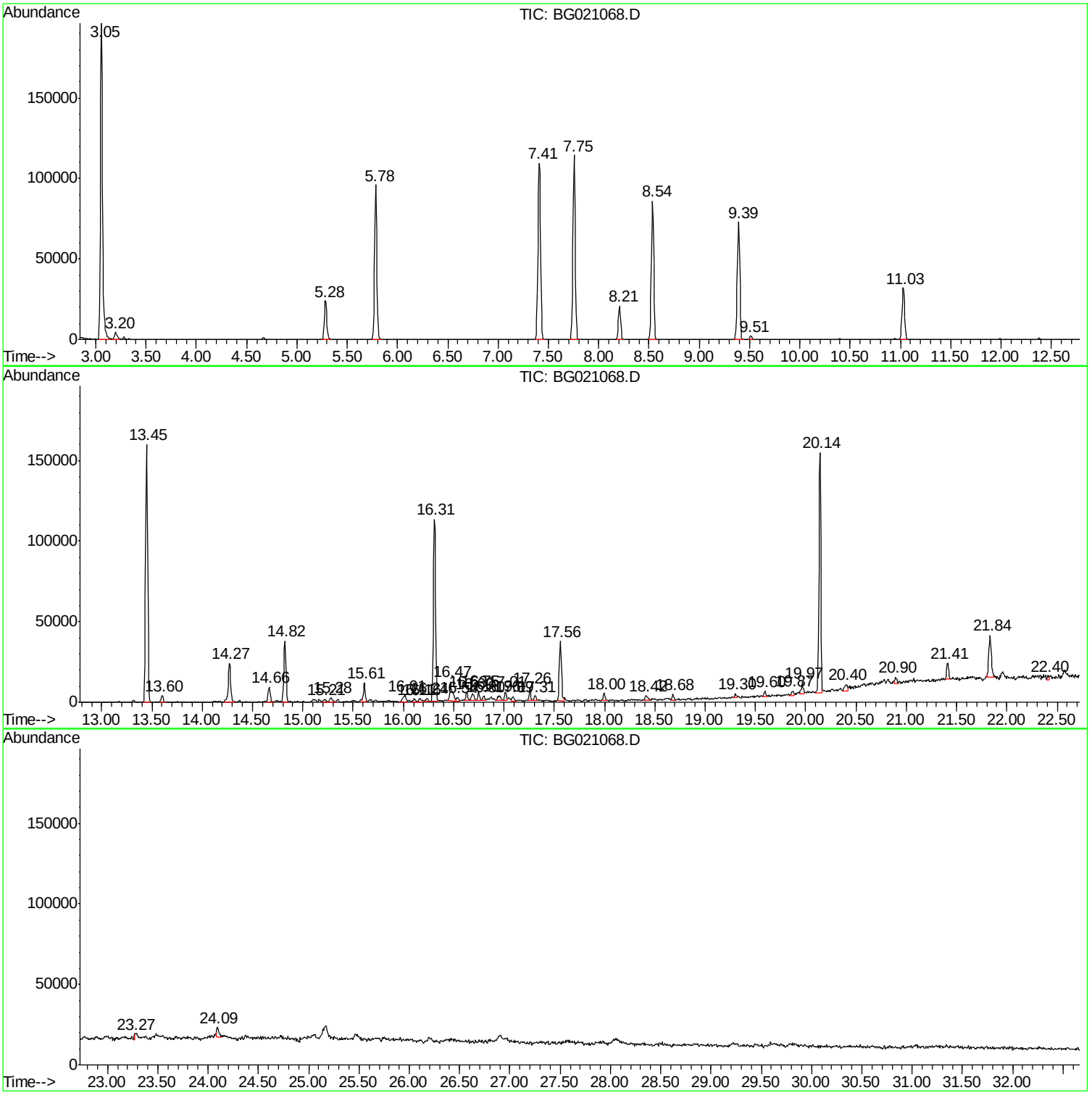
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-5(0-2)

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021068.D
Acq On : 25 Feb 2016 1:51
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-5(0-2)

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

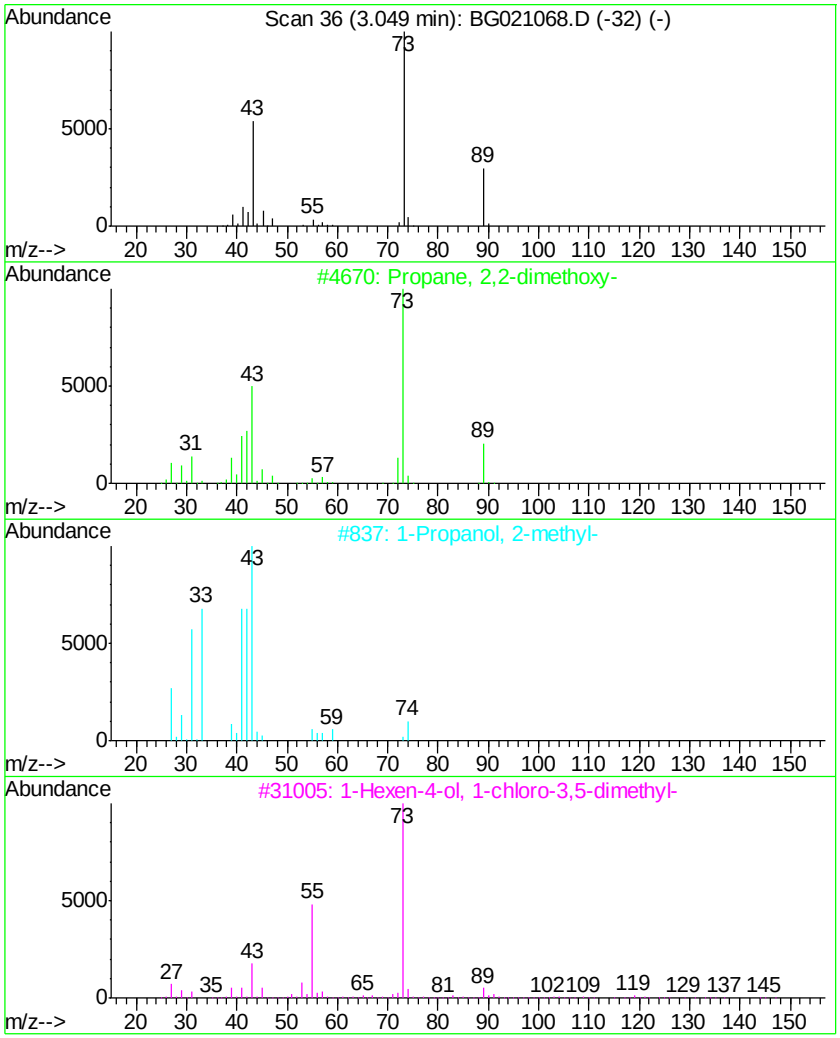
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

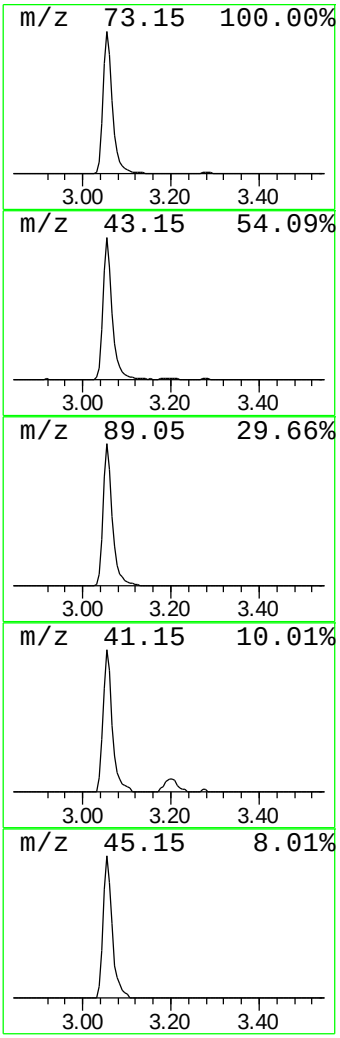
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	174.63 ng	286593	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	64
2	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
3	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
4	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021068.D
Acq On : 25 Feb 2016 1:51
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-5(0-2)

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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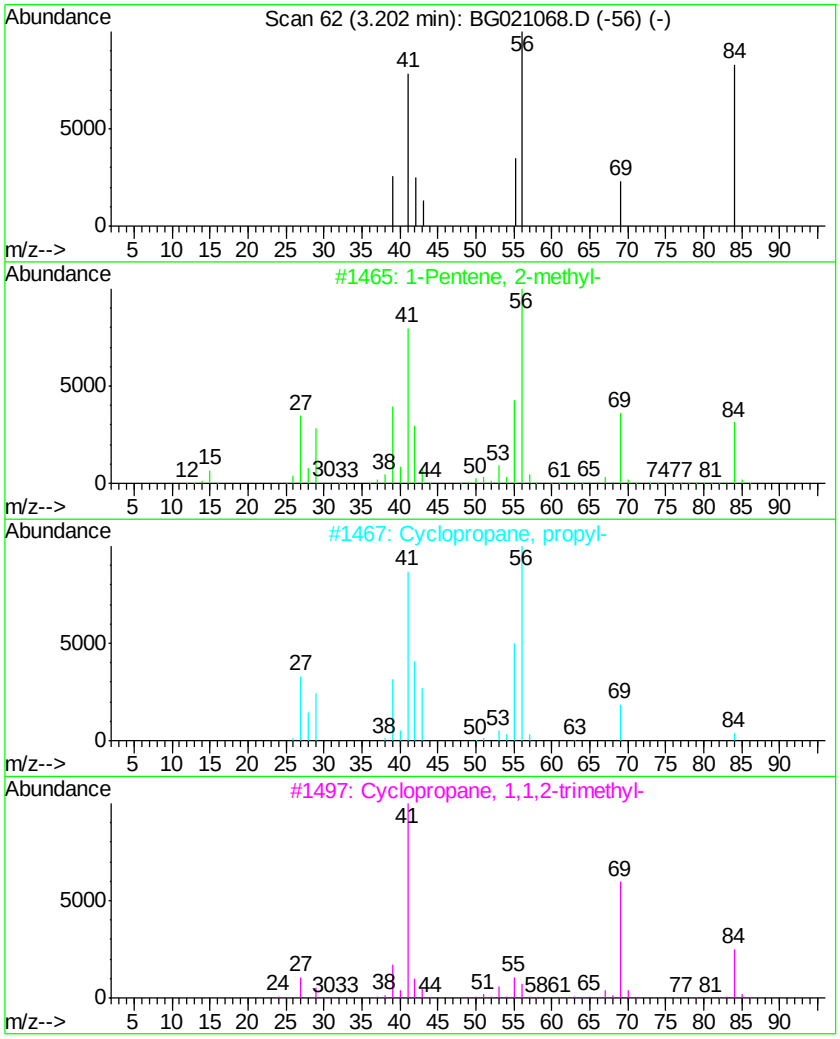
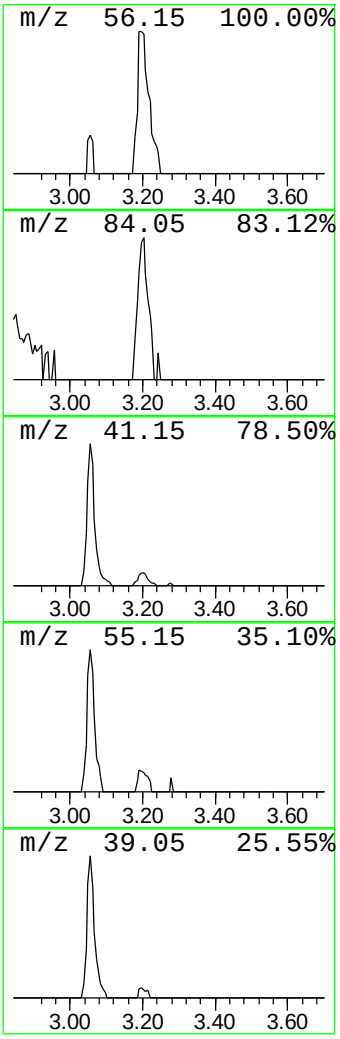
Peak Number 2 1-Pentene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	5.14 ng	8440	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	53
2	Cyclopropane, propyl-	84	C6H12	002415-72-7	33
3	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	9
4	Formic acid, hexyl ester	130	C7H14O2	000629-33-4	9
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021068.D
Acq On : 25 Feb 2016 1:51
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-5(0-2)

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

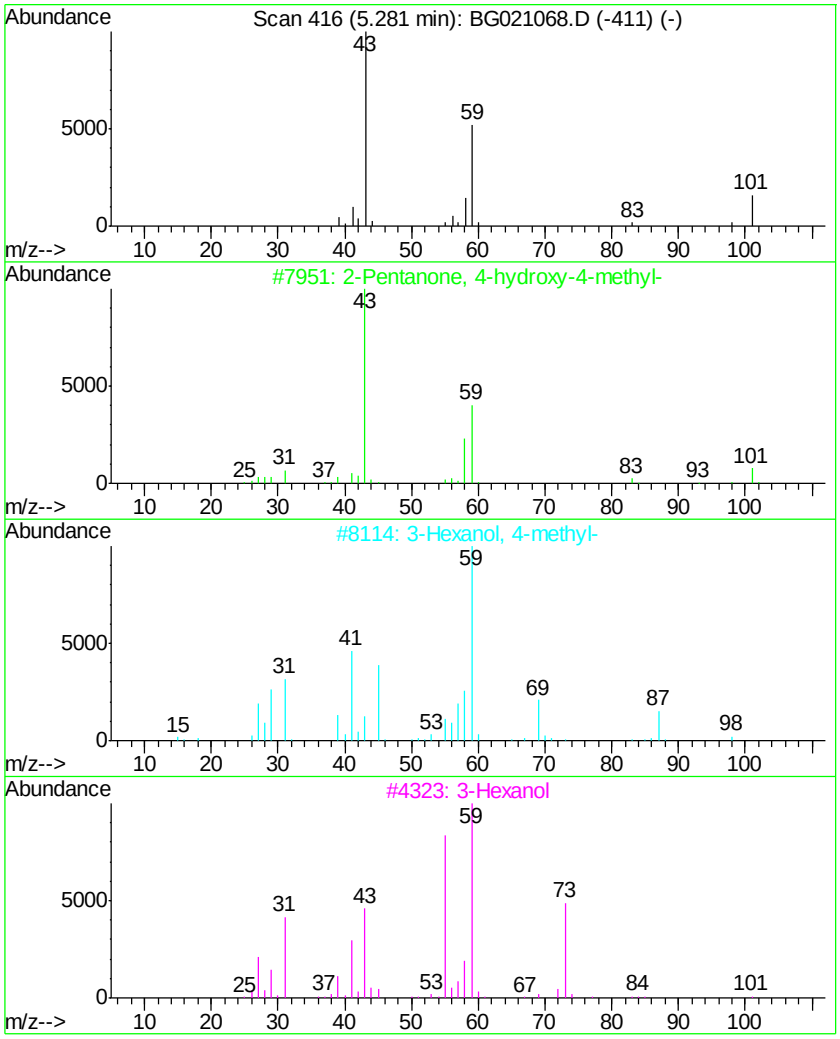
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

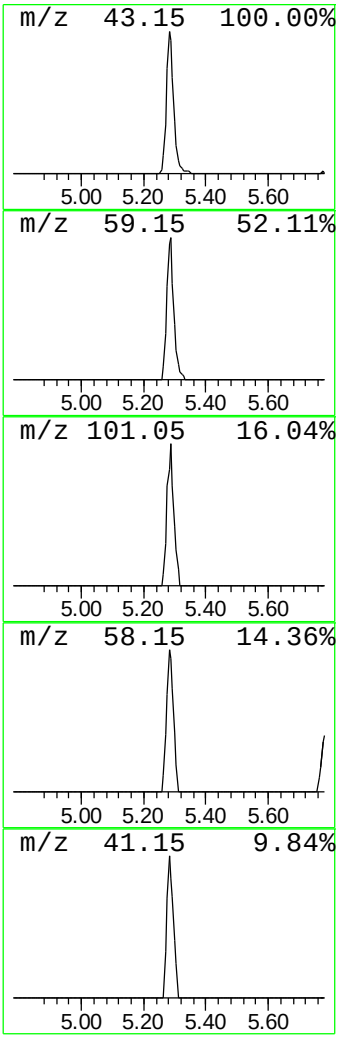
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	23.82 ng	39091	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	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	3-Hexanol	102	C6H14O	000623-37-0	33
4	Diacetamide	101	C4H7NO2	000625-77-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021068.D
Acq On : 25 Feb 2016 1:51
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-5(0-2)

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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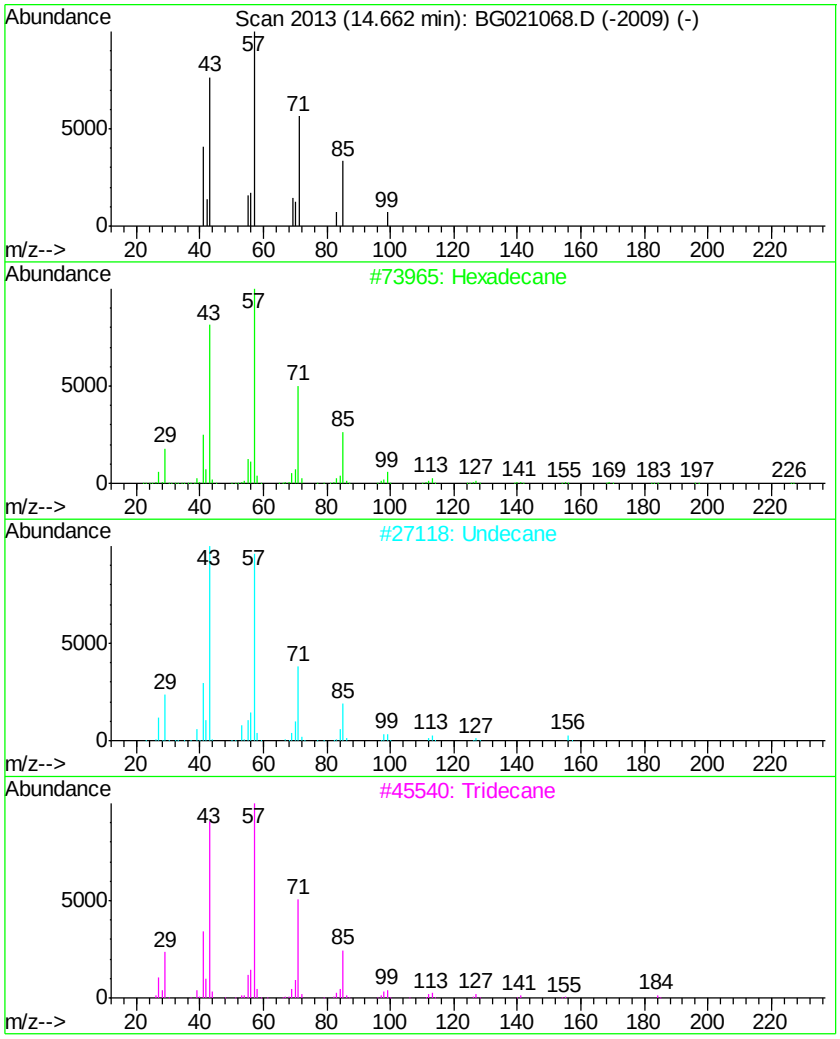
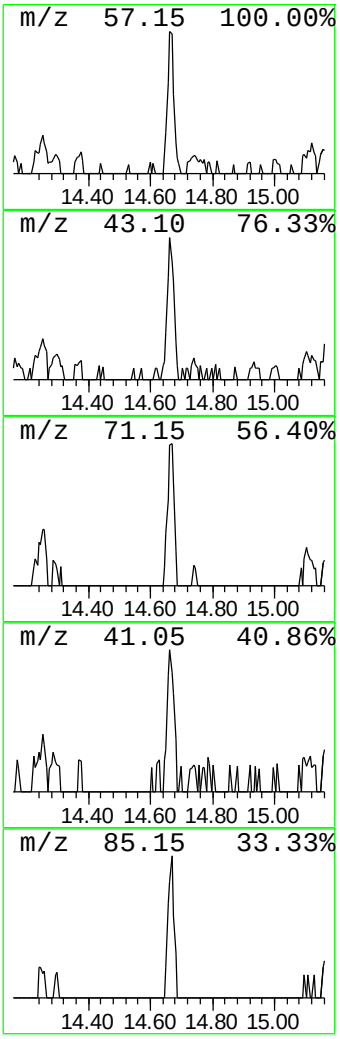
Peak Number 6 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	4.46 ng	13694	Acenaphthene-d10	14.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	83
2	Undecane	156	C11H24	001120-21-4	78
3	Tridecane	184	C13H28	000629-50-5	72
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	56
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	45





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021068.D
Acq On : 25 Feb 2016 1:51
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-5(0-2)

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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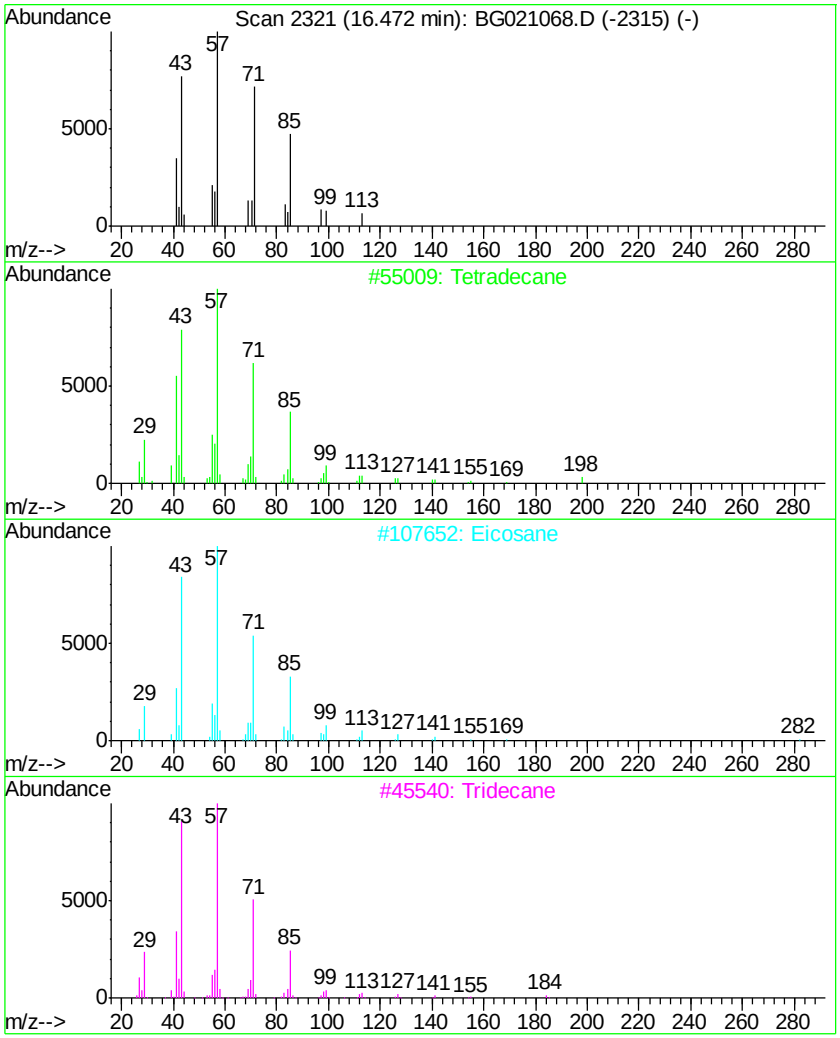
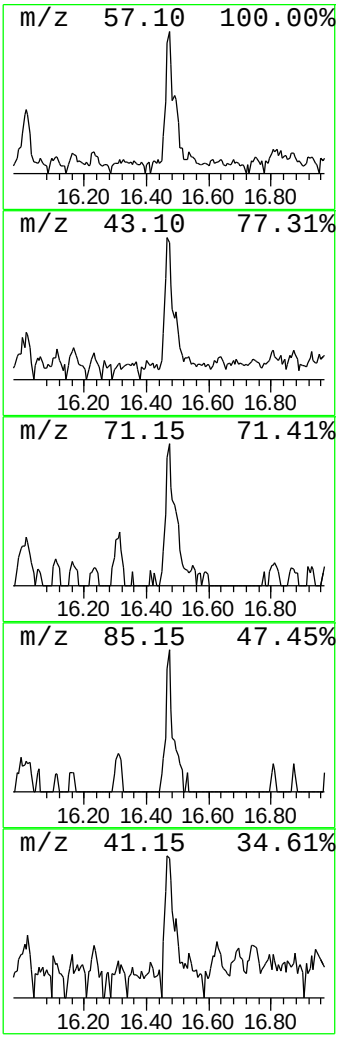
Peak Number 9 Tetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	8.08 ng	22256	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	78
2	Eicosane	282	C20H42	000112-95-8	72
3	Tridecane	184	C13H28	000629-50-5	59
4	Dotriacontane	451	C32H66	000544-85-4	53
5	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021068.D
Acq On : 25 Feb 2016 1:51
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-5(0-2)

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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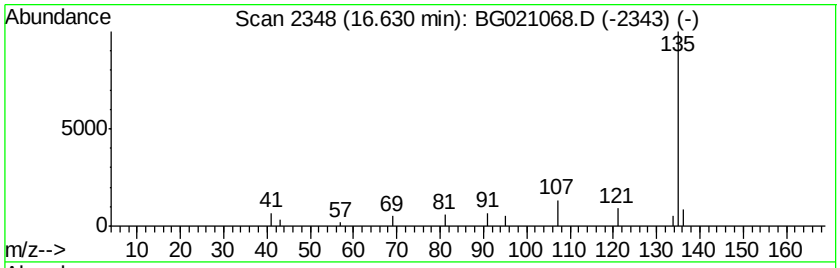
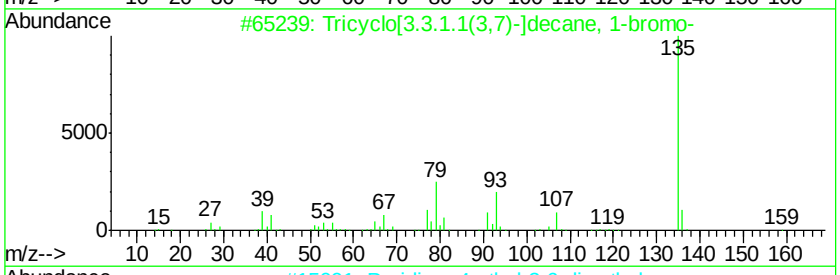
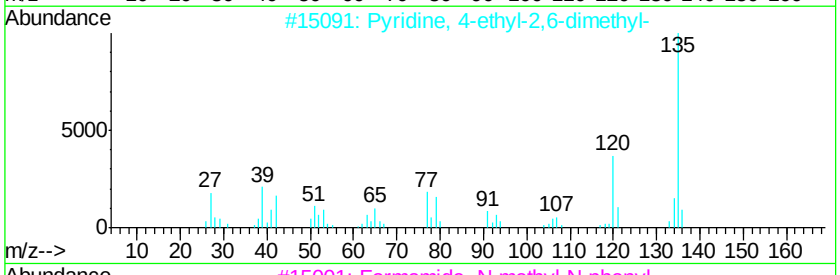
Peak Number 10 unknown16.63 Concentration Rank 19

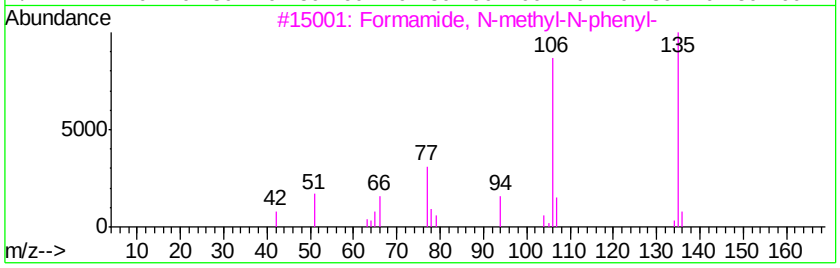
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	2.47 ng	6788	Phenanthrene-d10	17.56

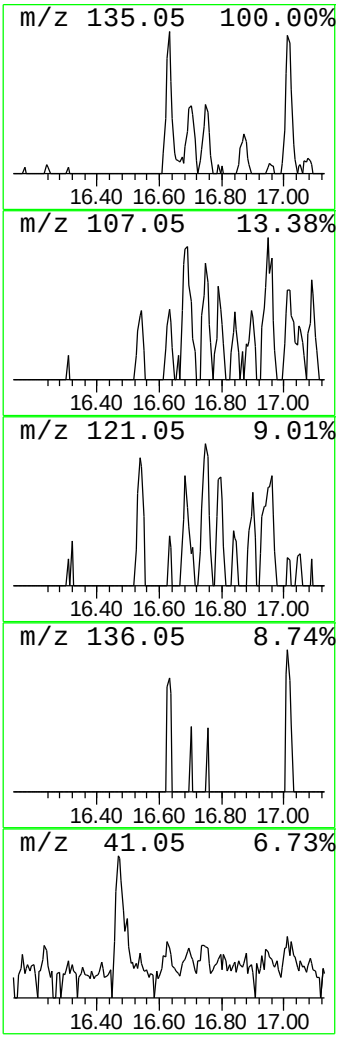
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[3.3.1.1(3,7)-]decane, 1...	214	C10H15Br	000768-90-1	39
2	Pyridine, 4-ethyl-2,6-dimethyl-	135	C9H13N	036917-36-9	9
3	Formamide, N-methyl-N-phenyl-	135	C8H9NO	000093-61-8	9
4	m-Aminobenzamidine	135	C7H9N3	003459-66-3	9
5	6-Methyl-triazolo(2,3-b)(1,2,4)-...	135	C5H5N5	061139-75-1	9











Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021068.D
Acq On : 25 Feb 2016 1:51
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-5(0-2)

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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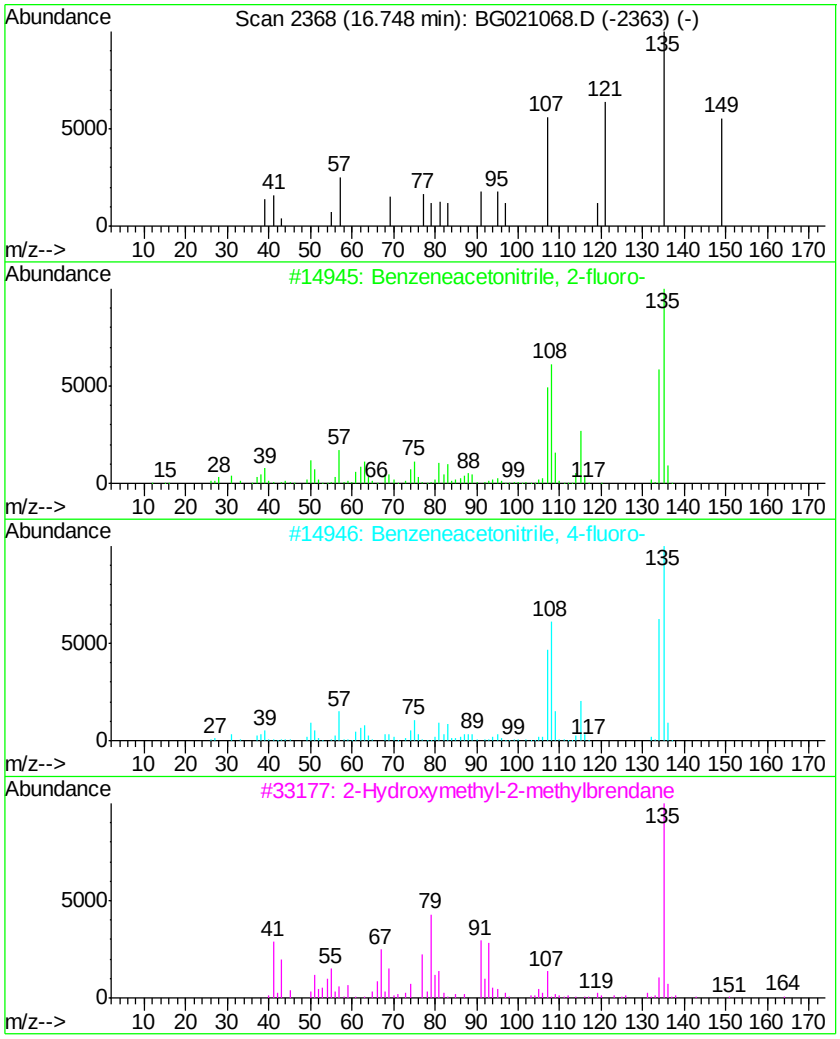
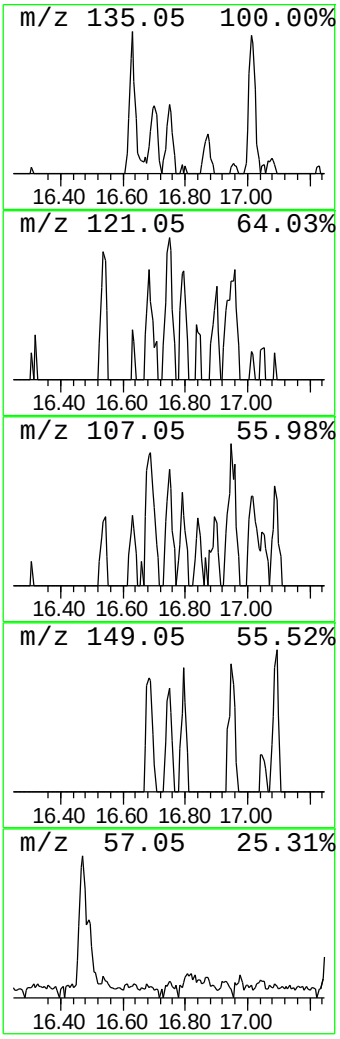
Peak Number 12 unknown16.75 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	2.75 ng	7572	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetonitrile, 2-fluoro-	135	C8H6FN	000326-62-5	38
2	Benzeneacetonitrile, 4-fluoro-	135	C8H6FN	000459-22-3	9
3	2-Hydroxymethyl-2-methylbrendane	166	C11H18O	1000139-74-2	9
4	2,4-Methano-1H-indene, 4-chloroo...	170	C10H15Cl	098640-25-6	9
5	(1H)Imidazole-4-acetonitrile	107	C5H5N3	018502-05-1	7





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021068.D
Acq On : 25 Feb 2016 1:51
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-5(0-2)

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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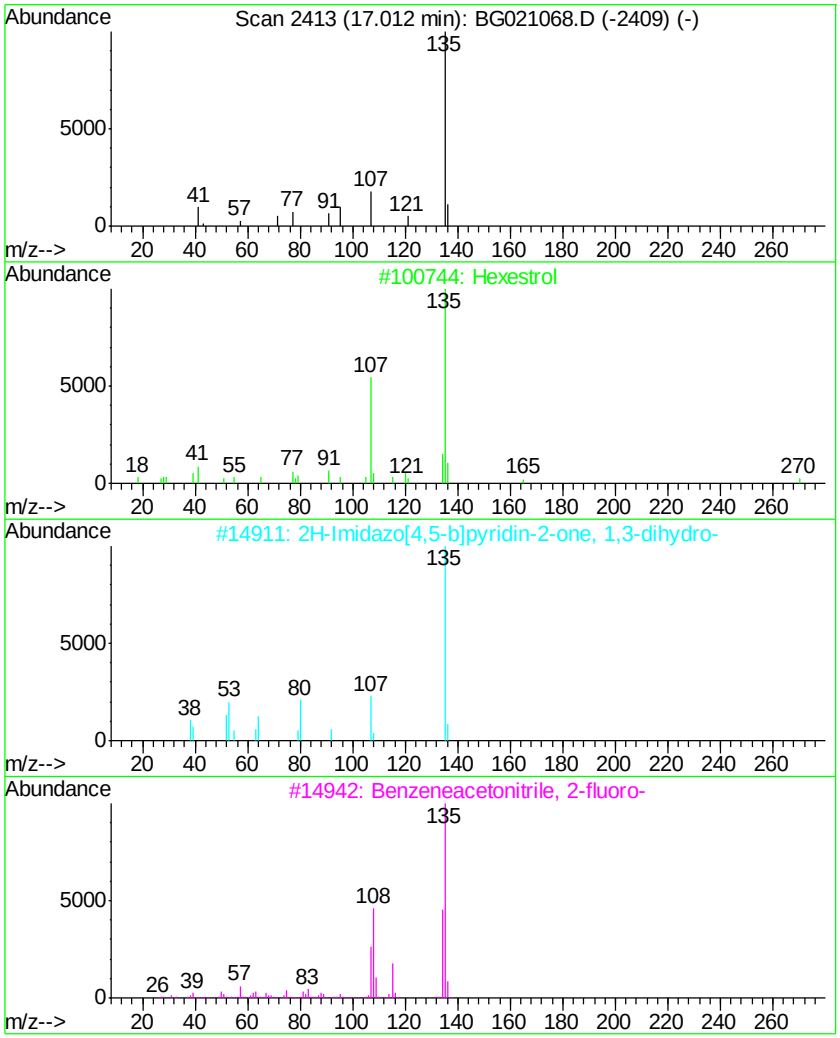
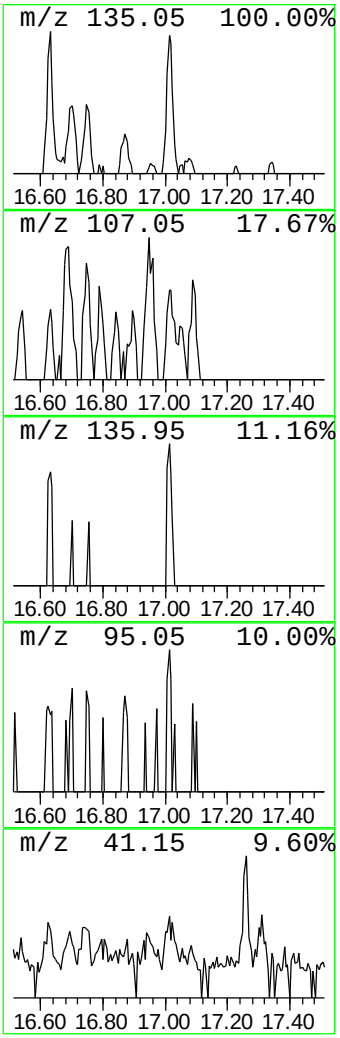
Peak Number 14 unknown17.01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	2.76 ng	7603	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexestrol	270	C18H22O2	005635-50-7	40
2	2H-Imidazo[4,5-b]pyridin-2-one, ...	135	C6H5N3O	016328-62-4	9
3	Benzeneacetonitrile, 2-fluoro-	135	C8H6FN	000326-62-5	9
4	Benzeneacetonitrile, 4-fluoro-	135	C8H6FN	000459-22-3	9
5	Pyridazo[4,5-b]pyrrole, 2,3-dihy...	135	C7H9N3	112513-72-1	9





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Data File : BG021068.D
Acq On : 25 Feb 2016 1:51
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-5(0-2)

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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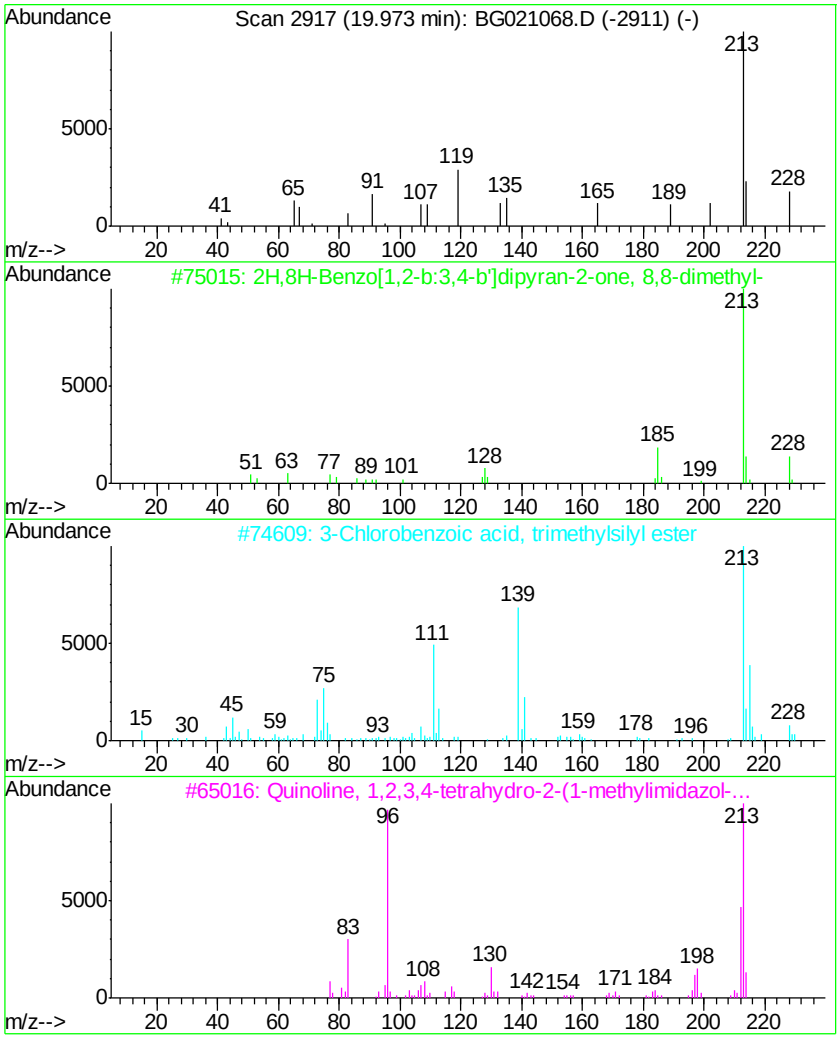
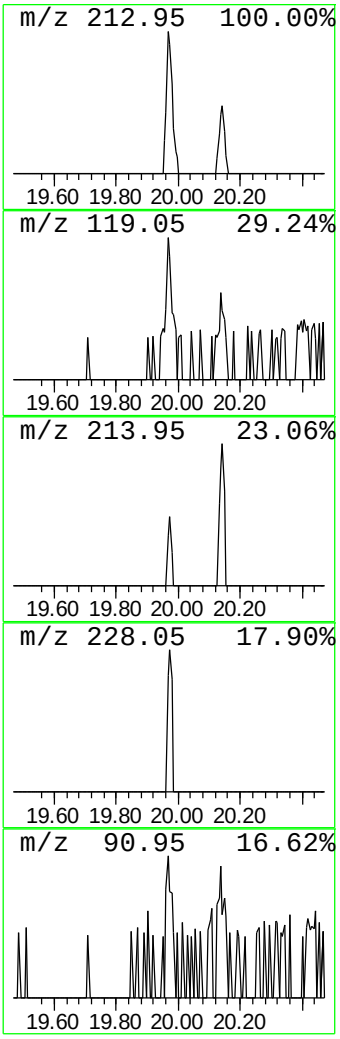
Peak Number 17 unknown19.97 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	4.22 ng	9208	Chrysene-d12	21.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	32
2	3-Chlorobenzoic acid, trimethyls...	228	C10H13ClO2Si	114521-53-8	32
3	Quinoline, 1,2,3,4-tetrahydro-2-...	213	C13H15N3	002531-52-4	32
4	2-Amino-6,7-dichloroquinazoline	213	C8H5Cl2N3	076002-68-1	32
5	Phenol, 2,4'-isopropylidenedi-	228	C15H16O2	000837-08-1	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021068.D
Acq On : 25 Feb 2016 1:51
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-5(0-2)

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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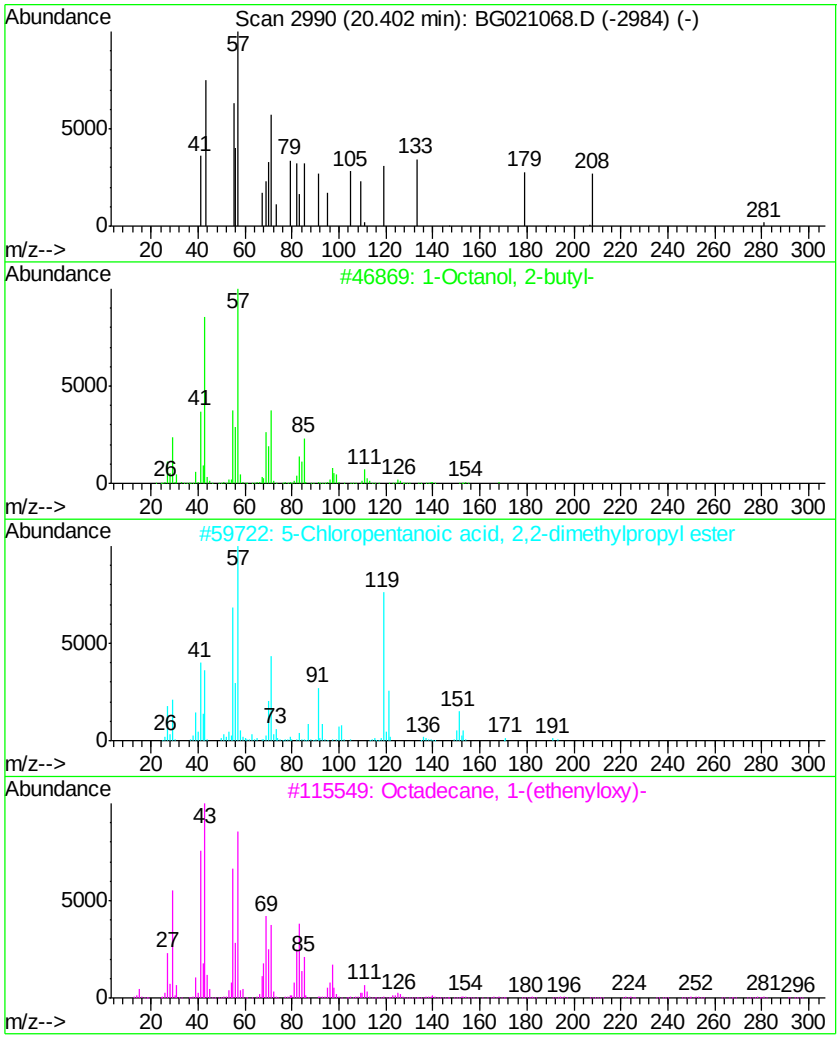
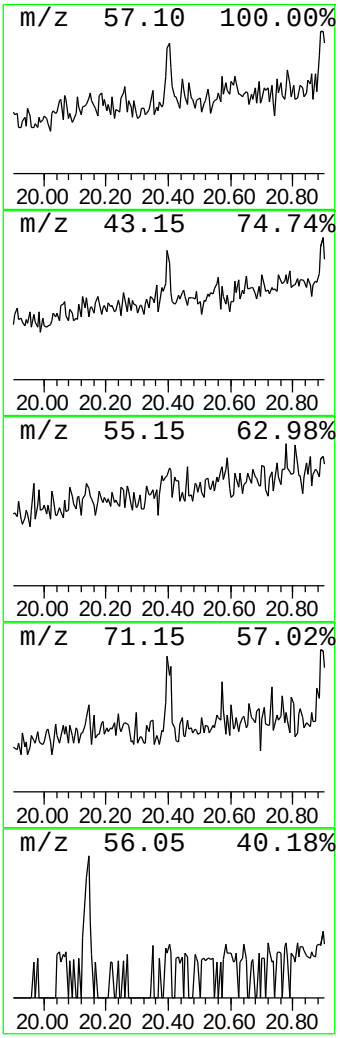
Peak Number 18 unknown20.40 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.40	3.81 ng	8312	Chrysene-d12	21.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	27
2	5-Chloropentanoic acid, 2,2-dime...	206	C10H19ClO2	1000293-48-5	27
3	Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	25
4	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	25
5	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	22





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021068.D
Acq On : 25 Feb 2016 1:51
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-5(0-2)

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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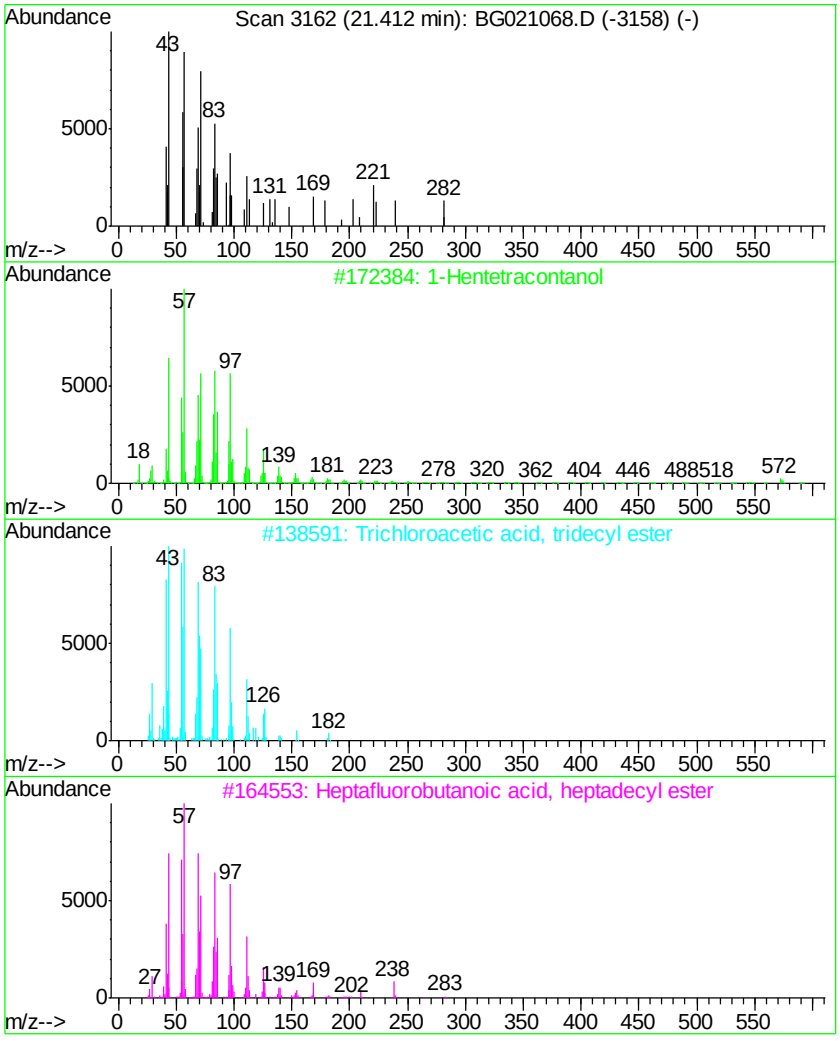
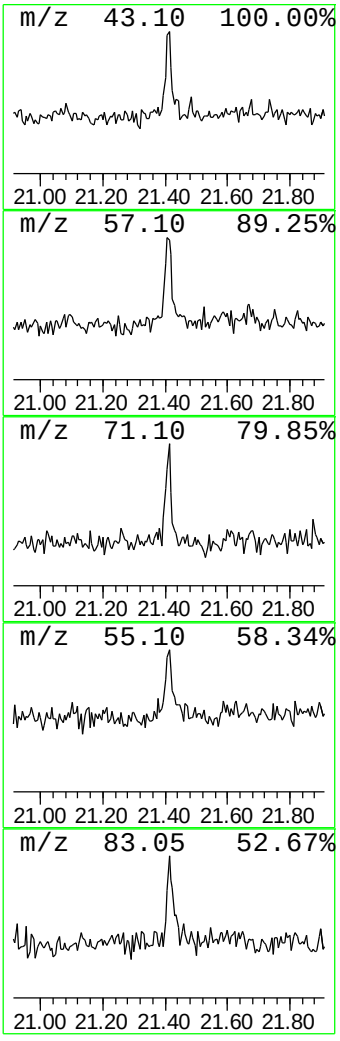
Peak Number 19 unknown21.41 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	6.83 ng	14891	Chrysene-d12	21.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hentetracontanol	593	C41H84O	040710-42-7	43
2	Trichloroacetic acid, tridecyl e...	344	C15H27Cl3O2	074339-51-8	43
3	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	43
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	43
5	1-Eicosanol	298	C20H42O	000629-96-9	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022416\
Data File : BG021068.D
Acq On : 25 Feb 2016 1:51
Operator : UM/SJ
Sample : H1521-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-5(0-2)

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...	3.05	174.6	ng	286593	1	8.21	32823	20.0
1-Pentene, 2-methyl-	3.20	5.1	ng	8440	1	8.21	32823	20.0
2-Pentanone, 4-hy...	5.28	23.8	ng	39091	1	8.21	32823	20.0
Hexadecane	14.66	4.5	ng	13694	3	14.82	61476	20.0
Tetradecane	16.47	8.1	ng	22256	4	17.56	55073	20.0
unknown16.63	16.63	2.5	ng	6788	4	17.56	55073	20.0
unknown16.75	16.75	2.8	ng	7572	4	17.56	55073	20.0
unknown17.01	17.01	2.8	ng	7603	4	17.56	55073	20.0
unknown19.97	19.97	4.2	ng	9208	5	21.84	43626	20.0
unknown20.40	20.40	3.8	ng	8312	5	21.84	43626	20.0
unknown21.41	21.41	6.8	ng	14891	5	21.84	43626	20.0