LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056593.D
Acq On : 8 Feb 2023 22:45
Operator : CG/JU
Sample : O1481-15 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JPP-48-020723

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-BG012723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056593.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.300	336	342	350	rVB	47675	73716	1.89%	0.174%
2	5.793	419	426	437	rBV	189346	318981	8.17%	0.754%
3	7.421	696	703	711	rBV	189278	338704	8.68%	0.801%
4	8.267	841	847	856	rBB	127379	214243	5.49%	0.507%
5	9.448	1040	1048	1060	rBB	119853	214896	5.51%	0.508%
6	11.099	1321	1329	1336	rBV	170253	307998	7.89%	0.728%
7	13.514	1733	1740	1748	rBV	477652	712668	18.26%	1.685%
8	14.213	1852	1859	1864	rBV2	28045	51666	1.32%	0.122%
9	14.894	1969	1975	1980	rVV	281299	449490	11.52%	1.063%
10	14.953	1980	1985	1991	rVB	110061	170946	4.38%	0.404%
11	15.194	2017	2026	2033	rVV2	20087	43203	1.11%	0.102%
12	15.282	2033	2041	2048	rVV2	53157	95228	2.44%	0.225%
13	15.664	2098	2106	2110	rBV3	20141	46706	1.20%	0.110%
14	15.934	2145	2152	2159	rVB	91997	162573	4.17%	0.384%
15	16.022	2159	2167	2170	rBV5	23515	44109	1.13%	0.104%
16	16.093	2175	2179	2183	rVB2	31164	46359	1.19%	0.110%
17	16.228	2197	2202	2209	rVB2	79530	135891	3.48%	0.321%
18	16.375	2221	2227	2234	rBV	299887	481438	12.34%	1.138%
19	16.592	2261	2264	2273	rVB5	20117	44340	1.14%	0.105%
20	16.933	2310	2322	2326	rBV3	50289	129893	3.33%	0.307%
21	16.980	2326	2330	2335	rVB3	38280	54728	1.40%	0.129%
22	17.080	2343	2347	2352	rVB4	26906	46961	1.20%	0.111%
23	17.150	2352	2359	2363	rBV4	41843	103111	2.64%	0.244%
24	17.197	2363	2367	2374	rVB3	45989	78814	2.02%	0.186%
25	17.286	2374	2382	2388	rBV	62319	103405	2.65%	0.244%
26	17.356	2388	2394	2396	rBV4	36116	67206	1.72%	0.159%
27	17.450	2405	2410	2420	rVB	83465	141605	3.63%	0.335%
28	17.632	2434	2441	2444	rBV	362001	566035	14.50%	1.338%
29	17.679	2444	2449	2455	rVB	1420149	2124997	54.45%	5.024%
30	17.767	2455	2464	2469	rBV	322765	499034	12.79%	1.180%
31	18.032	2501	2509	2514	rBV2	87111	189166	4.85%	0.447%
32	18.138	2523	2527	2531	rBV	53469	74008	1.90%	0.175%
33	18.208	2535	2539	2546	rVB	57511	101278	2.59%	0.239%
34	18.349	2559	2563	2570	rVB2	32123	64213	1.65%	0.152%
35	18.502	2583	2589	2593	rVV	327912	490222	12.56%	1.159%
36	18.549	2593	2597	2603	rVB	408789	592095	15.17%	1.400%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056593.D
Acq On : 8 Feb 2023 22:45
Operator : CG/JU
Sample : 01481-15 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

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-BG012723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.631	2604	2611	2615	rBV	174350	267322	6.85%	0.632%
38	18.702	2615	2623	2626	rVV2	374276	850056	21.78%	2.010%
39	18.731	2626	2628	2635	rVB	245286	291417	7.47%	0.689%
40	18.890	2650	2655	2659	rBV4	31876	56670	1.45%	0.134%
41	18.984	2666	2671	2676	rBV	212795	325141	8.33%	0.769%
42	19.042	2676	2681	2688	rVB	146117	231885	5.94%	0.548%
43	19.113	2688	2693	2697	rBV	58736	82518	2.11%	0.195%
44	19.230	2705	2713	2717	rBV2	122162	222934	5.71%	0.527%
45	19.283	2718	2722	2725	rBV	76704	92542	2.37%	0.219%
46	19.318	2725	2728	2732	rVB	77549	100915	2.59%	0.239%
47	19.401	2736	2742	2746	rBV	277882	454451	11.64%	1.074%
48	19.465	2747	2753	2756	rBV4	78356	154723	3.96%	0.366%
49	19.554	2761	2768	2779	rVV4	175520	421490	10.80%	0.997%
50	19.677	2780	2789	2793	rVV	2653173	3902863	100.00%	9.228%
51	19.712	2793	2795	2799	rVV2	67711	97842	2.51%	0.231%
52	19.759	2799	2803	2808	rVB2	92334	137206	3.52%	0.324%
53	19.912	2824	2829	2838	rVB3	110330	299487	7.67%	0.708%
54	20.000	2838	2844	2846	rBV2	456132	824814	21.13%	1.950%
55	20.035	2846	2850	2855	rVV	2567018	3631007	93.03%	8.585%
56	20.094	2855	2860	2865	rVB2	188604	301539	7.73%	0.713%
57	20.206	2874	2879	2884	rVB2	863586	1131575	28.99%	2.675%
58	20.270	2884	2890	2895	rVB2	98174	222700	5.71%	0.527%
59	20.347	2896	2903	2909	rBV2	244876	569466	14.59%	1.346%
60	20.482	2920	2926	2927	rBV3	166183	253751	6.50%	0.600%
61	20.511	2928	2931	2939	rVB	397901	571070	14.63%	1.350%
62	20.611	2943	2948	2951	rVV2	221424	304535	7.80%	0.720%
63	20.670	2951	2958	2962	rVV2	295817	566785	14.52%	1.340%
64	20.705	2962	2964	2968	rVV3	107403	133189	3.41%	0.315%
65	20.746	2968	2971	2977	rVB3	70530	117261	3.00%	0.277%
66	20.811	2978	2982	2986	rBV	218582	322481	8.26%	0.762%
67	20.858	2987	2990	3001	rVB	214742	380942	9.76%	0.901%
68	20.946	3002	3005	3007	rBV3	41497	55940	1.43%	0.132%
69	21.293	3060	3064	3071	rVB	240143	384117	9.84%	0.908%
70	21.487	3089	3097	3100	rBV3	226413	482542	12.36%	1.141%
71	21.528	3101	3104	3109	rVV	226647	337519	8.65%	0.798%
72	21.586	3109	3114	3118	rVV2	247511	452854	11.60%	1.071%
73	21.645	3120	3124	3132	rVB	231841	431838	11.06%	1.021%
74	21.910	3159	3169	3176	rBV2	1387271	3286936	84.22%	7.771%
75	21.980	3176	3181	3192	rVB	1187896	2177812	55.80%	5.149%
76	22.139	3203	3208	3216	rBV	217154	375373	9.62%	0.888%

LSC Area Percent Report

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Operator : CG/JU
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Misc :
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Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

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-BG012723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	22.356	3241	3245	3251	rVB2	137769	248989	6.38%	0.589%
78	22.691	3298	3302	3308	rVB	234383	433581	11.11%	1.025%
79	22.767	3311	3315	3322	rVB	138450	253551	6.50%	0.599%
80	22.985	3348	3352	3357	rBV2	91183	186349	4.77%	0.441%
81	23.132	3372	3377	3383	rVB2	105472	221216	5.67%	0.523%
82	24.277	3562	3572	3579	rBV	748259	2666430	68.32%	6.304%
83	24.536	3611	3616	3626	rVB	149521	354835	9.09%	0.839%
84	25.047	3695	3703	3718	rVB	433691	1359021	34.82%	3.213%
85	25.206	3721	3730	3743	rVB	661768	1885859	48.32%	4.459%

Sum of corrected areas: 42295265

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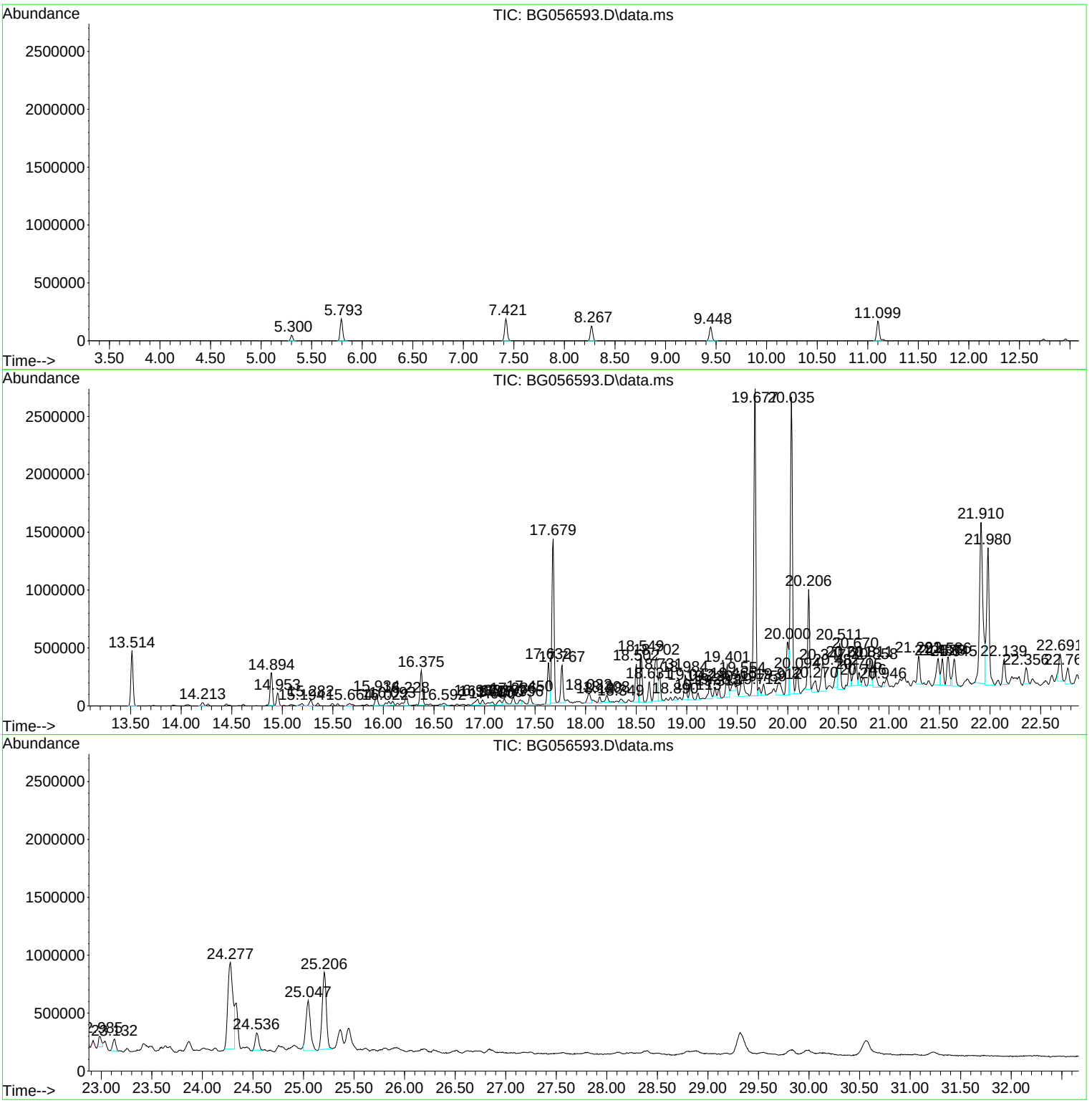
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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\BG020823\
Data File : BG056593.D
Acq On : 8 Feb 2023 22:45
Operator : CG/JU
Sample : 01481-15 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

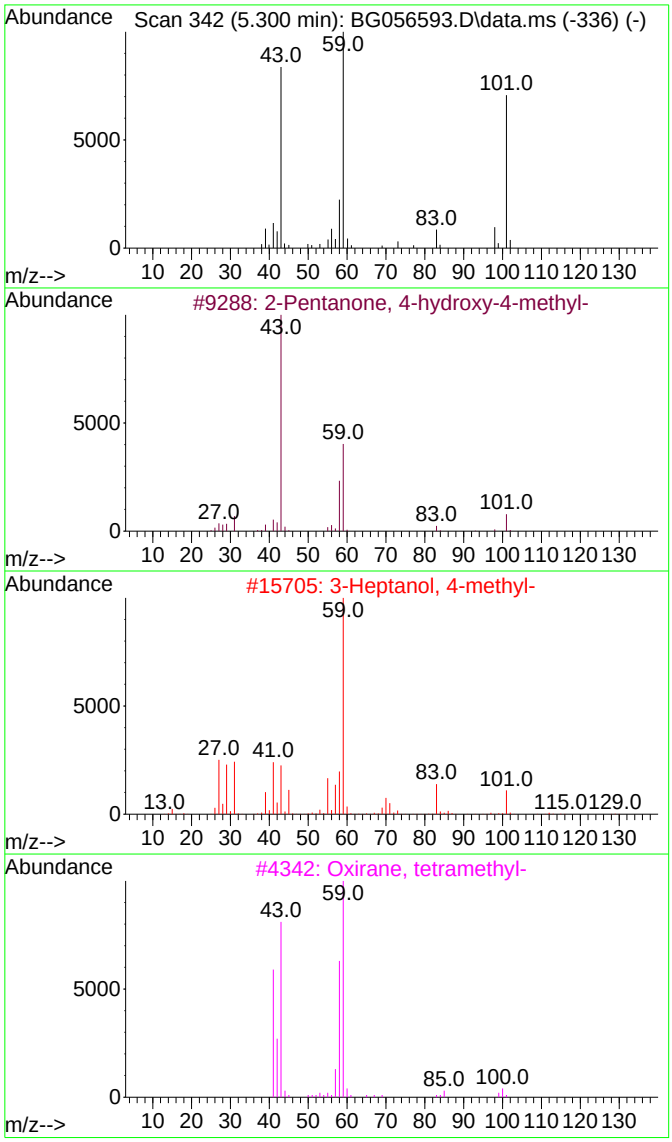
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

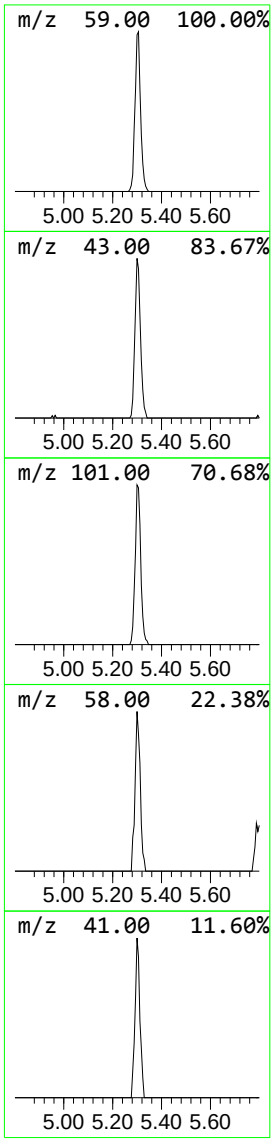
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.300	6.88 ng	73716	1,4-Dichlorobenzene-d4	8.267

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	38
3	Oxirane, tetramethyl-	100	C6H12O	005076-20-0	37
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	25
5	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056593.D
Acq On : 8 Feb 2023 22:45
Operator : CG/JU
Sample : 01481-15 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

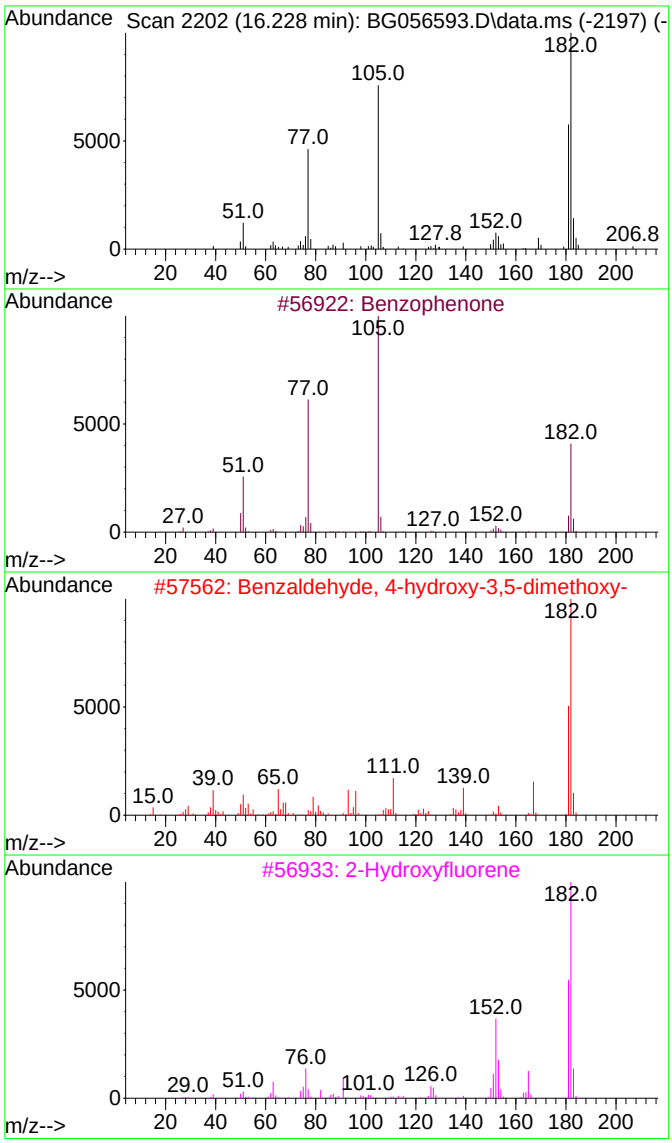
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

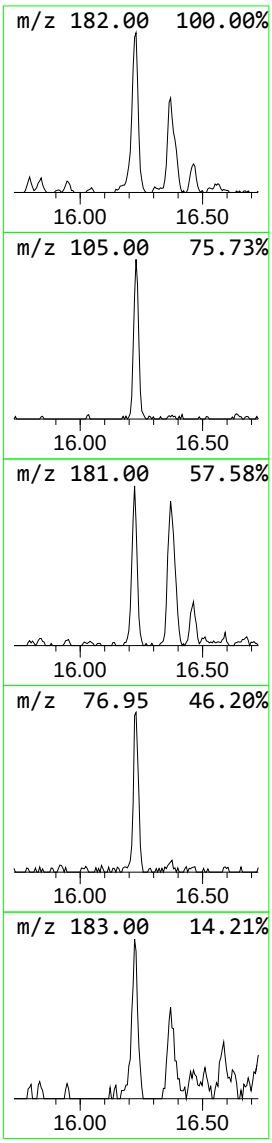
****

Peak Number 2 Benzophenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.228	6.05 ng	135891	Acenaphthene-d10	14.894

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	81
2	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	52
3	2-Hydroxyfluorene	182	C13H10O	002443-58-5	50
4	4(1H)-Quinazolinone, 2,3,5,6,7,8...	182	C8H10N2OS	016064-21-4	47
5	9-Borabicyclo[3.3.1]nonane, 9-et...	182	C10H19BS	1000155-58-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056593.D
Acq On : 8 Feb 2023 22:45
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

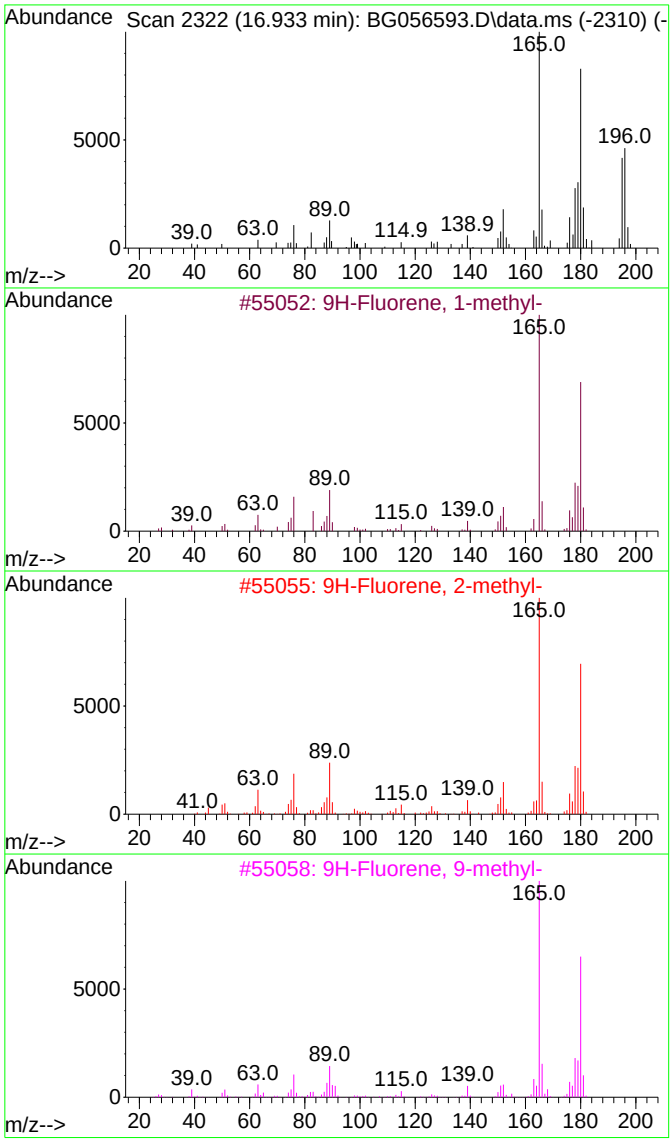
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

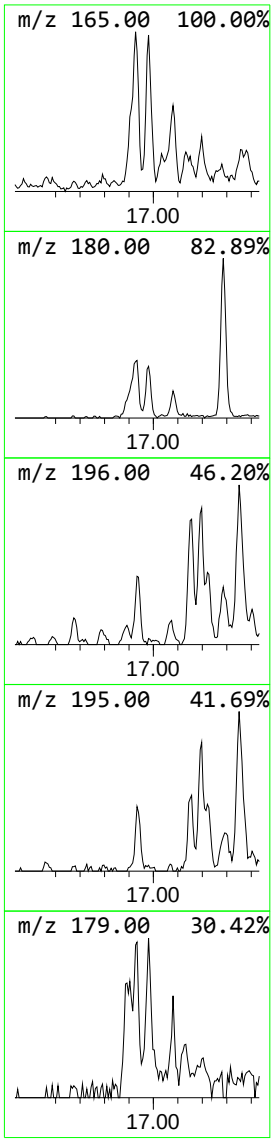
****

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.933	4.59 ng	129893	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	55
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056593.D
Acq On : 8 Feb 2023 22:45
Operator : CG/JU
Sample : 01481-15 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

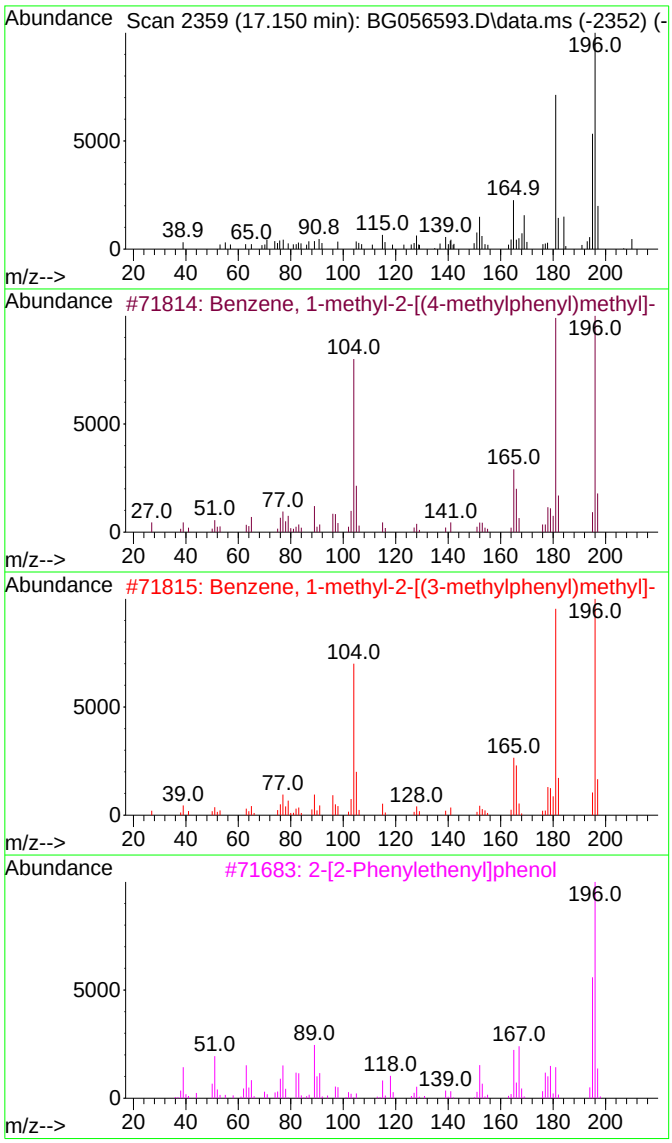
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

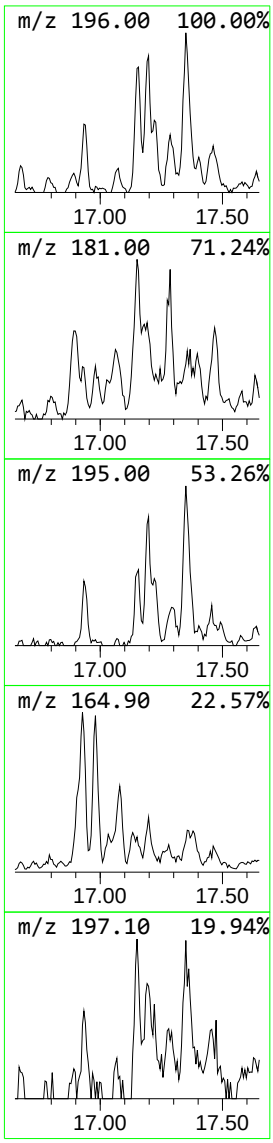
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-methyl-2-[(4-met... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.150	3.64 ng	103111	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-[(4-methylph...	196	C15H16	021895-17-0	52
2	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	52
3	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	52
4	4-Methoxyphenol, TMS derivative	196	C10H16O2Si	006689-38-9	49
5	phenol, 2-[(ethylamino)methyl]-4...	196	C9H12N2O3	1000400-09-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056593.D
Acq On : 8 Feb 2023 22:45
Operator : CG/JU
Sample : 01481-15 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

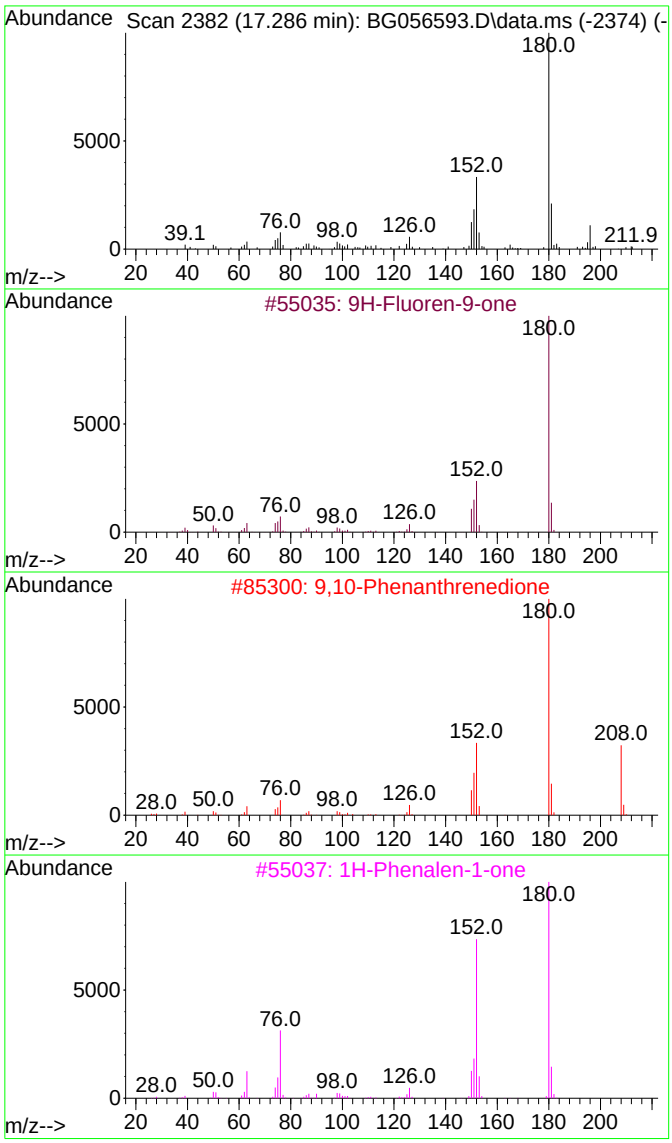
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

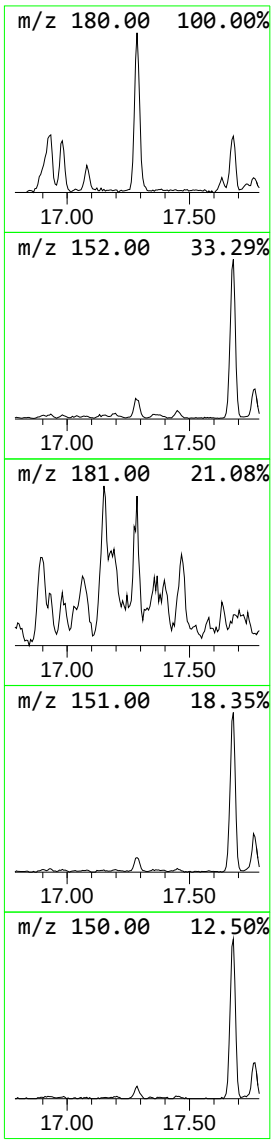
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.286	3.65 ng	103405	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	80
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	76
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	64
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056593.D
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Sample : 01481-15 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

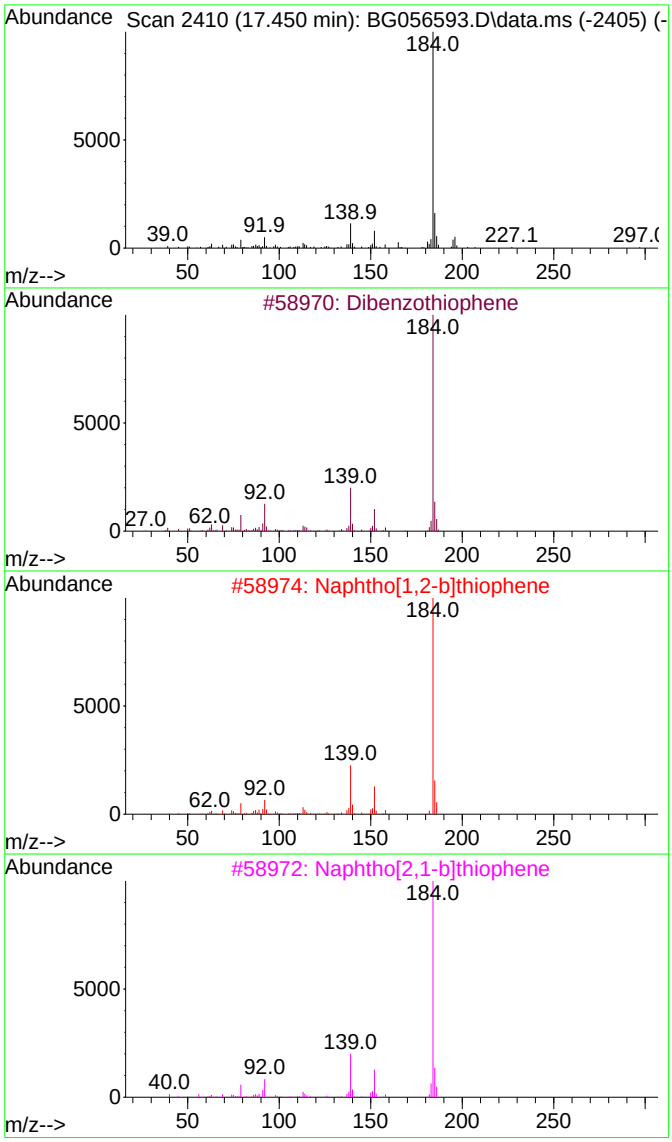
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

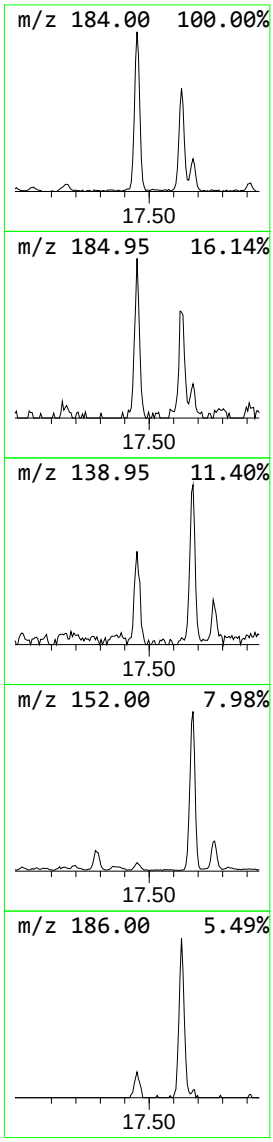
****

Peak Number 6 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.450	5.00 ng	141605	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	87
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83





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Acq On : 8 Feb 2023 22:45
Operator : CG/JU
Sample : 01481-15 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-48-020723

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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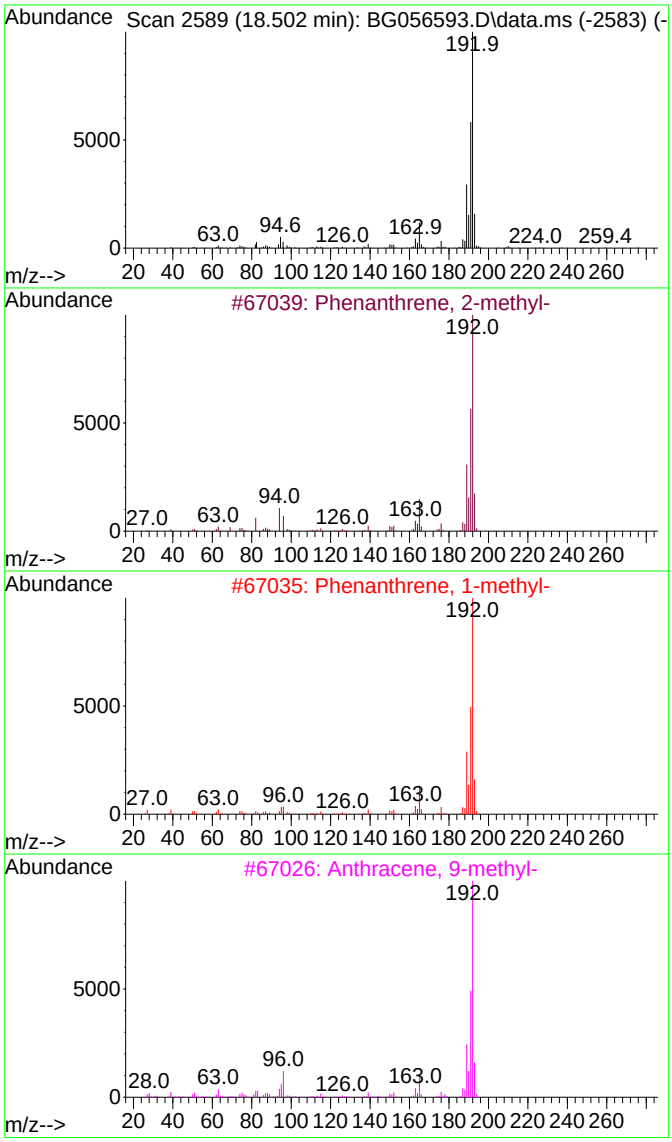
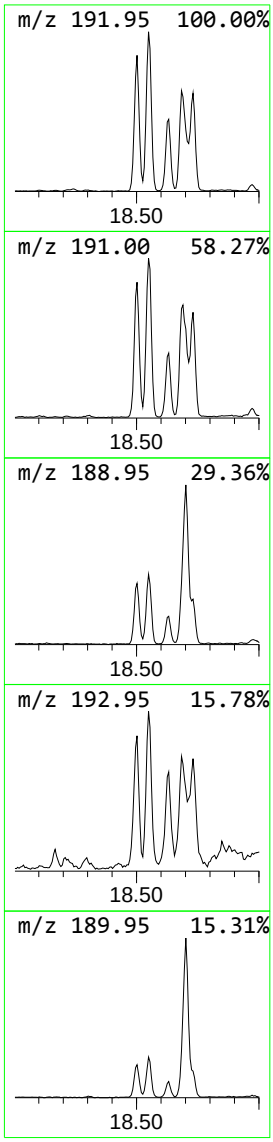
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.502	17.32 ng	490222	Phenanthrene-d10	17.632

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





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ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-48-020723

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

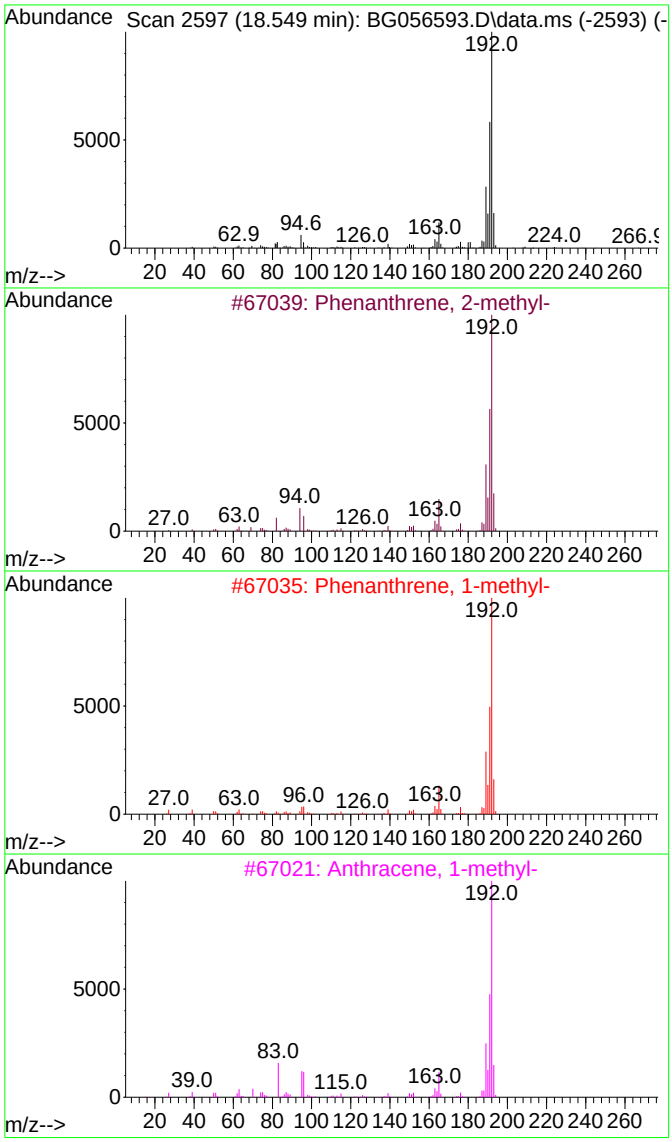
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

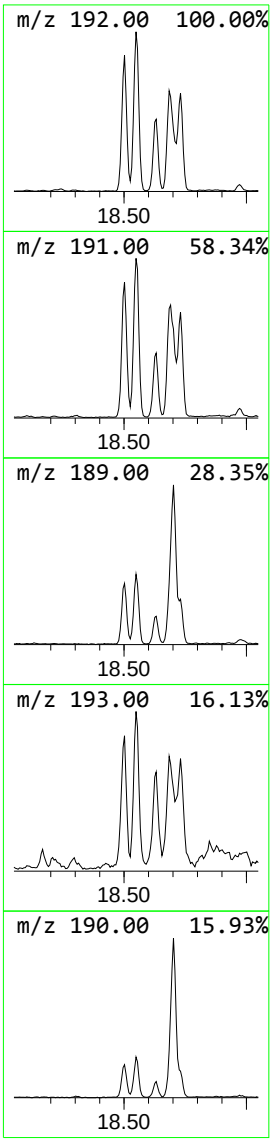
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.549	20.92 ng	592095	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId :
JPP-48-020723

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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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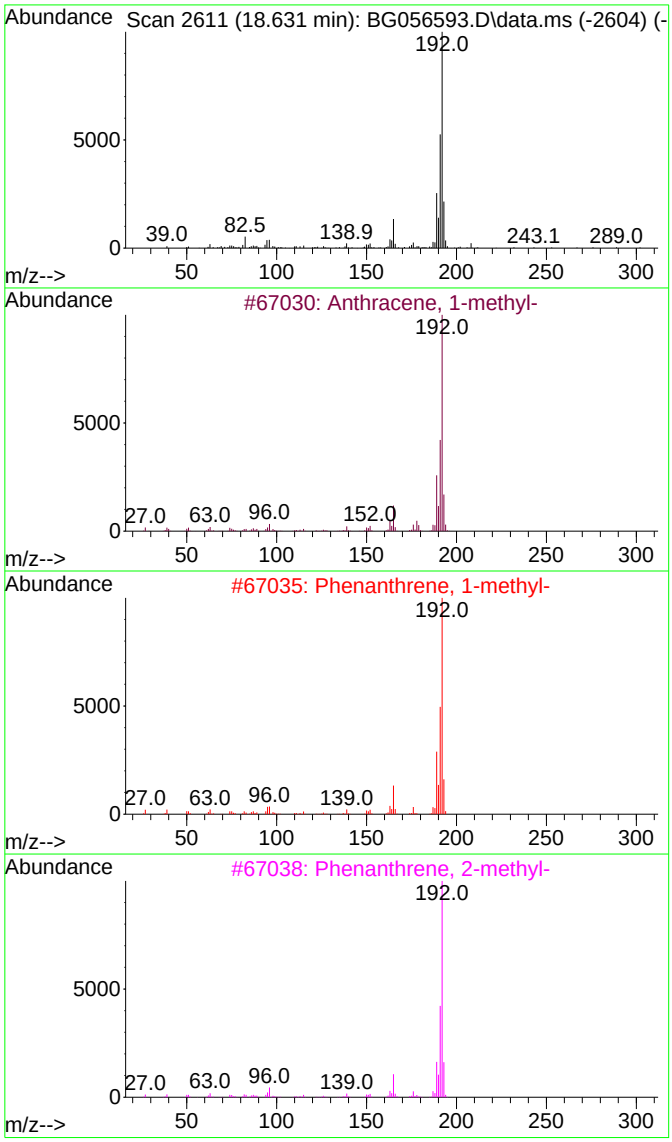
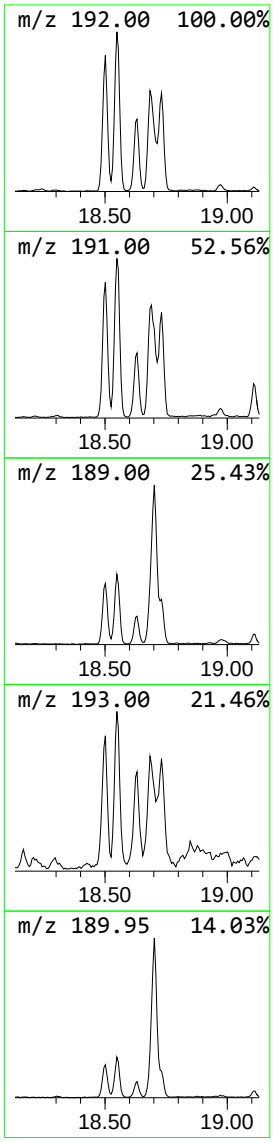
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.631	9.45 ng	267322	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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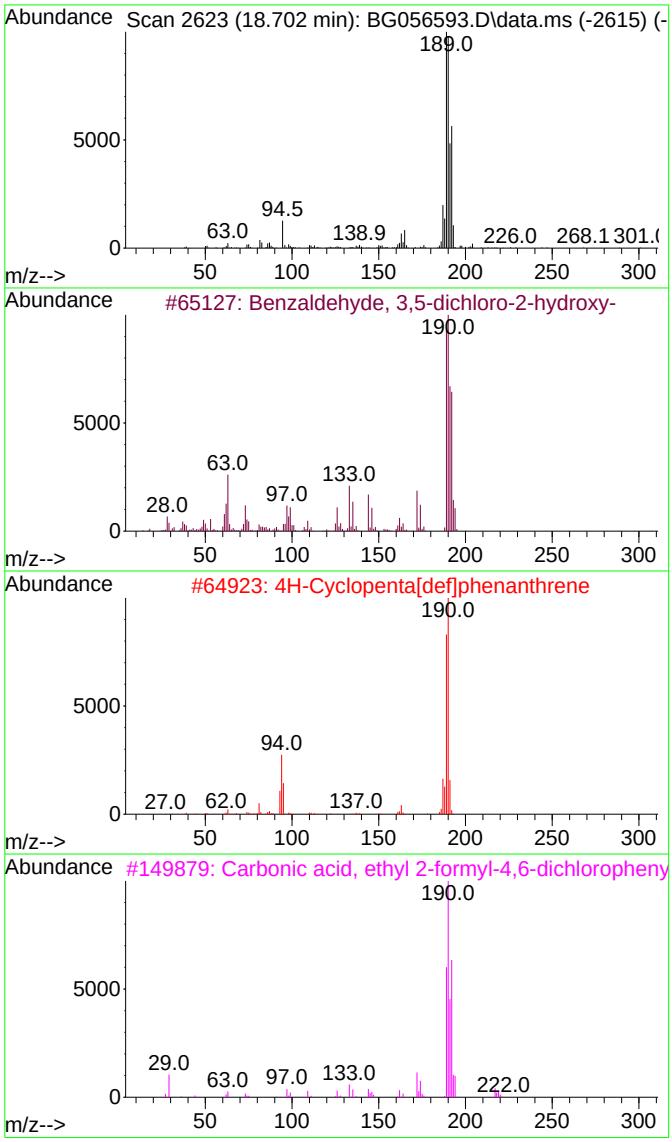
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

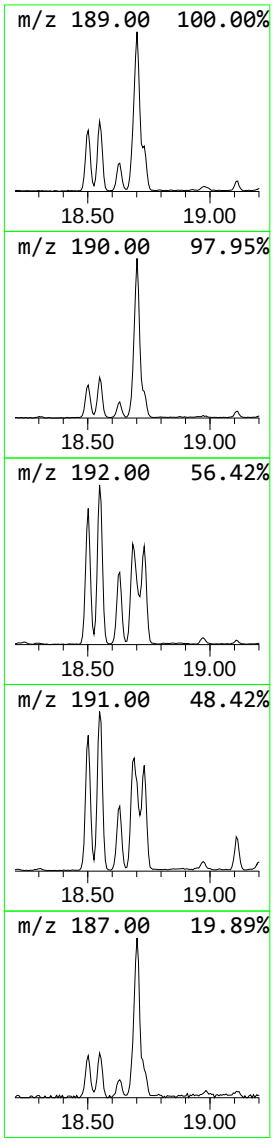
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.702	30.04 ng	850056	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
4	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	43
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





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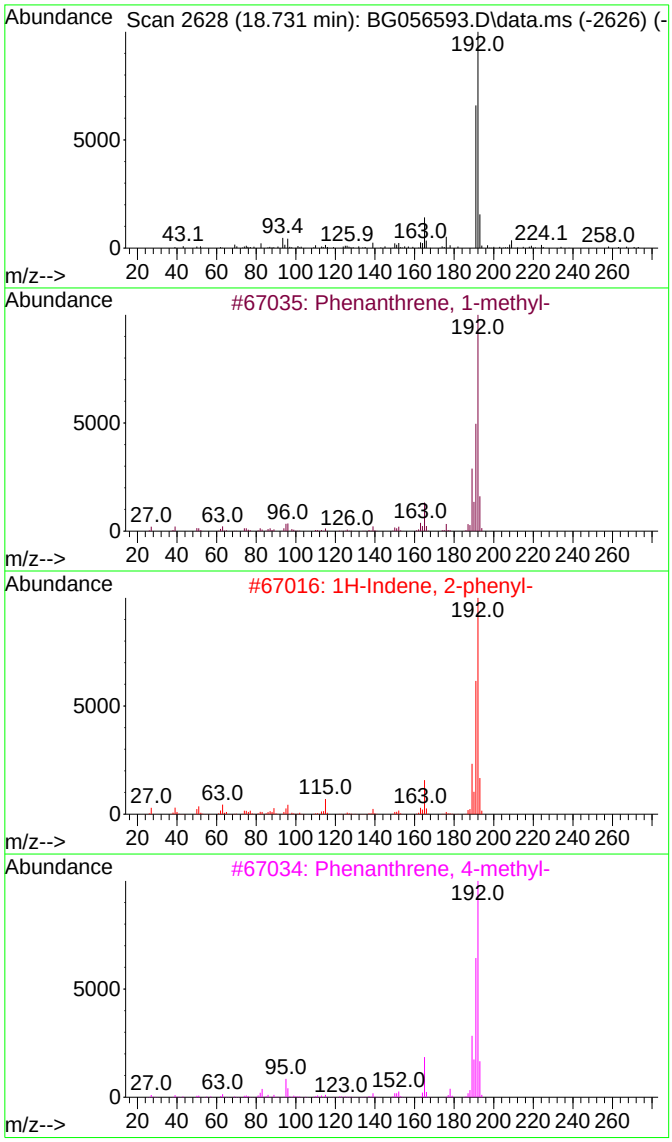
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

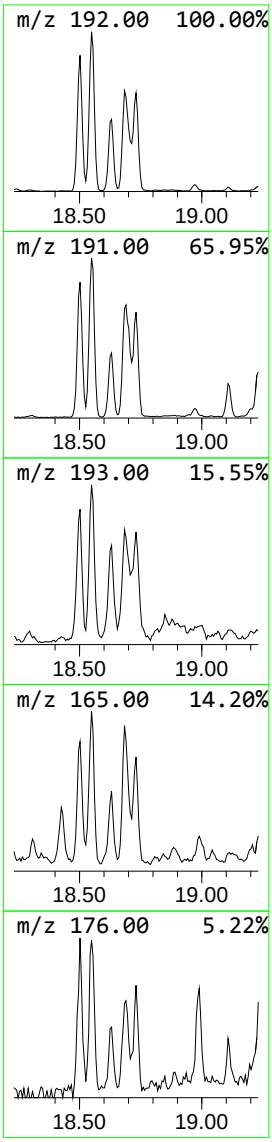
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Indene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.731	10.30 ng	291417	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87





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

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

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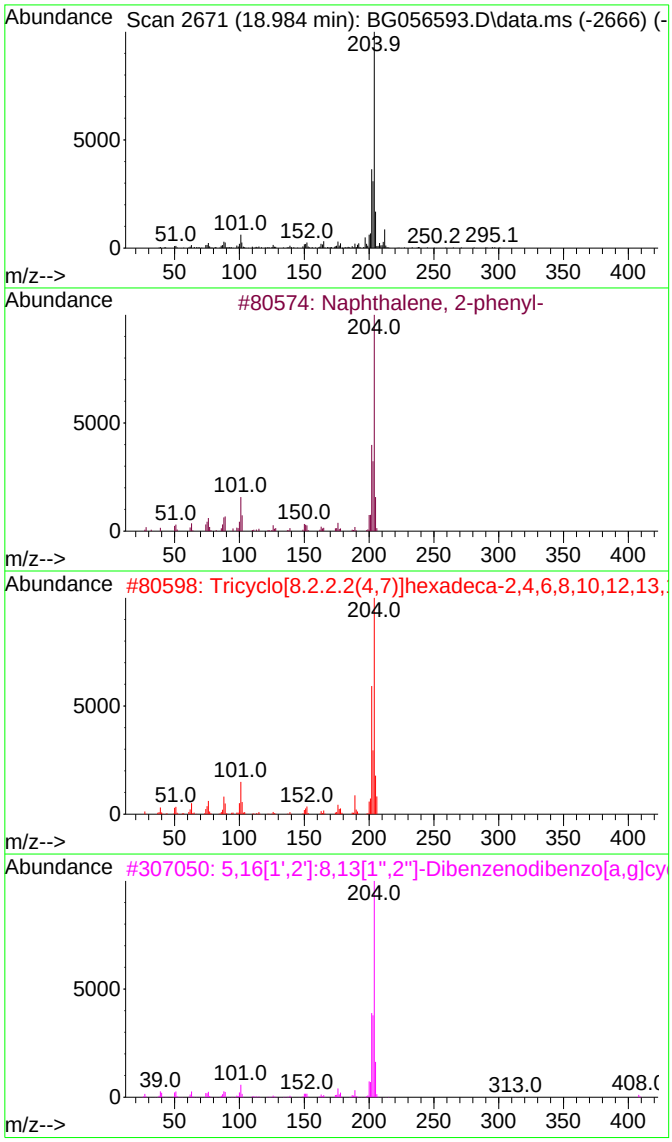
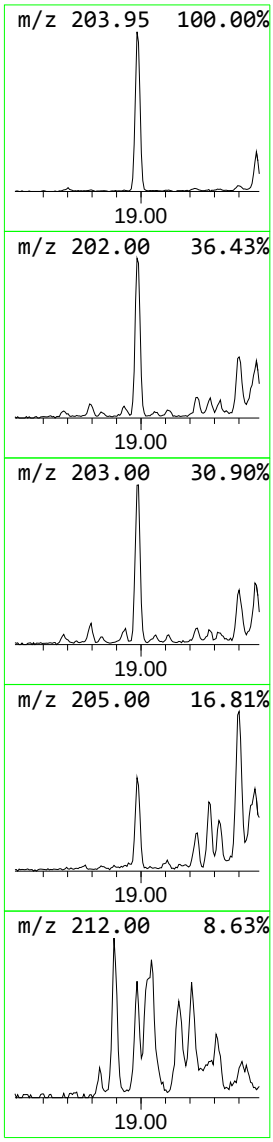
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.984	11.49 ng	325141	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	50





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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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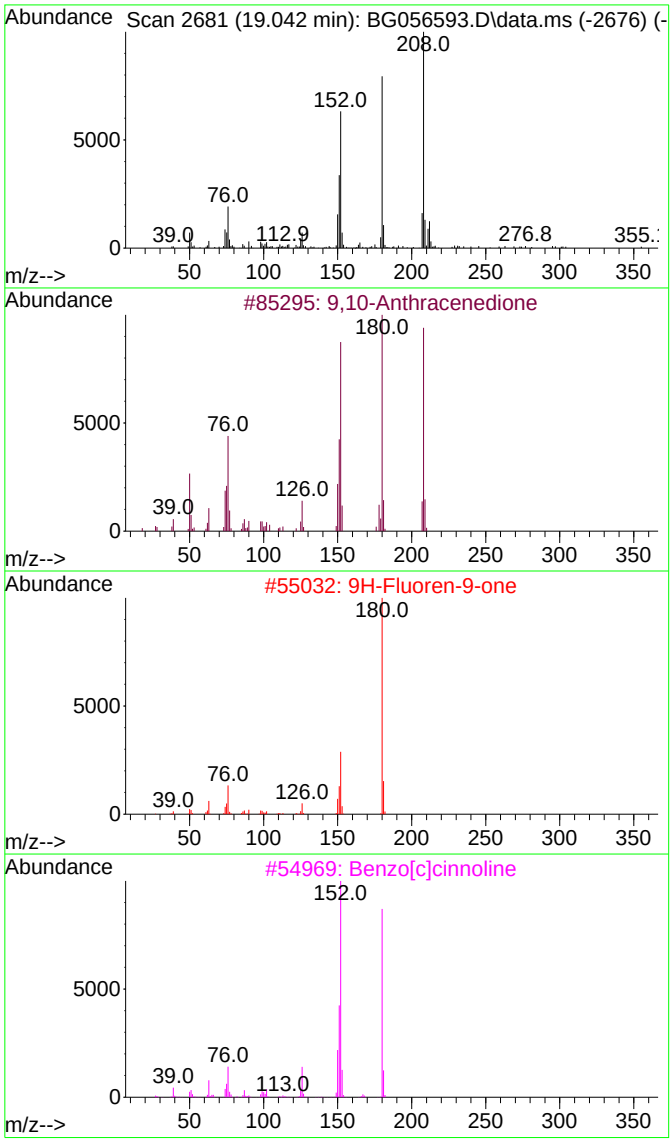
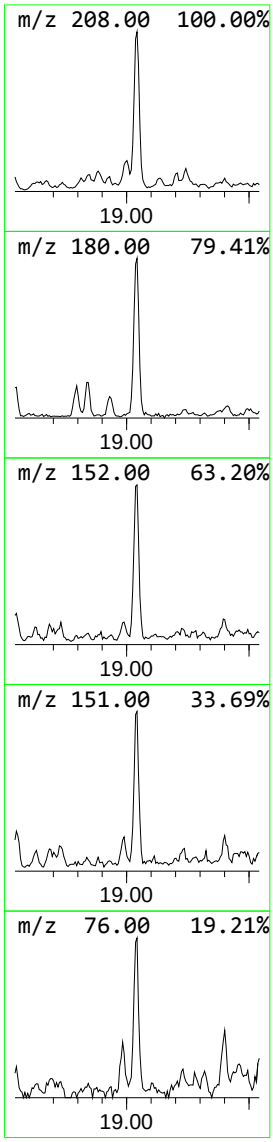
Peak Number 13 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.042	8.19 ng	231885	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	47





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Misc :
ALS Vial : 16 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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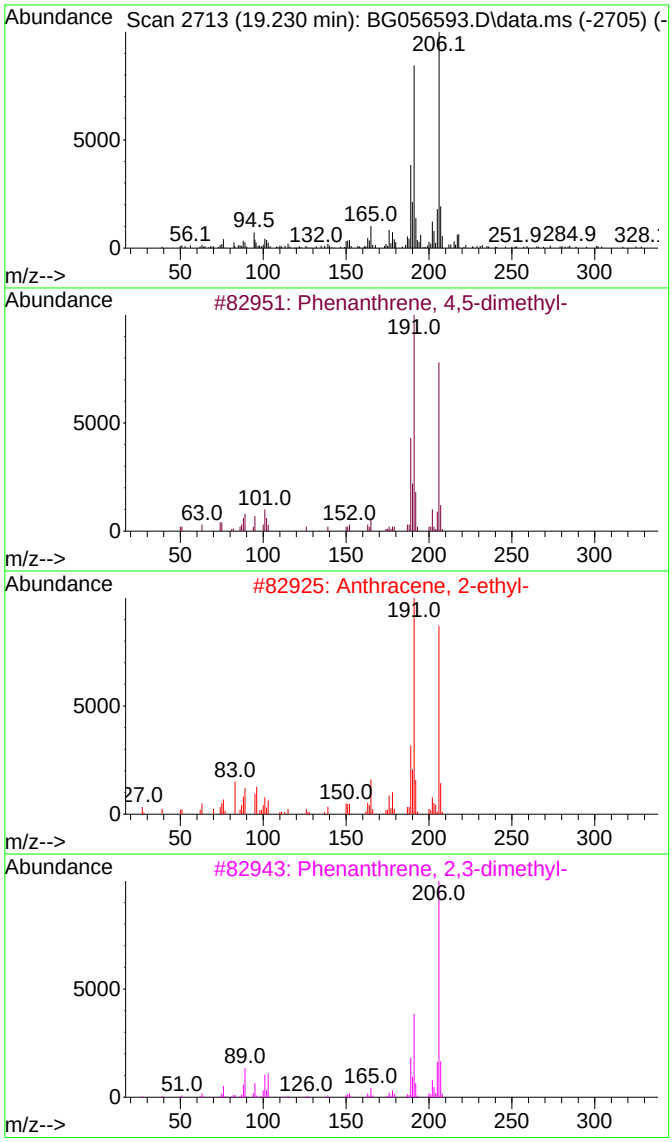
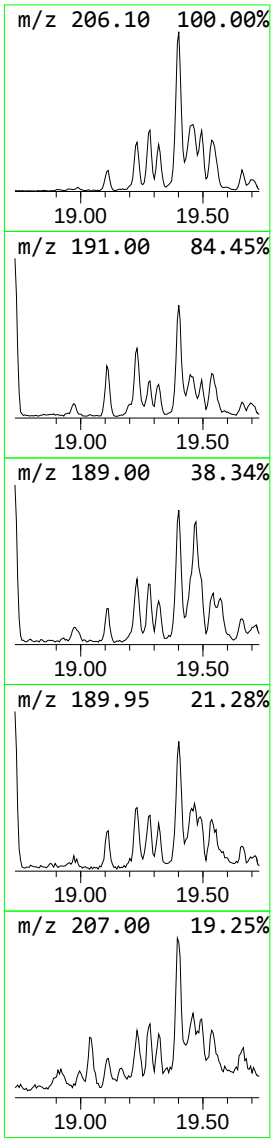
Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.230	7.88 ng	222934	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87





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ALS Vial : 16 Sample Multiplier: 1

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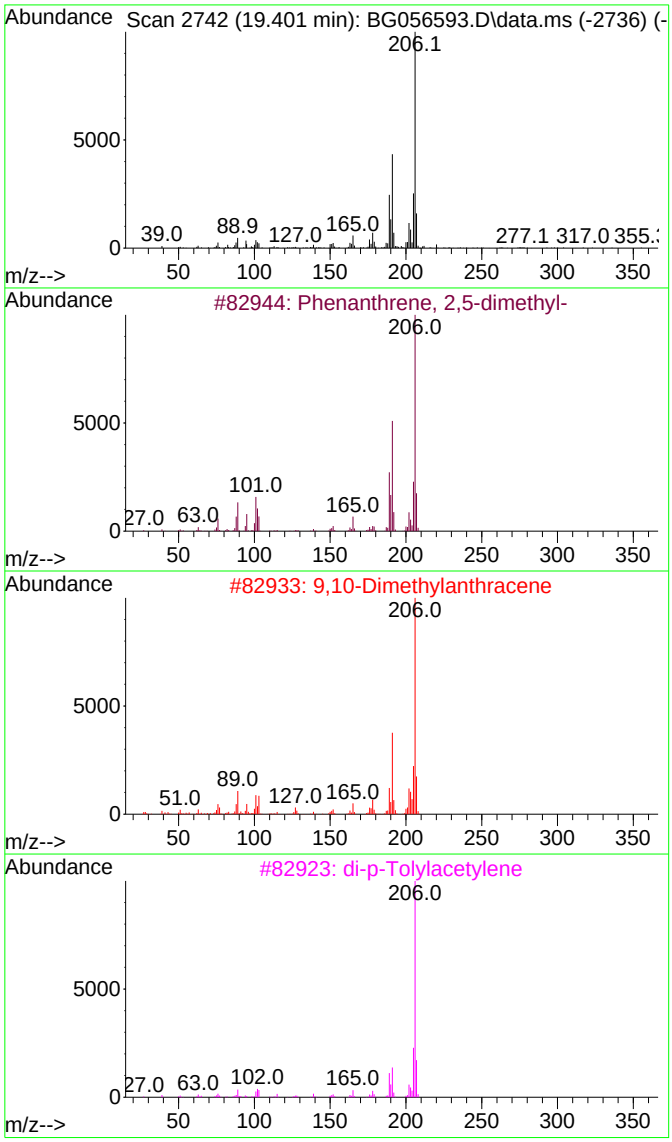
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

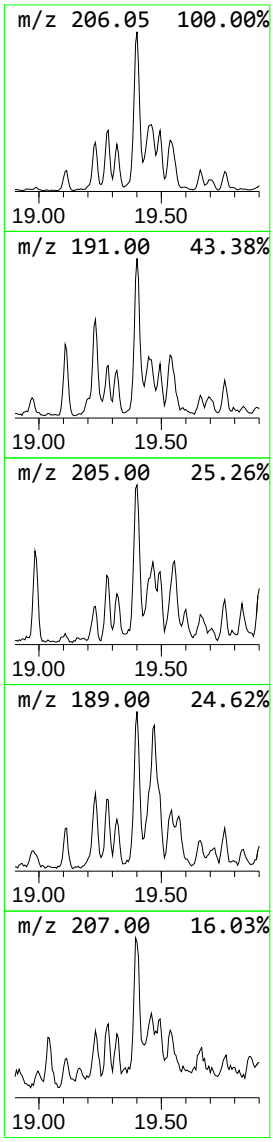
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.401	16.06 ng	454451	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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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
TIC Integration Parameters: LSCINT.P

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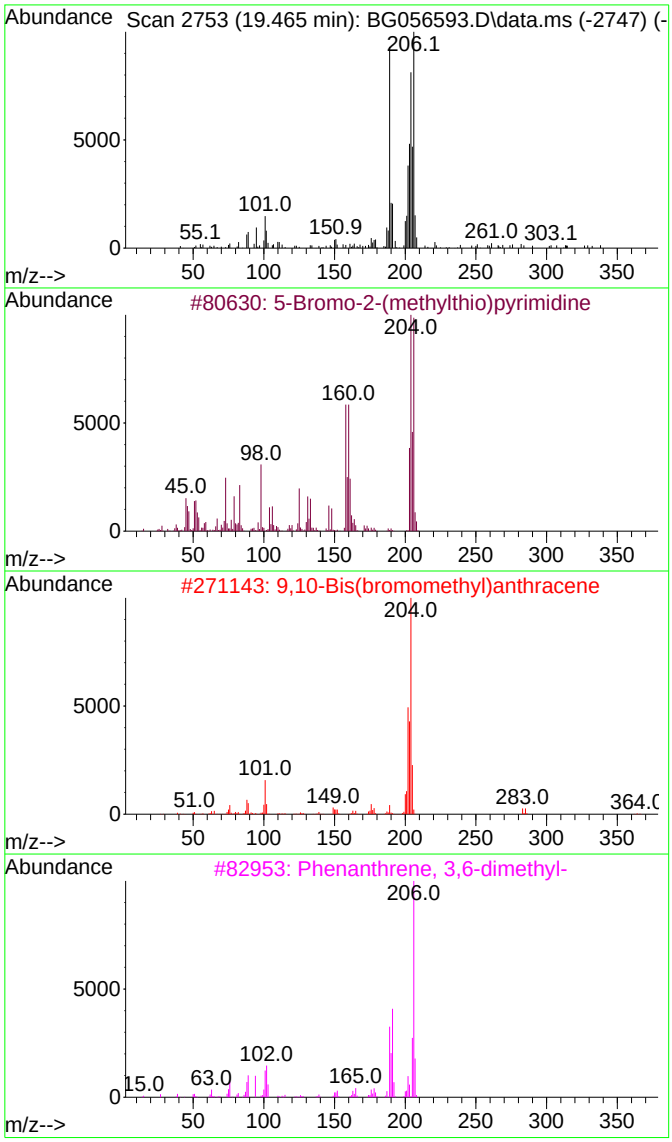
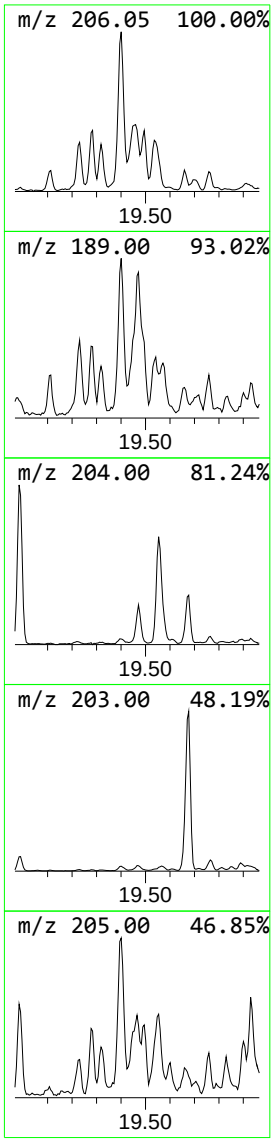
Peak Number 16 unknown19.465 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.465	5.47 ng	154723	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-2-(methylthio)pyrimidine	204	C5H5BrN2S	014001-67-3	43
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	30
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	25
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	25
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	25





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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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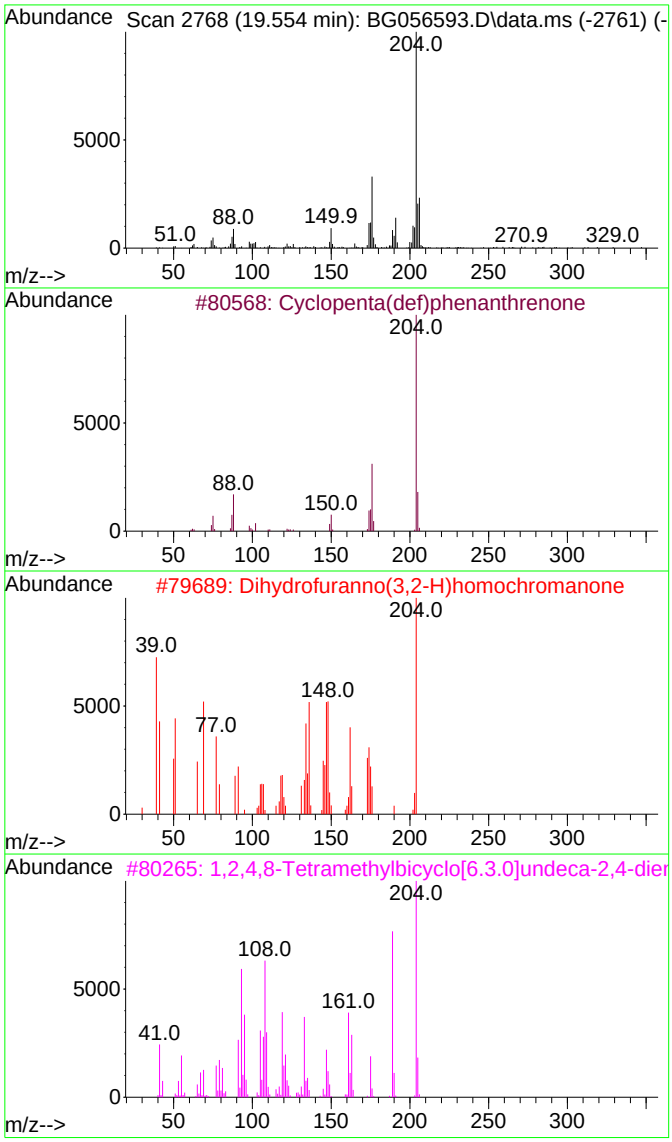
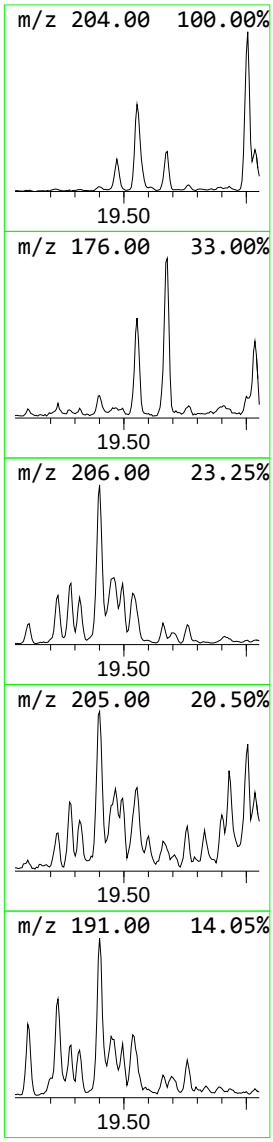
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.554	14.89 ng	421490	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	49
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056593.D
Acq On : 8 Feb 2023 22:45
Operator : CG/JU
Sample : 01481-15 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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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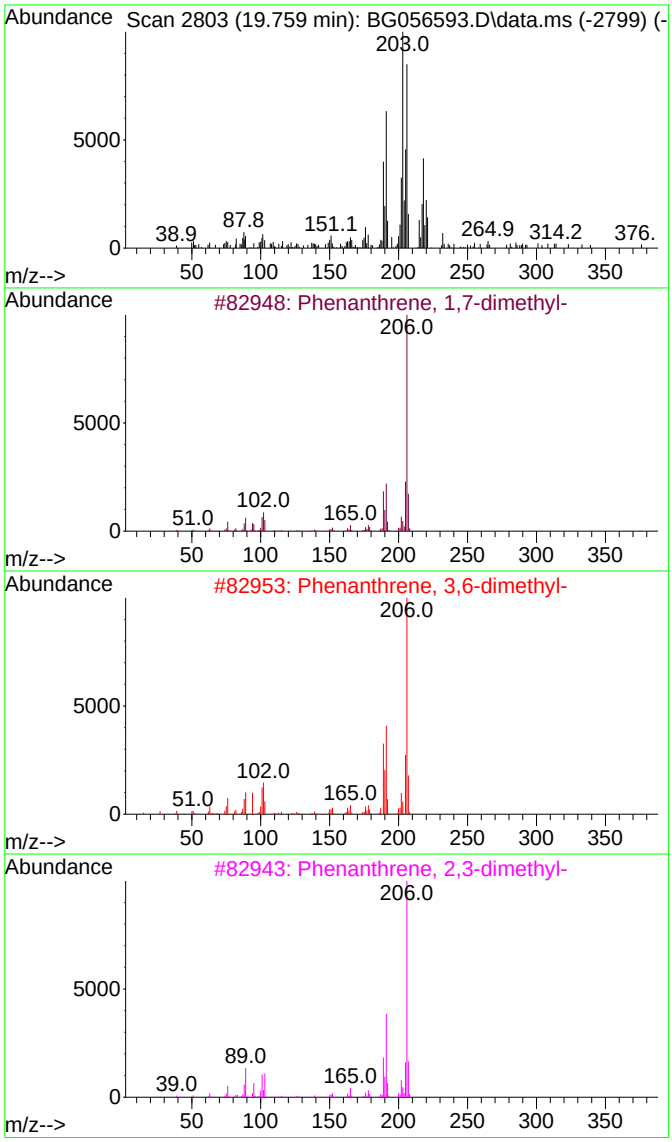
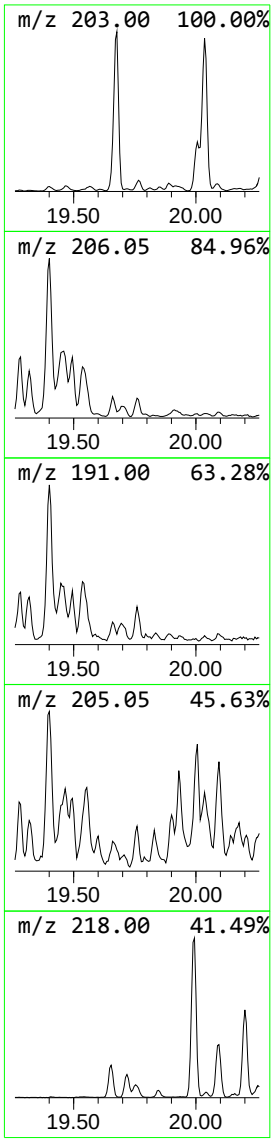
Peak Number 18 unknown19.759 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.759	4.85 ng	137206	Phenanthrene-d10	17.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	46
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	41
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056593.D
Acq On : 8 Feb 2023 22:45
Operator : CG/JU
Sample : 01481-15 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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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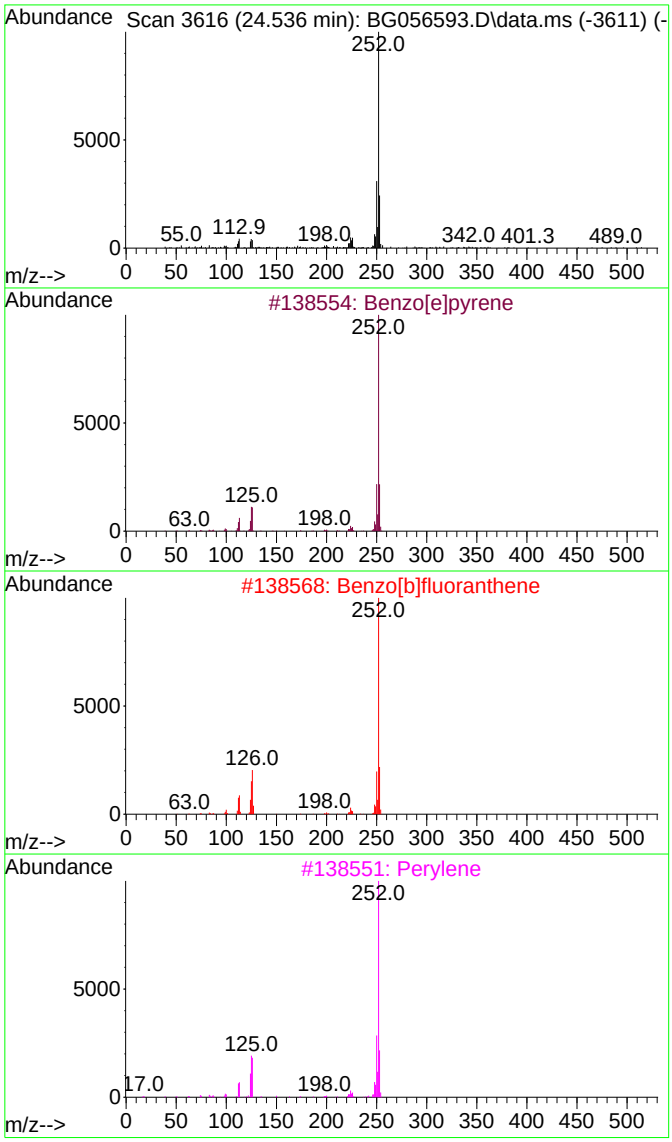
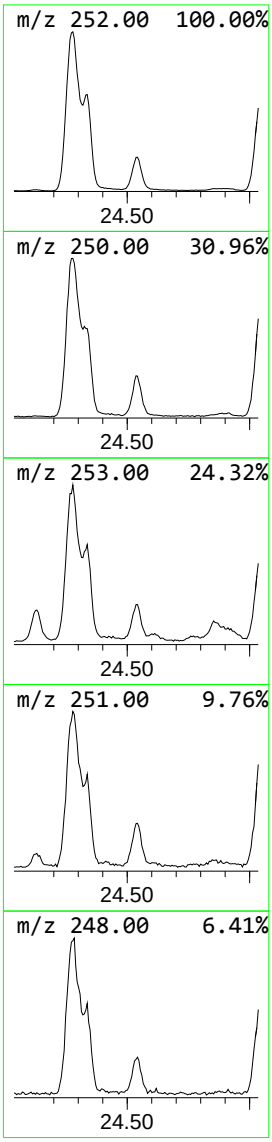
Peak Number 19 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.536	3.76 ng	354835	Perylene-d12	25.364

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
3	Perylene	252	C20H12	000198-55-0	76
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
5	Benzo[a]pyrene	252	C20H12	000050-32-8	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056593.D
Acq On : 8 Feb 2023 22:45
Operator : CG/JU
Sample : 01481-15 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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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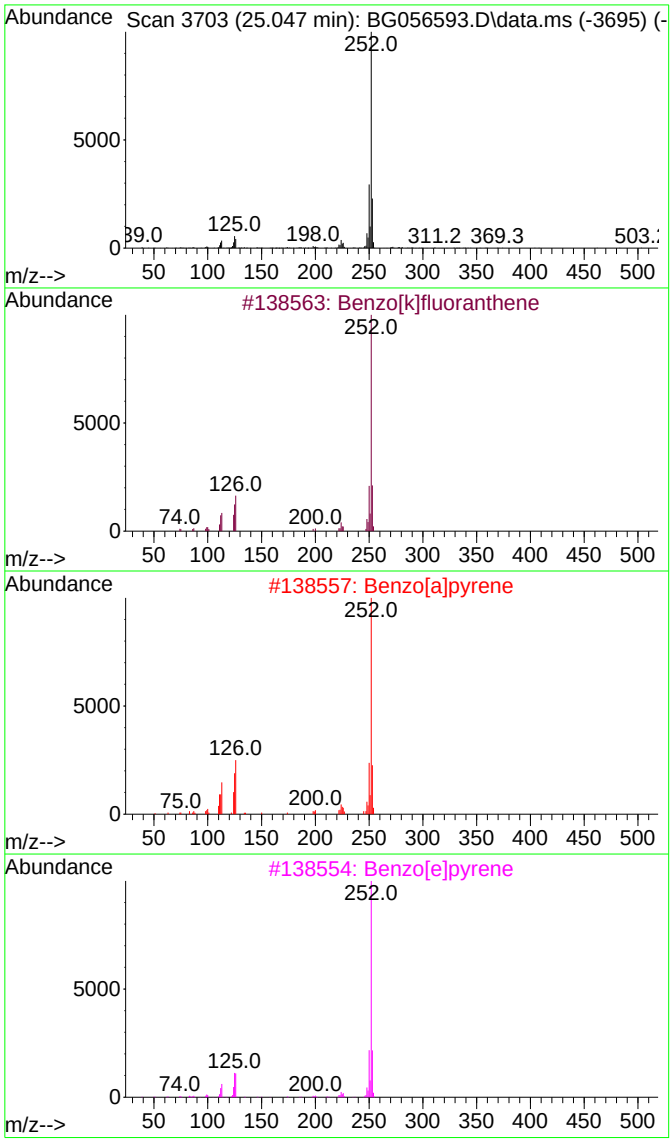
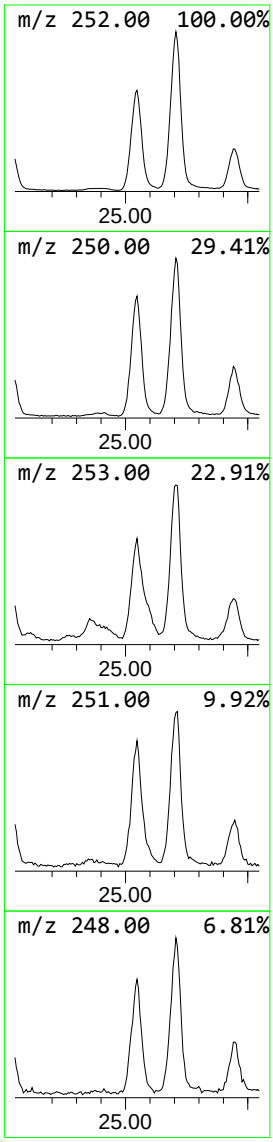
Peak Number 20 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.047	14.41 ng	1359020	Perylene-d12	25.364

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056593.D
Acq On : 8 Feb 2023 22:45
Operator : CG/JU
Sample : 01481-15 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.300	6.9	ng	73716	1	8.267	214243	20.0
Benzophenone	16.228	6.0	ng	135891	3	14.894	449490	20.0
9H-Fluorene, 1-...	16.933	4.6	ng	129893	4	17.632	566035	20.0
Benzene, 1-meth...	17.150	3.6	ng	103111	4	17.632	566035	20.0
9H-Fluoren-9-one	17.286	3.6	ng	103405	4	17.632	566035	20.0
Dibenzothiophene	17.450	5.0	ng	141605	4	17.632	566035	20.0
Phenanthrene, 2...	18.502	17.3	ng	490222	4	17.632	566035	20.0
Phenanthrene, 1...	18.549	20.9	ng	592095	4	17.632	566035	20.0
Anthracene, 1-m...	18.631	9.4	ng	267322	4	17.632	566035	20.0
Benzaldehyde, 3...	18.702	30.0	ng	850056	4	17.632	566035	20.0
1H-Indene, 2-ph...	18.731	10.3	ng	291417	4	17.632	566035	20.0
Naphthalene, 2-...	18.984	11.5	ng	325141	4	17.632	566035	20.0
9,10-Anthracene...	19.042	8.2	ng	231885	4	17.632	566035	20.0
Phenanthrene, 4...	19.230	7.9	ng	222934	4	17.632	566035	20.0
Phenanthrene, 2...	19.401	16.1	ng	454451	4	17.632	566035	20.0
unknown19.465	19.465	5.5	ng	154723	4	17.632	566035	20.0
Cyclopenta(def)...	19.554	14.9	ng	421490	4	17.632	566035	20.0
unknown19.759	19.759	4.8	ng	137206	4	17.632	566035	20.0
Benzo[e]pyrene	24.536	3.8	ng	354835	6	25.364	1885860	20.0
Perylene	25.047	14.4	ng	1359020	6	25.364	1885860	20.0