LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060991.D
Acq On : 22 Apr 2024 14:39
Operator : MA/JU
Sample : P2127-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

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-BG042024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG060991.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.164	25	30	42	rVB	36058	65425	2.40%	0.204%
2	5.526	424	432	440	rBV	355085	568889	20.85%	1.775%
3	7.106	692	701	711	rBV	397639	669854	24.55%	2.090%
4	7.941	836	843	849	rBV	109041	182257	6.68%	0.569%
5	9.092	1032	1039	1046	rBV	253269	435725	15.97%	1.360%
6	10.732	1311	1318	1324	rBV	131596	234029	8.58%	0.730%
7	13.188	1729	1736	1744	rBV	638957	973296	35.68%	3.037%
8	14.568	1961	1971	1976	rBV	239228	364097	13.35%	1.136%
9	14.627	1976	1981	1988	rVB	106275	162563	5.96%	0.507%
10	14.962	2030	2038	2047	rBV	76824	121540	4.45%	0.379%
11	15.614	2143	2149	2161	rVB	141027	210030	7.70%	0.655%
12	15.908	2195	2199	2203	rVB	30819	41047	1.50%	0.128%
13	16.055	2217	2224	2231	rBV	681153	1041274	38.17%	3.249%
14	16.589	2307	2315	2317	rBV4	20745	38702	1.42%	0.121%
15	16.619	2317	2320	2325	rVV2	26868	44617	1.64%	0.139%
16	16.965	2374	2379	2386	rVB	67081	103157	3.78%	0.322%
17	17.065	2386	2396	2402	rBV4	40191	96790	3.55%	0.302%
18	17.130	2402	2407	2416	rVB	64339	102992	3.78%	0.321%
19	17.312	2432	2438	2441	rBV	287429	442327	16.21%	1.380%
20	17.359	2441	2446	2452	rVV	1383705	2063011	75.62%	6.437%
21	17.447	2456	2461	2466	rVV	309773	451660	16.56%	1.409%
22	17.500	2466	2470	2477	rVB2	42215	66202	2.43%	0.207%
23	17.712	2496	2506	2512	rBV2	161787	295840	10.84%	0.923%
24	17.835	2520	2527	2531	rBV3	23098	33043	1.21%	0.103%
25	18.193	2578	2588	2590	rBV	138692	215658	7.90%	0.673%
26	18.240	2590	2596	2601	rVV2	200189	394141	14.45%	1.230%
27	18.317	2604	2609	2614	rVB	65496	106757	3.91%	0.333%
28	18.387	2614	2621	2625	rBV3	222227	410738	15.06%	1.282%
29	18.423	2625	2627	2634	rVB	86789	99471	3.65%	0.310%
30	18.528	2642	2645	2651	rVB2	19941	33907	1.24%	0.106%
31	18.687	2667	2672	2676	rBV	112935	175181	6.42%	0.547%
32	18.728	2676	2679	2684	rVB	112959	149963	5.50%	0.468%
33	18.934	2710	2714	2718	rBV3	30417	39125	1.43%	0.122%
34	18.987	2719	2723	2726	rVV2	25147	31813	1.17%	0.099%
35	19.022	2726	2729	2734	rVB3	29025	38354	1.41%	0.120%
36	19.104	2738	2743	2749	rBV	69800	128065	4.69%	0.400%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060991.D
Acq On : 22 Apr 2024 14:39
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Sample : P2127-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

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-BG042024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.169	2749	2754	2758	rVV4	43699	90281	3.31%	0.282%
38	19.245	2762	2767	2776	rVB	76067	122565	4.49%	0.382%
39	19.374	2782	2789	2795	rBV	1907047	2728214	100.00%	8.513%
40	19.468	2801	2805	2807	rVV2	37116	51461	1.89%	0.161%
41	19.492	2807	2809	2816	rVB6	28164	41871	1.53%	0.131%
42	19.562	2816	2821	2823	rBV4	26407	43282	1.59%	0.135%
43	19.609	2826	2829	2833	rVB	45957	57000	2.09%	0.178%
44	19.733	2839	2850	2857	rBV2	1472701	2571927	94.27%	8.025%
45	19.803	2857	2862	2867	rVB2	76683	127942	4.69%	0.399%
46	19.938	2875	2885	2889	rBV	1195962	1783527	65.37%	5.565%
47	19.968	2889	2890	2895	rVB	104482	94591	3.47%	0.295%
48	20.062	2898	2906	2911	rBV2	100722	276111	10.12%	0.862%
49	20.103	2911	2913	2917	rVB	36136	41827	1.53%	0.131%
50	20.191	2918	2928	2929	rBV5	75561	135814	4.98%	0.424%
51	20.226	2930	2934	2938	rVB	229115	335488	12.30%	1.047%
52	20.326	2946	2951	2954	rBV	153404	209835	7.69%	0.655%
53	20.385	2954	2961	2964	rVV2	126808	243328	8.92%	0.759%
54	20.420	2964	2967	2971	rVV2	48838	60065	2.20%	0.187%
55	20.461	2971	2974	2979	rVB3	36461	51791	1.90%	0.162%
56	20.520	2980	2984	2988	rBV	68221	96715	3.54%	0.302%
57	20.567	2988	2992	2996	rVB2	68227	105445	3.86%	0.329%
58	20.679	3006	3011	3016	rVB5	36716	66936	2.45%	0.209%
59	20.814	3031	3034	3038	rVV3	26128	32902	1.21%	0.103%
60	20.937	3051	3055	3057	rBV4	26158	35531	1.30%	0.111%
61	20.978	3057	3062	3069	rVB	144480	242610	8.89%	0.757%
62	21.161	3086	3093	3097	rBV2	137636	299377	10.97%	0.934%
63	21.202	3097	3100	3104	rVV	129491	189272	6.94%	0.591%
64	21.249	3104	3108	3113	rVV3	167187	334654	12.27%	1.044%
65	21.307	3113	3118	3129	rVB2	177611	330010	12.10%	1.030%
66	21.431	3132	3139	3144	rBV	45112	104976	3.85%	0.328%
67	21.560	3150	3161	3167	rBV3	939373	2168412	79.48%	6.766%
68	21.619	3167	3171	3185	rVB	677711	1244805	45.63%	3.884%
69	21.719	3185	3188	3191	rBV5	22690	31525	1.16%	0.098%
70	21.766	3192	3196	3203	rBV2	104382	180837	6.63%	0.564%
71	21.907	3215	3220	3225	rVB	53622	111205	4.08%	0.347%
72	21.965	3225	3230	3237	rVV2	94605	178806	6.55%	0.558%
73	22.036	3238	3242	3247	rVB4	26905	41068	1.51%	0.128%
74	22.165	3260	3264	3268	rVB4	26553	44763	1.64%	0.140%
75	22.212	3269	3272	3276	rVV3	29981	49526	1.82%	0.155%
76	22.289	3277	3285	3290	rVB	103586	228534	8.38%	0.713%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060991.D
Acq On : 22 Apr 2024 14:39
Operator : MA/JU
Sample : P2127-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

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-BG042024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	22.353	3292	3296	3303	rVV	56607	99231	3.64%	0.310%
78	22.547	3325	3329	3334	rBV2	58942	113215	4.15%	0.353%
79	22.600	3334	3338	3345	rVB4	63119	123190	4.52%	0.384%
80	22.688	3347	3353	3365	rVB5	47571	145559	5.34%	0.454%
81	22.929	3389	3394	3403	rBV3	40560	96467	3.54%	0.301%
82	23.716	3518	3528	3535	rBV	477430	1599996	58.65%	4.992%
83	23.957	3564	3569	3580	rVB2	84788	212356	7.78%	0.663%
84	24.163	3600	3604	3608	rBV4	22387	42305	1.55%	0.132%
85	24.416	3639	3647	3660	rVB2	255930	797732	29.24%	2.489%
86	24.557	3661	3671	3682	rVB	380072	1041300	38.17%	3.249%
87	24.698	3685	3695	3702	rBV	220829	631152	23.13%	1.969%
88	24.774	3702	3708	3718	rVB2	102820	298938	10.96%	0.933%
89	28.246	4287	4299	4317	rVB3	144652	716877	26.28%	2.237%
90	29.333	4471	4484	4486	rBV2	108588	314030	11.51%	0.980%

Sum of corrected areas: 32048717

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
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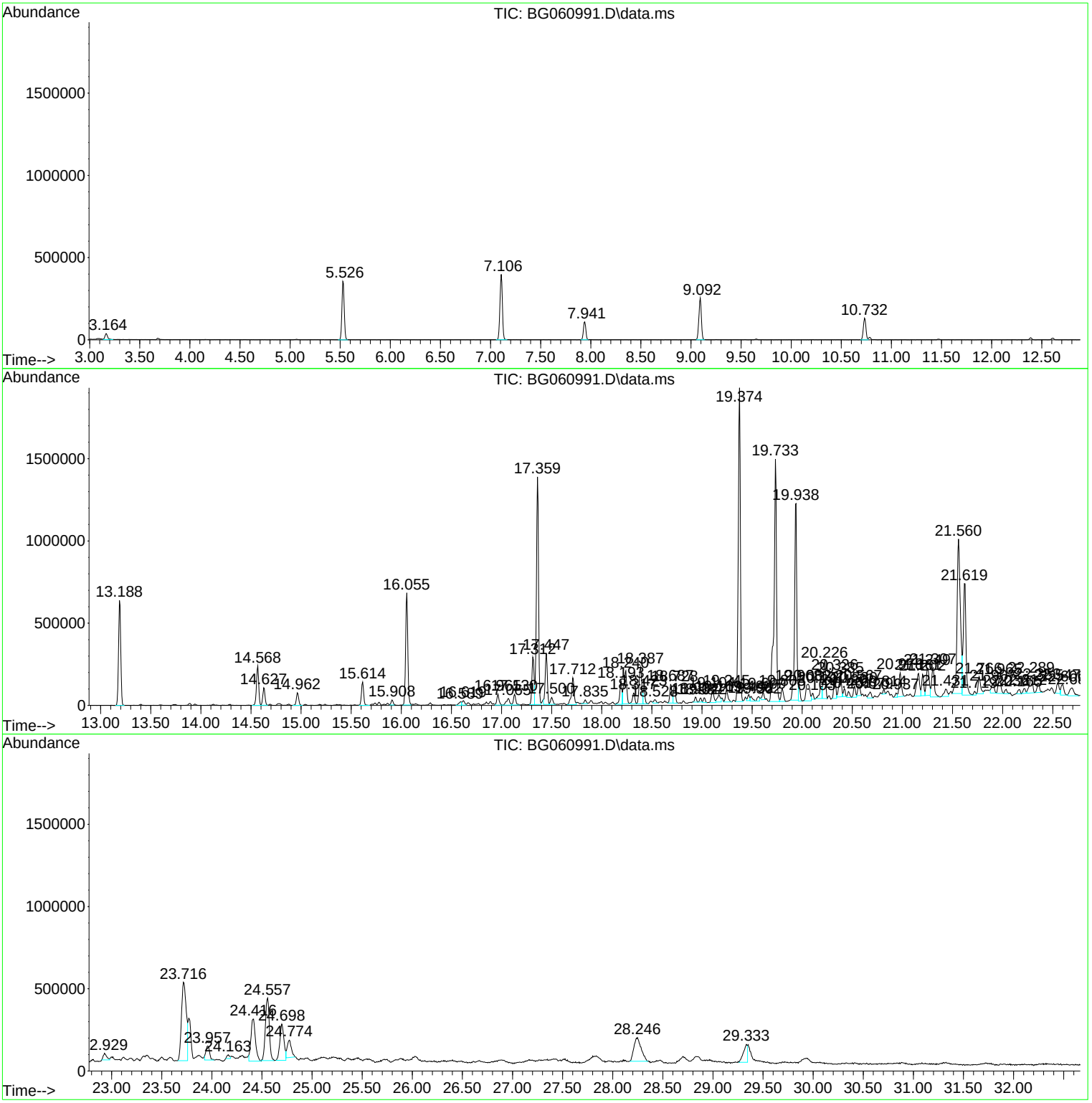
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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\BG042224\
Data File : BG060991.D
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Operator : MA/JU
Sample : P2127-01
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

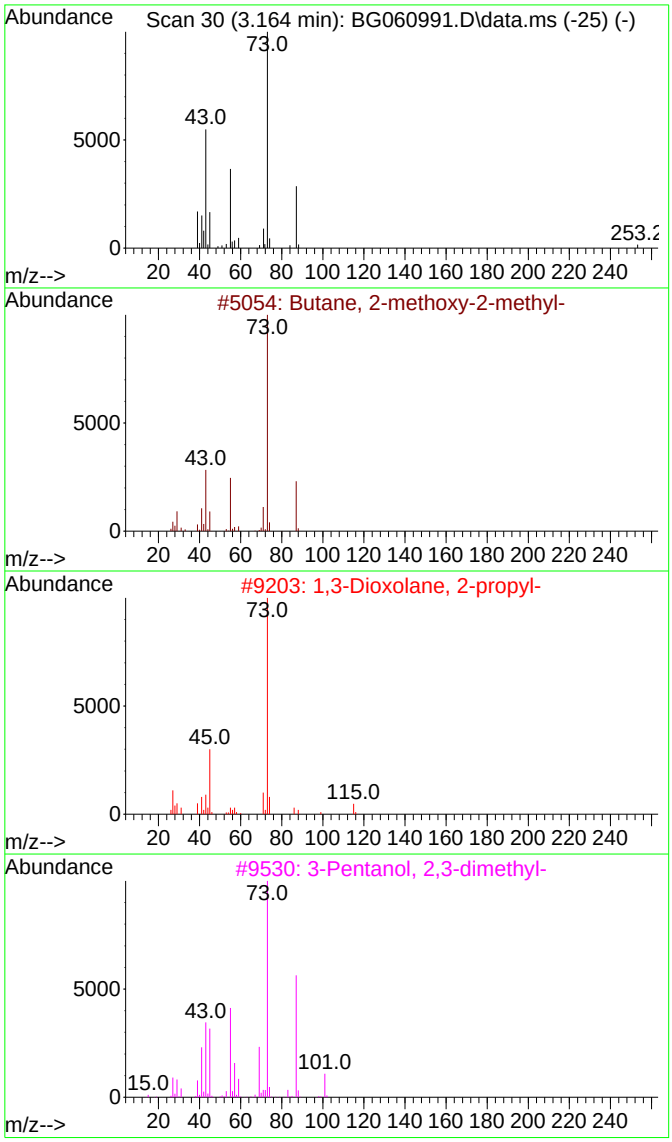
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

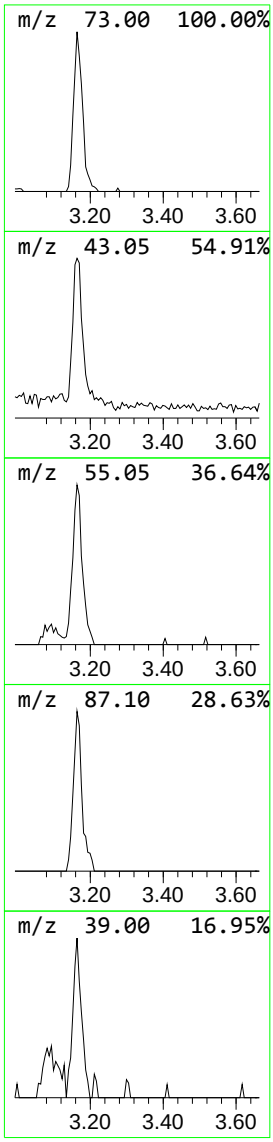
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.164	7.18 ng	65425	1,4-Dichlorobenzene-d4	7.941

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	37
3	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	33
4	Butanoic acid, 2-hydroxy-2-methy...	132	C6H12O3	032793-34-3	32
5	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060991.D
Acq On : 22 Apr 2024 14:39
Operator : MA/JU
Sample : P2127-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

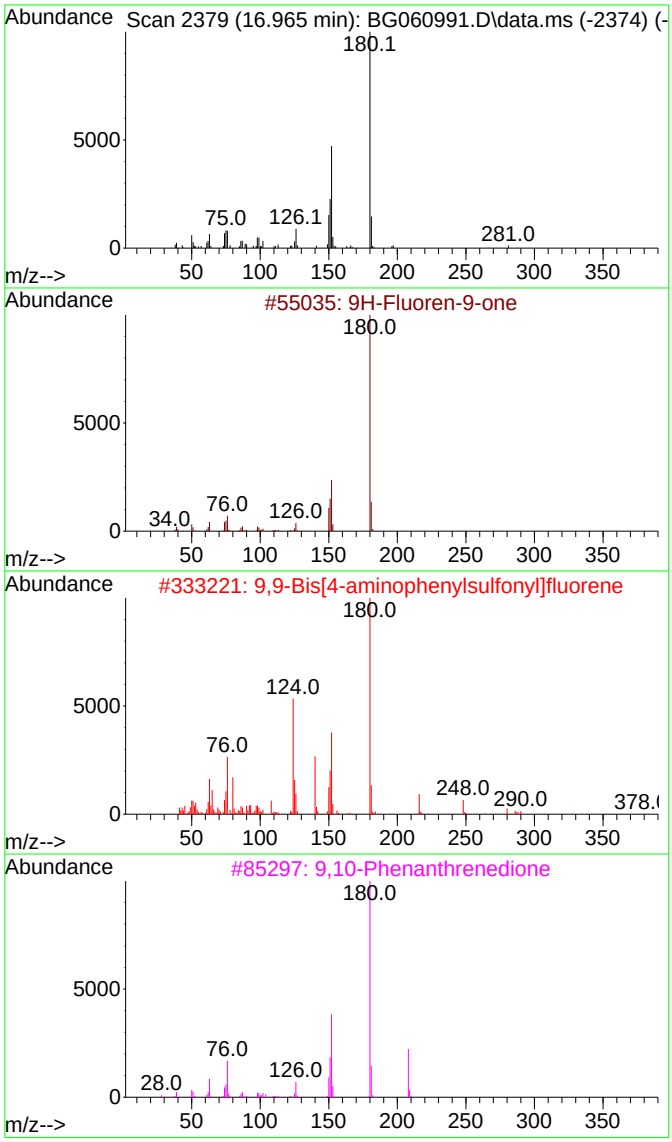
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

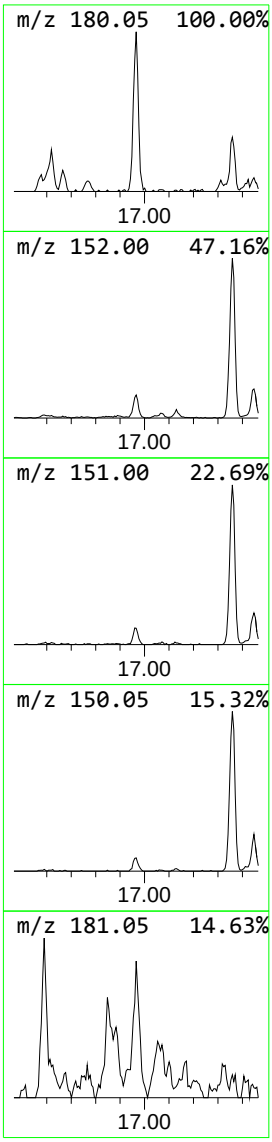
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.965	4.66 ng	103157	Phenanthrene-d10	17.312

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9,9-Bis[4-aminophenylsulfonyl]fl...	476	C25H20N2O4S2	081269-16-1	83
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	83
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	80
5	Diphenic anhydride	224	C14H8O3	006050-13-1	78





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Acq On : 22 Apr 2024 14:39
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BNA_G
ClientSampleId :
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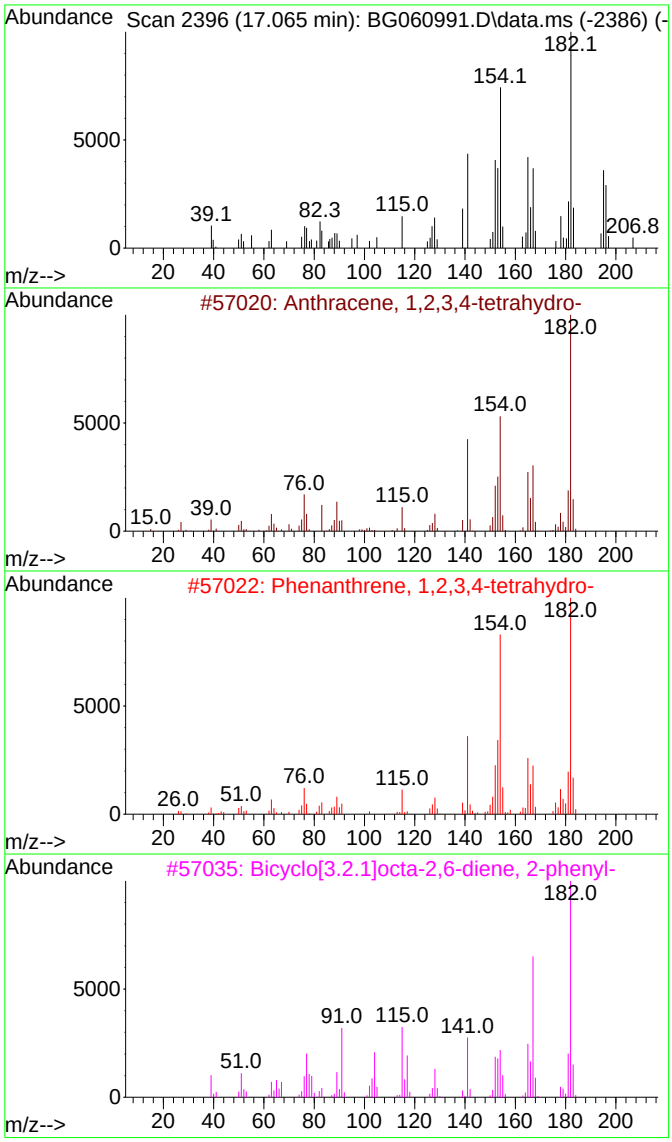
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

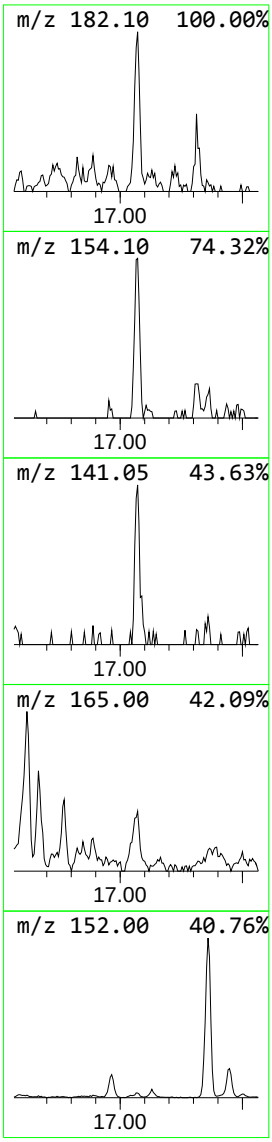
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.065	4.38 ng	96790	Phenanthrene-d10	17.312

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	76
3	Bicyclo[3.2.1]octa-2,6-diene, 2-...	182	C14H14	101166-08-9	52
4	Dehydrochamazulene	182	C14H14	321732-25-6	43
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060991.D
Acq On : 22 Apr 2024 14:39
Operator : MA/JU
Sample : P2127-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

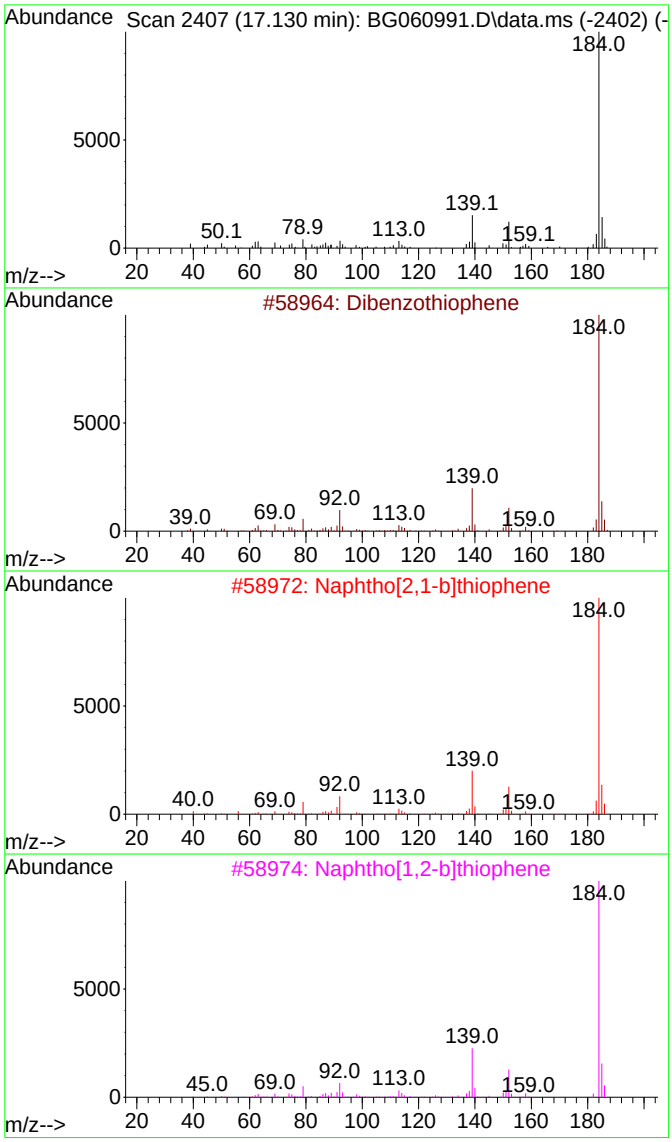
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

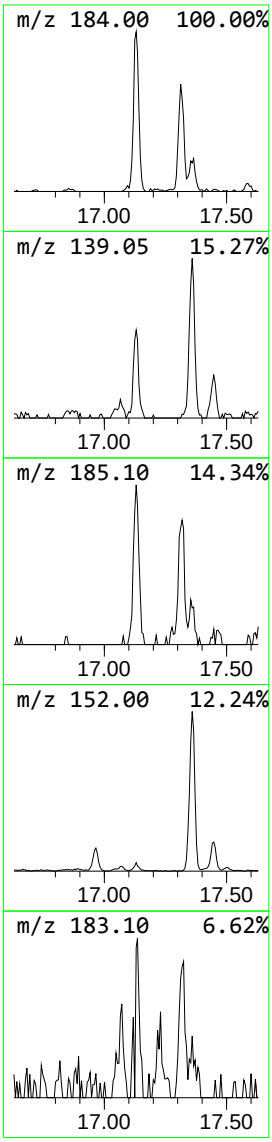
****

Peak Number 4 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.130	4.66 ng	102992	Phenanthrene-d10	17.312

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
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	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060991.D
Acq On : 22 Apr 2024 14:39
Operator : MA/JU
Sample : P2127-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

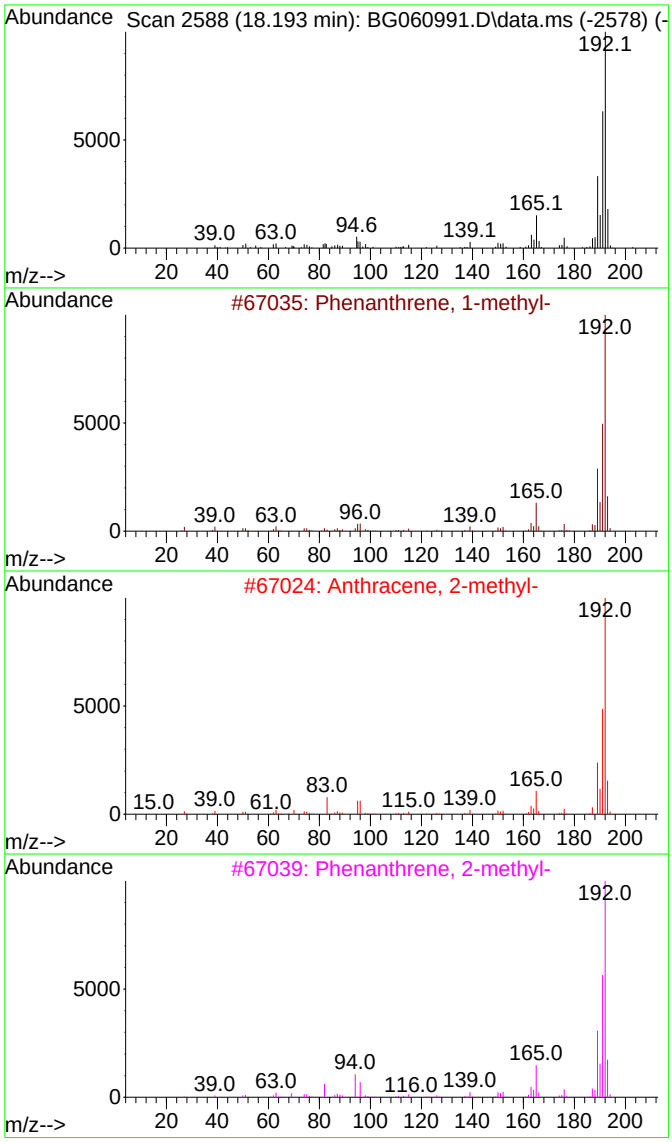
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

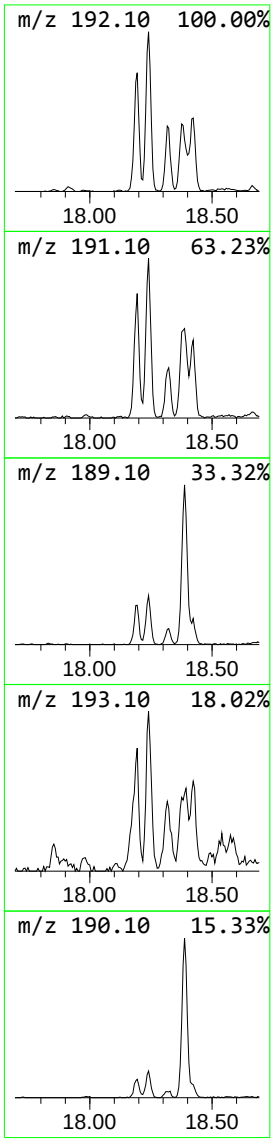
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.193	9.75 ng	215658	Phenanthrene-d10	17.312

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Data File : BG060991.D
Acq On : 22 Apr 2024 14:39
Operator : MA/JU
Sample : P2127-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

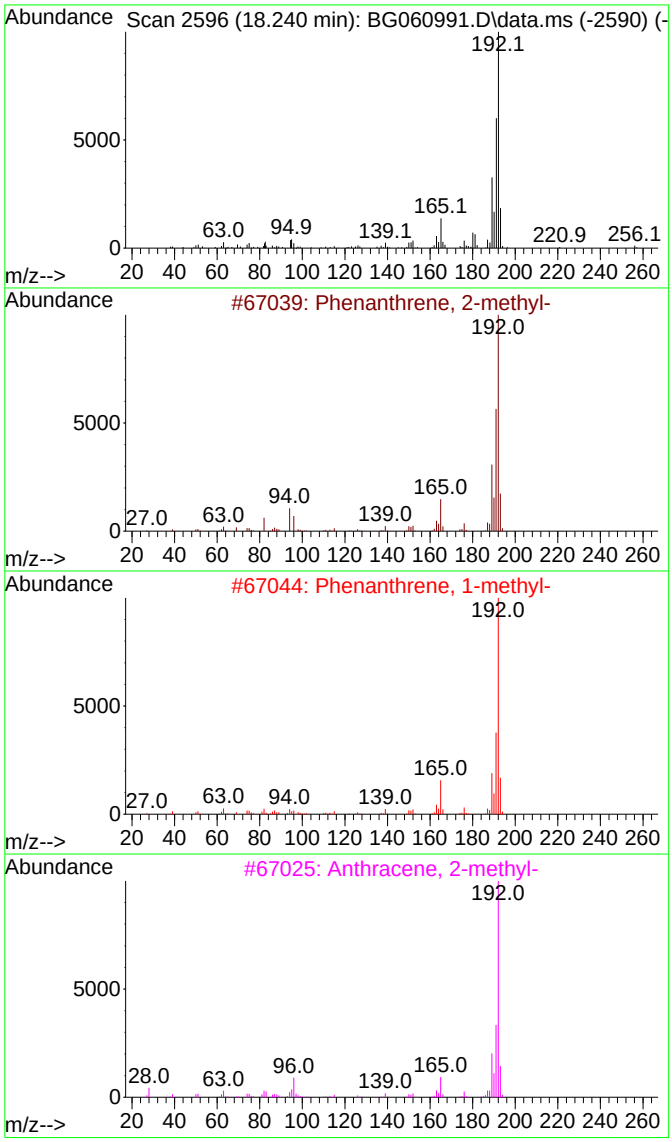
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

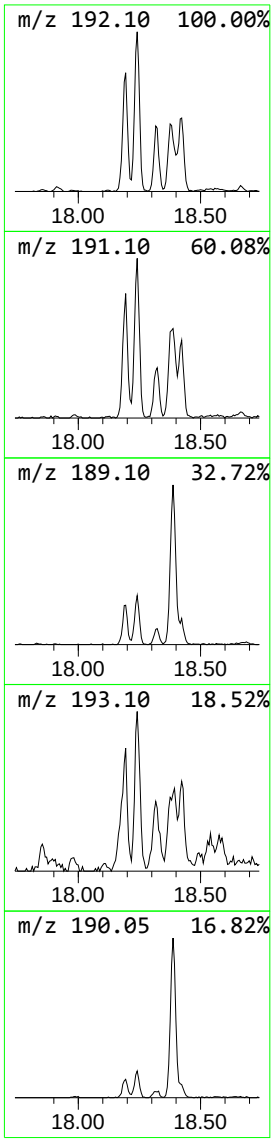
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.240	17.82 ng	394141	Phenanthrene-d10	17.312

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Acq On : 22 Apr 2024 14:39
Operator : MA/JU
Sample : P2127-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

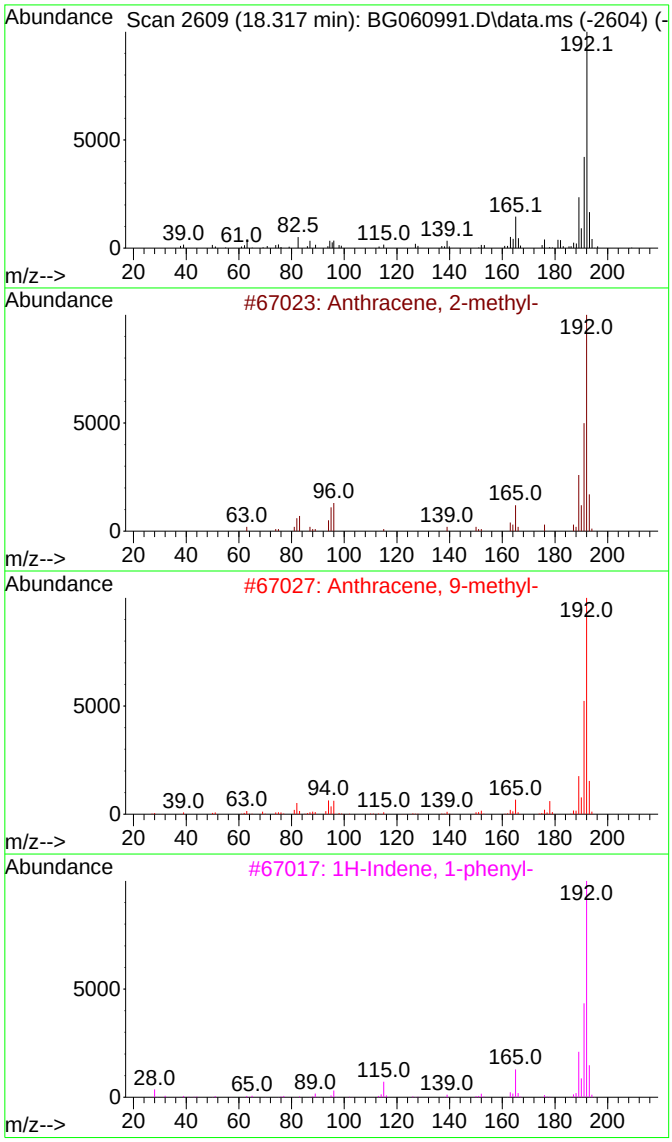
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

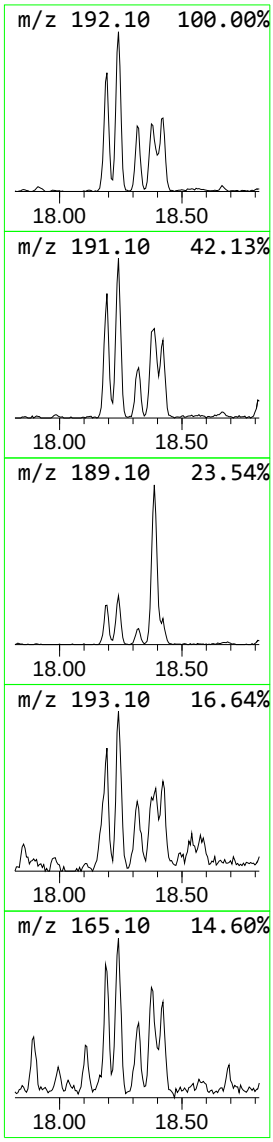
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.317	4.83 ng	106757	Phenanthrene-d10	17.312

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





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Sample : P2127-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SP-2-FRONT

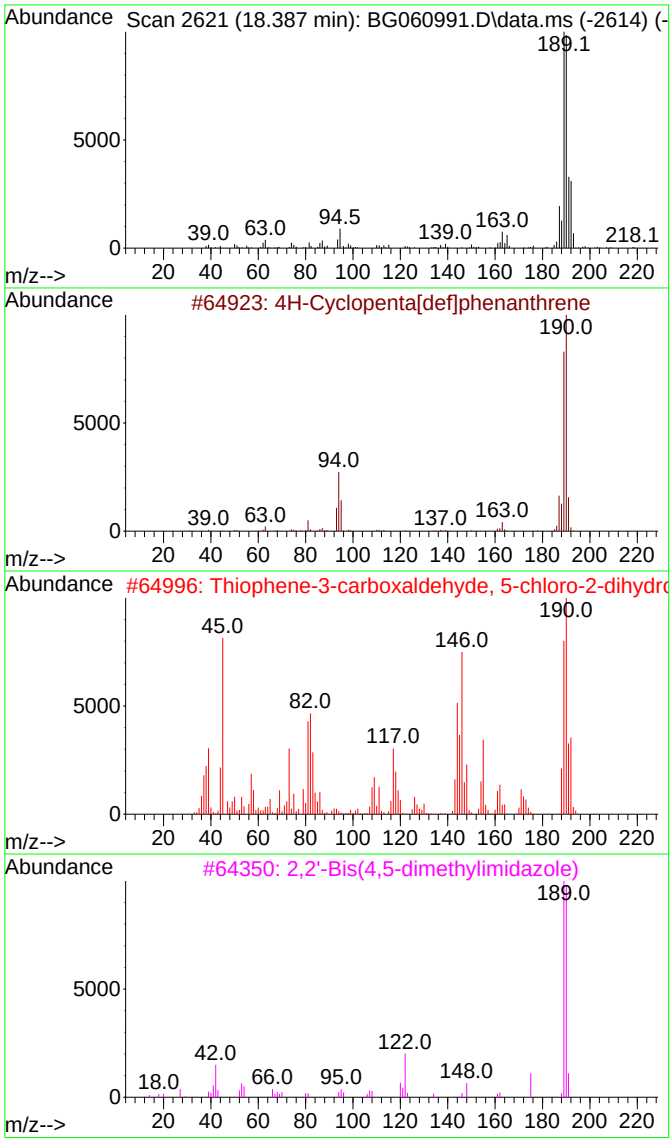
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

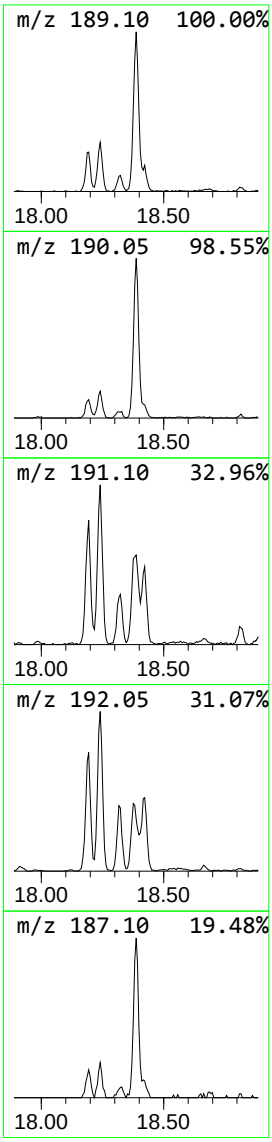
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.387	18.57 ng	410738	Phenanthrene-d10	17.312

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
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	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	25





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Misc :
ALS Vial : 6 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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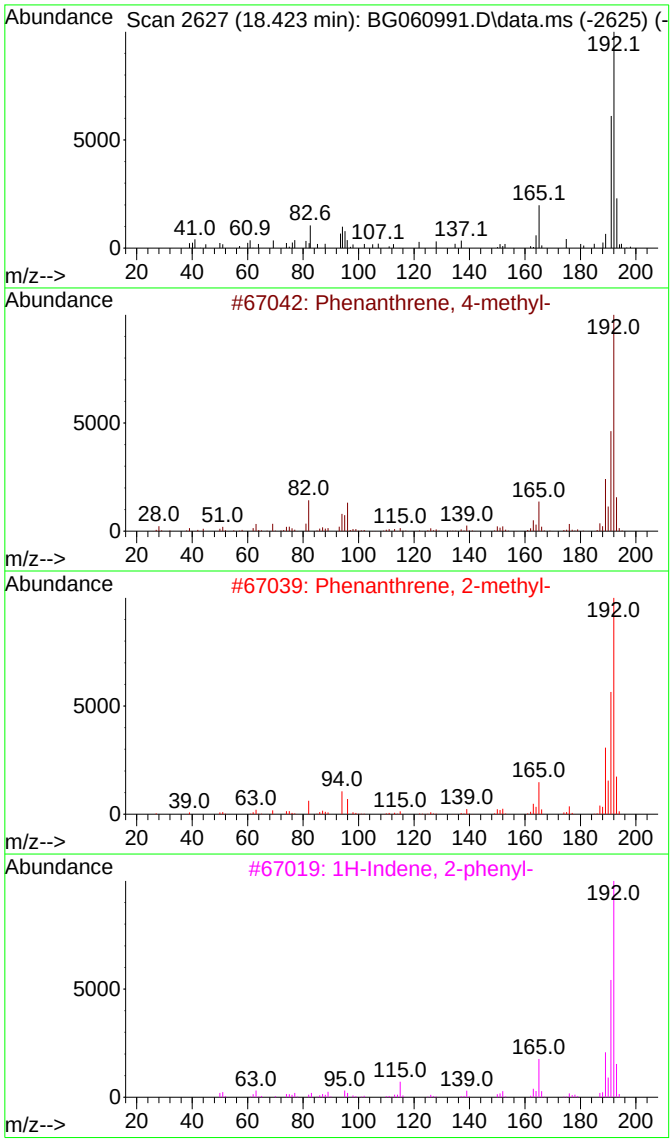
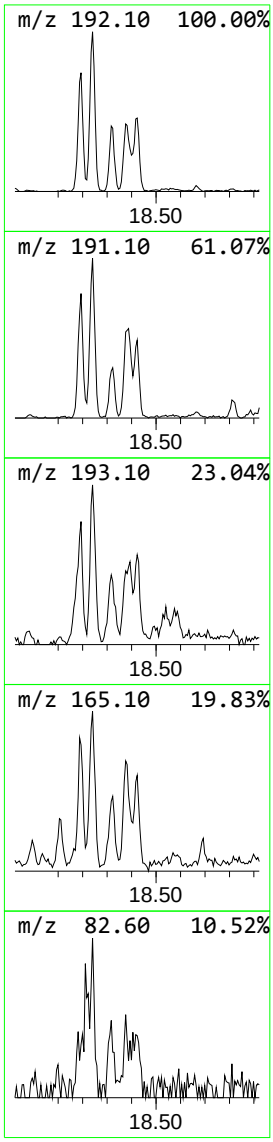
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.423	4.50 ng	99471	Phenanthrene-d10	17.312

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80





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Sample : P2127-01
Misc :
ALS Vial : 6 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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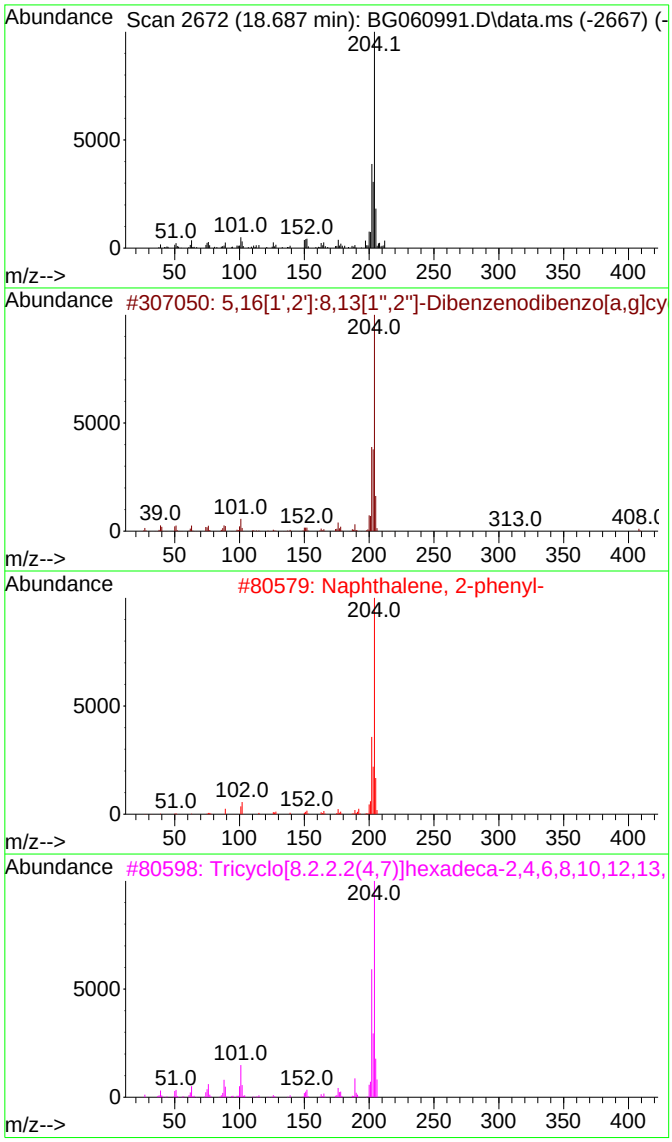
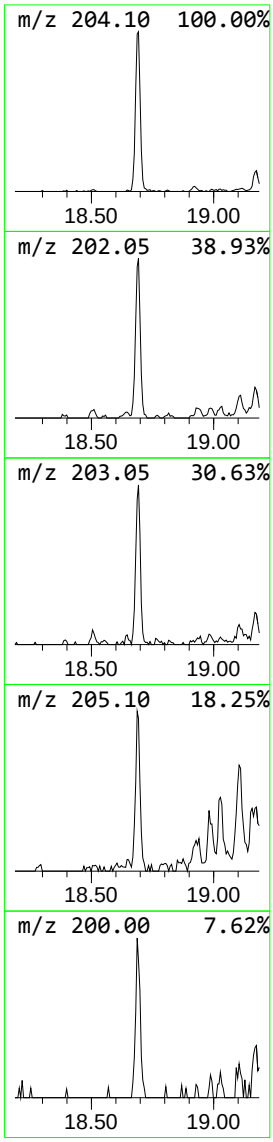
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.687	7.92 ng	175181	Phenanthrene-d10	17.312

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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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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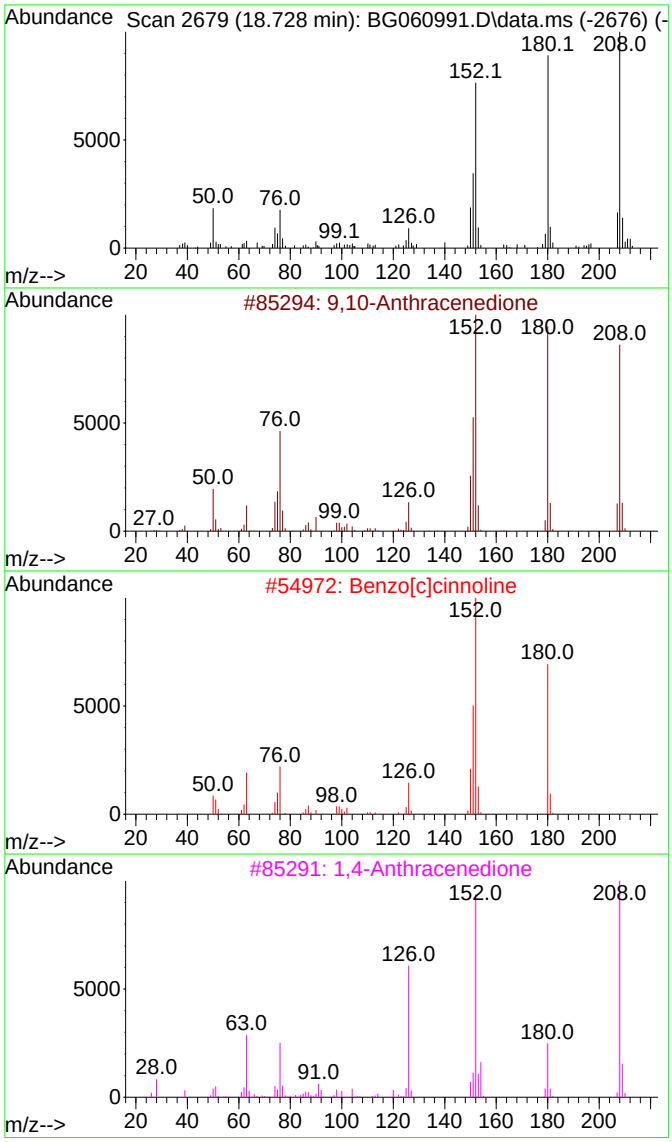
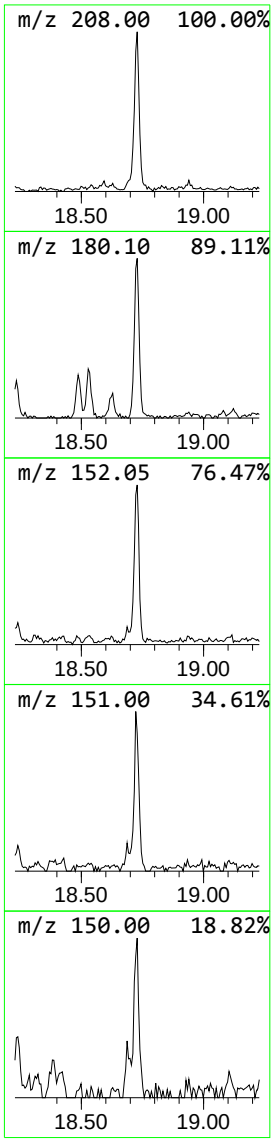
Peak Number 11 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.728	6.78 ng	149963	Phenanthrene-d10	17.312

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53





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Sample : P2127-01
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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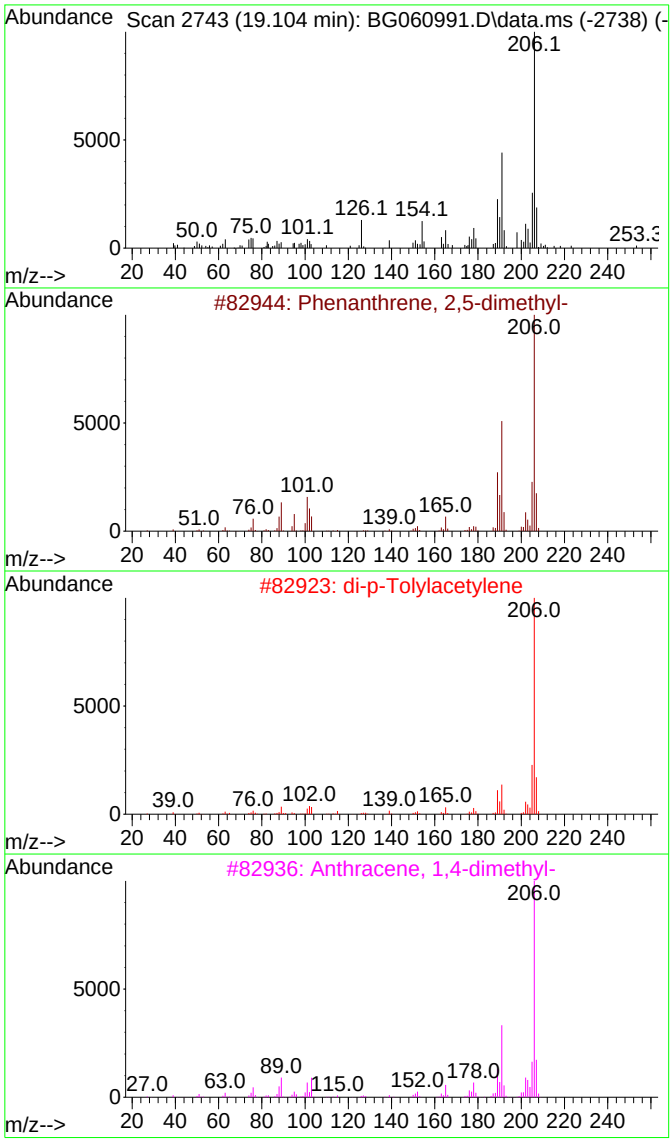
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

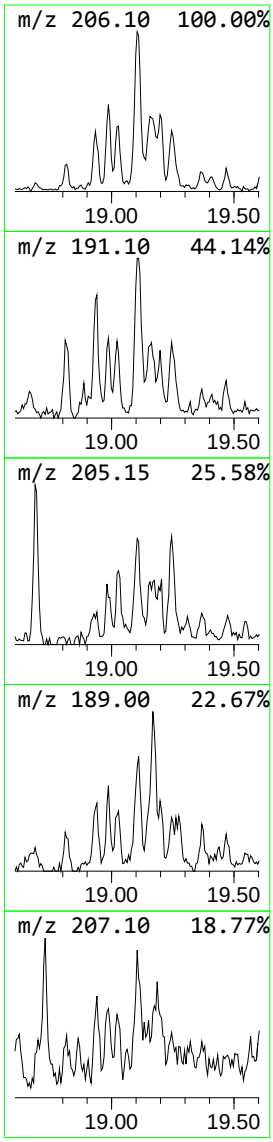
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.104	5.79 ng	128065	Phenanthrene-d10	17.312

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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Sample : P2127-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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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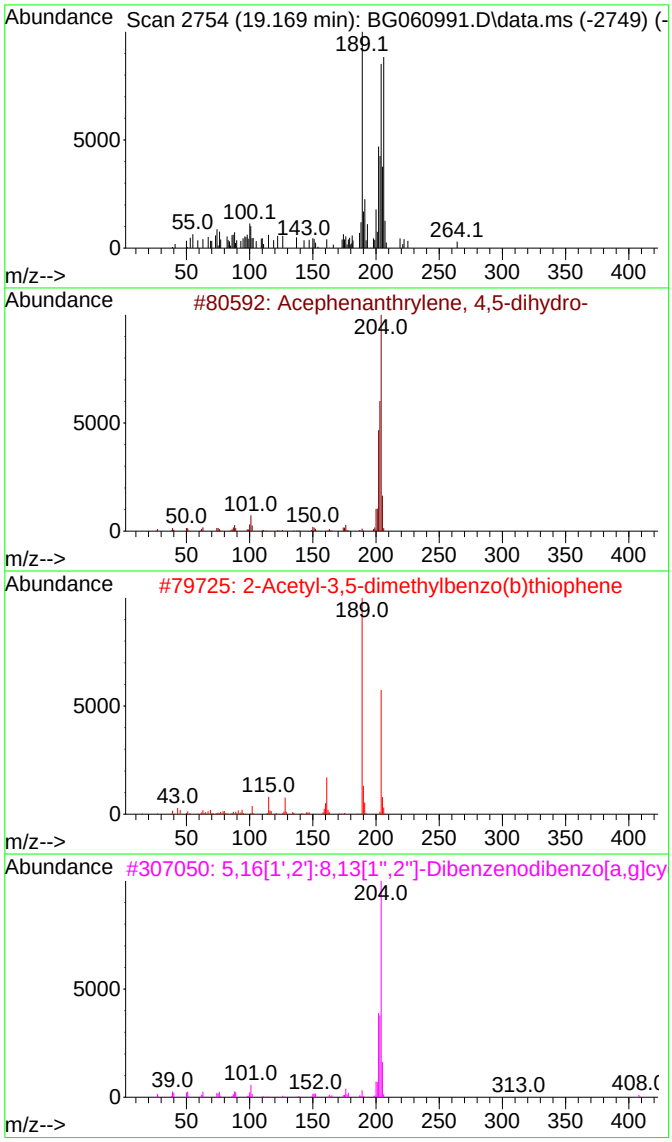
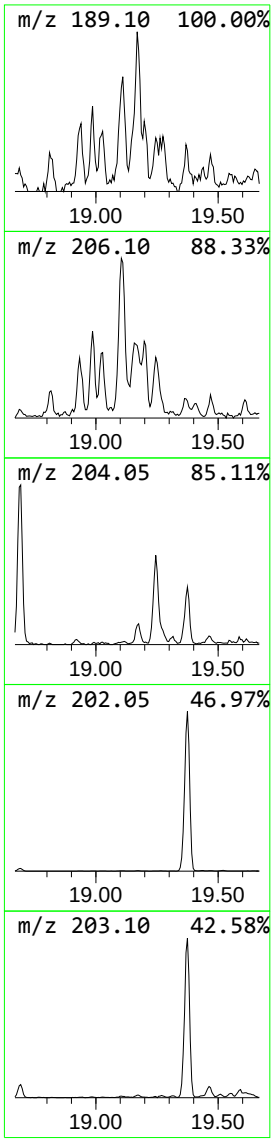
Peak Number 13 unknown19.169 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.169	4.08 ng	90281	Phenanthrene-d10	17.312

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
2	2-Acetyl-3,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-05-1	35
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	30
5	7-Methoxy-6-methyl-2,4-pteridine...	206	C8H10N6O	343347-40-0	30





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Sample : P2127-01
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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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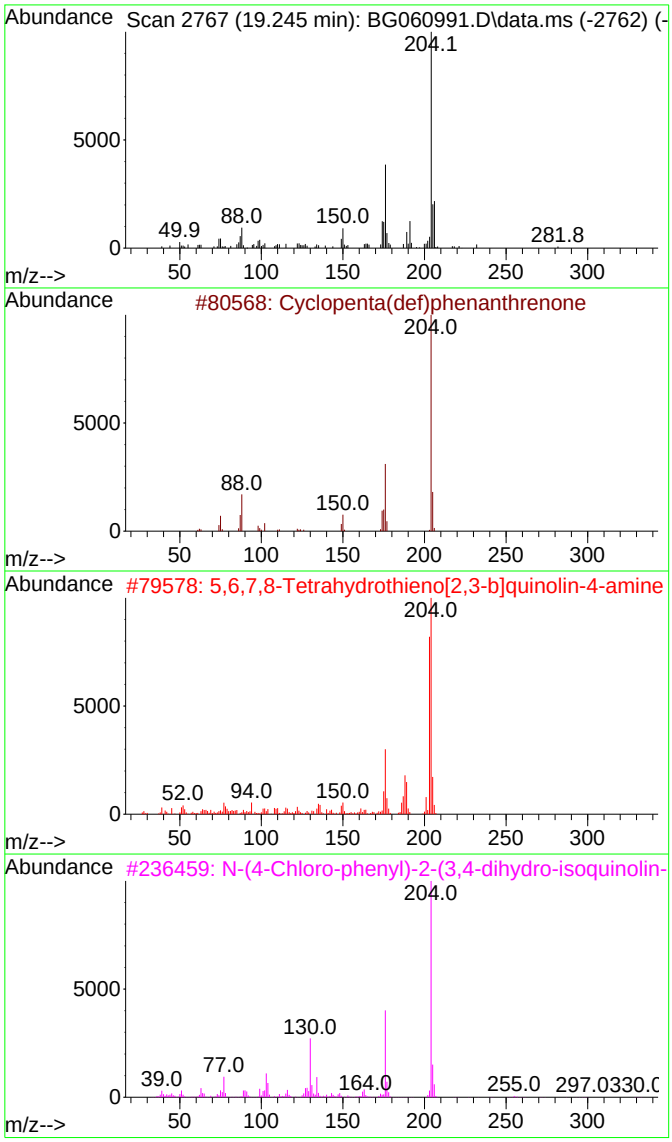
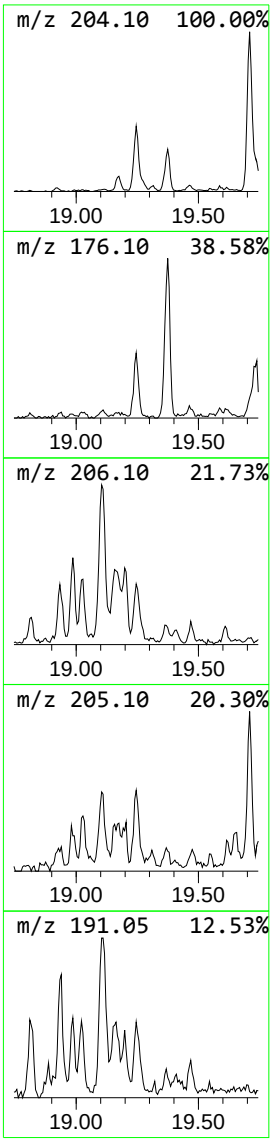
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.245	5.54 ng	122565	Phenanthrene-d10	17.312

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	64
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	50
4	3'-Carboxybenzo[1',2',-b]-1,4-di...	204	C11H12N2O2	138023-41-3	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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

TIC Library : C:\Database\NIST20.L
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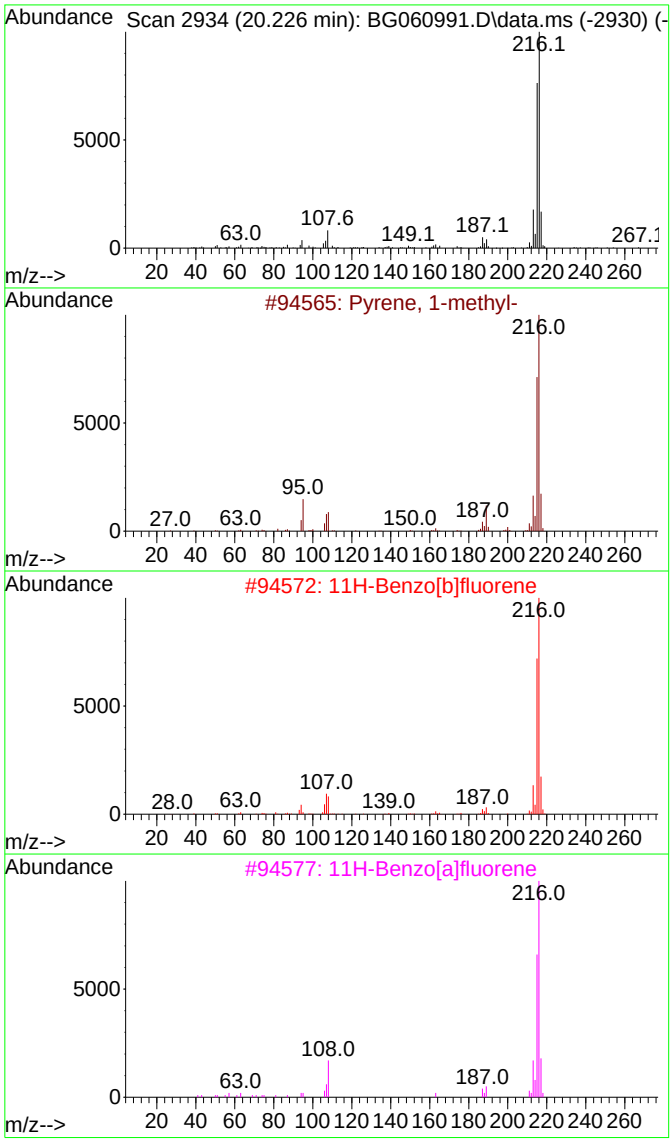
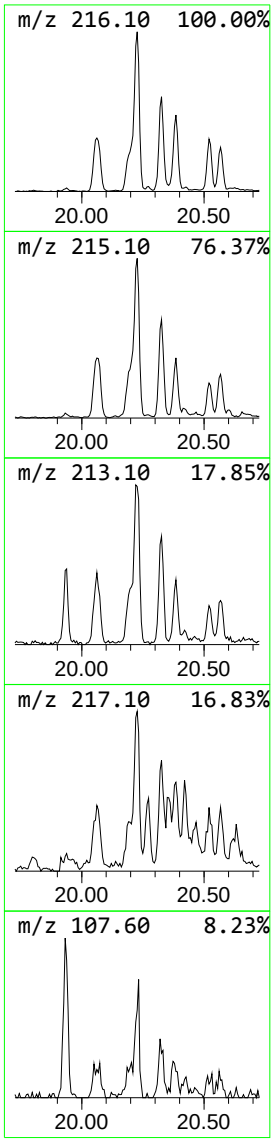
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.226	3.09 ng	335488	Chrysene-d12	21.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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

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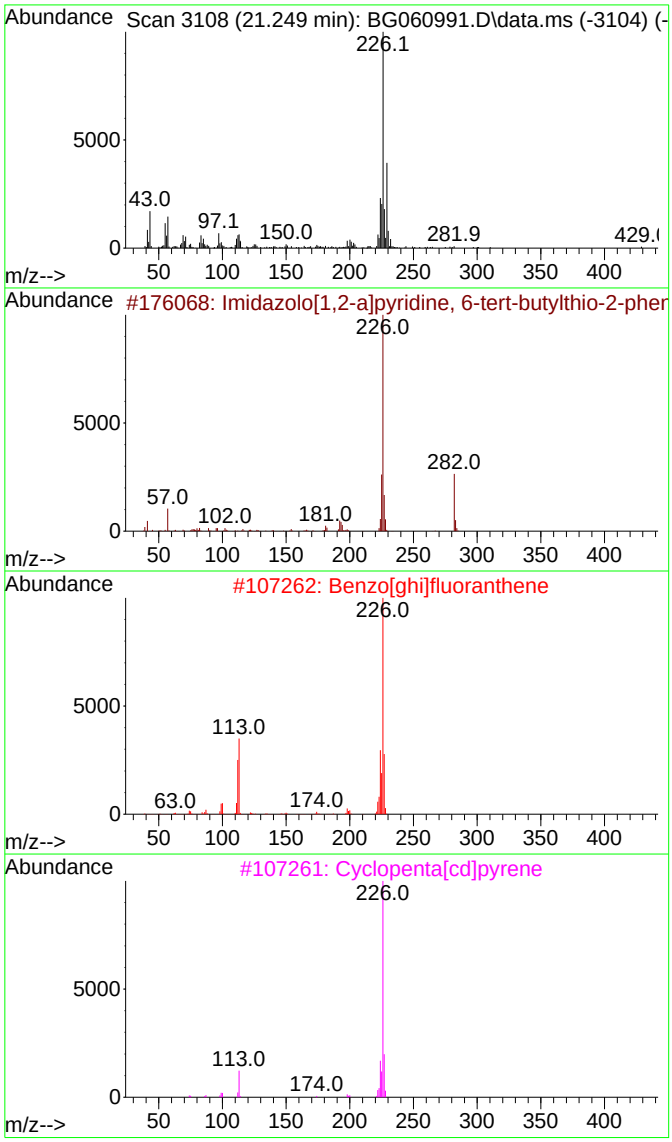
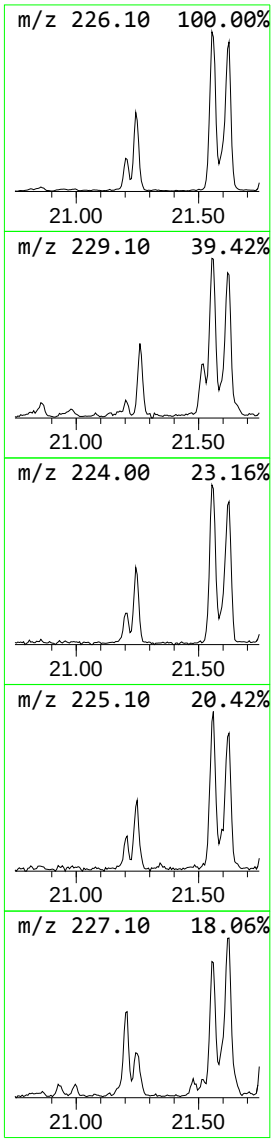
Peak Number 16 unknown21.249 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.249	3.09 ng	334654	Chrysene-d12	21.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazolo[1,2-a]pyridine, 6-tert...	282	C17H18N2S	071167-05-0	47
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	46
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	46
5	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	43





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TIC Library : C:\Database\NIST20.L
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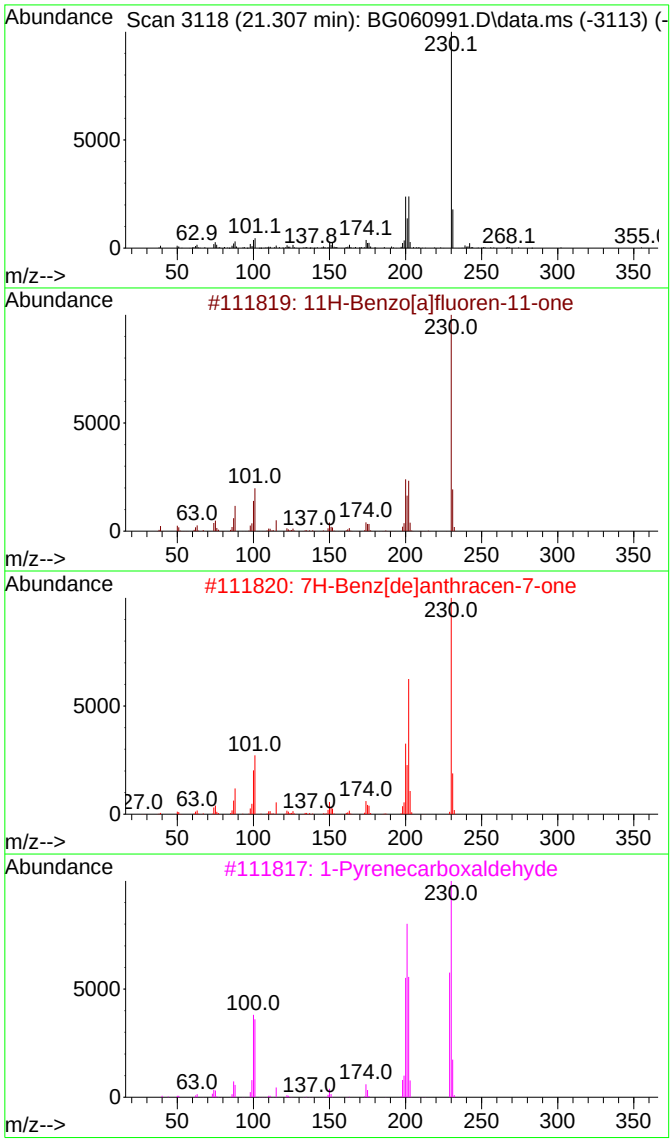
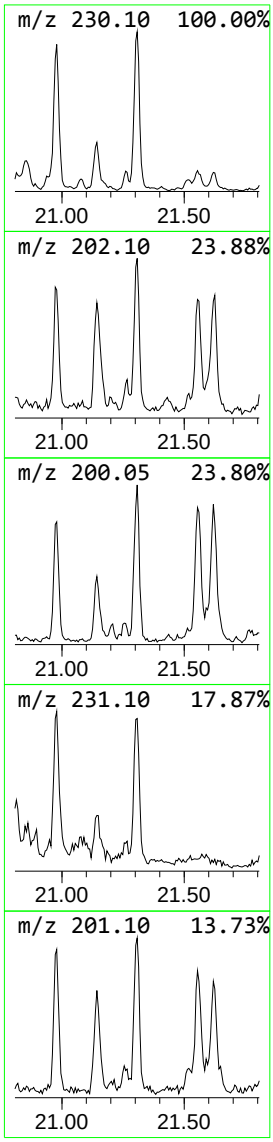
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.307	3.04 ng	330010	Chrysene-d12	21.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	83
4	p-Terphenyl	230	C18H14	000092-94-4	50
5	o-Terphenyl	230	C18H14	000084-15-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060991.D
Acq On : 22 Apr 2024 14:39
Operator : MA/JU
Sample : P2127-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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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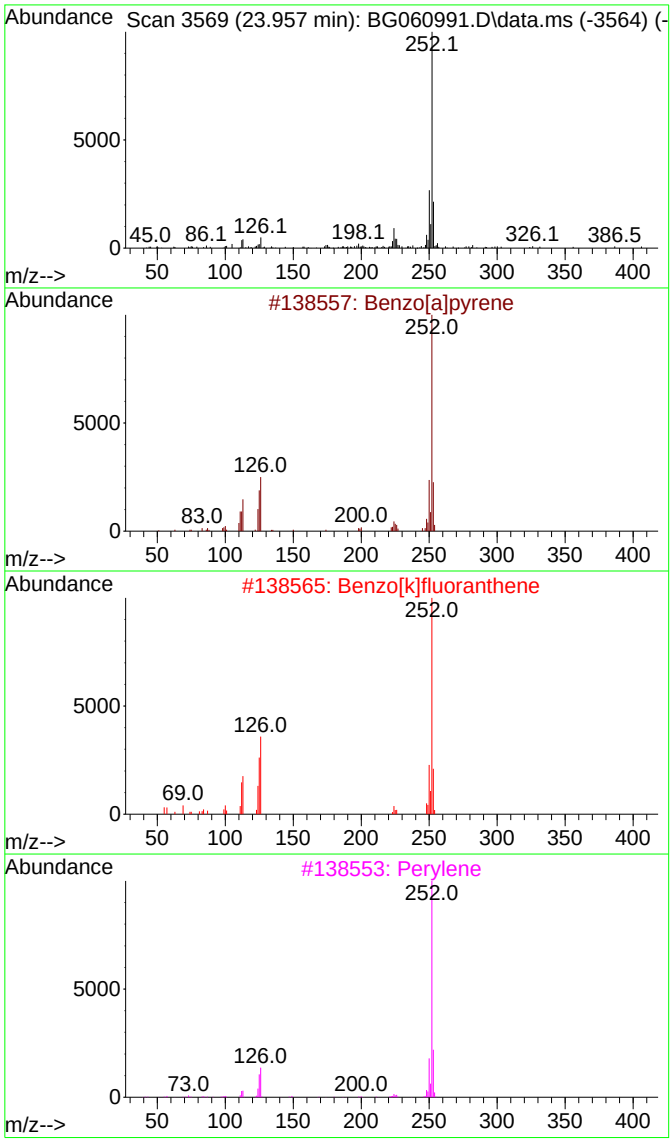
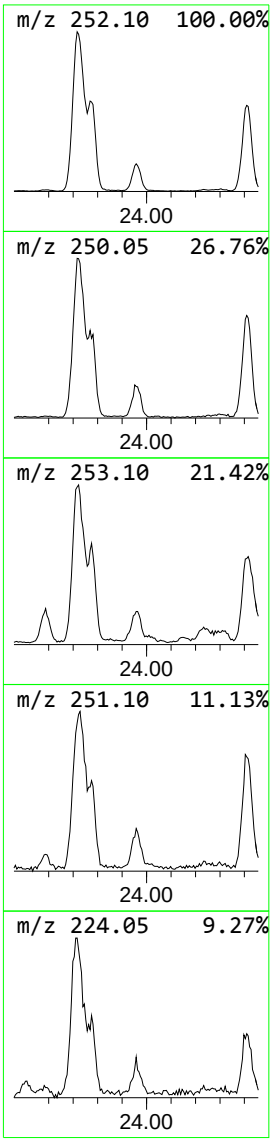
Peak Number 18 Perylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.957	6.73 ng	212356	Perylene-d12	24.698

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	64
3	Perylene	252	C20H12	000198-55-0	59
4	7-Methoxyflavone	252	C16H12O3	022395-22-8	59
5	Benzo[e]pyrene	252	C20H12	000192-97-2	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060991.D
Acq On : 22 Apr 2024 14:39
Operator : MA/JU
Sample : P2127-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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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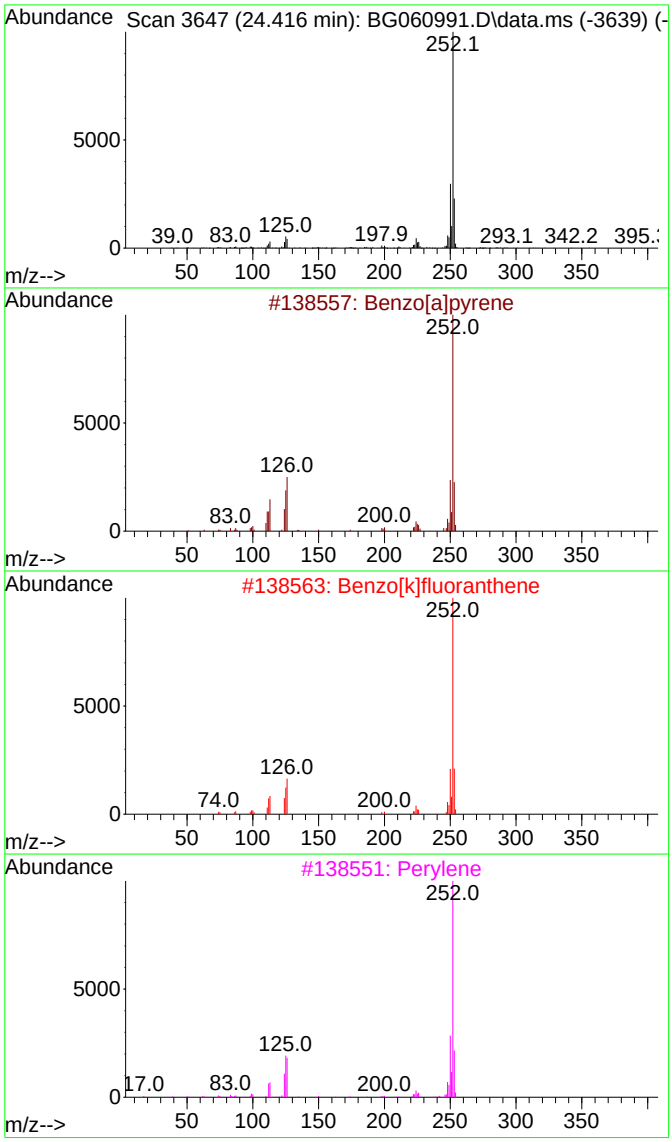
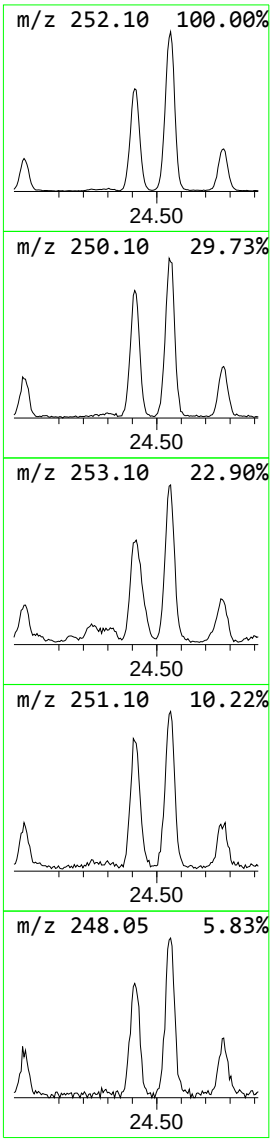
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.416	25.28 ng	797732	Perylene-d12	24.698

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5	Benzo[e]pyrene	252	C20H12	000192-97-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060991.D
Acq On : 22 Apr 2024 14:39
Operator : MA/JU
Sample : P2127-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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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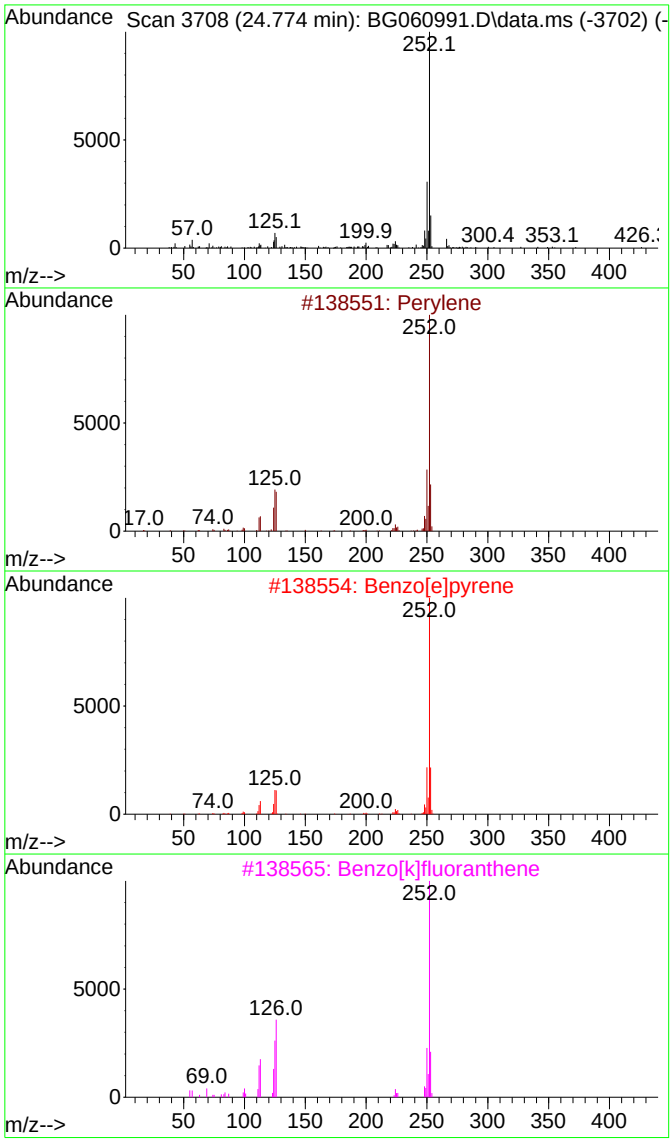
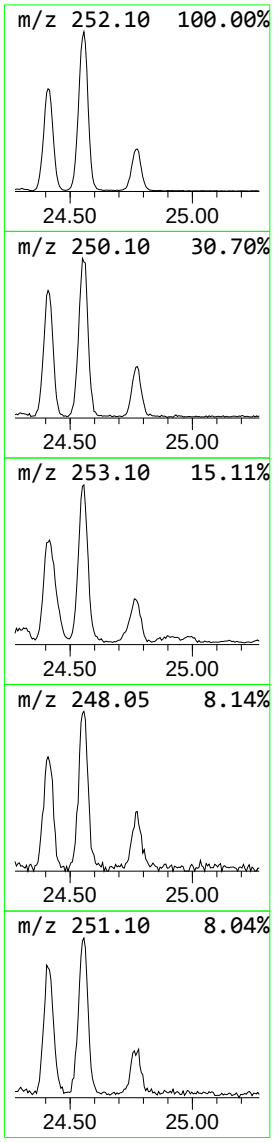
Peak Number 20 4H-1-Benzopyran-4-one, 8-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.774	9.47 ng	298938	Perylene-d12	24.698

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	70
2	Benzo[e]pyrene	252	C20H12	000192-97-2	68
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	68
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	58
5	4H-1-Benzopyran-4-one, 8-methoxy...	252	C16H12O3	026964-26-1	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060991.D
Acq On : 22 Apr 2024 14:39
Operator : MA/JU
Sample : P2127-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2-FRONT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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...	3.164	7.2	ng	65425	1	7.941	182257	20.0
9H-Fluoren-9-one	16.965	4.7	ng	103157	4	17.312	442327	20.0
Anthracene, 1,2...	17.065	4.4	ng	96790	4	17.312	442327	20.0
Dibenzothiophene	17.130	4.7	ng	102992	4	17.312	442327	20.0
Phenanthrene, 1...	18.193	9.8	ng	215658	4	17.312	442327	20.0
Phenanthrene, 2...	18.240	17.8	ng	394141	4	17.312	442327	20.0
Anthracene, 2-m...	18.317	4.8	ng	106757	4	17.312	442327	20.0
4H-Cyclopenta[d...	18.387	18.6	ng	410738	4	17.312	442327	20.0
Phenanthrene, 4...	18.423	4.5	ng	99471	4	17.312	442327	20.0
5,16[1',2']:8,1...	18.687	7.9	ng	175181	4	17.312	442327	20.0
9,10-Anthracene...	18.728	6.8	ng	149963	4	17.312	442327	20.0
Phenanthrene, 2...	19.104	5.8	ng	128065	4	17.312	442327	20.0
unknown19.169	19.169	4.1	ng	90281	4	17.312	442327	20.0
Cyclopenta(def)...	19.245	5.5	ng	122565	4	17.312	442327	20.0
Pyrene, 1-methyl-	20.226	3.1	ng	335488	5	21.578	2168410	20.0
unknown21.249	21.249	3.1	ng	334654	5	21.578	2168410	20.0
11H-Benzo[a]flu...	21.307	3.0	ng	330010	5	21.578	2168410	20.0
Perylene	23.957	6.7	ng	212356	6	24.698	631152	20.0
Benzo[e]pyrene	24.416	25.3	ng	797732	6	24.698	631152	20.0
4H-1-Benzopyran...	24.774	9.5	ng	298938	6	24.698	631152	20.0