LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053299.D
Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

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-BG040822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG053299.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.678	383	390	399	rBV	286015	489442	11.21%	1.157%
2	7.270	654	661	676	rBV	311748	569802	13.05%	1.347%
3	8.110	796	804	811	rBV2	143357	250565	5.74%	0.592%
4	9.273	994	1002	1010	rBV	208195	378320	8.66%	0.894%
5	10.924	1271	1283	1287	rBV	196507	368287	8.43%	0.871%
6	10.971	1287	1291	1299	rVB	156508	285109	6.53%	0.674%
7	12.569	1552	1563	1571	rVB	106111	180667	4.14%	0.427%
8	12.786	1592	1600	1609	rVB	83915	147466	3.38%	0.349%
9	13.356	1690	1697	1704	rBV	496088	764728	17.51%	1.808%
10	13.568	1727	1733	1738	rVB4	23995	45897	1.05%	0.109%
11	13.767	1762	1767	1777	rVB	21783	45256	1.04%	0.107%
12	13.902	1783	1790	1798	rBV3	44611	121408	2.78%	0.287%
13	14.055	1808	1816	1821	rBV2	80622	144763	3.31%	0.342%
14	14.108	1821	1825	1830	rVV	49427	76410	1.75%	0.181%
15	14.290	1852	1856	1860	rBV2	35368	54993	1.26%	0.130%
16	14.461	1875	1885	1896	rBV	143531	288470	6.61%	0.682%
17	14.737	1921	1932	1937	rBV	287241	515406	11.80%	1.218%
18	14.795	1937	1942	1949	rVB	219216	357666	8.19%	0.846%
19	14.936	1960	1966	1975	rBV3	19067	51821	1.19%	0.123%
20	15.130	1992	1999	2006	rVB	194097	320001	7.33%	0.756%
21	15.207	2006	2012	2018	rBV2	35230	59459	1.36%	0.141%
22	15.342	2027	2035	2041	rBV3	39103	87745	2.01%	0.207%
23	15.518	2057	2065	2068	rBV5	27440	67042	1.54%	0.158%
24	15.776	2103	2109	2120	rVB	356337	586080	13.42%	1.386%
25	15.935	2133	2136	2141	rVB3	40050	64819	1.48%	0.153%
26	16.070	2154	2159	2166	rVB	72247	124128	2.84%	0.293%
27	16.223	2176	2185	2192	rBV	425474	739342	16.93%	1.748%
28	16.452	2216	2224	2229	rBV6	50755	98454	2.25%	0.233%
29	16.781	2272	2280	2285	rBV2	82652	159161	3.64%	0.376%
30	16.834	2285	2289	2295	rVB2	49587	73502	1.68%	0.174%
31	16.934	2302	2306	2310	rVB	54253	81226	1.86%	0.192%
32	17.004	2312	2318	2322	rVV3	42874	95174	2.18%	0.225%
33	17.051	2323	2326	2335	rVV4	49394	110376	2.53%	0.261%
34	17.133	2337	2340	2346	rVV6	26141	50010	1.15%	0.118%
35	17.210	2348	2353	2359	rVV3	51185	116722	2.67%	0.276%
36	17.298	2363	2368	2375	rVB	121305	204522	4.68%	0.483%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053299.D
Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

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-BG040822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.480	2393	2399	2402	rBV	315825	510604	11.69%	1.207%
38	17.527	2402	2407	2413	rVV	1748223	2733663	62.60%	6.463%
39	17.615	2416	2422	2427	rVV	506337	769813	17.63%	1.820%
40	17.668	2427	2431	2436	rVB3	71399	132193	3.03%	0.313%
41	17.879	2462	2467	2477	rBV	136932	256025	5.86%	0.605%
42	17.997	2483	2487	2491	rVB	40989	51158	1.17%	0.121%
43	18.062	2494	2498	2505	rVB3	45525	84716	1.94%	0.200%
44	18.203	2520	2522	2530	rVB2	37315	67605	1.55%	0.160%
45	18.355	2543	2548	2552	rBV	237044	364795	8.35%	0.862%
46	18.408	2552	2557	2563	rVB	305043	483537	11.07%	1.143%
47	18.485	2565	2570	2575	rBV	151382	239306	5.48%	0.566%
48	18.555	2575	2582	2586	rBV3	514163	980906	22.46%	2.319%
49	18.849	2627	2632	2636	rBV	193612	260184	5.96%	0.615%
50	18.896	2636	2640	2648	rVB3	61839	103035	2.36%	0.244%
51	19.142	2679	2682	2686	rBV	66868	94118	2.16%	0.222%
52	19.184	2686	2689	2693	rVB2	67462	80933	1.85%	0.191%
53	19.266	2698	2703	2708	rBV	199645	349434	8.00%	0.826%
54	19.413	2724	2728	2734	rBV3	104075	209086	4.79%	0.494%
55	19.536	2742	2749	2755	rBV	2564201	4069124	93.18%	9.620%
56	19.589	2755	2758	2761	rVV3	65137	88083	2.02%	0.208%
57	19.624	2761	2764	2769	rVB	72146	92287	2.11%	0.218%
58	19.683	2770	2774	2777	rVV	107392	144262	3.30%	0.341%
59	19.777	2786	2790	2793	rBV	81059	113911	2.61%	0.269%
60	19.900	2800	2811	2818	rBV	2402394	4366913	100.00%	10.324%
61	19.959	2818	2821	2827	rVB2	149715	240088	5.50%	0.568%
62	20.082	2835	2842	2846	rBV2	685993	1013038	23.20%	2.395%
63	20.212	2859	2864	2865	rBV3	202266	289187	6.62%	0.684%
64	20.382	2889	2893	2898	rVB	576474	870098	19.92%	2.057%
65	20.482	2906	2910	2914	rBV	493582	656624	15.04%	1.552%
66	20.541	2916	2920	2924	rVB2	236735	371711	8.51%	0.879%
67	20.682	2940	2944	2948	rBV	200590	285032	6.53%	0.674%
68	20.729	2948	2952	2960	rVB2	207517	351120	8.04%	0.830%
69	21.099	3013	3015	3021	rBV5	67690	119460	2.74%	0.282%
70	21.339	3053	3056	3060	rBV2	148577	195930	4.49%	0.463%
71	21.381	3060	3063	3068	rVB	203288	299963	6.87%	0.709%
72	21.433	3068	3072	3077	rBV2	214821	329027	7.53%	0.778%
73	21.757	3121	3127	3133	rBV3	1330004	2774161	63.53%	6.558%
74	21.821	3134	3138	3151	rVB	1122909	1972253	45.16%	4.662%
75	21.974	3160	3164	3171	rBV	233143	379397	8.69%	0.897%
76	22.185	3195	3200	3208	rVB2	152613	311534	7.13%	0.736%

LSC Area Percent Report

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Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

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-BG040822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	22.802	3301	3305	3308	rBV3	88273	142661	3.27%	0.337%
78	24.042	3507	3516	3523	rBV2	742040	2642282	60.51%	6.246%
79	24.294	3553	3559	3569	rVB	196768	478973	10.97%	1.132%
80	24.788	3634	3643	3655	rVB	468561	1480609	33.91%	3.500%
81	24.940	3659	3669	3681	rVB	786907	2277288	52.15%	5.384%

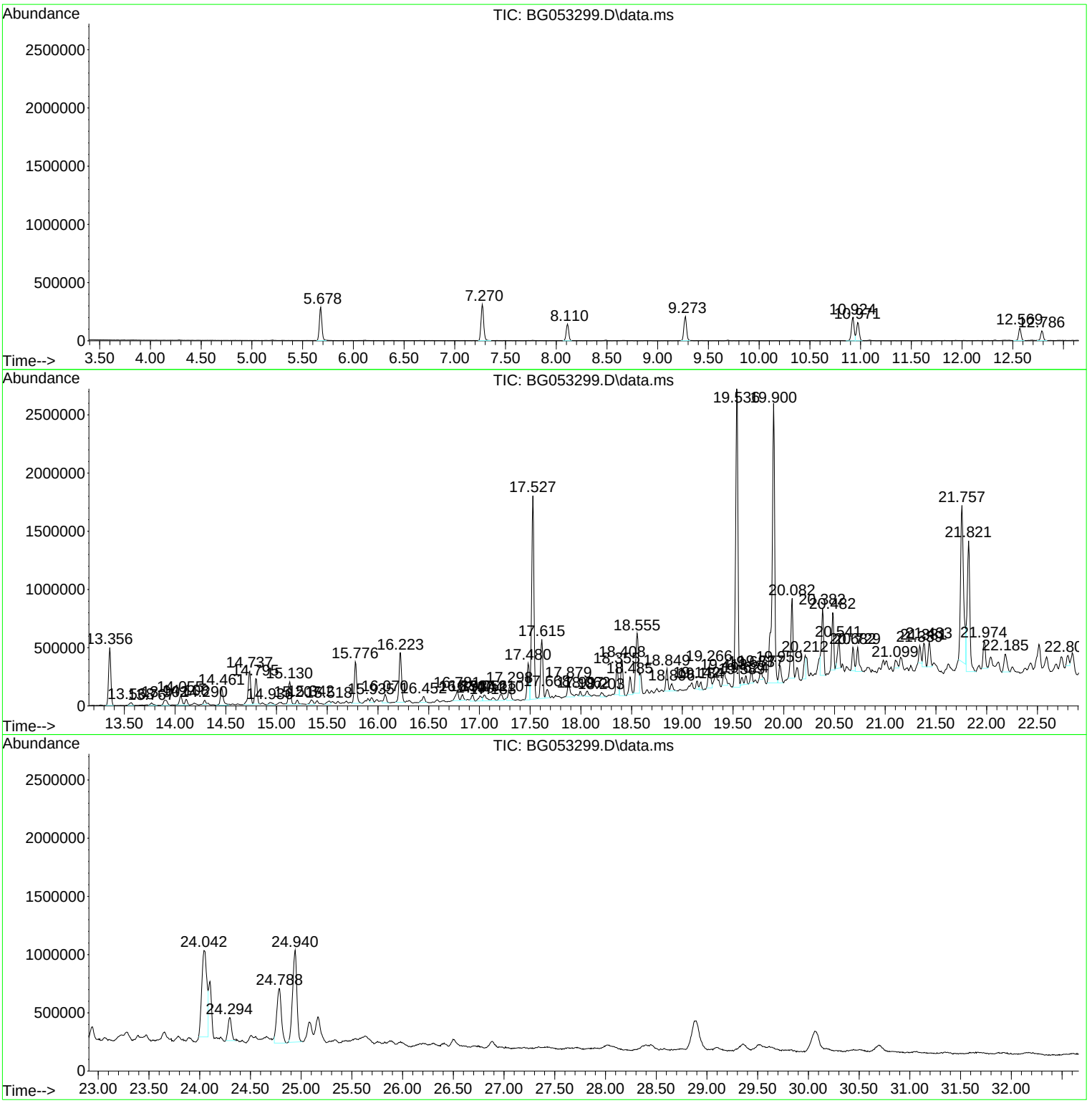
Sum of corrected areas: 42300366

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053299.D
Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.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\BG042322\
Data File : BG053299.D
Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

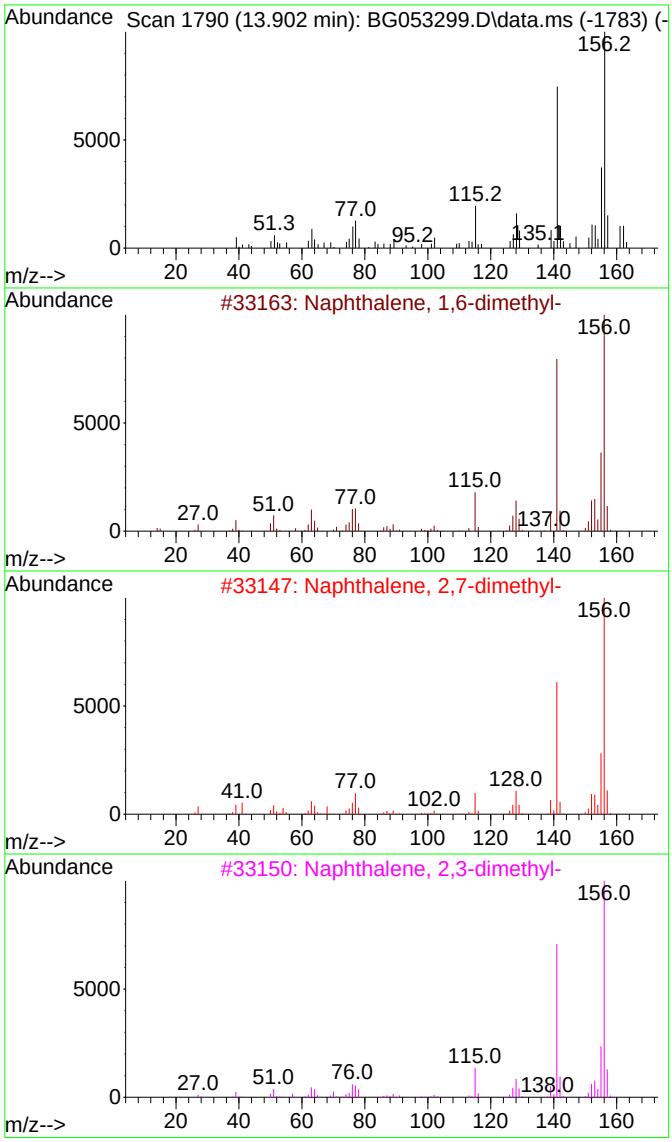
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

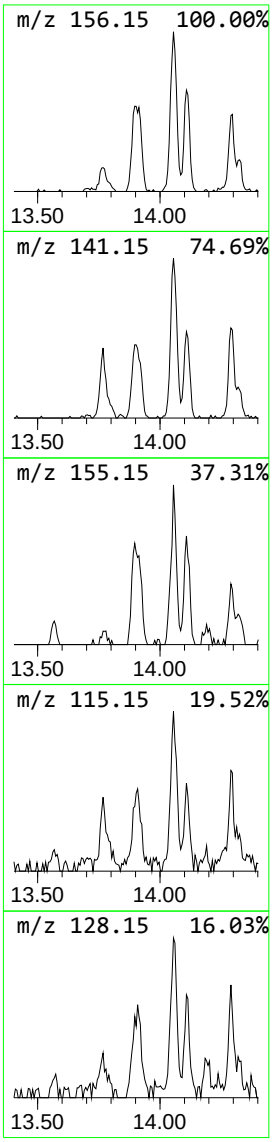
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.903	4.71 ng	121408	Acenaphthene-d10	14.737

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053299.D
Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

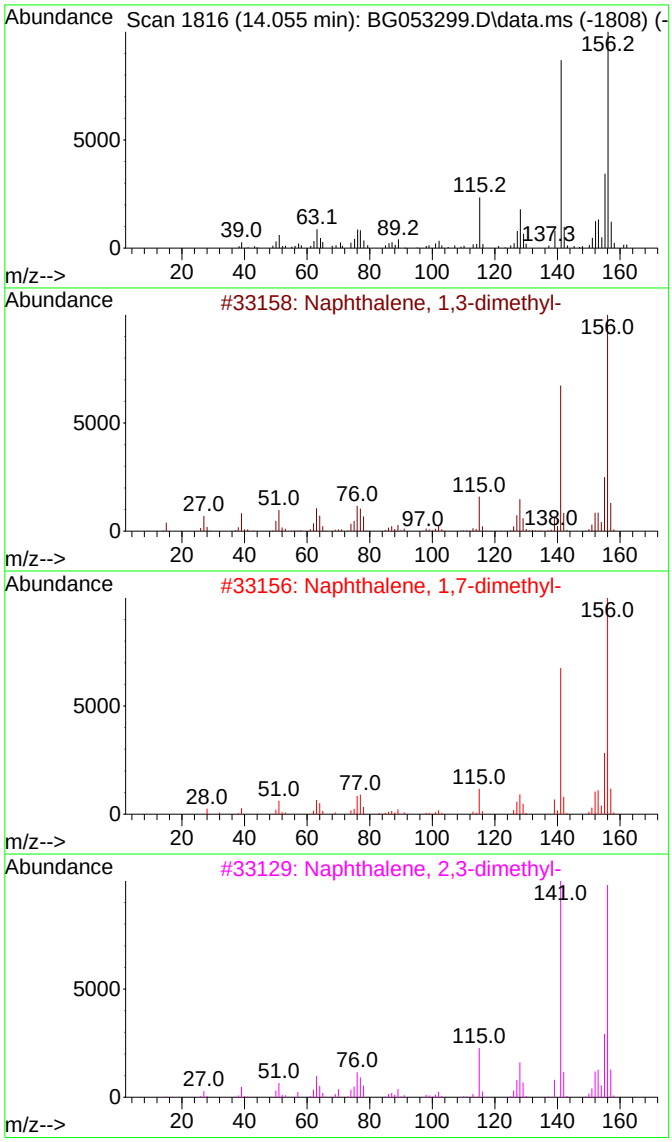
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

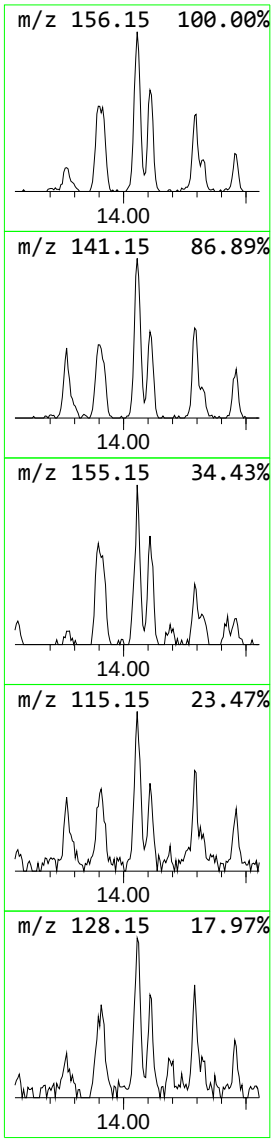
****

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.055	5.62 ng	144763	Acenaphthene-d10	14.737

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053299.D
Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

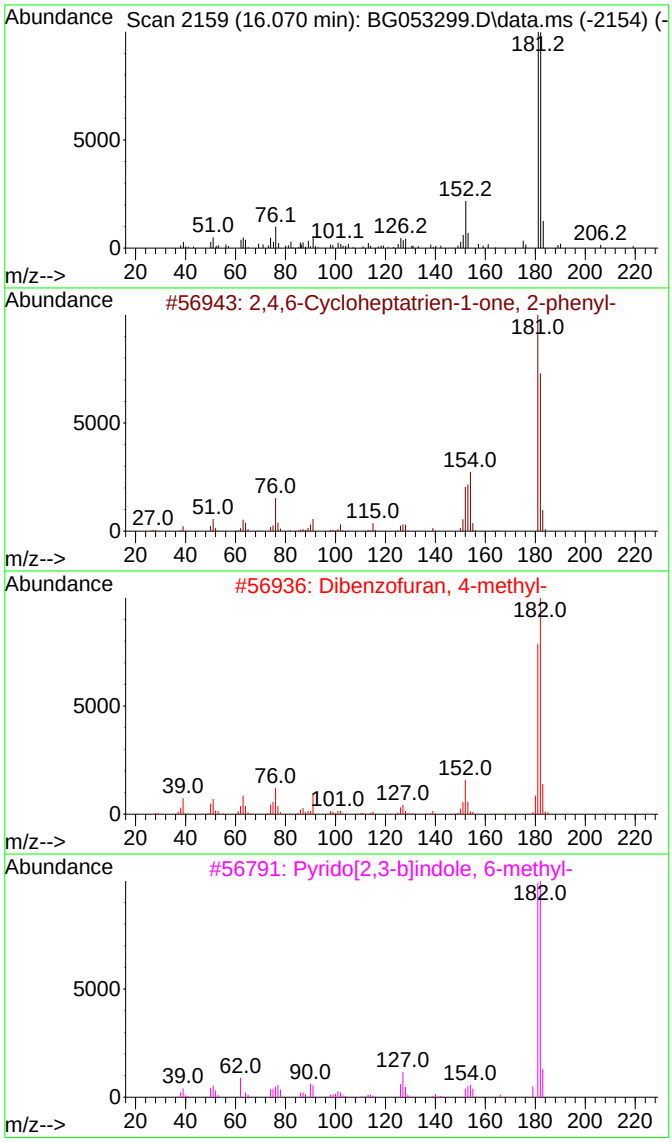
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

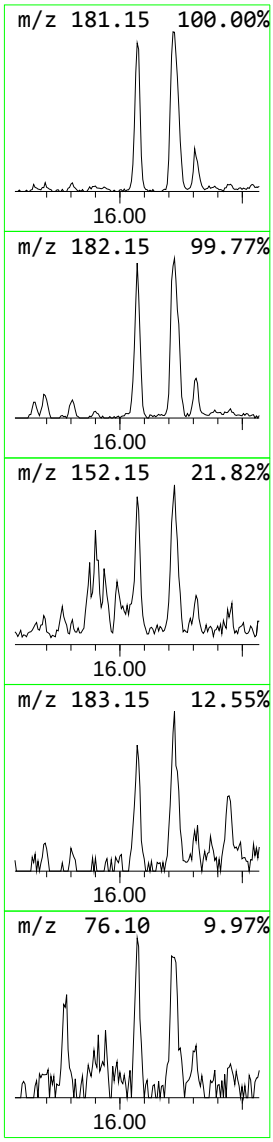
****

Peak Number 3 2,4,6-Cycloheptatrien-1-one... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.070	4.82 ng	124128	Acenaphthene-d10	14.737

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
3	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	80
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053299.D
Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

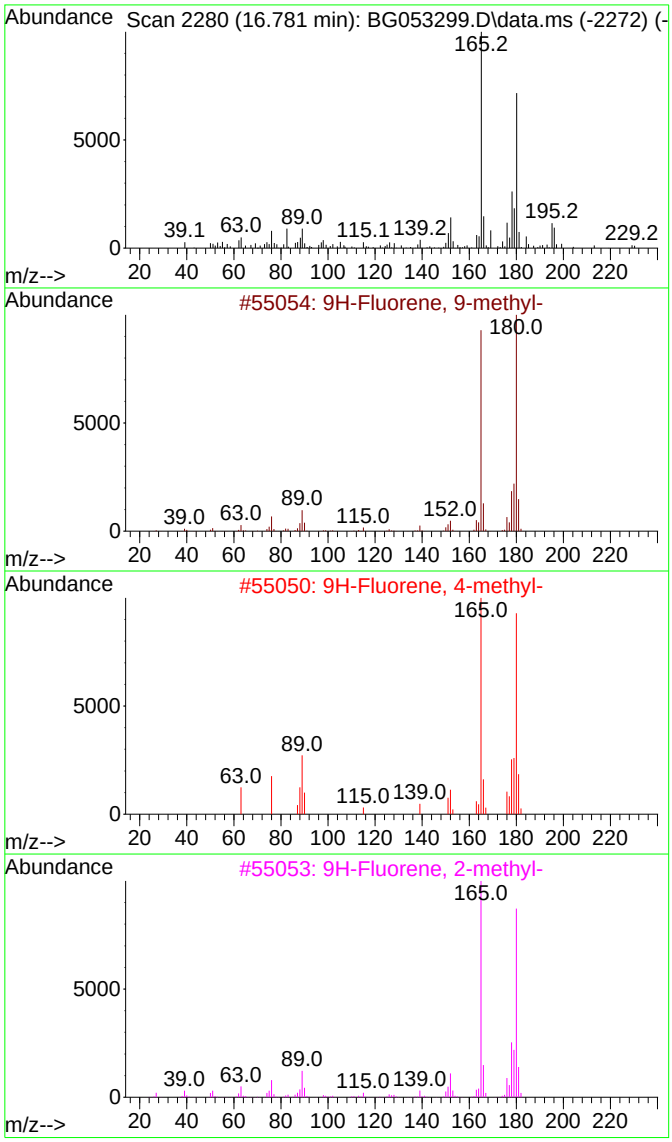
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

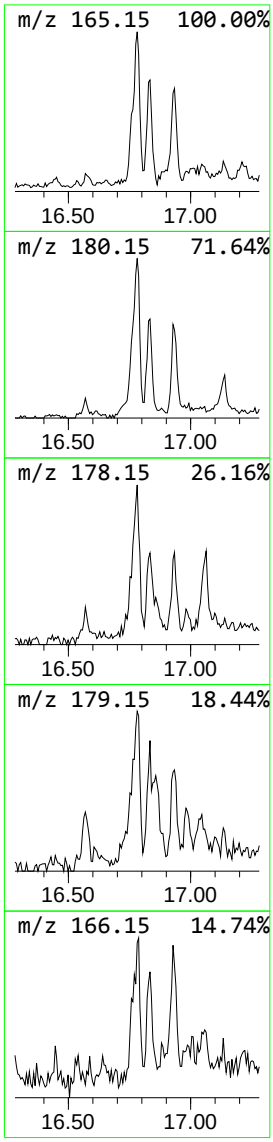
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 9H-Fluorene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.781	6.23 ng	159161	Phenanthrene-d10	17.480

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053299.D
Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

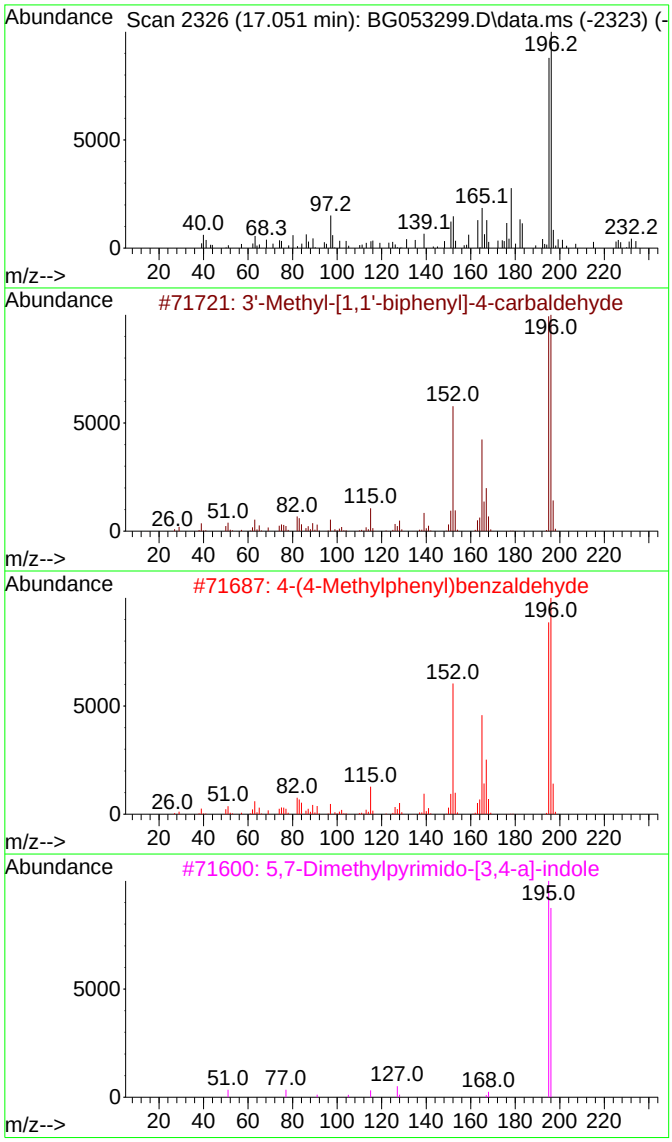
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

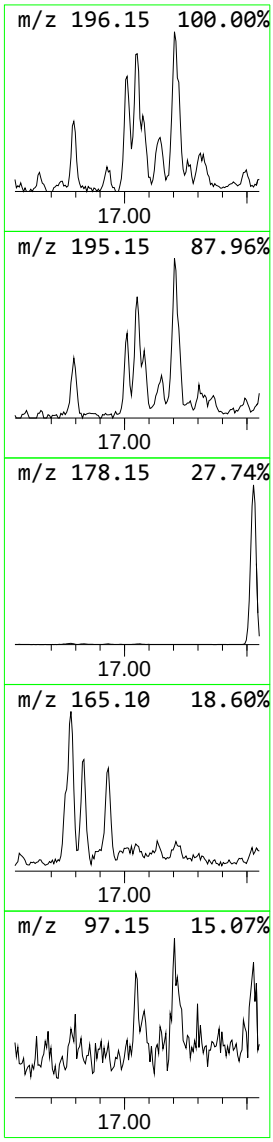
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.051	4.32 ng	110376	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	62
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	58
3	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	43
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053299.D
Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

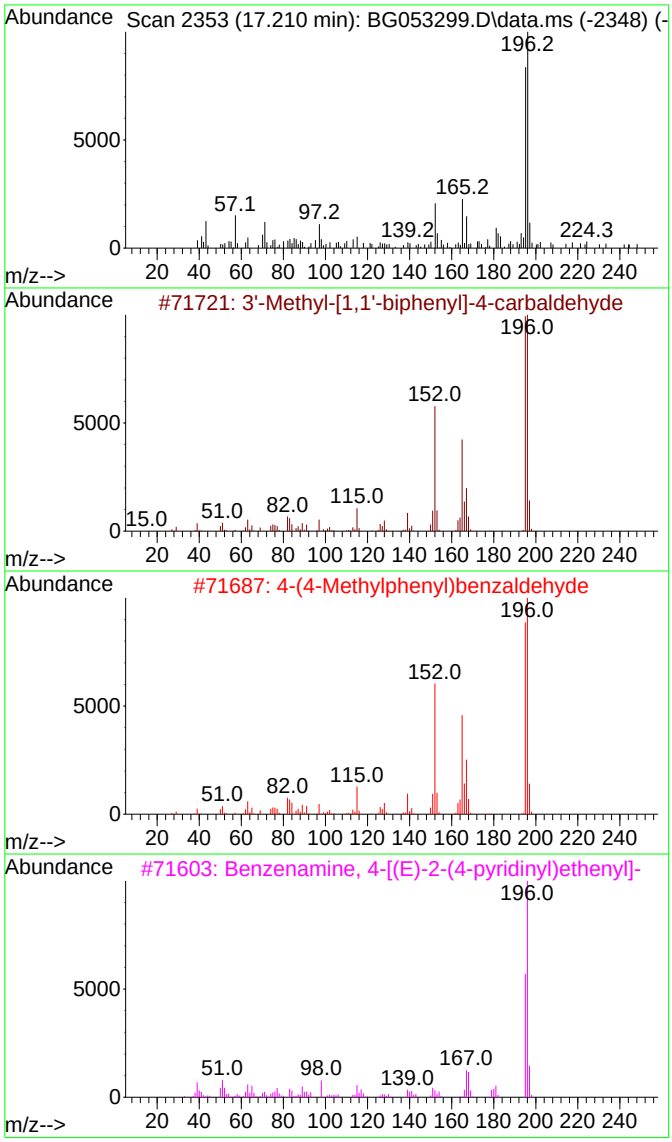
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

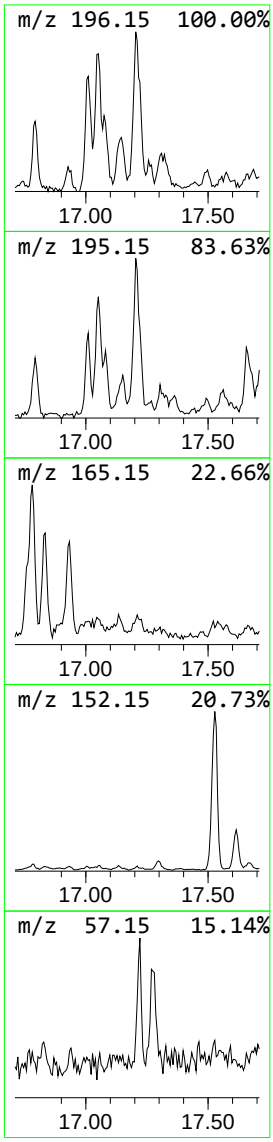
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4-(4-Methylphenyl)benzaldehyde Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.210	4.57 ng	116722	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	90
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	87
3	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	53
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	47
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46





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Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

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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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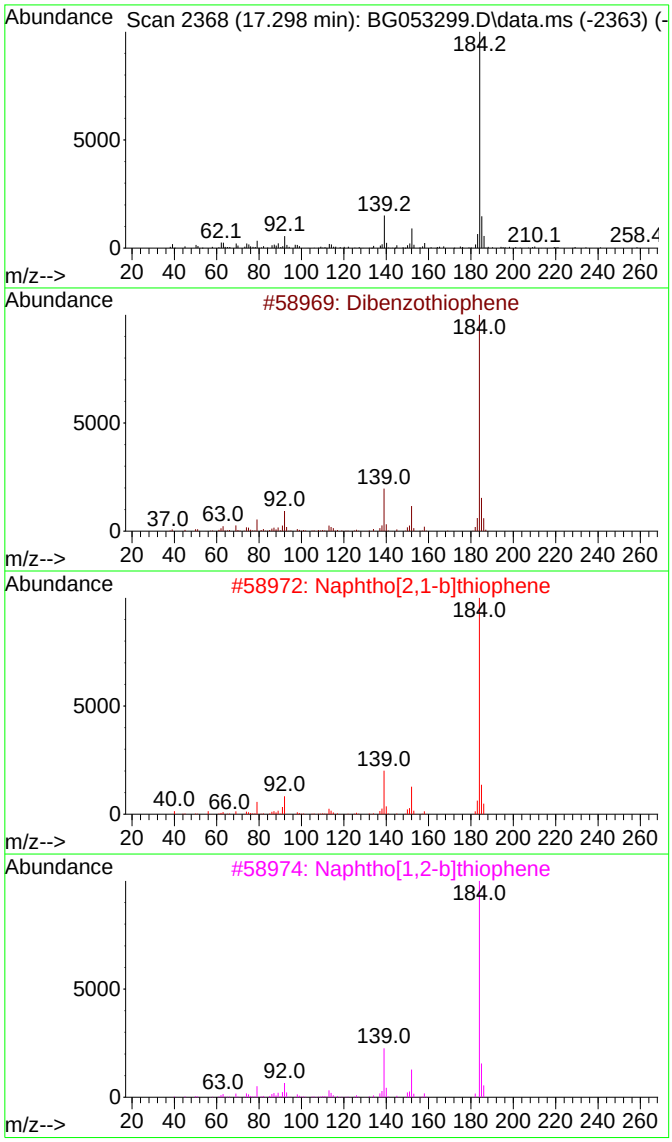
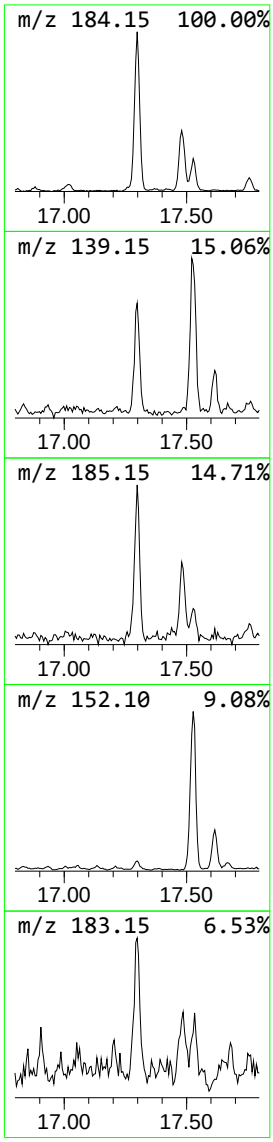
Peak Number 7 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.298	8.01 ng	204522	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-01-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.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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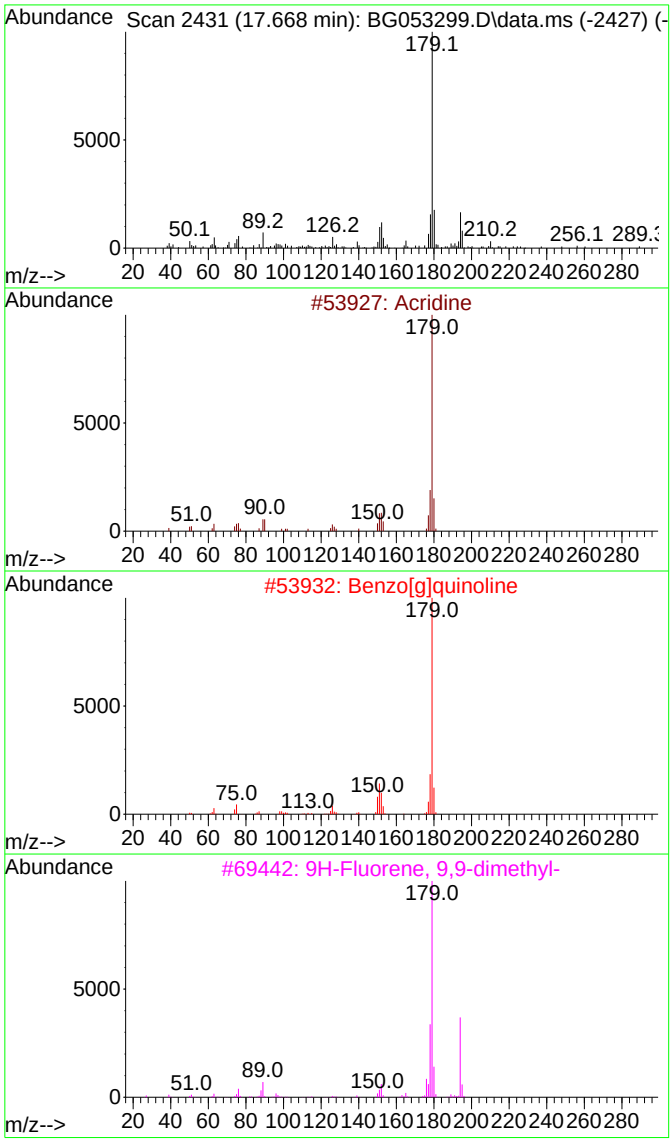
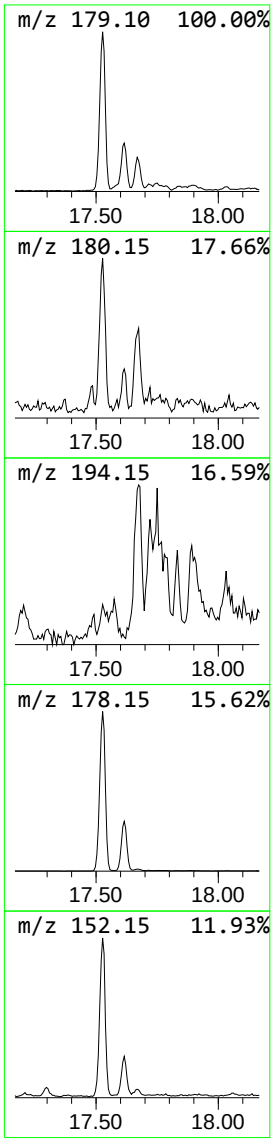
Peak Number 8 Acridine Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.668	5.18 ng	132193	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	93
2	Benzo[g]quinoline	179	C13H9N	000260-36-6	91
3	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	87
4	9H-Fluoren-9-imine	179	C13H9N	004440-33-9	87
5	Benzo[h]quinoline	179	C13H9N	000230-27-3	87





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Misc :
ALS Vial : 15 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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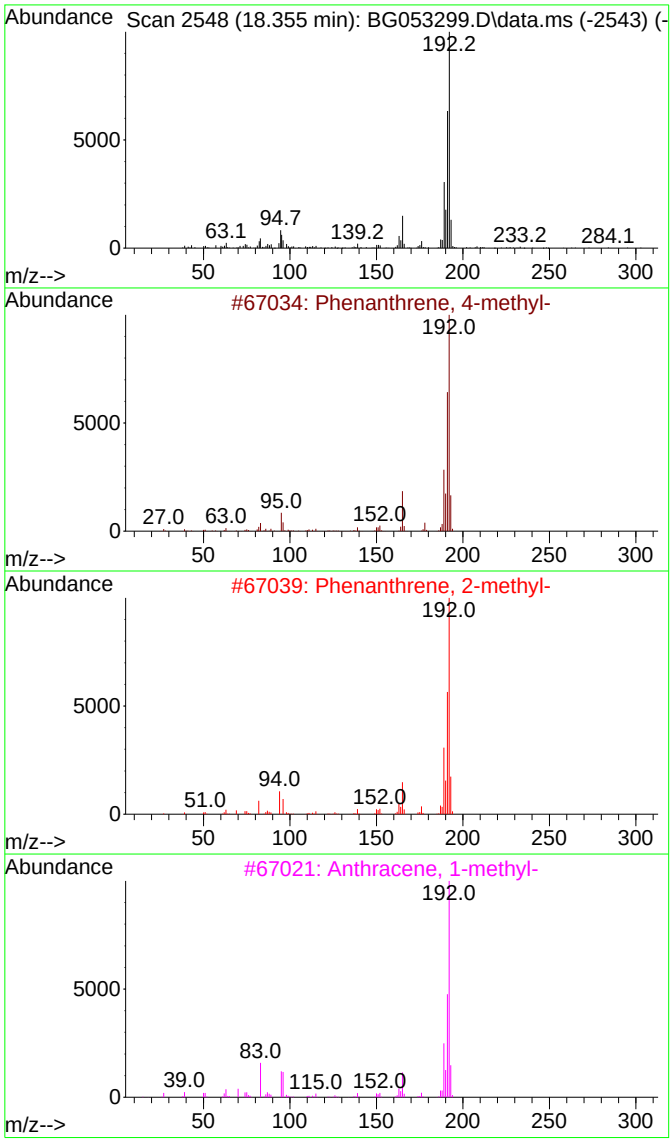
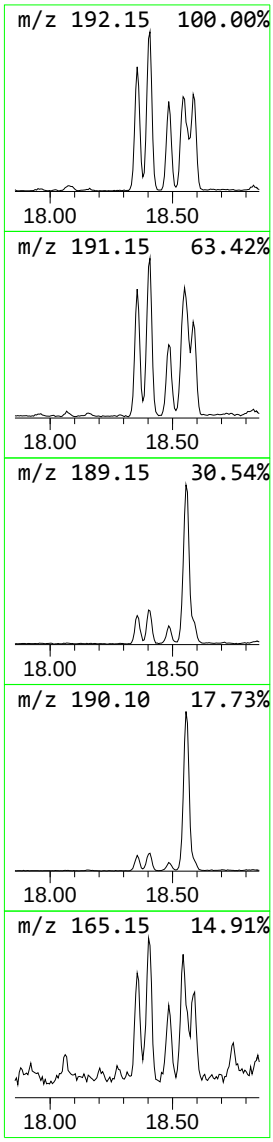
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.355	14.29 ng	364795	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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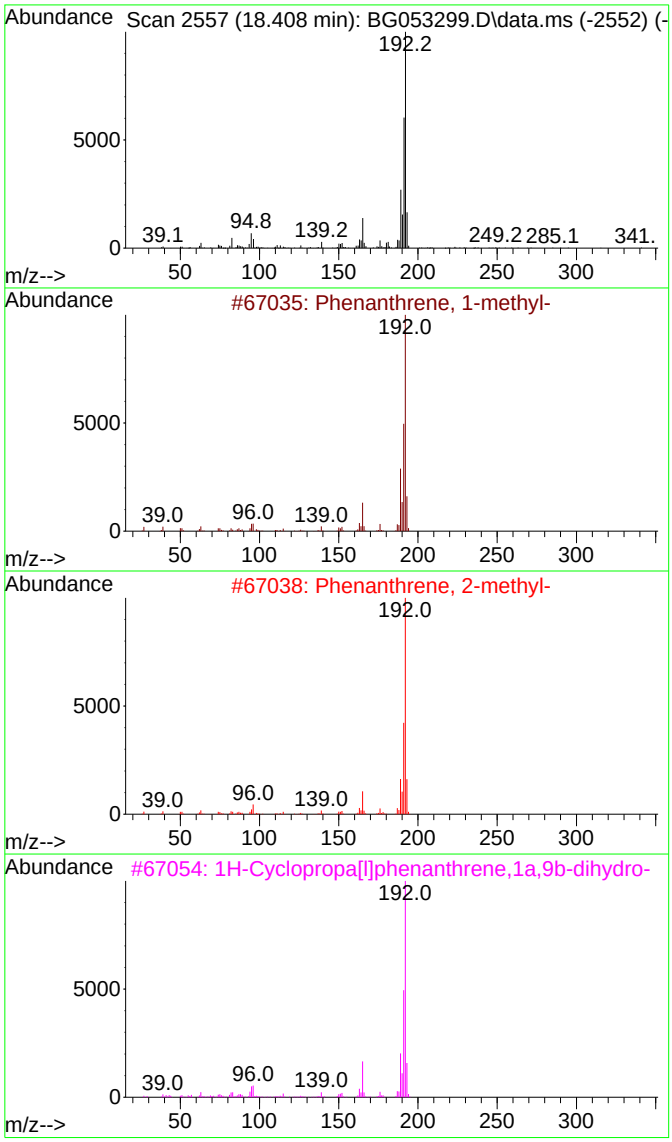
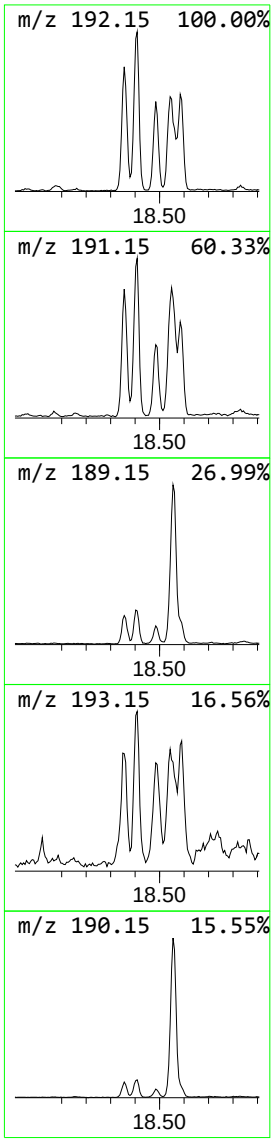
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.408	18.94 ng	483537	Phenanthrene-d10	17.480

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-01-041922

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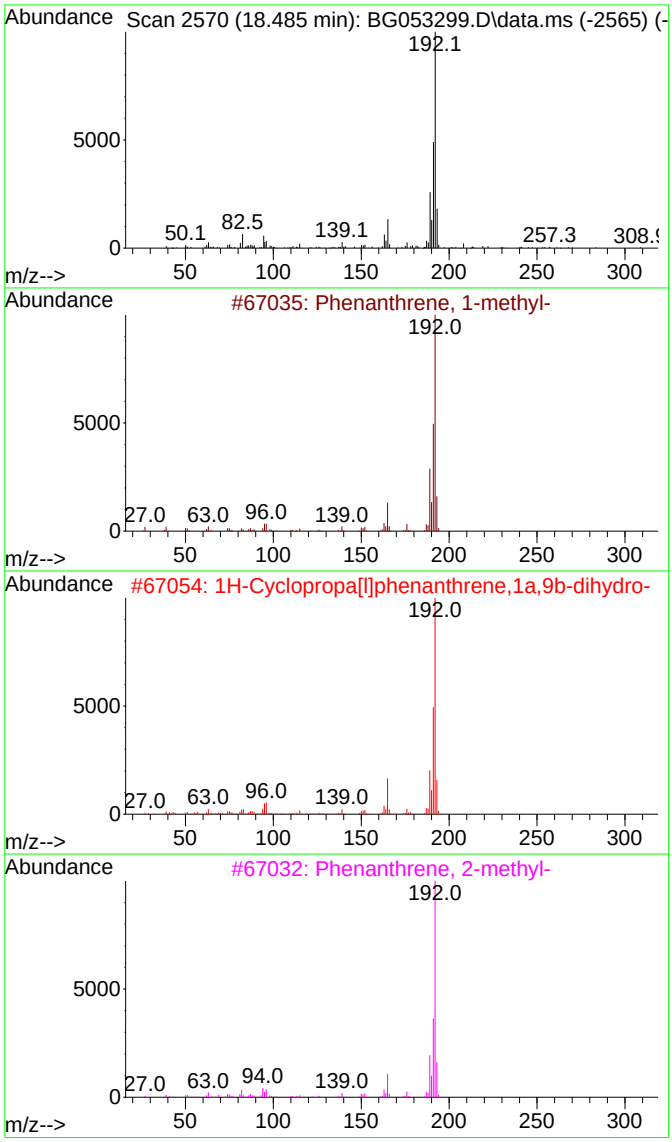
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

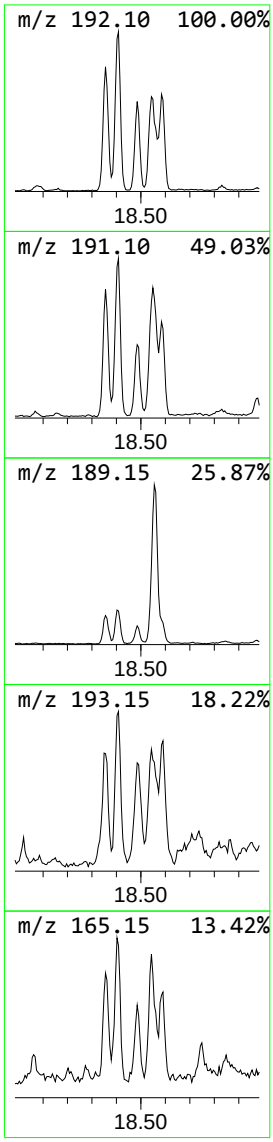
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.485	9.37 ng	239306	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91





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Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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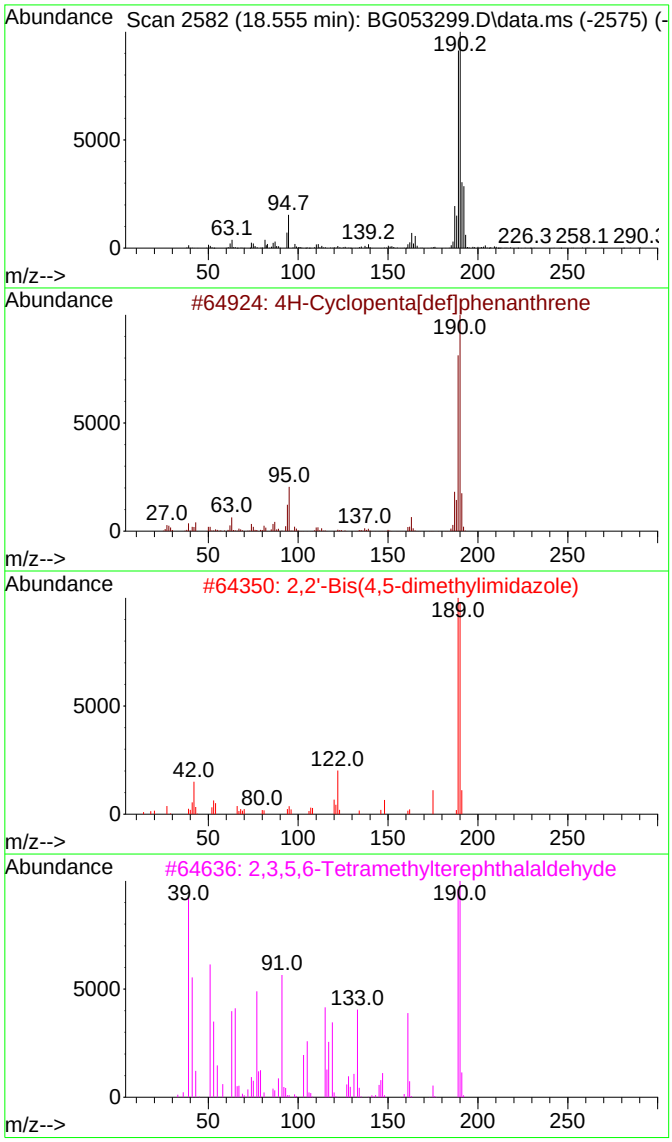
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

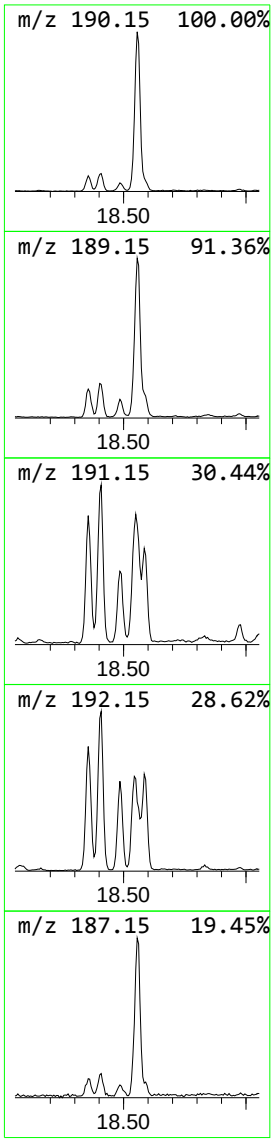
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.555	38.42 ng	980906	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	42
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	33





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Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 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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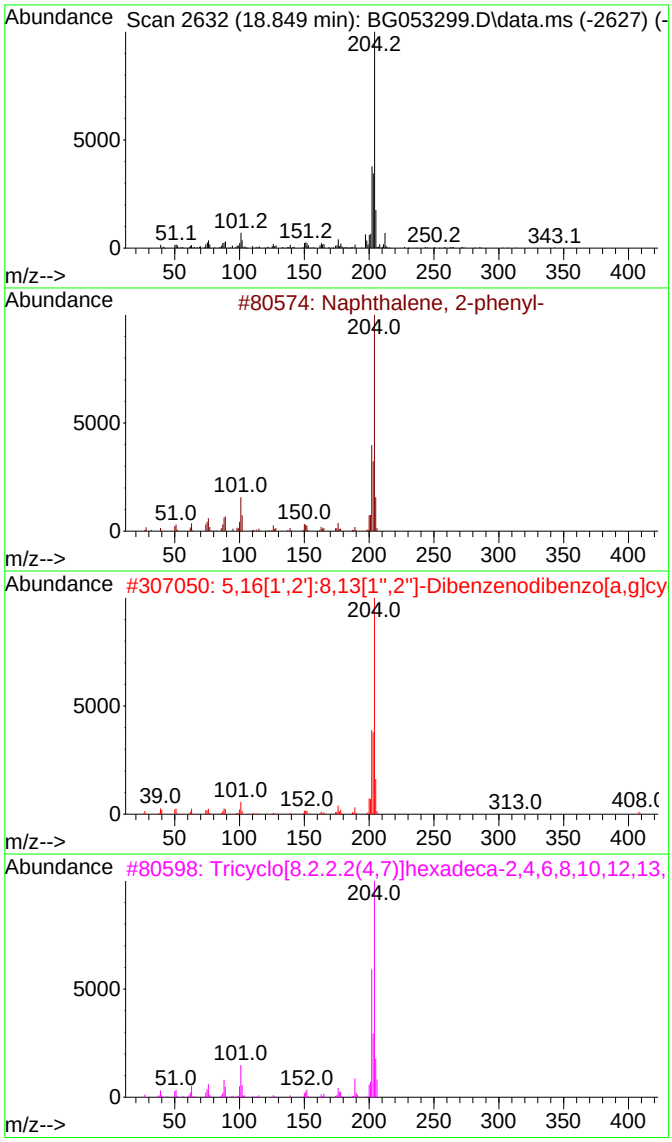
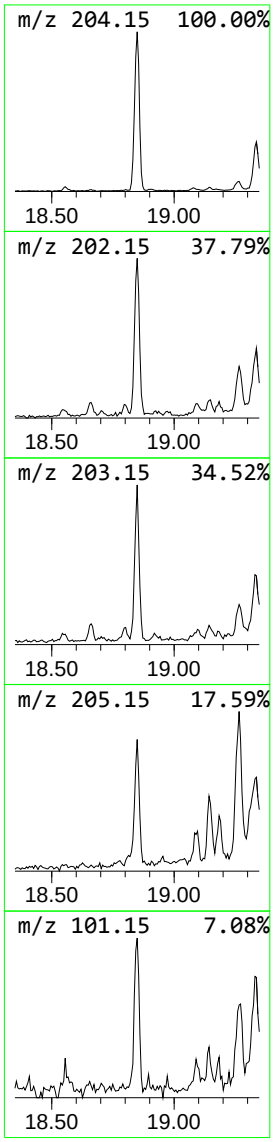
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.849	10.19 ng	260184	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52





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Sample : N2476-01 2X
Misc :
ALS Vial : 15 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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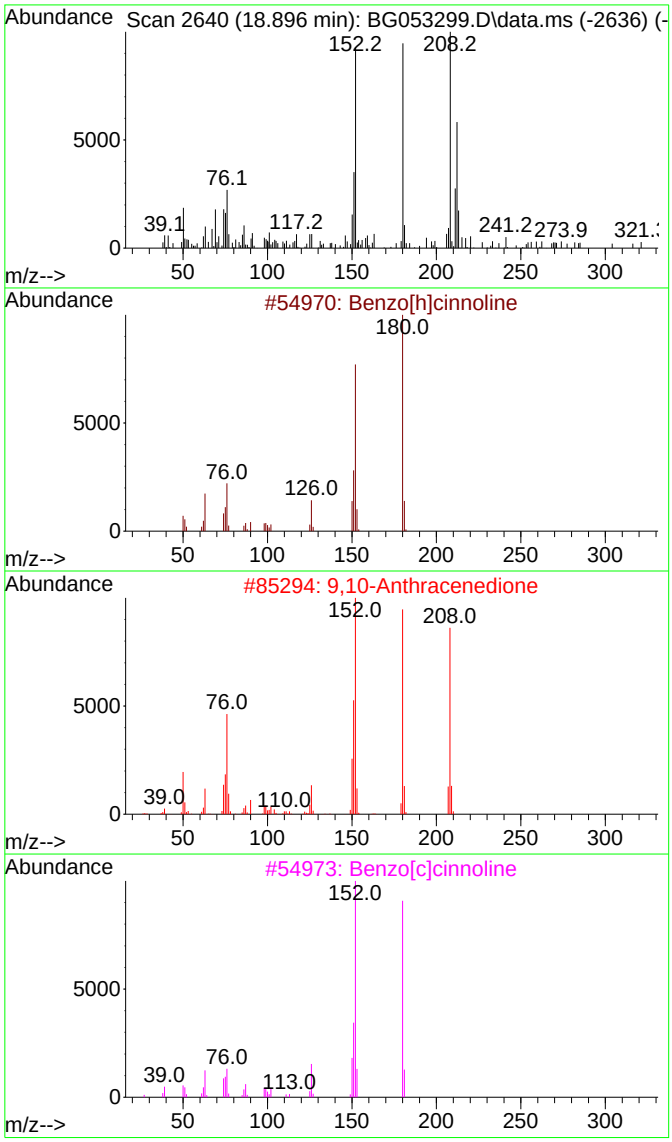
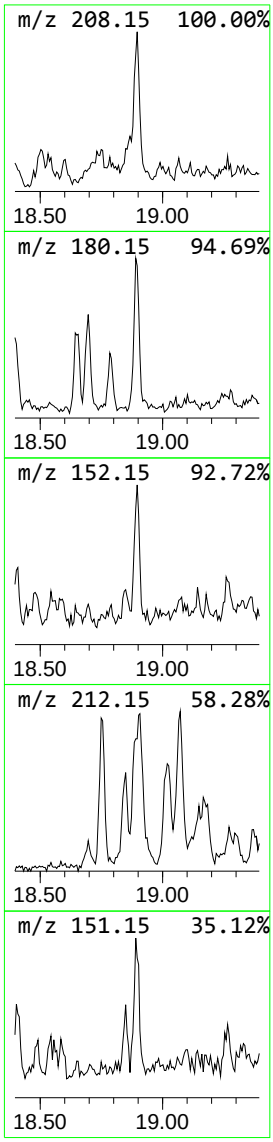
Peak Number 14 Benzo[h]cinnoline Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.896	4.04 ng	103035	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	52
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	46
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	45





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Sample : N2476-01 2X
Misc :
ALS Vial : 15 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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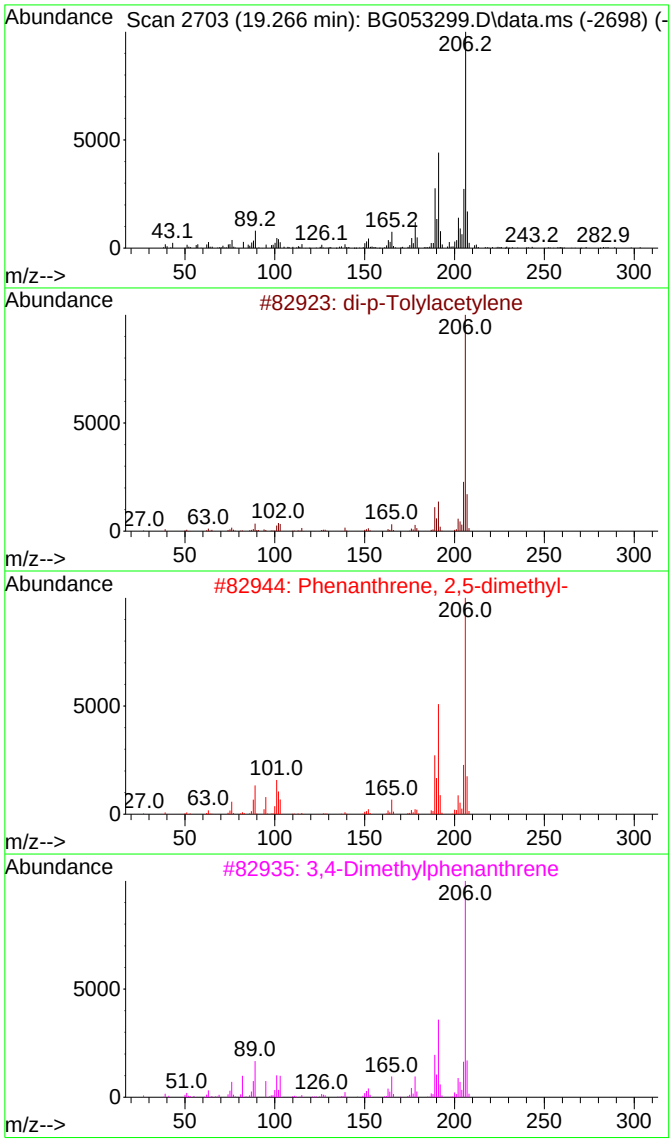
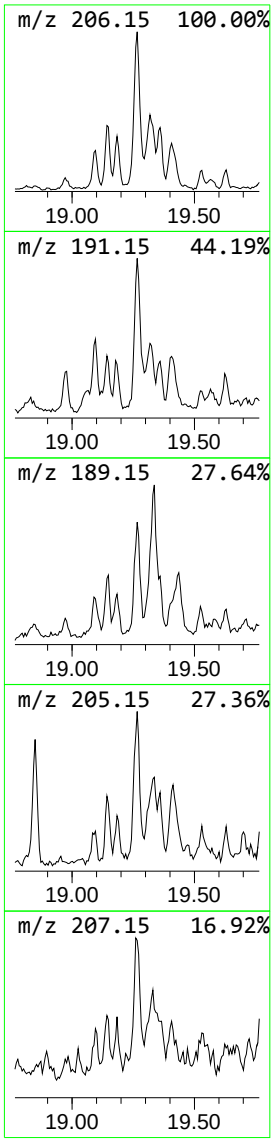
Peak Number 15 di-p-Tolylacetylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.266	13.69 ng	349434	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91





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Misc :
ALS Vial : 15 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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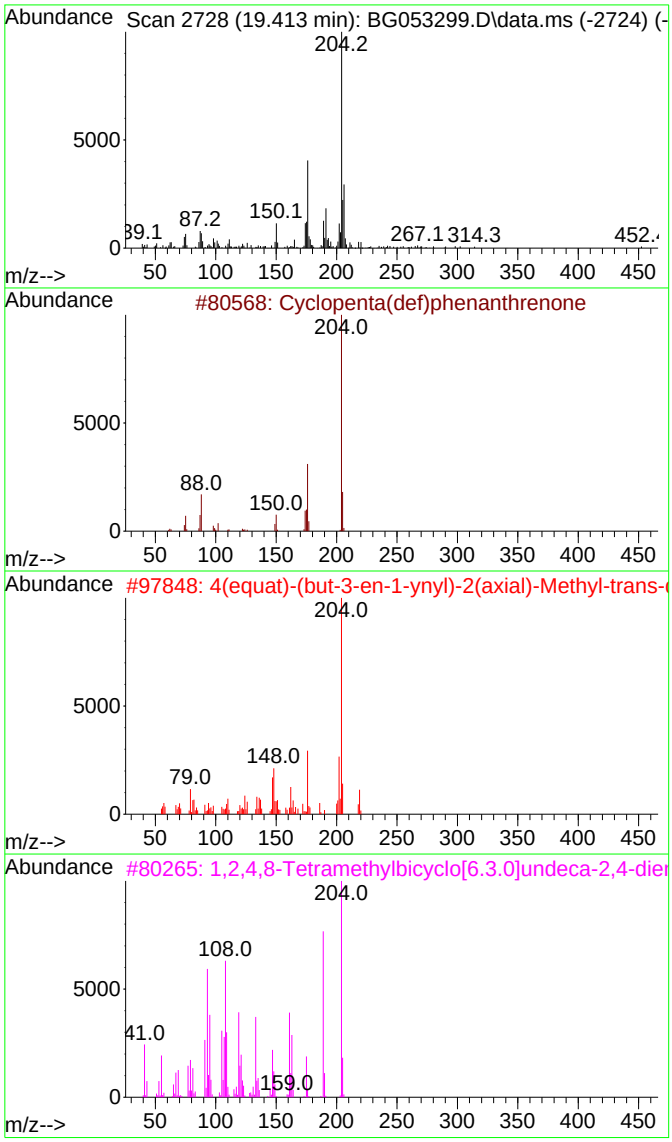
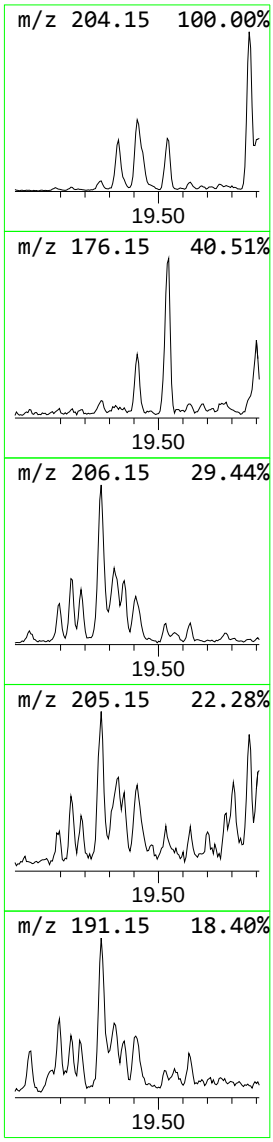
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.413	8.19 ng	209086	Phenanthrene-d10	17.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





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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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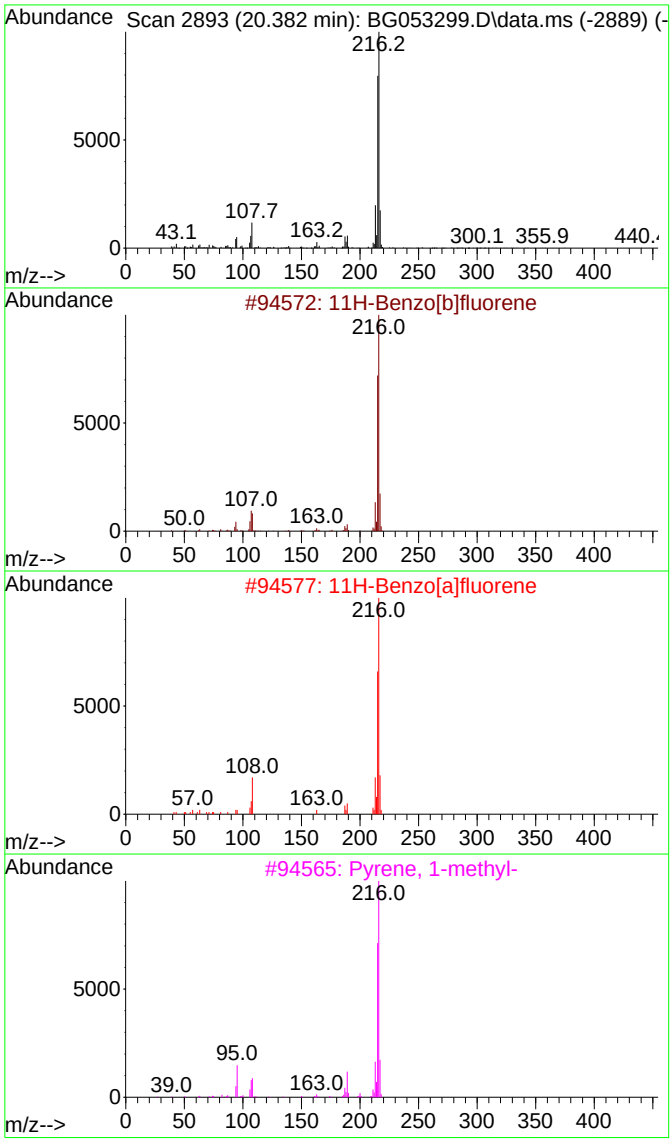
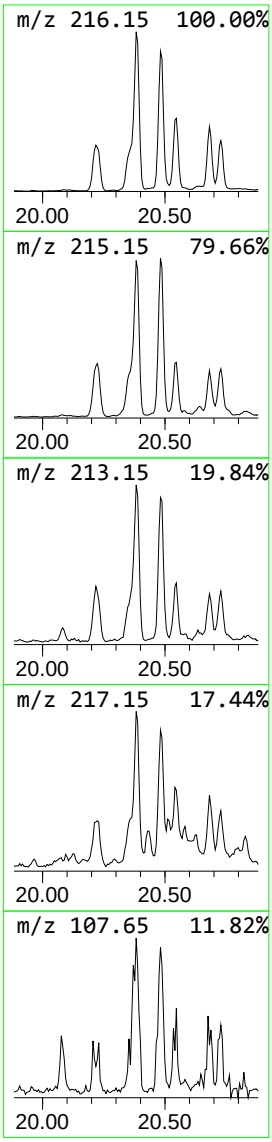
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.382	6.27 ng	870098	Chrysene-d12	21.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Data File : BG053299.D
Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.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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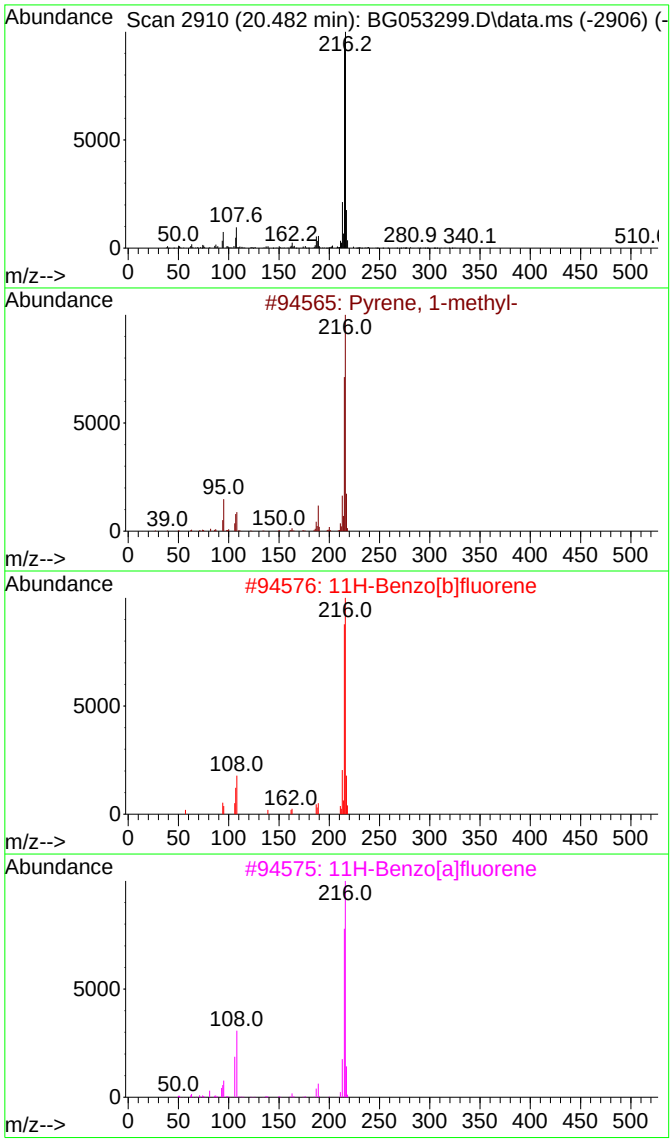
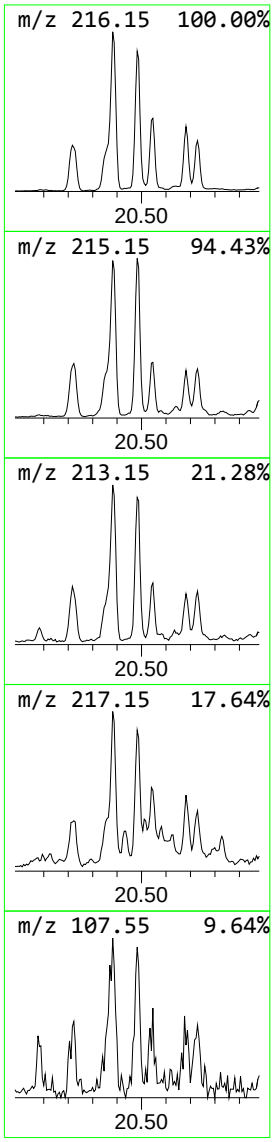
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.482	4.73 ng	656624	Chrysene-d12	21.774

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	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053299.D
Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.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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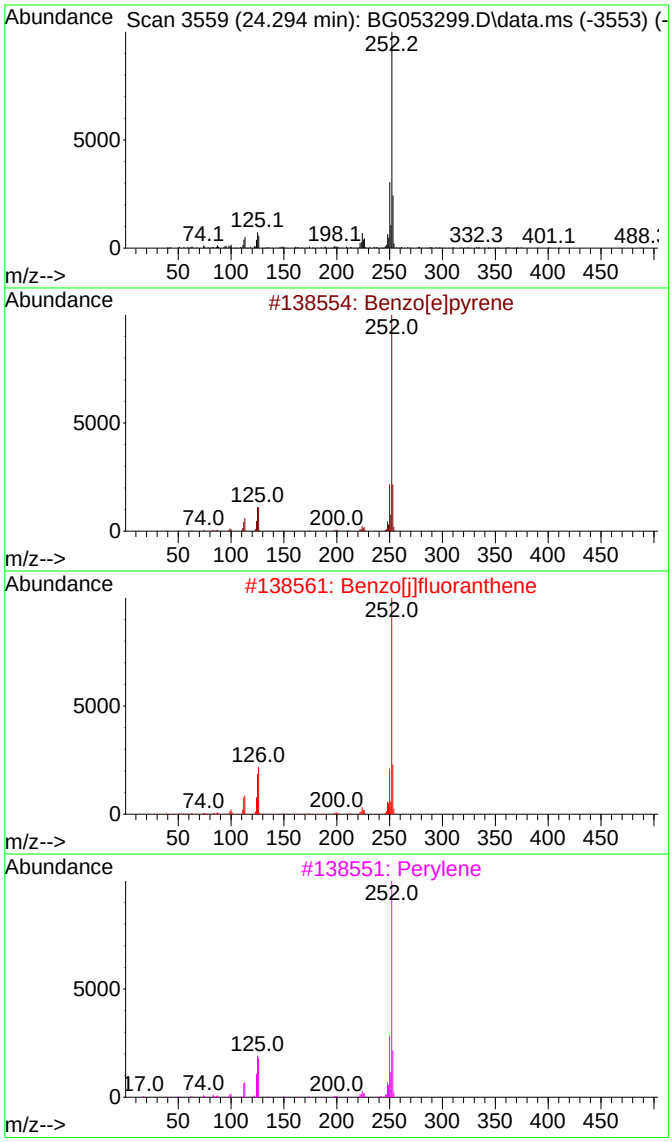
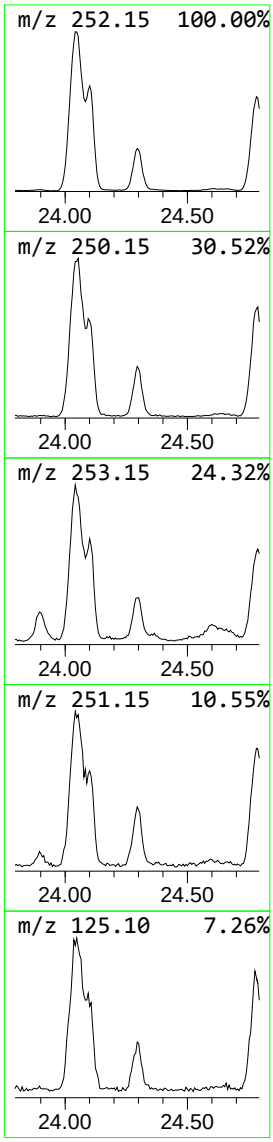
Peak Number 19 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.294	4.21 ng	478973	Perylene-d12	25.081

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81
3	Perylene	252	C20H12	000198-55-0	81
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053299.D
Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.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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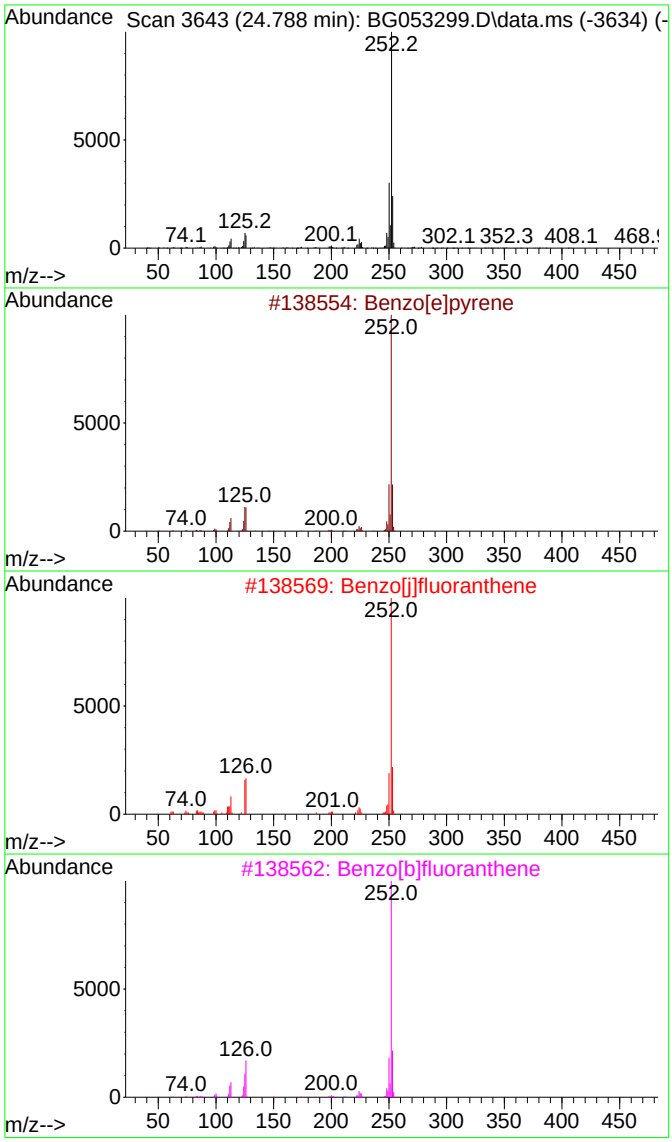
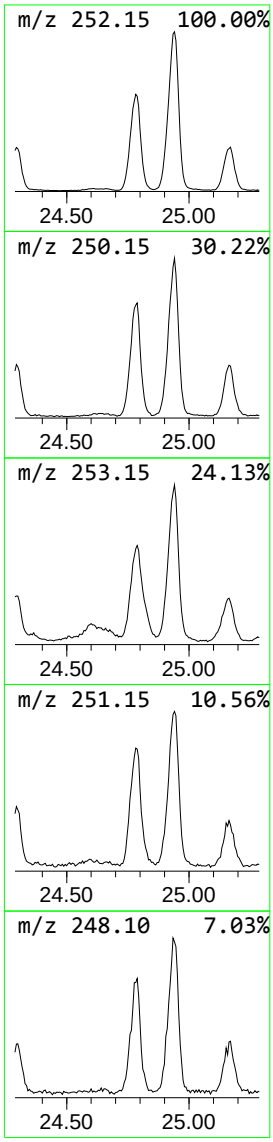
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.788	13.00 ng	1480610	Perylene-d12	25.081

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053299.D
Acq On : 23 Apr 2022 18:55
Operator : CG/JU
Sample : N2476-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.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, 1,...	13.903	4.7	ng	121408	3	14.737	515406	20.0
Naphthalene, 1,...	14.055	5.6	ng	144763	3	14.737	515406	20.0
2,4,6-Cyclohept...	16.070	4.8	ng	124128	3	14.737	515406	20.0
9H-Fluorene, 9-...	16.781	6.2	ng	159161	4	17.480	510604	20.0
3'-Methyl-[1,1'...	17.051	4.3	ng	110376	4	17.480	510604	20.0
4-(4-Methylphen...	17.210	4.6	ng	116722	4	17.480	510604	20.0
Dibenzothiophene	17.298	8.0	ng	204522	4	17.480	510604	20.0
Acridine	17.668	5.2	ng	132193	4	17.480	510604	20.0
Phenanthrene, 4...	18.355	14.3	ng	364795	4	17.480	510604	20.0
Phenanthrene, 1...	18.408	18.9	ng	483537	4	17.480	510604	20.0
1H-Cyclopropa[l...	18.485	9.4	ng	239306	4	17.480	510604	20.0
4H-Cyclopenta[d...	18.555	38.4	ng	980906	4	17.480	510604	20.0
Naphthalene, 2-...	18.849	10.2	ng	260184	4	17.480	510604	20.0
Benzo[h]cinnoline	18.896	4.0	ng	103035	4	17.480	510604	20.0
di-p-Tolylacety...	19.266	13.7	ng	349434	4	17.480	510604	20.0
Cyclopenta(def)...	19.413	8.2	ng	209086	4	17.480	510604	20.0
11H-Benzo[b]flu...	20.382	6.3	ng	870098	5	21.774	2774160	20.0
Pyrene, 1-methyl-	20.482	4.7	ng	656624	5	21.774	2774160	20.0
Benzo[e]pyrene	24.294	4.2	ng	478973	6	25.081	2277290	20.0
Benzo[j]fluoran...	24.788	13.0	ng	1480610	6	25.081	2277290	20.0