LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070119\
Data File : BG041559.D
Acq On : 1 Jul 2019 15:08
Operator : HP/JU
Sample : K3592-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-5124

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-BG062619.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	4.557	248	250	256	rVB3	11604	17104	1.14%	0.125%
2	5.568	416	422	437	rBV	243704	420520	28.14%	3.063%
3	7.190	691	698	709	rBV	257147	460789	30.84%	3.356%
4	7.554	754	760	769	rBV	258571	453558	30.36%	3.303%
5	8.030	835	841	847	rBV	101993	171477	11.48%	1.249%
6	8.353	889	896	904	rVB	212315	371097	24.84%	2.703%
7	9.211	1035	1042	1056	rBV	153790	305335	20.44%	2.224%
8	10.850	1315	1321	1335	rBV	115791	226117	15.13%	1.647%
9	13.294	1730	1737	1750	rBV	475757	733717	49.11%	5.343%
10	14.123	1873	1878	1886	rBV	66695	98036	6.56%	0.714%
11	14.675	1966	1972	1978	rBV2	214247	336172	22.50%	2.448%
12	14.740	1978	1983	1991	rVB	143930	222357	14.88%	1.619%
13	15.074	2035	2040	2048	rBV	51830	82990	5.55%	0.604%
14	15.721	2144	2150	2158	rBV	124214	194723	13.03%	1.418%
15	15.879	2174	2177	2182	rVB5	13100	19859	1.33%	0.145%
16	16.014	2196	2200	2206	rVB2	14647	24187	1.62%	0.176%
17	16.167	2220	2226	2238	rBV	399734	659395	44.13%	4.802%
18	16.725	2316	2321	2325	rVB4	15007	22996	1.54%	0.167%
19	17.248	2402	2410	2417	rVB	38200	58951	3.95%	0.429%
20	17.425	2433	2440	2443	rBV2	318782	481661	32.24%	3.508%
21	17.466	2443	2447	2457	rVV	578262	867236	58.04%	6.316%
22	17.560	2457	2463	2470	rVB	48644	80676	5.40%	0.588%
23	18.294	2581	2588	2593	rBV2	48636	96926	6.49%	0.706%
24	18.347	2593	2597	2603	rVB	55242	76671	5.13%	0.558%
25	18.423	2606	2610	2615	rVB3	12312	19936	1.33%	0.145%
26	18.500	2615	2623	2627	rBV	108634	191319	12.80%	1.393%
27	18.799	2668	2674	2679	rBV3	14171	26492	1.77%	0.193%
28	19.205	2736	2743	2748	rBV2	12008	23532	1.57%	0.171%
29	19.264	2748	2753	2757	rBV6	8665	17334	1.16%	0.126%
30	19.363	2763	2770	2774	rBV5	10830	20990	1.40%	0.153%
31	19.475	2782	2789	2800	rBV	842043	1171483	78.40%	8.532%
32	19.557	2800	2803	2808	rVB7	9030	16525	1.11%	0.120%
33	19.722	2824	2831	2839	rVB	20241	34785	2.33%	0.253%
34	19.804	2839	2845	2847	rBV2	120181	196008	13.12%	1.427%

LSC Area Percent Report

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Data File : BG041559.D
Acq On : 1 Jul 2019 15:08
Operator : HP/JU
Sample : K3592-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-5124

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-BG062619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.839	2847	2851	2858	rVV	543106	768257	51.42%	5.595%
36	19.904	2858	2862	2871	rVB3	20892	34879	2.33%	0.254%
37	20.022	2876	2882	2893	rVV	1159518	1494163	100.00%	10.882%
38	20.163	2899	2906	2911	rVB3	27782	62195	4.16%	0.453%
39	20.286	2921	2927	2928	rBV4	21508	26229	1.76%	0.191%
40	20.327	2929	2934	2939	rVB	88420	130159	8.71%	0.948%
41	20.421	2945	2950	2955	rBV	97647	135920	9.10%	0.990%
42	20.486	2955	2961	2963	rVV4	27076	50542	3.38%	0.368%
43	20.515	2963	2966	2971	rVB	21114	25691	1.72%	0.187%
44	20.621	2980	2984	2987	rBV2	14425	21917	1.47%	0.160%
45	20.668	2989	2992	2997	rVB3	14027	20782	1.39%	0.151%
46	21.050	3051	3057	3060	rBV7	9990	18875	1.26%	0.137%
47	21.279	3089	3096	3099	rBV	42493	93940	6.29%	0.684%
48	21.314	3100	3102	3107	rVV	40373	57266	3.83%	0.417%
49	21.361	3107	3110	3116	rVB3	18618	34909	2.34%	0.254%
50	21.543	3136	3141	3151	rBV7	19793	47613	3.19%	0.347%
51	21.696	3157	3167	3172	rBV2	475616	983692	65.84%	7.164%
52	21.743	3172	3175	3185	rVV	126159	209286	14.01%	1.524%
53	21.831	3187	3190	3196	rVV7	11866	17889	1.20%	0.130%
54	21.896	3196	3201	3207	rVB2	31161	53527	3.58%	0.390%
55	22.101	3233	3236	3244	rVB6	9611	23044	1.54%	0.168%
56	22.436	3286	3293	3297	rBV5	27938	50280	3.37%	0.366%
57	23.141	3404	3413	3419	rBV4	32841	71590	4.79%	0.521%
58	23.940	3539	3549	3556	rBV3	82502	259553	17.37%	1.890%
59	24.675	3667	3674	3681	rVB	24130	58192	3.89%	0.424%
60	24.828	3693	3700	3706	rBV2	28393	73928	4.95%	0.538%
61	24.898	3708	3712	3717	rVV7	13172	26188	1.75%	0.191%
62	24.986	3717	3727	3735	rVB	216923	607258	40.64%	4.422%
63	26.038	3898	3906	3915	rBV5	26357	72440	4.85%	0.528%

Sum of corrected areas: 13731158

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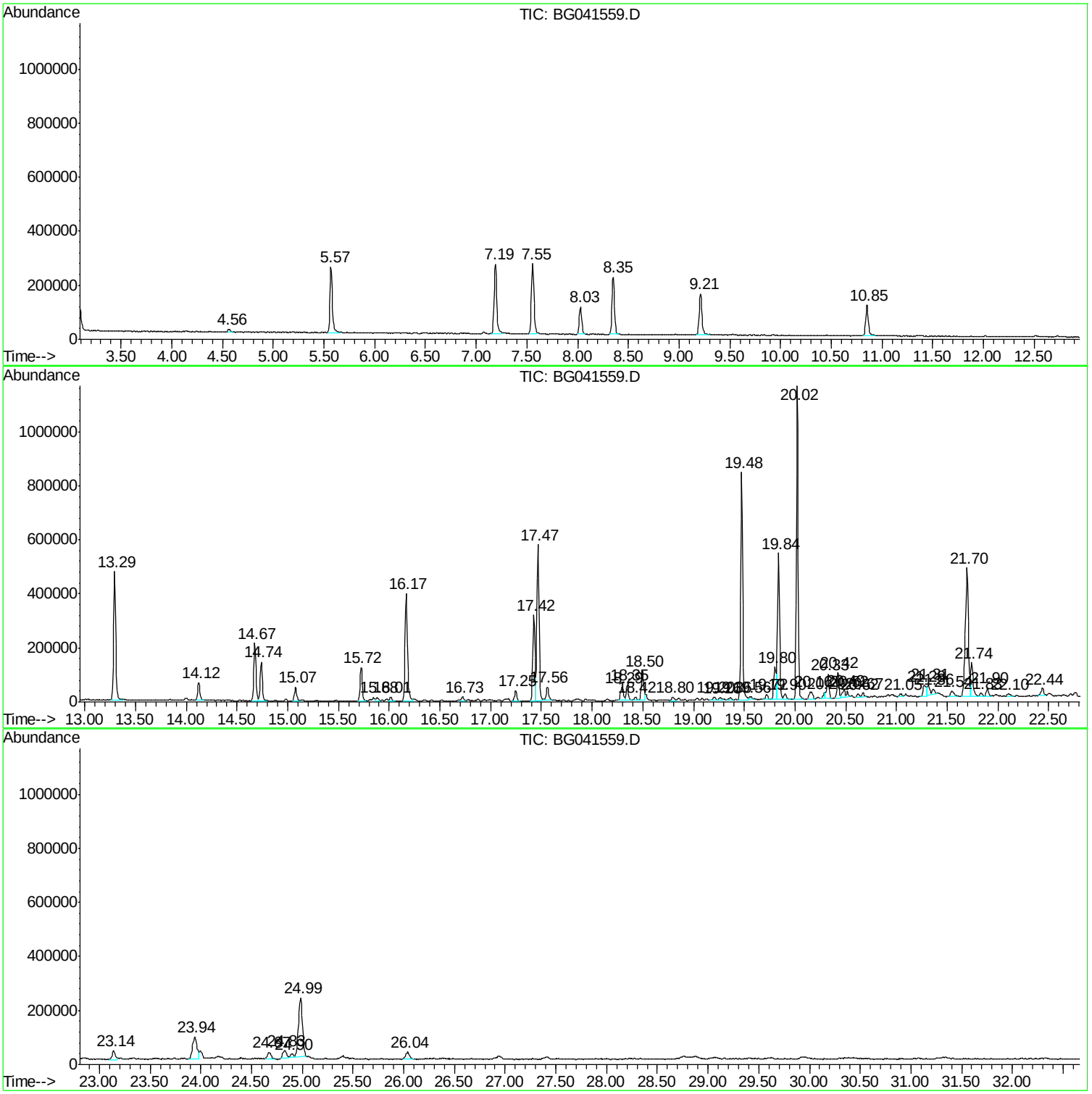
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RT-5124

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070119\
Data File : BG041559.D
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Instrument : BNA_G
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

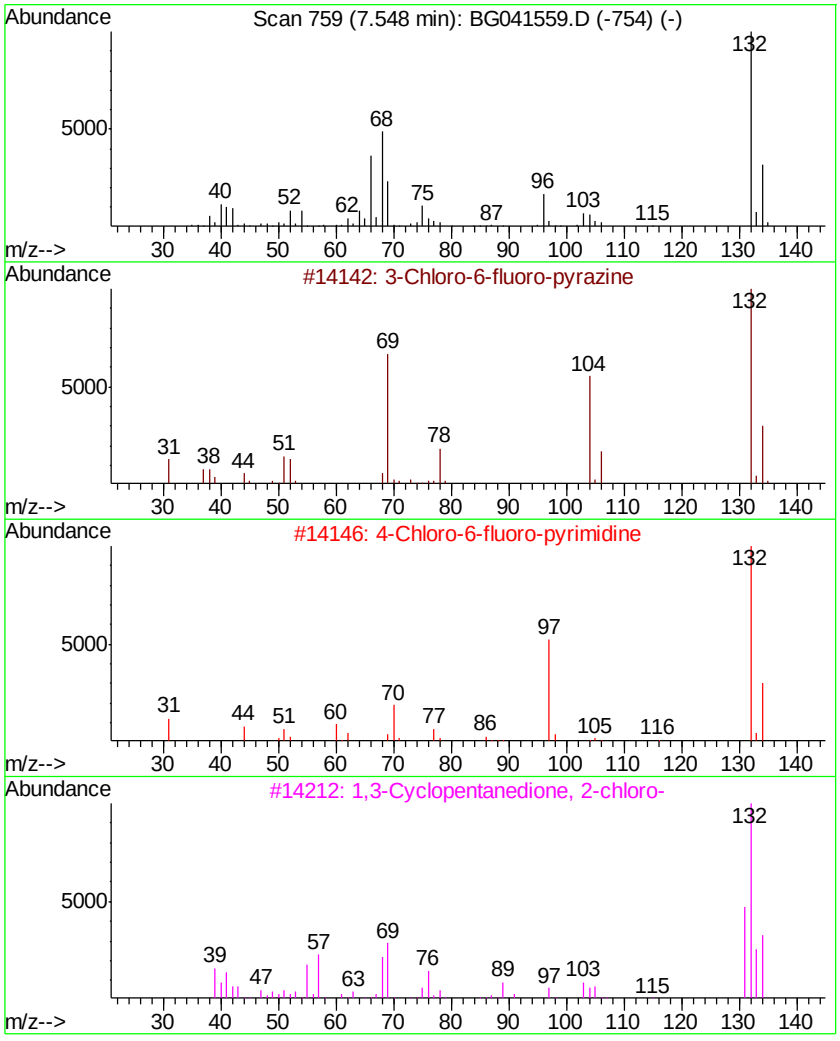
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

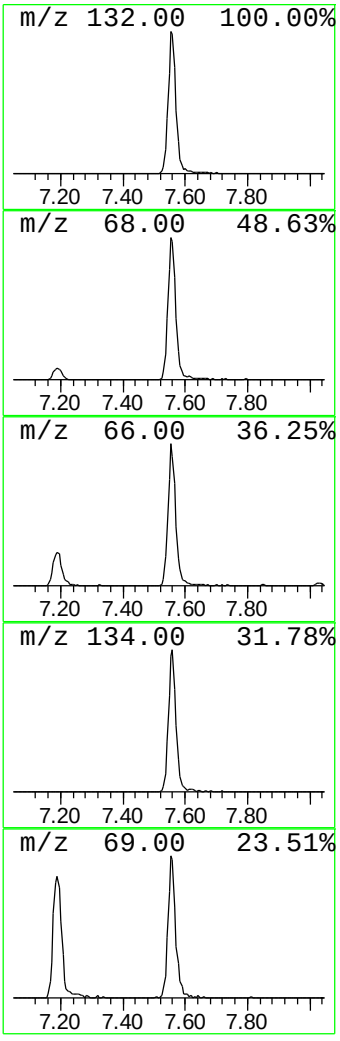
****

Peak Number 1 unknown7.55 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	52.90 ng	453558	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	23
4	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	22
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070119\
Data File : BG041559.D
Acq On : 1 Jul 2019 15:08
Operator : HP/JU
Sample : K3592-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-5124

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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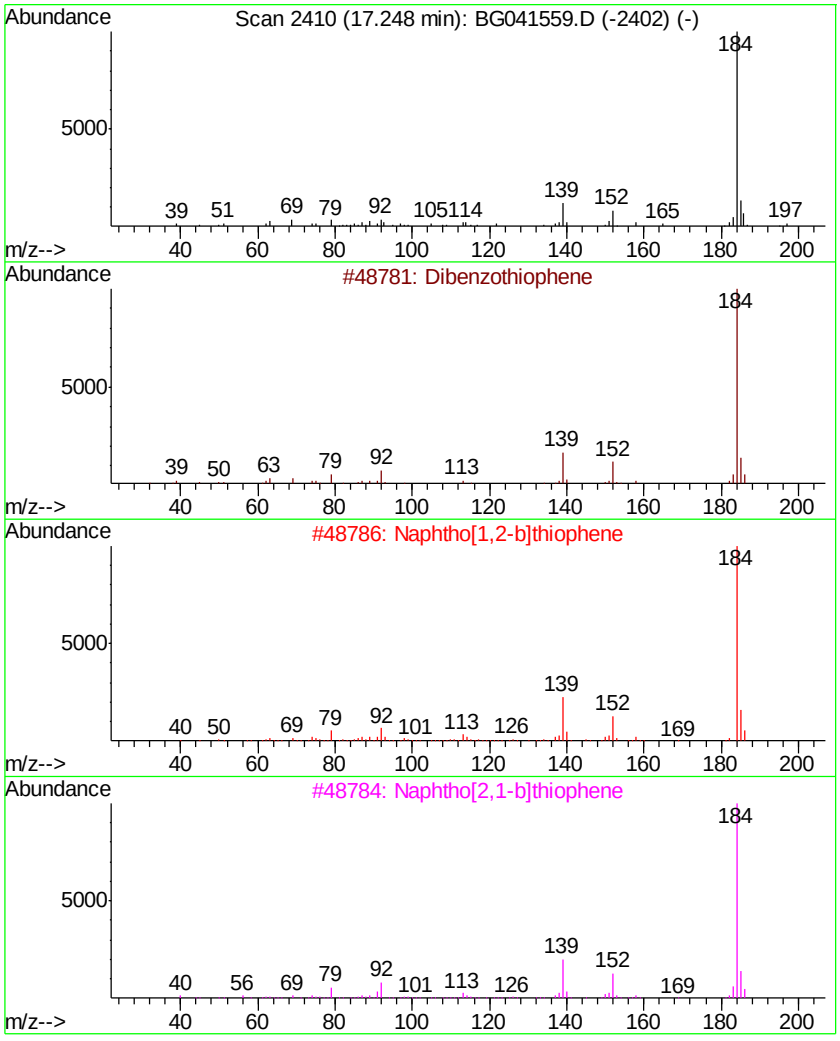
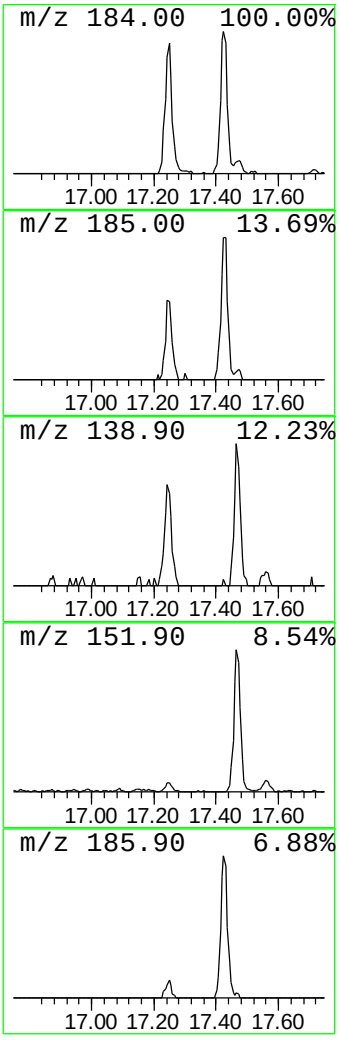
****

Peak Number 3 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	2.45 ng	58951	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070119\
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Sample : K3592-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-5124

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
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TIC Library : C:\Database\NIST11.L
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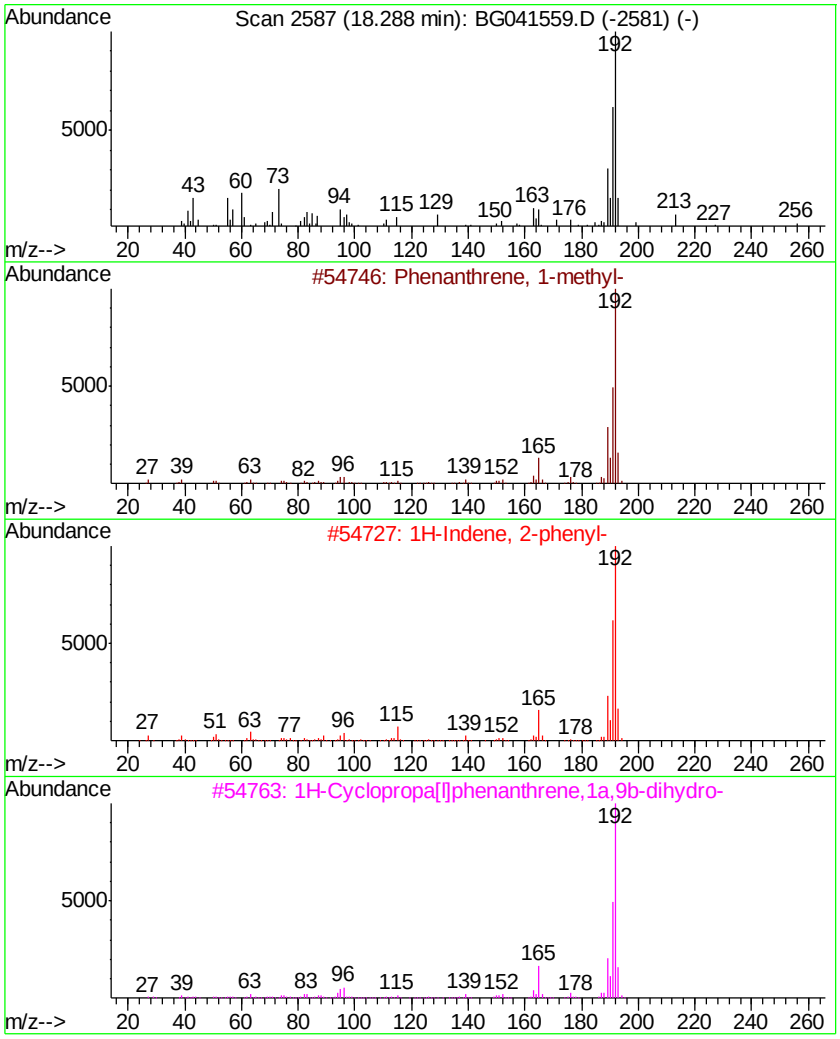
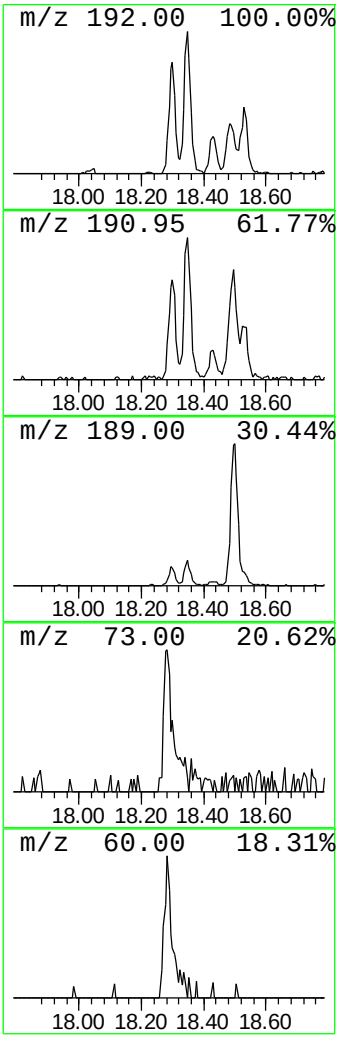
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	4.02 ng	96926	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070119\
Data File : BG041559.D
Acq On : 1 Jul 2019 15:08
Operator : HP/JU
Sample : K3592-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-5124

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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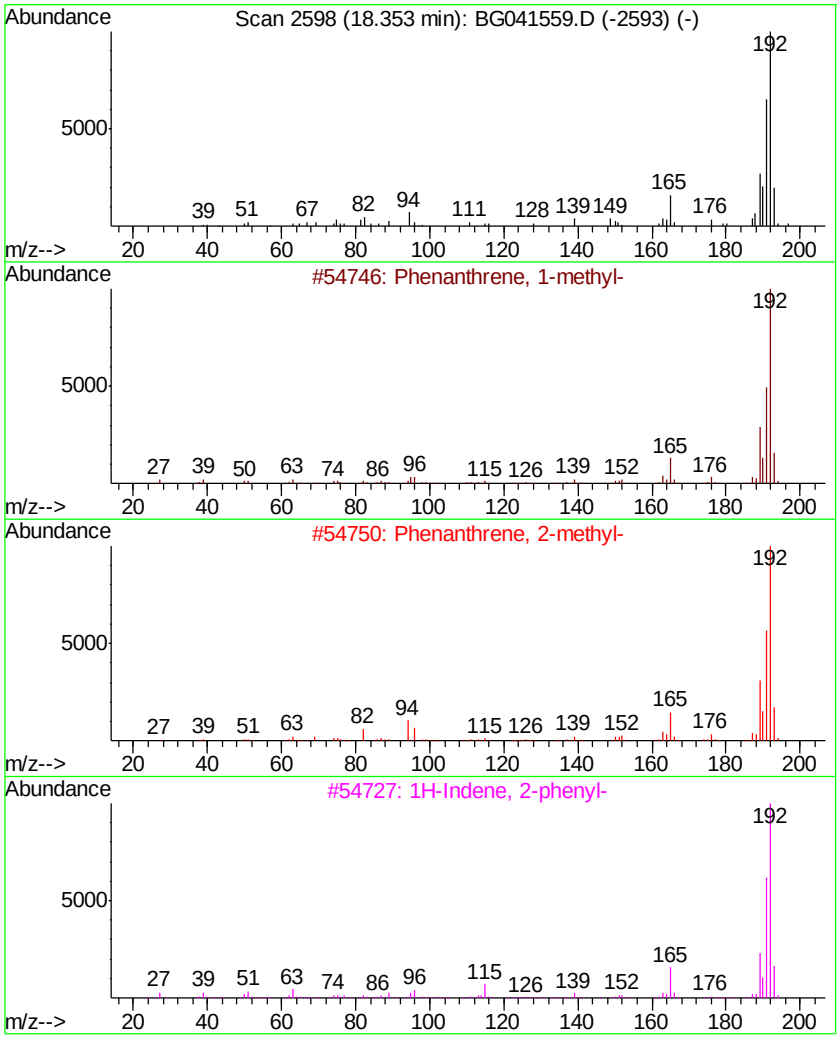
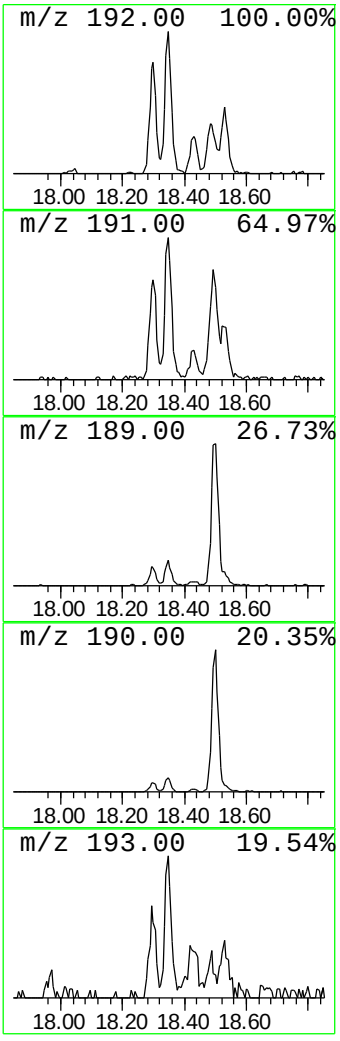
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	3.18 ng	76671	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 1 Jul 2019 15:08
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Sample : K3592-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-5124

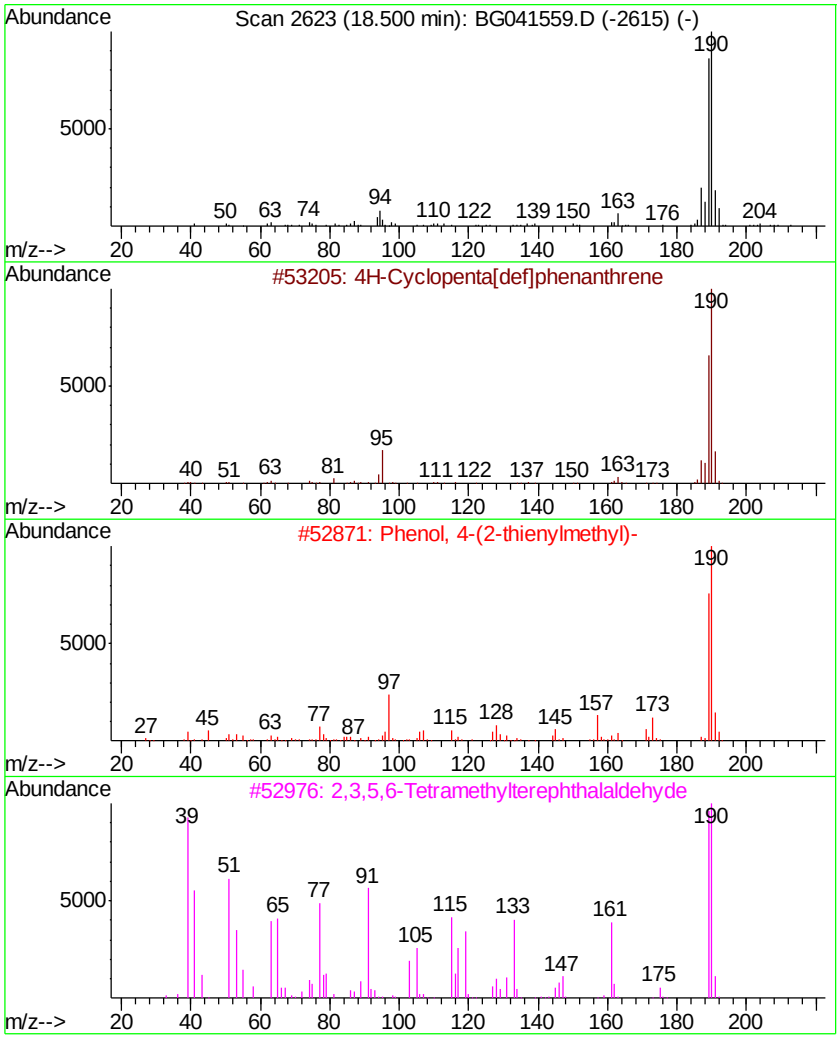
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

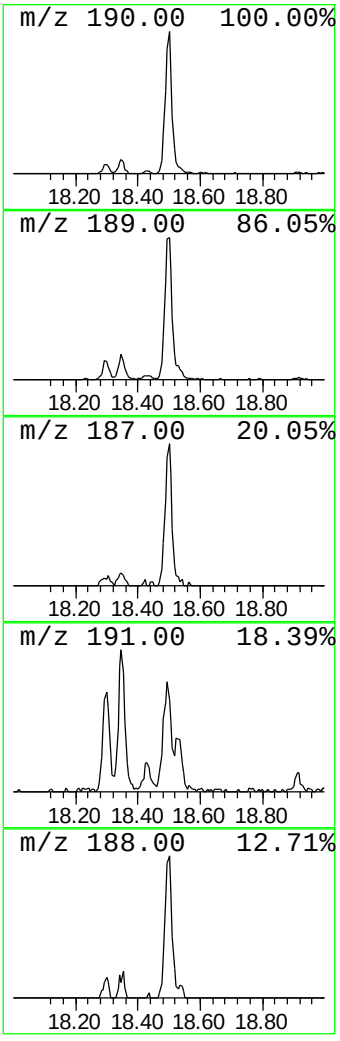
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	7.94 ng	191319	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	72
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	59
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	38





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Sample : K3592-01
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Instrument : BNA_G
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

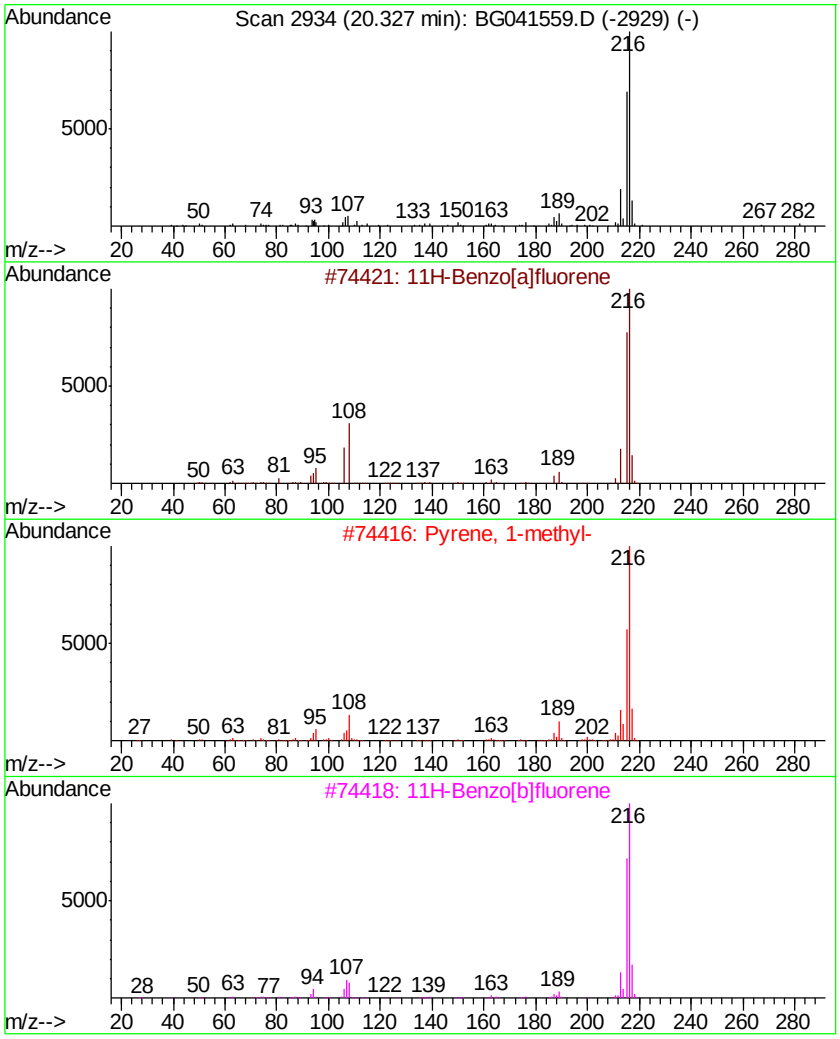
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

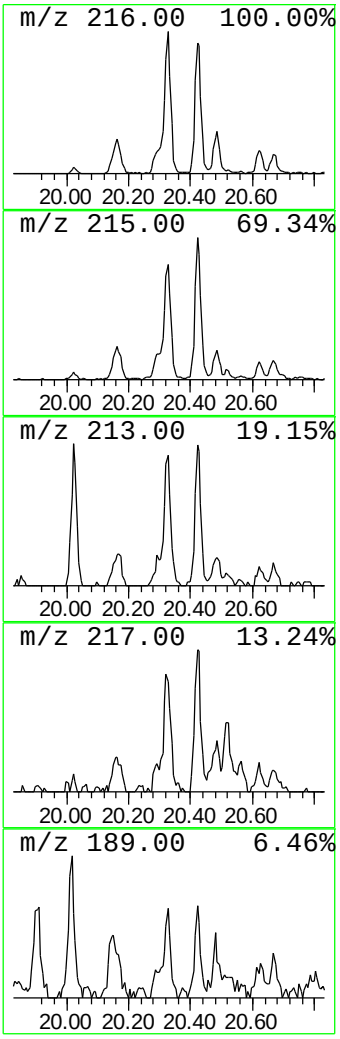
****

Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	2.65 ng	130159	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070119\
Data File : BG041559.D
Acq On : 1 Jul 2019 15:08
Operator : HP/JU
Sample : K3592-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-5124

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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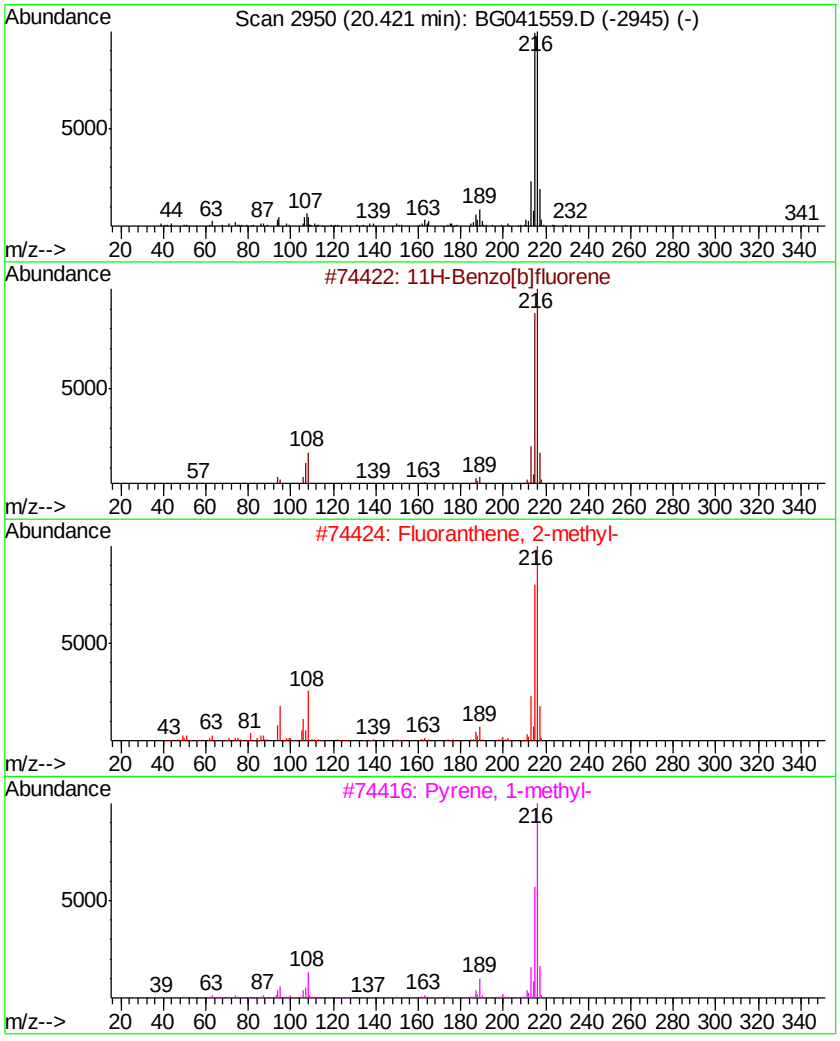
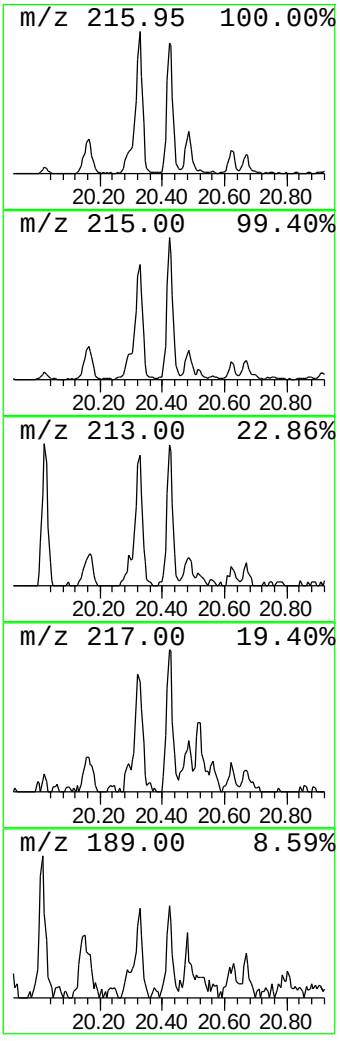
Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	2.76 ng	135920	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	72





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Acq On : 1 Jul 2019 15:08
Operator : HP/JU
Sample : K3592-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-5124

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

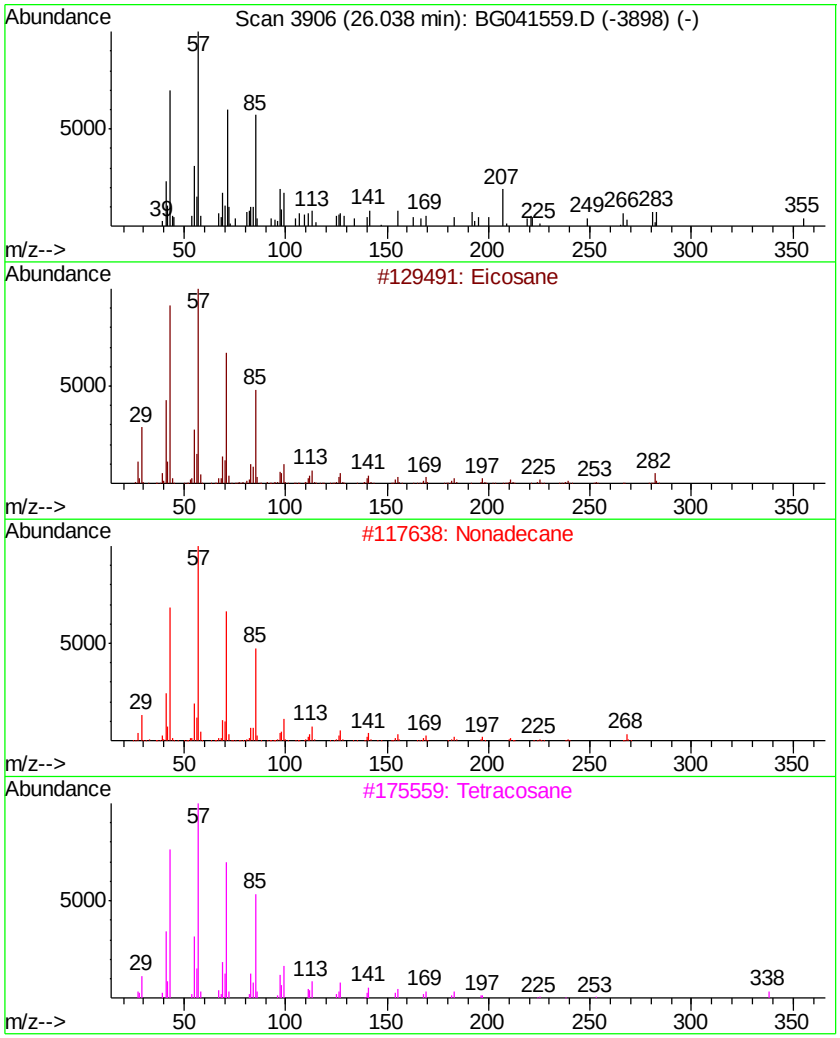
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

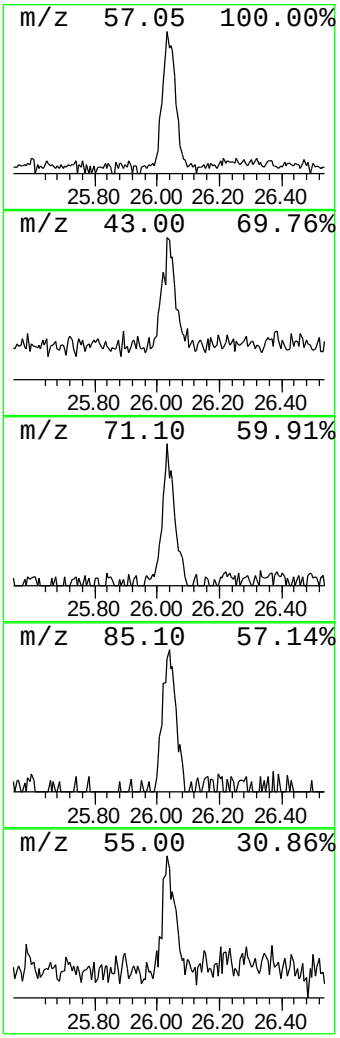
****

Peak Number 9 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.04	2.39 ng	72440	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Nonadecane	268	C19H40	000629-92-5	60
3	Tetracosane	338	C24H50	000646-31-1	60
4	10-Methylnonadecane	282	C20H42	056862-62-5	55
5	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG070119\
Data File : BG041559.D
Acq On : 1 Jul 2019 15:08
Operator : HP/JU
Sample : K3592-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RT-5124

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.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
unknown7.55	7.55	52.9	ng	453558	1	8.03	171477	20.0
Dibenzothiophene	17.25	2.5	ng	58951	4	17.42	481661	20.0
Phenanthrene, 1-m...	18.29	4.0	ng	96926	4	17.42	481661	20.0
Phenanthrene, 2-m...	18.35	3.2	ng	76671	4	17.42	481661	20.0
4H-Cyclopenta[def...	18.50	7.9	ng	191319	4	17.42	481661	20.0
11H-Benzo[a]fluorene	20.33	2.6	ng	130159	5	21.70	983692	20.0
11H-Benzo[b]fluorene	20.42	2.8	ng	135920	5	21.70	983692	20.0
Eicosane	26.04	2.4	ng	72440	6	24.99	607258	20.0