LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060996.D
Acq On : 22 Apr 2024 18:06
Operator : MA/JU
Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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: BG060996.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.532	426	433	444	rVB	434339	675366	7.34%	0.816%
2	7.112	695	702	716	rBV	438219	735690	8.00%	0.889%
3	7.940	837	843	849	rBV	114564	191288	2.08%	0.231%
4	9.098	1031	1040	1048	rBV	284822	510989	5.56%	0.618%
5	10.737	1311	1319	1323	rBV	141263	254441	2.77%	0.307%
6	10.784	1323	1327	1336	rVB	301044	532900	5.80%	0.644%
7	12.394	1593	1601	1608	rVB	143217	231844	2.52%	0.280%
8	12.611	1629	1638	1648	rVB	100051	171210	1.86%	0.207%
9	13.193	1729	1737	1746	rBV	781079	1159606	12.61%	1.401%
10	13.886	1846	1855	1861	rBV2	53786	101022	1.10%	0.122%
11	14.568	1962	1971	1976	rBV	232051	391243	4.25%	0.473%
12	14.633	1976	1982	1989	rVB	466076	695290	7.56%	0.840%
13	14.968	2033	2039	2047	rVB	288362	451964	4.92%	0.546%
14	15.620	2143	2150	2161	rBV	432723	663513	7.22%	0.802%
15	15.913	2196	2200	2208	rVB	71359	114345	1.24%	0.138%
16	16.060	2218	2225	2232	rBV	811638	1247937	13.57%	1.508%
17	16.624	2310	2321	2325	rBV4	53929	136013	1.48%	0.164%
18	16.971	2374	2380	2387	rVB	218543	328754	3.58%	0.397%
19	17.136	2402	2408	2417	rVB	307477	469129	5.10%	0.567%
20	17.324	2430	2440	2442	rBV	262143	431486	4.69%	0.521%
21	17.376	2442	2449	2454	rVV	4358067	7330541	79.72%	8.859%
22	17.459	2454	2463	2468	rVV	1036282	1635499	17.79%	1.976%
23	17.506	2468	2471	2478	rVB	64398	104608	1.14%	0.126%
24	17.723	2498	2508	2513	rBV2	514379	904579	9.84%	1.093%
25	17.841	2520	2528	2534	rBV2	71878	131120	1.43%	0.158%
26	17.899	2534	2538	2545	rVB2	63372	100020	1.09%	0.121%
27	18.199	2579	2589	2592	rBV	295983	519667	5.65%	0.628%
28	18.246	2592	2597	2603	rVV	411915	724743	7.88%	0.876%
29	18.322	2605	2610	2615	rVV	117022	185513	2.02%	0.224%
30	18.393	2615	2622	2626	rVV3	581089	1029255	11.19%	1.244%
31	18.428	2626	2628	2634	rVB	184806	210922	2.29%	0.255%
32	18.698	2669	2674	2677	rBV	304821	438274	4.77%	0.530%
33	18.740	2677	2681	2686	rVB	376384	522256	5.68%	0.631%
34	19.121	2739	2746	2750	rBV2	117513	241882	2.63%	0.292%
35	19.257	2764	2769	2776	rBV	181810	285773	3.11%	0.345%
36	19.392	2783	2792	2797	rBV	5369118	9098363	98.95%	10.995%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060996.D
Acq On : 22 Apr 2024 18:06
Operator : MA/JU
Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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	19.474	2803	2806	2812	rVB	88995	145750	1.59%	0.176%
38	19.574	2818	2823	2826	rBV5	58962	121886	1.33%	0.147%
39	19.621	2826	2831	2841	rVB2	215814	421284	4.58%	0.509%
40	19.756	2842	2854	2859	rBV2	4586333	9195029	100.00%	11.112%
41	19.809	2859	2863	2869	rVB	184920	275789	3.00%	0.333%
42	19.944	2876	2886	2889	rBV2	1358516	2225271	24.20%	2.689%
43	19.973	2889	2891	2898	rVB	272670	355305	3.86%	0.429%
44	20.056	2899	2905	2906	rBV	220402	311139	3.38%	0.376%
45	20.114	2912	2915	2919	rVB	140641	162110	1.76%	0.196%
46	20.197	2922	2929	2931	rVV4	158942	304390	3.31%	0.368%
47	20.232	2931	2935	2939	rVB	439010	642202	6.98%	0.776%
48	20.332	2947	2952	2955	rBV	262961	368362	4.01%	0.445%
49	20.391	2955	2962	2965	rVV2	311962	575787	6.26%	0.696%
50	20.426	2965	2968	2972	rVV	132623	166060	1.81%	0.201%
51	20.467	2972	2975	2980	rVB2	84878	118635	1.29%	0.143%
52	20.532	2982	2986	2989	rBV	132766	177104	1.93%	0.214%
53	20.573	2989	2993	2997	rVB2	157738	226692	2.47%	0.274%
54	20.984	3059	3063	3070	rVB	409527	621106	6.75%	0.751%
55	21.166	3087	3094	3098	rBV2	490458	889381	9.67%	1.075%
56	21.213	3098	3102	3105	rVV	370808	559517	6.08%	0.676%
57	21.254	3105	3109	3115	rVV2	473954	917315	9.98%	1.109%
58	21.319	3115	3120	3131	rVB2	495951	854779	9.30%	1.033%
59	21.442	3133	3141	3147	rBV	140096	337679	3.67%	0.408%
60	21.572	3152	3163	3169	rVV2	2741891	5763762	62.68%	6.965%
61	21.636	3169	3174	3186	rVB	2294979	4218366	45.88%	5.098%
62	21.777	3193	3198	3204	rVV	457372	769816	8.37%	0.930%
63	21.836	3204	3208	3214	rVV3	98064	222536	2.42%	0.269%
64	21.912	3217	3221	3226	rVB2	159064	295596	3.21%	0.357%
65	21.977	3226	3232	3239	rBV2	302712	568594	6.18%	0.687%
66	22.294	3282	3286	3292	rVB	220467	398042	4.33%	0.481%
67	22.365	3294	3298	3305	rVB2	141843	284405	3.09%	0.344%
68	22.564	3327	3332	3335	rBV	127919	233462	2.54%	0.282%
69	22.606	3336	3339	3346	rVB4	160796	273876	2.98%	0.331%
70	22.700	3349	3355	3366	rVB2	114187	331328	3.60%	0.400%
71	22.952	3392	3398	3400	rBV2	60703	126379	1.37%	0.153%
72	23.751	3521	3534	3540	rBV3	1435917	5220719	56.78%	6.309%
73	23.980	3567	3573	3581	rVB2	222781	528233	5.74%	0.638%
74	24.180	3602	3607	3610	rBV3	67399	142829	1.55%	0.173%
75	24.445	3642	3652	3664	rVB2	817363	2560150	27.84%	3.094%
76	24.592	3665	3677	3689	rVV	1161122	3375863	36.71%	4.080%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060996.D
Acq On : 22 Apr 2024 18:06
Operator : MA/JU
Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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	24.721	3693	3699	3705	rVV	197078	572703	6.23%	0.692%
78	24.797	3705	3712	3725	rVB	339315	1084695	11.80%	1.311%
79	28.287	4292	4306	4324	rBV4	324910	1765120	19.20%	2.133%
80	29.392	4482	4494	4515	rVB2	221768	1081720	11.76%	1.307%

Sum of corrected areas: 82747811

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
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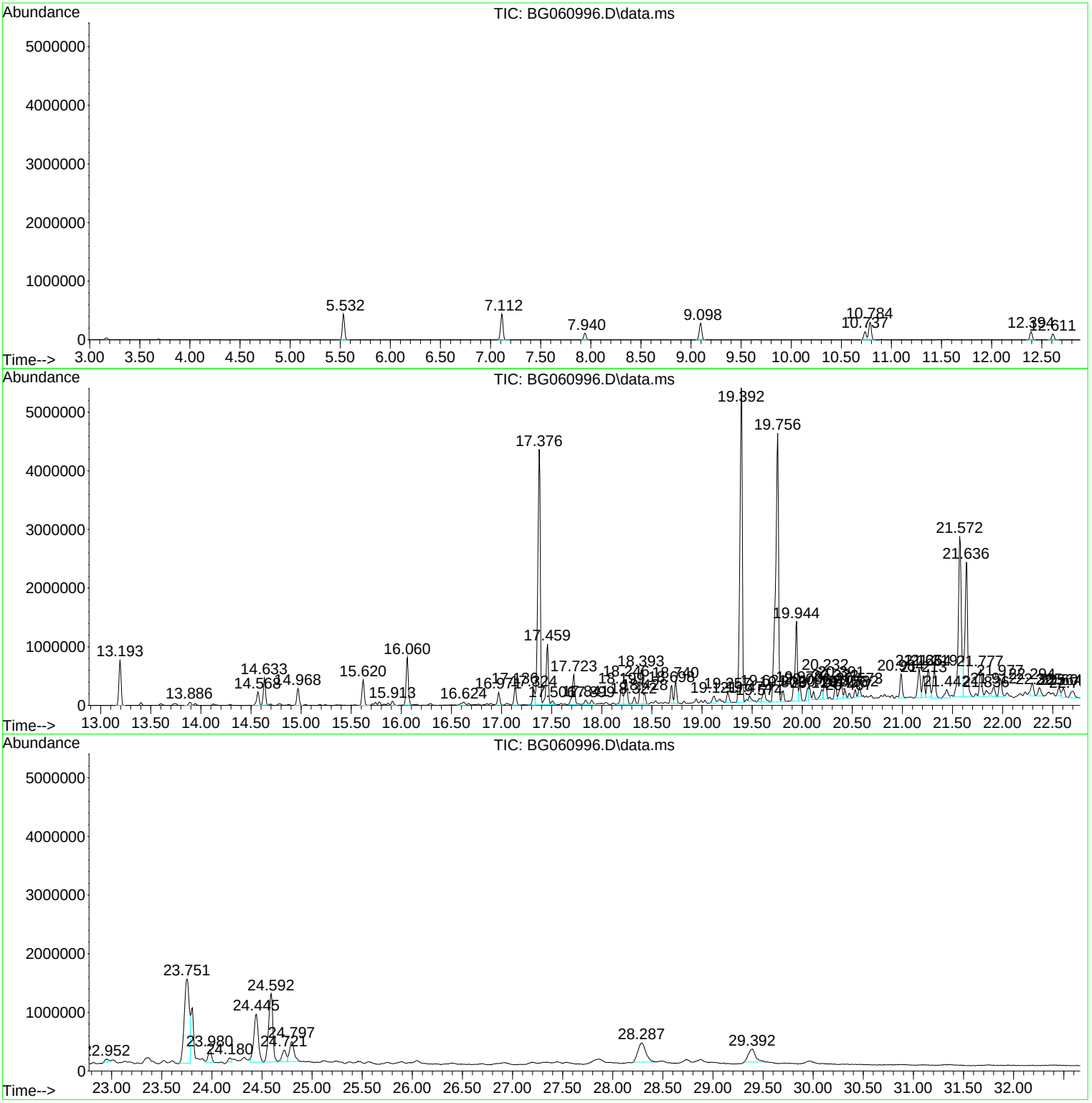
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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 : BG060996.D
Acq On : 22 Apr 2024 18:06
Operator : MA/JU
Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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

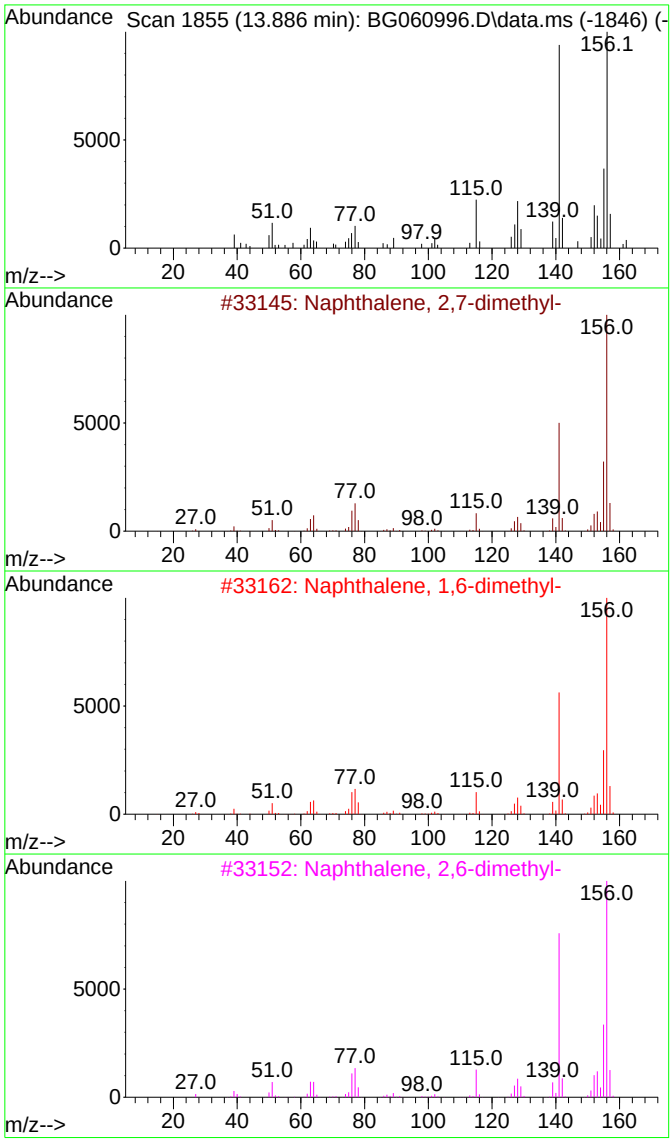
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

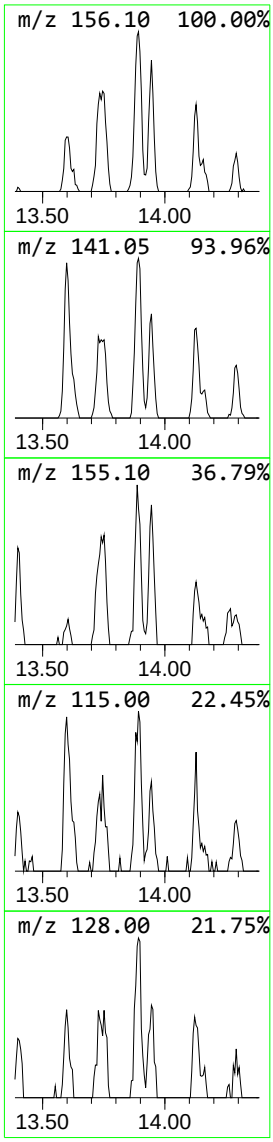
****

Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	5.16 ng	101022	Acenaphthene-d10	14.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060996.D
Acq On : 22 Apr 2024 18:06
Operator : MA/JU
Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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

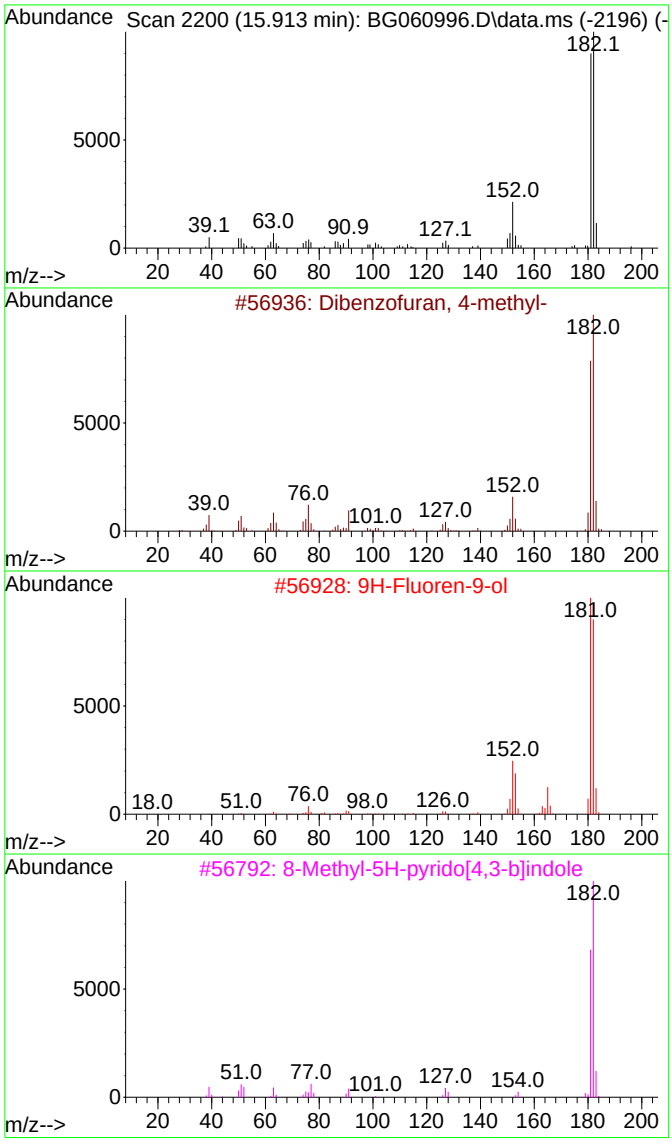
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

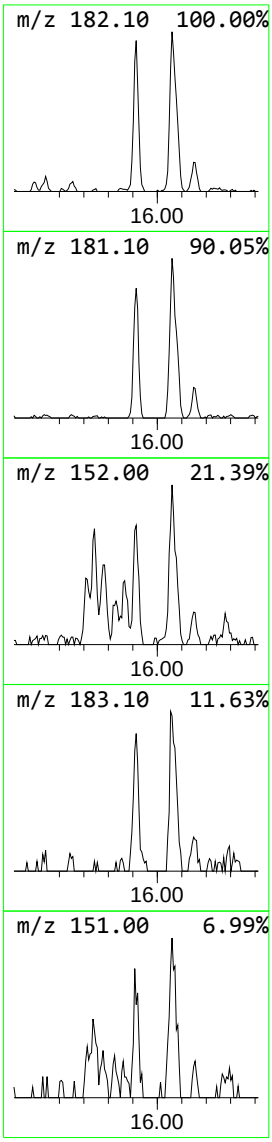
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.914	5.85 ng	114345	Acenaphthene-d10	14.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	64
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	64
5	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060996.D
Acq On : 22 Apr 2024 18:06
Operator : MA/JU
Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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

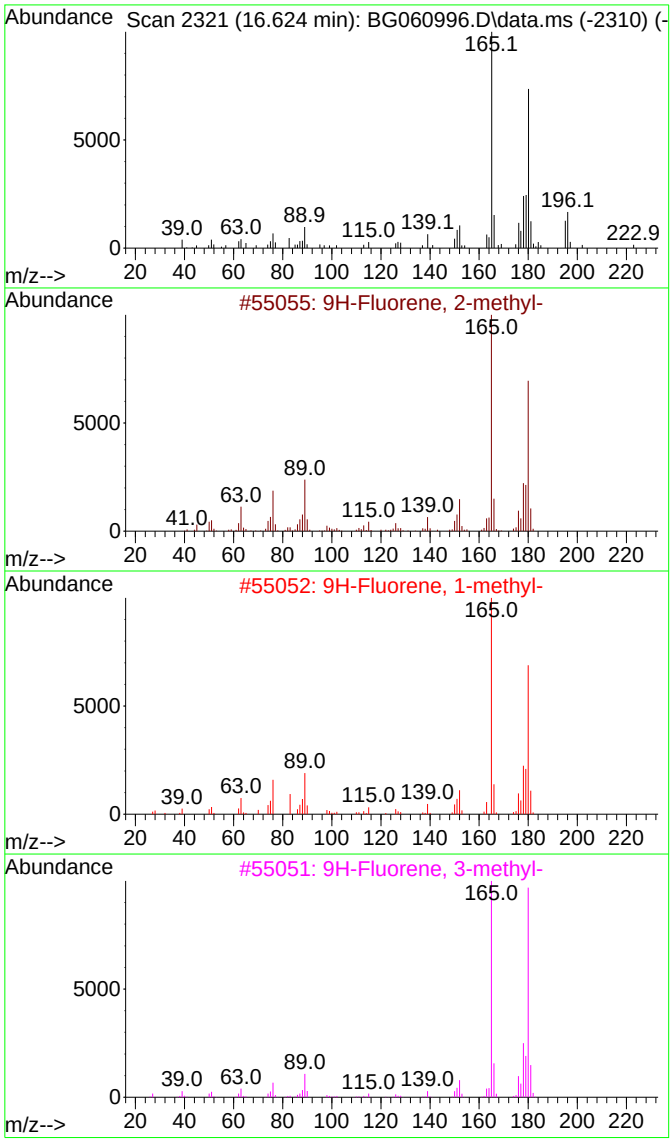
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

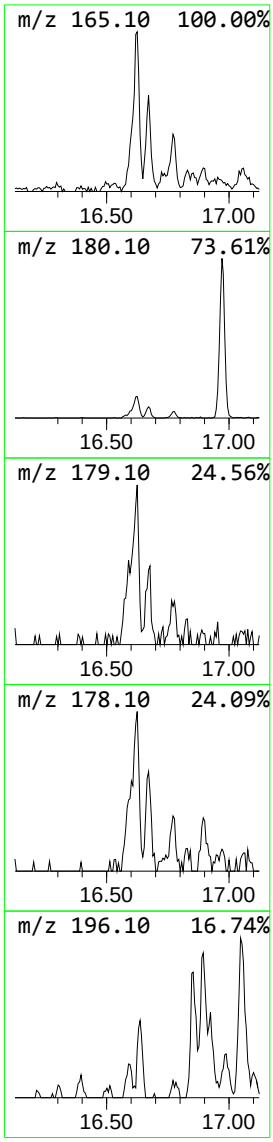
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.624	6.30 ng	136013	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060996.D
Acq On : 22 Apr 2024 18:06
Operator : MA/JU
Sample : P2126-07
Misc :
ALS Vial : 10 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

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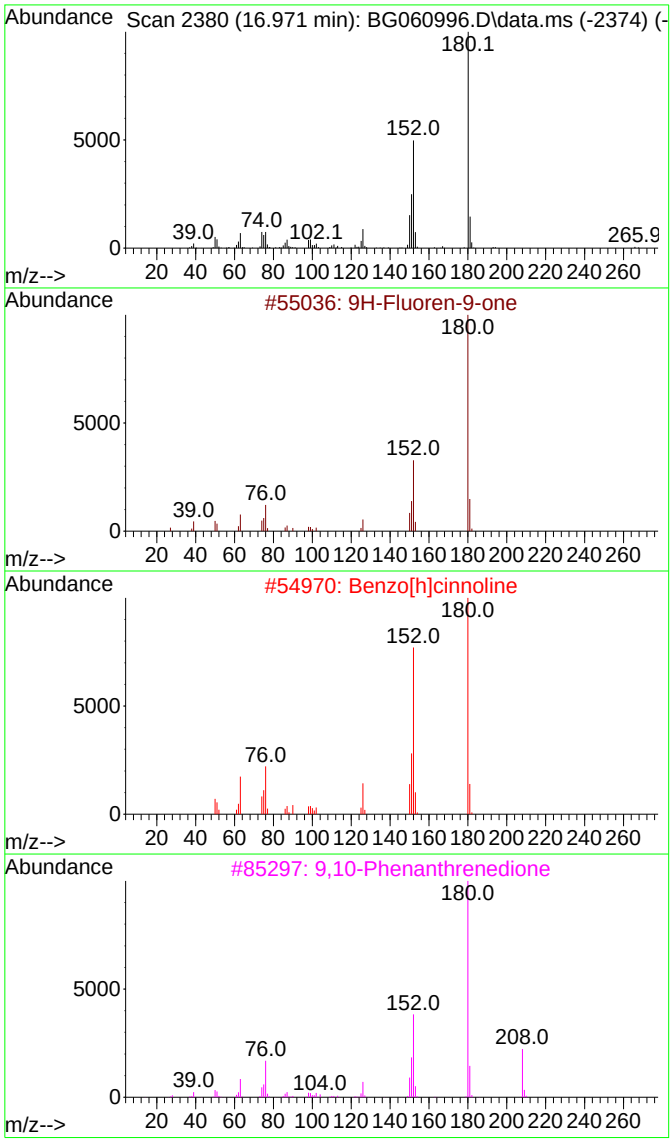
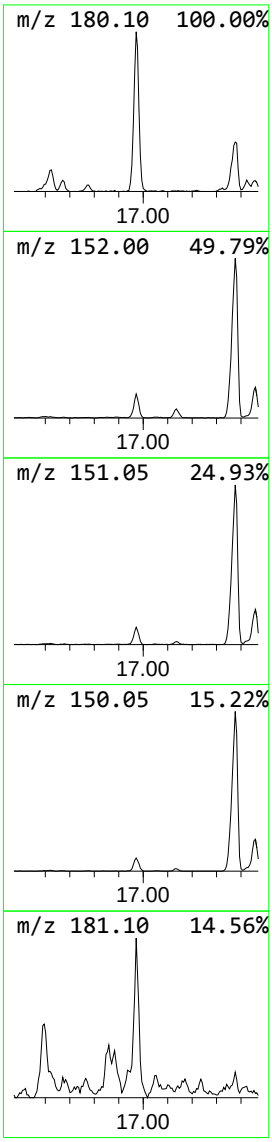
Peak Number 4 9H-Fluoren-9-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.971	15.24 ng	328754	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
4	Diphenic anhydride	224	C14H8O3	006050-13-1	83
5	15,19-Dioxatetracyclo[12.5.0.0(2...	266	C17H14O3	1000436-55-0	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060996.D
Acq On : 22 Apr 2024 18:06
Operator : MA/JU
Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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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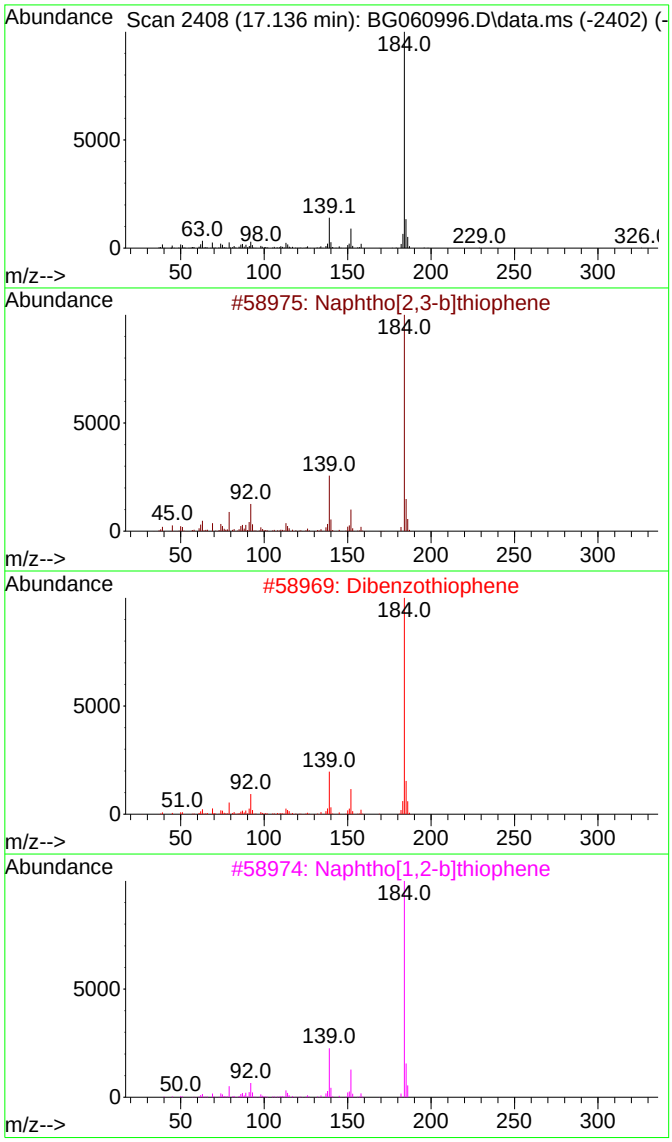
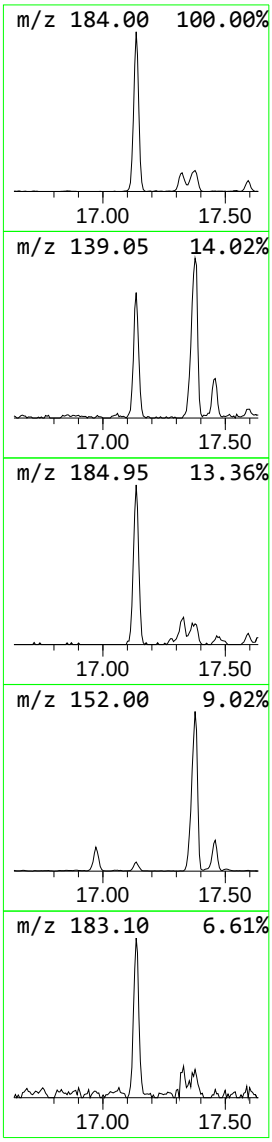
Peak Number 5 Naphtho[2,3-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.136	21.74 ng	469129	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060996.D
Acq On : 22 Apr 2024 18:06
Operator : MA/JU
Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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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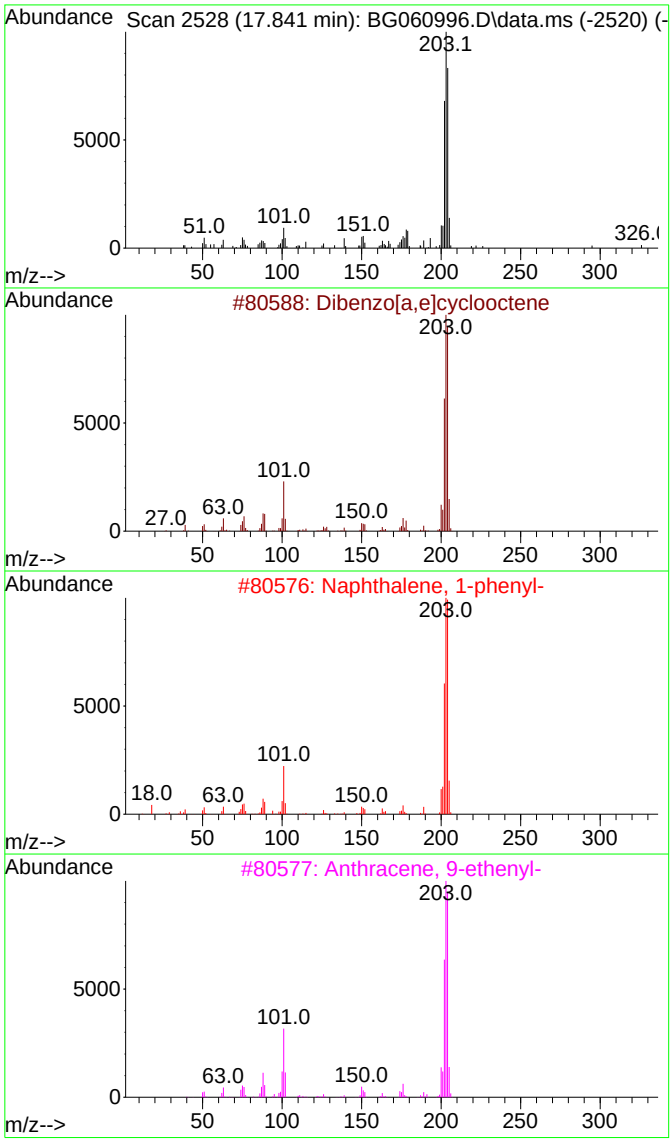
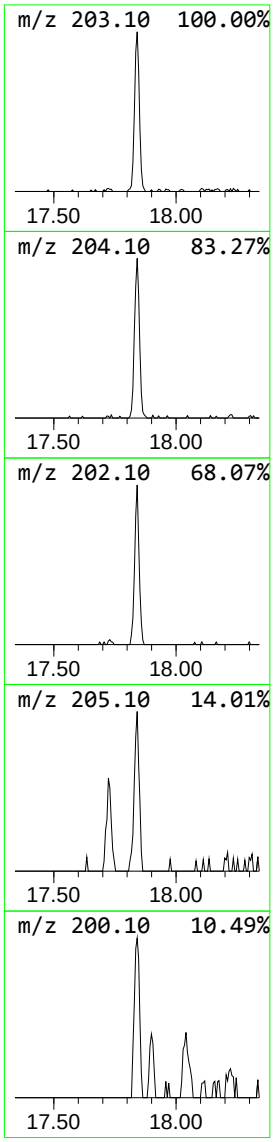
Peak Number 6 Dibenzo[a,e]cyclooctene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.841	6.08 ng	131120	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	89
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
4	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	72
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	70





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Operator : MA/JU
Sample : P2126-07
Misc :
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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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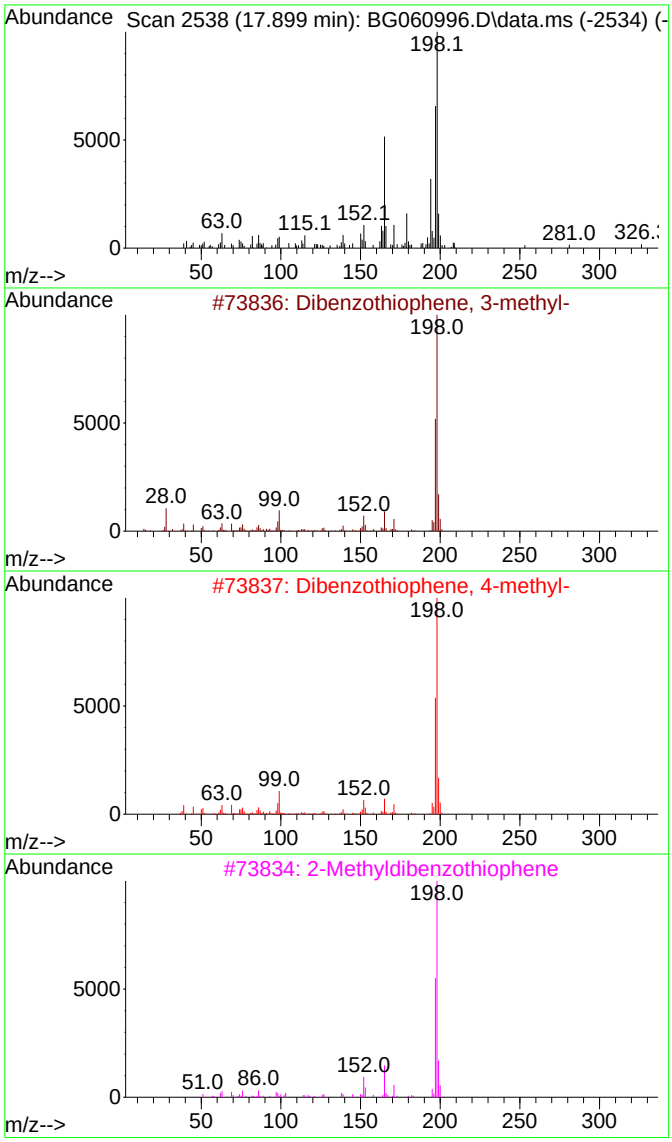
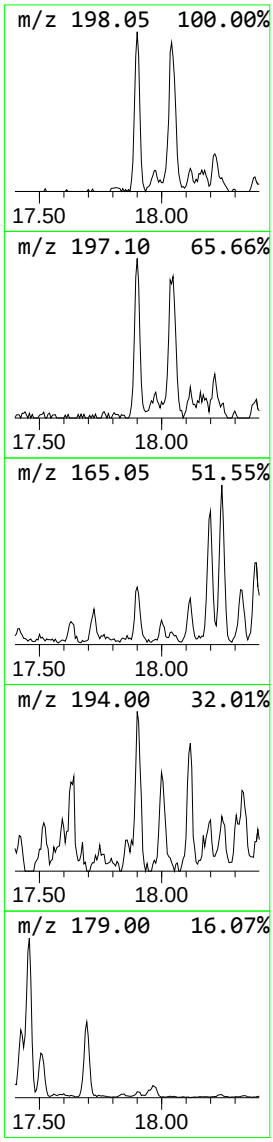
Peak Number 7 Dibenzothiophene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.899	4.64 ng	100020	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	60
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	58
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	55
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	49





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Instrument :
BNA_G
ClientSampleId :
SP-1C

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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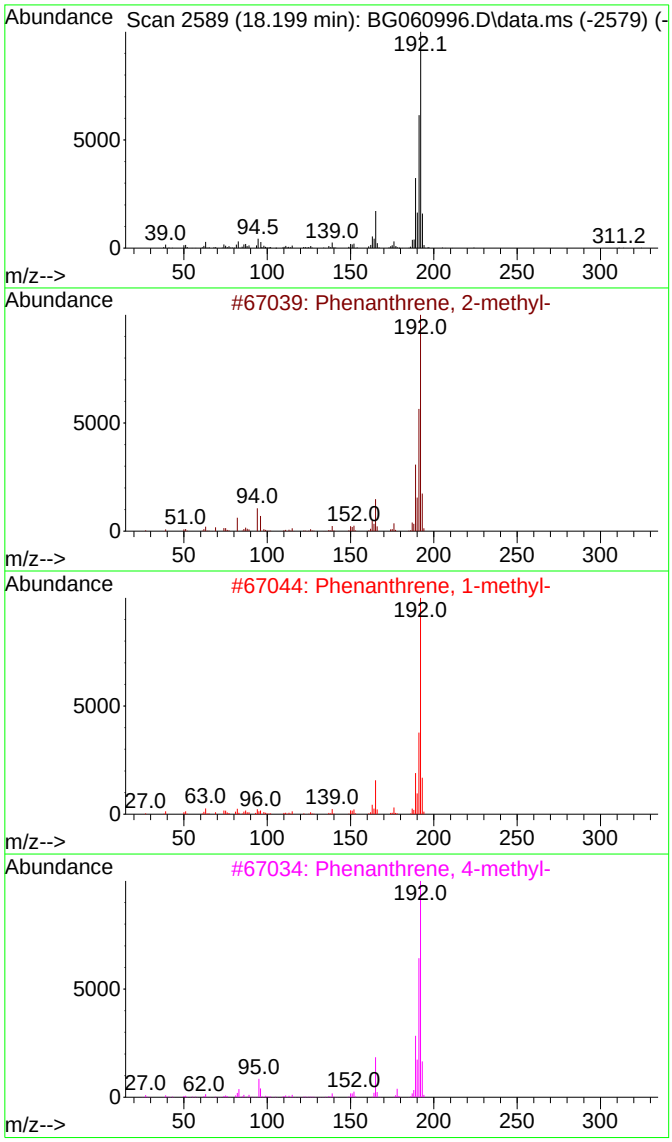
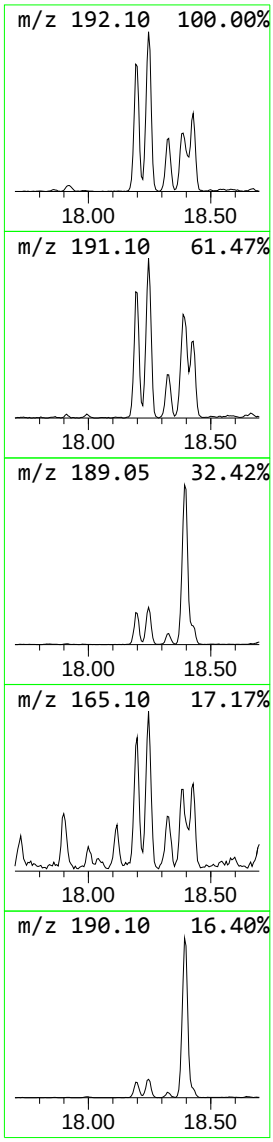
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.199	24.09 ng	519667	Phenanthrene-d10	17.324

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	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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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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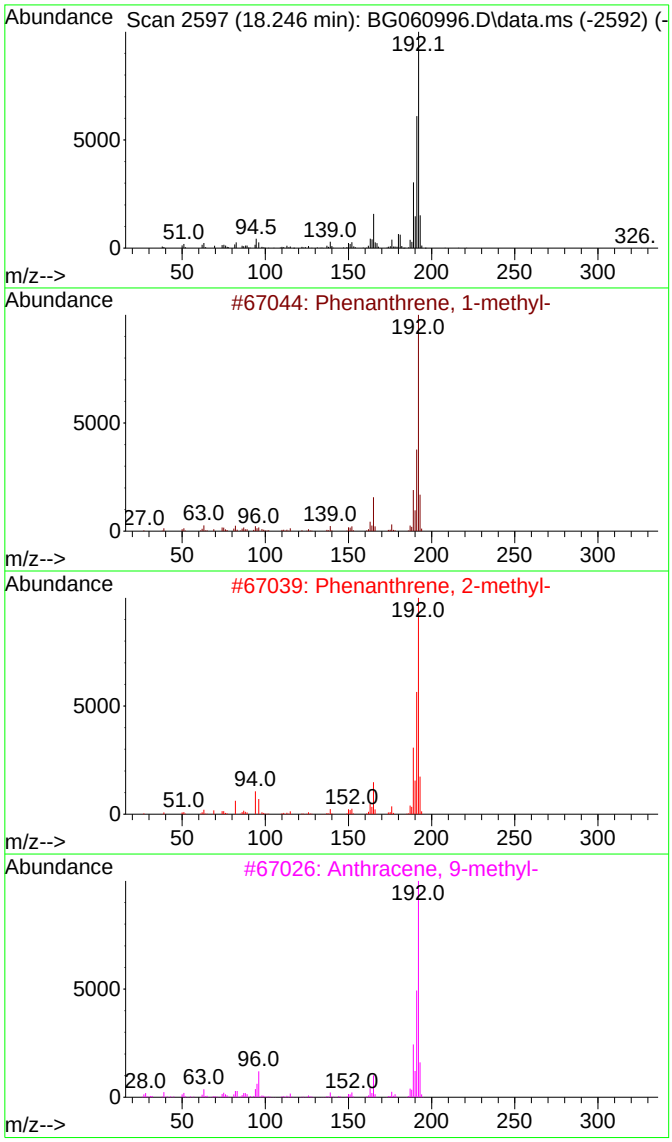
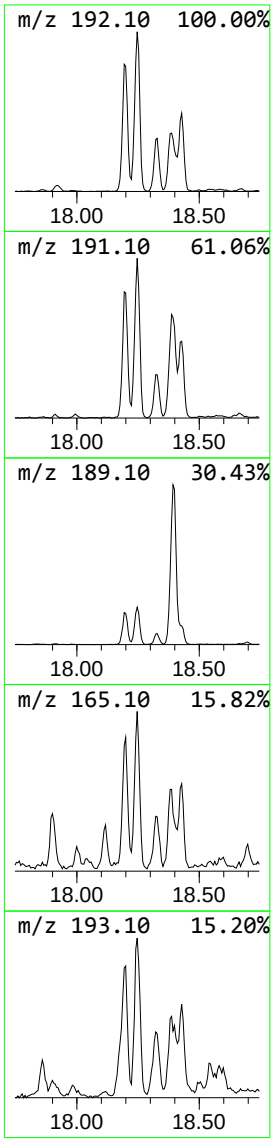
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.246	33.59 ng	724743	Phenanthrene-d10	17.324

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





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

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

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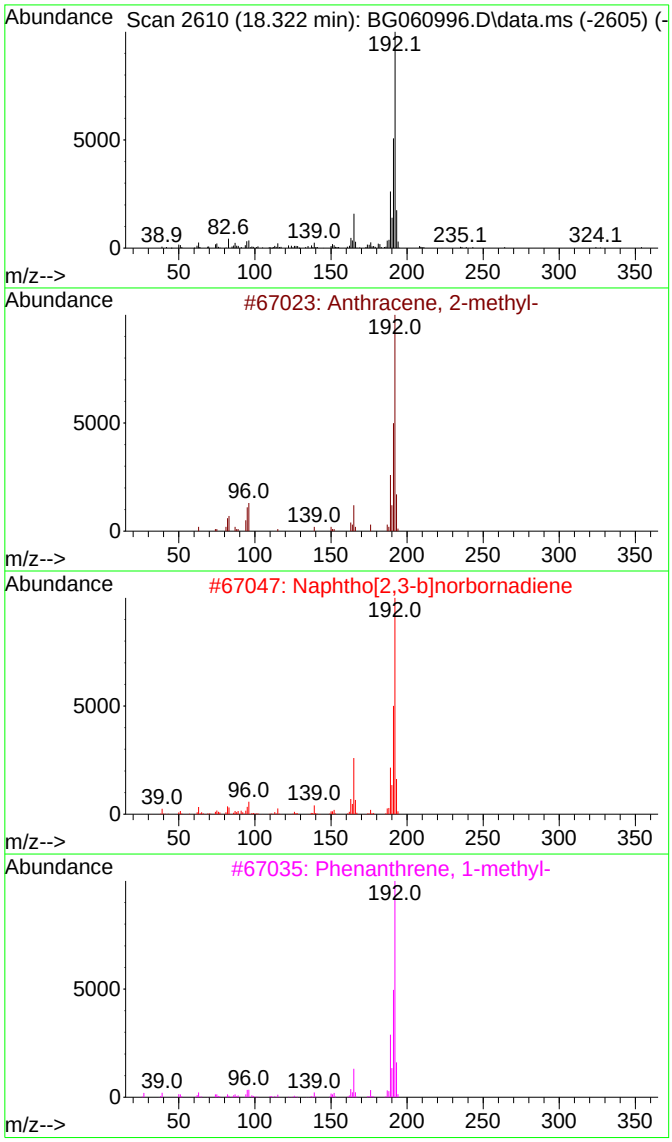
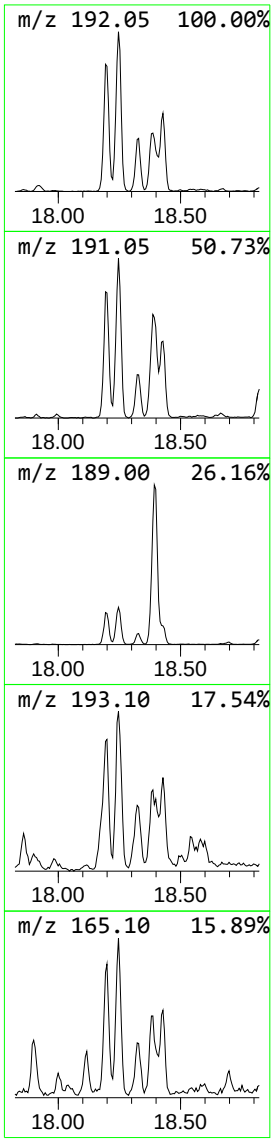
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.322	8.60 ng	185513	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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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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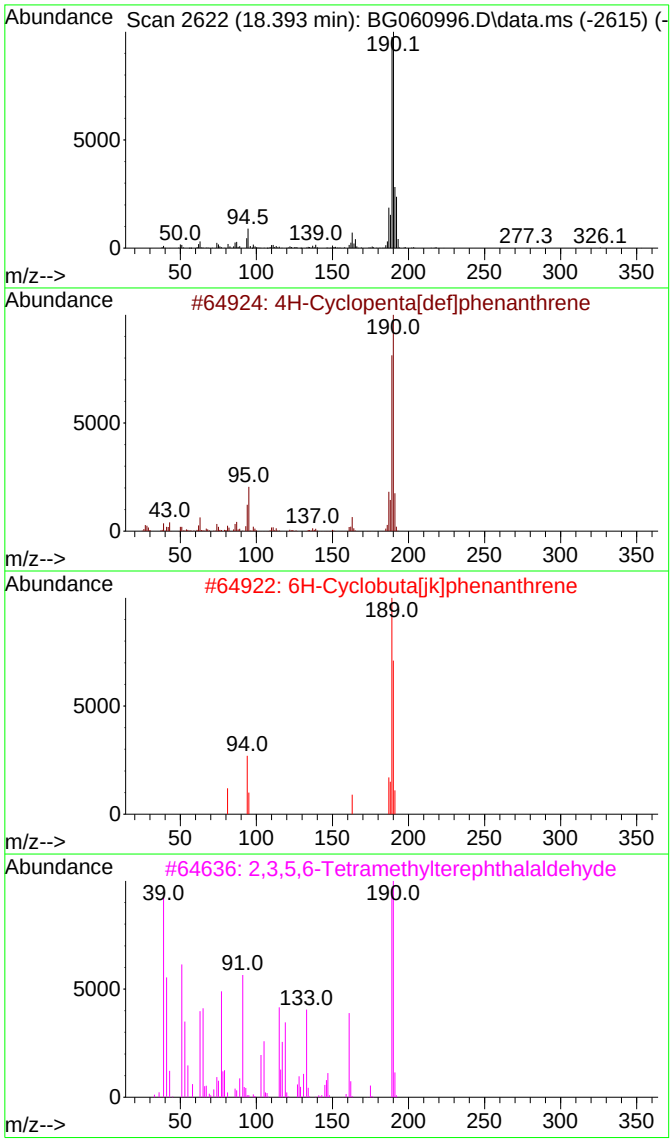
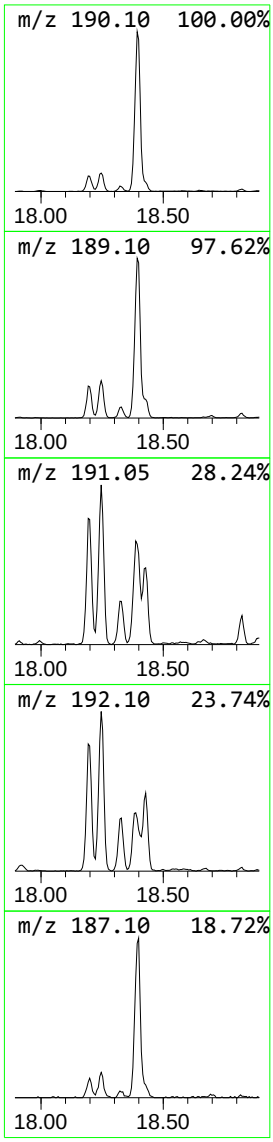
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.393	47.71 ng	1029260	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36
5	1-Aminocyclopentanecarboxylic ac...	375	C19H34ClNO4	1000329-17-1	35





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Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

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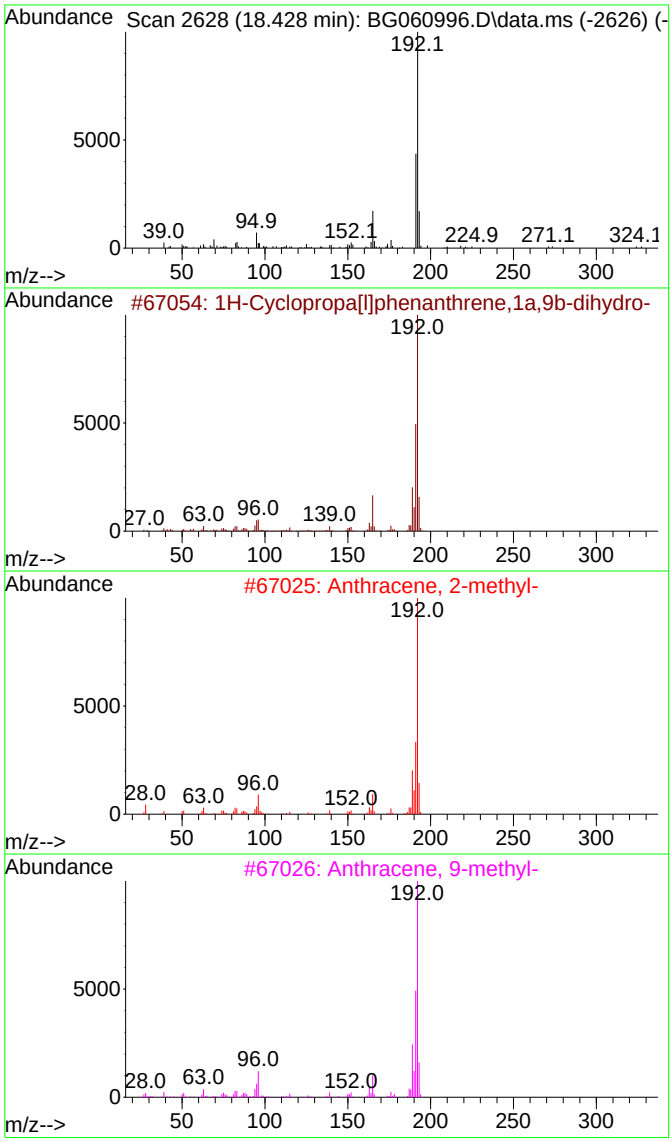
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

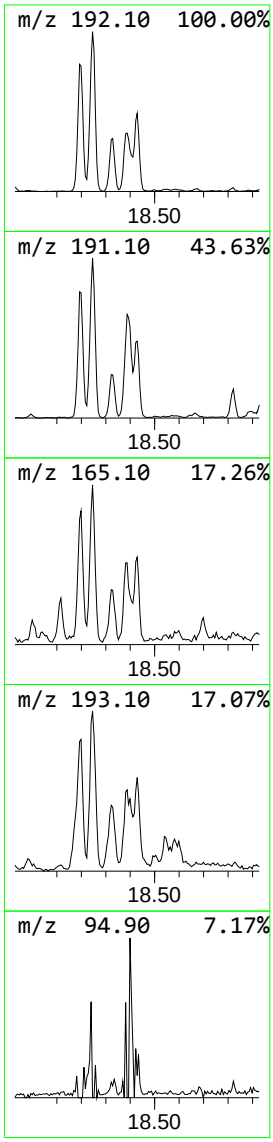
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.428	9.78 ng	210922	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Operator : MA/JU
Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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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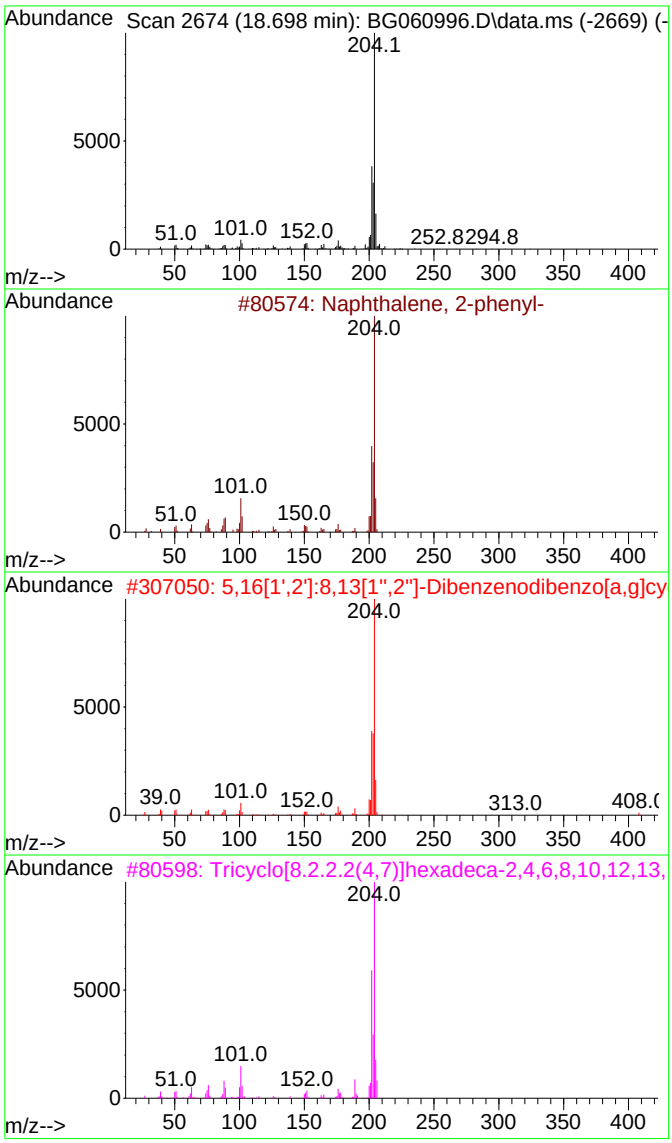
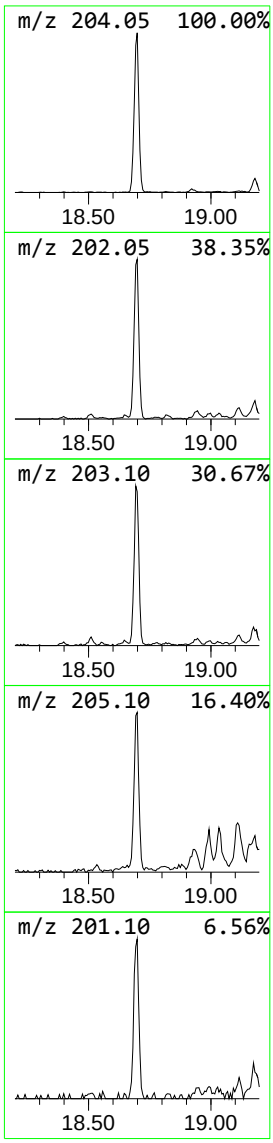
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.698	20.31 ng	438274	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	50





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Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

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

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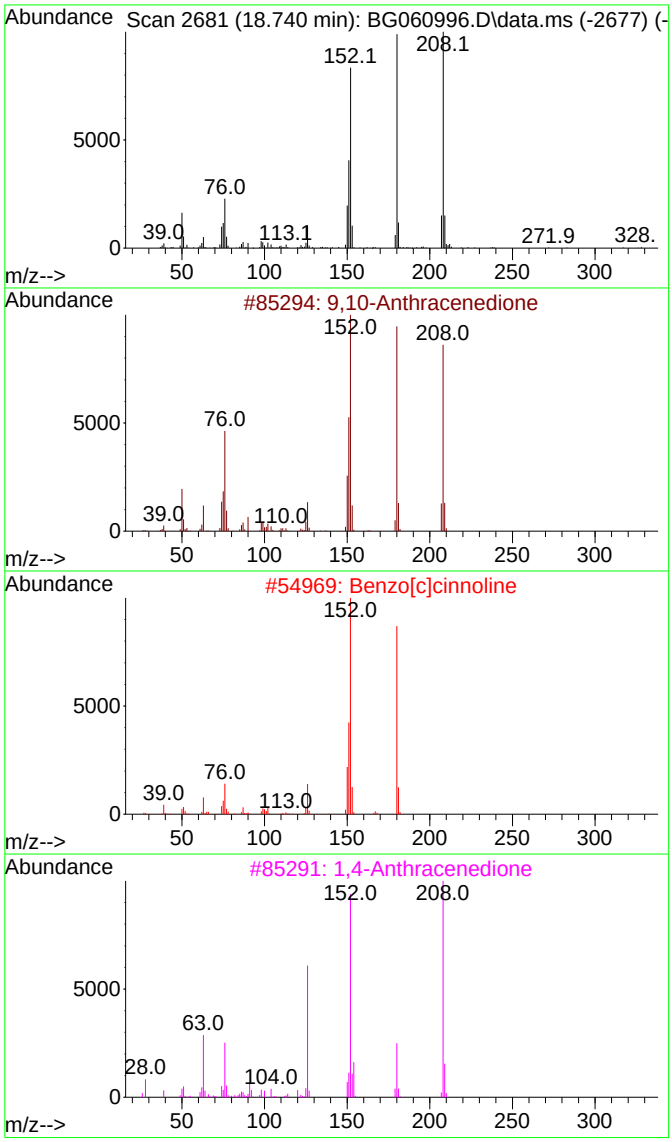
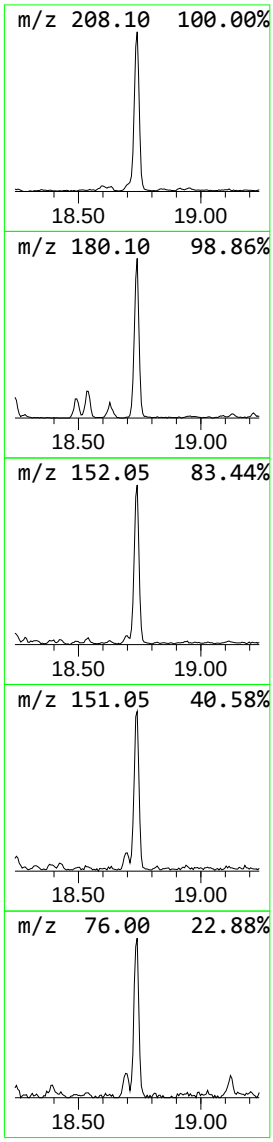
Peak Number 14 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.740	24.21 ng	522256	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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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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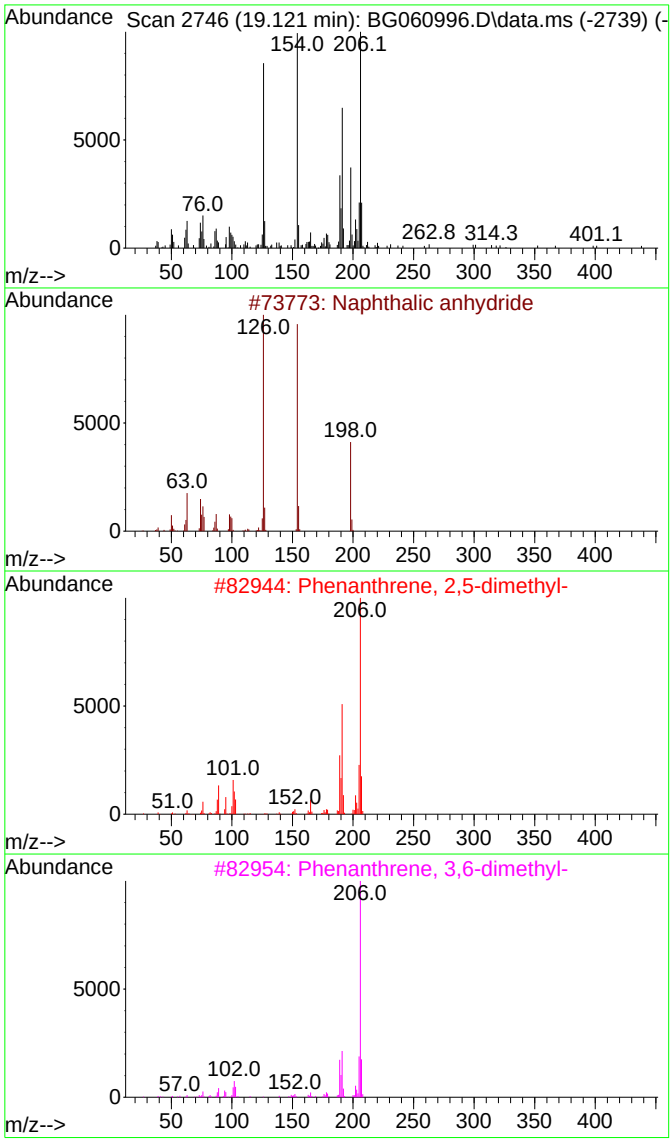
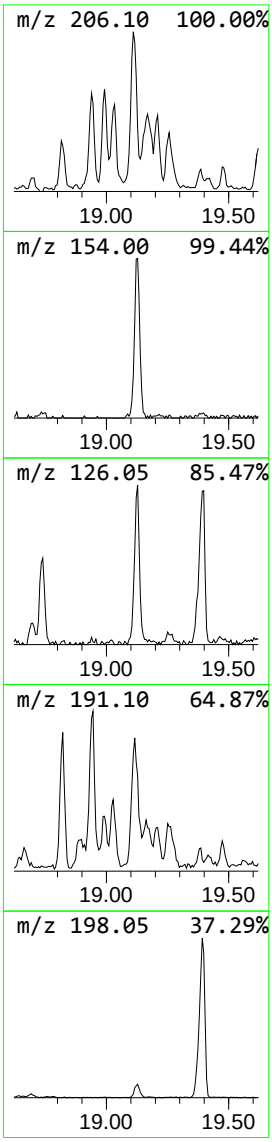
Peak Number 15 Naphthalic anhydride Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.122	11.21 ng	241882	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	42





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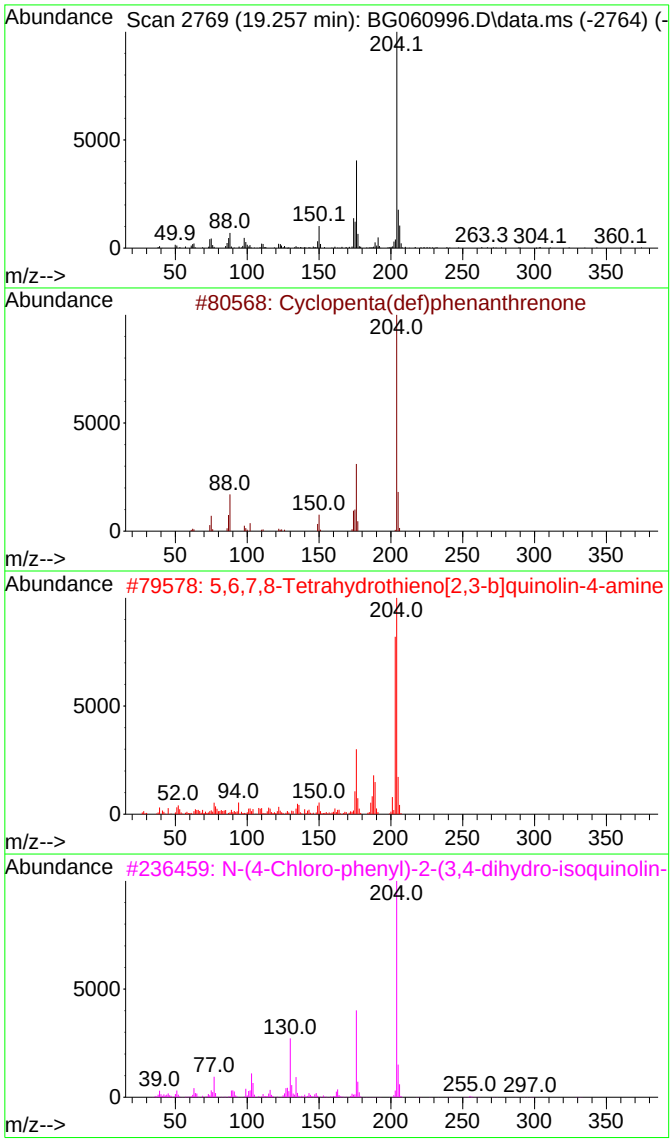
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

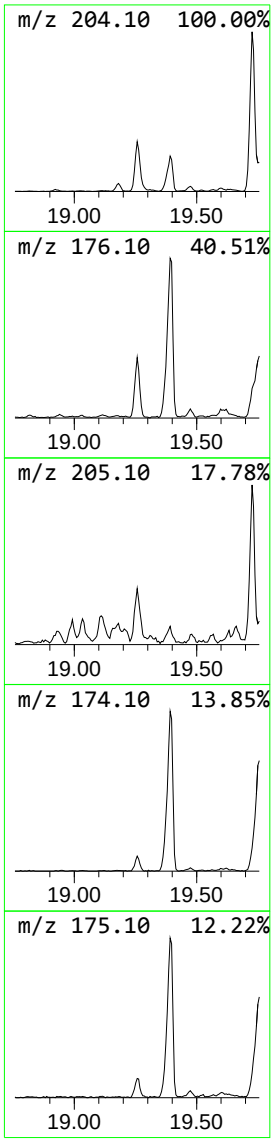
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.257	13.25 ng	285773	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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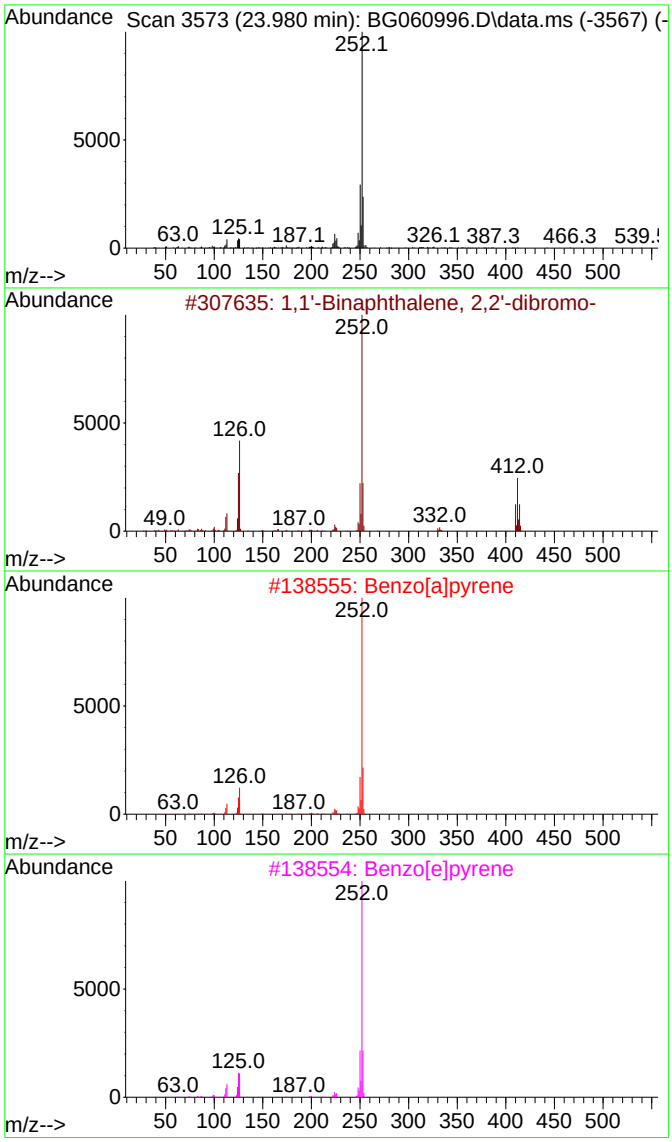
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

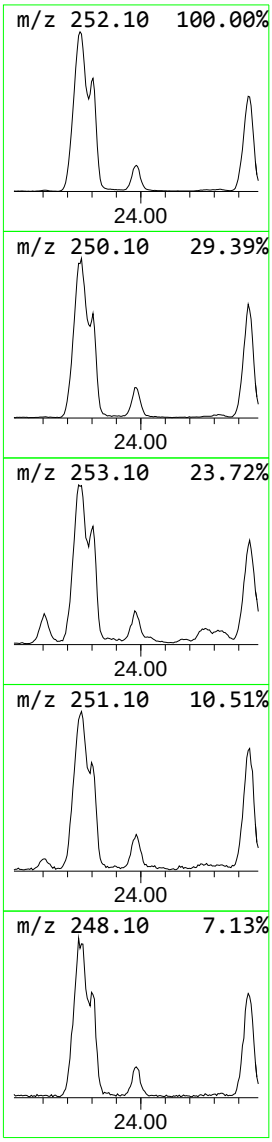
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 1,1'-Binaphthalene, 2,2'-di... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.980	18.45 ng	528233	Perylene-d12	24.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene, 2,2'-dibromo-	410	C20H12Br2	074866-28-7	86
2	Benzo[a]pyrene	252	C20H12	000050-32-8	81
3	Benzo[e]pyrene	252	C20H12	000192-97-2	74
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	74
5	Perylene	252	C20H12	000198-55-0	72





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Data File : BG060996.D
Acq On : 22 Apr 2024 18:06
Operator : MA/JU
Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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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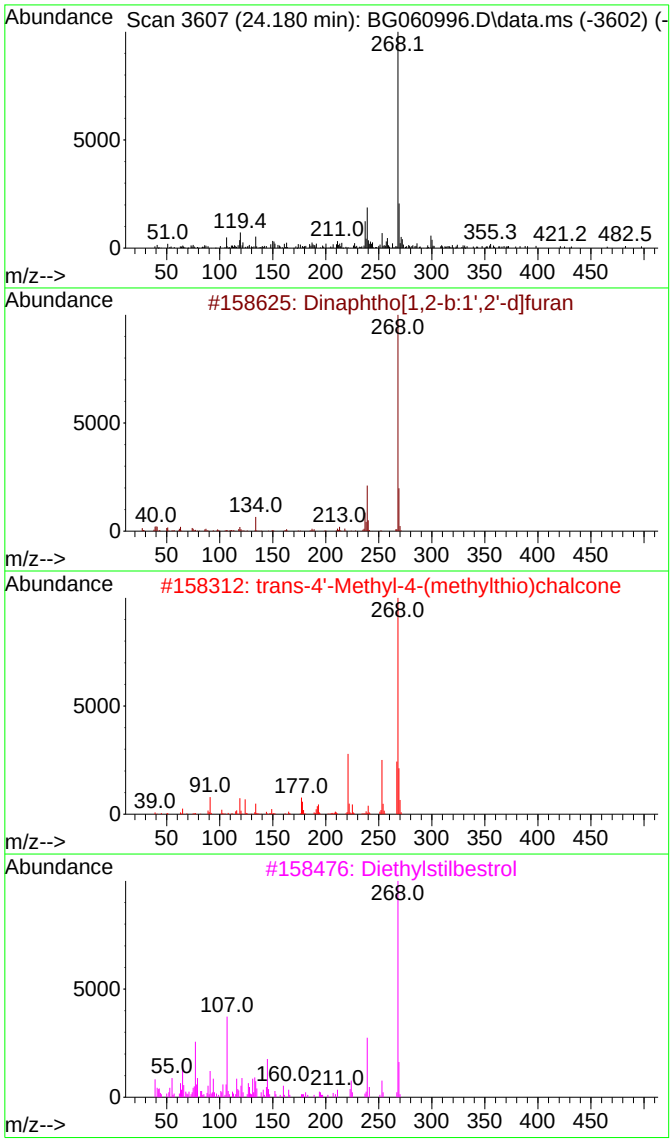
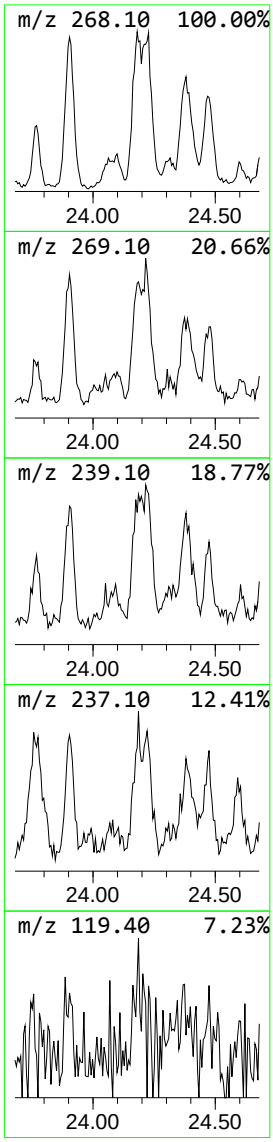
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.180	4.99 ng	142829	Perylene-d12	24.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	trans-4'-Methyl-4-(methylthio)ch...	268	C17H16OS	126443-27-4	59
3	Diethylstilbestrol	268	C18H20O2	000056-53-1	59
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
5	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060996.D
Acq On : 22 Apr 2024 18:06
Operator : MA/JU
Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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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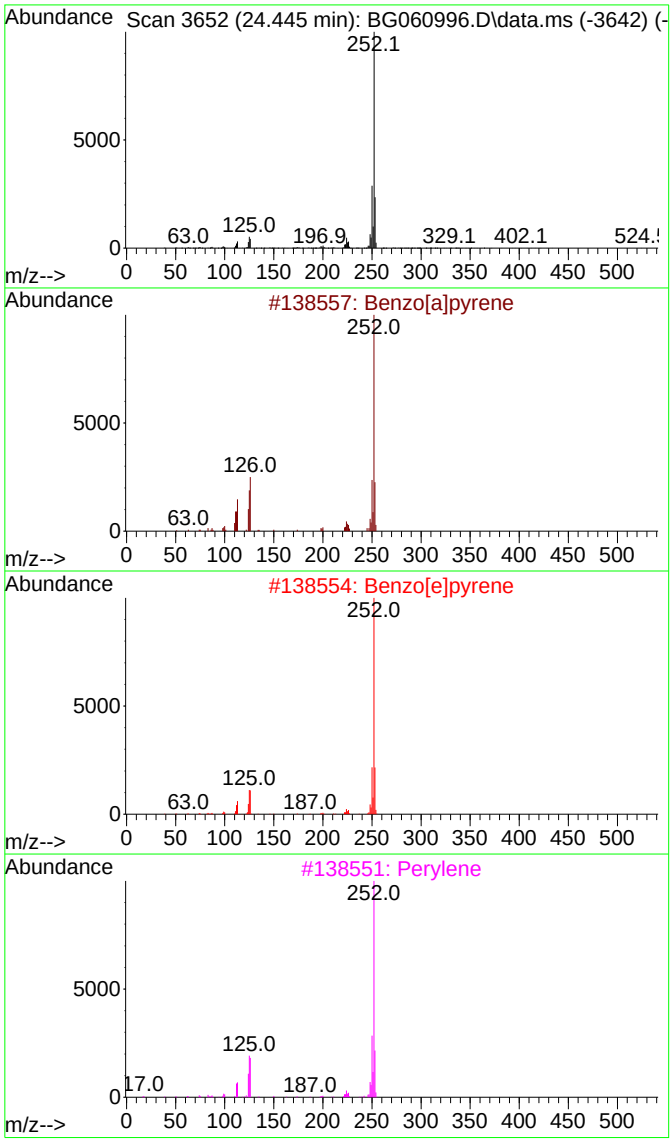
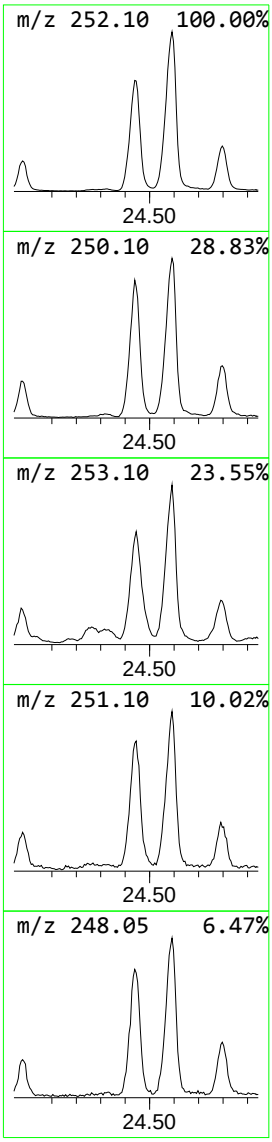
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.445	89.41 ng	2560150	Perylene-d12	24.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060996.D
Acq On : 22 Apr 2024 18:06
Operator : MA/JU
Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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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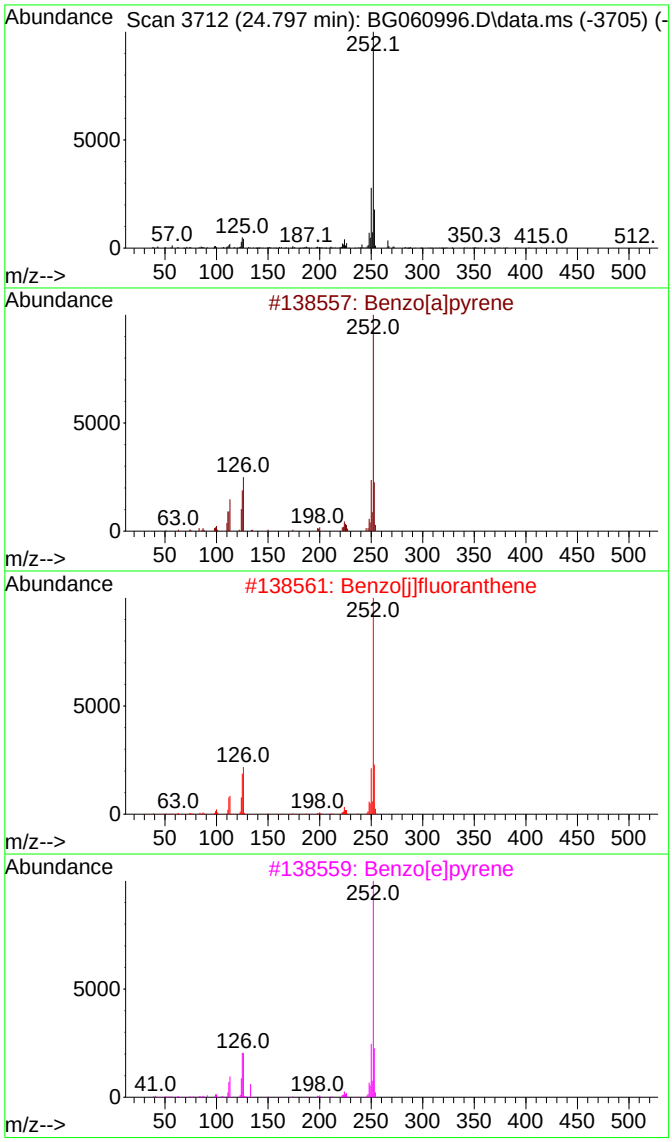
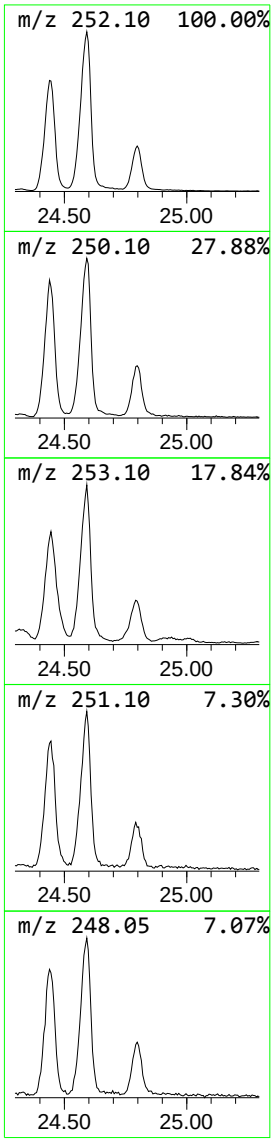
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.797	37.88 ng	1084700	Perylene-d12	24.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	89
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76
3	Benzo[e]pyrene	252	C20H12	000192-97-2	76
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	68
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060996.D
Acq On : 22 Apr 2024 18:06
Operator : MA/JU
Sample : P2126-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1C

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
Naphthalene, 2,...	13.886	5.2	ng	101022	3	14.568	391243	20.0
Dibenzofuran, 4...	15.914	5.8	ng	114345	3	14.568	391243	20.0
9H-Fluorene, 2-...	16.624	6.3	ng	136013	4	17.324	431486	20.0
9H-Fluoren-9-one	16.971	15.2	ng	328754	4	17.324	431486	20.0
Naphtho[2,3-b]t...	17.136	21.7	ng	469129	4	17.324	431486	20.0
Dibenzo[a,e]cyc...	17.841	6.1	ng	131120	4	17.324	431486	20.0
Dibenzothiophen...	17.899	4.6	ng	100020	4	17.324	431486	20.0
Phenanthrene, 2...	18.199	24.1	ng	519667	4	17.324	431486	20.0
Phenanthrene, 1...	18.246	33.6	ng	724743	4	17.324	431486	20.0
Anthracene, 2-m...	18.322	8.6	ng	185513	4	17.324	431486	20.0
4H-Cyclopenta[d...	18.393	47.7	ng	1029260	4	17.324	431486	20.0
1H-Cyclopropa[l...	18.428	9.8	ng	210922	4	17.324	431486	20.0
Naphthalene, 2-...	18.698	20.3	ng	438274	4	17.324	431486	20.0
9,10-Anthracene...	18.740	24.2	ng	522256	4	17.324	431486	20.0
Naphthalic anhy...	19.122	11.2	ng	241882	4	17.324	431486	20.0
Cyclopenta(def)...	19.257	13.3	ng	285773	4	17.324	431486	20.0
1,1'-Binaphthal...	23.980	18.4	ng	528233	6	24.721	572703	20.0
Dinaphtho[1,2-b...	24.180	5.0	ng	142829	6	24.721	572703	20.0
Benzo[e]pyrene	24.445	89.4	ng	2560150	6	24.721	572703	20.0
Benzo[j]fluoran...	24.797	37.9	ng	1084700	6	24.721	572703	20.0