LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FS-02-(0-2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: BG056053.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.403	354	360	369	rBB	61367	97257	2.45%	0.241%
2	5.879	435	441	449	rBB	148856	238458	6.00%	0.591%
3	7.495	708	716	723	rBB	159358	275140	6.92%	0.682%
4	8.364	858	864	872	rVB	39333	65178	1.64%	0.161%
5	9.533	1056	1063	1069	rBV	105370	188765	4.75%	0.468%
6	11.196	1339	1346	1350	rBV	51896	91626	2.31%	0.227%
7	11.249	1350	1355	1361	rVB	42910	74717	1.88%	0.185%
8	12.824	1616	1623	1630	rBB	35590	53243	1.34%	0.132%
9	13.035	1653	1659	1668	rVB	27727	46157	1.16%	0.114%
10	13.599	1748	1755	1763	rVB	338573	506524	12.75%	1.255%
11	14.293	1867	1873	1878	rBV2	30105	52831	1.33%	0.131%
12	14.698	1936	1942	1950	rBV2	31642	58608	1.47%	0.145%
13	14.968	1977	1988	1993	rBV2	95281	194296	4.89%	0.481%
14	15.033	1993	1999	2005	rVB	86144	135691	3.41%	0.336%
15	15.362	2048	2055	2061	rVB	78227	126015	3.17%	0.312%
16	16.008	2158	2165	2174	rVB	110053	182741	4.60%	0.453%
17	16.296	2210	2214	2221	rVB	45310	74557	1.88%	0.185%
18	16.449	2229	2240	2247	rVB	384669	622281	15.66%	1.542%
19	16.666	2273	2277	2286	rVB5	27073	56059	1.41%	0.139%
20	17.007	2332	2335	2339	rVV2	34342	51778	1.30%	0.128%
21	17.230	2365	2373	2376	rBV4	27944	58924	1.48%	0.146%
22	17.271	2377	2380	2388	rVB3	26206	49627	1.25%	0.123%
23	17.360	2389	2395	2402	rVB	86194	141245	3.55%	0.350%
24	17.424	2402	2406	2411	rBV2	38233	69725	1.75%	0.173%
25	17.524	2418	2423	2434	rVB	78484	127967	3.22%	0.317%
26	17.712	2449	2455	2457	rBV	112085	177159	4.46%	0.439%
27	17.759	2457	2463	2469	rVB	1382488	2292926	57.70%	5.681%
28	17.847	2469	2478	2483	rBV	342811	547302	13.77%	1.356%
29	18.100	2514	2521	2528	rBV2	121164	248586	6.26%	0.616%
30	18.217	2538	2541	2545	rBV	36039	46078	1.16%	0.114%
31	18.288	2549	2553	2557	rVB	39465	56750	1.43%	0.141%
32	18.423	2573	2576	2584	rVB	24262	53986	1.36%	0.134%
33	18.499	2584	2589	2593	rBV	26867	48247	1.21%	0.120%
34	18.576	2595	2602	2606	rVV	212783	403128	10.15%	0.999%
35	18.629	2606	2611	2616	rVB2	289619	450844	11.35%	1.117%
36	18.705	2618	2624	2629	rVB	110963	163038	4.10%	0.404%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

37	18.776	2629	2636	2639	rBV2	284749	575958	14.49%	1.427%
38	18.805	2639	2641	2645	rVB	146221	172203	4.33%	0.427%
39	19.063	2680	2685	2689	rBV	179054	260666	6.56%	0.646%
40	19.110	2689	2693	2700	rVB	155703	223928	5.64%	0.555%
41	19.304	2722	2726	2730	rVB2	64888	88245	2.22%	0.219%
42	19.357	2731	2735	2737	rBV	38446	48931	1.23%	0.121%
43	19.392	2737	2741	2746	rVB2	58042	79459	2.00%	0.197%
44	19.475	2749	2755	2761	rBV2	142185	295518	7.44%	0.732%
45	19.627	2775	2781	2789	rBV2	140638	270498	6.81%	0.670%
46	19.757	2794	2803	2807	rBV	2223481	3599147	90.58%	8.917%
47	19.798	2807	2810	2813	rVV	31198	39893	1.00%	0.099%
48	19.833	2813	2816	2821	rVB2	71797	103940	2.62%	0.258%
49	19.892	2822	2826	2829	rBV2	41840	61160	1.54%	0.152%
50	19.933	2829	2833	2836	rBV2	35263	53148	1.34%	0.132%
51	19.986	2838	2842	2845	rBV	67261	91761	2.31%	0.227%
52	20.115	2852	2864	2869	rBV2	1939675	3973550	100.00%	9.845%
53	20.162	2869	2872	2878	rVB	158275	237614	5.98%	0.589%
54	20.280	2887	2892	2897	rVB2	668843	922128	23.21%	2.285%
55	20.338	2897	2902	2907	rVB	126901	228312	5.75%	0.566%
56	20.427	2909	2917	2922	rBV2	184671	482110	12.13%	1.194%
57	20.585	2932	2944	2948	rVB2	281305	723154	18.20%	1.792%
58	20.685	2957	2961	2964	rBV	118478	158371	3.99%	0.392%
59	20.744	2964	2971	2975	rVV2	248194	464982	11.70%	1.152%
60	20.779	2975	2977	2980	rVB	73878	72988	1.84%	0.181%
61	20.891	2991	2996	2999	rBV	196426	304084	7.65%	0.753%
62	20.938	3000	3004	3014	rVB	180703	309888	7.80%	0.768%
63	21.378	3073	3079	3086	rVB	269290	447645	11.27%	1.109%
64	21.566	3104	3111	3115	rBV2	202374	481896	12.13%	1.194%
65	21.613	3116	3119	3124	rVV	225228	377670	9.50%	0.936%
66	21.672	3124	3129	3134	rVV2	263064	489310	12.31%	1.212%
67	21.737	3135	3140	3153	rVB	280742	574010	14.45%	1.422%
68	22.013	3176	3187	3192	rBV	1268102	2833287	71.30%	7.020%
69	22.083	3194	3199	3210	rVB	1108602	2176456	54.77%	5.392%
70	22.242	3221	3226	3232	rBV	190607	334197	8.41%	0.828%
71	22.313	3233	3238	3242	rBV3	87081	169006	4.25%	0.419%
72	22.459	3257	3263	3269	rBV2	146000	299686	7.54%	0.742%
73	22.718	3303	3307	3312	rBV2	56930	102717	2.59%	0.254%
74	22.806	3318	3322	3327	rVB	198339	352554	8.87%	0.873%
75	22.882	3331	3335	3342	rVB	136987	270007	6.80%	0.669%
76	23.106	3369	3373	3377	rBV	74712	131436	3.31%	0.326%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

77	23.247	3393	3397	3406	rVB2	101756	224244	5.64%	0.556%
78	24.439	3587	3600	3607	rBV2	698863	2997971	75.45%	7.428%
79	24.692	3637	3643	3652	rVB	144753	362172	9.11%	0.897%
80	25.221	3723	3733	3747	rVB	453721	1655475	41.66%	4.101%
81	25.391	3750	3762	3773	rVB	703931	2266859	57.05%	5.616%
82	25.626	3795	3802	3816	rVB2	184203	669741	16.85%	1.659%
83	29.598	4465	4478	4502	rVB2	202174	1177274	29.63%	2.917%

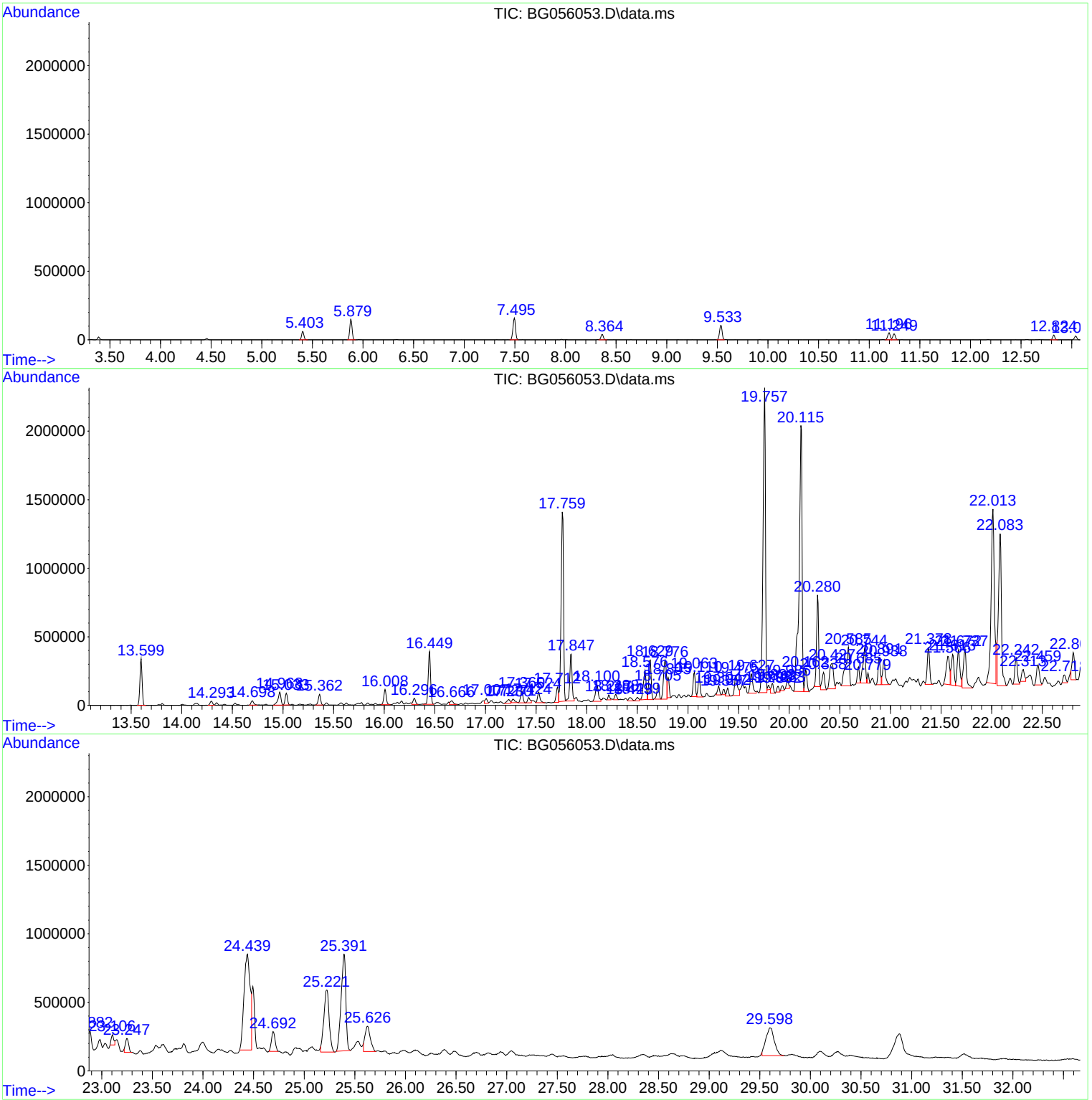
Sum of corrected areas: 40362703

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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 : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

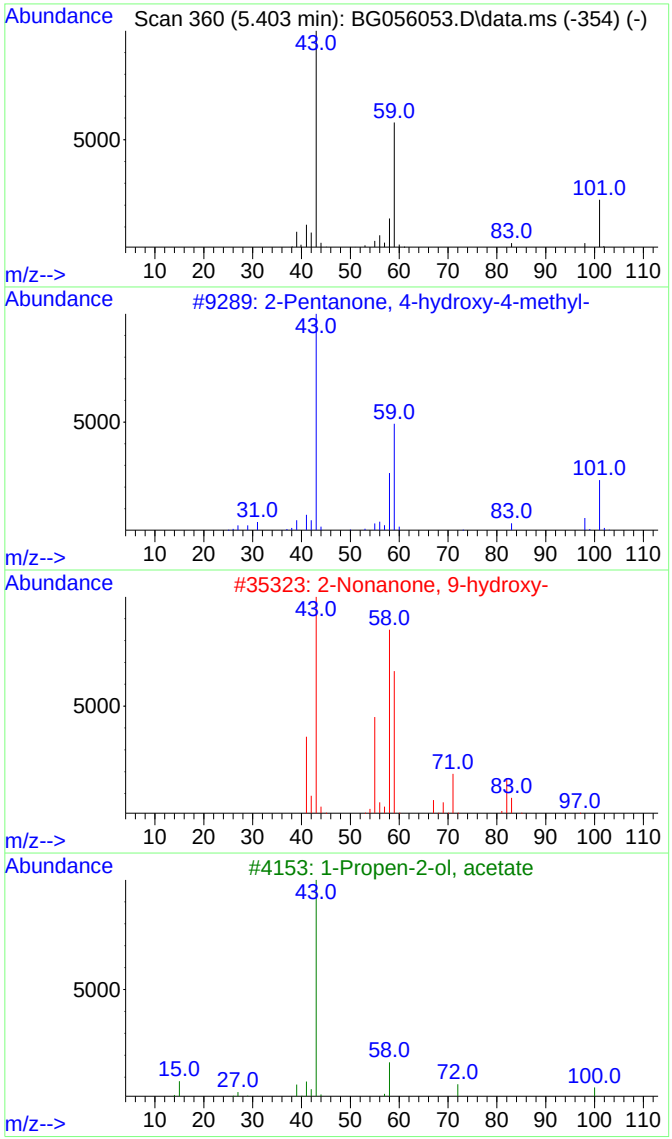
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

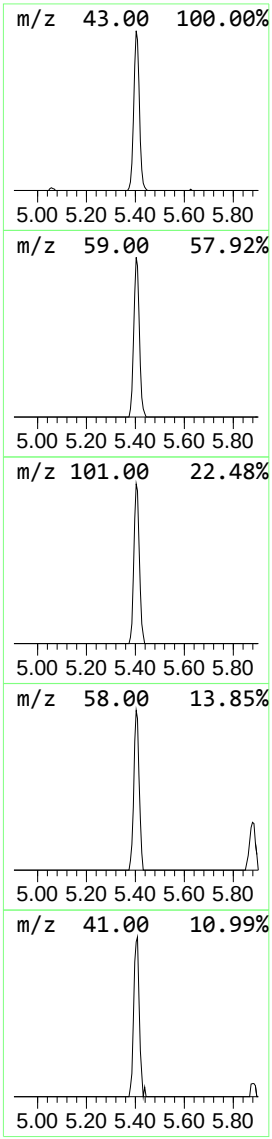
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.403	29.84 ng	97257	1,4-Dichlorobenzene-d4	8.364

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	28
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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

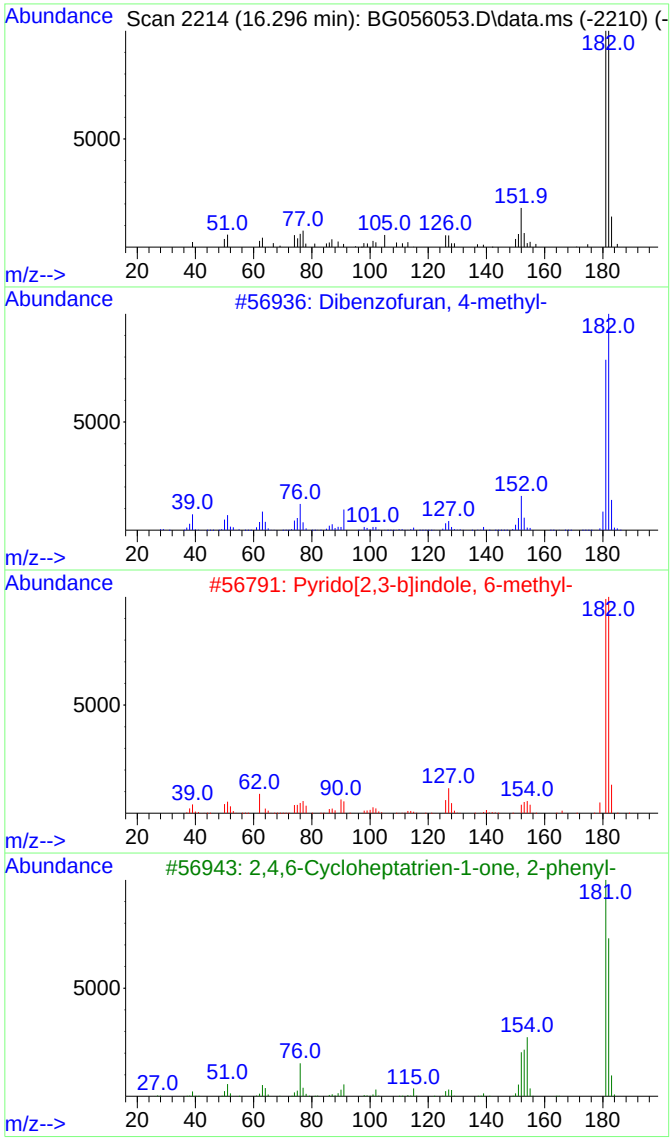
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

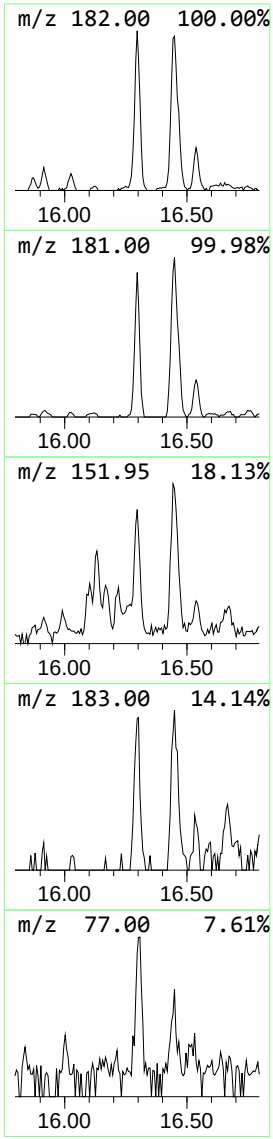
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.296	7.67 ng	74557	Acenaphthene-d10	14.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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

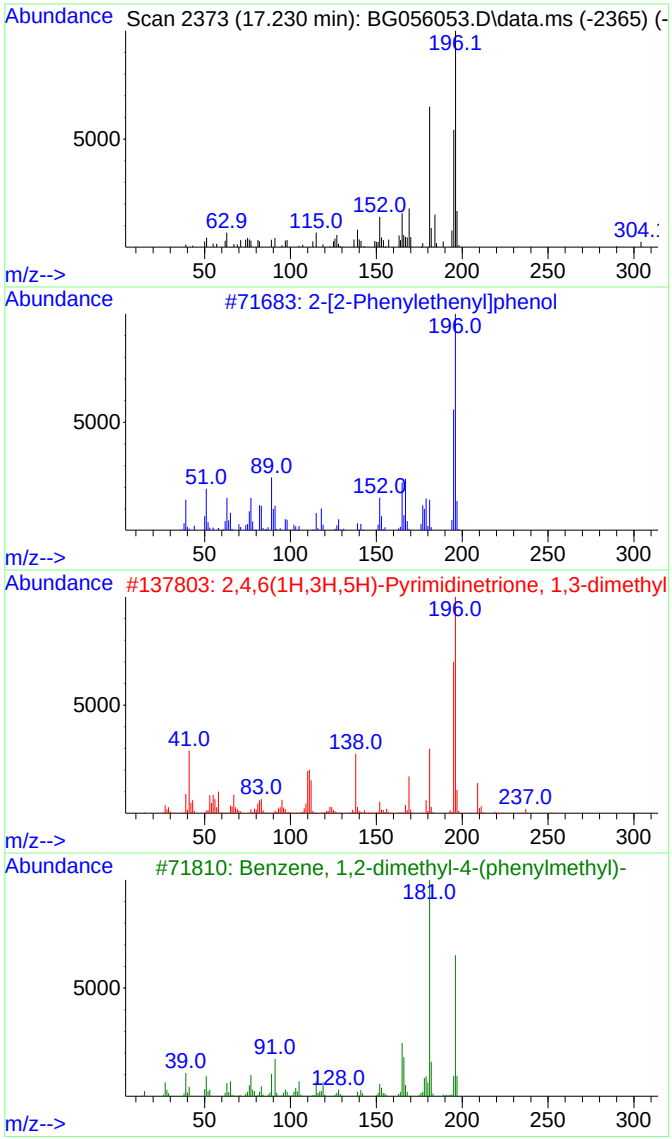
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

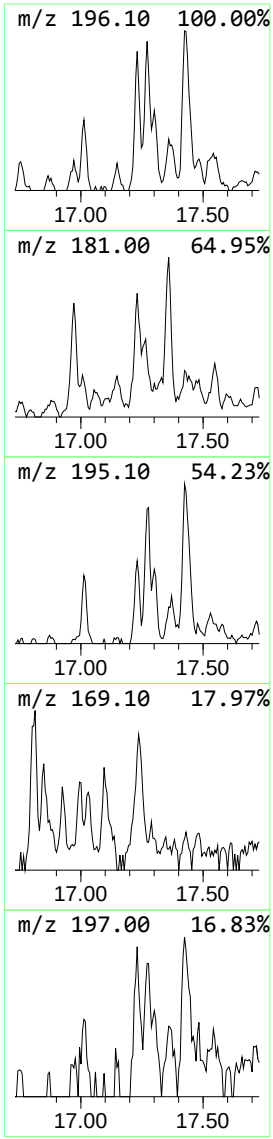
****

Peak Number 3 2-[2-Phenylethenyl]phenol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.230	6.65 ng	58924	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	68
2	2,4,6(1H,3H,5H)-Pyrimidinetrione...	252	C13H20N2O3	055045-04-0	59
3	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	52
4	Benzaldehyde, 2,3,4-trimethoxy-	196	C10H12O4	002103-57-3	50
5	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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

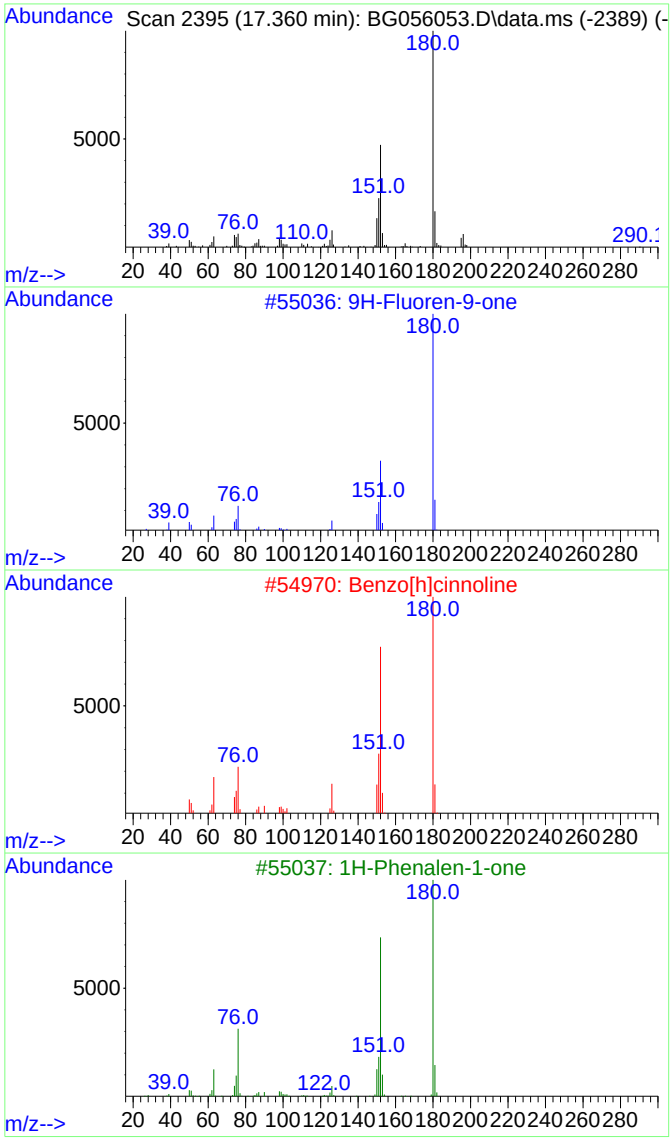
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

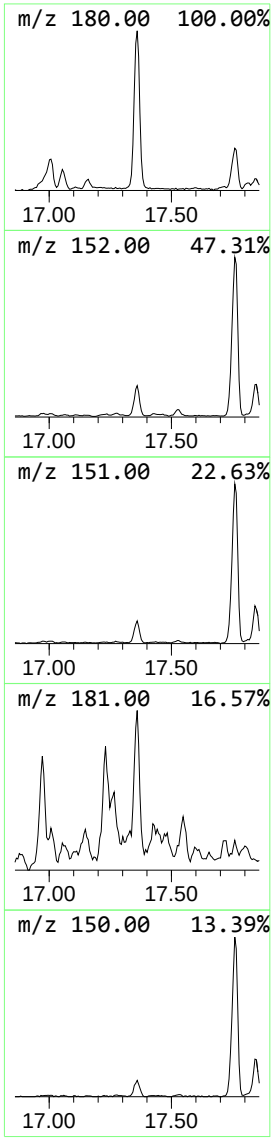
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.360	15.95 ng	141245	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4	9-Aminofluorene	181	C13H11N	000525-03-1	43
5	Phenazine	180	C12H8N2	000092-82-0	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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

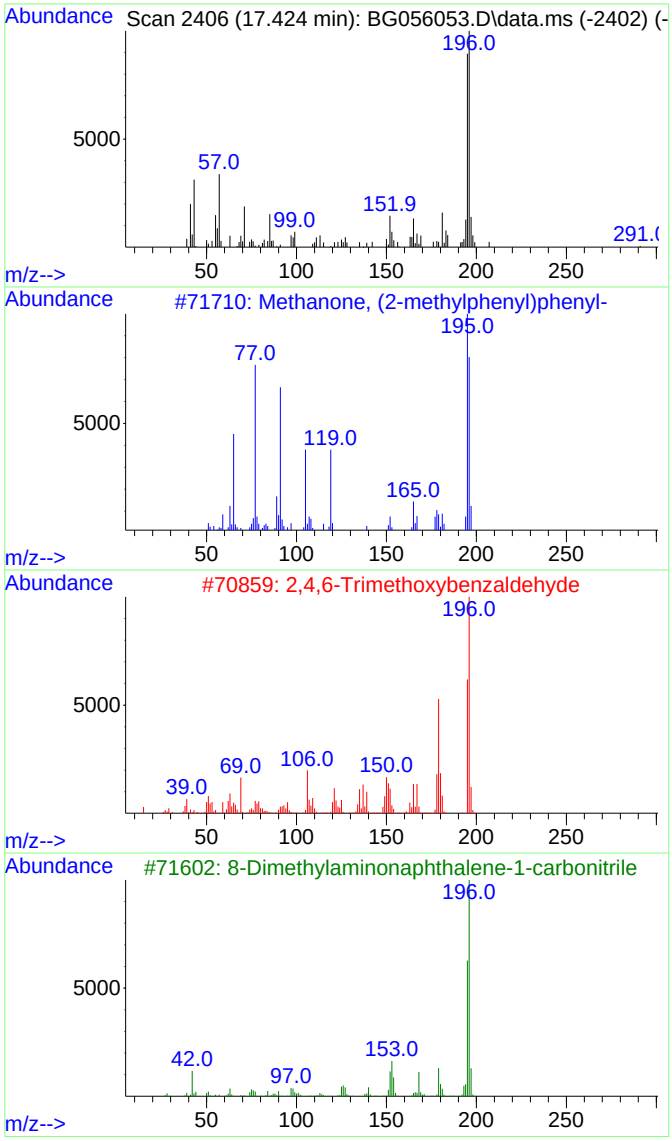
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

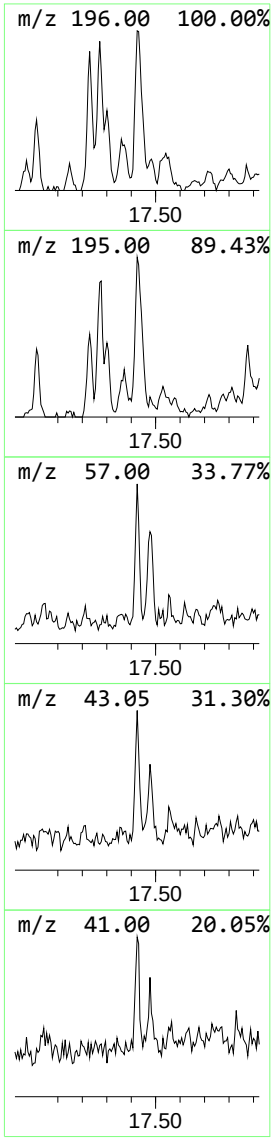
****

Peak Number 5 Methanone, (2-methylphenyl)... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.424	7.87 ng	69725	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	87
2	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	80
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
4	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	58
5	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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

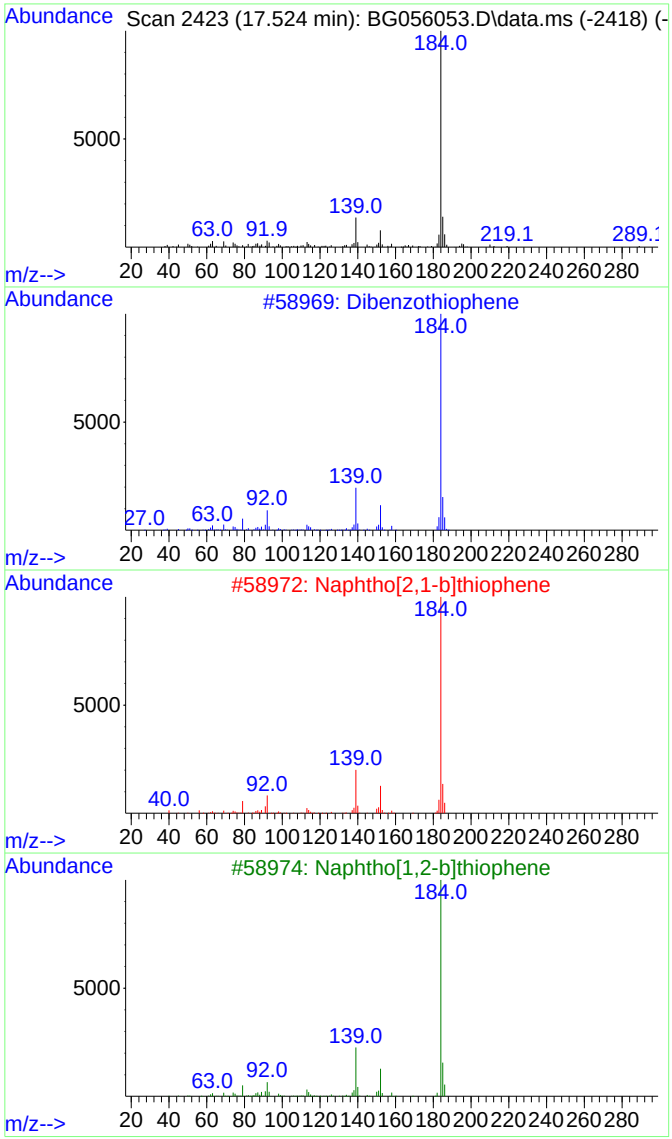
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

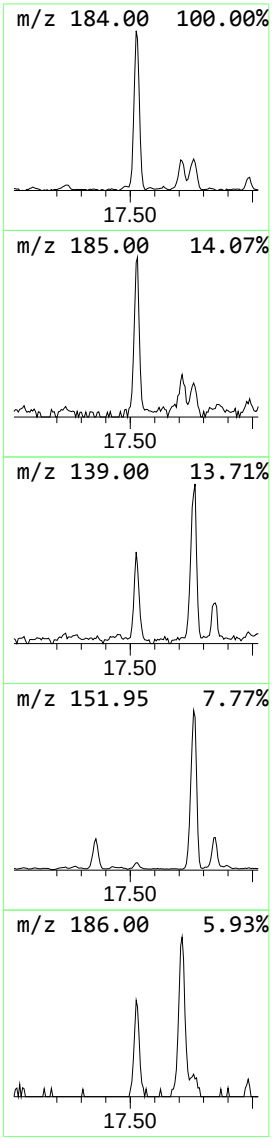
****

Peak Number 6 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.524	14.45 ng	127967	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Data File : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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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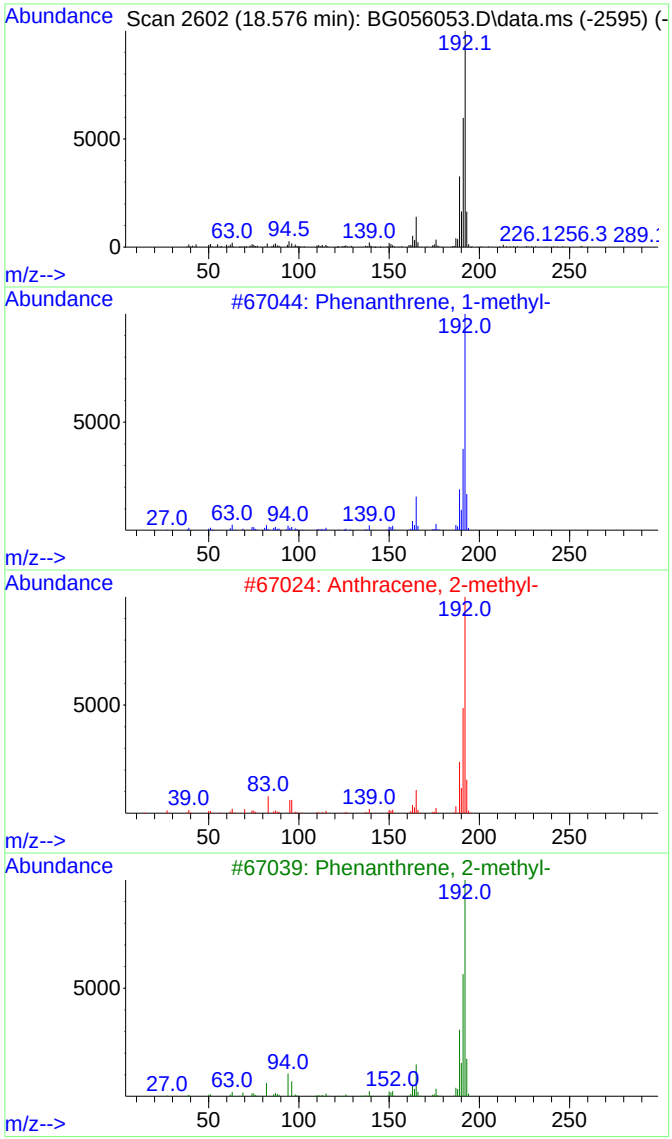
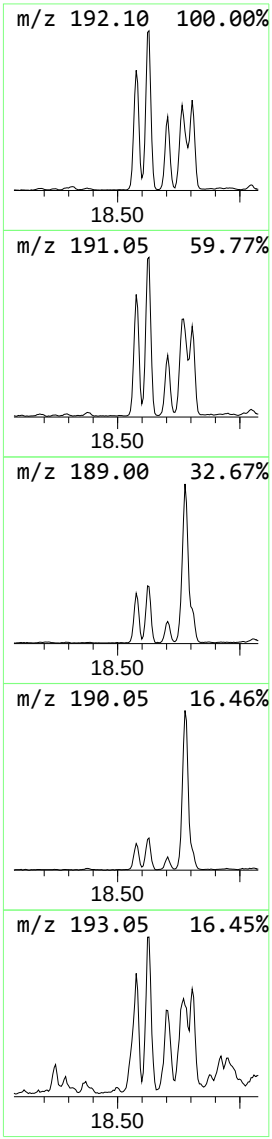
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.576	45.51 ng	403128	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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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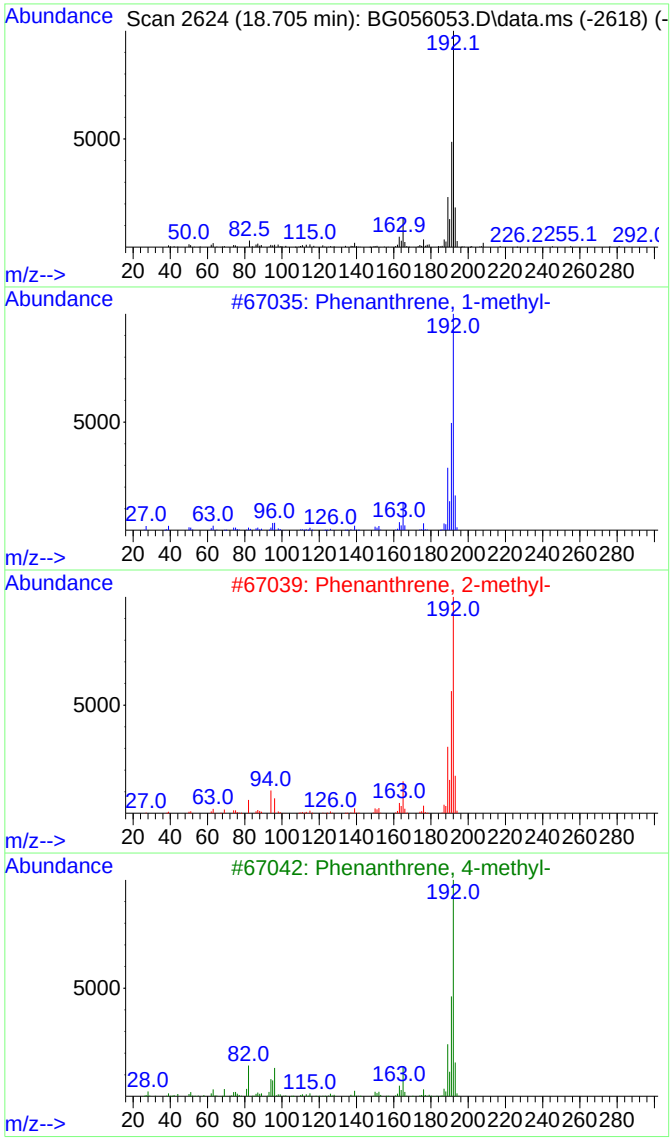
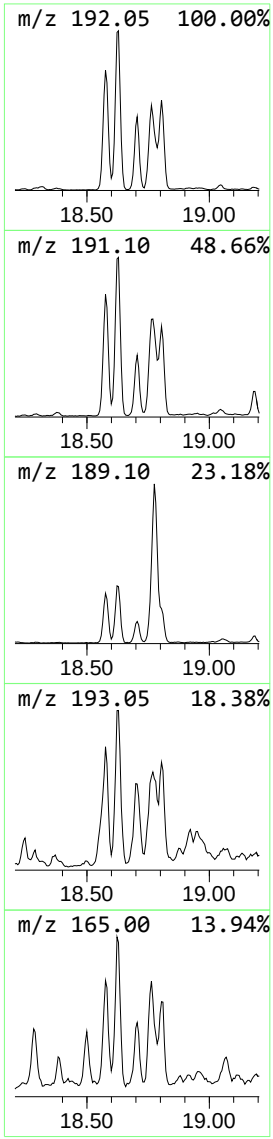
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.705	18.41 ng	163038	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
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 : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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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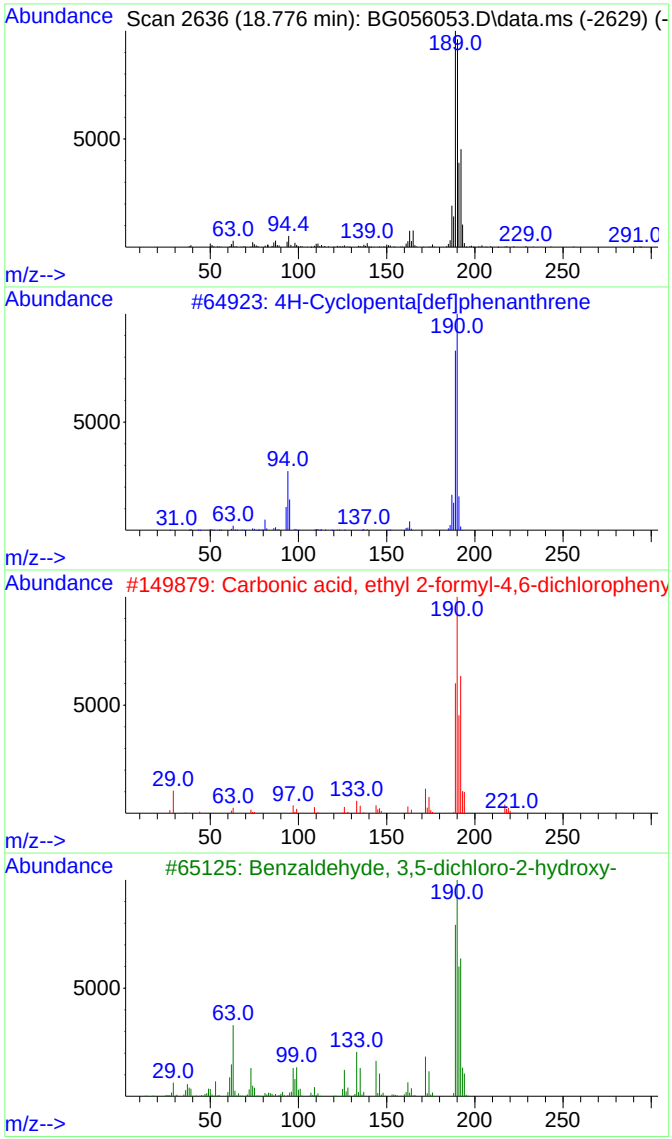
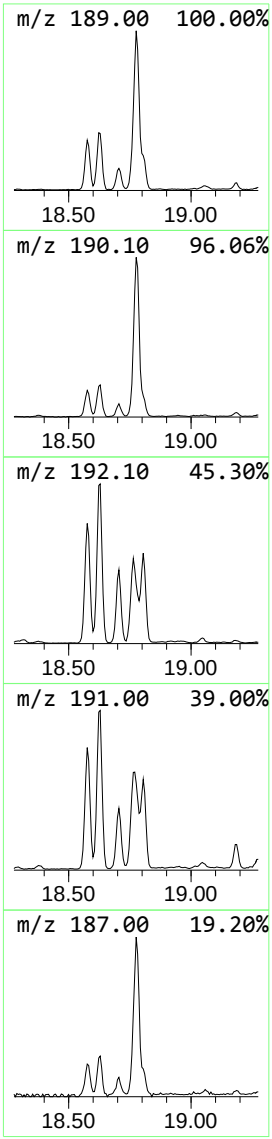
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.776	65.02 ng	575958	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
4	Methyl diselenide	190	C2H6Se2	007101-31-7	38
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





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Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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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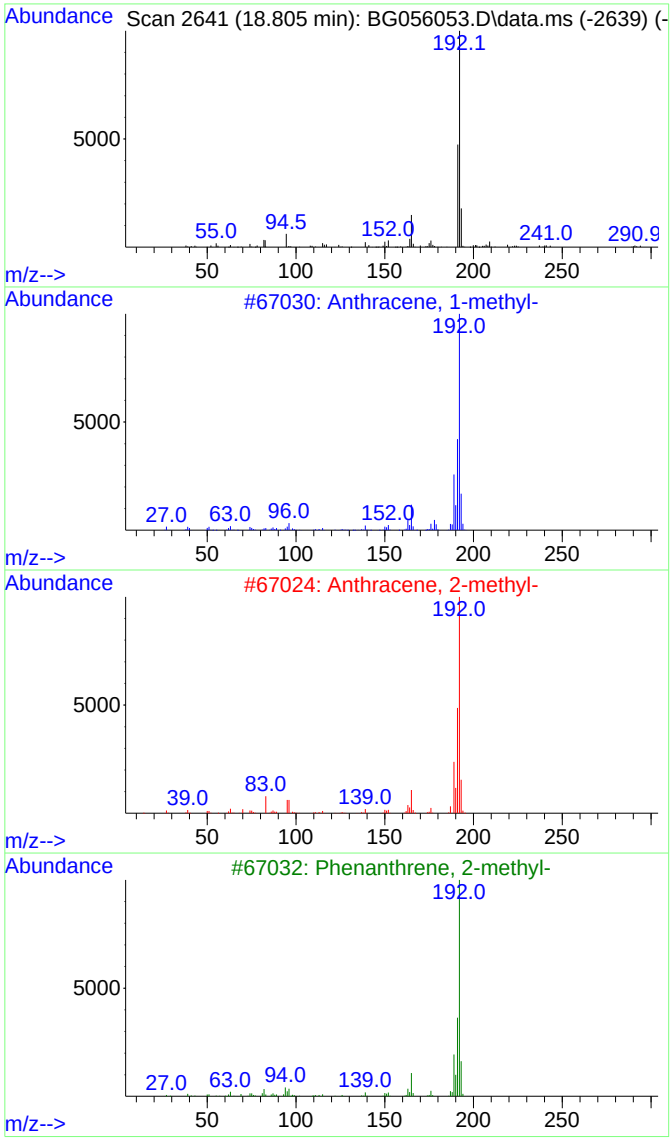
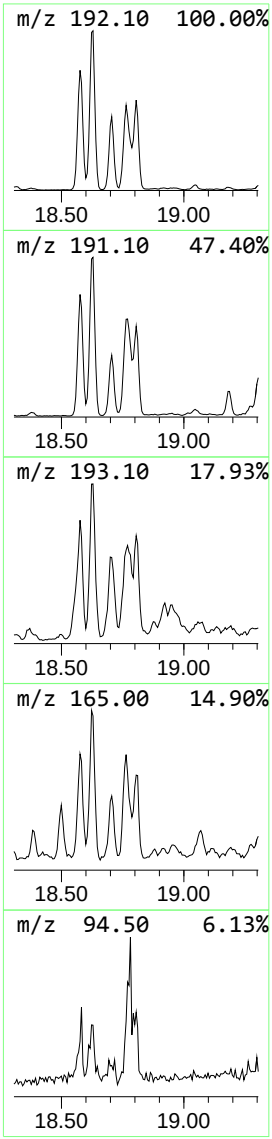
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.805	19.44 ng	172203	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86





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Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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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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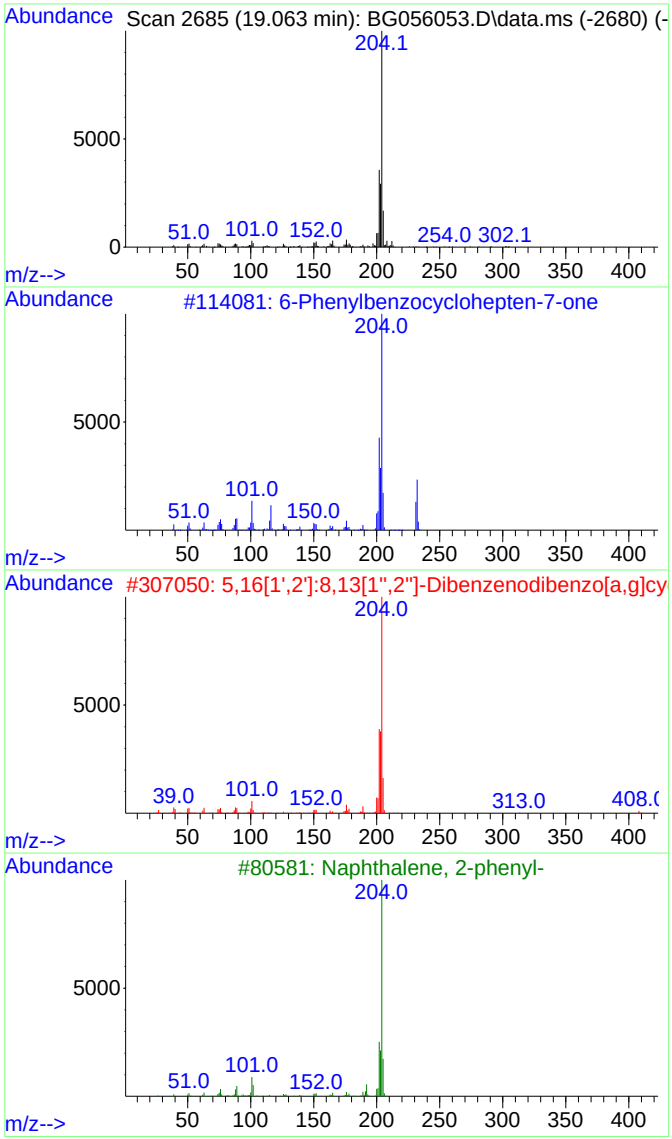
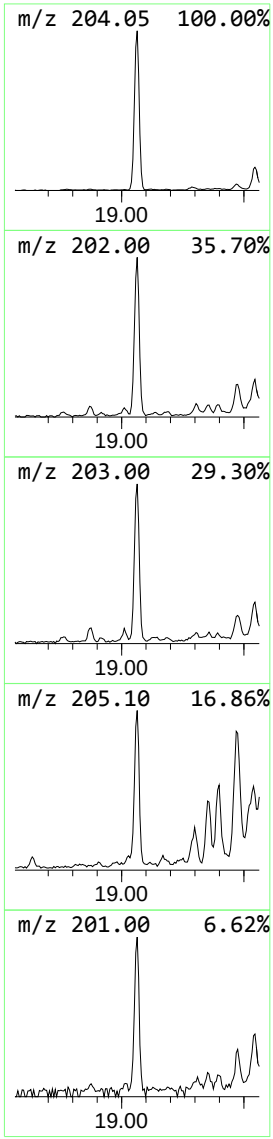
Peak Number 11 6-Phenylbenzocyclohepten-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.063	29.43 ng	260666	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	74
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72





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Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 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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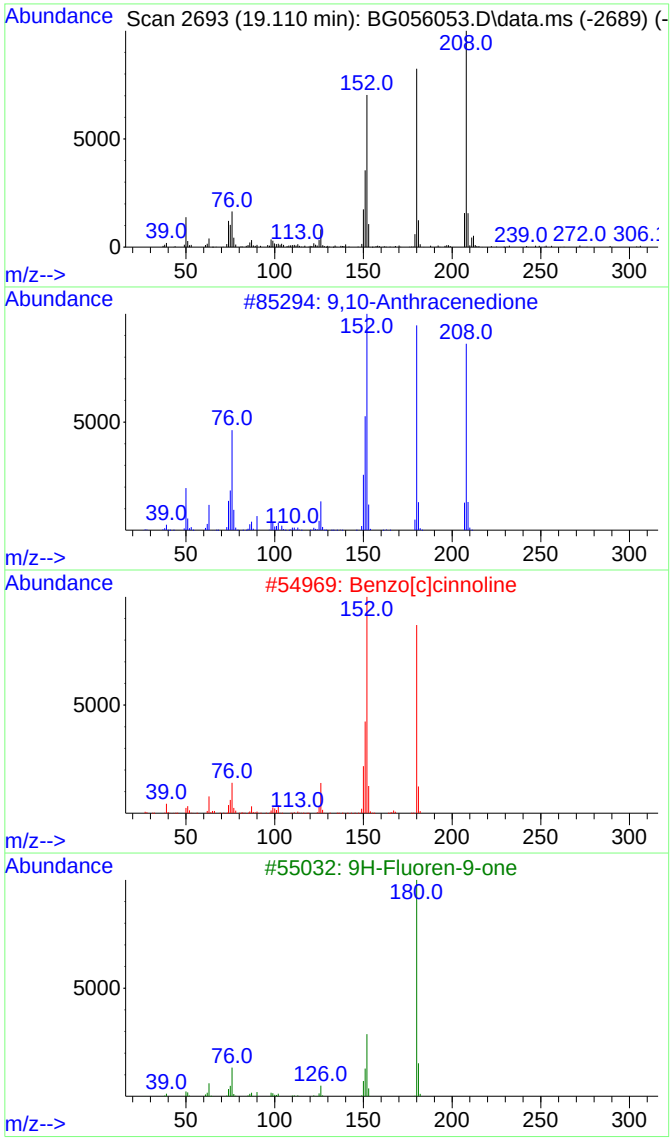
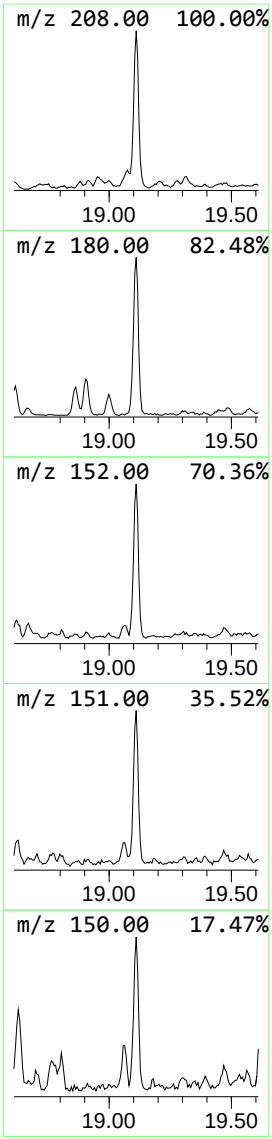
Peak Number 12 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.110	25.28 ng	223928	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





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Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FS-02-(0-2)

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

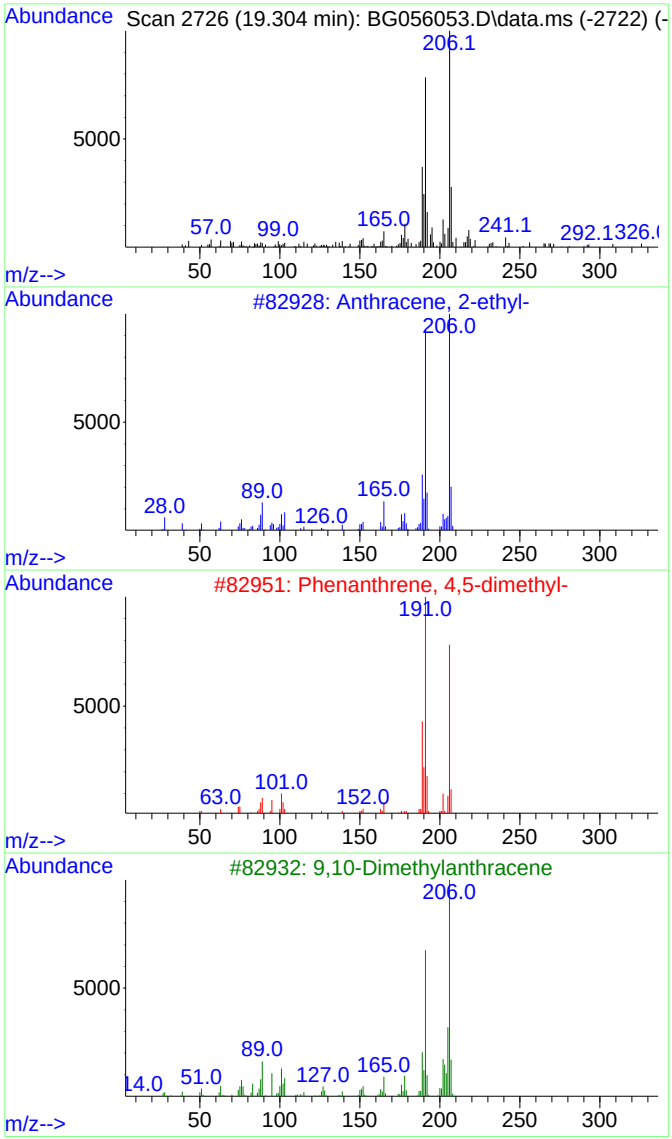
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

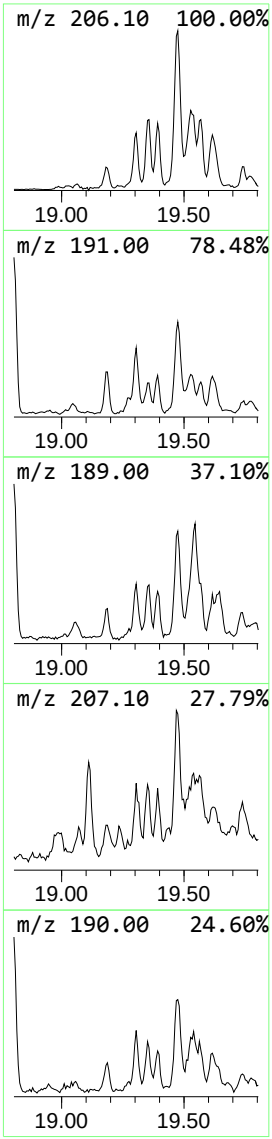
****

Peak Number 13 Anthracene, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.304	9.96 ng	88245	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	74
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	64
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	62





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Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FS-02-(0-2)

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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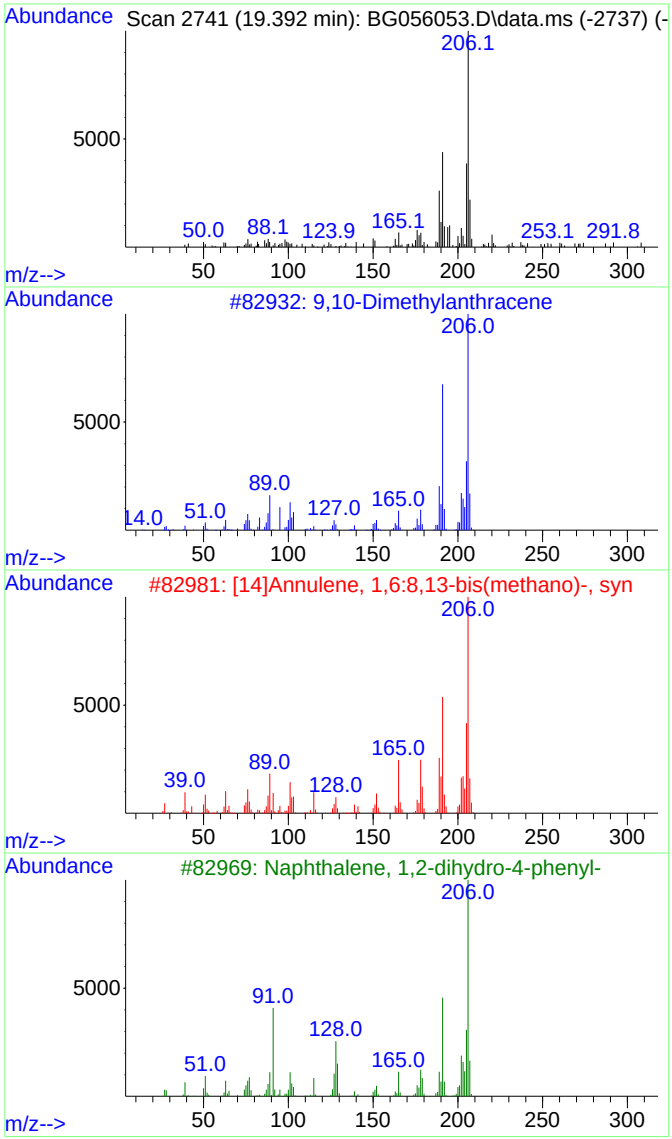
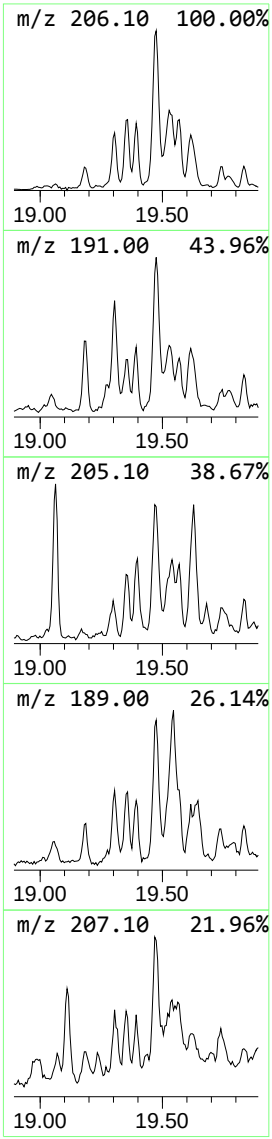
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.392	8.97 ng	79459	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	87
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	80
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	76





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Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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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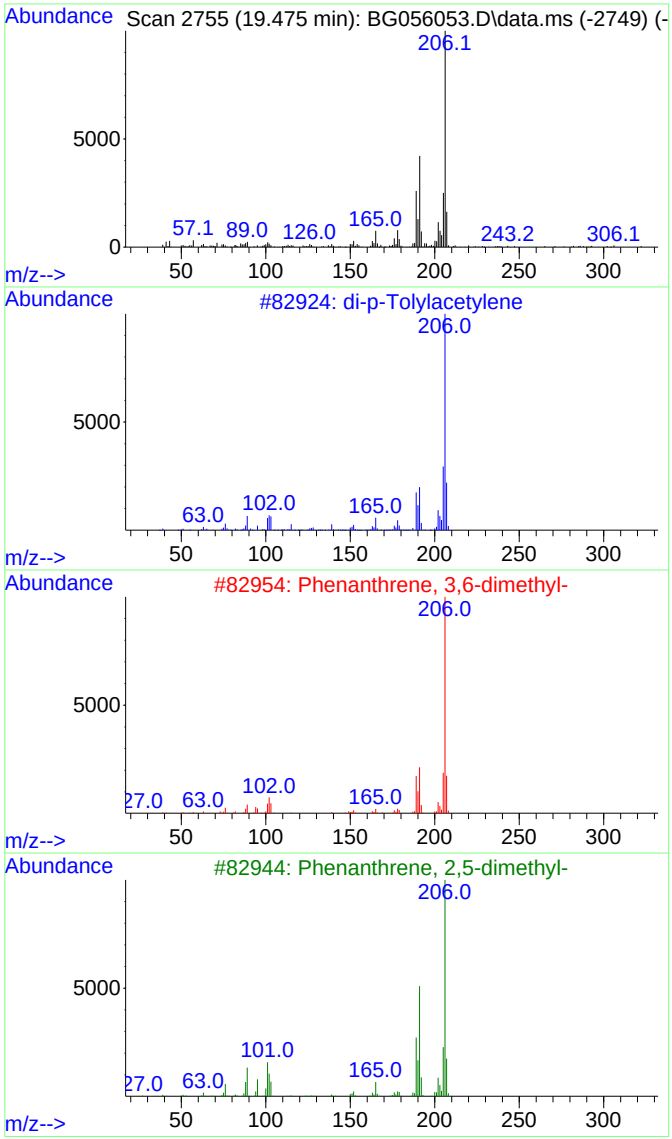
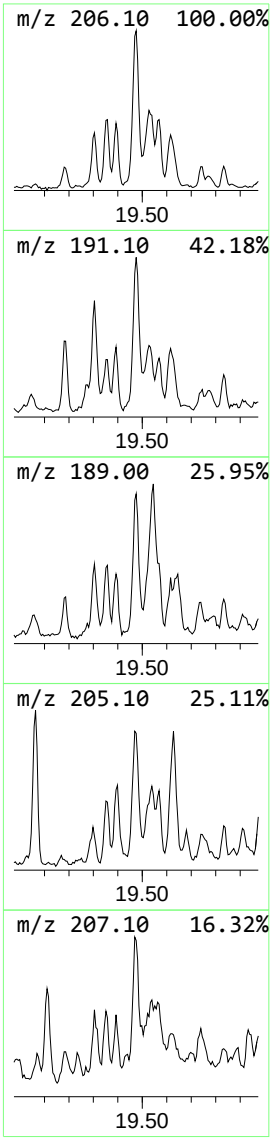
Peak Number 15 di-p-Tolylacetylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.475	33.36 ng	295518	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83





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Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

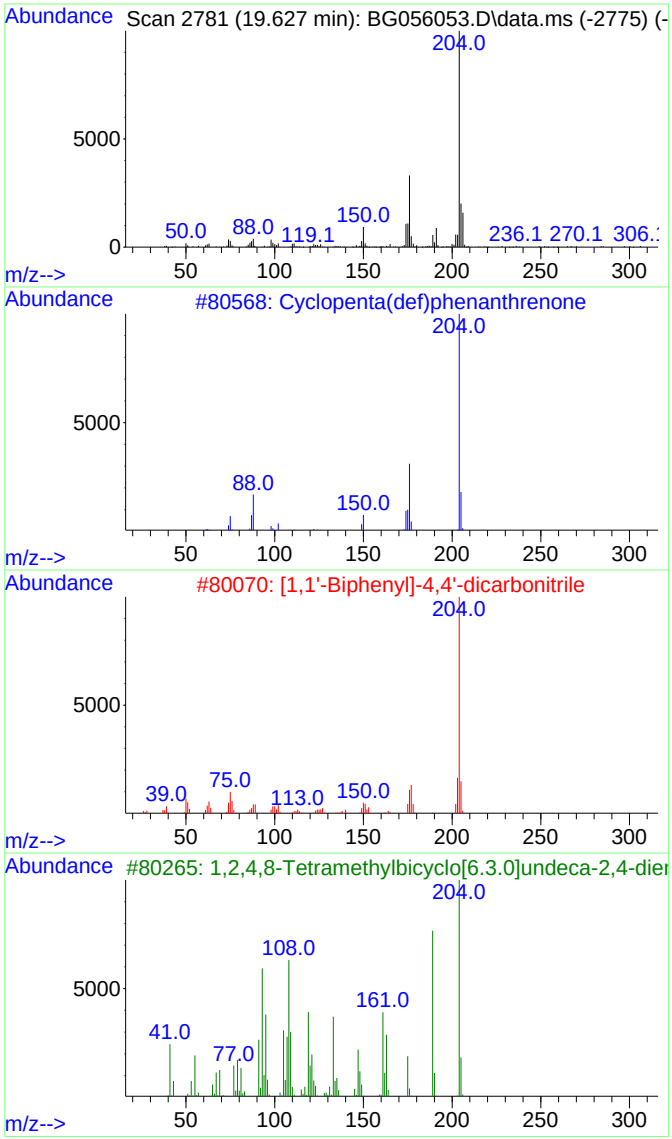
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

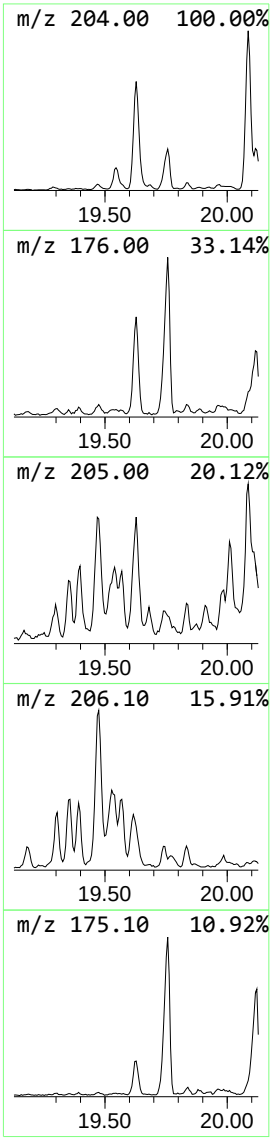
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.627	30.54 ng	270498	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
4	Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	52
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50





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Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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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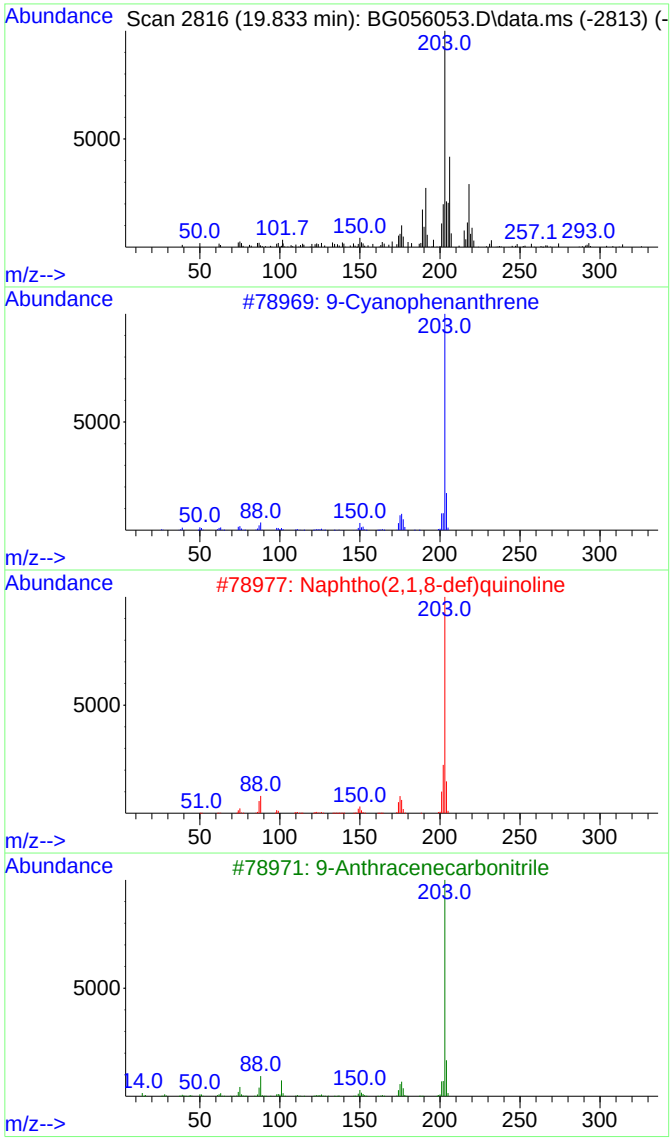
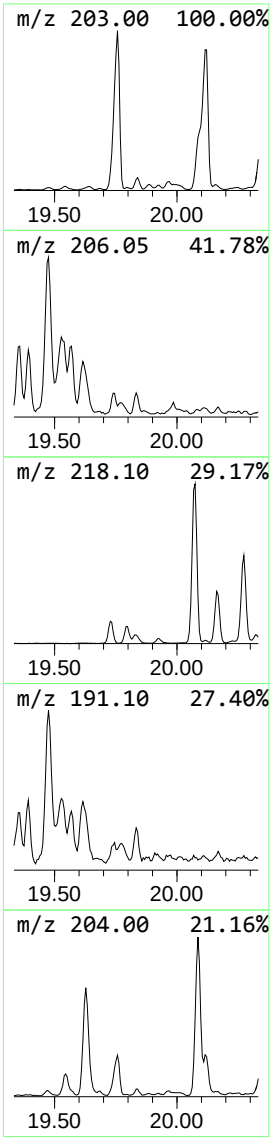
Peak Number 17 9-Cyanophenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.833	11.73 ng	103940	Phenanthrene-d10	17.712

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Cyanophenanthrene	203	C15H9N	002510-55-6	62
2	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	46
3	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	46
4	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	46
5	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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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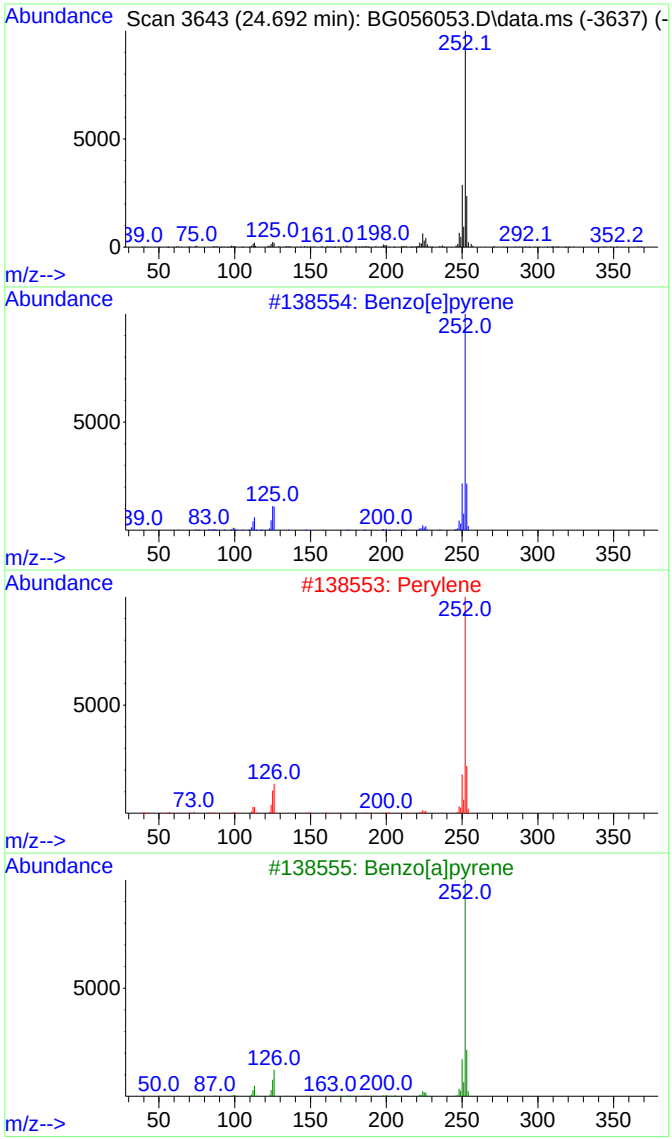
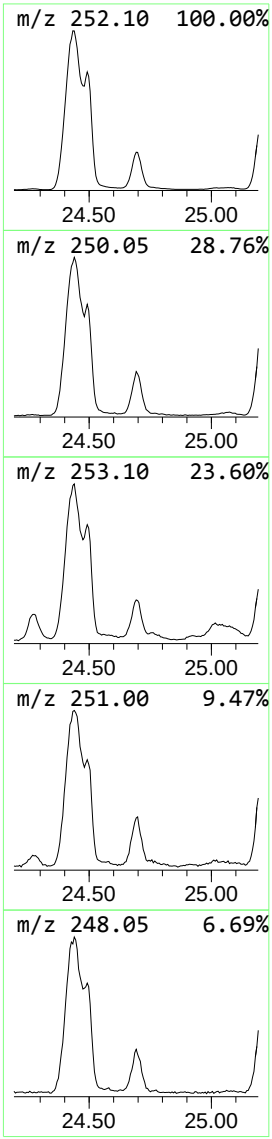
Peak Number 18 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.692	10.82 ng	362172	Perylene-d12	25.532

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Perylene	252	C20H12	000198-55-0	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	87
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	74
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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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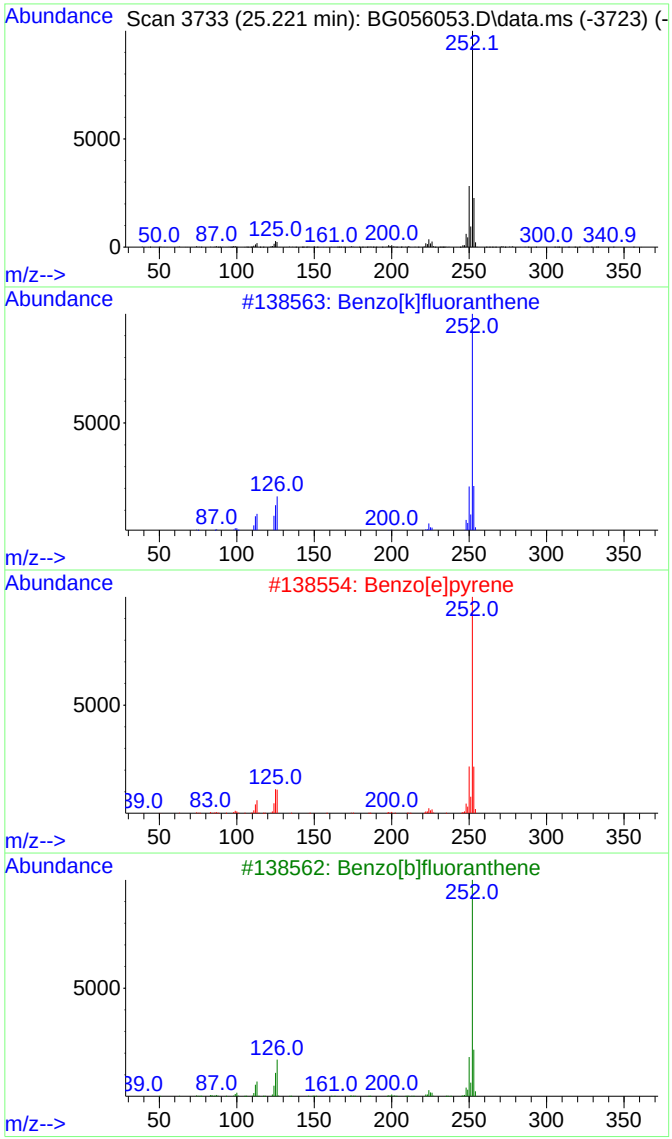
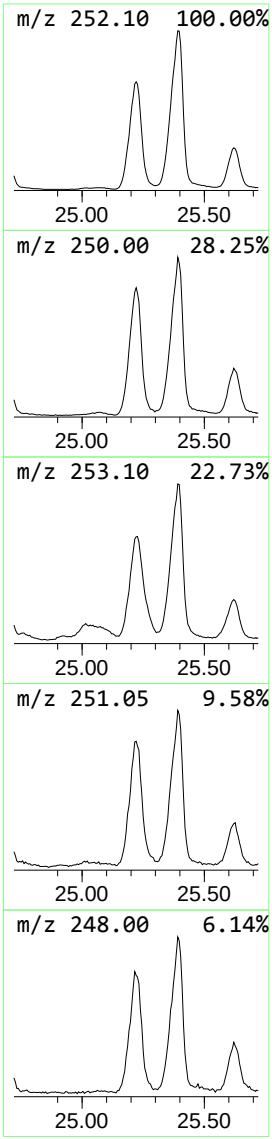
Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.221	49.44 ng	1655480	Perylene-d12	25.532

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	87
4	Perylene	252	C20H12	000198-55-0	81
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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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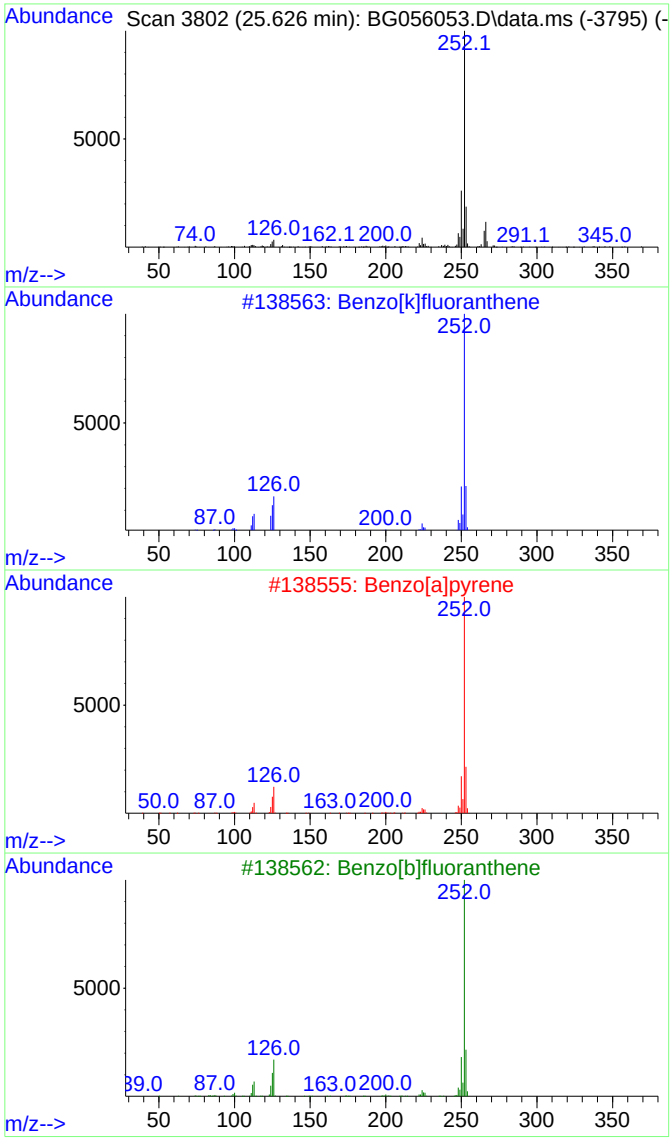
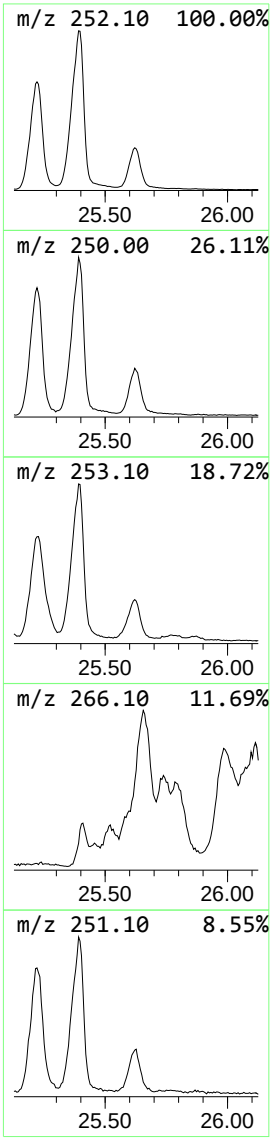
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.626	20.00 ng	669741	Perylene-d12	25.532

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86
2	Benzo[a]pyrene	252	C20H12	000050-32-8	76
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	76
4	Perylene	252	C20H12	000198-55-0	70
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056053.D
Acq On : 21 Dec 2022 18:05
Operator : CG/JU
Sample : N6151-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-02-(0-2)

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
2-Pentanone, 4-...	5.403	29.8	ng	97257	1	8.364	65178	20.0
Dibenzofuran, 4...	16.296	7.7	ng	74557	3	14.968	194296	20.0
2-[2-Phenylethe...	17.230	6.7	ng	58924	4	17.712	177159	20.0
9H-Fluoren-9-one	17.360	15.9	ng	141245	4	17.712	177159	20.0
Methanone, (2-m...	17.424	7.9	ng	69725	4	17.712	177159	20.0
Dibenzothiophene	17.524	14.4	ng	127967	4	17.712	177159	20.0
Phenanthrene, 1...	18.576	45.5	ng	403128	4	17.712	177159	20.0
Phenanthrene, 2...	18.705	18.4	ng	163038	4	17.712	177159	20.0
4H-Cyclopenta[d...	18.776	65.0	ng	575958	4	17.712	177159	20.0
Anthracene, 1-m...	18.805	19.4	ng	172203	4	17.712	177159	20.0
6-Phenylbenzocy...	19.063	29.4	ng	260666	4	17.712	177159	20.0
9,10-Anthracene...	19.110	25.3	ng	223928	4	17.712	177159	20.0
Anthracene, 2-e...	19.304	10.0	ng	88245	4	17.712	177159	20.0
9,10-Dimethylan...	19.392	9.0	ng	79459	4	17.712	177159	20.0
di-p-Tolylacety...	19.475	33.4	ng	295518	4	17.712	177159	20.0
Cyclopenta(def)...	19.627	30.5	ng	270498	4	17.712	177159	20.0
9-Cyanophenanth...	19.833	11.7	ng	103940	4	17.712	177159	20.0
Benzo[e]pyrene	24.692	10.8	ng	362172	6	25.532	669741	20.0
Perylene	25.221	49.4	ng	1655480	6	25.532	669741	20.0
Benzo[j]fluoran...	25.626	20.0	ng	669741	6	25.532	669741	20.0