LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
Data File : BG064313.D
Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

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-BG082825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064313.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.439	393	400	407	rBV2	74588	124236	2.50%	0.245%
2	7.019	662	669	675	rBV	85636	144010	2.90%	0.284%
3	7.848	804	810	820	rVB2	116396	189730	3.82%	0.374%
4	8.999	1000	1006	1015	rVB	50725	85398	1.72%	0.168%
5	10.639	1278	1285	1292	rBV	150946	268429	5.41%	0.530%
6	13.094	1697	1703	1710	rBV	121322	183956	3.71%	0.363%
7	13.647	1789	1797	1805	rVB4	24813	63389	1.28%	0.125%
8	13.800	1816	1823	1827	rBV	50405	86565	1.74%	0.171%
9	14.199	1884	1891	1898	rBV2	45886	84859	1.71%	0.167%
10	14.475	1928	1938	1944	rBV	251590	407325	8.20%	0.804%
11	14.540	1944	1949	1956	rVB2	58716	103150	2.08%	0.203%
12	14.875	1996	2006	2013	rBV	101275	173221	3.49%	0.342%
13	15.521	2110	2116	2121	rBV	235327	342387	6.90%	0.675%
14	15.815	2162	2166	2175	rVB	77164	138698	2.79%	0.274%
15	15.962	2182	2191	2199	rVB2	212872	364943	7.35%	0.720%
16	16.197	2226	2231	2240	rVB5	40664	72609	1.46%	0.143%
17	16.520	2277	2286	2292	rBV3	73340	174264	3.51%	0.344%
18	16.573	2292	2295	2300	rVB3	39920	56283	1.13%	0.111%
19	16.673	2308	2312	2317	rVB3	36694	56939	1.15%	0.112%
20	16.755	2317	2326	2329	rBV3	49795	94509	1.90%	0.186%
21	16.872	2341	2346	2353	rVB	67430	115794	2.33%	0.228%
22	16.949	2353	2359	2364	rBV3	53452	101728	2.05%	0.201%
23	17.037	2369	2374	2383	rVB	115481	194680	3.92%	0.384%
24	17.219	2399	2405	2408	rBV	312672	505737	10.19%	0.998%
25	17.260	2408	2412	2418	rVV	1712485	2615385	52.68%	5.159%
26	17.348	2418	2427	2432	rVV	417569	628799	12.67%	1.240%
27	17.401	2432	2436	2442	rVB3	41667	79872	1.61%	0.158%
28	17.619	2468	2473	2476	rBV	59464	85220	1.72%	0.168%
29	17.736	2488	2493	2497	rVV3	61876	96760	1.95%	0.191%
30	17.795	2497	2503	2513	rVB2	83289	144225	2.91%	0.285%
31	17.942	2523	2528	2536	rVB	44081	86757	1.75%	0.171%
32	18.089	2544	2553	2557	rBV	307762	503444	10.14%	0.993%
33	18.142	2557	2562	2568	rVB	435657	653470	13.16%	1.289%
34	18.218	2570	2575	2580	rBV	140346	221847	4.47%	0.438%
35	18.288	2580	2587	2590	rBV3	509723	897829	18.08%	1.771%
36	18.318	2590	2592	2599	rVB	215537	308378	6.21%	0.608%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
Data File : BG064313.D
Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

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-BG082825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.588	2633	2638	2642	rBV	248701	353559	7.12%	0.697%
38	18.629	2642	2645	2650	rVB3	99426	145815	2.94%	0.288%
39	18.835	2677	2680	2684	rVV2	77954	108687	2.19%	0.214%
40	18.888	2684	2689	2692	rVV	87851	126979	2.56%	0.250%
41	18.923	2692	2695	2700	rVB	78928	104547	2.11%	0.206%
42	19.011	2702	2710	2714	rBV	193368	346859	6.99%	0.684%
43	19.070	2714	2720	2723	rVV3	113431	250257	5.04%	0.494%
44	19.099	2723	2725	2729	rVB2	65818	76341	1.54%	0.151%
45	19.146	2729	2733	2741	rBV2	186877	346040	6.97%	0.683%
46	19.281	2748	2756	2761	rBV	3307706	4964569	100.00%	9.793%
47	19.334	2761	2765	2768	rVV	70551	97961	1.97%	0.193%
48	19.369	2768	2771	2776	rVB3	83129	108578	2.19%	0.214%
49	19.469	2783	2788	2791	rBV6	44882	77480	1.56%	0.153%
50	19.511	2791	2795	2800	rVV	92253	134329	2.71%	0.265%
51	19.605	2806	2811	2812	rBV	551552	660041	13.30%	1.302%
52	19.640	2812	2817	2824	rVV	2789801	4260219	85.81%	8.404%
53	19.704	2824	2828	2835	rVB2	179679	286595	5.77%	0.565%
54	19.810	2841	2846	2848	rBV	199257	299081	6.02%	0.590%
55	19.834	2848	2850	2853	rVB	232457	229532	4.62%	0.453%
56	19.869	2853	2856	2862	rVB3	106947	157153	3.17%	0.310%
57	19.951	2864	2870	2871	rBV	248557	340597	6.86%	0.672%
58	20.086	2889	2893	2896	rVV4	183131	325994	6.57%	0.643%
59	20.127	2896	2900	2904	rVB	505068	727885	14.66%	1.436%
60	20.227	2912	2917	2921	rBV	363753	482331	9.72%	0.951%
61	20.280	2921	2926	2931	rVV2	339704	565251	11.39%	1.115%
62	20.362	2937	2940	2946	rBV2	54992	81684	1.65%	0.161%
63	20.421	2946	2950	2954	rBV	177508	237567	4.79%	0.469%
64	20.468	2954	2958	2962	rVB	186961	249654	5.03%	0.492%
65	20.574	2974	2976	2983	rVB6	49309	79519	1.60%	0.157%
66	20.680	2990	2994	2996	rBV5	54975	87184	1.76%	0.172%
67	20.715	2997	3000	3002	rVV4	53912	62888	1.27%	0.124%
68	20.832	3016	3020	3022	rVV3	65303	94325	1.90%	0.186%
69	20.874	3023	3027	3033	rVB	295280	456158	9.19%	0.900%
70	21.050	3049	3057	3060	rBV3	308454	581785	11.72%	1.148%
71	21.091	3060	3064	3068	rVV	302502	473026	9.53%	0.933%
72	21.138	3068	3072	3077	rVV2	292644	569125	11.46%	1.123%
73	21.191	3077	3081	3090	rVB2	302561	522414	10.52%	1.031%
74	21.314	3099	3102	3105	rBV	48687	67201	1.35%	0.133%
75	21.438	3113	3123	3129	rBV2	1725961	3693595	74.40%	7.286%
76	21.502	3129	3134	3145	rVB	1411774	2460607	49.56%	4.854%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
Data File : BG064313.D
Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

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-BG082825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.637	3153	3157	3163	rBV	157129	261336	5.26%	0.516%
78	21.696	3163	3167	3174	rVV3	114981	228635	4.61%	0.451%
79	21.831	3185	3190	3198	rBV2	175893	357617	7.20%	0.705%
80	21.896	3198	3201	3206	rVB6	57314	84991	1.71%	0.168%
81	22.072	3227	3231	3234	rBV	71346	105019	2.12%	0.207%
82	22.143	3234	3243	3248	rVV	287968	661889	13.33%	1.306%
83	22.213	3249	3255	3261	rVB	163072	320611	6.46%	0.632%
84	22.337	3273	3276	3281	rVB2	88051	133360	2.69%	0.263%
85	22.401	3282	3287	3290	rVV	142279	253513	5.11%	0.500%
86	22.436	3290	3293	3301	rVB5	159927	295807	5.96%	0.584%
87	22.536	3302	3310	3322	rVB6	95590	284144	5.72%	0.561%
88	23.159	3409	3416	3433	rVB7	83799	351705	7.08%	0.694%
89	23.529	3469	3479	3485	rBV	967149	2984598	60.12%	5.888%
90	23.753	3511	3517	3525	rVB	189527	420332	8.47%	0.829%
91	23.941	3544	3549	3550	rBV5	56331	79502	1.60%	0.157%
92	24.193	3584	3592	3605	rVB	516226	1459200	29.39%	2.879%
93	24.334	3606	3616	3627	rVB2	815121	2167568	43.66%	4.276%
94	24.469	3630	3639	3645	rVV	235005	695597	14.01%	1.372%
95	24.540	3645	3651	3664	rVB2	221984	698748	14.07%	1.378%
96	25.733	3849	3854	3864	rVB5	58990	162931	3.28%	0.321%
97	27.865	4206	4217	4235	rVB2	331962	1545251	31.13%	3.048%
98	28.053	4241	4249	4250	rBV5	36139	76037	1.53%	0.150%
99	28.294	4281	4290	4300	rVB	75137	273811	5.52%	0.540%
100	28.923	4383	4397	4410	rBV2	229873	1042174	20.99%	2.056%

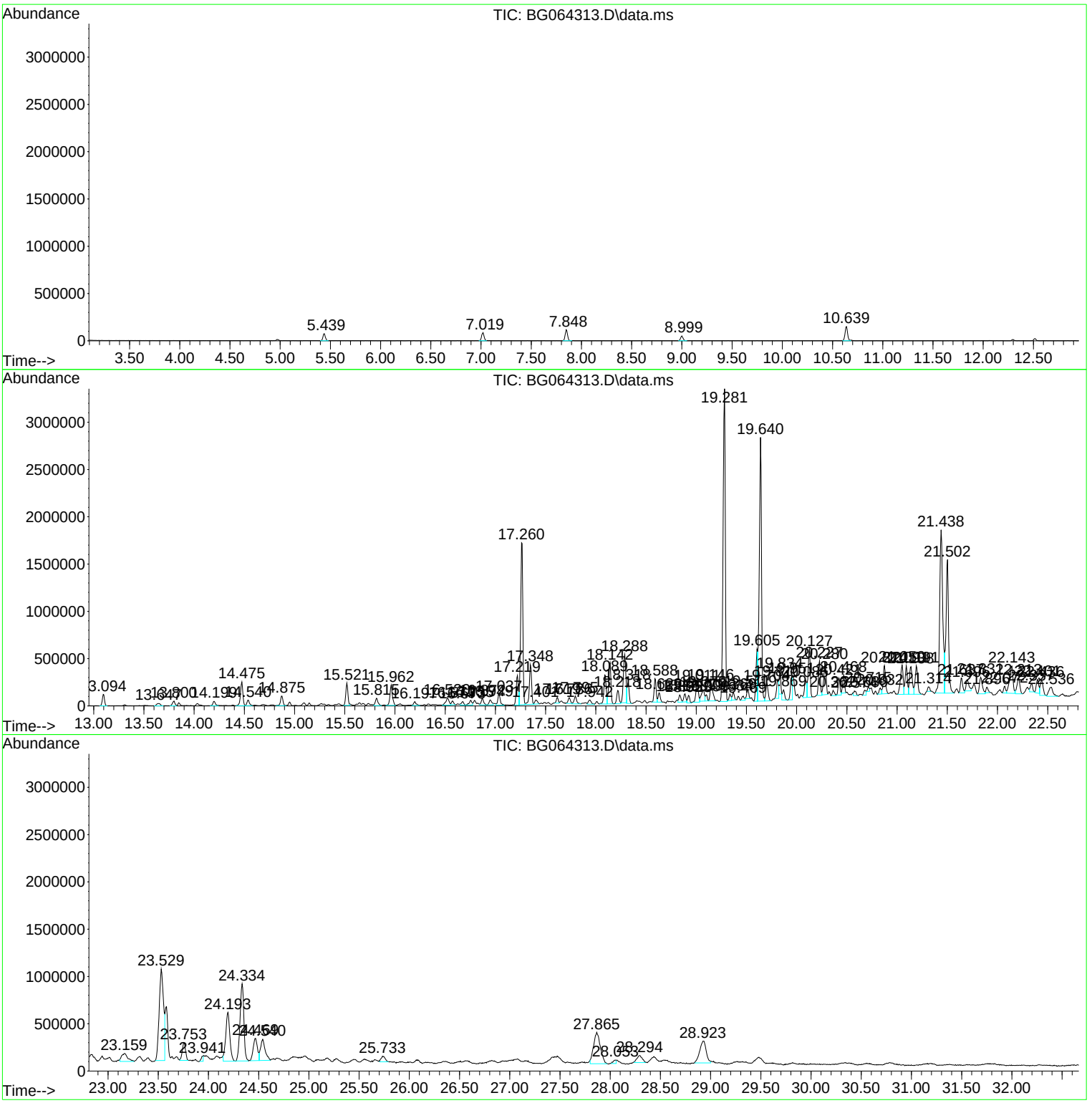
Sum of corrected areas: 50692613

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
Data File : BG064313.D
Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.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\BG090825\
Data File : BG064313.D
Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

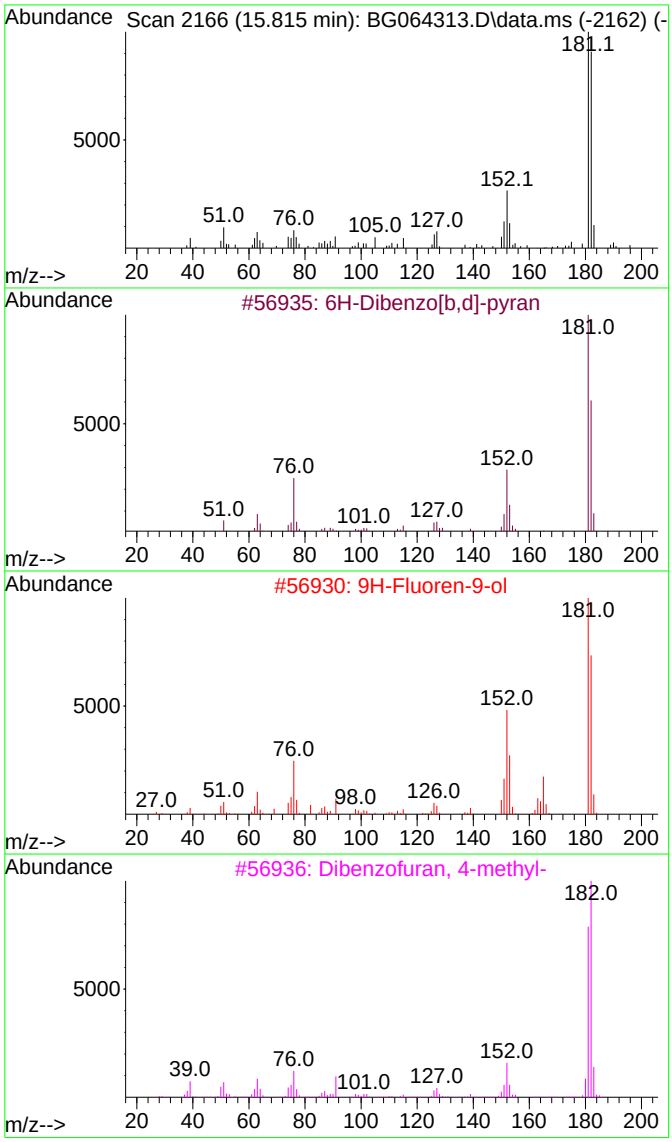
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

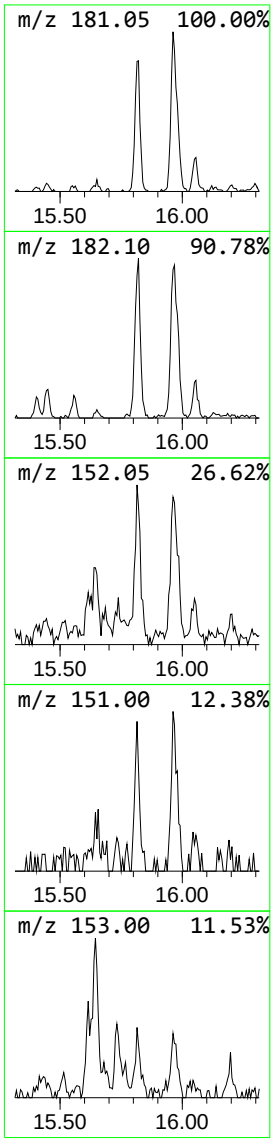
****

Peak Number 1 6H-Dibenzo[b,d]-pyran Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.815	6.81 ng	138698	Acenaphthene-d10	14.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	74
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
Data File : BG064313.D
Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

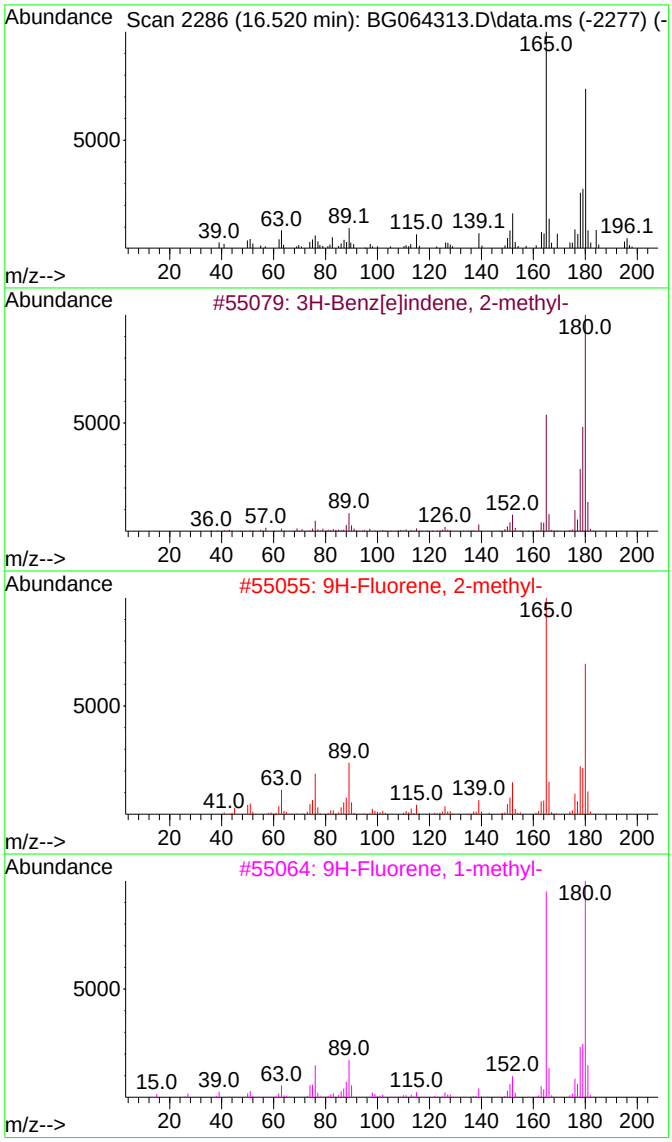
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

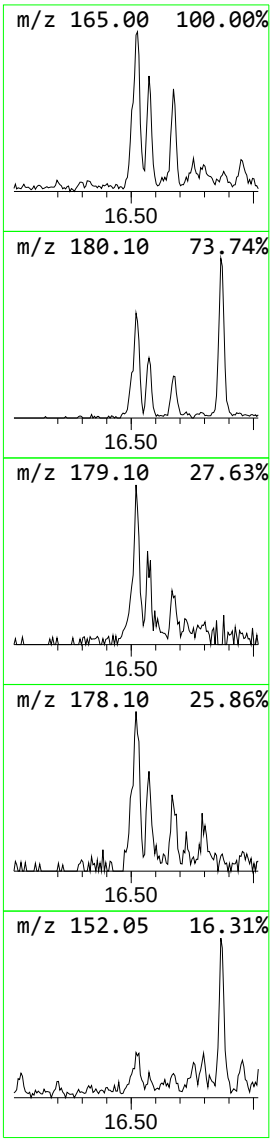
****

Peak Number 2 3H-Benz[e]indene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.520	6.89 ng	174264	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
Data File : BG064313.D
Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

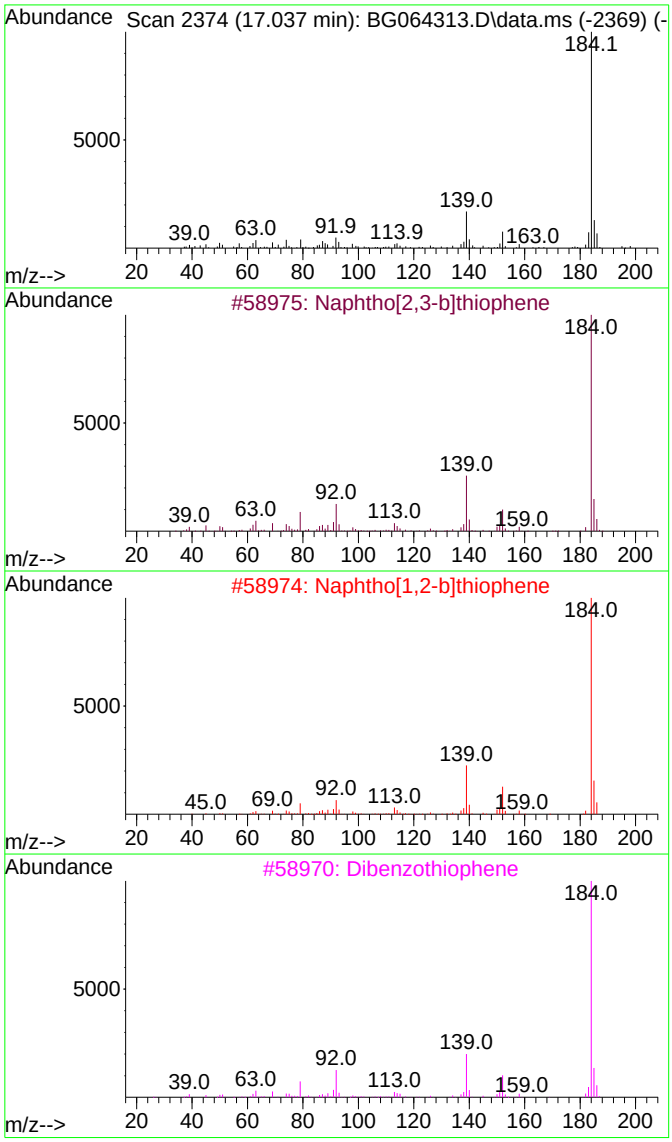
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

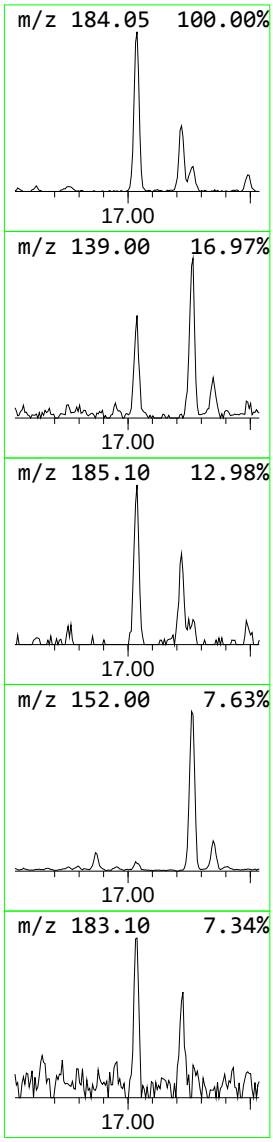
****

Peak Number 3 Naphtho[2,3-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.037	7.70 ng	194680	Phenanthrene-d10	17.219

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
Data File : BG064313.D
Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

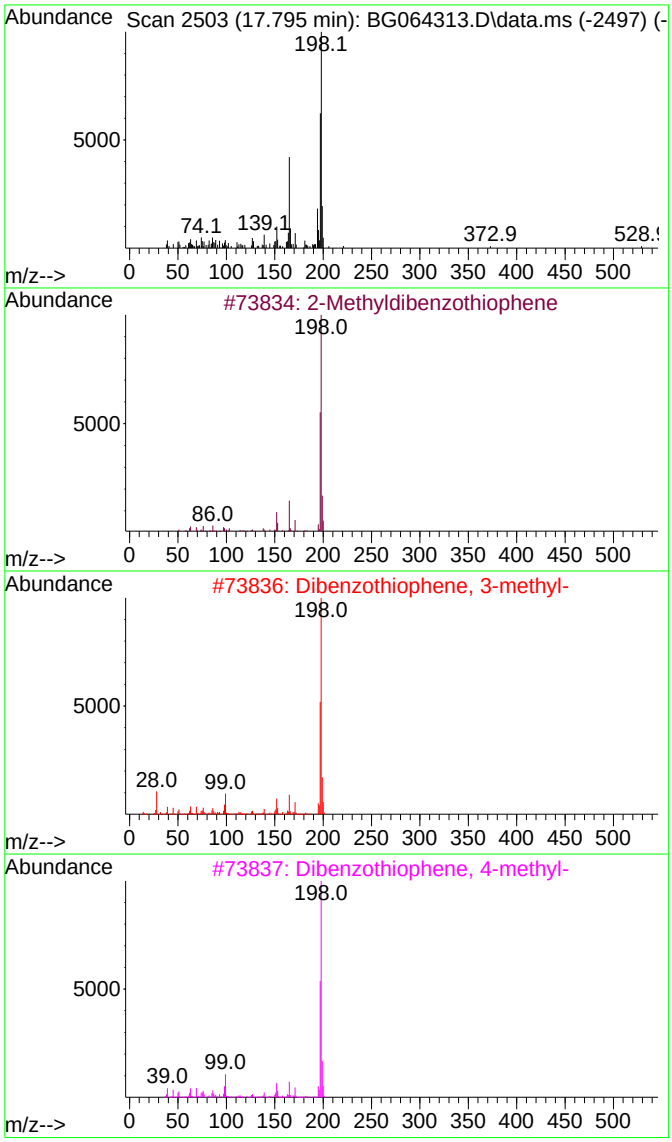
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

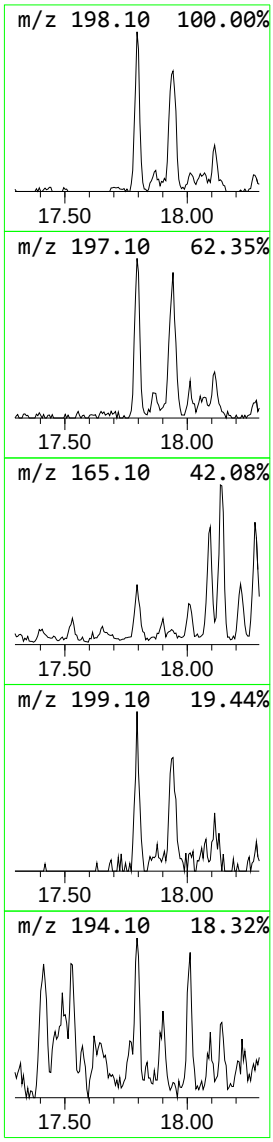
****

Peak Number 4 2-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.795	5.70 ng	144225	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	68
4	Methanethione, diphenyl-	198	C13H10S	001450-31-3	59
5	Thioxanthene	198	C13H10S	000261-31-4	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
Data File : BG064313.D
Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

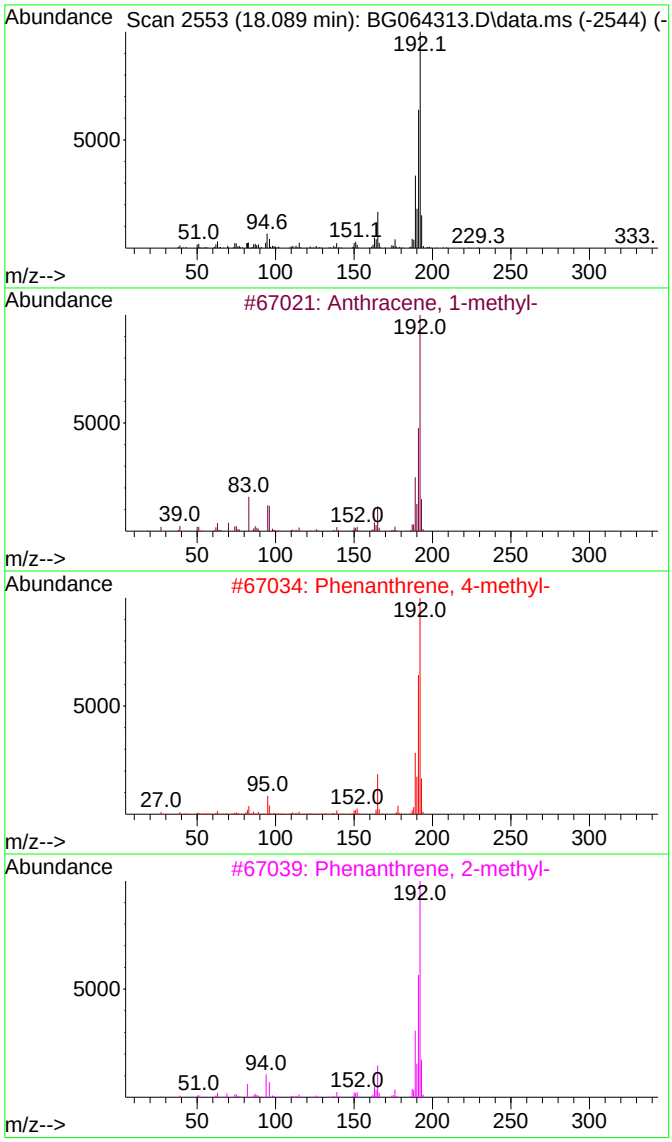
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

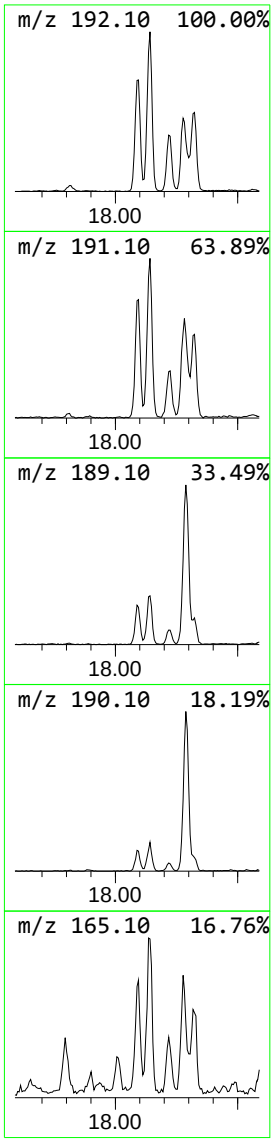
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.089	19.91 ng	503444	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

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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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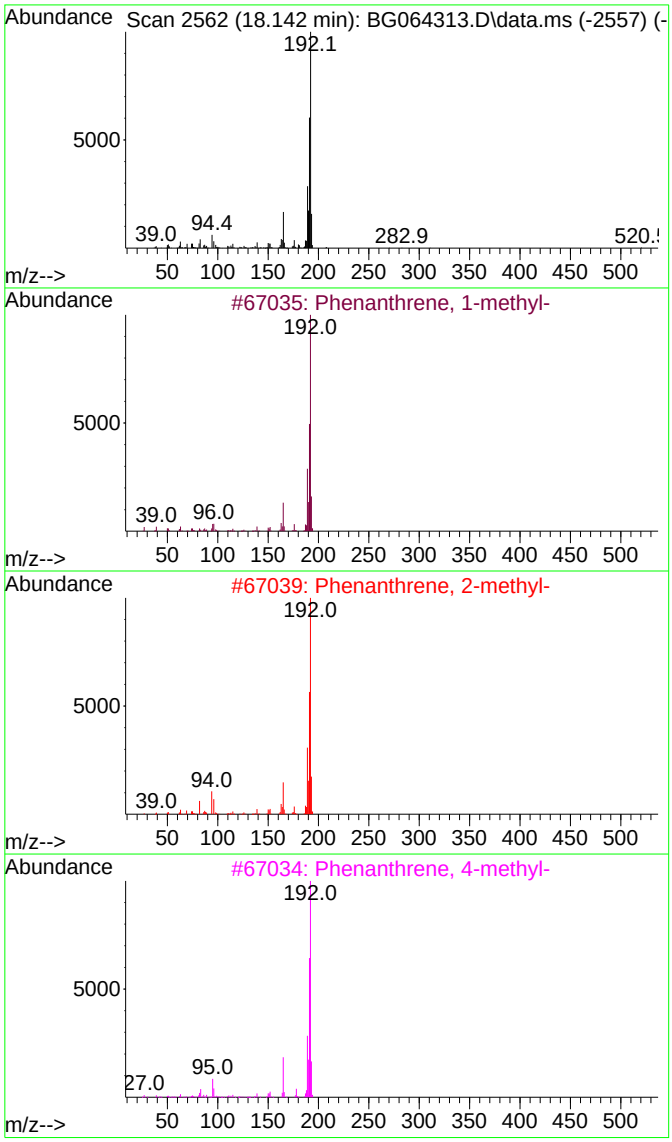
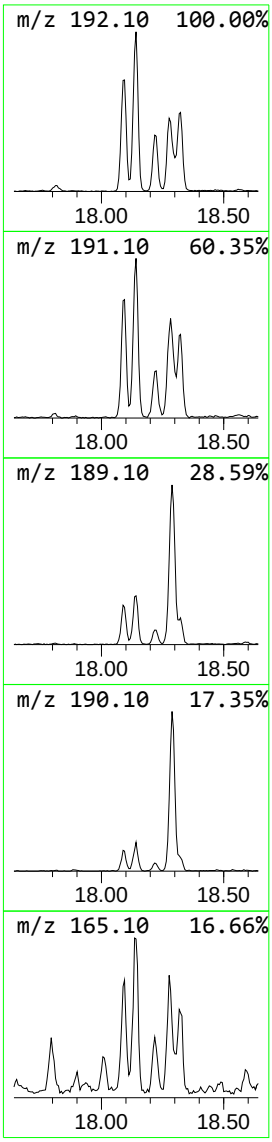
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.142	25.84 ng	653470	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.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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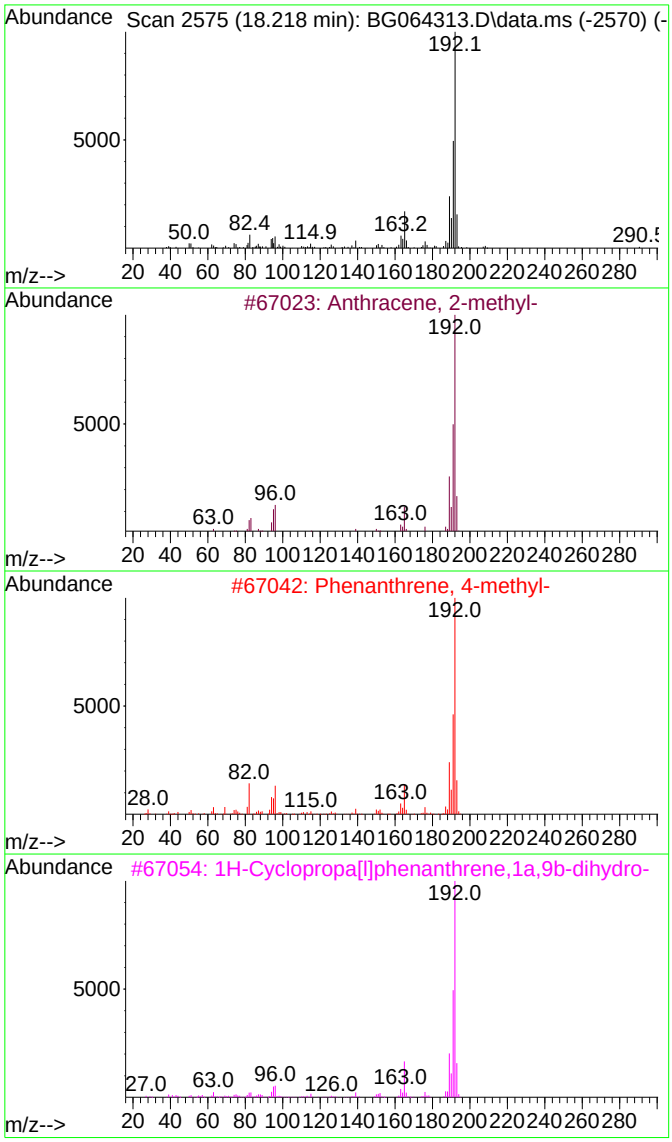
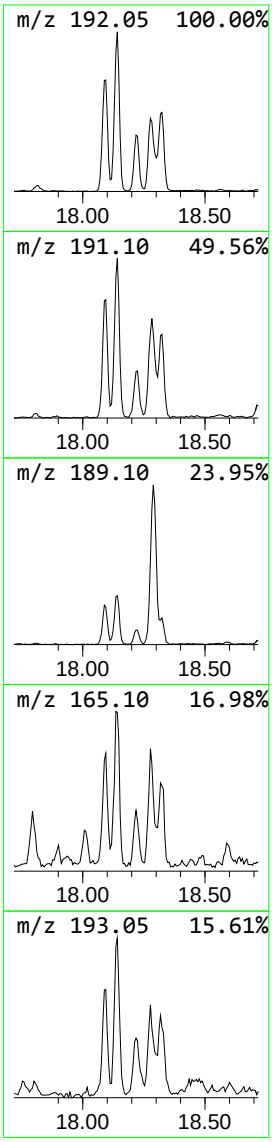
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.218	8.77 ng	221847	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.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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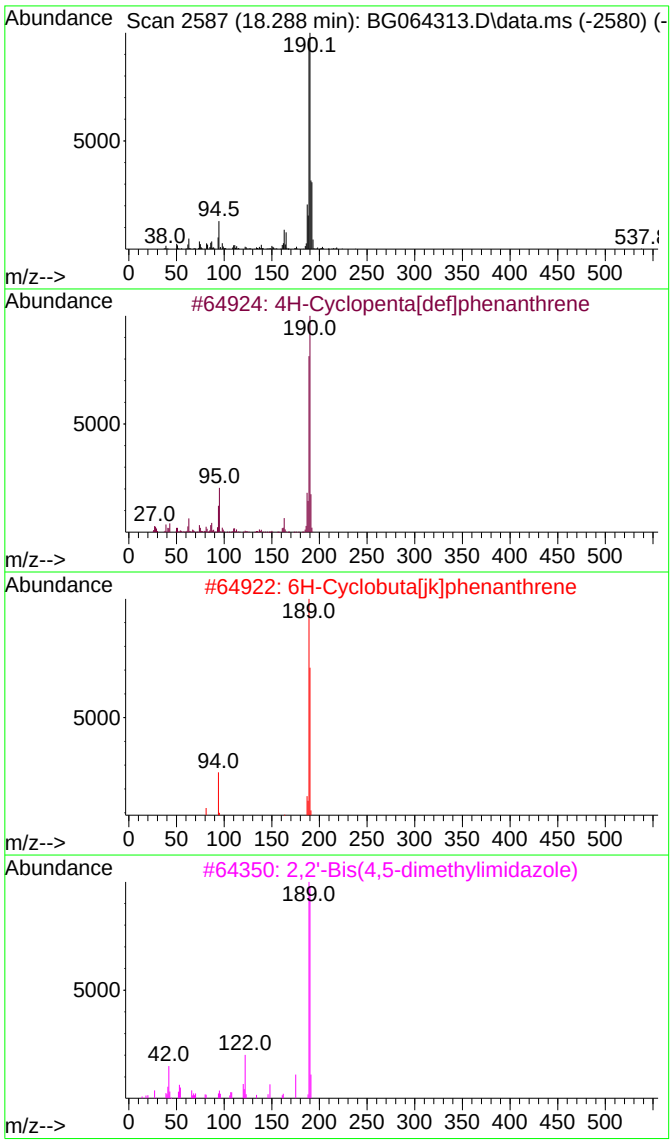
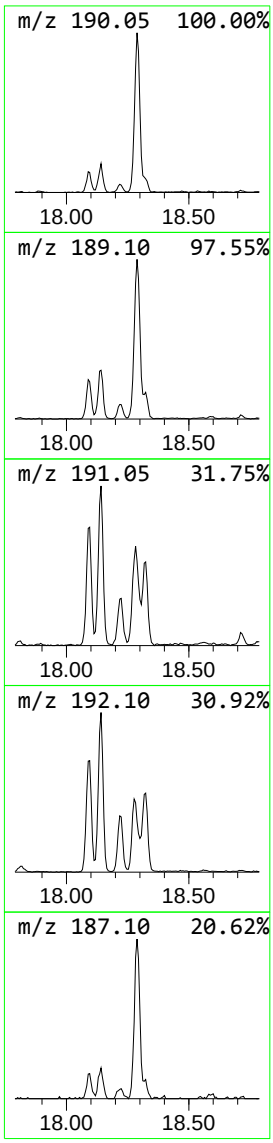
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.288	35.51 ng	897829	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
4	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	16





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Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.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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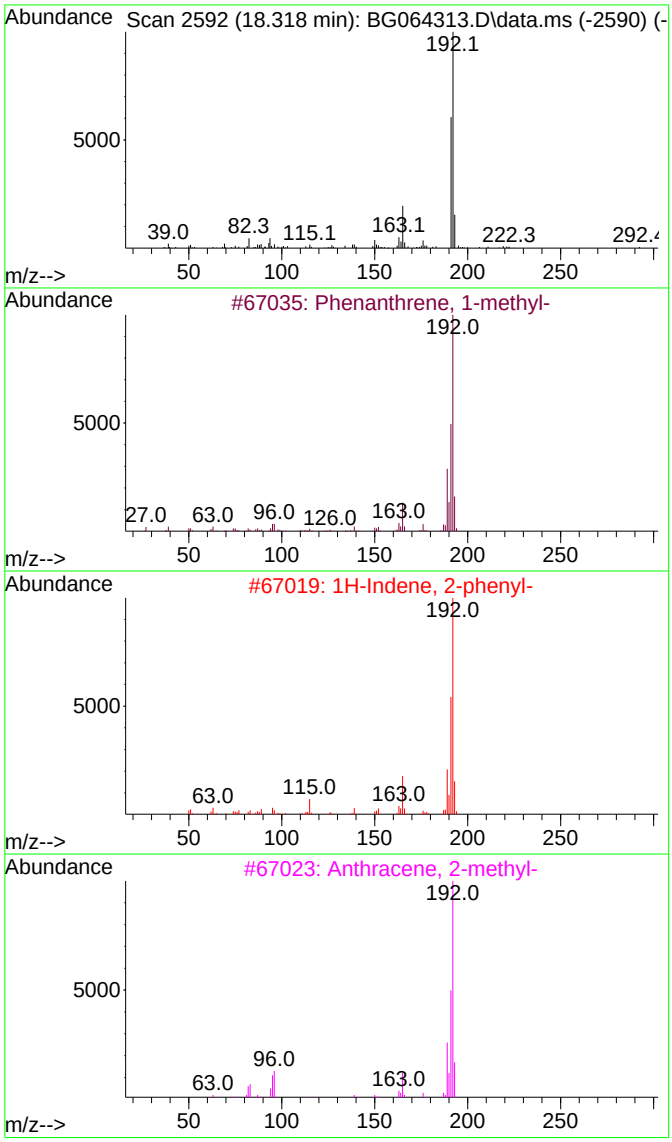
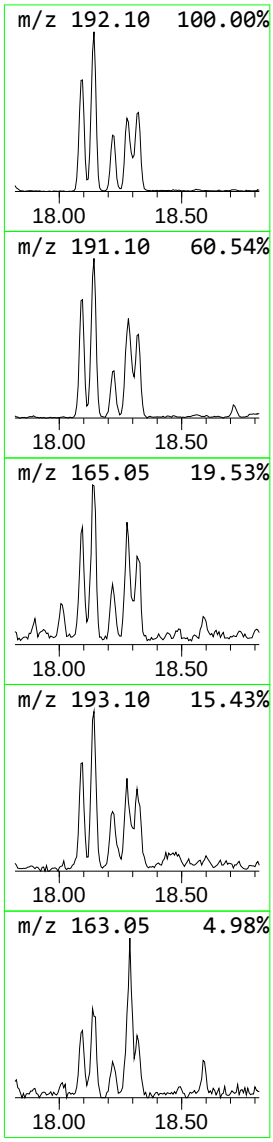
Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.318	12.20 ng	308378	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83





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Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
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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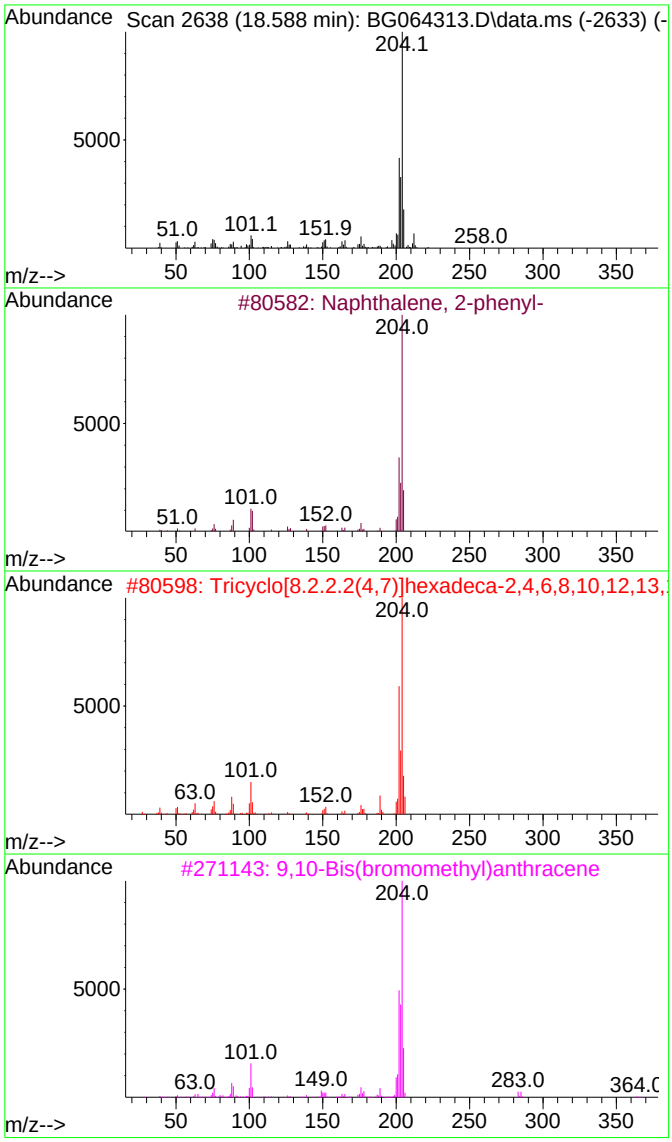
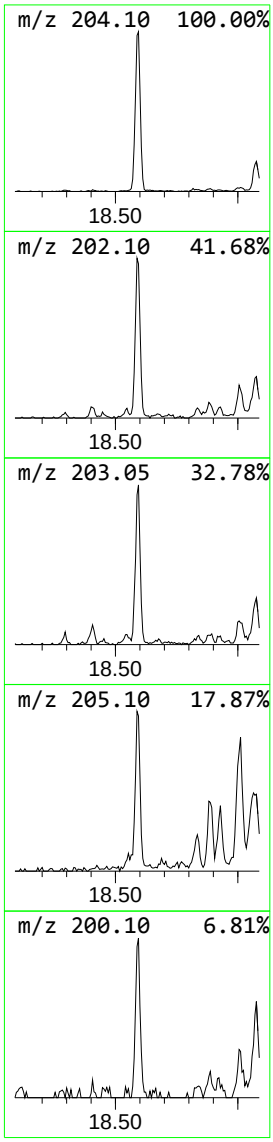
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.588	13.98 ng	353559	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	43





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Misc :
ALS Vial : 14 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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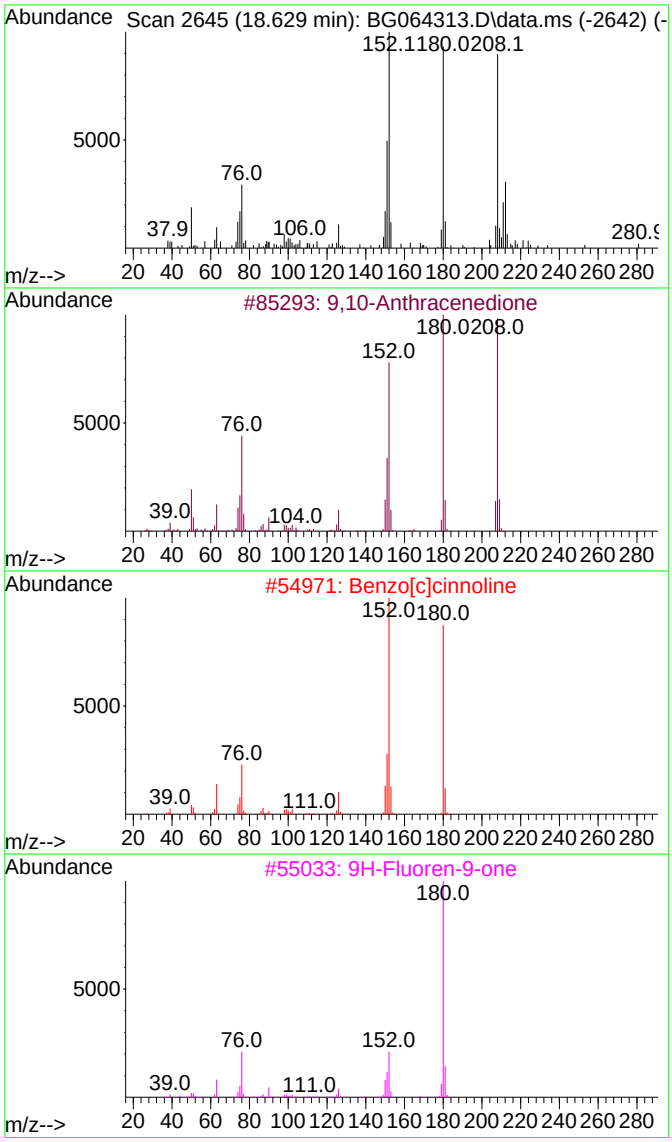
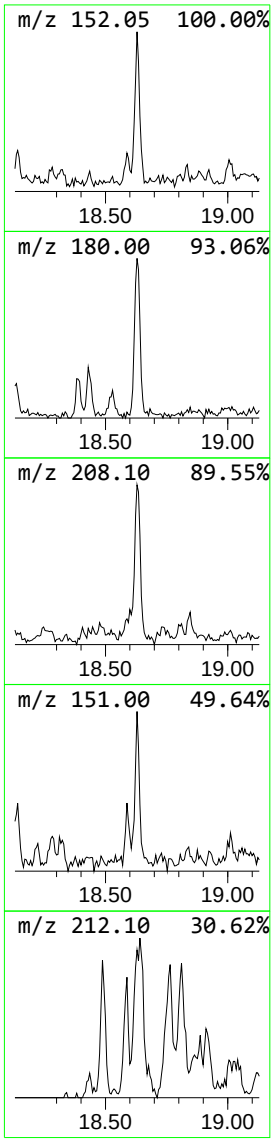
Peak Number 11 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.629	5.77 ng	145815	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





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Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

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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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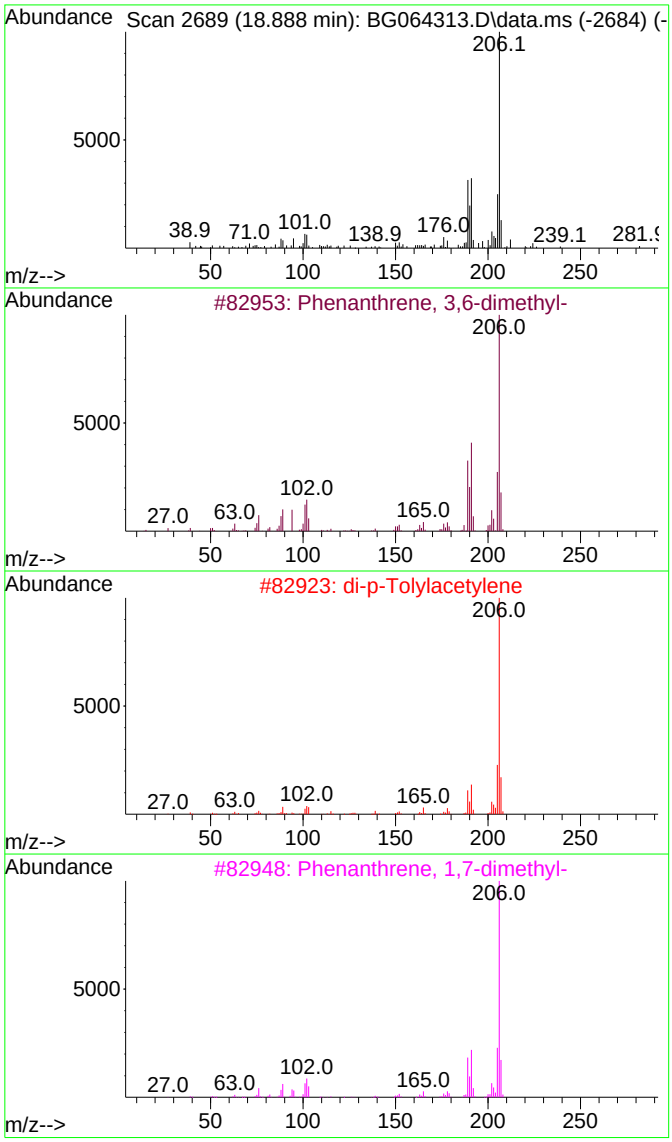
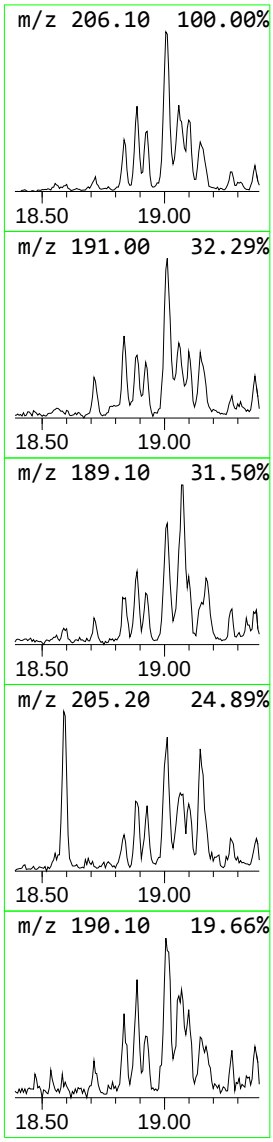
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.888	5.02 ng	126979	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	80
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	74
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	68





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Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.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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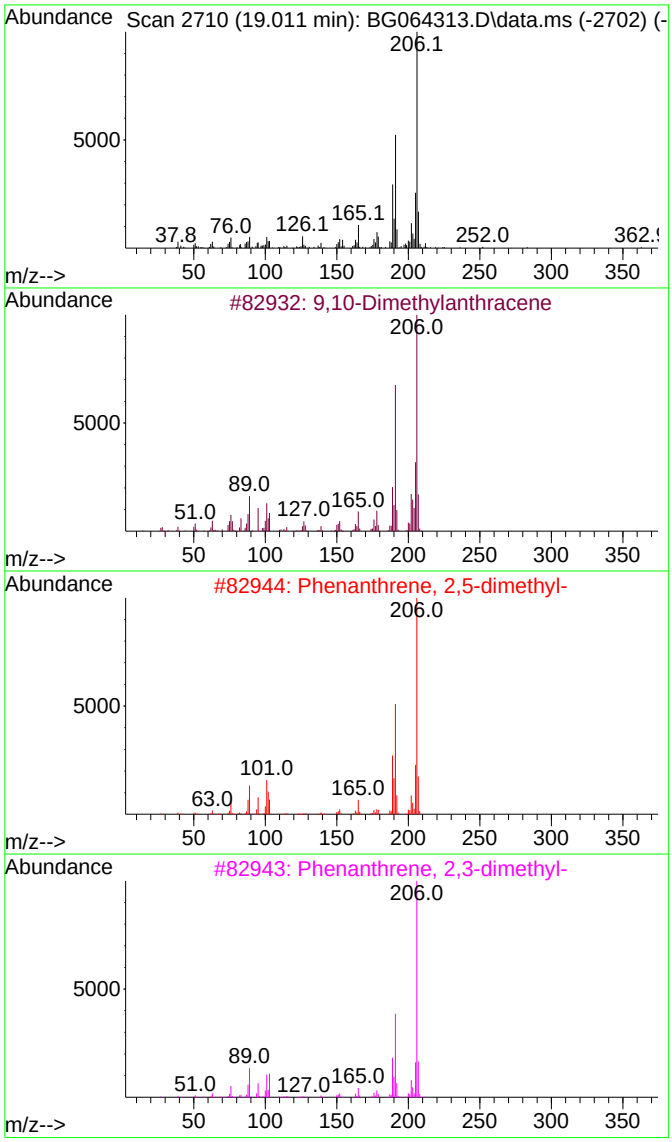
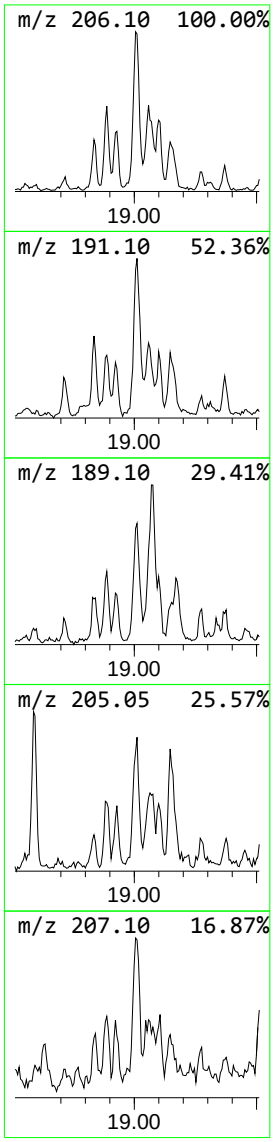
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.011	13.72 ng	346859	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.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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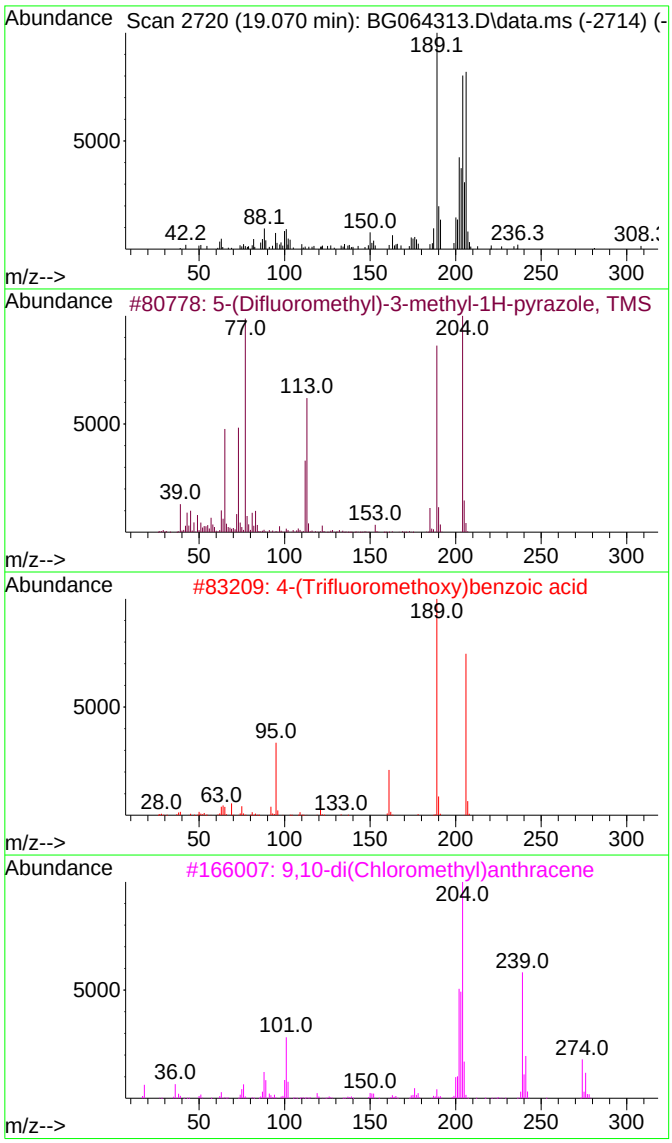
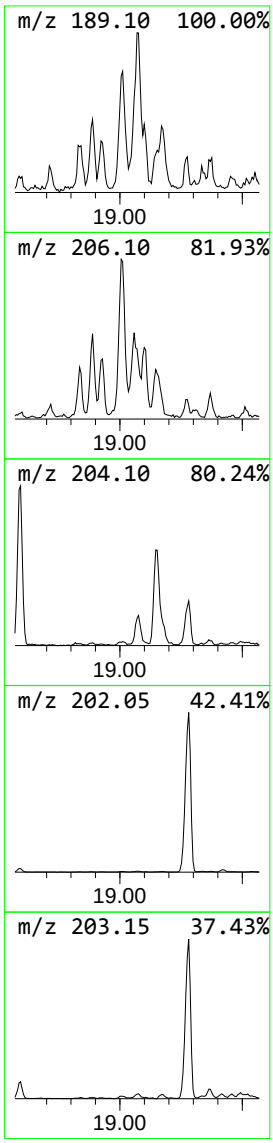
Peak Number 14 unknown19.070 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.070	9.90 ng	250257	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-(Difluoromethyl)-3-methyl-1H-p...	204	C8H14F2N2Si	1000498-58-2	43
2	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	35
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	18
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	18





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

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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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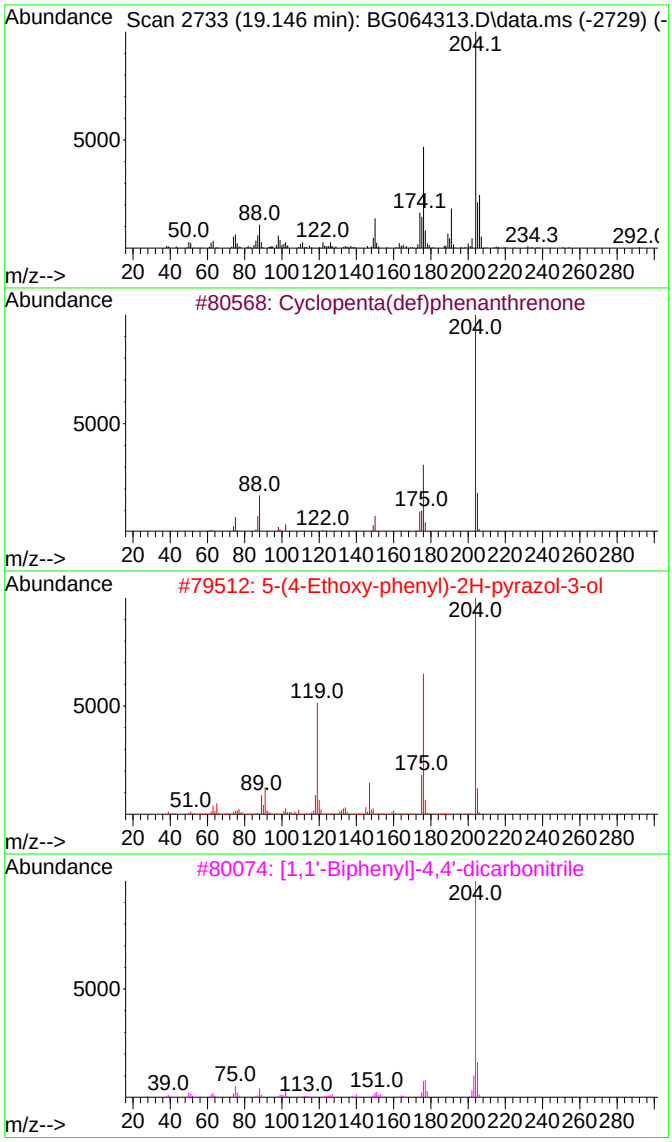
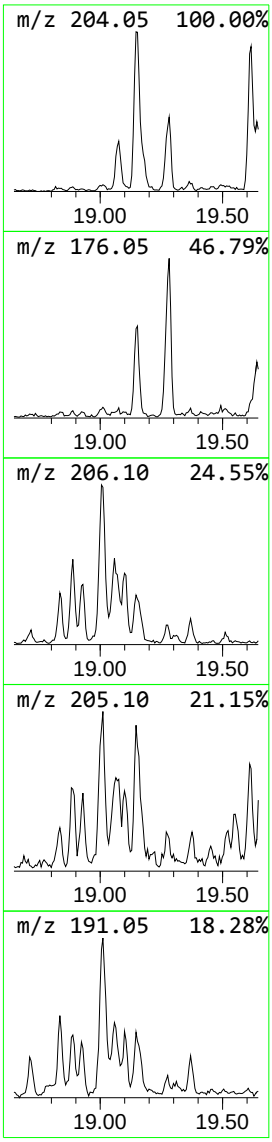
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.146	13.68 ng	346040	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
5	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47





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Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-01-09052025

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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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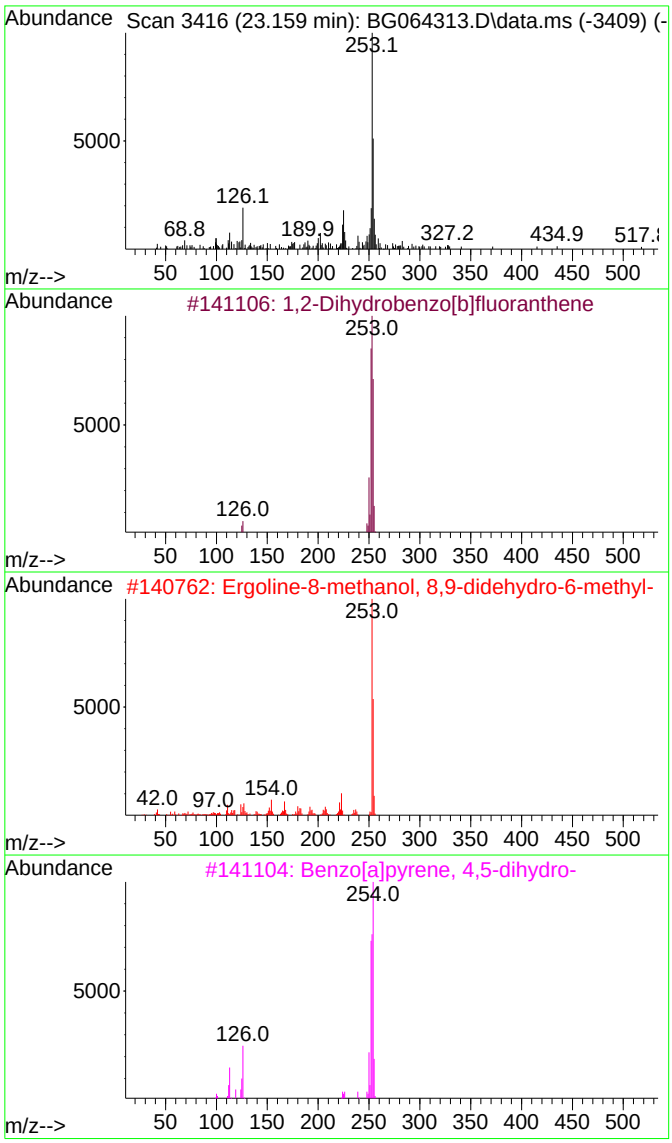
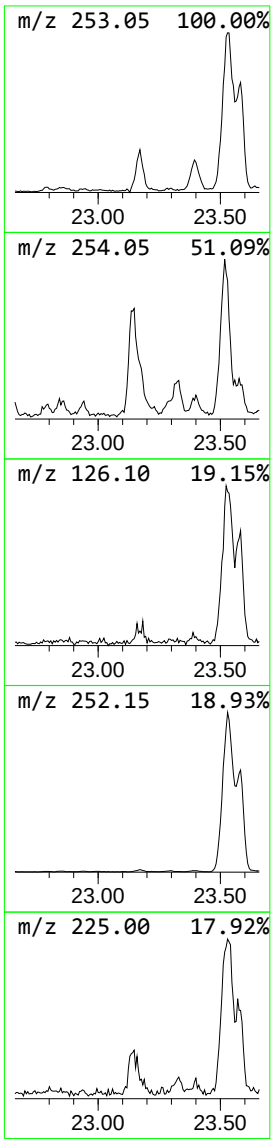
Peak Number 16 1,2-Dihydrobenzo[b]fluorant... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.159	10.11 ng	351705	Perylene-d12	24.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	64
2	Ergoline-8-methanol, 8,9-didehyd...	254	C16H18N2O	000548-43-6	62
3	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	62
4	9(10H)-anthracenone, 1,4-dimethoxy-	254	C16H14O3	1010396-70-2	59
5	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
Data File : BG064313.D
Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.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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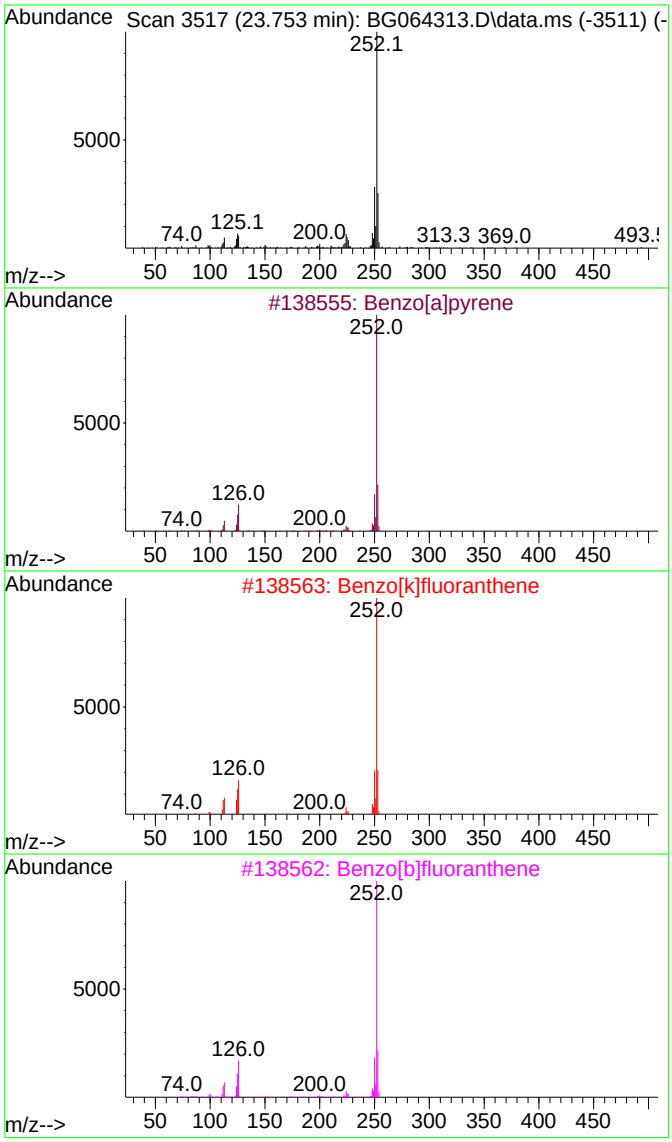
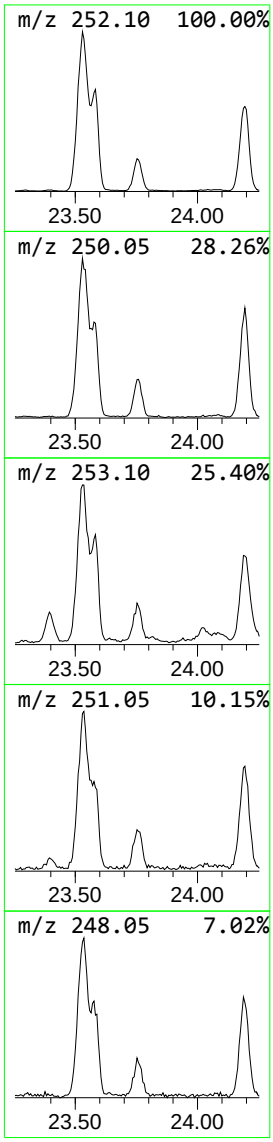
Peak Number 17 Benzo[j]fluoranthene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.753	12.09 ng	420332	Perylene-d12	24.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	91
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	87
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81
5	Perylene	252	C20H12	000198-55-0	81





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Data File : BG064313.D
Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.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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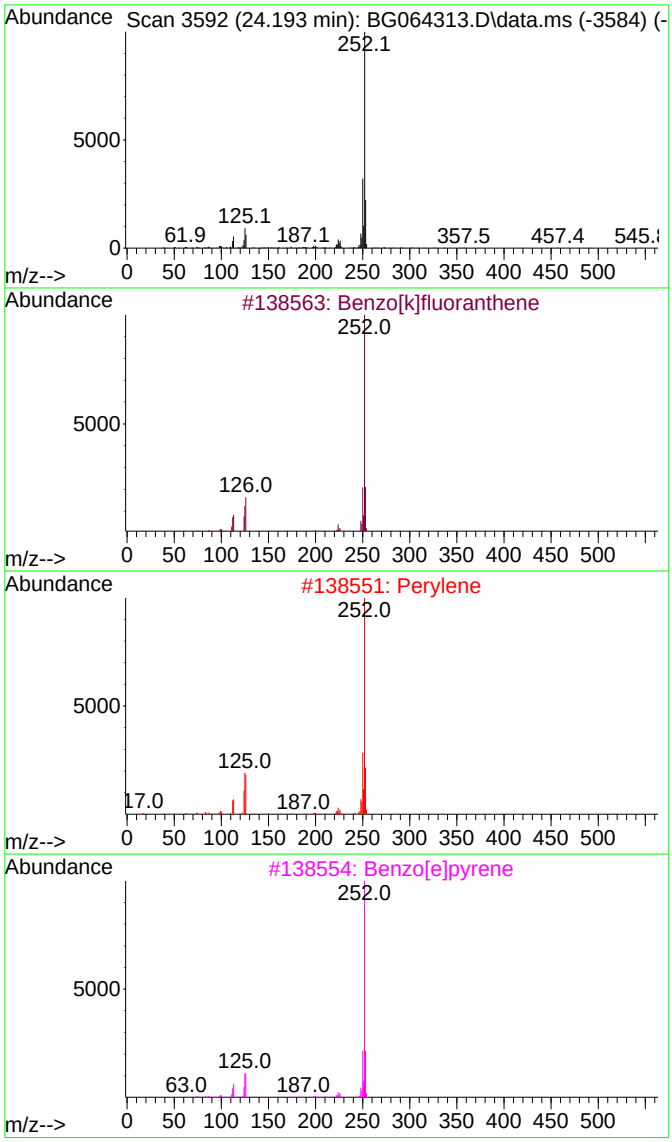
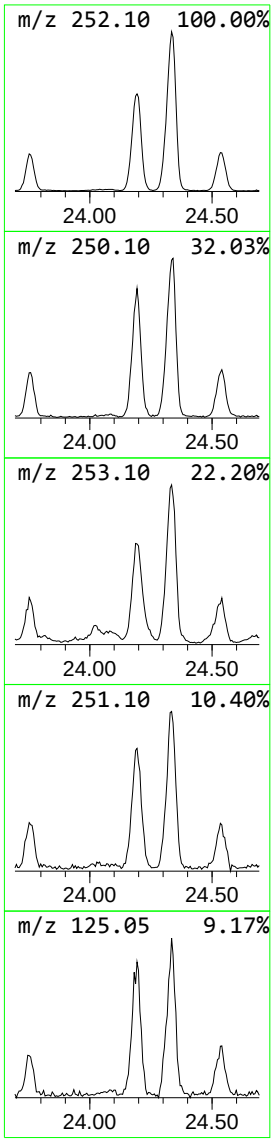
Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.193	41.96 ng	1459200	Perylene-d12	24.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Data File : BG064313.D
Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.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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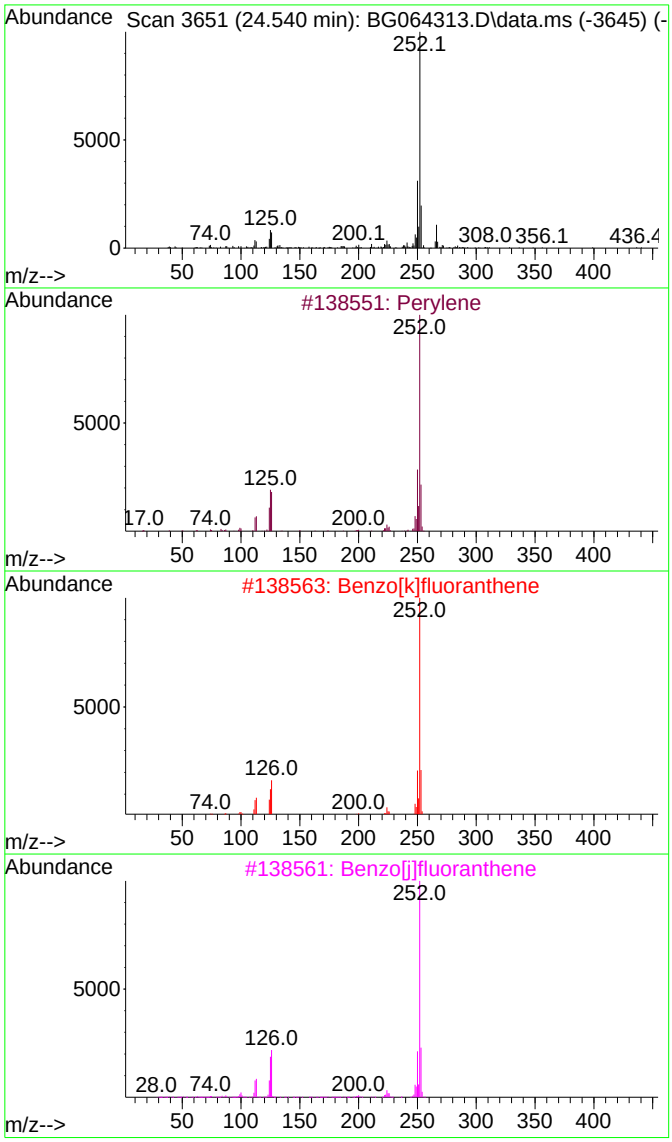
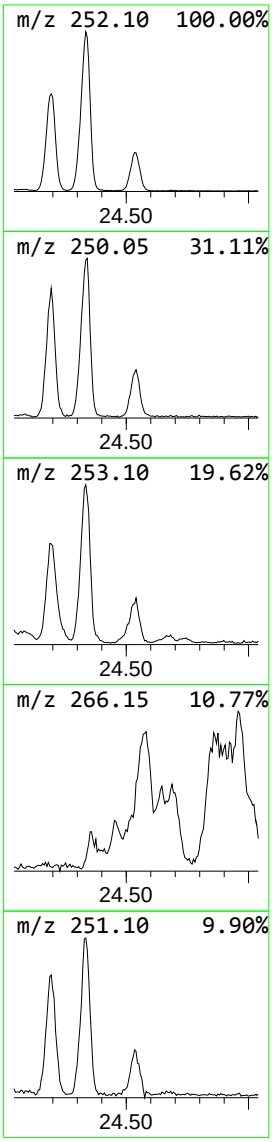
Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.540	20.09 ng	698748	Perylene-d12	24.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	89
5	Benzo[e]pyrene	252	C20H12	000192-97-2	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
Data File : BG064313.D
Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.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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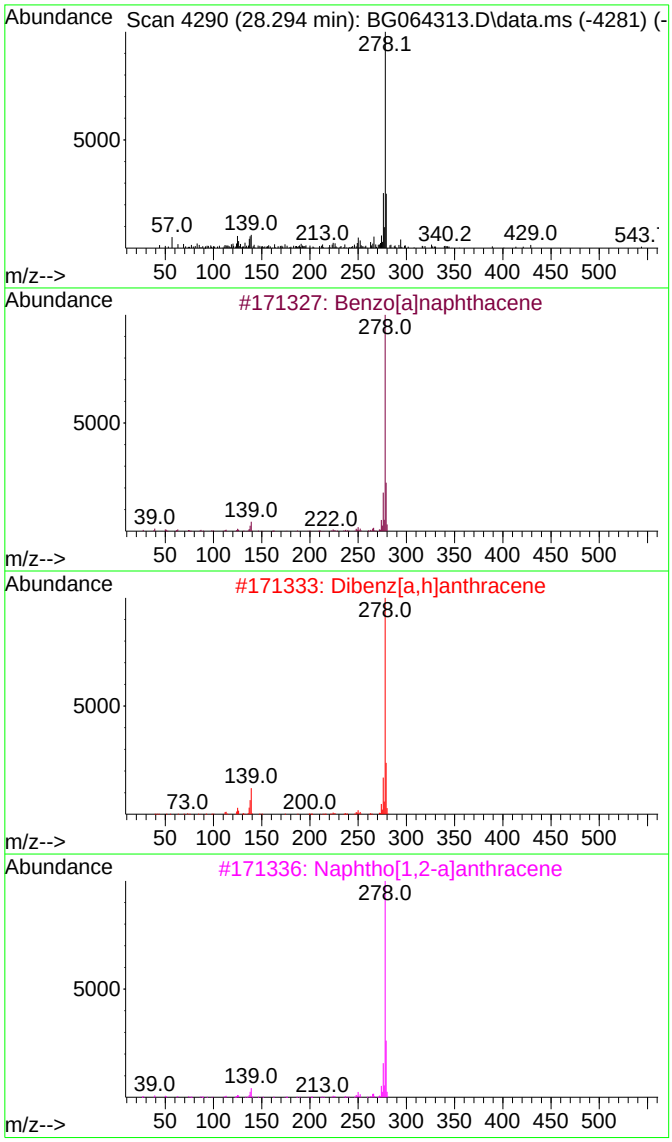
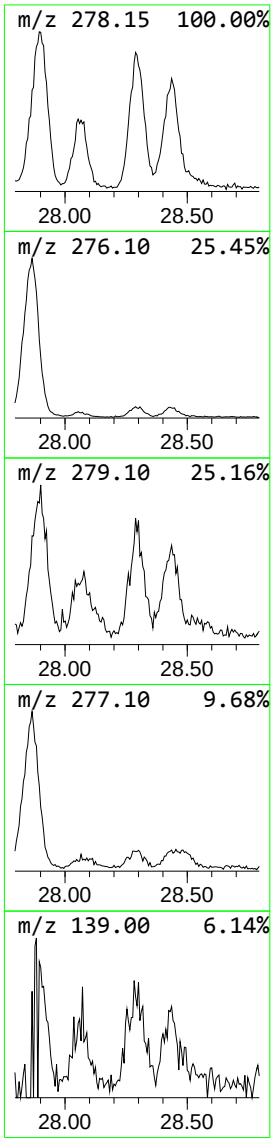
Peak Number 20 Benzo[a]naphthacene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.294	7.87 ng	273811	Perylene-d12	24.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]naphthacene	278	C22H14	000226-88-0	76
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	76
3	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	70
4	Pentacene	278	C22H14	000135-48-8	68
5	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
Data File : BG064313.D
Acq On : 8 Sep 2025 19:03
Operator : RC/JU
Sample : Q3031-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-01-09052025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.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
6H-Dibenzo[b,d]...	15.815	6.8	ng	138698	3	14.475	407325	20.0
3H-Benz[e]inden...	16.520	6.9	ng	174264	4	17.219	505737	20.0
Naphtho[2,3-b]t...	17.037	7.7	ng	194680	4	17.219	505737	20.0
2-Methyldibenzo...	17.795	5.7	ng	144225	4	17.219	505737	20.0
Anthracene, 1-m...	18.089	19.9	ng	503444	4	17.219	505737	20.0
Phenanthrene, 1...	18.142	25.8	ng	653470	4	17.219	505737	20.0
Anthracene, 2-m...	18.218	8.8	ng	221847	4	17.219	505737	20.0
4H-Cyclopenta[d...	18.288	35.5	ng	897829	4	17.219	505737	20.0
1H-Indene, 2-ph...	18.318	12.2	ng	308378	4	17.219	505737	20.0
Naphthalene, 2-...	18.588	14.0	ng	353559	4	17.219	505737	20.0
9,10-Anthracene...	18.629	5.8	ng	145815	4	17.219	505737	20.0
Phenanthrene, 3...	18.888	5.0	ng	126979	4	17.219	505737	20.0
9,10-Dimethylan...	19.011	13.7	ng	346859	4	17.219	505737	20.0
unknown19.070	19.070	9.9	ng	250257	4	17.219	505737	20.0
Cyclopenta(def)...	19.146	13.7	ng	346040	4	17.219	505737	20.0
1,2-Dihydrobenz...	23.159	10.1	ng	351705	6	24.469	695597	20.0
Benzo[j]fluoran...	23.753	12.1	ng	420332	6	24.469	695597	20.0
Perylene	24.193	42.0	ng	1459200	6	24.469	695597	20.0
Benzo[e]pyrene	24.540	20.1	ng	698748	6	24.469	695597	20.0
Benzo[a]naphtha...	28.294	7.9	ng	273811	6	24.469	695597	20.0