LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

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-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056050.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.388	12	17	23	rBV	23270	33377	4.16%	0.392%
2	5.398	354	359	365	rBB	17574	26298	3.28%	0.309%
3	5.879	435	441	448	rBB	137589	216876	27.06%	2.548%
4	7.489	708	715	723	rBB	143901	247942	30.94%	2.913%
5	8.359	857	863	869	rBB	30178	48573	6.06%	0.571%
6	9.534	1056	1063	1069	rBV	88275	157441	19.65%	1.850%
7	11.191	1338	1345	1352	rBV	42288	74057	9.24%	0.870%
8	13.594	1747	1754	1762	rBB	315157	470170	58.67%	5.524%
9	14.969	1982	1988	1994	rVB	82547	124408	15.52%	1.462%
10	15.033	1994	1999	2003	rBB	6100	9366	1.17%	0.110%
11	15.356	2047	2054	2059	rVB2	4911	8052	1.00%	0.095%
12	16.003	2159	2164	2170	rBV4	7093	12672	1.58%	0.149%
13	16.302	2204	2215	2221	rVB	41350	64361	8.03%	0.756%
14	16.443	2233	2239	2246	rVB	371296	543834	67.86%	6.389%
15	17.225	2365	2372	2376	rBV4	3968	8376	1.05%	0.098%
16	17.354	2388	2394	2400	rVB	12171	19225	2.40%	0.226%
17	17.425	2400	2406	2412	rBV3	7504	11279	1.41%	0.133%
18	17.525	2418	2423	2429	rVB	9953	15559	1.94%	0.183%
19	17.707	2447	2454	2457	rBV	108103	171408	21.39%	2.014%
20	17.748	2457	2461	2468	rVV	167817	242840	30.30%	2.853%
21	17.836	2468	2476	2480	rVV	28039	46909	5.85%	0.551%
22	17.871	2480	2482	2489	rVB4	5122	9373	1.17%	0.110%
23	18.094	2515	2520	2525	rBV	6610	13158	1.64%	0.155%
24	18.218	2536	2541	2544	rBV	9040	11960	1.49%	0.141%
25	18.282	2547	2552	2559	rVB2	13606	21863	2.73%	0.257%
26	18.423	2571	2576	2583	rVB3	6826	13852	1.73%	0.163%
27	18.494	2583	2588	2592	rBV2	5994	9308	1.16%	0.109%
28	18.570	2593	2601	2605	rVV2	50619	118432	14.78%	1.391%
29	18.617	2605	2609	2614	rVV	55438	82309	10.27%	0.967%
30	18.700	2618	2623	2628	rVV	14600	21288	2.66%	0.250%
31	18.758	2628	2633	2637	rVV2	51054	102178	12.75%	1.200%
32	18.799	2637	2640	2645	rVB	40393	55629	6.94%	0.654%
33	18.970	2662	2669	2672	rBV3	7866	12551	1.57%	0.147%
34	19.058	2678	2684	2687	rBV	37055	51605	6.44%	0.606%
35	19.099	2687	2691	2702	rVB	40989	62060	7.74%	0.729%
36	19.181	2702	2705	2707	rBV2	6686	8778	1.10%	0.103%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

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-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.299	2715	2725	2729	rBV4	16482	30656	3.83%	0.360%
38	19.352	2730	2734	2737	rVB	8584	9846	1.23%	0.116%
39	19.387	2737	2740	2746	rVB4	13388	18740	2.34%	0.220%
40	19.469	2749	2754	2758	rBV	33673	54491	6.80%	0.640%
41	19.534	2759	2765	2768	rBV2	11093	22765	2.84%	0.267%
42	19.610	2773	2778	2786	rBV3	30042	56716	7.08%	0.666%
43	19.734	2794	2799	2804	rVB	245941	344906	43.04%	4.052%
44	19.787	2804	2808	2809	rVV3	9006	11187	1.40%	0.131%
45	19.822	2812	2814	2819	rVB3	13350	19648	2.45%	0.231%
46	19.922	2827	2831	2834	rVV3	16704	22647	2.83%	0.266%
47	19.975	2835	2840	2848	rVV2	11058	25905	3.23%	0.304%
48	20.063	2850	2855	2856	rVV	36926	53206	6.64%	0.625%
49	20.098	2856	2861	2867	rVV	291791	423957	52.90%	4.981%
50	20.157	2867	2871	2877	rVB	20770	33149	4.14%	0.389%
51	20.274	2883	2891	2896	rBV	582723	801428	100.00%	9.415%
52	20.327	2896	2900	2903	rVB3	9278	15563	1.94%	0.183%
53	20.415	2907	2915	2921	rBV3	33481	85609	10.68%	1.006%
54	20.574	2931	2942	2947	rVB3	37508	108360	13.52%	1.273%
55	20.674	2952	2959	2963	rBV3	18114	34048	4.25%	0.400%
56	20.738	2963	2970	2973	rBV3	41685	68439	8.54%	0.804%
57	20.815	2979	2983	2987	rVB5	7823	13241	1.65%	0.156%
58	20.879	2989	2994	2997	rVV	34981	49773	6.21%	0.585%
59	20.926	2998	3002	3011	rVB	37027	59804	7.46%	0.703%
60	21.144	3035	3039	3041	rBV4	7145	9952	1.24%	0.117%
61	21.173	3042	3044	3049	rVB5	7451	12363	1.54%	0.145%
62	21.361	3071	3076	3082	rVB	39392	61856	7.72%	0.727%
63	21.543	3102	3107	3108	rBV4	17968	27241	3.40%	0.320%
64	21.602	3113	3117	3122	rVV2	47443	90145	11.25%	1.059%
65	21.661	3122	3127	3131	rVV2	23683	43387	5.41%	0.510%
66	21.714	3131	3136	3143	rVB2	33967	62476	7.80%	0.734%
67	21.990	3176	3183	3190	rBV2	177713	495664	61.85%	5.823%
68	22.060	3190	3195	3202	rVB	136099	244904	30.56%	2.877%
69	22.225	3218	3223	3228	rBV4	16287	27504	3.43%	0.323%
70	22.290	3232	3234	3239	rVB5	6778	9430	1.18%	0.111%
71	22.436	3255	3259	3266	rBV3	12464	24546	3.06%	0.288%
72	22.701	3300	3304	3309	rBV2	10484	20066	2.50%	0.236%
73	22.789	3314	3319	3325	rVV2	39585	84828	10.58%	0.997%
74	22.865	3327	3332	3340	rVB2	25379	55065	6.87%	0.647%
75	23.083	3363	3369	3372	rBV	17432	33120	4.13%	0.389%
76	23.241	3389	3396	3405	rVB4	13866	37070	4.63%	0.436%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

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-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	23.735	3471	3480	3482	rBV10	8993	23077	2.88%	0.271%
78	24.387	3580	3591	3598	rBV3	91351	344025	42.93%	4.042%
79	24.657	3631	3637	3647	rVB	20333	51731	6.45%	0.608%
80	24.892	3670	3677	3686	rBV	16370	55527	6.93%	0.652%
81	25.169	3716	3724	3737	rVB2	62401	192461	24.01%	2.261%
82	25.333	3741	3752	3761	rVB2	88444	269989	33.69%	3.172%
83	25.498	3769	3780	3788	rBV2	75818	236632	29.53%	2.780%
84	26.308	3914	3918	3919	rBV3	11836	11225	1.40%	0.132%
85	26.755	3990	3994	4002	rBV3	5646	14665	1.83%	0.172%
86	29.505	4449	4462	4487	rVB3	47454	277834	34.67%	3.264%
87	30.768	4661	4677	4691	rBV2	34684	183666	22.92%	2.158%

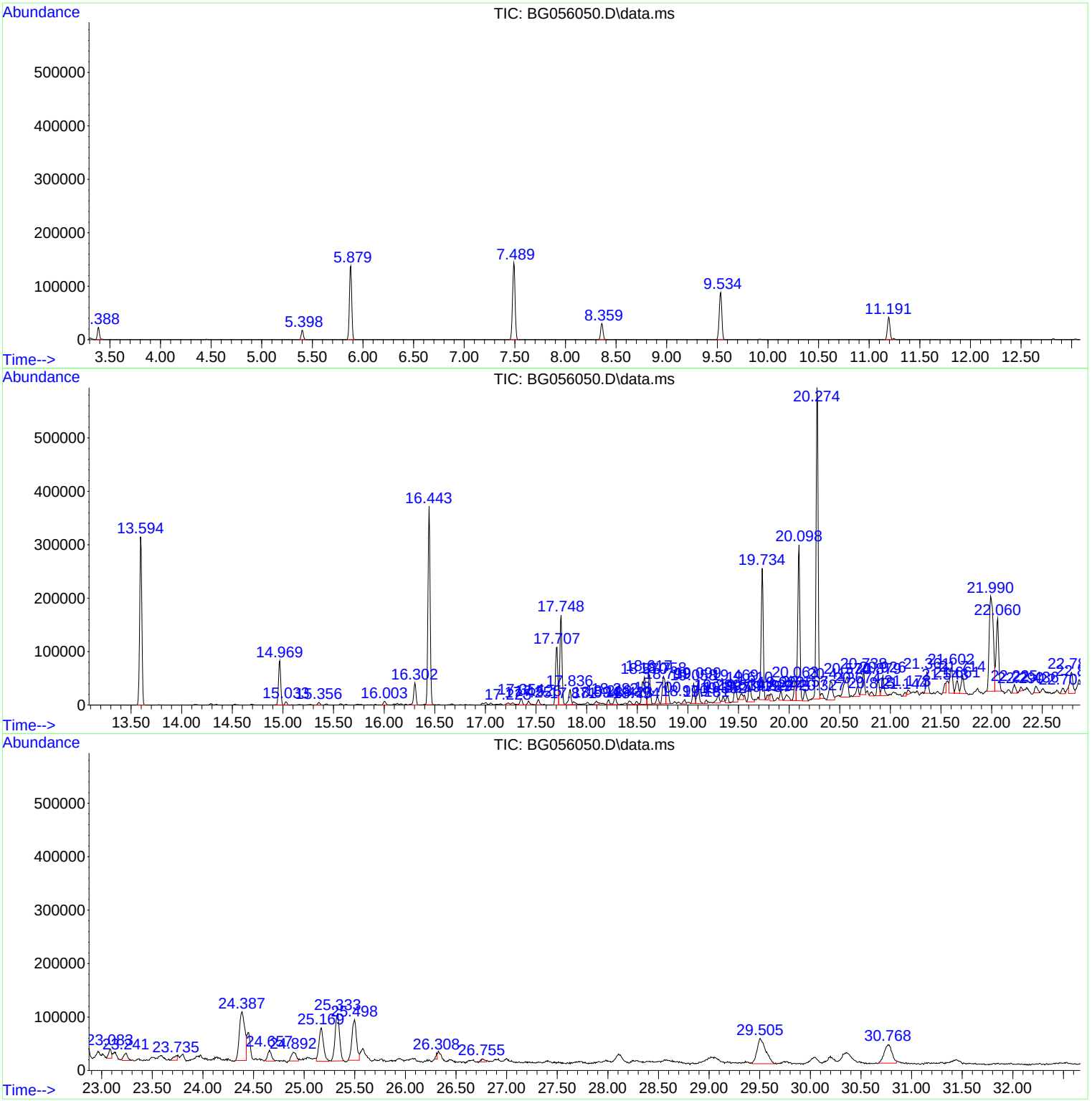
Sum of corrected areas: 8511900

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

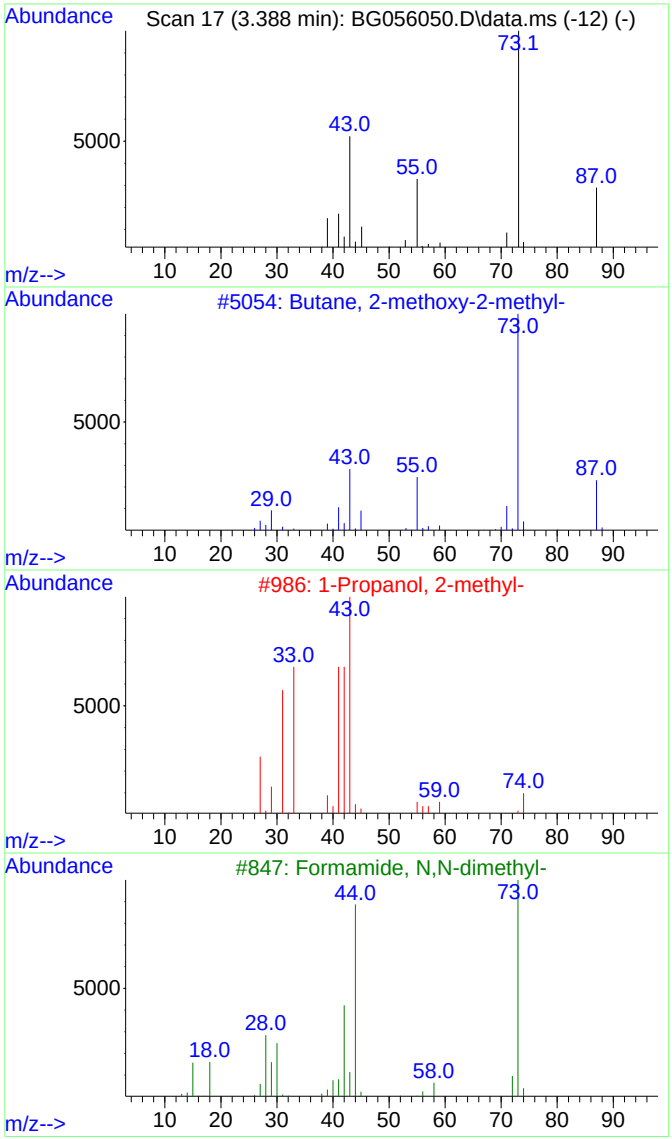
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

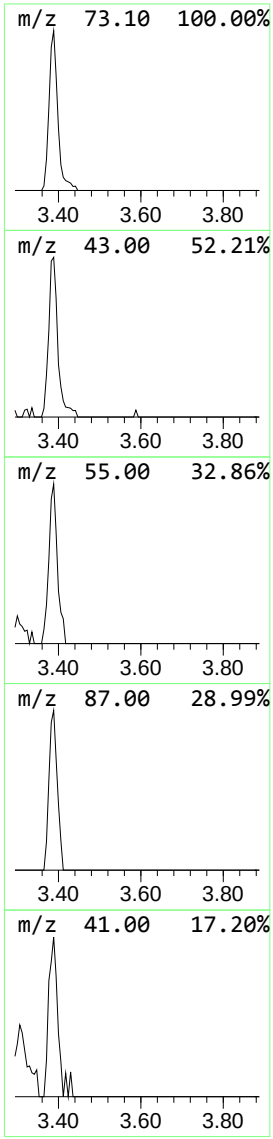
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.388	13.74 ng	33377	1,4-Dichlorobenzene-d4	8.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
3	Formamide, N,N-dimethyl-	73	C3H7NO	000068-12-2	9
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	4-Ethoxy-2-butanone	116	C6H12O2	060044-74-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

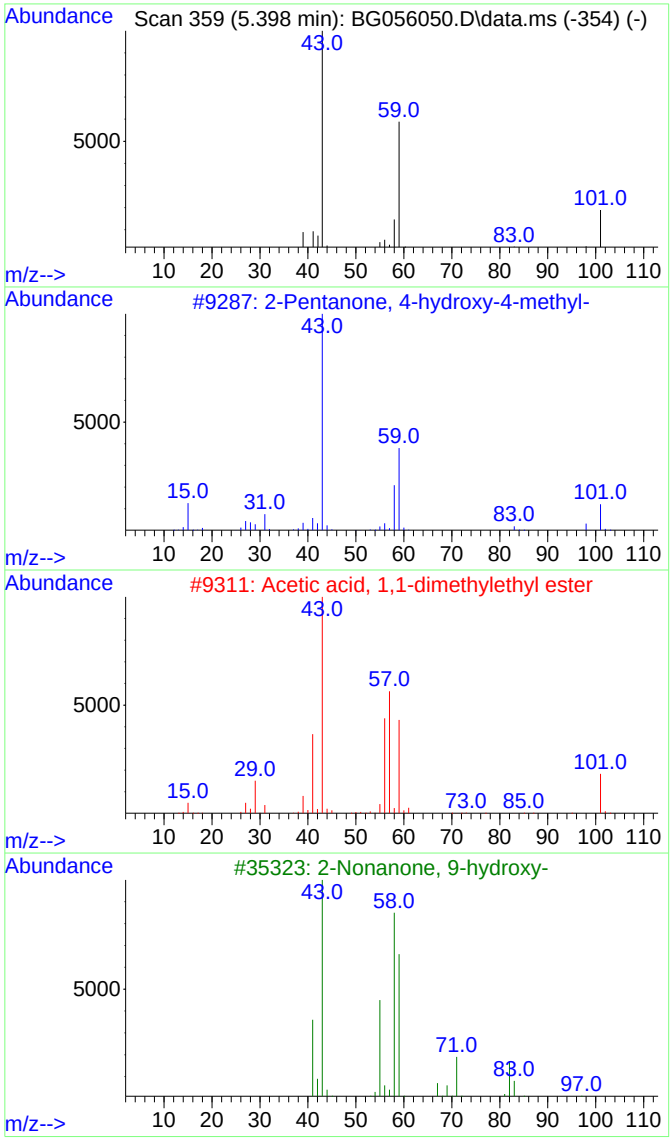
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

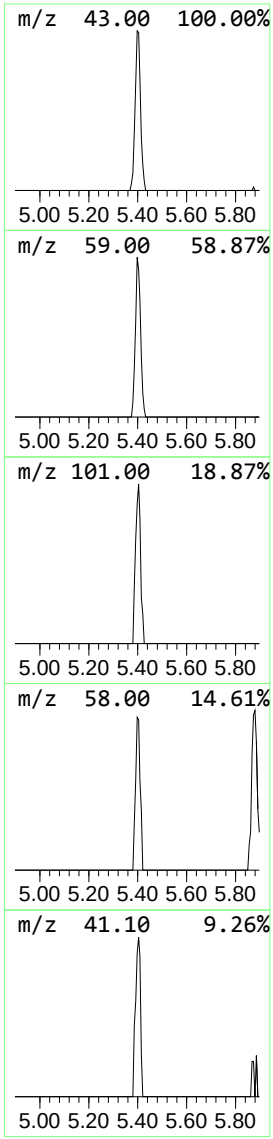
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.398	10.83 ng	26298	1,4-Dichlorobenzene-d4	8.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

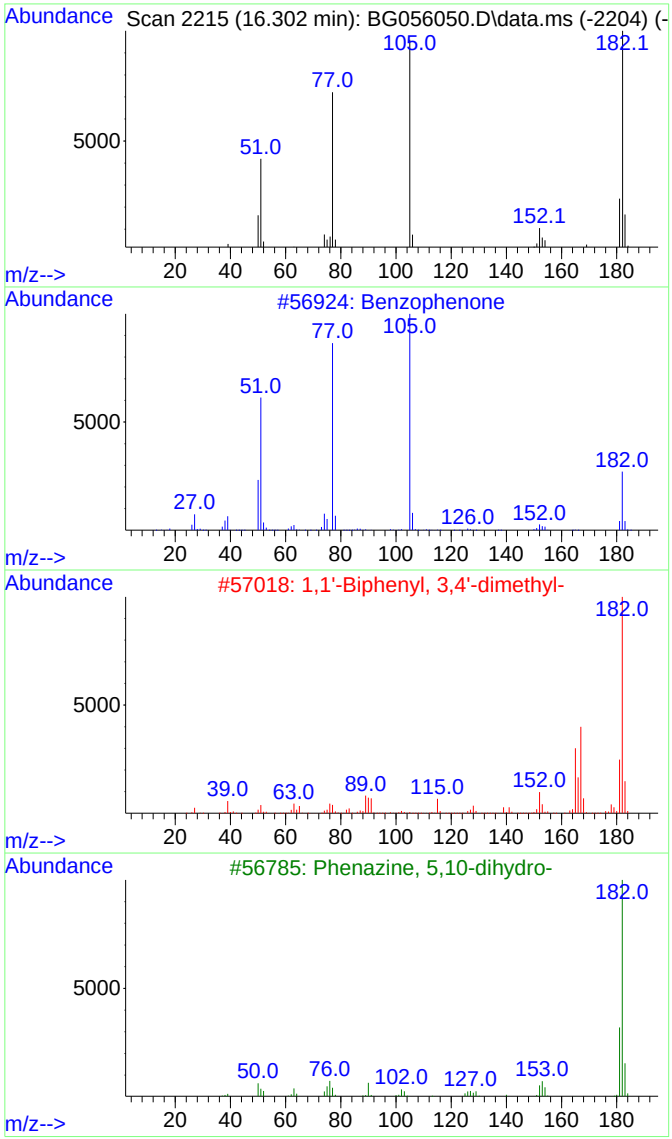
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

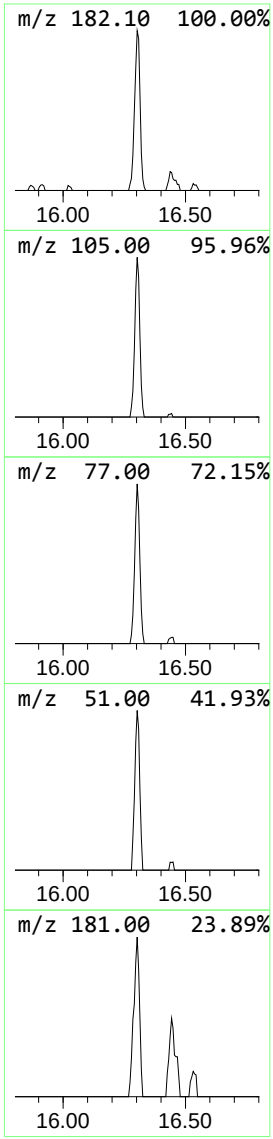
****

Peak Number 3 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.302	10.35 ng	64361	Acenaphthene-d10	14.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46
3	Phenazine, 5,10-dihydro-	182	C12H10N2	000613-32-1	46
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	43
5	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

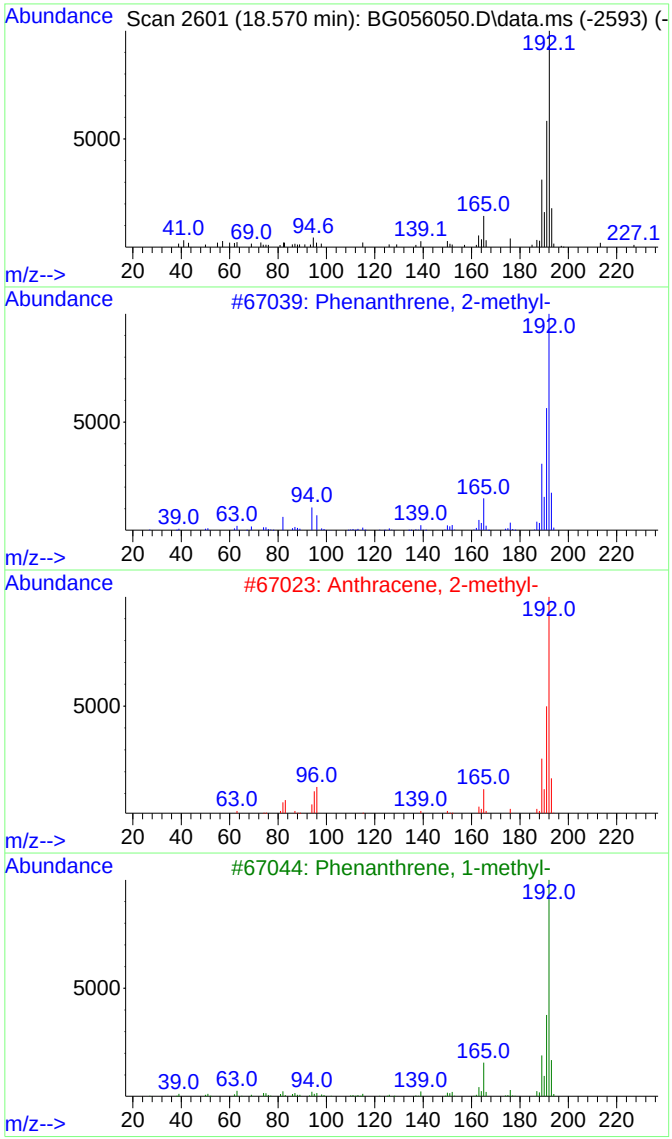
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

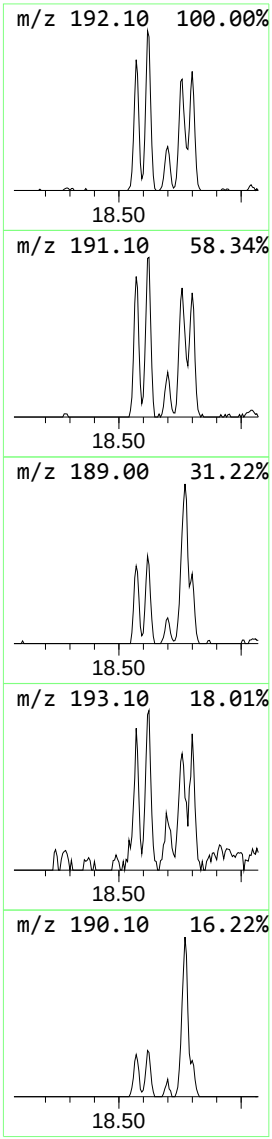
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.570	13.82 ng	118432	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

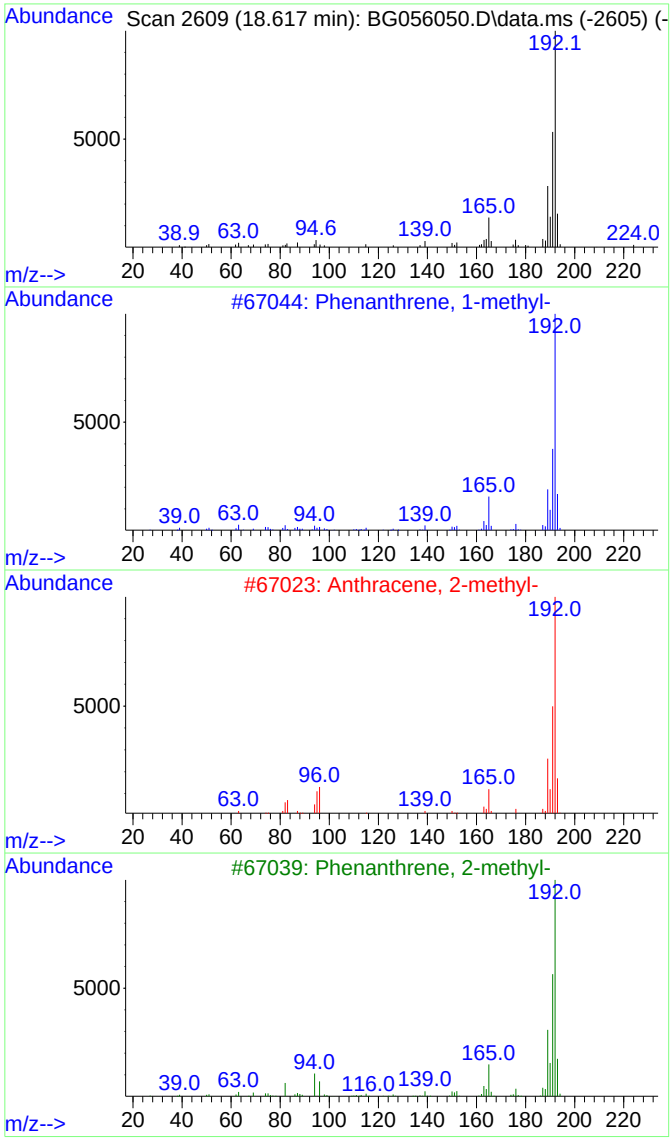
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

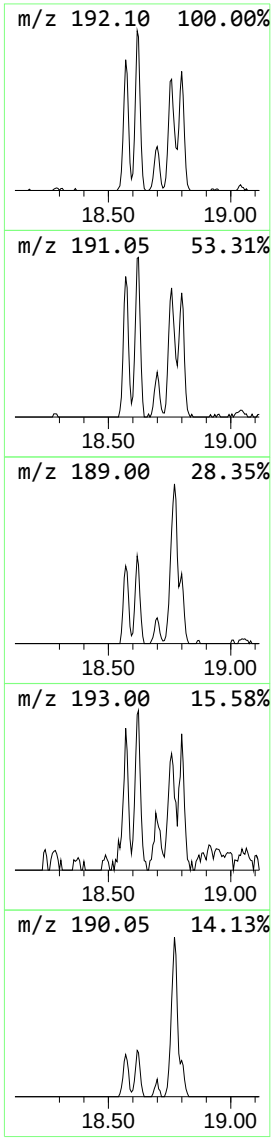
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.617	9.60 ng	82309	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

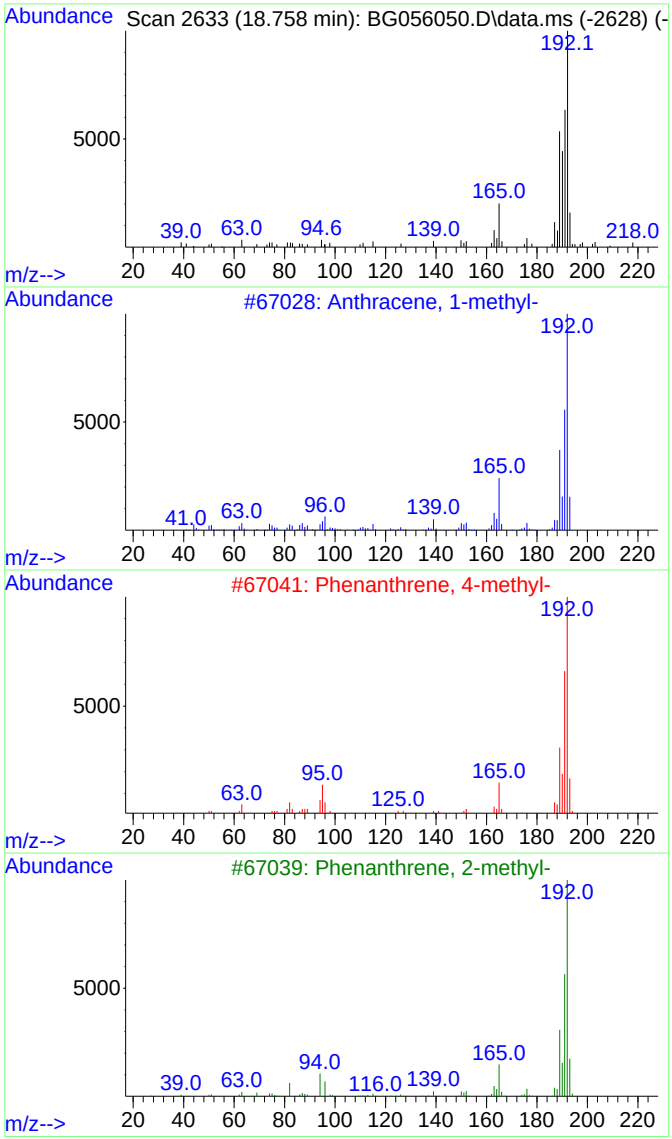
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

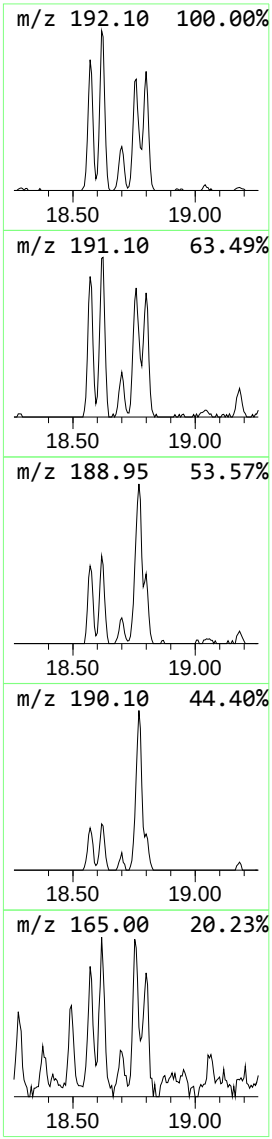
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.758	11.92 ng	102178	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

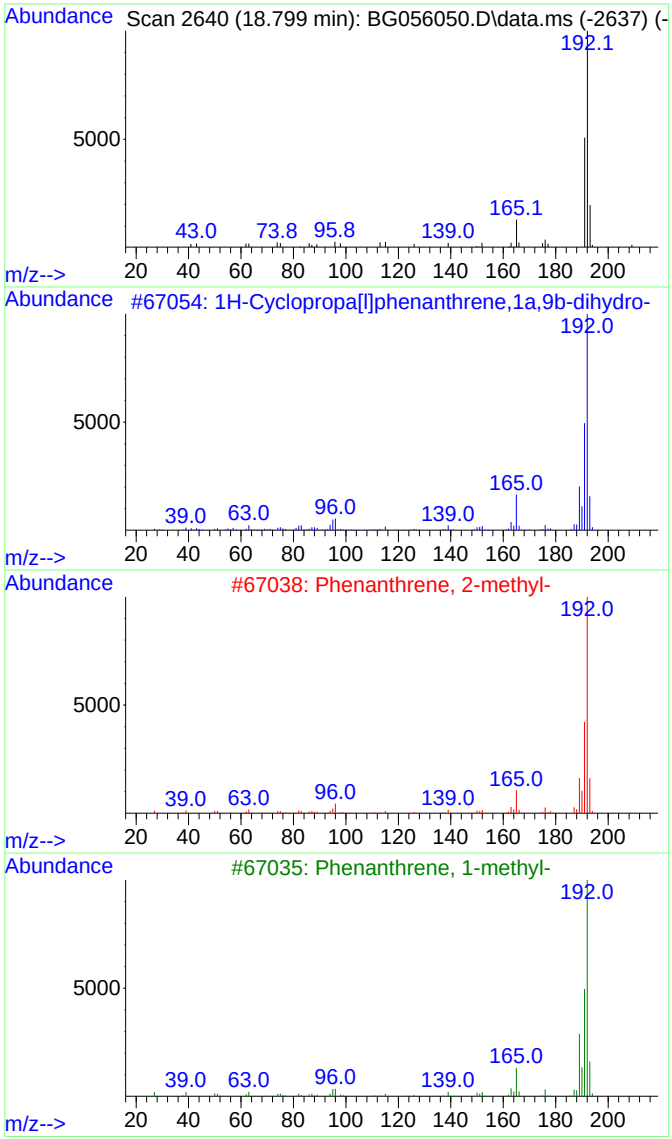
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

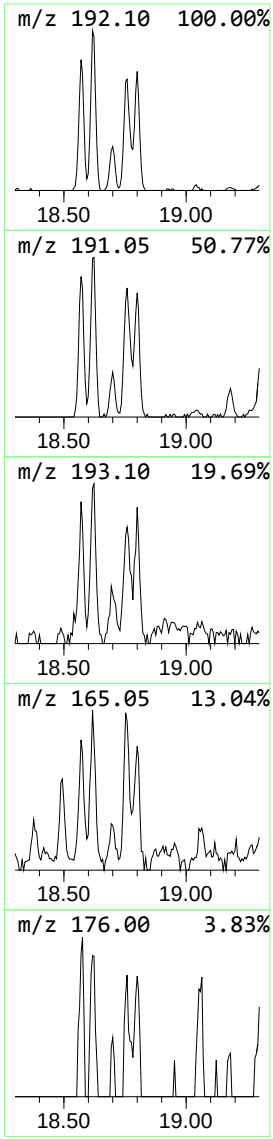
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.799	6.49 ng	55629	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91





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Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

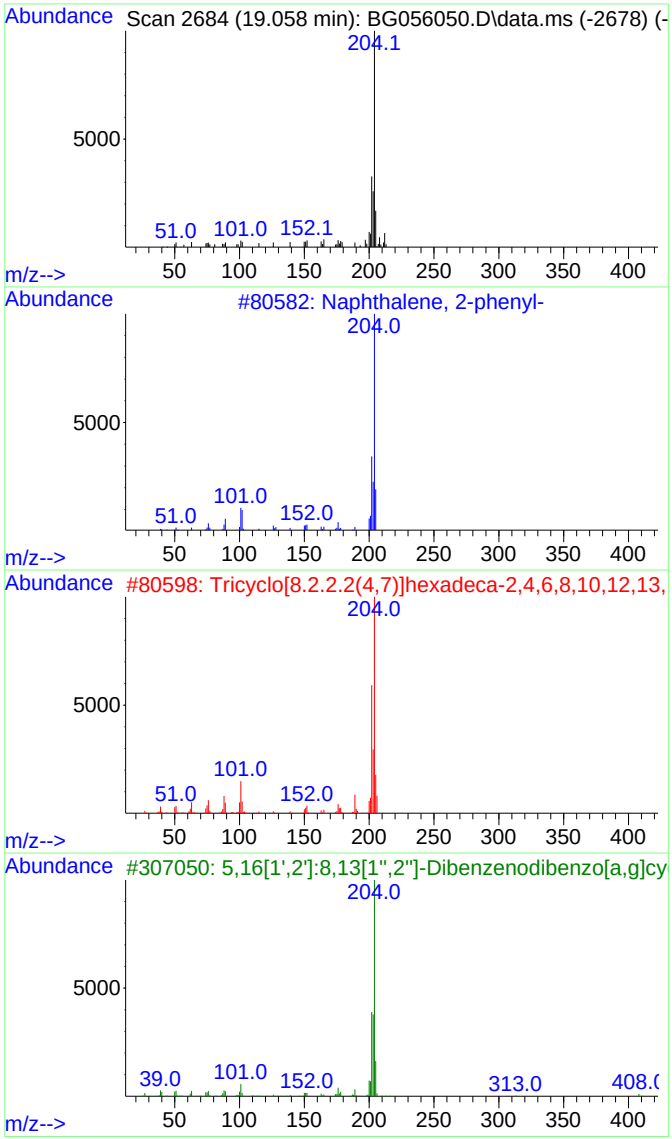
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

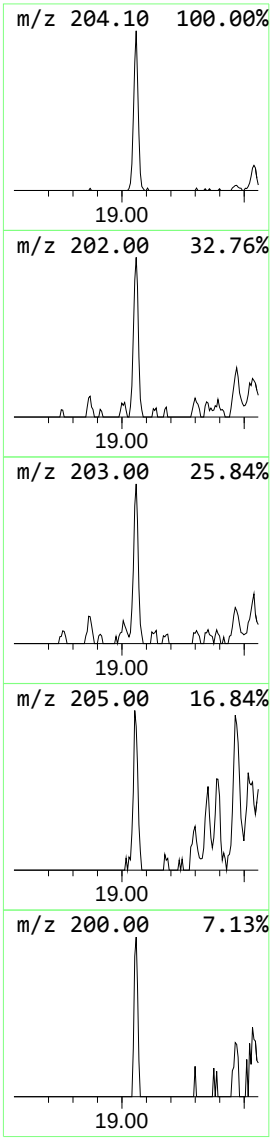
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.058	6.02 ng	51605	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	59
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	56
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





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Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

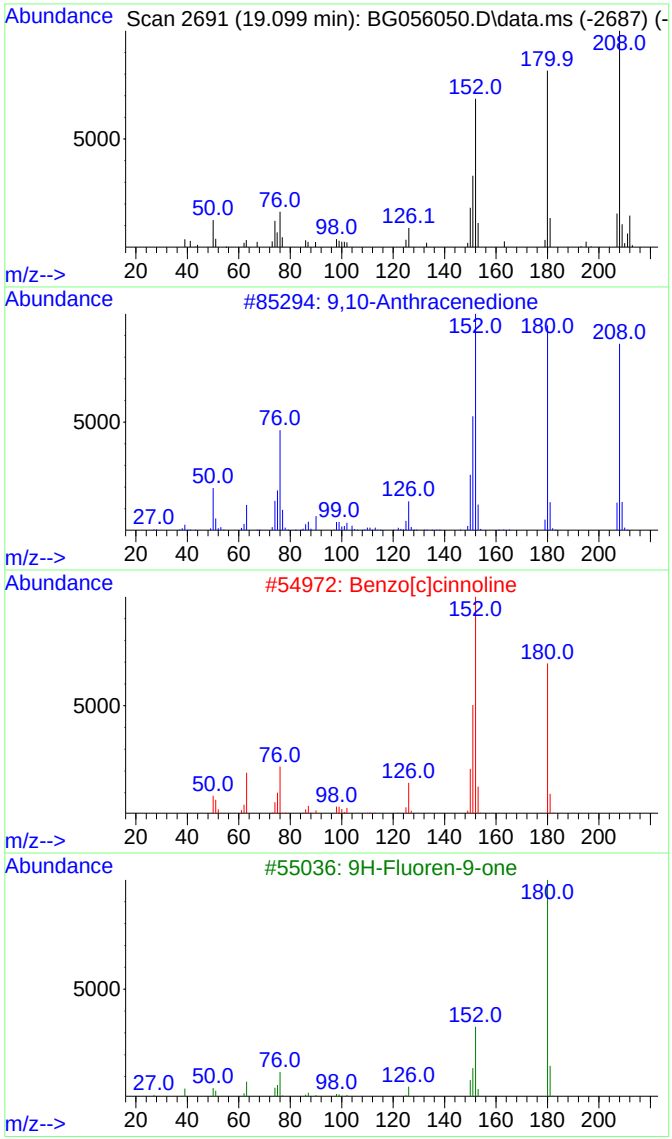
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

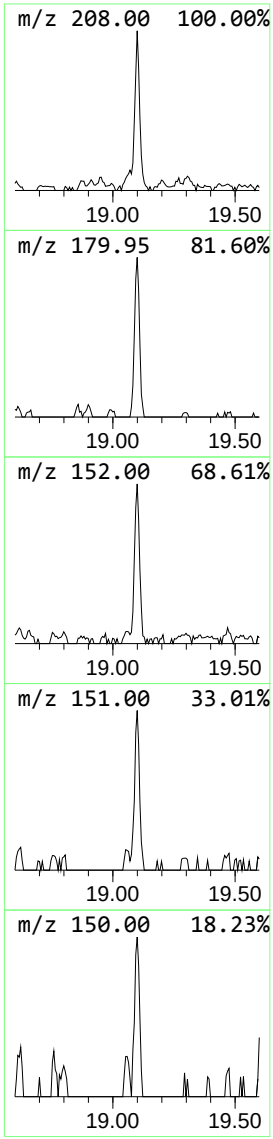
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.099	7.24 ng	62060	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	43





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Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

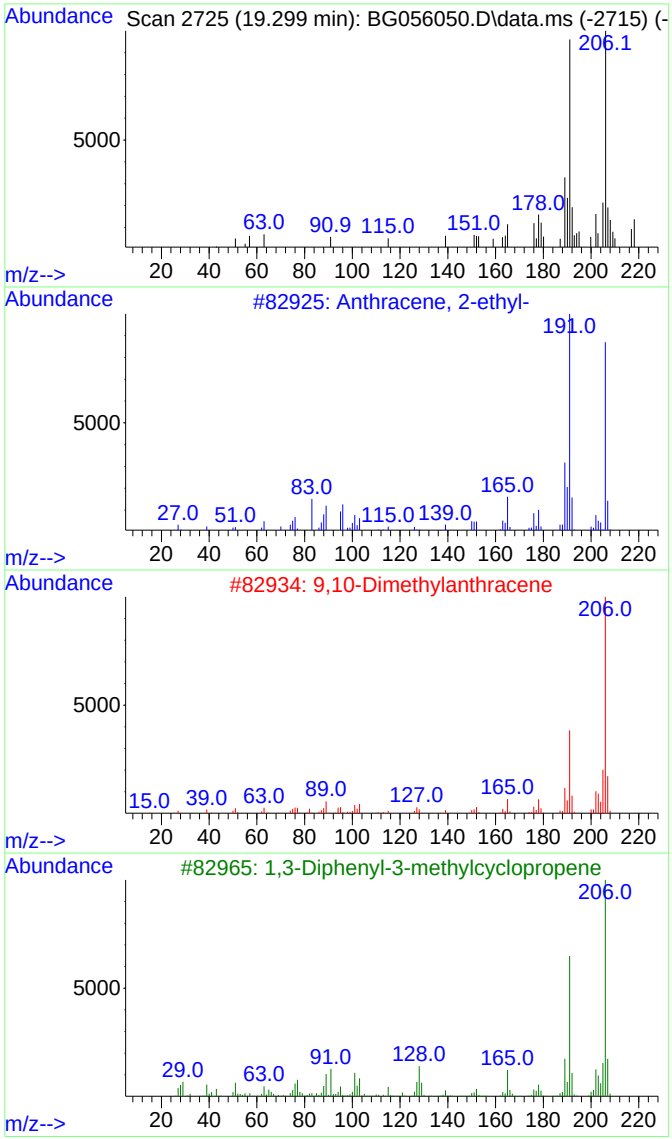
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

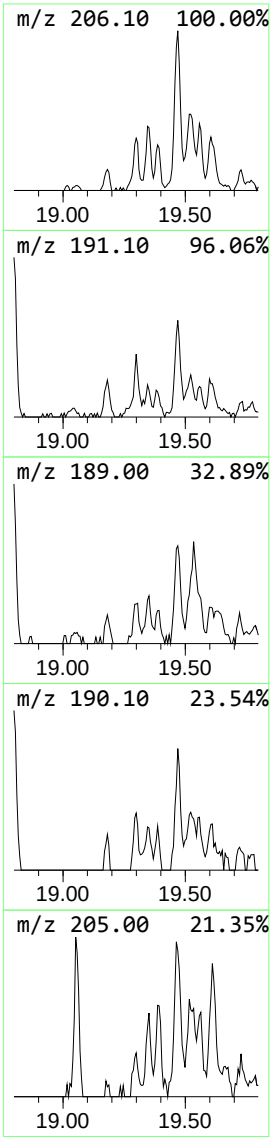
****

Peak Number 10 Anthracene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.299	3.58 ng	30656	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	80
4	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	72
5	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

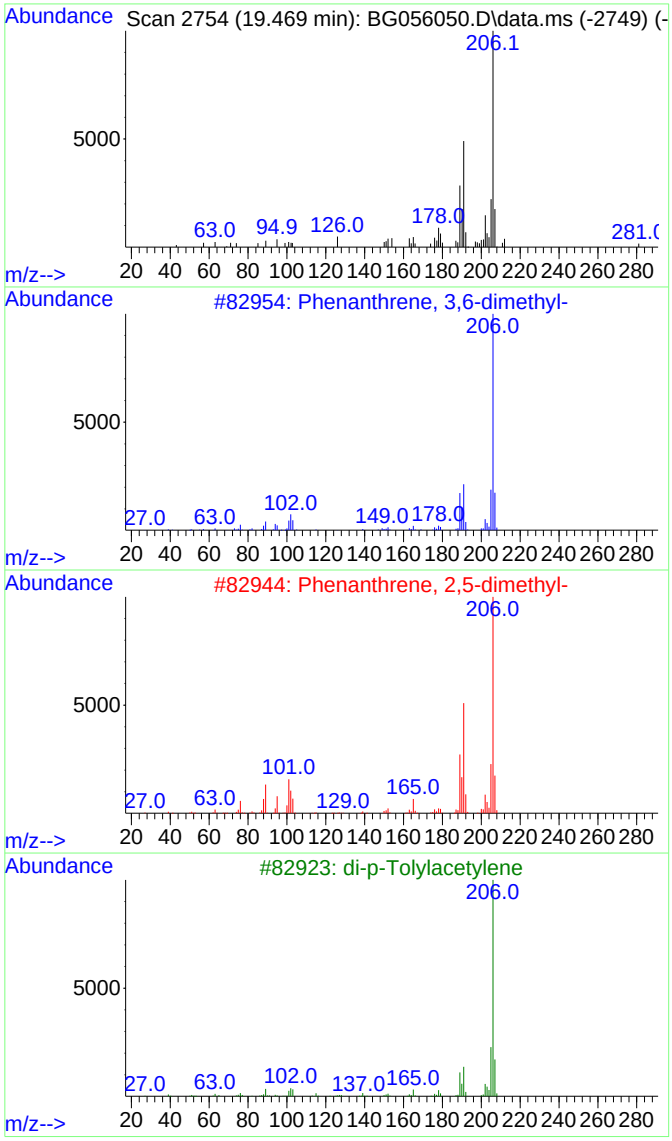
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

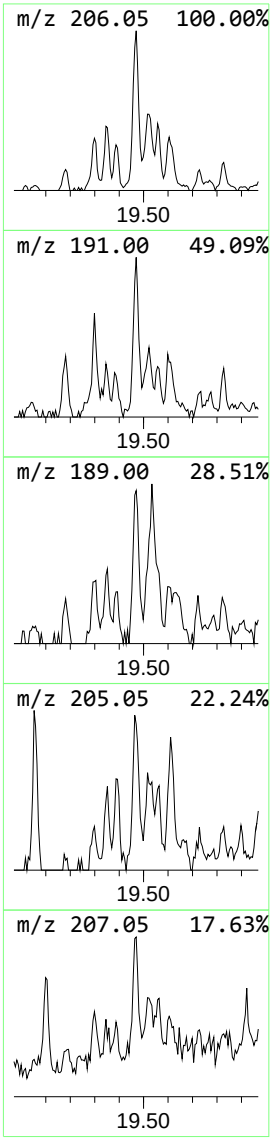
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.469	6.36 ng	54491	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

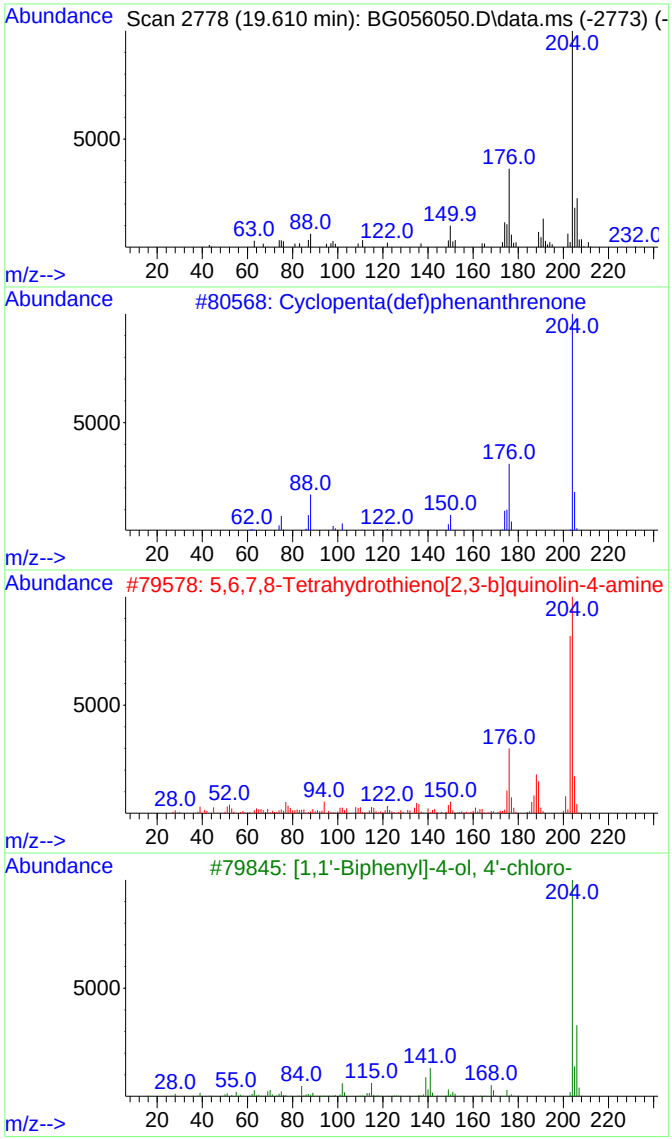
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

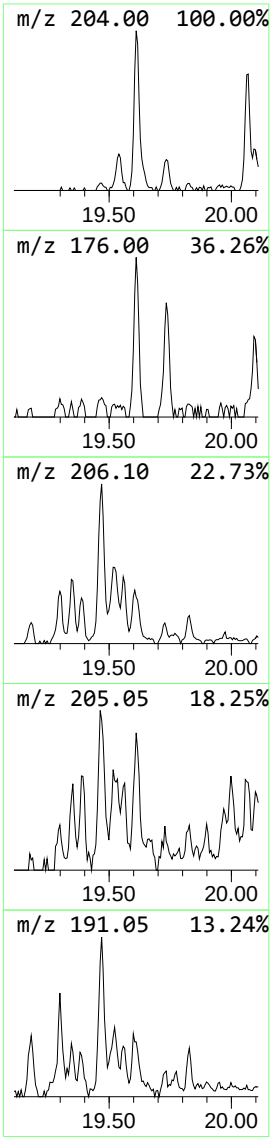
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.610	6.62 ng	56716	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	74
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	50
4	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	47
5	L-Rhamnose, 4TMS derivative	452	C18H44O5Si4	019127-15-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

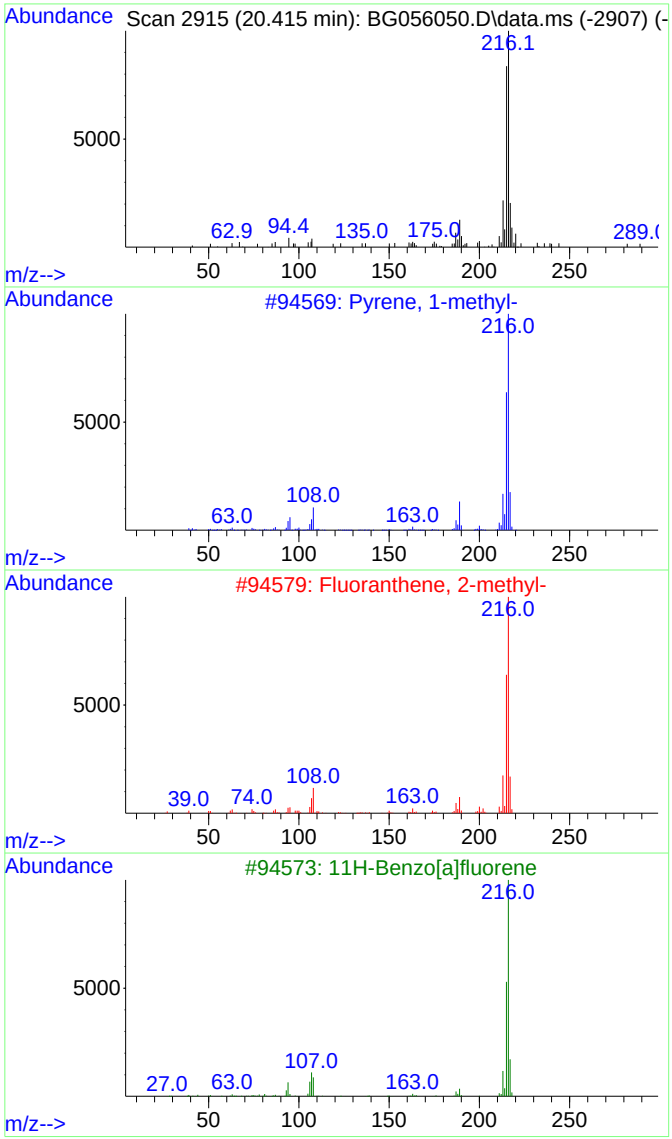
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

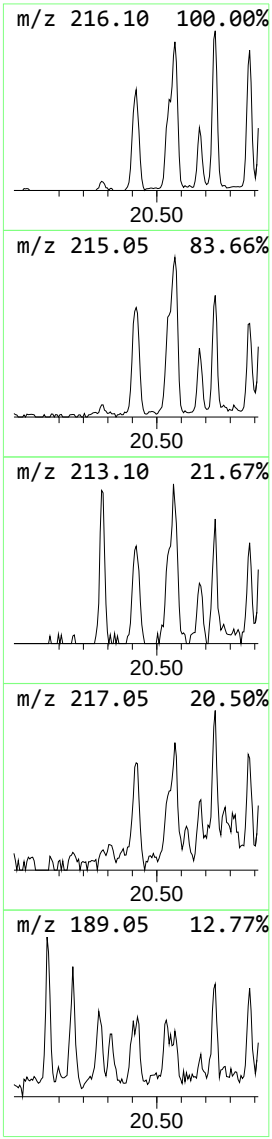
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.415	3.45 ng	85609	Chrysene-d12	22.008

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

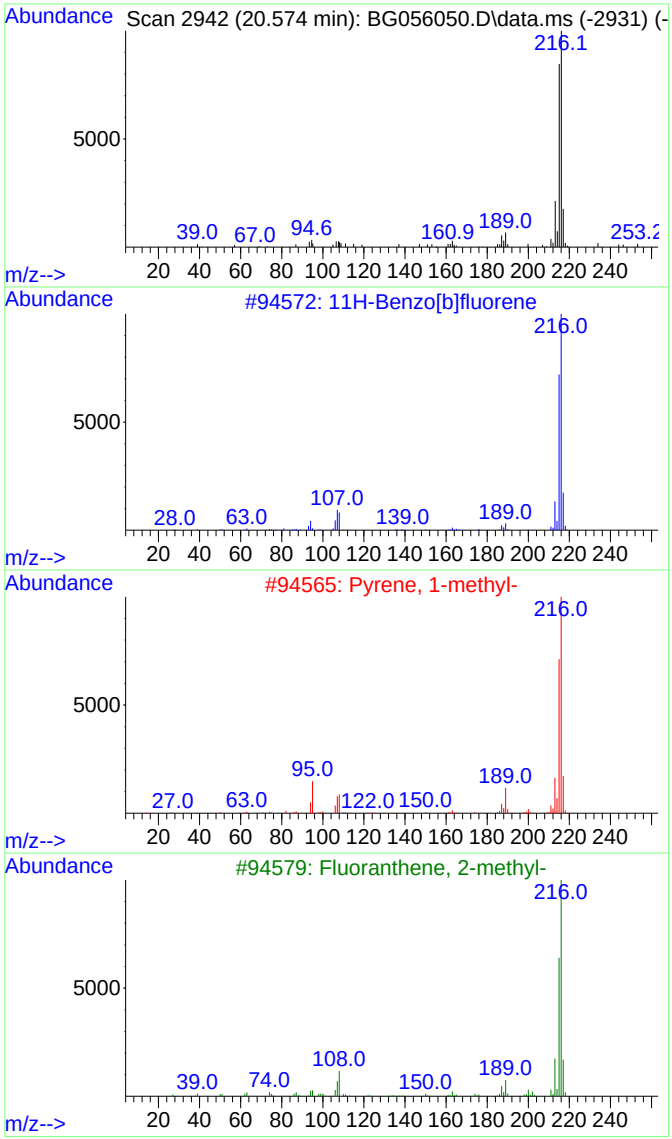
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

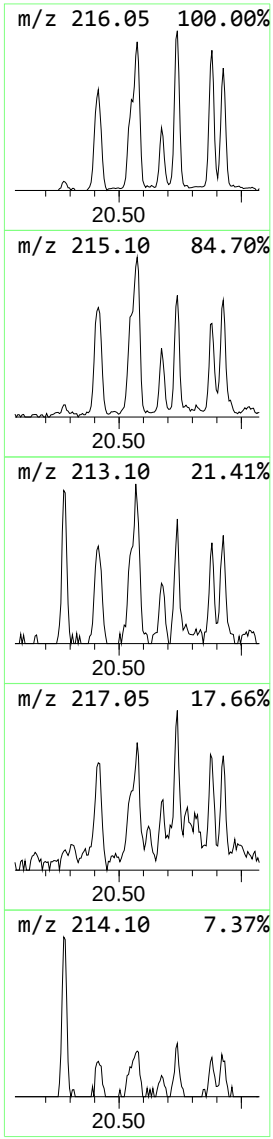
****

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.574	4.37 ng	108360	Chrysene-d12	22.008

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

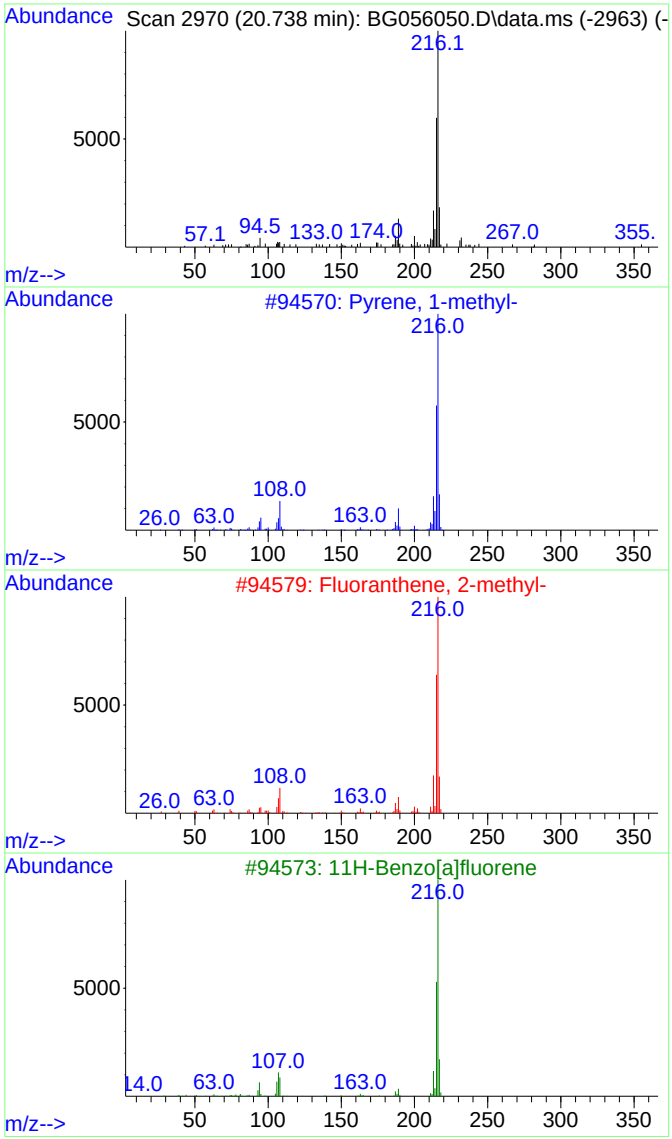
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

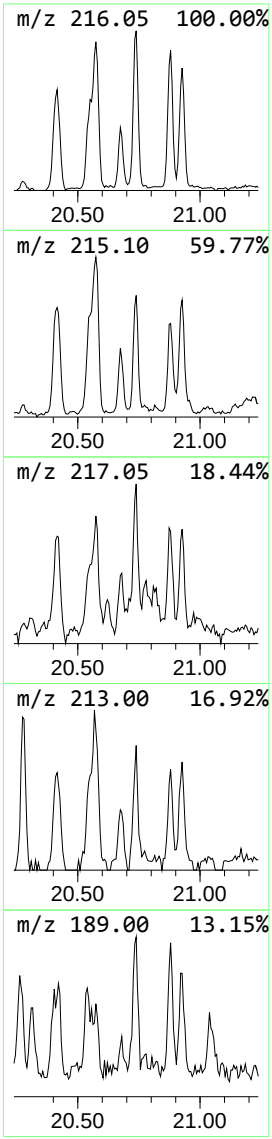
****

Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.738	2.76 ng	68439	Chrysene-d12	22.008

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Acq On : 21 Dec 2022 16:01
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Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

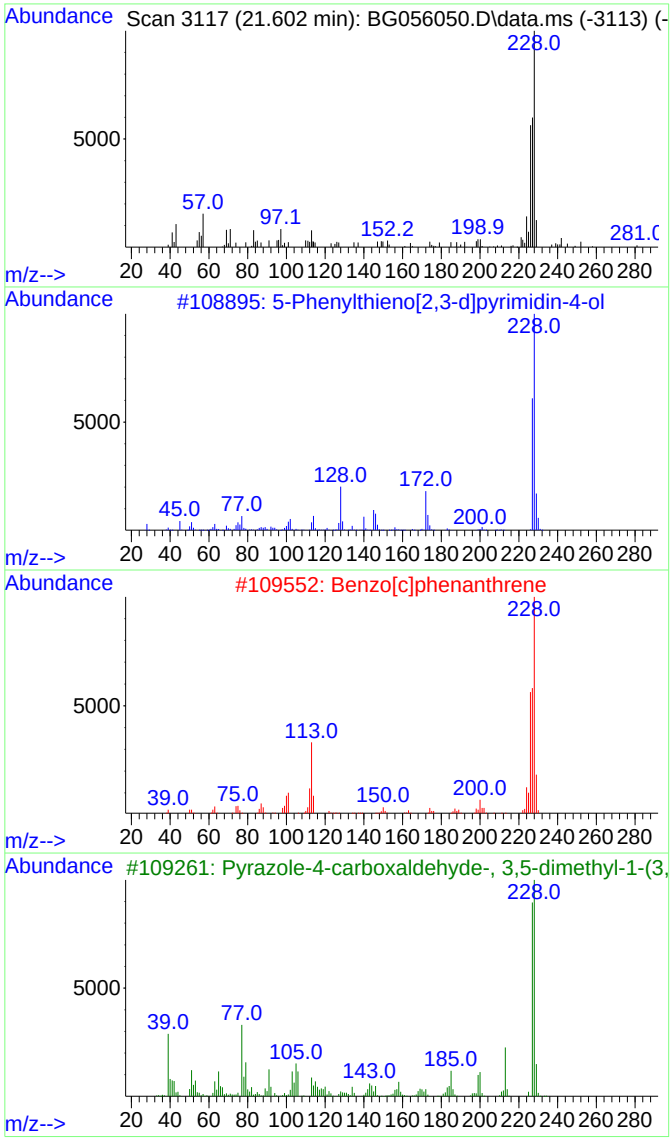
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

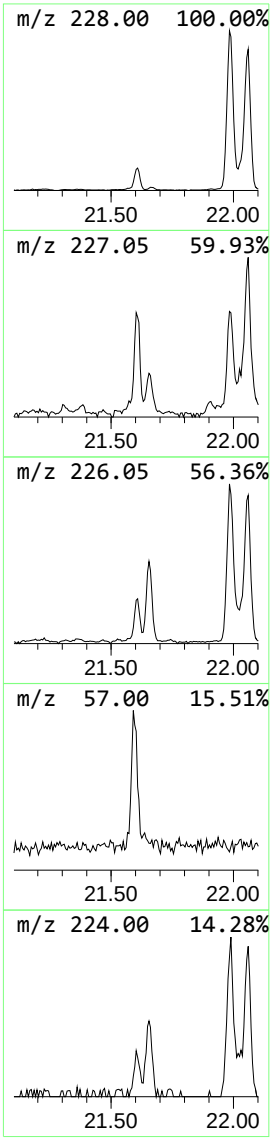
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 5-Phenylthieno[2,3-d]pyrimi... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.602	3.64 ng	90145	Chrysene-d12	22.008

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	52
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	40
4	Triphenylene	228	C18H12	000217-59-4	38
5	2,8-Dimethylphenoxathiin	228	C14H12OS	021797-73-9	38





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Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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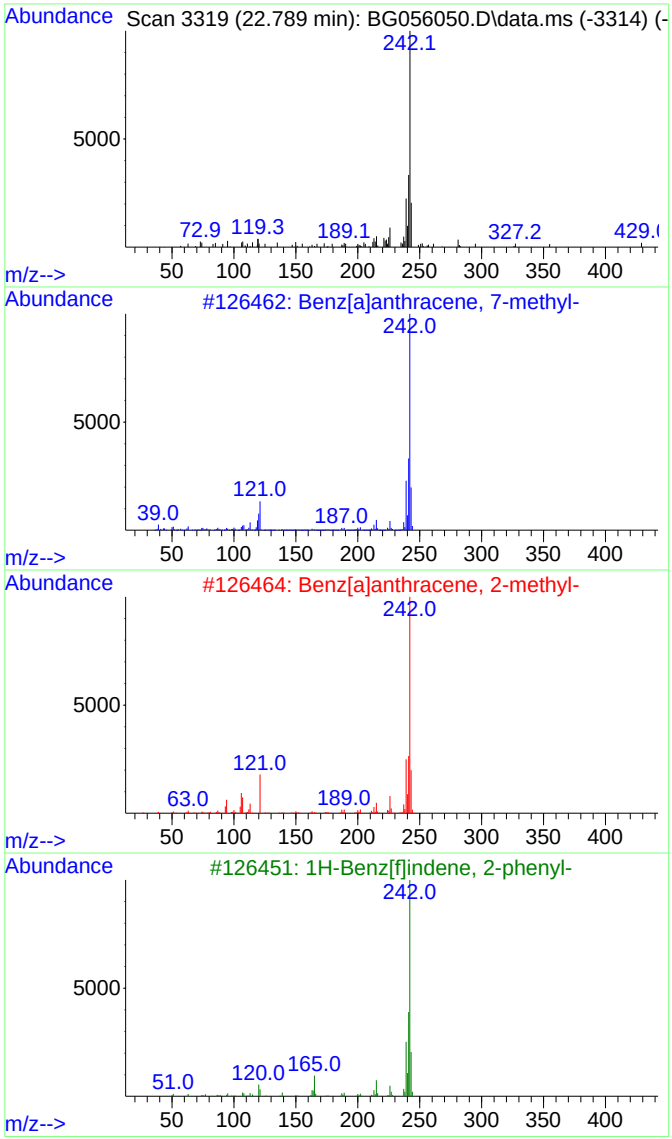
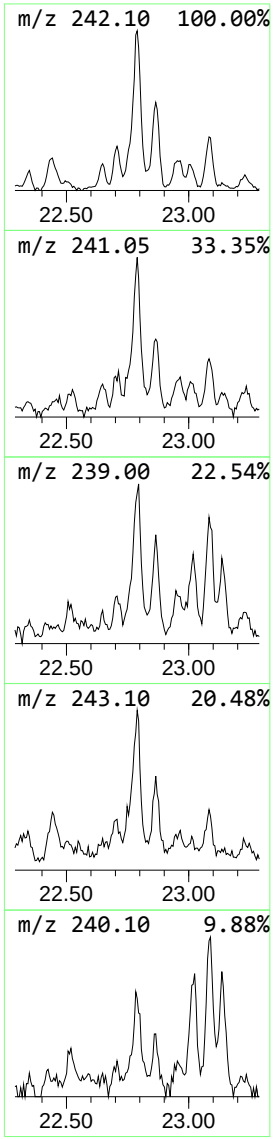
Peak Number 17 Benz[a]anthracene, 7-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.789	3.42 ng	84828	Chrysene-d12	22.008

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	81
3	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	81
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	81
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

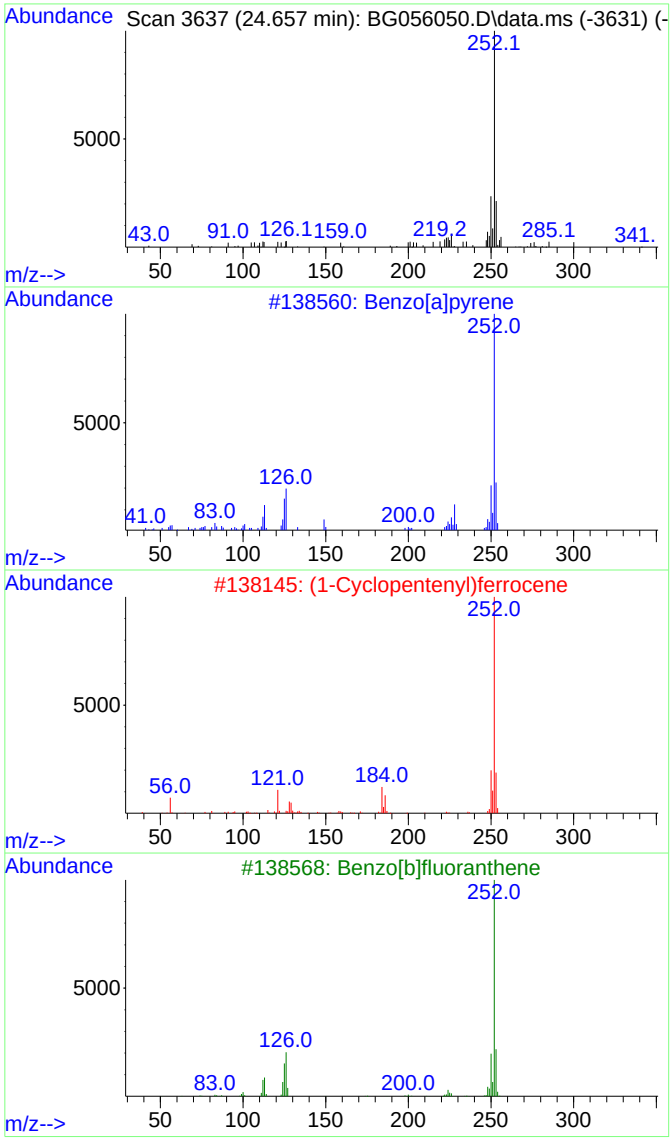
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

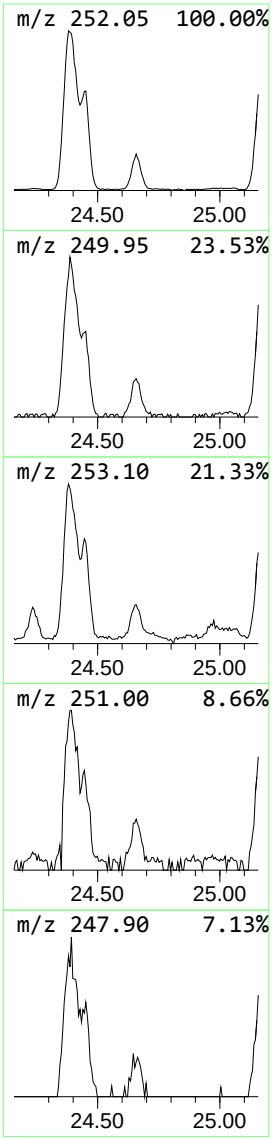
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (1-Cyclopentenyl)ferrocene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.657	4.37 ng	51731	Perylene-d12	25.497

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	81
2	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	72
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	72
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	64
5	Benzo[e]pyrene	252	C20H12	000192-97-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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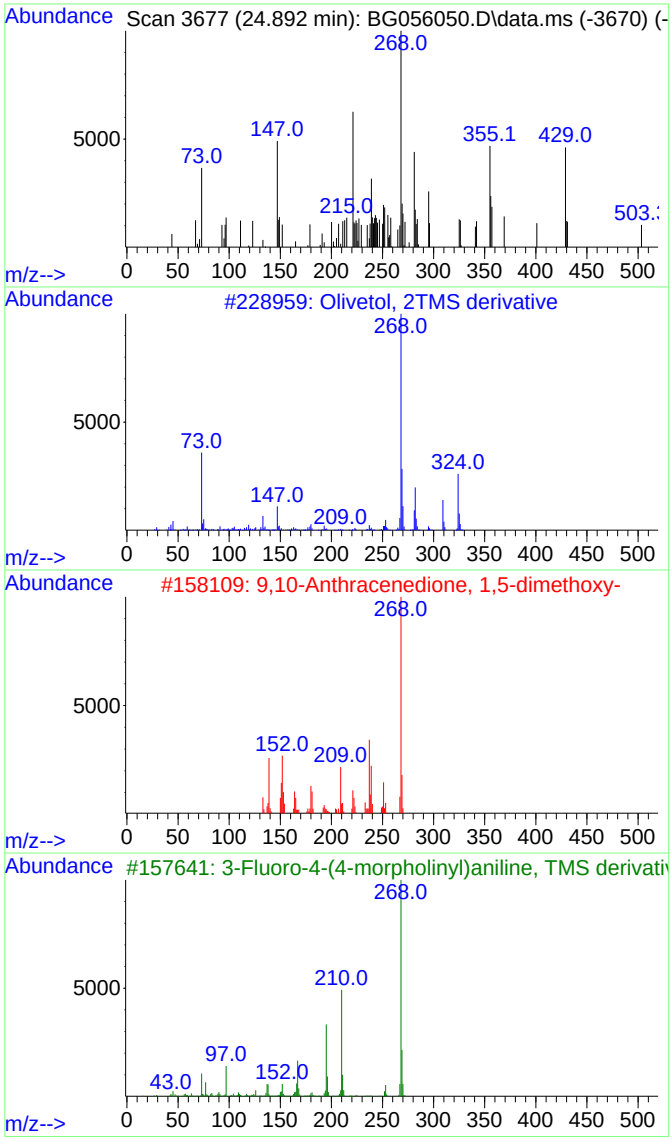
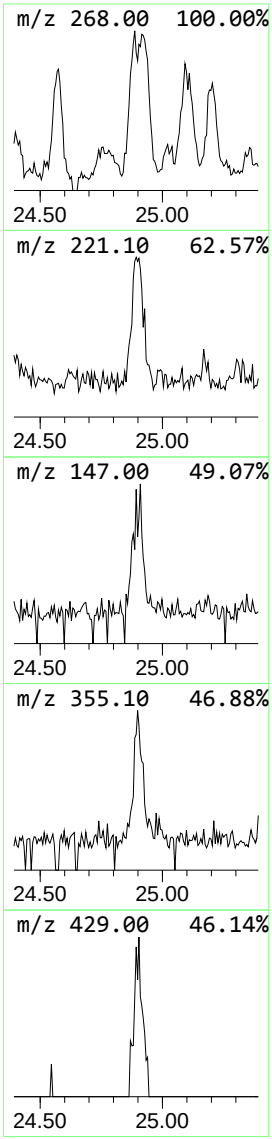
Peak Number 19 unknown24.892 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.892	4.69 ng	55527	Perylene-d12	25.497

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Olivetol, 2TMS derivative	324	C17H32O2Si2	1000333-36-8	14
2	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	11
3	3-Fluoro-4-(4-morpholinyl)anilin...	268	C13H21FN2OSi	1000484-72-8	11
4	6-Hydroxynicotinic acid, 2TMS de...	283	C12H21NO3Si2	036972-82-4	11
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	11





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

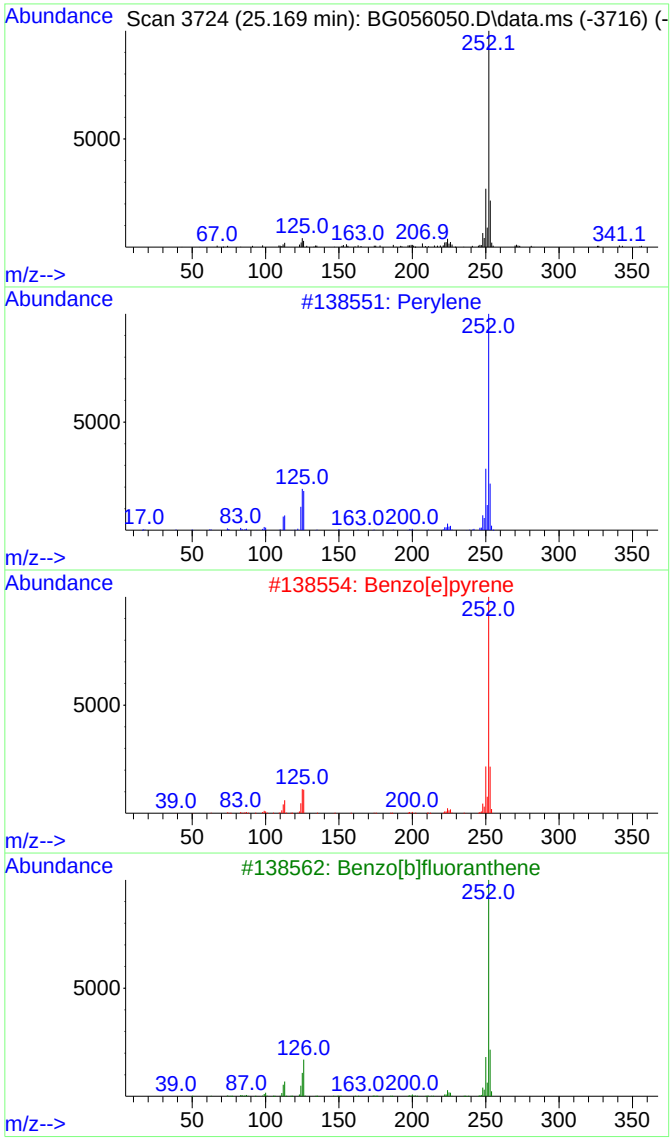
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

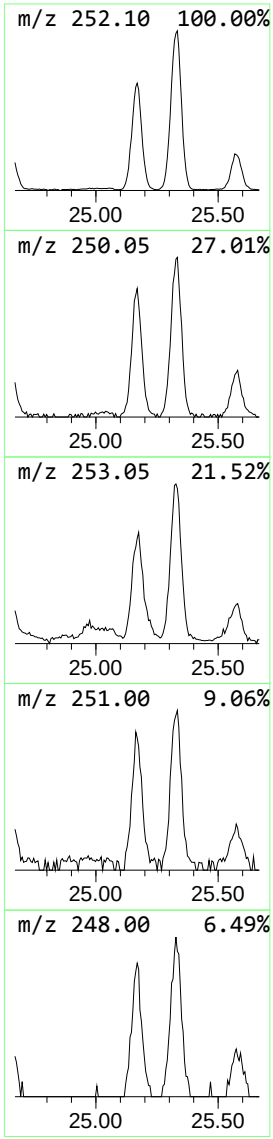
****

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.169	16.27 ng	192461	Perylene-d12	25.497

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	90
2	Benzo[e]pyrene	252	C20H12	000192-97-2	87
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.388	13.7	ng	33377	1	8.359	48573	20.0
2-Pentanone, 4-...	5.398	10.8	ng	26298	1	8.359	48573	20.0
Benzophenone	16.302	10.4	ng	64361	3	14.969	124408	20.0
Phenanthrene, 2...	18.570	13.8	ng	118432	4	17.707	171408	20.0
Phenanthrene, 1...	18.617	9.6	ng	82309	4	17.707	171408	20.0
Anthracene, 1-m...	18.758	11.9	ng	102178	4	17.707	171408	20.0
1H-Cyclopropa[l...	18.799	6.5	ng	55629	4	17.707	171408	20.0
Naphthalene, 2-...	19.058	6.0	ng	51605	4	17.707	171408	20.0
9,10-Anthracene...	19.099	7.2	ng	62060	4	17.707	171408	20.0
Anthracene, 2-e...	19.299	3.6	ng	30656	4	17.707	171408	20.0
Phenanthrene, 3...	19.469	6.4	ng	54491	4	17.707	171408	20.0
Cyclopenta(def)...	19.610	6.6	ng	56716	4	17.707	171408	20.0
Pyrene, 1-methyl-	20.415	3.5	ng	85609	5	22.008	495664	20.0
11H-Benzo[b]flu...	20.574	4.4	ng	108360	5	22.008	495664	20.0
Fluoranthene, 2...	20.738	2.8	ng	68439	5	22.008	495664	20.0
5-Phenylthieno[...	21.602	3.6	ng	90145	5	22.008	495664	20.0
Benz[a]anthrace...	22.789	3.4	ng	84828	5	22.008	495664	20.0
(1-Cyclopenteny...	24.657	4.4	ng	51731	6	25.497	236632	20.0
unknown24.892	24.892	4.7	ng	55527	6	25.497	236632	20.0
Perylene	25.169	16.3	ng	192461	6	25.497	236632	20.0