LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-4651

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.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	3.118	3	5	14	rVB	245775	377572	5.67%	0.735%
2	3.194	14	18	34	rVB	650439	1048904	15.75%	2.042%
3	5.609	422	429	440	rBV	1971851	3214007	48.27%	6.258%
4	7.201	692	700	710	rBV	2113774	3642417	54.71%	7.092%
5	7.583	754	765	774	rBV	2028745	3473829	52.18%	6.764%
6	8.053	838	845	852	rBV	387330	672811	10.11%	1.310%
7	8.376	891	900	908	rBV	1465044	2578375	38.73%	5.020%
8	9.204	1032	1041	1050	rBV	1227875	2179153	32.73%	4.243%
9	10.856	1313	1322	1333	rBV	542156	964523	14.49%	1.878%
10	13.300	1731	1738	1745	rBV	2876370	4542469	68.23%	8.844%
11	14.116	1871	1877	1889	rVB	402905	576864	8.66%	1.123%
12	14.669	1960	1971	1978	rBV2	844311	1320930	19.84%	2.572%
13	16.143	2215	2222	2232	rBV	2503510	3871700	58.15%	7.538%
14	17.401	2429	2436	2441	rBV2	1123332	1749322	26.27%	3.406%
15	17.448	2441	2444	2450	rVV	310941	423093	6.35%	0.824%
16	17.530	2451	2458	2464	rVB	61127	106134	1.59%	0.207%
17	18.300	2580	2589	2592	rBV2	340942	628412	9.44%	1.224%
18	18.464	2612	2617	2622	rBV2	114862	231989	3.48%	0.452%
19	18.505	2622	2624	2632	rVB	75167	105733	1.59%	0.206%
20	18.770	2665	2669	2672	rBV	65573	92642	1.39%	0.180%
21	18.805	2672	2675	2684	rVB2	55269	86684	1.30%	0.169%
22	19.187	2735	2740	2744	rBV2	79865	130089	1.95%	0.253%
23	19.246	2745	2750	2753	rVV5	37595	69468	1.04%	0.135%
24	19.322	2759	2763	2773	rBV3	68423	127516	1.92%	0.248%
25	19.445	2779	2784	2791	rVB	793475	1111890	16.70%	2.165%
26	19.563	2800	2804	2808	rBV2	111226	132427	1.99%	0.258%
27	19.804	2835	2845	2853	rBV	729861	1254344	18.84%	2.442%
28	19.880	2855	2858	2865	rVB4	45798	76331	1.15%	0.149%
29	20.009	2871	2880	2891	rVB	4902849	6657963	100.00%	12.963%
30	20.127	2896	2900	2912	rVB4	68586	184793	2.78%	0.360%
31	20.262	2919	2923	2925	rBV3	51540	73500	1.10%	0.143%
32	20.297	2926	2929	2933	rVB	92035	123350	1.85%	0.240%
33	20.450	2951	2955	2960	rVV2	94150	146133	2.19%	0.285%
34	20.597	2975	2980	2983	rBV	71077	112512	1.69%	0.219%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-4651

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	20.638	2983	2987	2991	rVB	67249	95494	1.43%	0.186%
36	21.049	3053	3057	3064	rVB	95330	159864	2.40%	0.311%
37	21.237	3081	3089	3092	rBV2	61674	155274	2.33%	0.302%
38	21.331	3100	3105	3109	rBV5	193333	390275	5.86%	0.760%
39	21.655	3151	3160	3165	rBV3	1249473	2659107	39.94%	5.177%
40	21.696	3165	3167	3176	rVB	315161	484434	7.28%	0.943%
41	21.884	3195	3199	3208	rVB2	57760	101923	1.53%	0.198%
42	22.495	3299	3303	3308	rVB	98495	147021	2.21%	0.286%
43	23.194	3417	3422	3435	rVB	130455	266393	4.00%	0.519%
44	23.840	3523	3532	3539	rBV2	196523	680319	10.22%	1.325%
45	24.011	3555	3561	3568	rVB2	157001	322266	4.84%	0.627%
46	24.551	3647	3653	3667	rVB	125836	363350	5.46%	0.707%
47	24.698	3670	3678	3687	rVB	178305	492944	7.40%	0.960%
48	24.851	3694	3704	3714	rBV2	732139	2025036	30.42%	3.943%
49	24.974	3719	3725	3733	rVB3	120885	322011	4.84%	0.627%
50	26.126	3913	3921	3929	rVB3	115445	333142	5.00%	0.649%
51	28.488	4313	4323	4332	rBV4	69687	273962	4.11%	0.533%

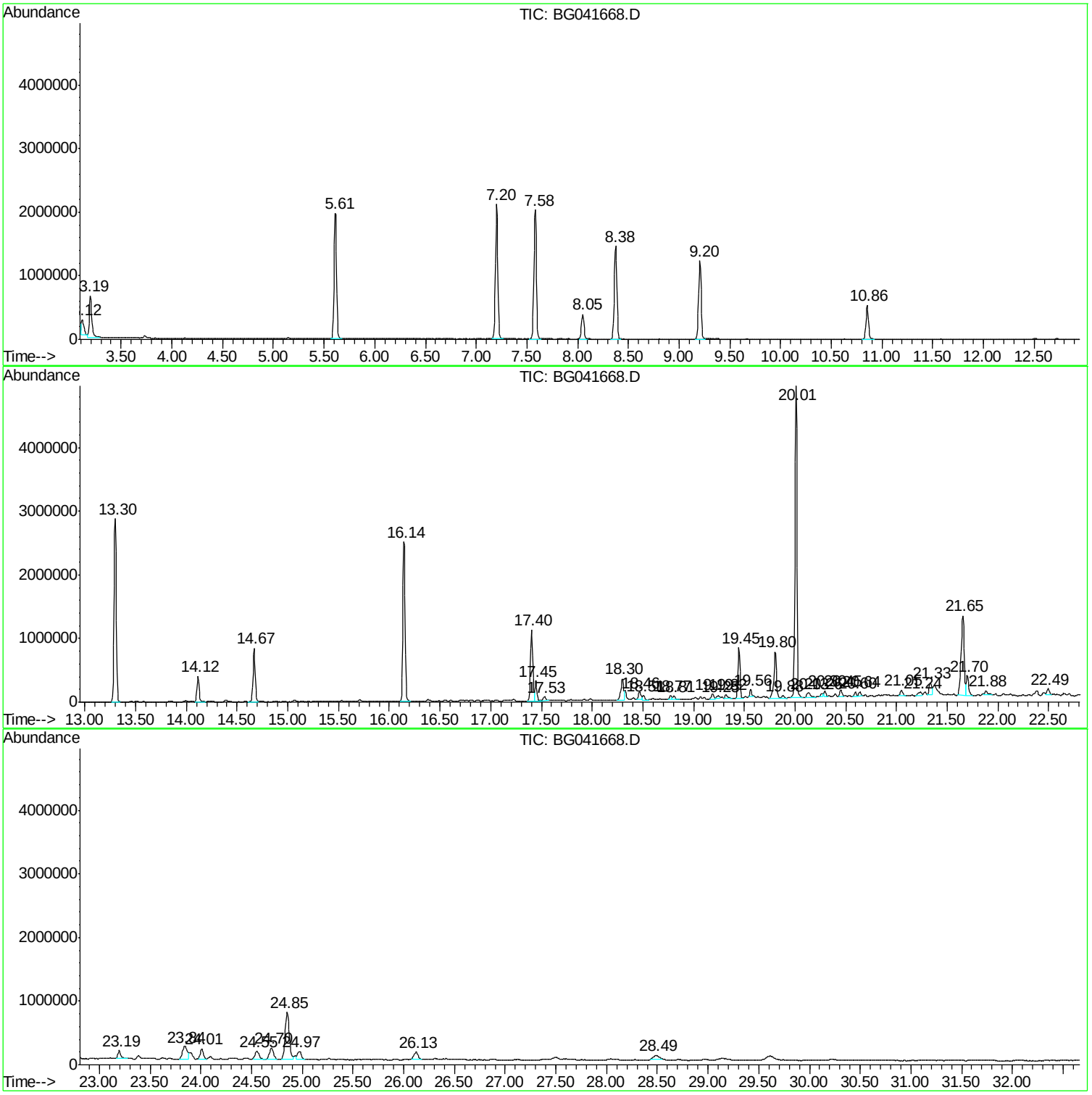
Sum of corrected areas: 51360694

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RT-4651

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-4651

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

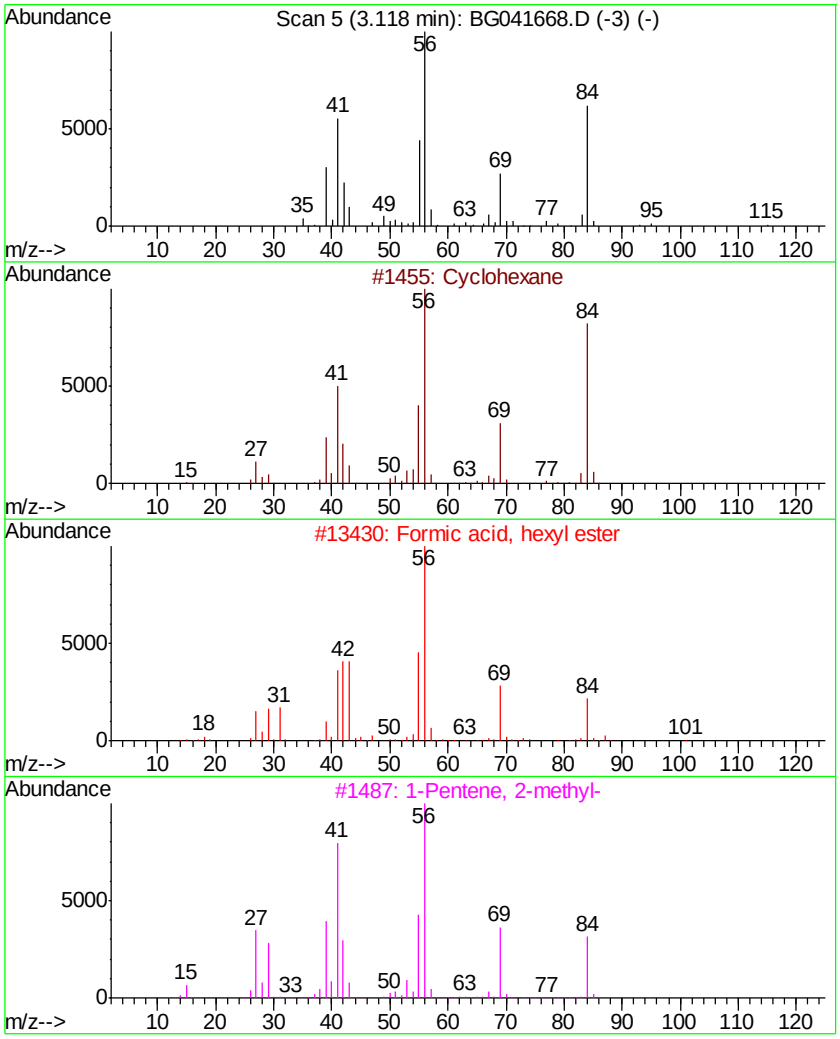
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

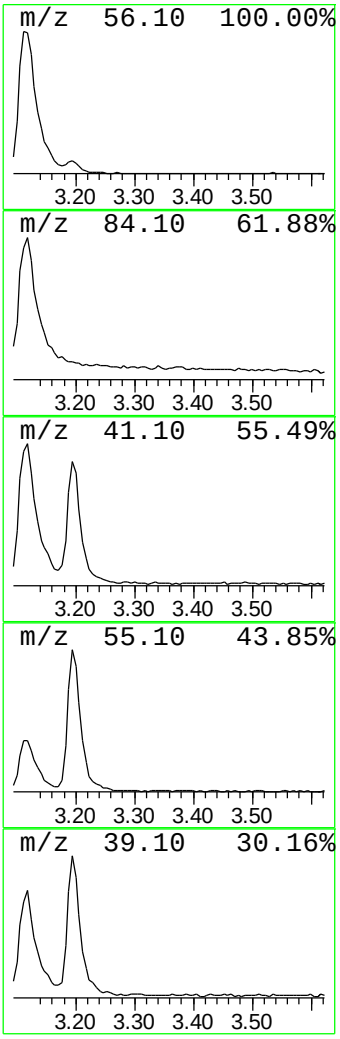
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.12	11.22 ng	377572	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	87
2	Formic acid, hexyl ester	130	C7H14O2	000629-33-4	64
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	56
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	42
5	Oxirane, (1-methylbutyl)-	114	C7H14O	053229-39-3	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-4651

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

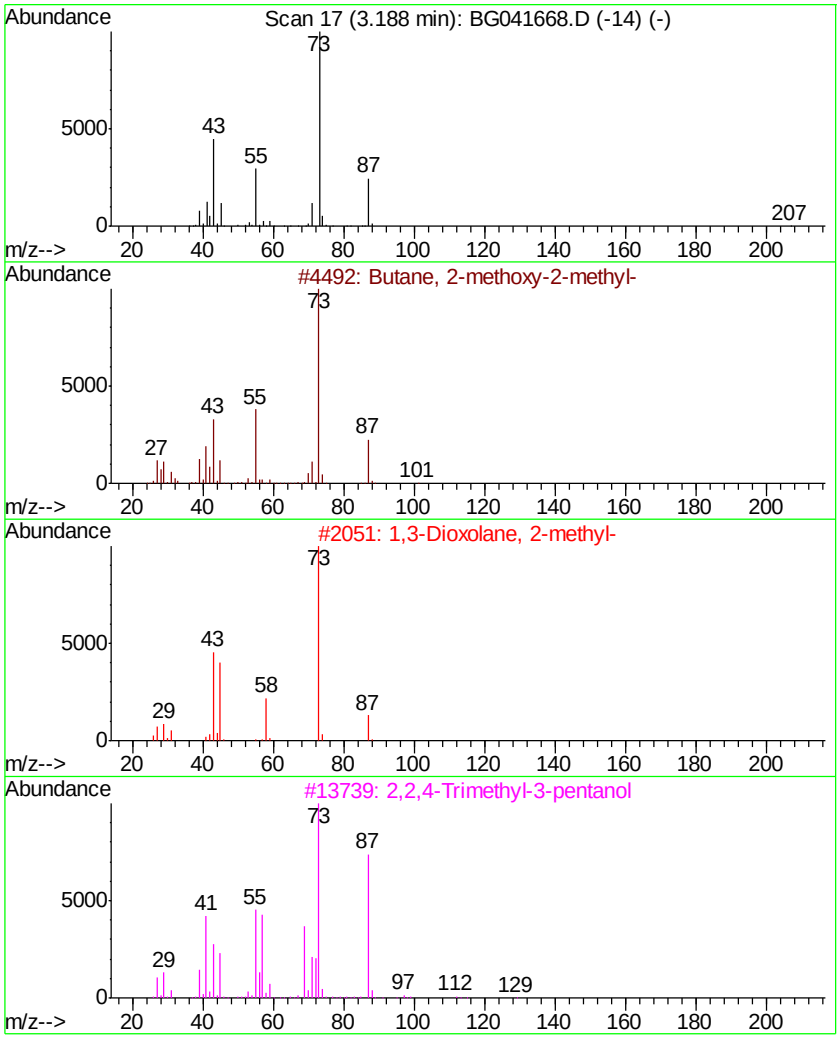
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

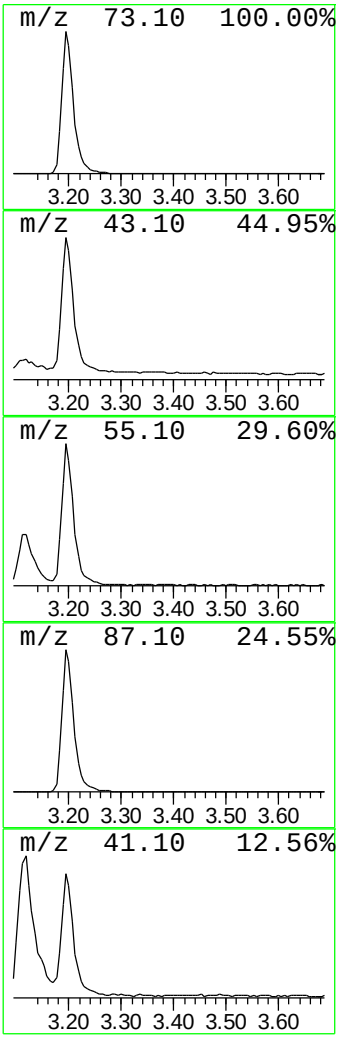
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	31.18 ng	1048900	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	38
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-4651

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

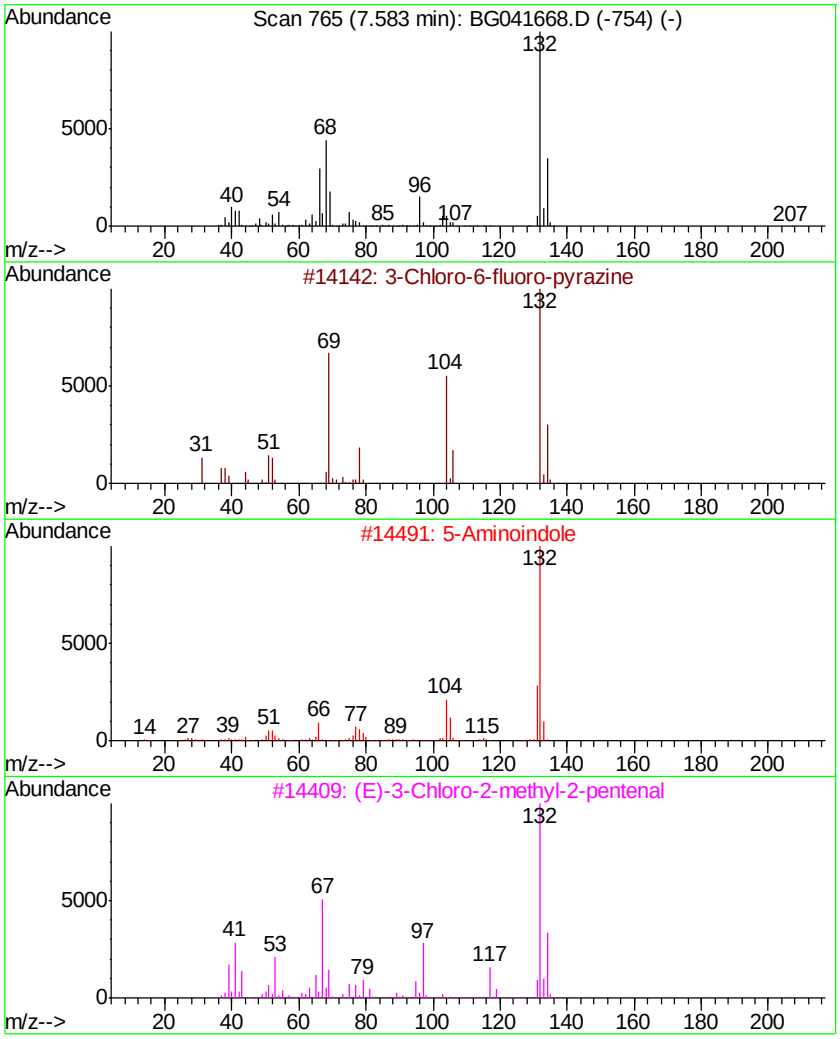
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

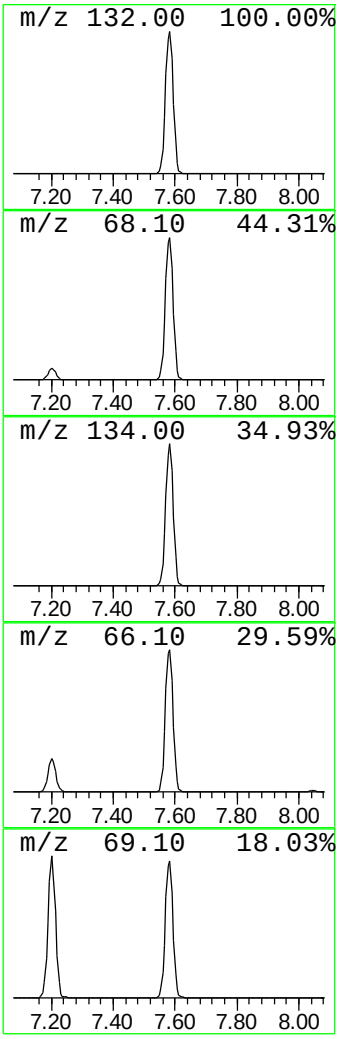
****

Peak Number 3 unknown7.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	103.26 ng	3473830	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	22
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-4651

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

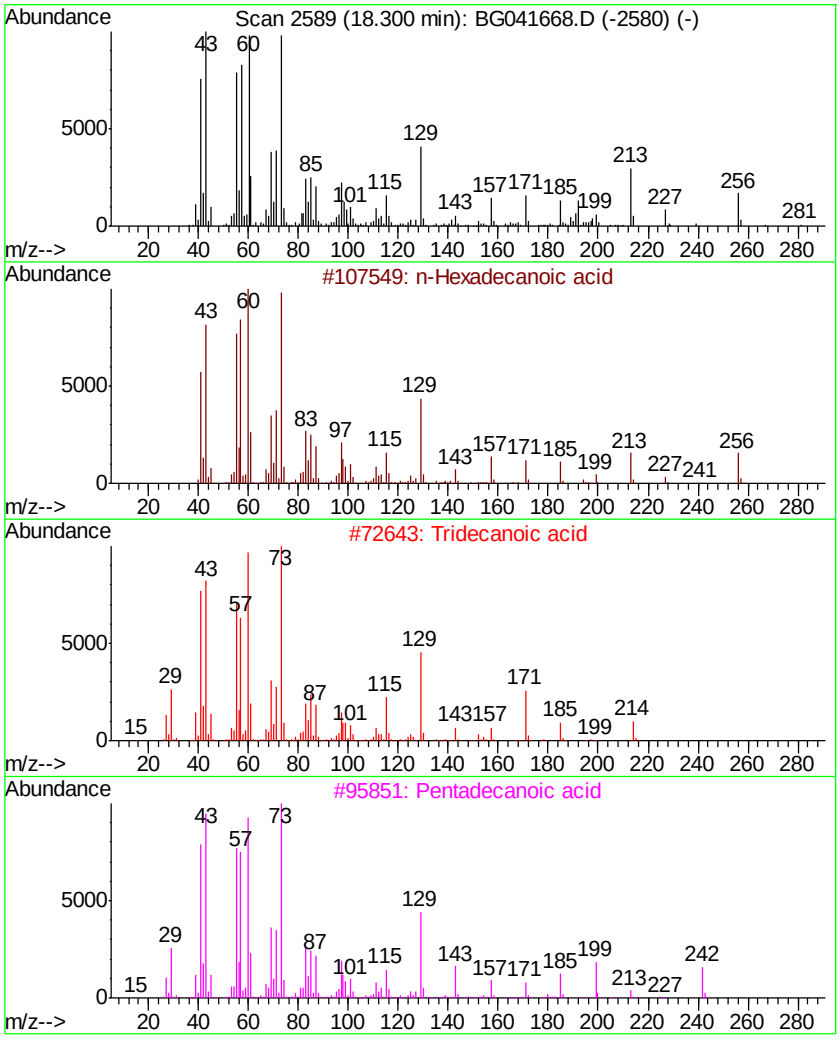
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

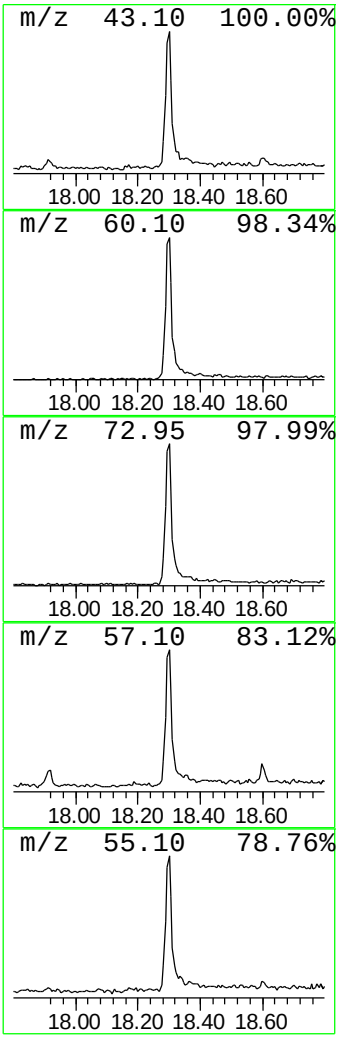
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	7.18 ng	628412	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	n-Decanoic acid	172	C10H20O2	000334-48-5	76
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-4651

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

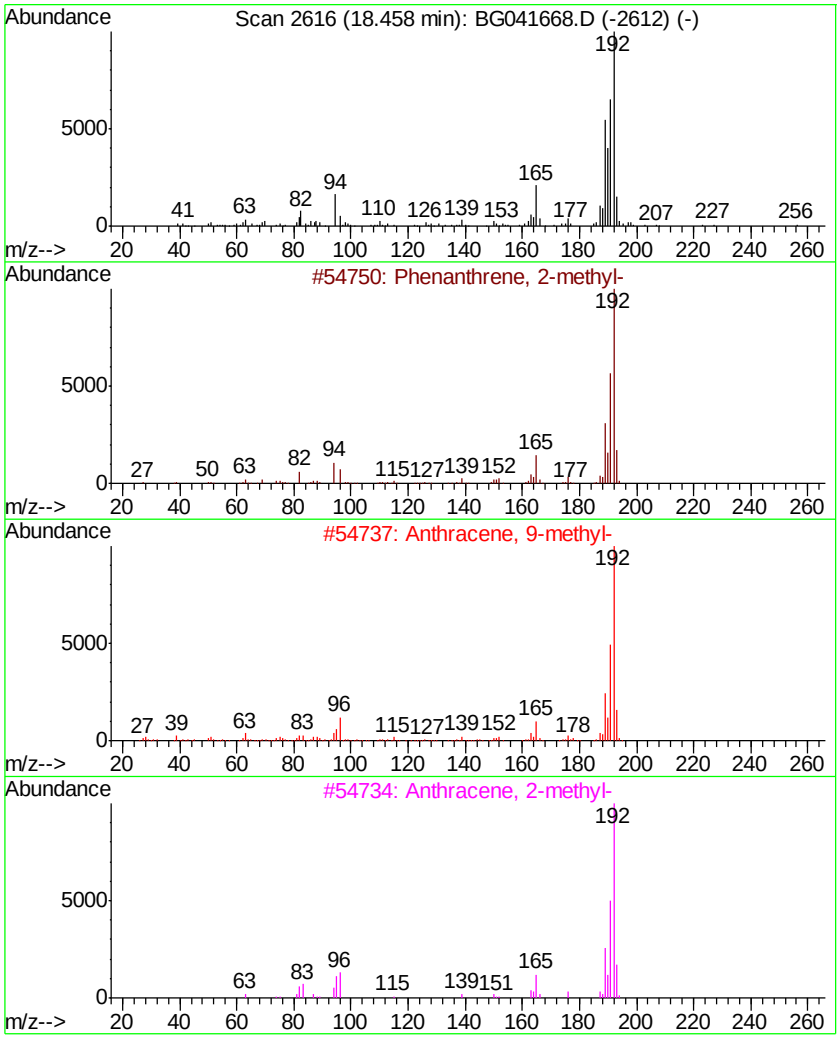
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

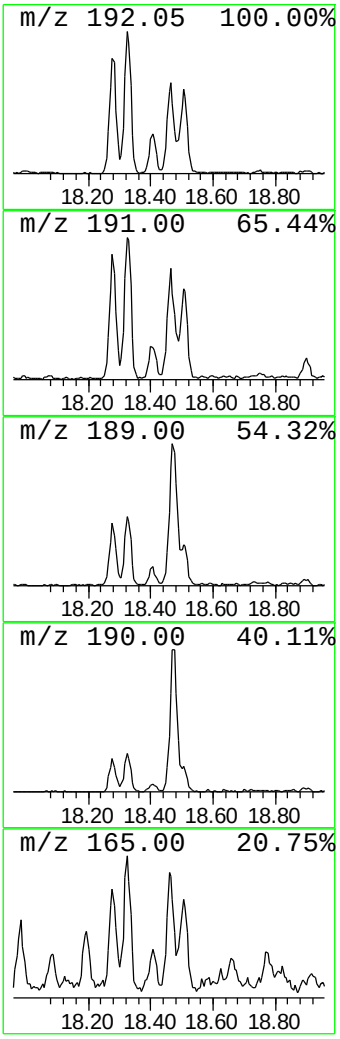
****

Peak Number 6 unknown18.46 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	2.65 ng	231989	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	46
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-4651

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

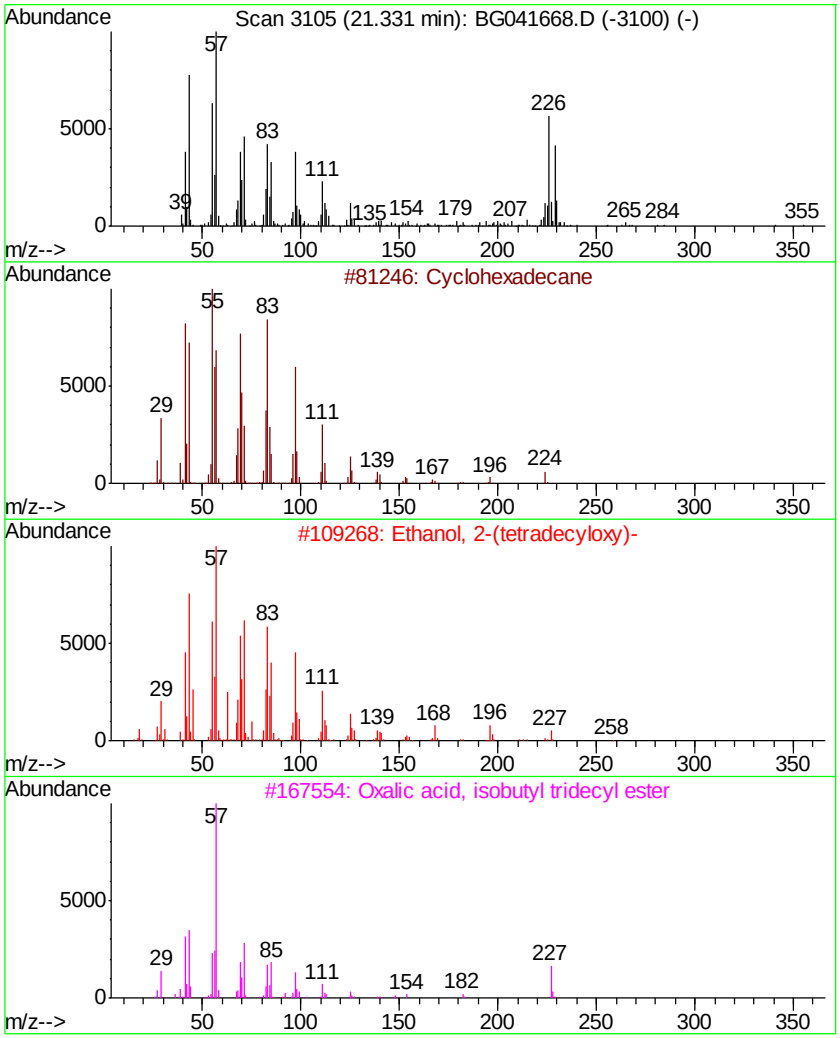
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

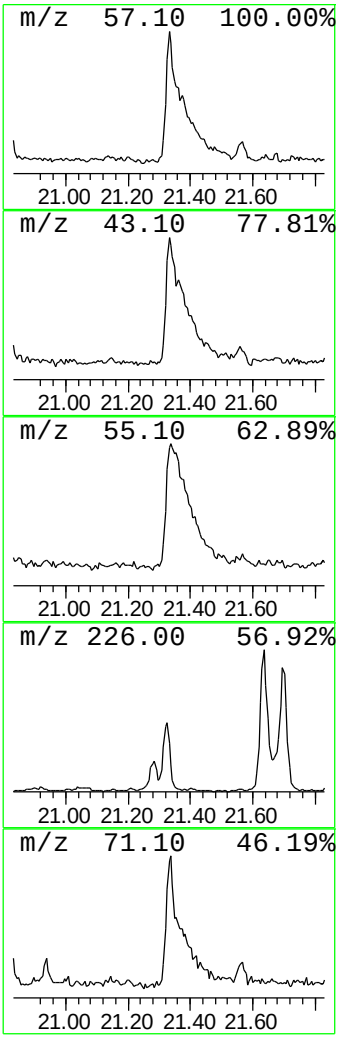
****

Peak Number 7 Cyclohexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.33	2.94 ng	390275	Chrysene-d12	21.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	94
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	55
3	Oxalic acid, isobutyl tridecyl e...	328	C19H36O4	1000309-37-8	53
4	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	49
5	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-4651

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

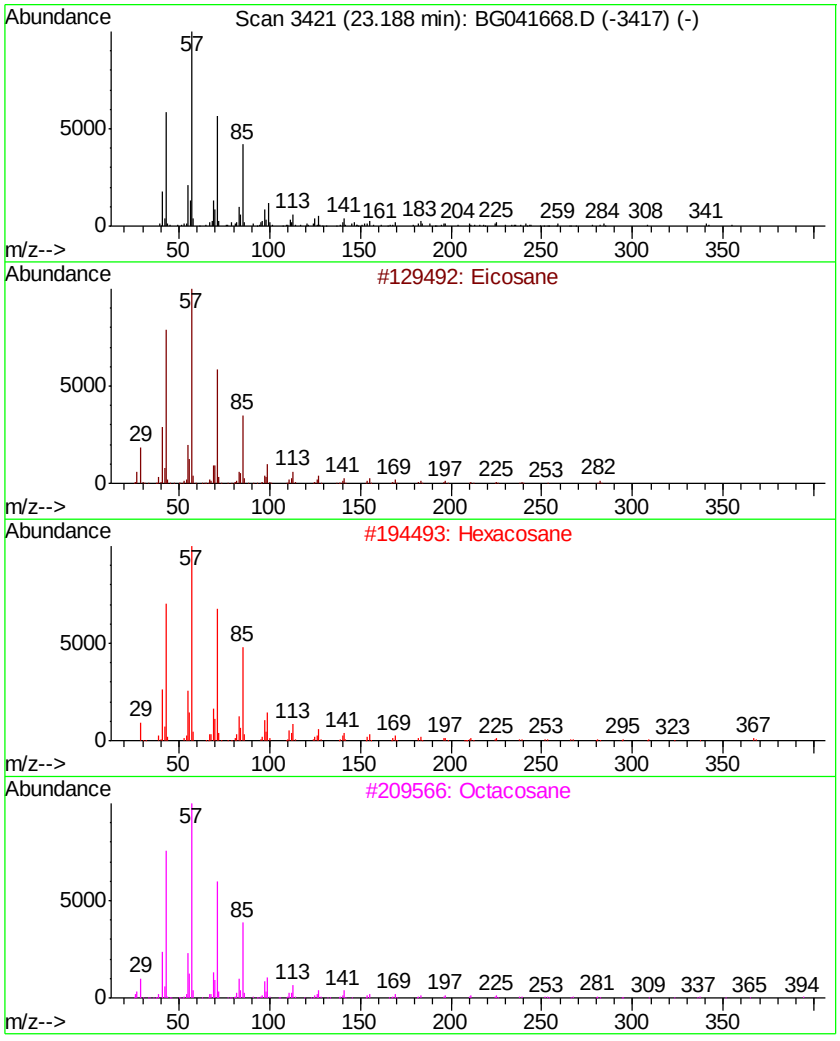
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

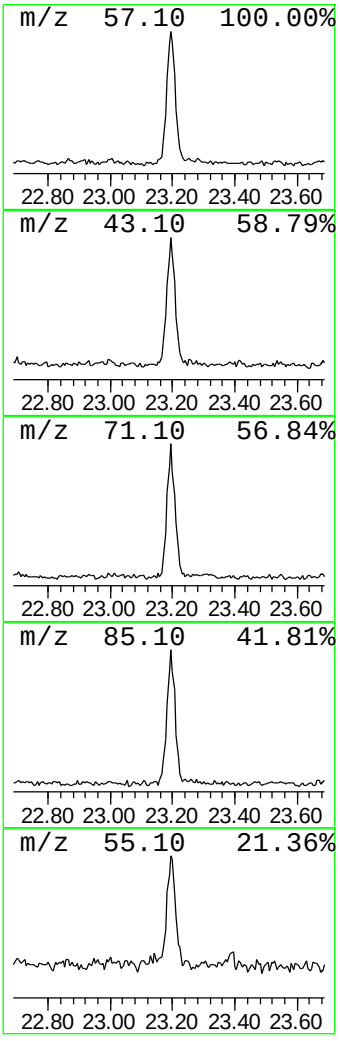
****

Peak Number 8 Eicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.19	2.00 ng	266393	Chrysene-d12	21.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Hexacosane	366	C26H54	000630-01-3	93
3	Octacosane	394	C28H58	000630-02-4	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Tetracosane	338	C24H50	000646-31-1	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-4651

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

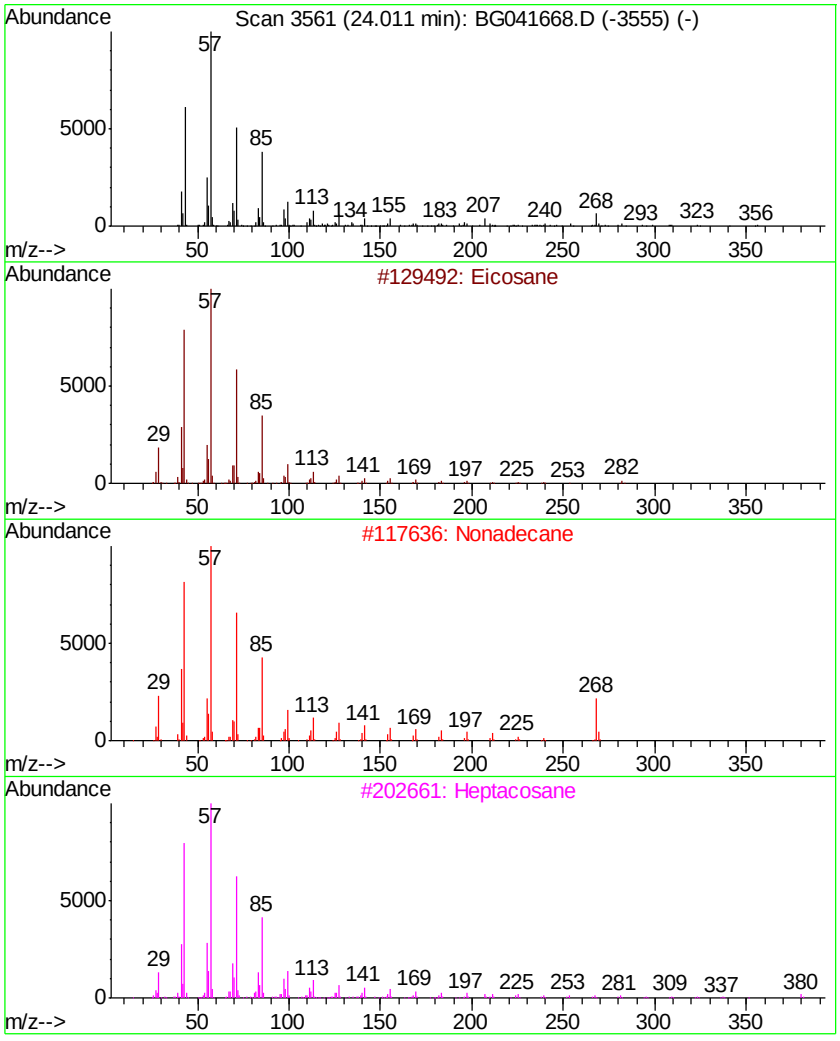
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

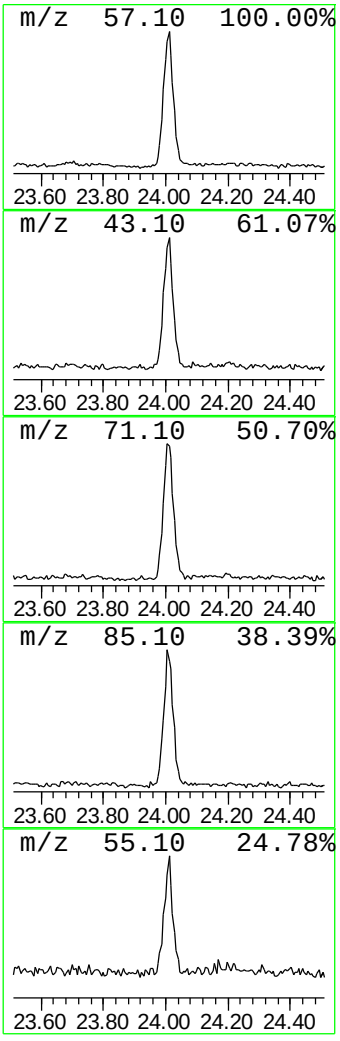
****

Peak Number 9 Nonadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	3.18 ng	322266	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	98
2	Nonadecane	268	C19H40	000629-92-5	90
3	Heptacosane	380	C27H56	000593-49-7	87
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	87
5	Octacosane	394	C28H58	000630-02-4	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-4651

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

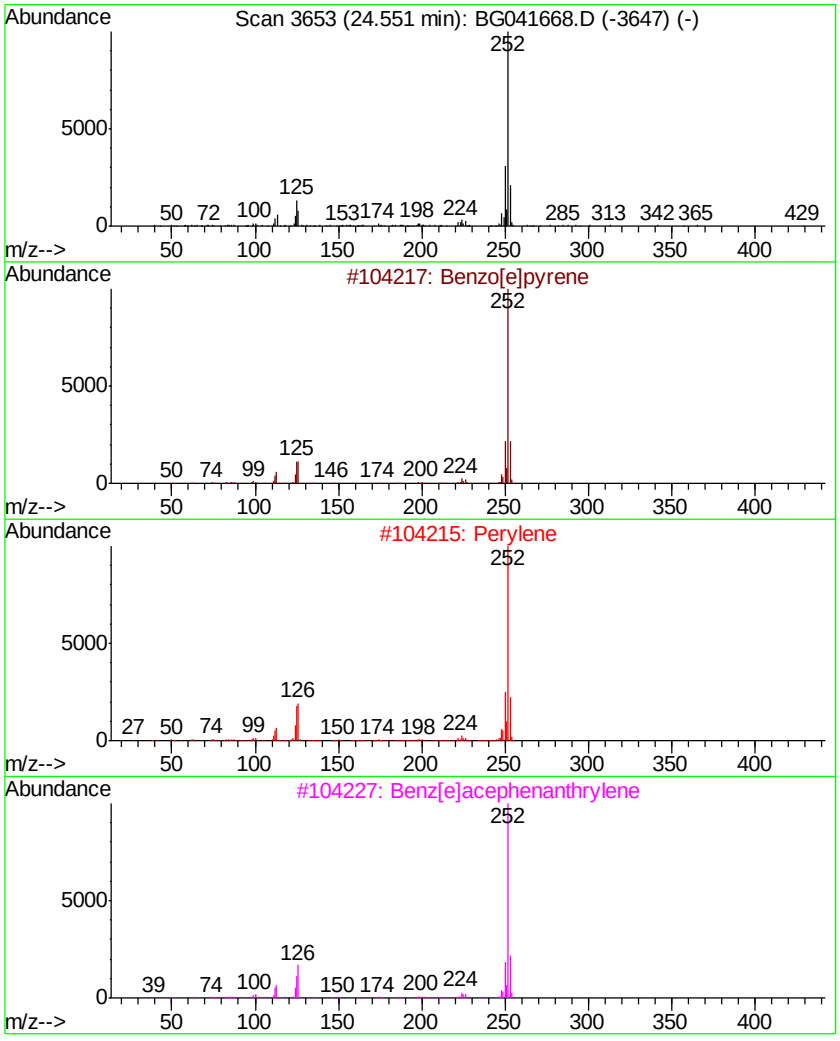
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

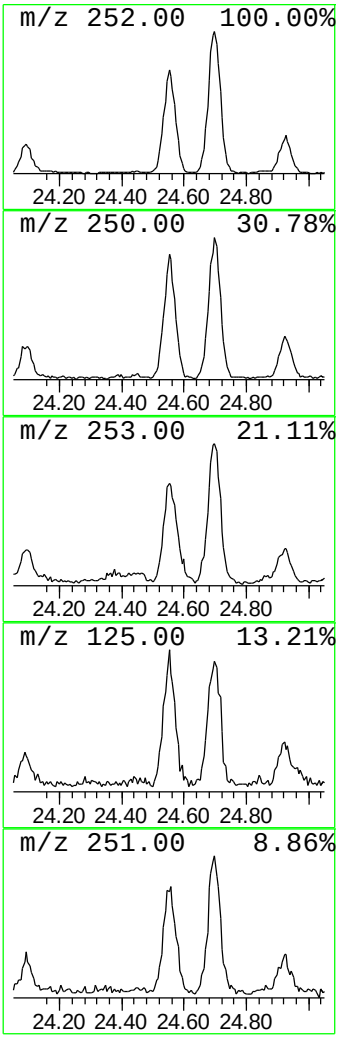
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.55	3.59 ng	363350	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Perylene	252	C20H12	000198-55-0	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benzo[a]pyrene	252	C20H12	000050-32-8	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-4651

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

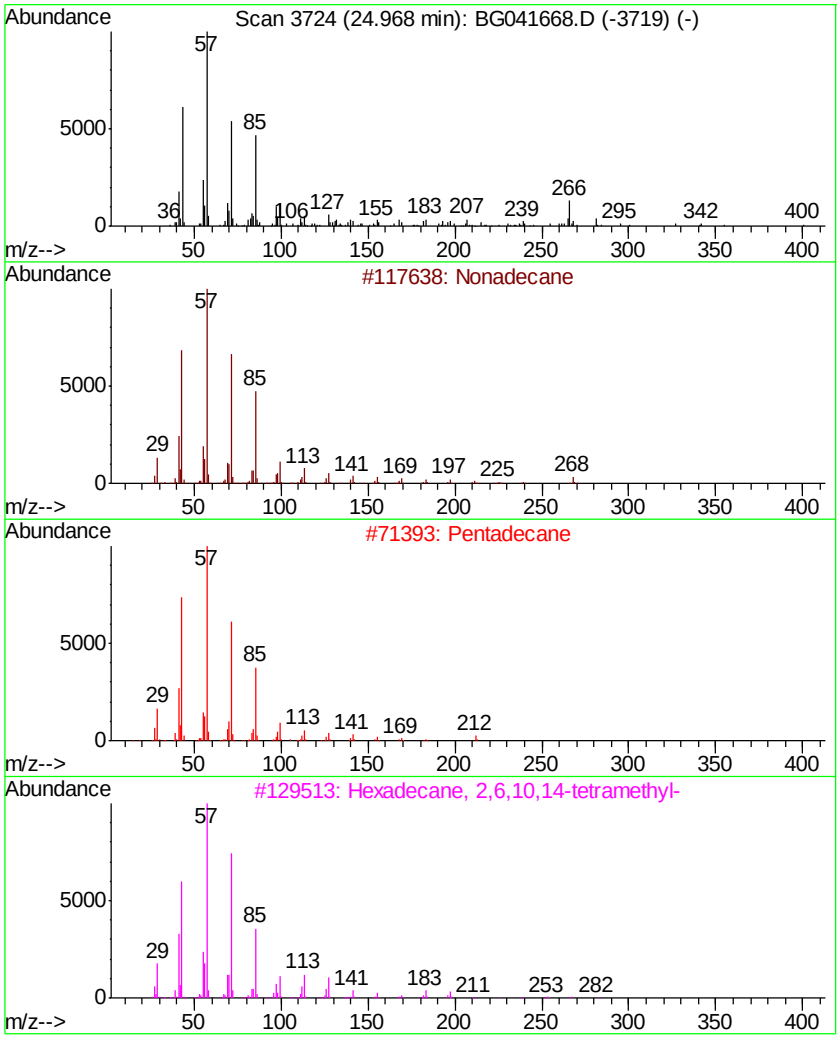
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

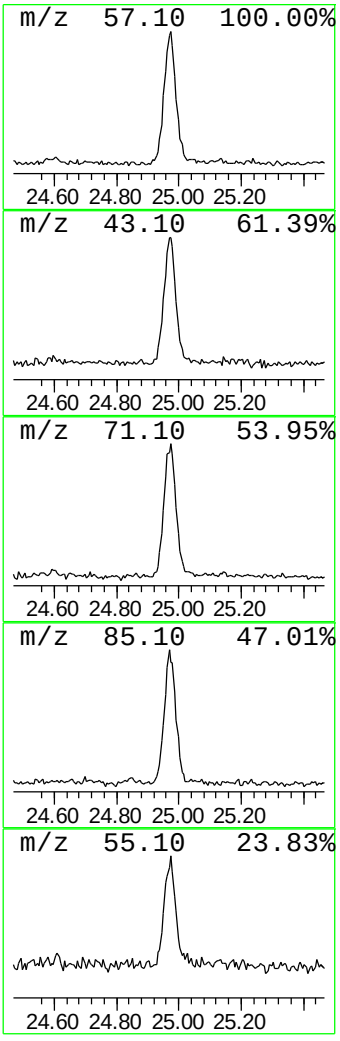
****

Peak Number 11 Pentadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.97	3.18 ng	322011	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	96
2	Pentadecane	212	C15H32	000629-62-9	90
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
4	Octacosane	394	C28H58	000630-02-4	83
5	Tetracosane	338	C24H50	000646-31-1	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-4651

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

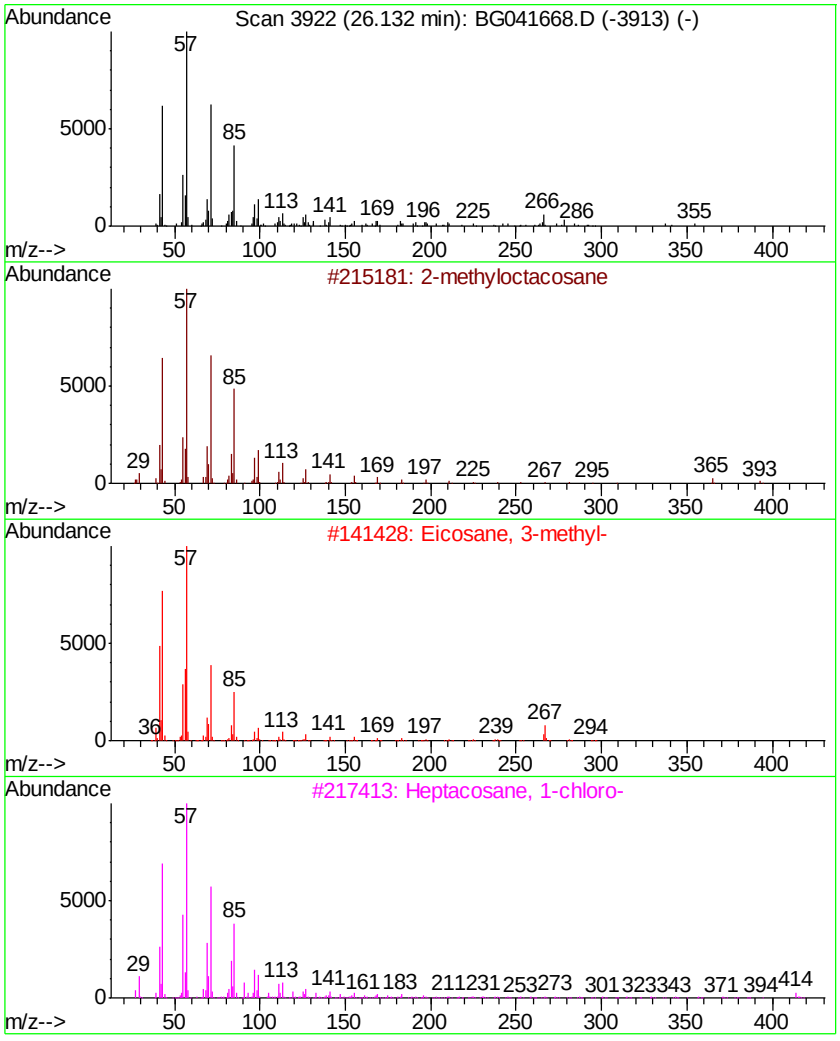
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

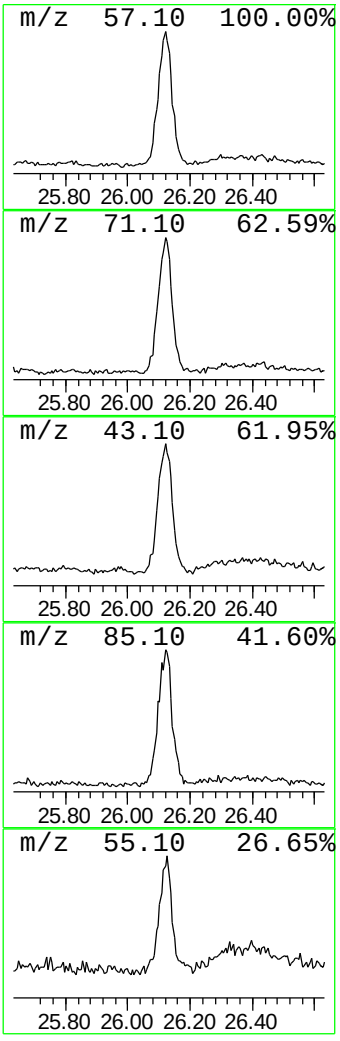
****

Peak Number 12 2-methyloctacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.13	3.29 ng	333142	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	90
2	Eicosane, 3-methyl-	296	C21H44	006418-46-8	90
3	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	87
4	Pentacosane	352	C25H52	000629-99-2	87
5	Tritetracontane	605	C43H88	007098-21-7	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-4651

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Pentene, 2-methyl-	3.12	11.2	ng	377572	1	8.05	672811	20.0
Butane, 2-methoxy...	3.19	31.2	ng	1048900	1	8.05	672811	20.0
unknown7.58	7.58	103.3	ng	3473830	1	8.05	672811	20.0
n-Hexadecanoic acid	18.30	7.2	ng	628412	4	17.40	1749320	20.0
unknown18.46	18.46	2.6	ng	231989	4	17.40	1749320	20.0
Cyclohexadecane	21.33	2.9	ng	390275	5	21.65	2659110	20.0
Eicosane	23.19	2.0	ng	266393	5	21.65	2659110	20.0
Nonadecane	24.01	3.2	ng	322266	6	24.85	2025040	20.0
Benzo[e]pyrene	24.55	3.6	ng	363350	6	24.85	2025040	20.0
Pentadecane	24.97	3.2	ng	322011	6	24.85	2025040	20.0
2-methyloctacosane	26.13	3.3	ng	333142	6	24.85	2025040	20.0