LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056033.D
Acq On : 20 Dec 2022 17:06
Operator : CG/JU
Sample : N6135-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
72-11977

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: BG056033.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.401	13	19	27	rBB	24192	37536	3.73%	0.285%
2	5.410	355	361	370	rBB	70560	112008	11.13%	0.851%
3	5.886	435	442	450	rBB	186846	292964	29.11%	2.225%
4	7.502	709	717	724	rBB	190024	328711	32.66%	2.497%
5	8.366	858	864	870	rBV	38513	63489	6.31%	0.482%
6	9.541	1056	1064	1071	rBB	123466	214373	21.30%	1.628%
7	11.198	1339	1346	1353	rBV	51229	92257	9.17%	0.701%
8	12.079	1490	1496	1501	rBB2	6283	10964	1.09%	0.083%
9	13.601	1748	1755	1762	rBB	376026	571744	56.81%	4.343%
10	14.705	1936	1943	1957	rBV3	7550	17207	1.71%	0.131%
11	14.975	1983	1989	1995	rVV	90844	137365	13.65%	1.043%
12	15.034	1995	1999	2004	rVB	6955	10409	1.03%	0.079%
13	16.010	2158	2165	2172	rBV2	10699	17229	1.71%	0.131%
14	16.450	2234	2240	2248	rVB	434008	640059	63.59%	4.862%
15	16.673	2269	2278	2286	rBV5	4872	11201	1.11%	0.085%
16	17.002	2326	2334	2339	rBV6	7666	16694	1.66%	0.127%
17	17.349	2388	2393	2401	rBV2	33911	51818	5.15%	0.394%
18	17.525	2419	2423	2431	rVB	9435	14570	1.45%	0.111%
19	17.708	2448	2454	2458	rBV	120014	188413	18.72%	1.431%
20	17.755	2458	2462	2468	rVB	145866	213443	21.21%	1.621%
21	17.843	2471	2477	2481	rBV	24704	38044	3.78%	0.289%
22	17.890	2481	2485	2491	rVB3	6931	15117	1.50%	0.115%
23	18.101	2515	2521	2524	rBV2	10660	17037	1.69%	0.129%
24	18.219	2537	2541	2544	rBV	8761	11615	1.15%	0.088%
25	18.289	2548	2553	2559	rVB	11108	17906	1.78%	0.136%
26	18.436	2573	2578	2584	rBV3	8001	14931	1.48%	0.113%
27	18.559	2594	2599	2606	rBV2	51694	117056	11.63%	0.889%
28	18.624	2606	2610	2616	rVB	49461	71445	7.10%	0.543%
29	18.706	2616	2624	2629	rBV	14686	26996	2.68%	0.205%
30	18.771	2629	2635	2638	rVV2	50170	101011	10.04%	0.767%
31	18.806	2638	2641	2646	rVB	31167	42219	4.19%	0.321%
32	18.971	2663	2669	2673	rBV6	7624	12605	1.25%	0.096%
33	19.065	2680	2685	2688	rBV2	25672	39405	3.92%	0.299%
34	19.106	2688	2692	2700	rVB3	29847	52235	5.19%	0.397%
35	19.300	2718	2725	2729	rBV3	19373	35298	3.51%	0.268%
36	19.353	2731	2734	2738	rVV	17258	22433	2.23%	0.170%

LSC Area Percent Report

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Sample : N6135-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
72-11977

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	19.394	2738	2741	2744	rVB2	13622	14711	1.46%	0.112%
38	19.476	2750	2755	2760	rBV	49140	84426	8.39%	0.641%
39	19.535	2760	2765	2768	rVV4	19458	39803	3.95%	0.302%
40	19.564	2768	2770	2774	rVB	15524	18532	1.84%	0.141%
41	19.617	2774	2779	2787	rBV2	42359	85630	8.51%	0.650%
42	19.746	2794	2801	2805	rBV	428218	640690	63.66%	4.866%
43	19.793	2805	2809	2813	rBV3	13223	25518	2.54%	0.194%
44	19.829	2813	2815	2819	rVB2	17467	21117	2.10%	0.160%
45	19.893	2822	2826	2829	rBV	15760	26732	2.66%	0.203%
46	19.987	2835	2842	2850	rVB3	20833	56119	5.58%	0.426%
47	20.069	2850	2856	2858	rBV3	90654	159045	15.80%	1.208%
48	20.105	2858	2862	2868	rVV	458637	641563	63.74%	4.873%
49	20.163	2868	2872	2877	rVB3	34751	51619	5.13%	0.392%
50	20.287	2886	2893	2897	rBV	624799	861852	85.63%	6.546%
51	20.334	2897	2901	2906	rVB2	29926	50397	5.01%	0.383%
52	20.422	2909	2916	2922	rBV3	57950	139478	13.86%	1.059%
53	20.587	2932	2944	2948	rVB2	101909	250238	24.86%	1.901%
54	20.681	2956	2960	2964	rBV	72705	99926	9.93%	0.759%
55	20.739	2964	2970	2974	rVV2	60557	124822	12.40%	0.948%
56	20.775	2974	2976	2980	rVB2	26525	30906	3.07%	0.235%
57	20.886	2991	2995	2999	rBV	56024	84612	8.41%	0.643%
58	20.933	2999	3003	3013	rVB3	42842	82092	8.16%	0.624%
59	21.151	3036	3040	3042	rBV4	12460	17803	1.77%	0.135%
60	21.327	3065	3070	3073	rBV4	18953	34702	3.45%	0.264%
61	21.374	3073	3078	3084	rVB	54274	97631	9.70%	0.742%
62	21.568	3103	3111	3114	rBV2	66129	142555	14.16%	1.083%
63	21.609	3115	3118	3123	rVV	73072	133860	13.30%	1.017%
64	21.668	3123	3128	3133	rVV2	69783	142803	14.19%	1.085%
65	21.720	3133	3137	3152	rVB2	53495	125873	12.51%	0.956%
66	21.867	3159	3162	3169	rVB	20054	31143	3.09%	0.237%
67	22.003	3174	3185	3193	rBV2	359114	1006469	100.00%	7.645%
68	22.067	3193	3196	3204	rVB	254404	441876	43.90%	3.356%
69	22.232	3219	3224	3230	rBV	58288	112329	11.16%	0.853%
70	22.296	3232	3235	3242	rVV5	32584	70959	7.05%	0.539%
71	22.373	3244	3248	3253	rVV3	44006	80959	8.04%	0.615%
72	22.449	3254	3261	3269	rVB3	39461	93476	9.29%	0.710%
73	22.713	3302	3306	3311	rVB3	23295	35573	3.53%	0.270%
74	22.802	3312	3321	3326	rVV	49370	125516	12.47%	0.953%
75	22.878	3331	3334	3341	rVB3	43663	78083	7.76%	0.593%
76	23.095	3367	3371	3375	rBV2	30879	54613	5.43%	0.415%

LSC Area Percent Report

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Sample : N6135-01
Misc :
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Instrument :
BNA_G
ClientSampleId :
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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
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	23.248	3392	3397	3412	rVB4	27984	79652	7.91%	0.605%
78	24.406	3583	3594	3601	rBV	245378	917565	91.17%	6.969%
79	24.682	3634	3641	3650	rVB	45882	126523	12.57%	0.961%
80	24.905	3671	3679	3681	rBV6	16991	43029	4.28%	0.327%
81	25.193	3719	3728	3744	rVB	138048	459426	45.65%	3.490%
82	25.352	3744	3755	3770	rBV	186798	624143	62.01%	4.741%
83	25.510	3774	3782	3791	rVV3	70548	254974	25.33%	1.937%
84	25.592	3791	3796	3811	rVB2	54751	196296	19.50%	1.491%
85	27.020	4033	4039	4051	rVB4	11774	44472	4.42%	0.338%
86	29.535	4455	4467	4469	rBV2	50662	147208	14.63%	1.118%
87	30.804	4669	4683	4693	rBV2	34630	178567	17.74%	1.356%

Sum of corrected areas: 13165713

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
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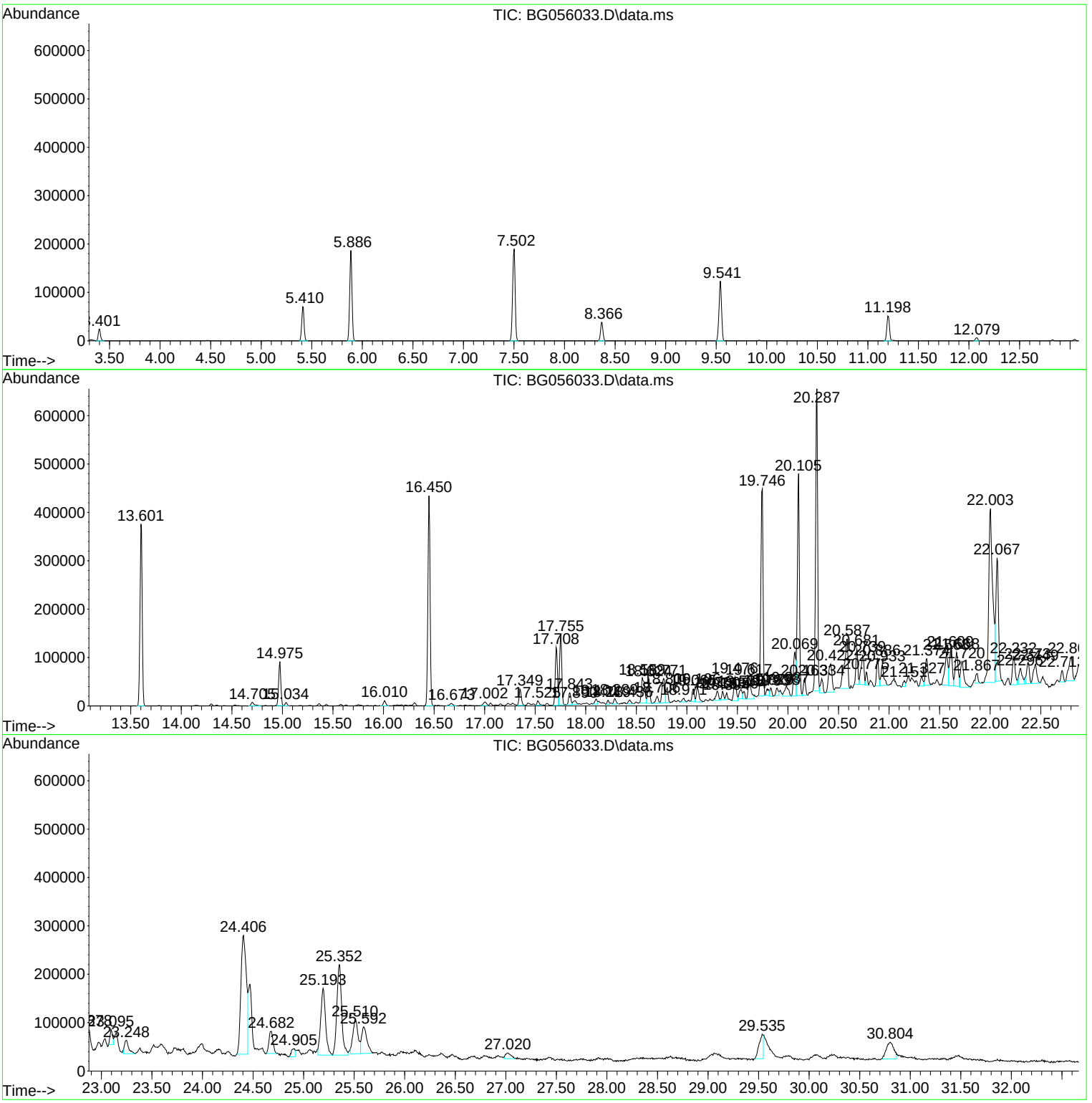
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
72-11977

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\BG122022\
Data File : BG056033.D
Acq On : 20 Dec 2022 17:06
Operator : CG/JU
Sample : N6135-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

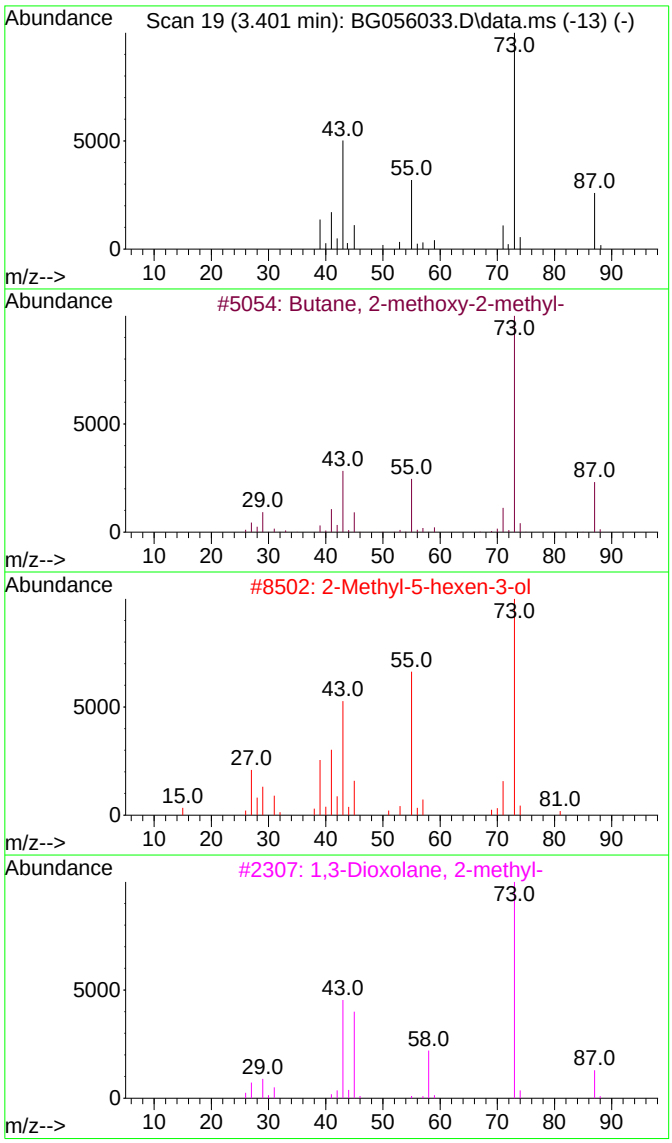
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

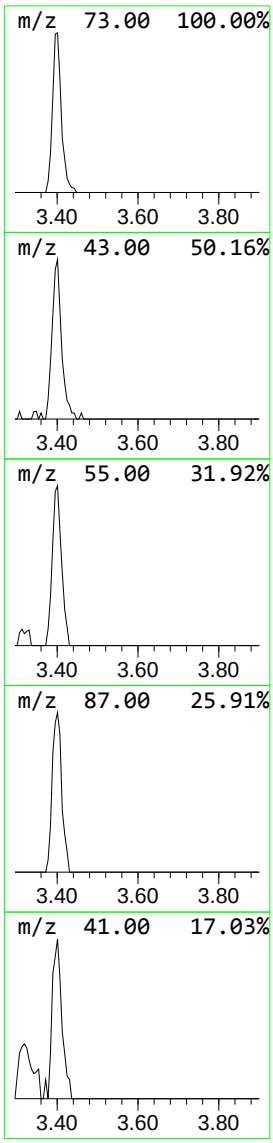
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.401	11.82 ng	37536	1,4-Dichlorobenzene-d4	8.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	17
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
4	2-Pentanol, acetate	130	C7H14O2	000626-38-0	9
5	1,2-Propanediol, 2-acetate	118	C5H10O3	006214-01-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056033.D
Acq On : 20 Dec 2022 17:06
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Sample : N6135-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
72-11977

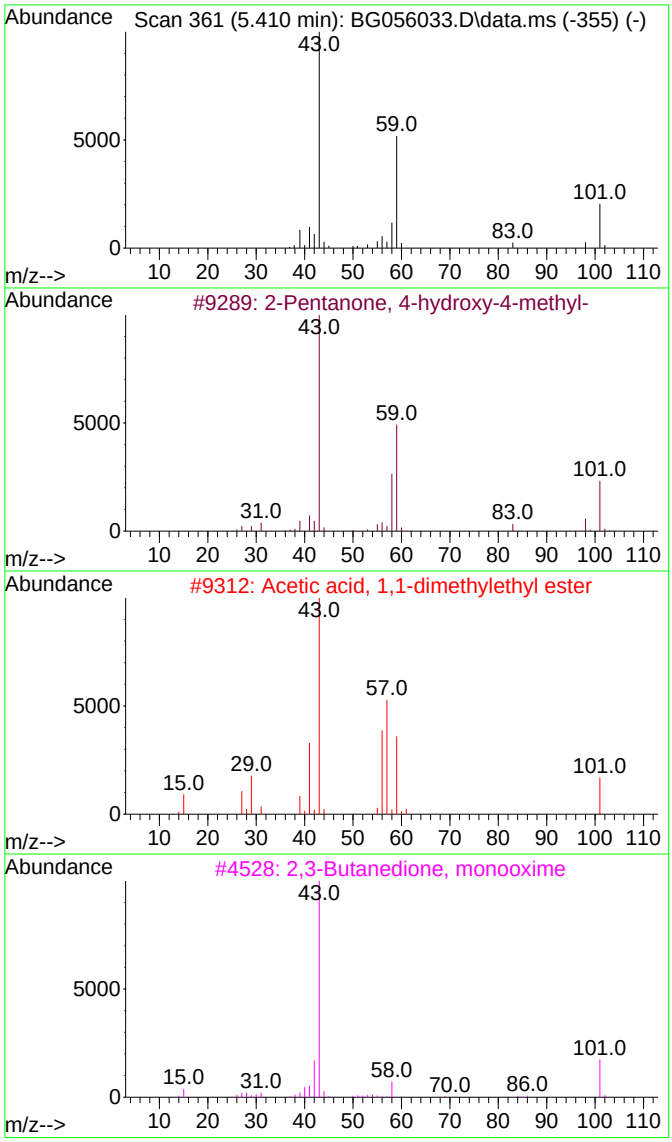
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

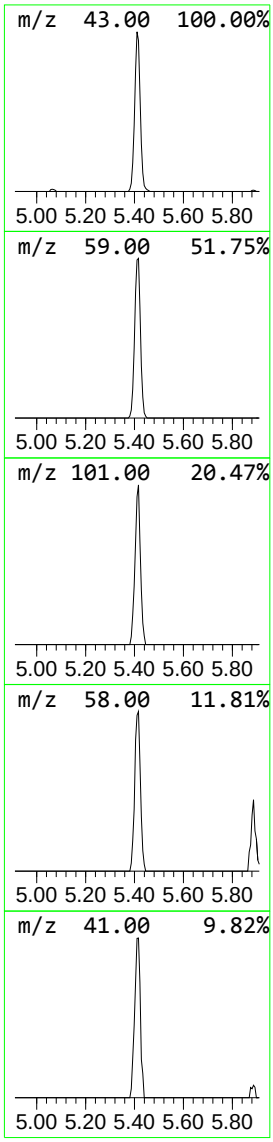
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.410	35.28 ng	112008	1,4-Dichlorobenzene-d4	8.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
4	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	28
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056033.D
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Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

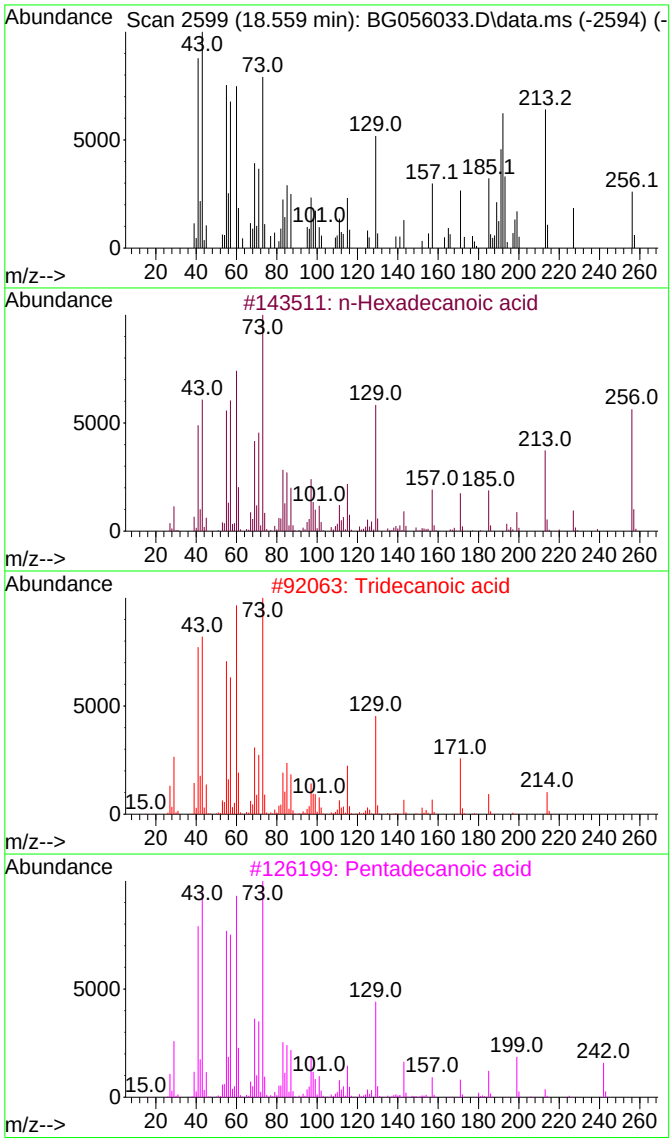
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

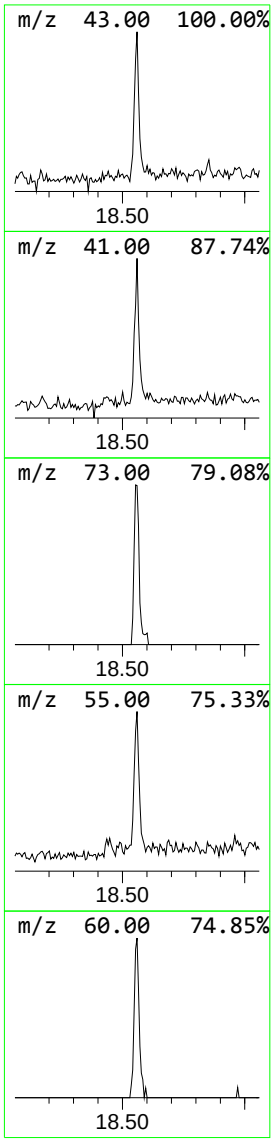
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.560	12.43 ng	117056	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2	Tridecanoic acid	214	C13H26O2	000638-53-9	42
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	38
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	25
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25





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

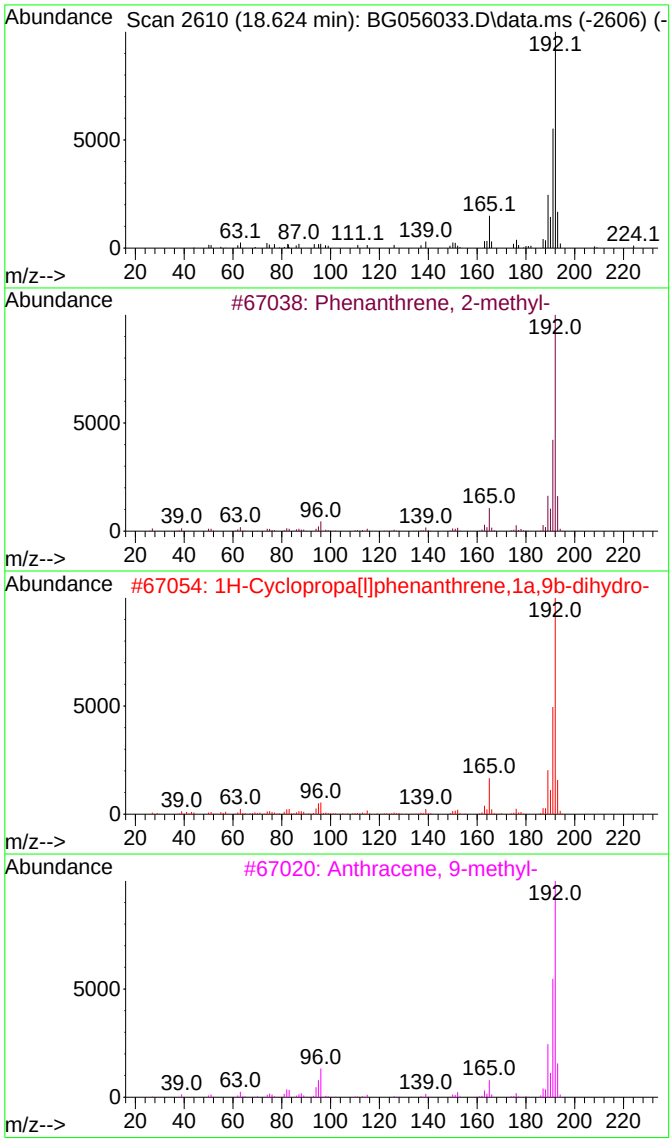
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

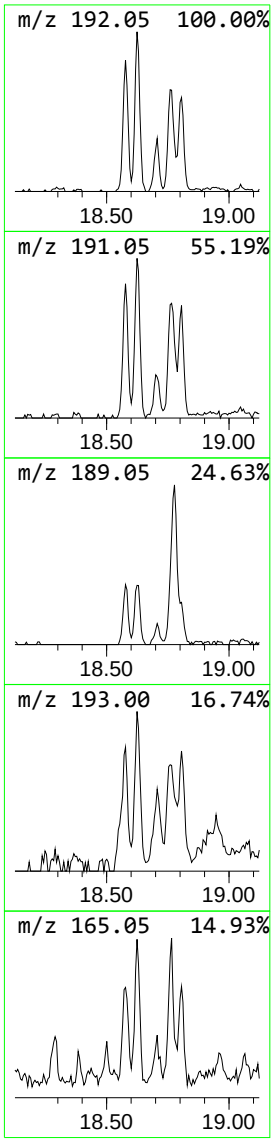
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.624	7.58 ng	71445	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056033.D
Acq On : 20 Dec 2022 17:06
Operator : CG/JU
Sample : N6135-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

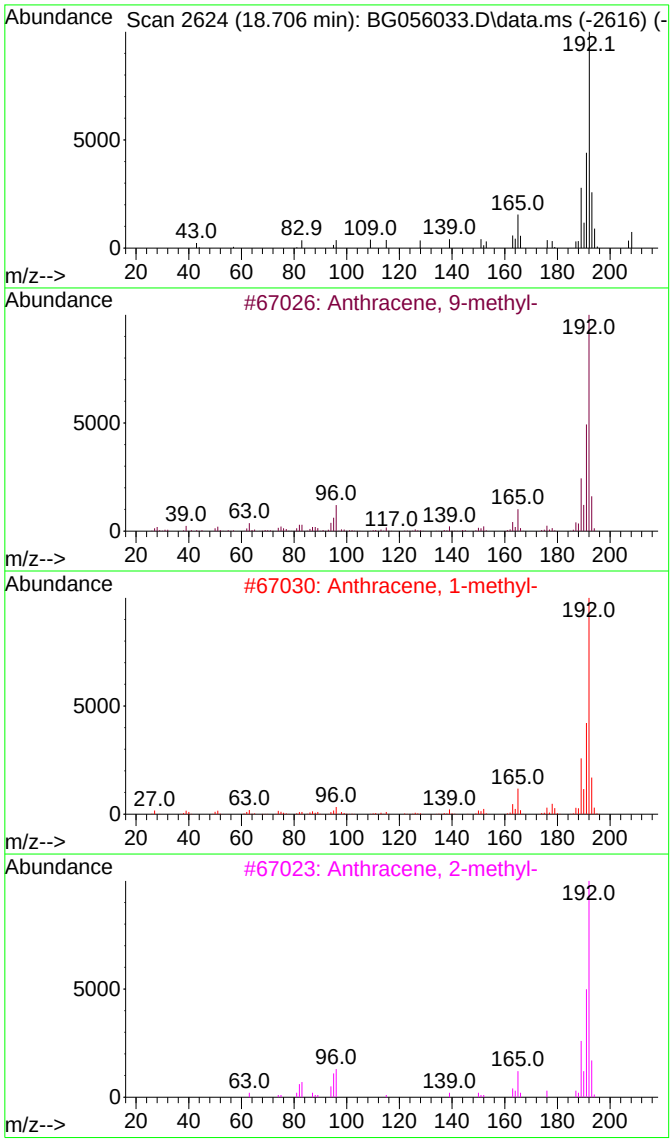
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

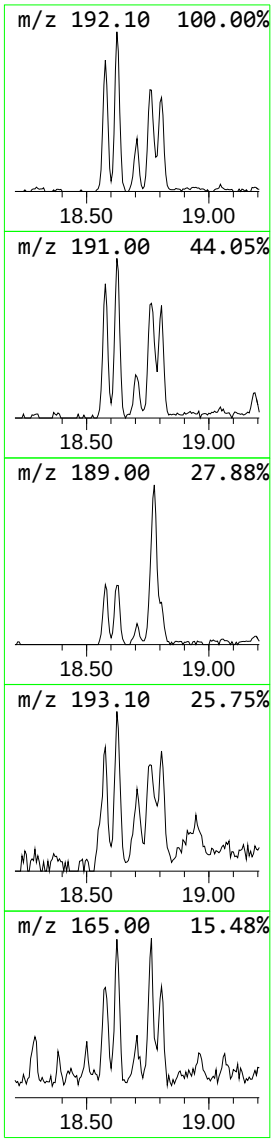
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.706	2.87 ng	26996	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056033.D
Acq On : 20 Dec 2022 17:06
Operator : CG/JU
Sample : N6135-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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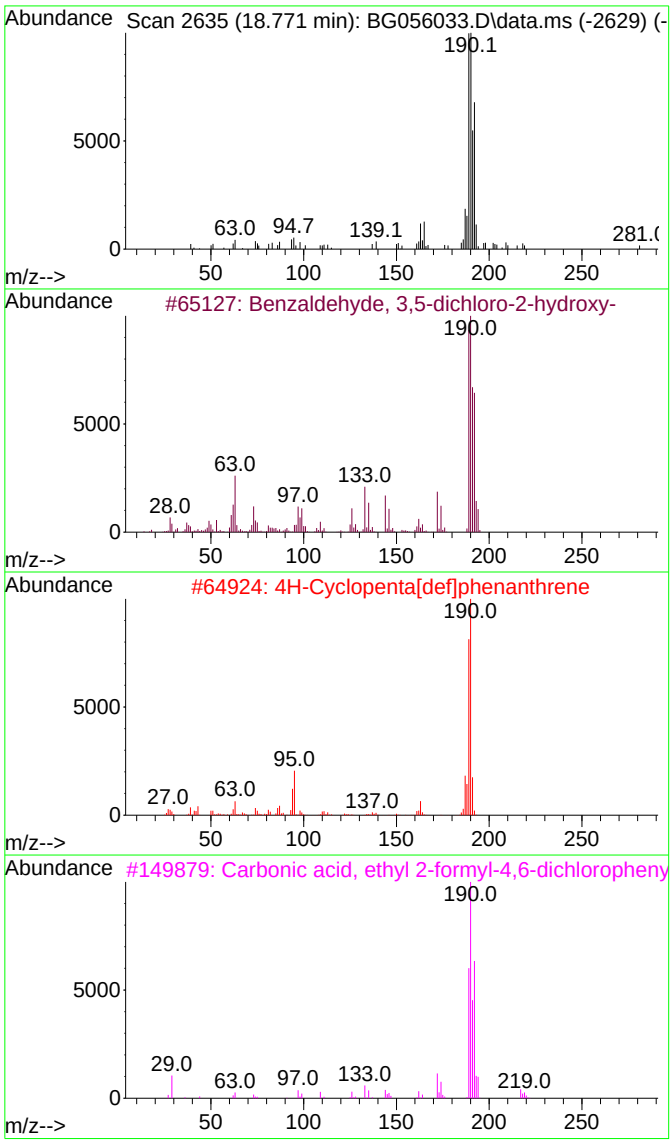
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

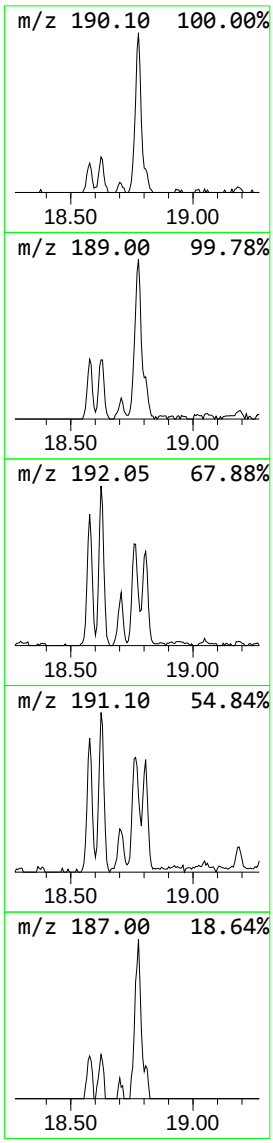
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.771	10.72 ng	101011	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	38





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Operator : CG/JU
Sample : N6135-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
72-11977

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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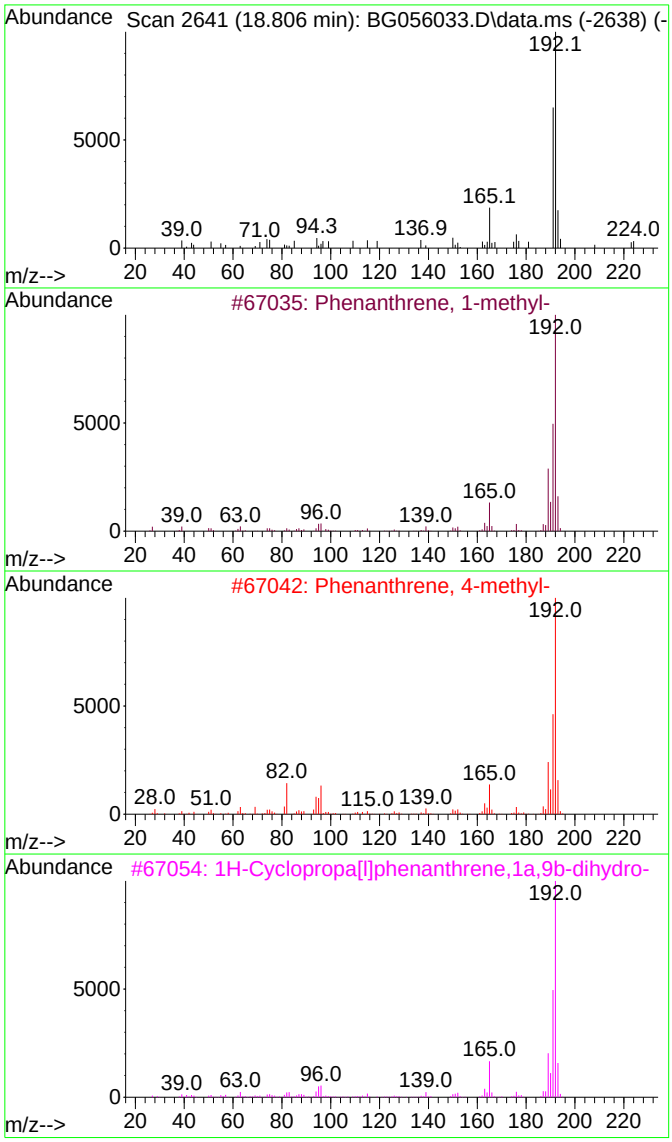
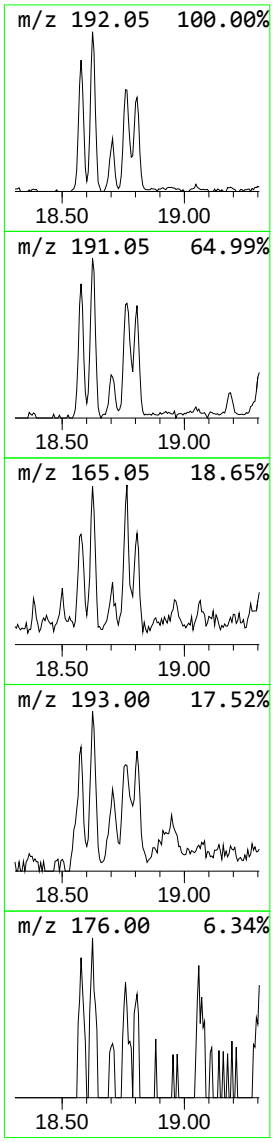
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.806	4.48 ng	42219	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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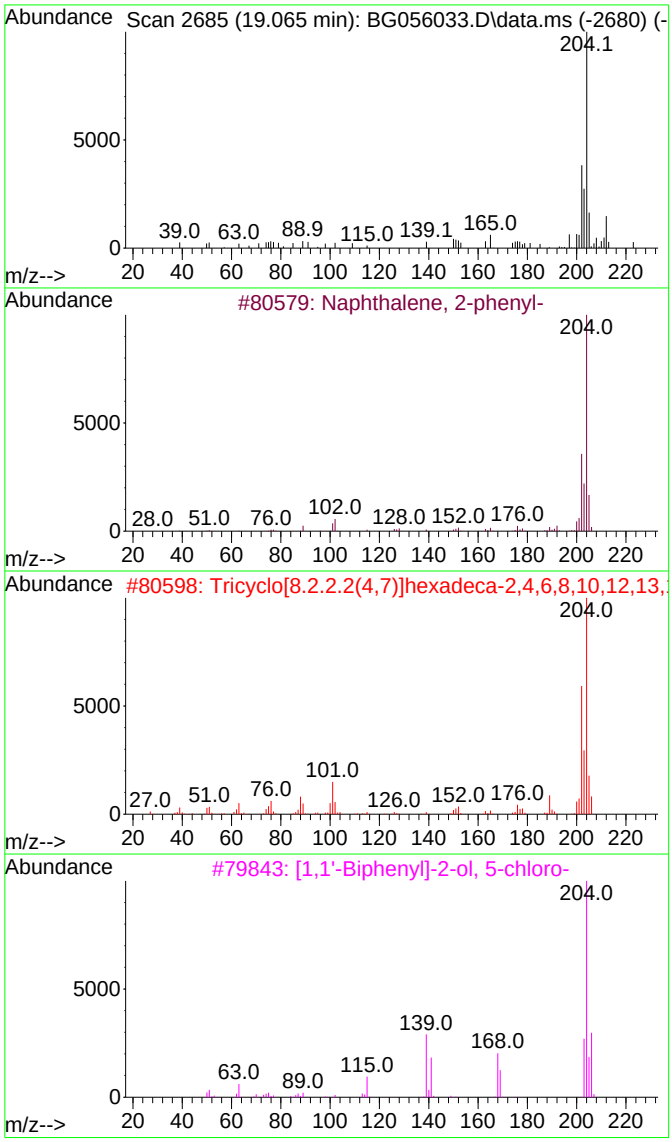
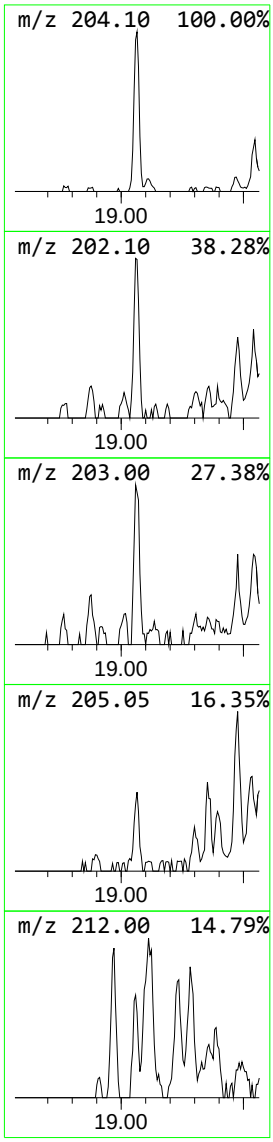
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.065	4.18 ng	39405	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	46
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	46





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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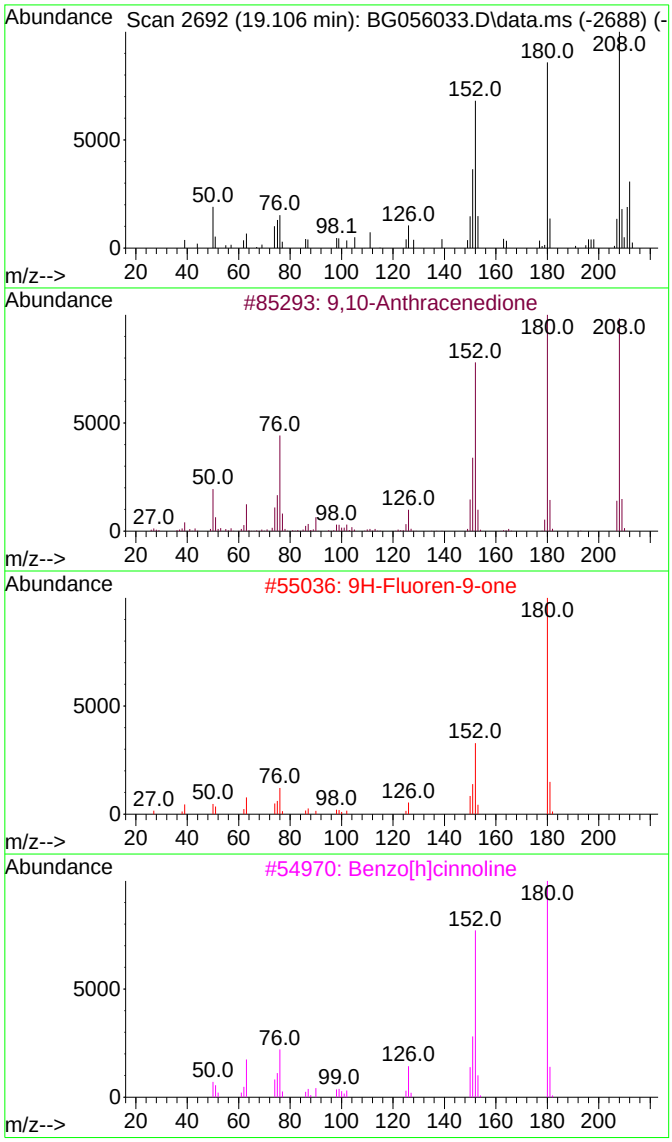
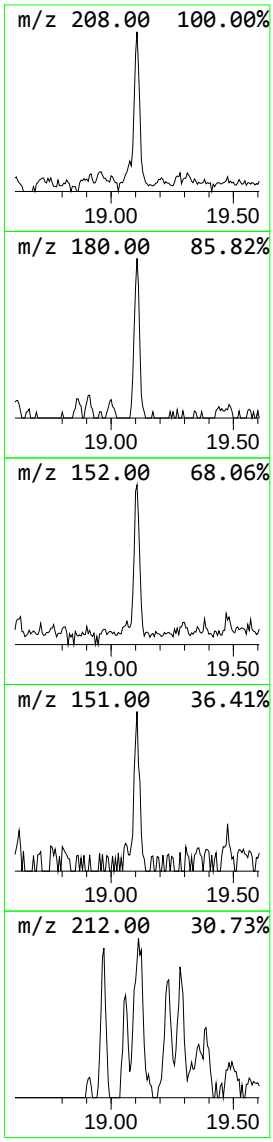
Peak Number 9 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.106	5.54 ng	52235	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50
5	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	49





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ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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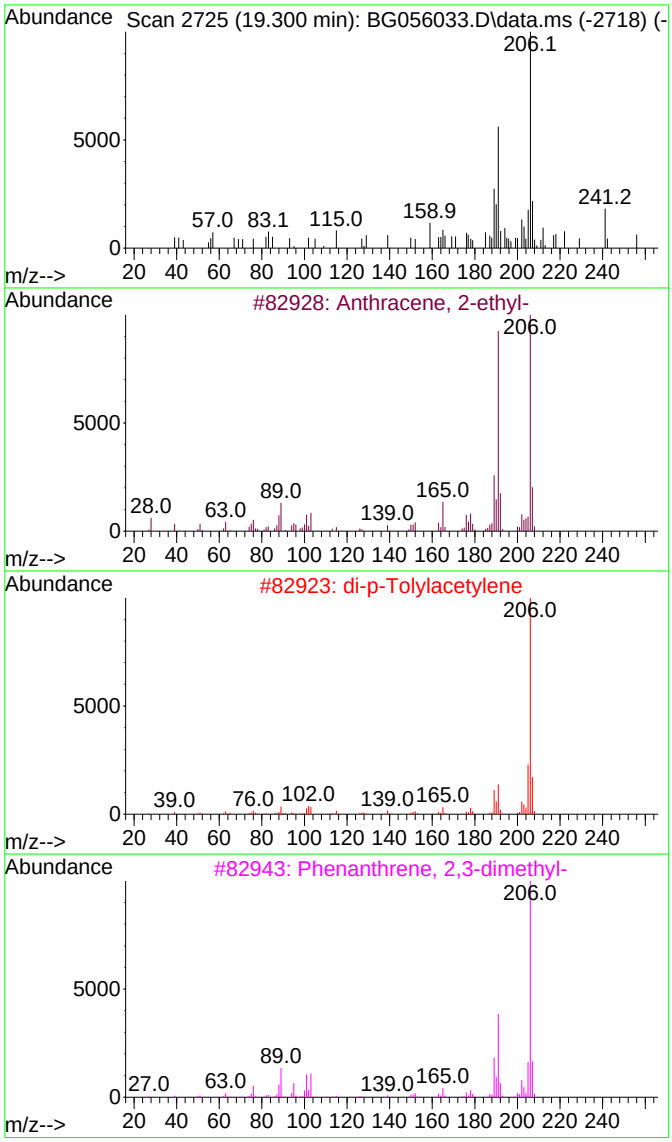
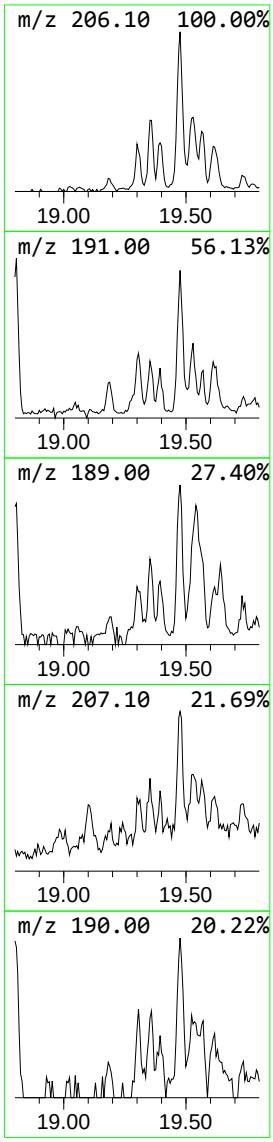
Peak Number 10 Anthracene, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.300	3.75 ng	35298	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	83
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	70
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	68
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	68
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	64





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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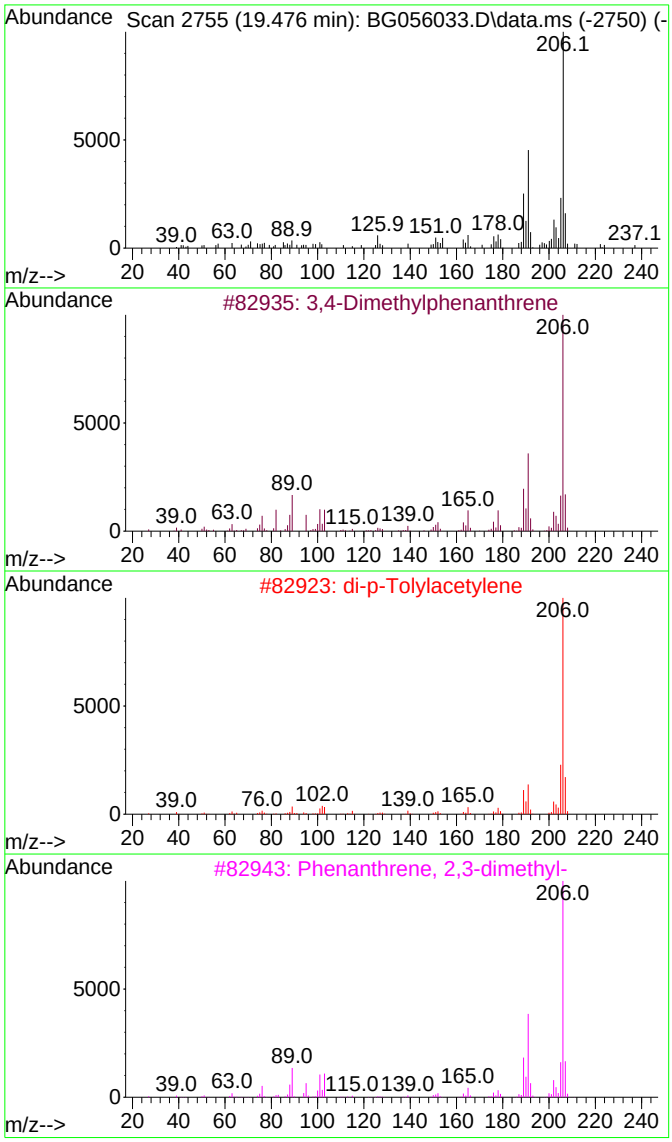
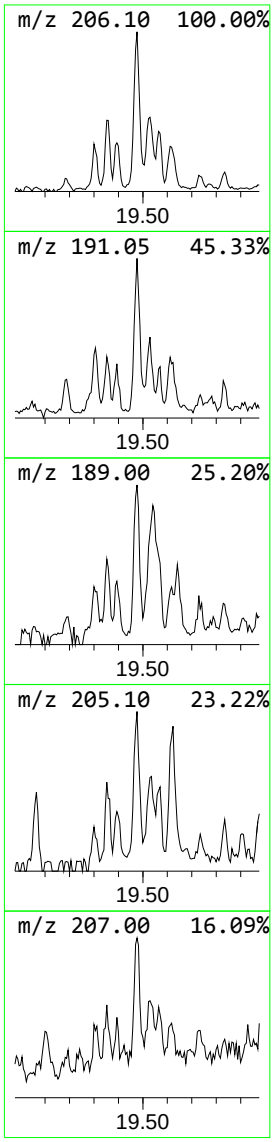
Peak Number 11 3,4-Dimethylphenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.476	8.96 ng	84426	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90





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Instrument :
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ClientSampleId :
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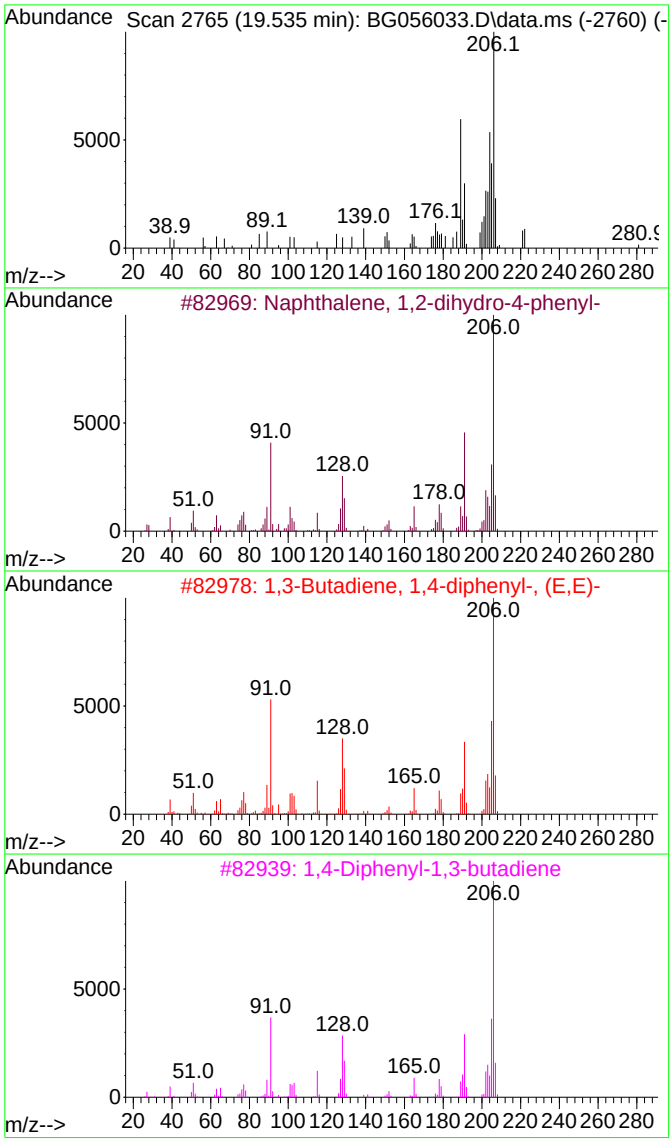
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

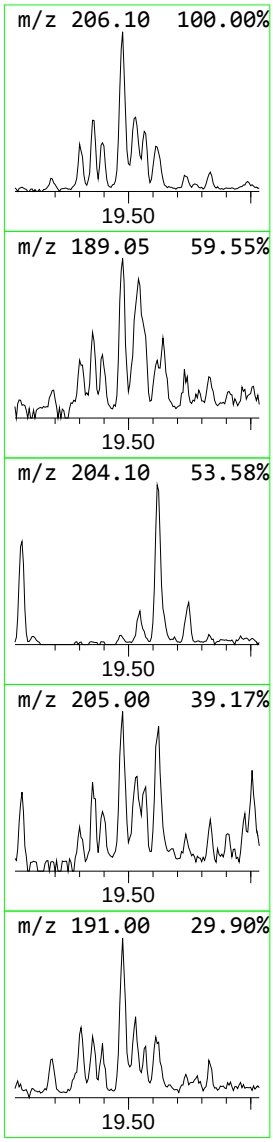
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Naphthalene, 1,2-dihydro-4-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.535	4.23 ng	39803	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	53
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	49
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	49
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	43
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	43





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Sample : N6135-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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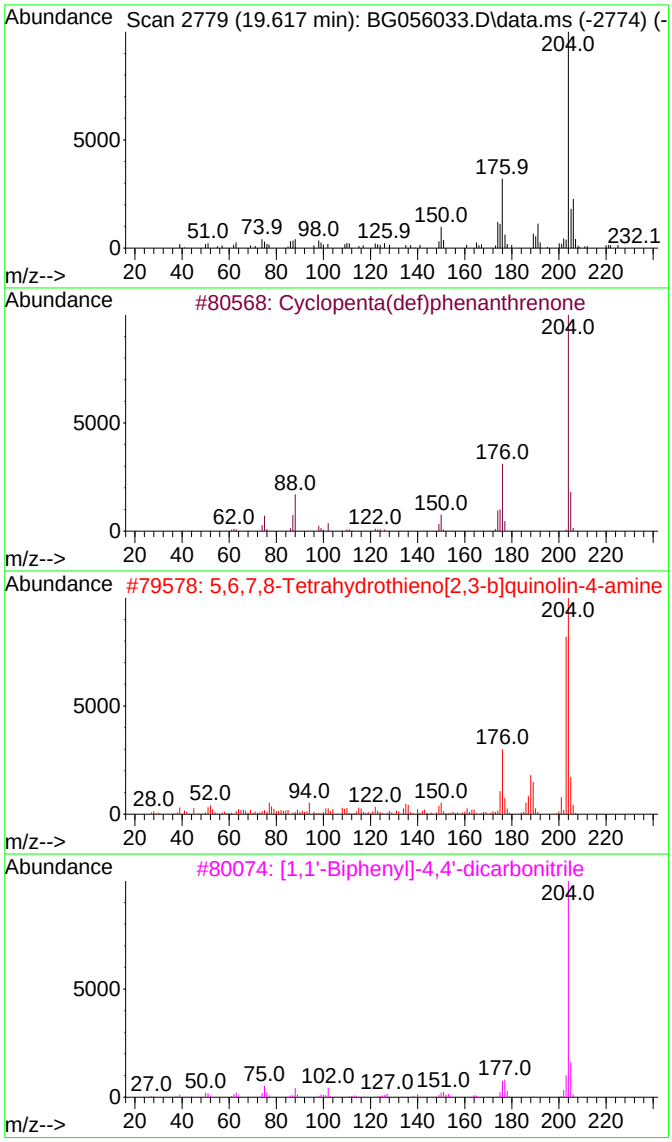
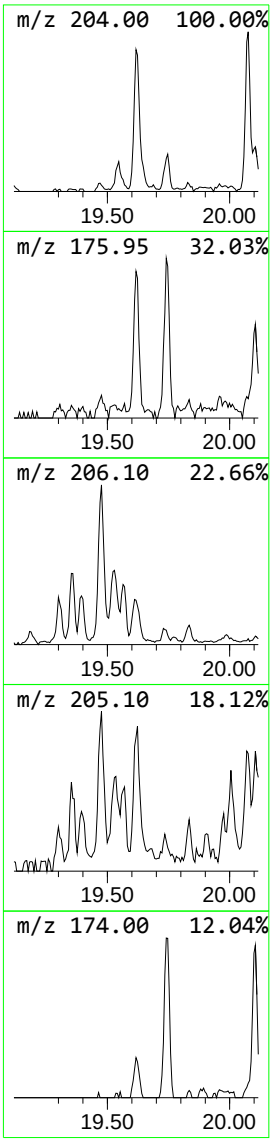
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.617	9.09 ng	85630	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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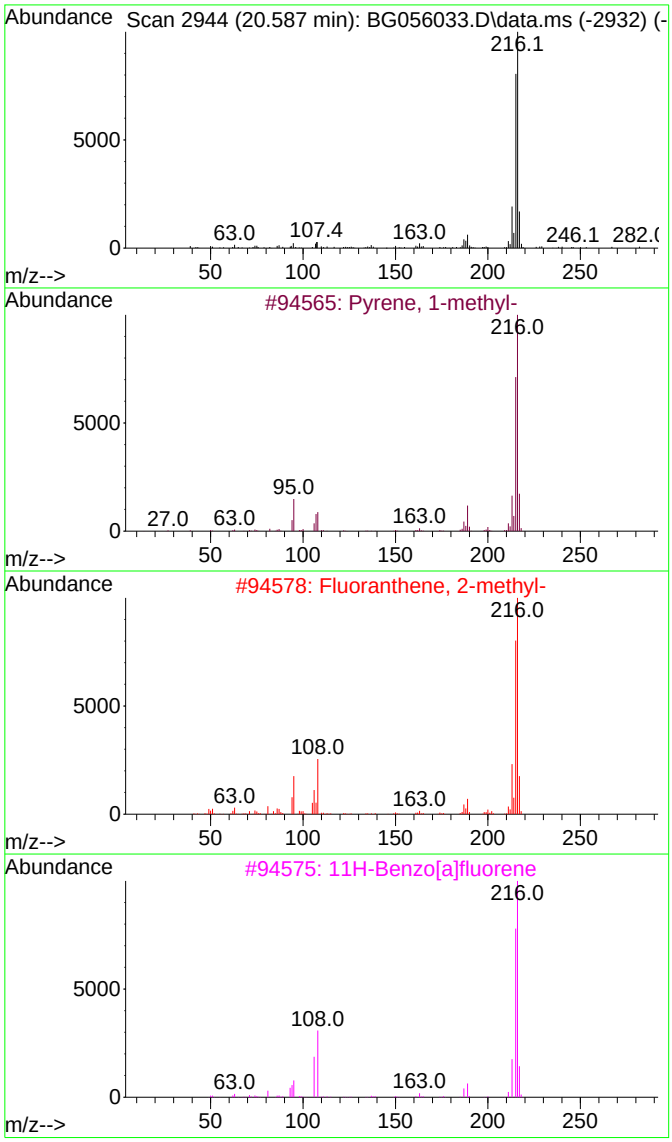
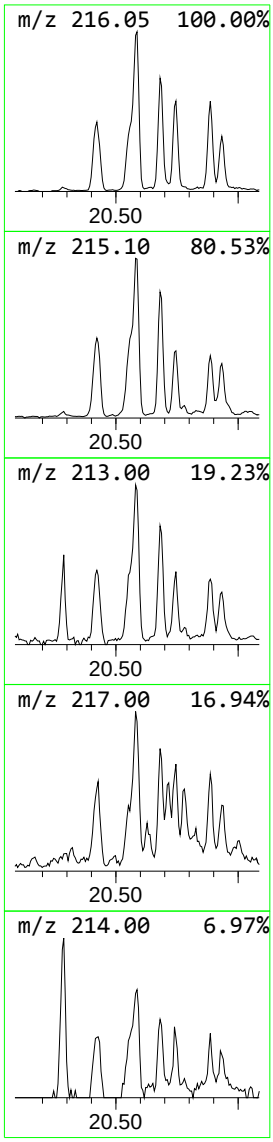
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.587	4.97 ng	250238	Chrysene-d12	22.020

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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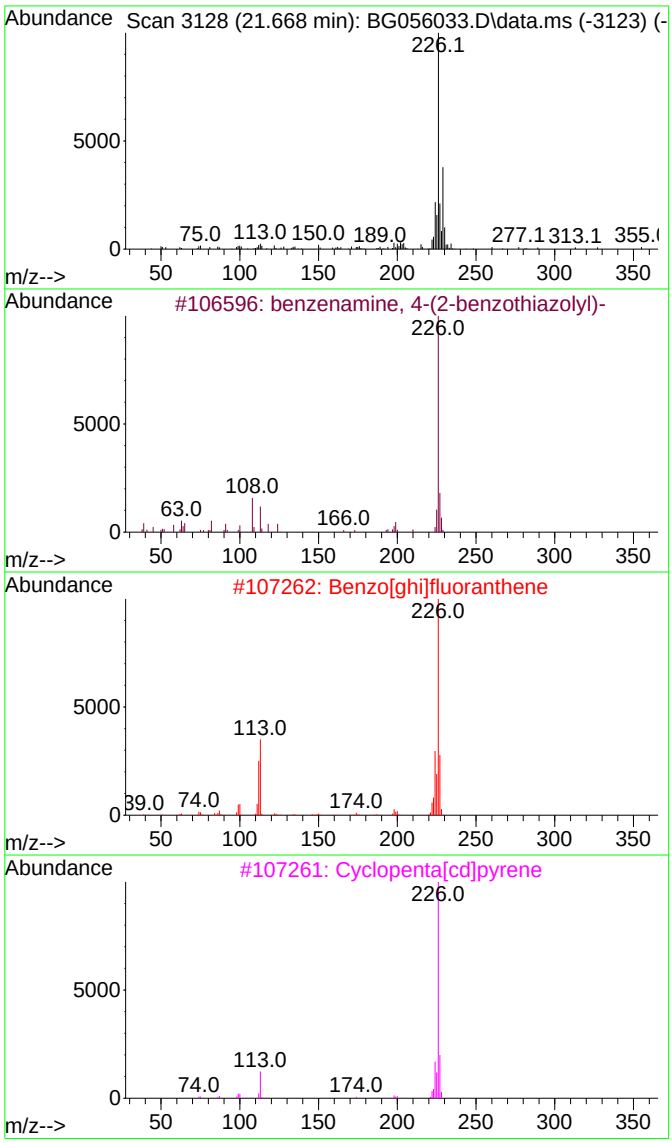
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

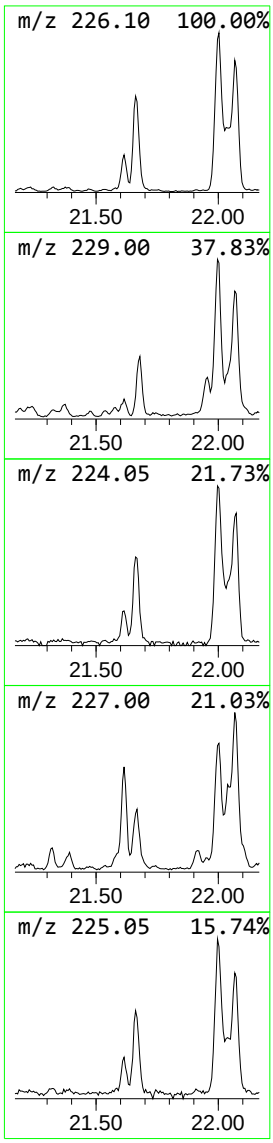
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 benzenamine, 4-(2-benzothia... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.668	2.84 ng	142803	Chrysene-d12	22.020

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	52
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	50
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	47
5	6-Bromo-3,4-dihydro-2(1H)-quinaz...	226	C8H7BrN2O	1246765-38-7	37





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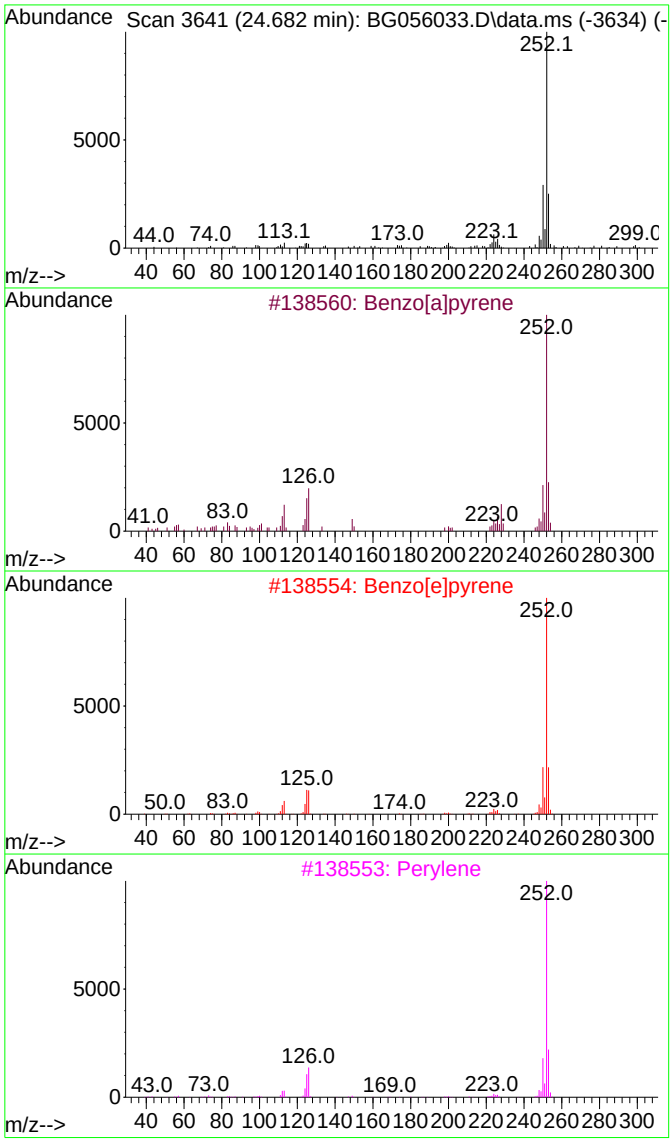
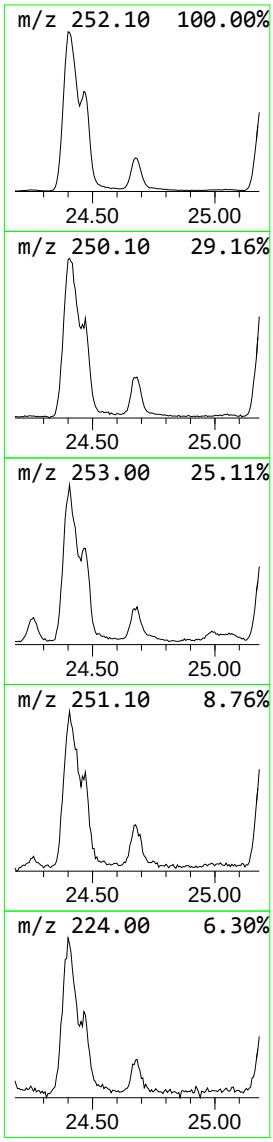
Peak Number 16 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.682	9.92 ng	126523	Perylene-d12	25.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	76
2	Benzo[e]pyrene	252	C20H12	000192-97-2	74
3	Perylene	252	C20H12	000198-55-0	72
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	64
5	3-Amino-2,6-dibromopyridine	250	C5H4Br2N2	039856-57-0	59





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ClientSampleId :
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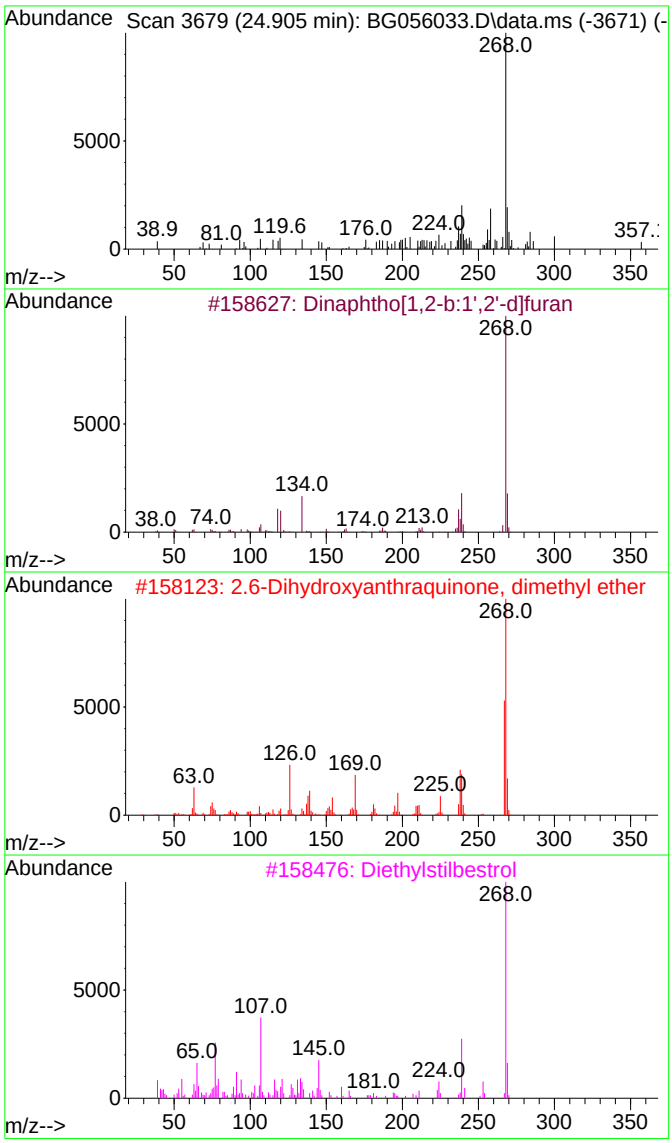
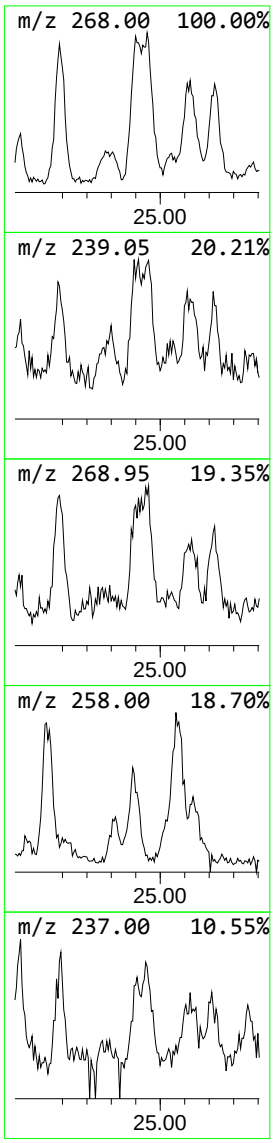
Peak Number 17 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.905	3.38 ng	43029	Perylene-d12	25.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2	2.6-Dihydroxyanthraquinone, dime...	268	C16H12O4	000963-96-2	59
3	Diethylstilbestrol	268	C18H20O2	000056-53-1	59
4	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	59
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	58





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Data File : BG056033.D
Acq On : 20 Dec 2022 17:06
Operator : CG/JU
Sample : N6135-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
72-11977

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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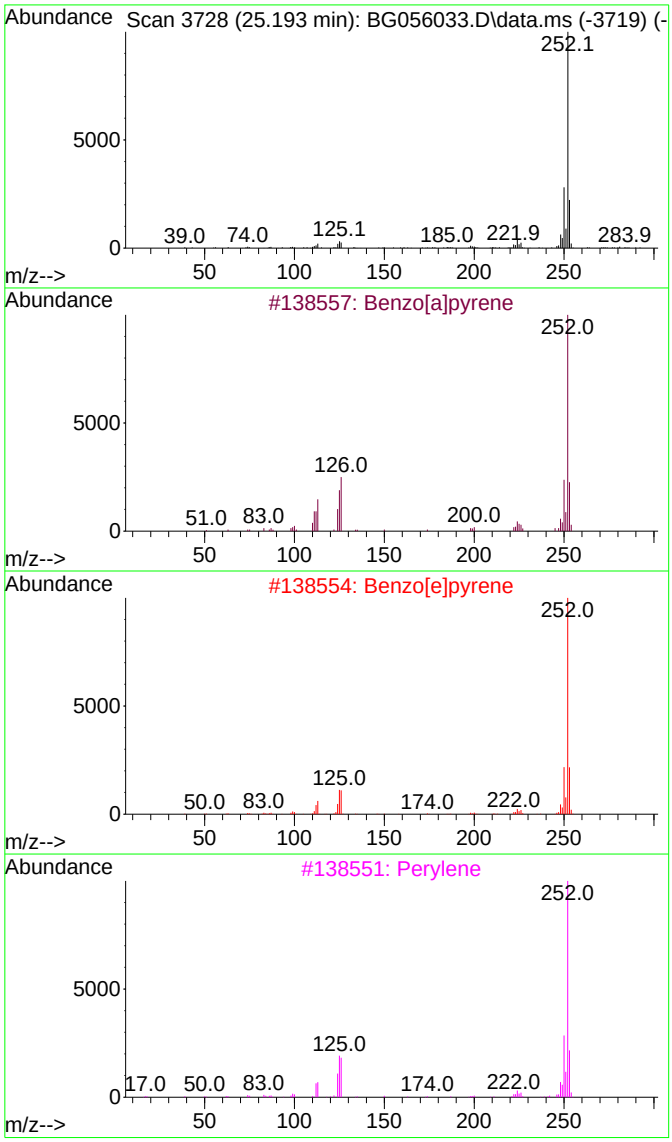
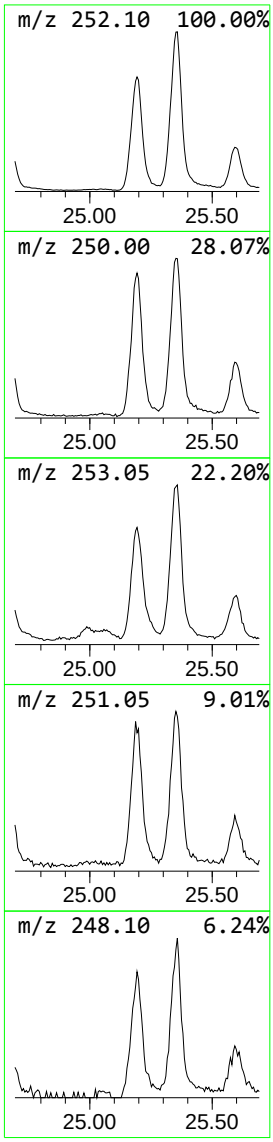
Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.193	36.04 ng	459426	Perylene-d12	25.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056033.D
Acq On : 20 Dec 2022 17:06
Operator : CG/JU
Sample : N6135-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
72-11977

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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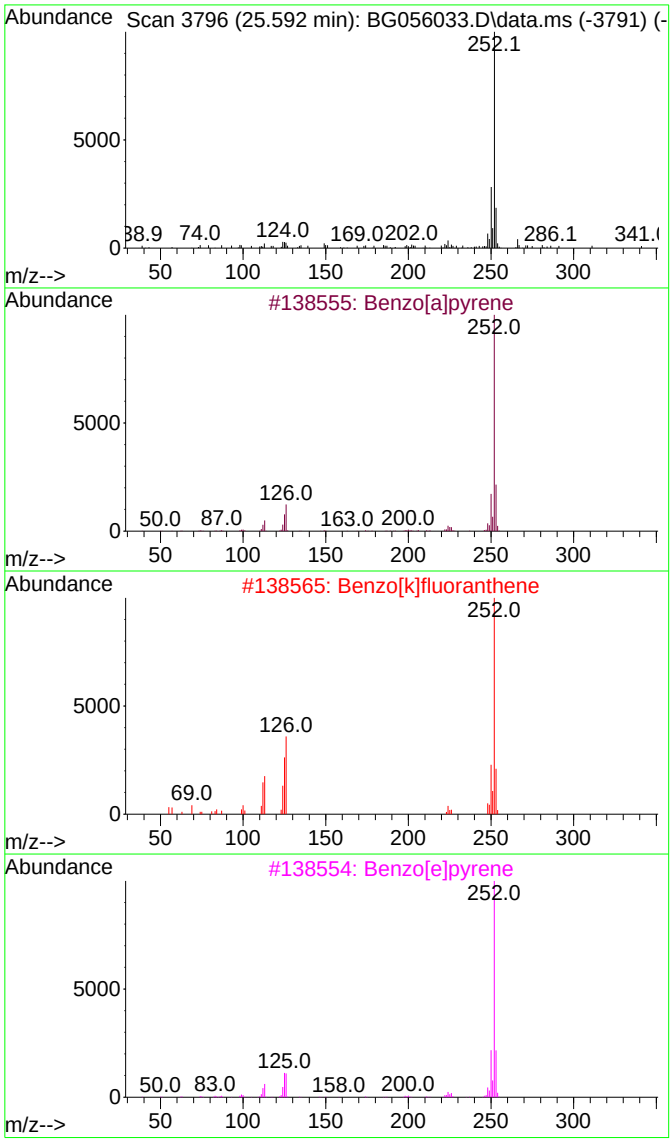
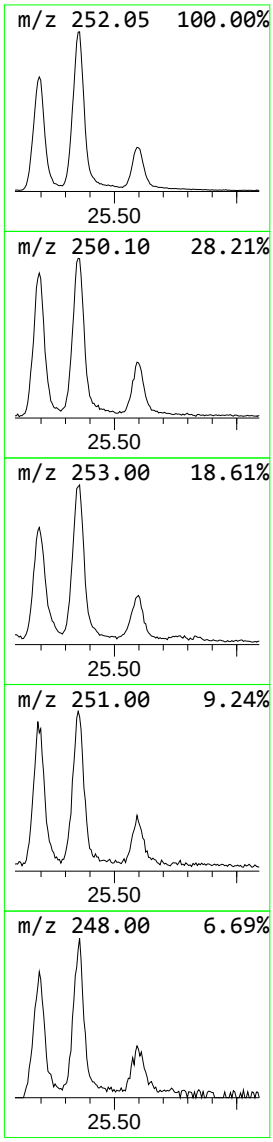
Peak Number 19 unknown25.592 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.592	15.40 ng	196296	Perylene-d12	25.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	81
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
3	Benzo[e]pyrene	252	C20H12	000192-97-2	74
4	Perylene	252	C20H12	000198-55-0	68
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056033.D
Acq On : 20 Dec 2022 17:06
Operator : CG/JU
Sample : N6135-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
72-11977

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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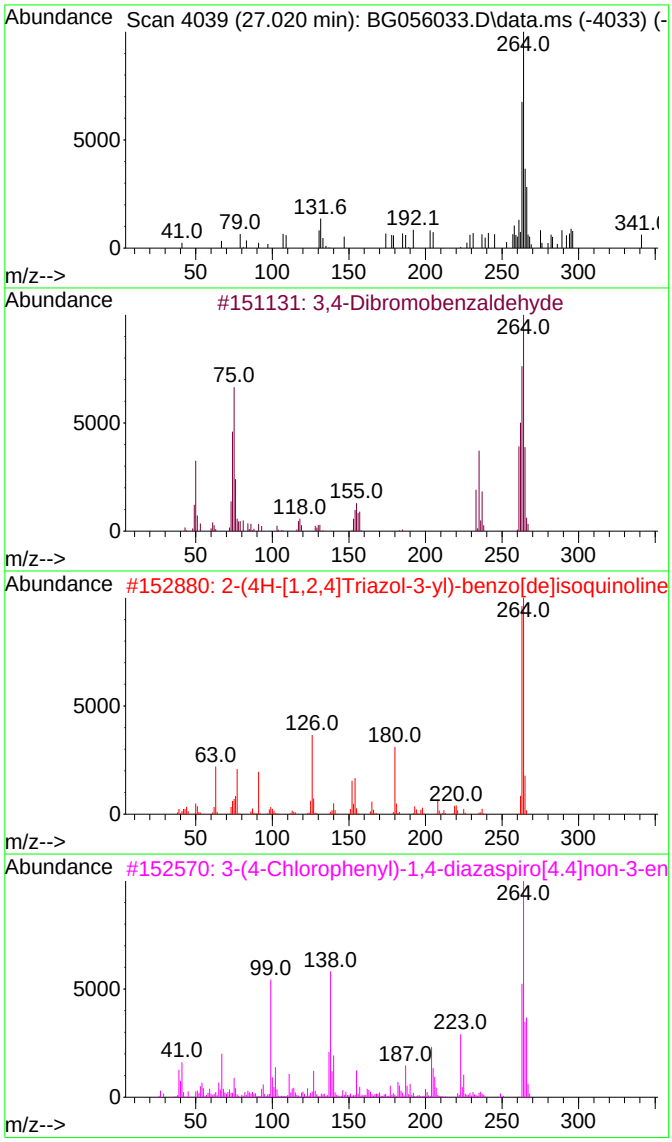
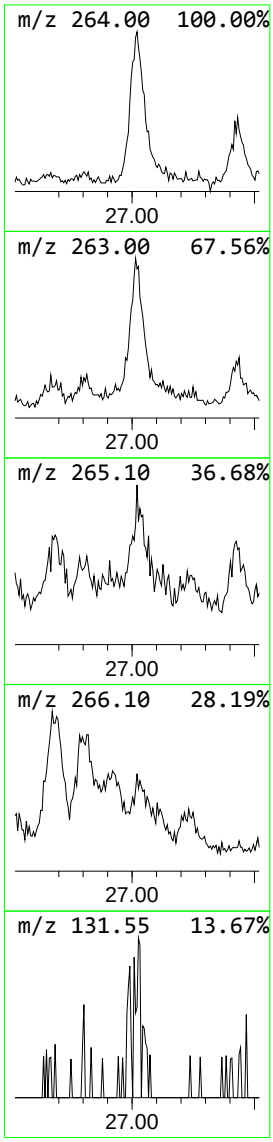
Peak Number 20 unknown27.020 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.020	3.49 ng	44472	Perylene-d12	25.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	42
2	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	40
3	3-(4-Chlorophenyl)-1,4-diazaspir...	264	C13H13ClN2S	899926-60-4	39
4	4-Bromo-6,8-diazatricyclo[7.5.0....	264	C12H13BrN2	1000436-85-3	38
5	Naphthalene, 1,2,3,4,5,8-hexaflu...	264	C12H6F6	038339-32-1	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056033.D
Acq On : 20 Dec 2022 17:06
Operator : CG/JU
Sample : N6135-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
72-11977

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...	3.401	11.8	ng	37536	1	8.371	63489	20.0
2-Pentanone, 4-...	5.410	35.3	ng	112008	1	8.371	63489	20.0
n-Hexadecanoic ...	18.560	12.4	ng	117056	4	17.708	188413	20.0
Phenanthrene, 2...	18.624	7.6	ng	71445	4	17.708	188413	20.0
Anthracene, 9-m...	18.706	2.9	ng	26996	4	17.708	188413	20.0
Benzaldehyde, 3...	18.771	10.7	ng	101011	4	17.708	188413	20.0
Phenanthrene, 1...	18.806	4.5	ng	42219	4	17.708	188413	20.0
Naphthalene, 2-...	19.065	4.2	ng	39405	4	17.708	188413	20.0
9,10-Anthracene...	19.106	5.5	ng	52235	4	17.708	188413	20.0
Anthracene, 2-e...	19.300	3.8	ng	35298	4	17.708	188413	20.0
3,4-Dimethylphe...	19.476	9.0	ng	84426	4	17.708	188413	20.0
Naphthalene, 1,...	19.535	4.2	ng	39803	4	17.708	188413	20.0
Cyclopenta(def)...	19.617	9.1	ng	85630	4	17.708	188413	20.0
Pyrene, 1-methyl-	20.587	5.0	ng	250238	5	22.020	1006470	20.0
benzenamine, 4-...	21.668	2.8	ng	142803	5	22.020	1006470	20.0
Benzo[e]pyrene	24.682	9.9	ng	126523	6	25.516	254974	20.0
Dinaphtho[1,2-b...	24.905	3.4	ng	43029	6	25.516	254974	20.0
Perylene	25.193	36.0	ng	459426	6	25.516	254974	20.0
unknown25.592	25.592	15.4	ng	196296	6	25.516	254974	20.0
unknown27.020	27.020	3.5	ng	44472	6	25.516	254974	20.0