LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053301.D
Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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: BG053301.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.681	383	390	398	rBV	224678	390711	10.81%	1.316%
2	7.273	654	661	671	rBV	252554	450705	12.47%	1.519%
3	8.113	797	804	812	rBV	129919	228939	6.33%	0.771%
4	9.270	994	1001	1011	rBV	156305	291896	8.08%	0.983%
5	10.927	1272	1283	1288	rBV	178945	340523	9.42%	1.147%
6	10.974	1288	1291	1299	rVB	53128	86980	2.41%	0.293%
7	12.572	1557	1563	1569	rBV	33931	55406	1.53%	0.187%
8	12.789	1594	1600	1605	rBV2	26220	44831	1.24%	0.151%
9	13.359	1689	1697	1706	rBV	376380	597376	16.53%	2.013%
10	13.899	1782	1789	1799	rBV3	25740	66464	1.84%	0.224%
11	14.058	1808	1816	1821	rBV	41853	75135	2.08%	0.253%
12	14.111	1821	1825	1831	rVB	27332	44058	1.22%	0.148%
13	14.463	1874	1885	1895	rBV	54425	107680	2.98%	0.363%
14	14.734	1921	1931	1937	rBV	281083	476429	13.18%	1.605%
15	14.798	1937	1942	1949	rVB	217954	350253	9.69%	1.180%
16	15.045	1975	1984	1989	rBV3	21346	50066	1.39%	0.169%
17	15.133	1992	1999	2006	rVV	127964	210174	5.82%	0.708%
18	15.350	2029	2036	2040	rBV5	24543	47796	1.32%	0.161%
19	15.521	2058	2065	2068	rBV6	22148	45179	1.25%	0.152%
20	15.779	2103	2109	2121	rVB	245721	403063	11.15%	1.358%
21	15.944	2134	2137	2141	rVB5	33540	43231	1.20%	0.146%
22	16.073	2155	2159	2166	rVB	62125	103064	2.85%	0.347%
23	16.220	2178	2184	2192	rVB	344699	587217	16.25%	1.978%
24	16.449	2219	2223	2229	rVB6	34389	57984	1.60%	0.195%
25	16.784	2276	2280	2284	rVB2	51133	82162	2.27%	0.277%
26	16.831	2286	2288	2293	rVB4	32164	37031	1.02%	0.125%
27	16.931	2302	2305	2311	rVB2	34949	51500	1.42%	0.174%
28	17.013	2312	2319	2321	rBV3	34139	67426	1.87%	0.227%
29	17.048	2323	2325	2330	rVB3	29264	40295	1.11%	0.136%
30	17.136	2336	2340	2345	rVB3	29270	49803	1.38%	0.168%
31	17.213	2349	2353	2354	rBV2	36925	44735	1.24%	0.151%
32	17.301	2364	2368	2375	rVB	117809	178067	4.93%	0.600%
33	17.483	2394	2399	2402	rBV	297508	474660	13.13%	1.599%
34	17.530	2402	2407	2413	rVV	1850381	2954540	81.75%	9.955%
35	17.618	2416	2422	2427	rVV	535731	809391	22.40%	2.727%
36	17.677	2427	2432	2436	rVB2	59306	98735	2.73%	0.333%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053301.D
Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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	17.882	2462	2467	2474	rVB	139544	210677	5.83%	0.710%
38	18.358	2543	2548	2552	rBV	203984	331545	9.17%	1.117%
39	18.405	2552	2556	2562	rVB	290181	455700	12.61%	1.535%
40	18.487	2566	2570	2575	rBV2	116282	177070	4.90%	0.597%
41	18.558	2575	2582	2586	rBV3	400057	765014	21.17%	2.578%
42	18.852	2627	2632	2636	rBV	182080	269775	7.46%	0.909%
43	18.899	2636	2640	2649	rVB4	86016	157335	4.35%	0.530%
44	19.269	2699	2703	2708	rBV	144603	229119	6.34%	0.772%
45	19.539	2743	2749	2754	rBV	2359050	3614079	100.00%	12.177%
46	19.868	2800	2805	2806	rBV	437572	577756	15.99%	1.947%
47	19.903	2806	2811	2818	rVV	1991476	3137662	86.82%	10.571%
48	19.962	2818	2821	2827	rVB2	137863	217814	6.03%	0.734%
49	20.085	2837	2842	2846	rVB2	497264	711814	19.70%	2.398%
50	20.385	2889	2893	2898	rVB	409404	592111	16.38%	1.995%
51	20.485	2906	2910	2914	rBV	343985	418726	11.59%	1.411%
52	21.759	3121	3127	3133	rBV3	1102859	2297547	63.57%	7.741%
53	21.824	3134	3138	3149	rVB	882119	1558416	43.12%	5.251%
54	24.045	3508	3516	3523	rBV2	476402	1614360	44.67%	5.439%
55	24.791	3636	3643	3656	rVB3	290024	903392	25.00%	3.044%
56	24.937	3661	3668	3681	rVB	455002	1396993	38.65%	4.707%

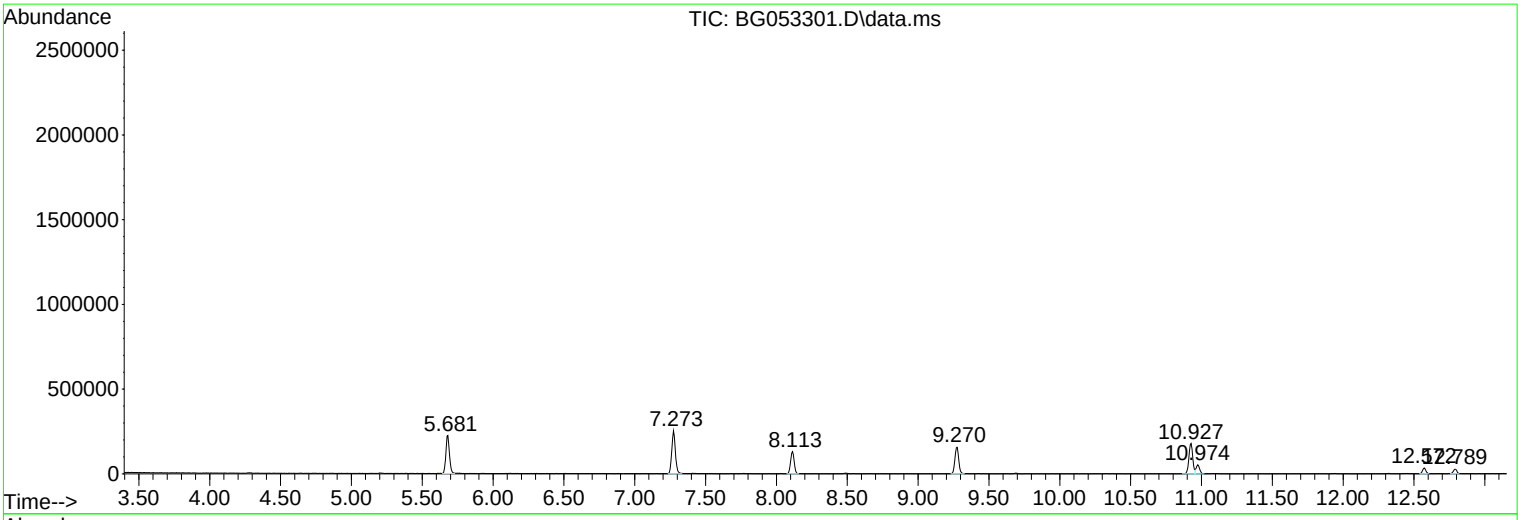
Sum of corrected areas: 29680410

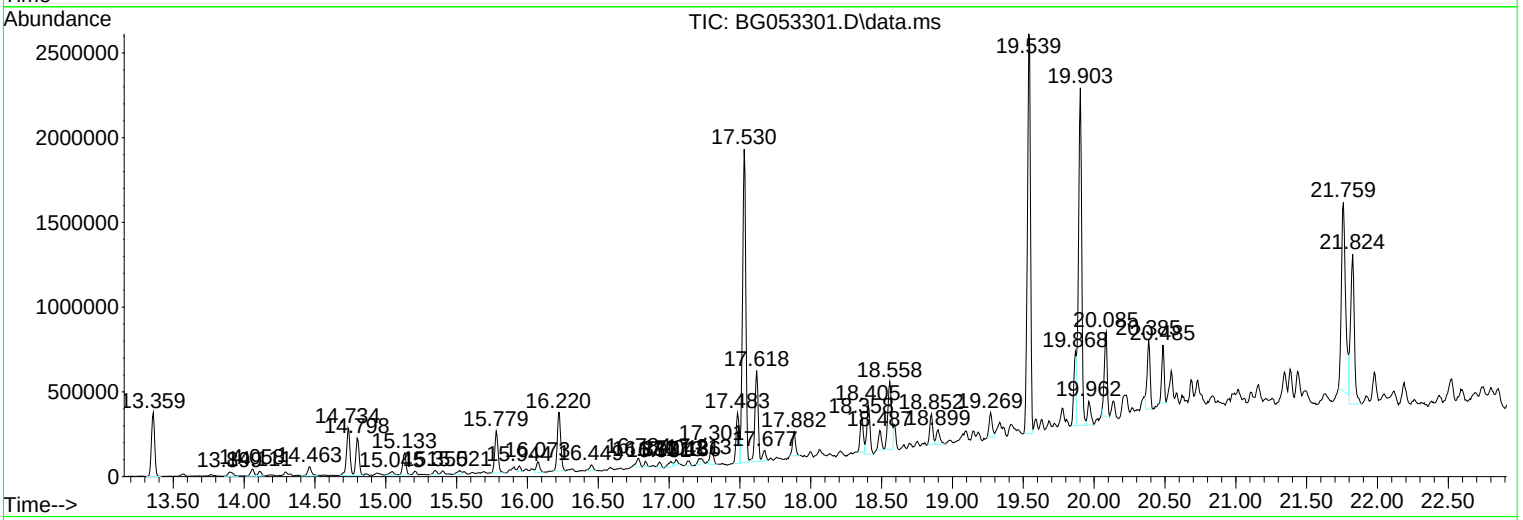
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053301.D
Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

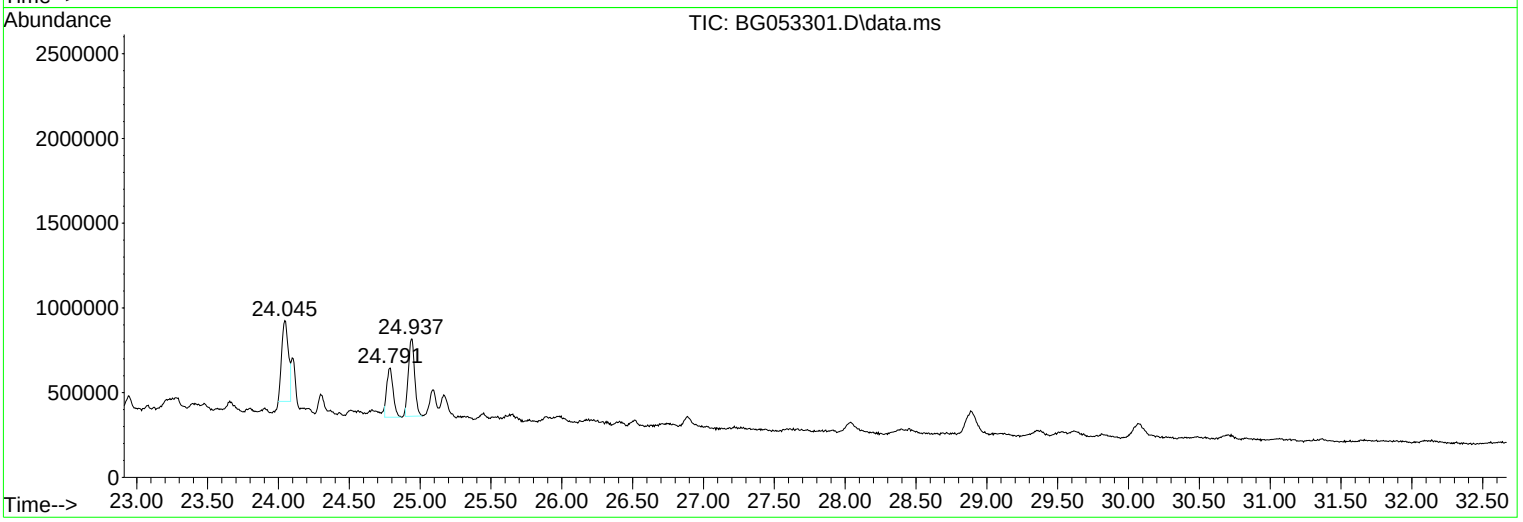
Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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 : BG053301.D
Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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

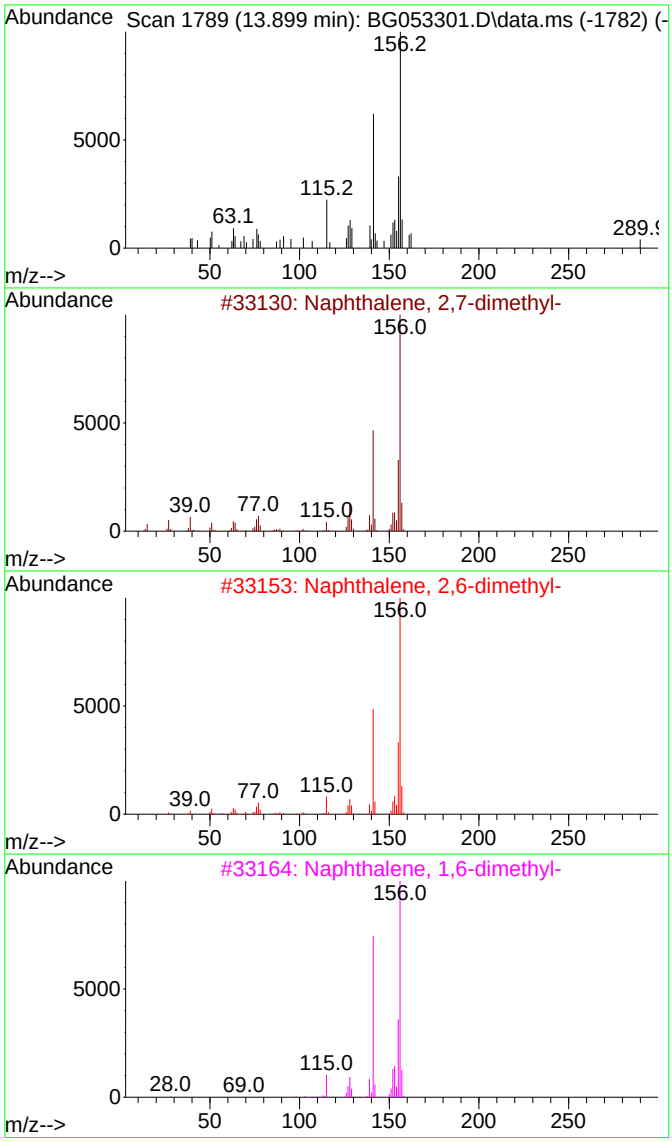
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

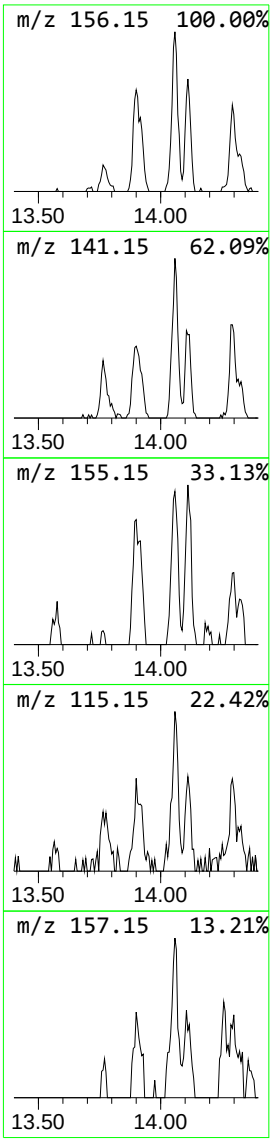
****

Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.900	2.79 ng	66464	Acenaphthene-d10	14.734

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053301.D
Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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

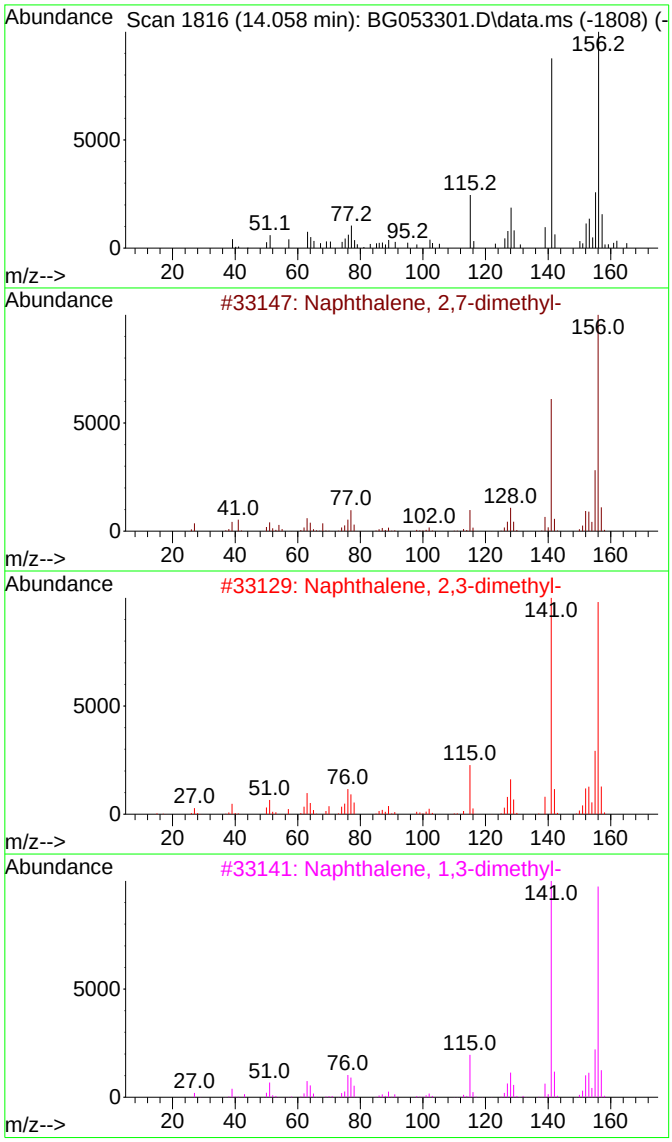
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

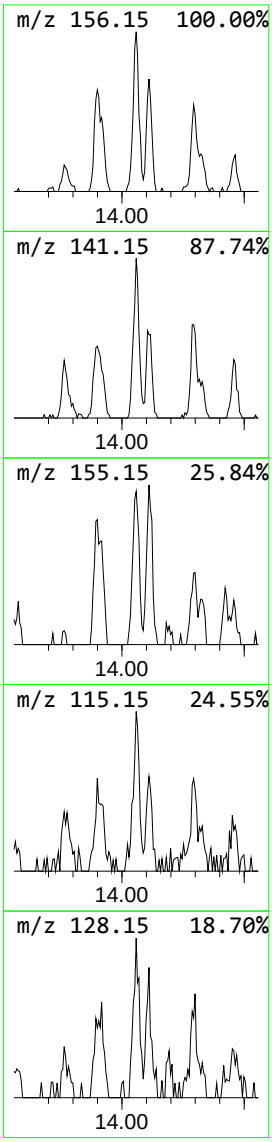
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.058	3.15 ng	75135	Acenaphthene-d10	14.734

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053301.D
Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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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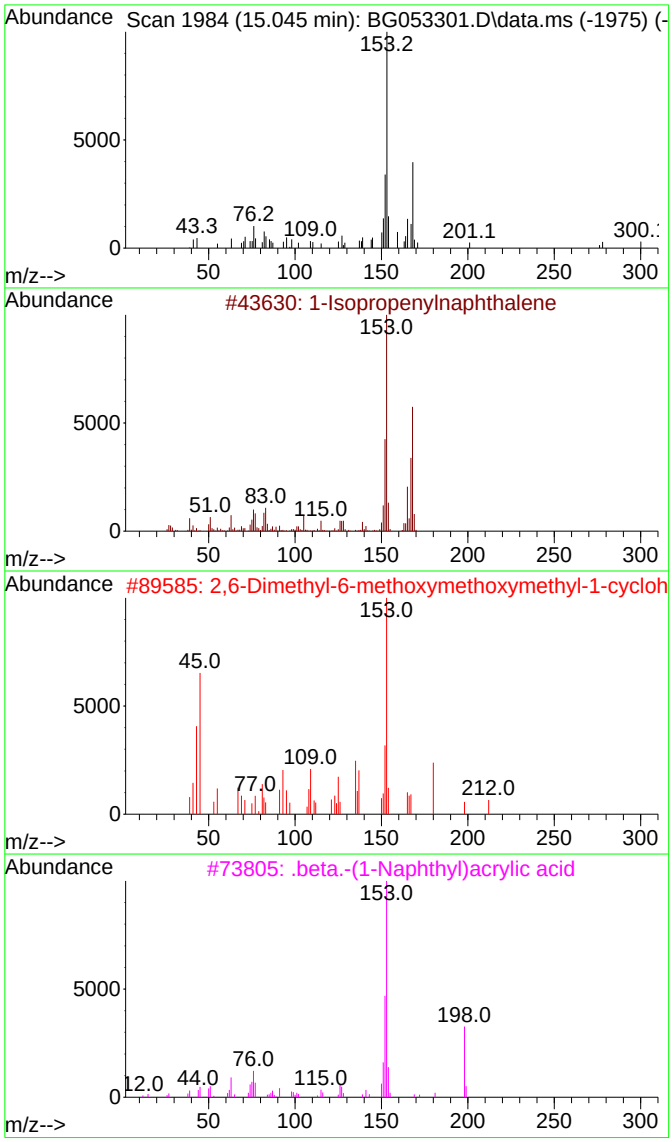
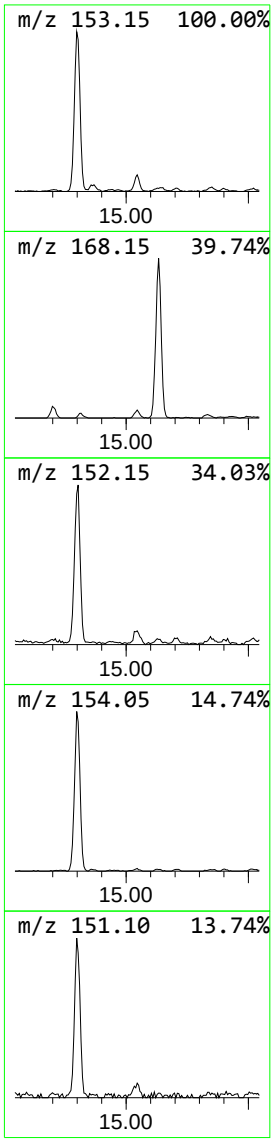
Peak Number 3 1-Isopropenylnaphthalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.045	2.10 ng	50066	Acenaphthene-d10	14.734

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	2,6-Dimethyl-6-methoxymethoxymet...	212	C12H20O3	1000431-31-6	53
3	.beta.-(1-Naphthyl)acrylic acid	198	C13H10O2	013026-12-5	50
4	2-Fluoro-4-methoxyacetophenone	168	C9H9FO2	074457-86-6	50
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053301.D
Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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

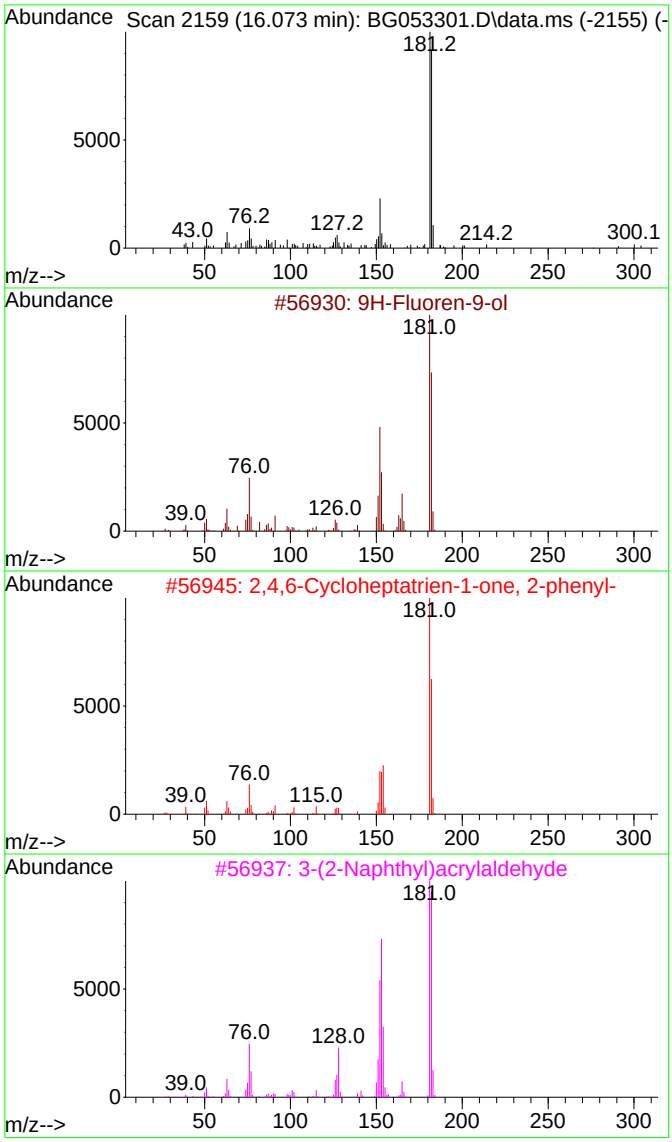
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

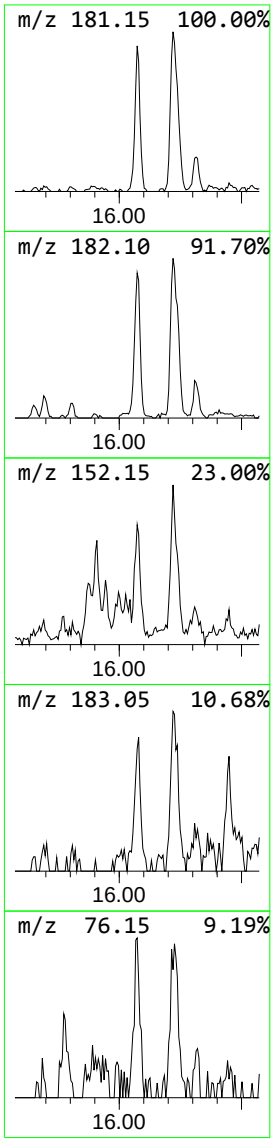
****

Peak Number 4 9H-Fluoren-9-ol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.073	4.33 ng	103064	Acenaphthene-d10	14.734

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
4	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	72
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053301.D
Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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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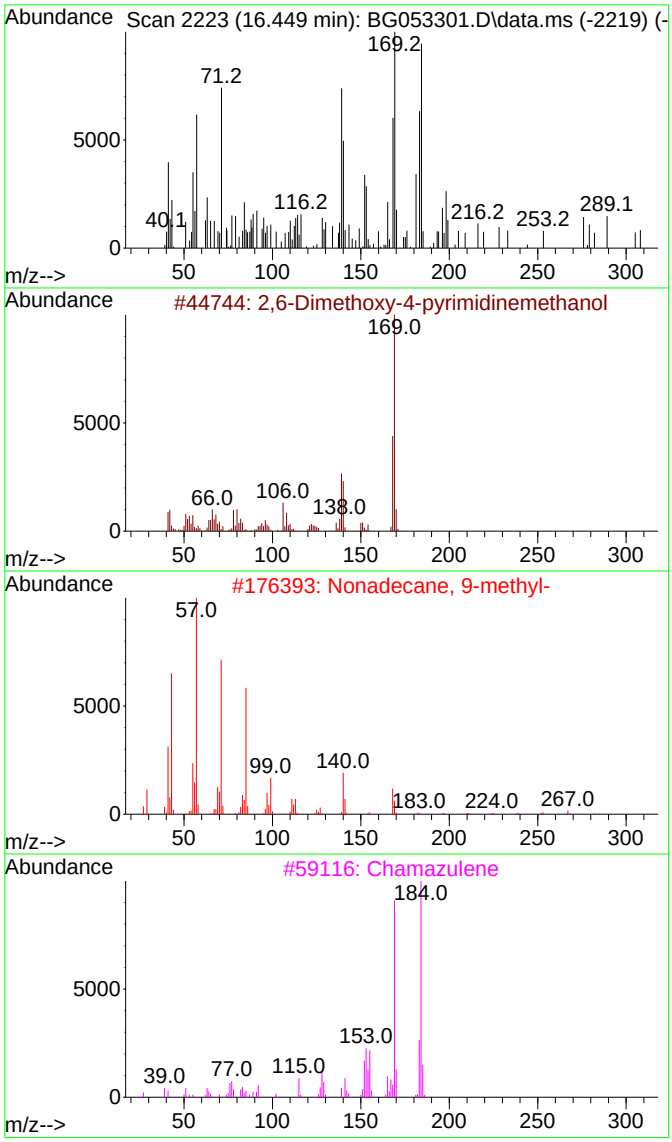
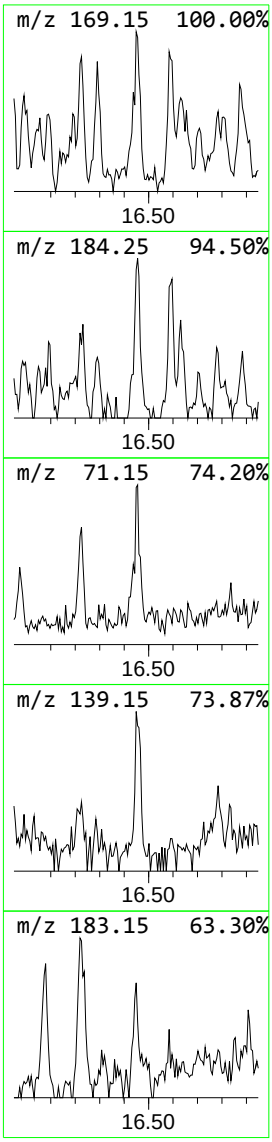
Peak Number 5 unknown16.449 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.449	2.44 ng	57984	Phenanthrene-d10	17.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethoxy-4-pyrimidinemethanol	169	C8H11NO3	052606-06-1	38
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	25
3	Chamazulene	184	C14H16	000529-05-5	25
4	Naphthalene, 1-isocyanato-	169	C11H7NO	000086-84-0	20
5	1H-naphtho[1,2-d]-1,2,3-triazole	169	C10H7N3	1000404-56-6	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053301.D
Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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

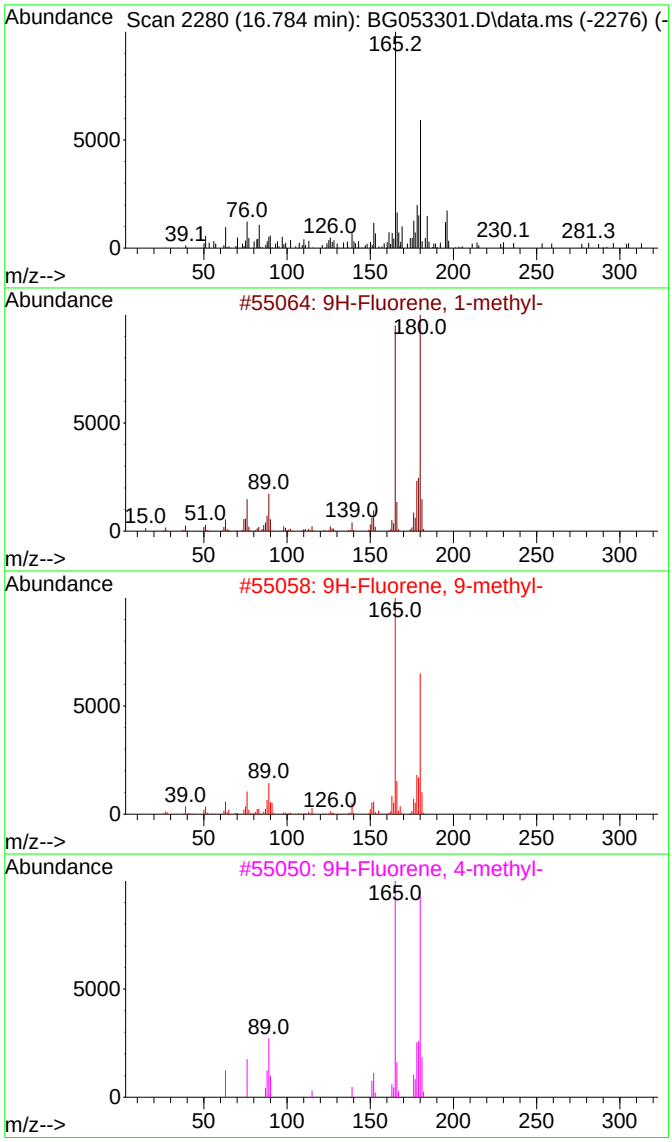
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

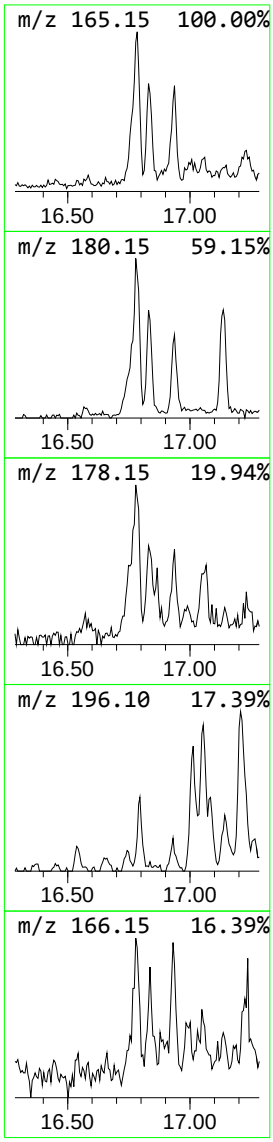
****

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.784	3.46 ng	82162	Phenanthrene-d10	17.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053301.D
Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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

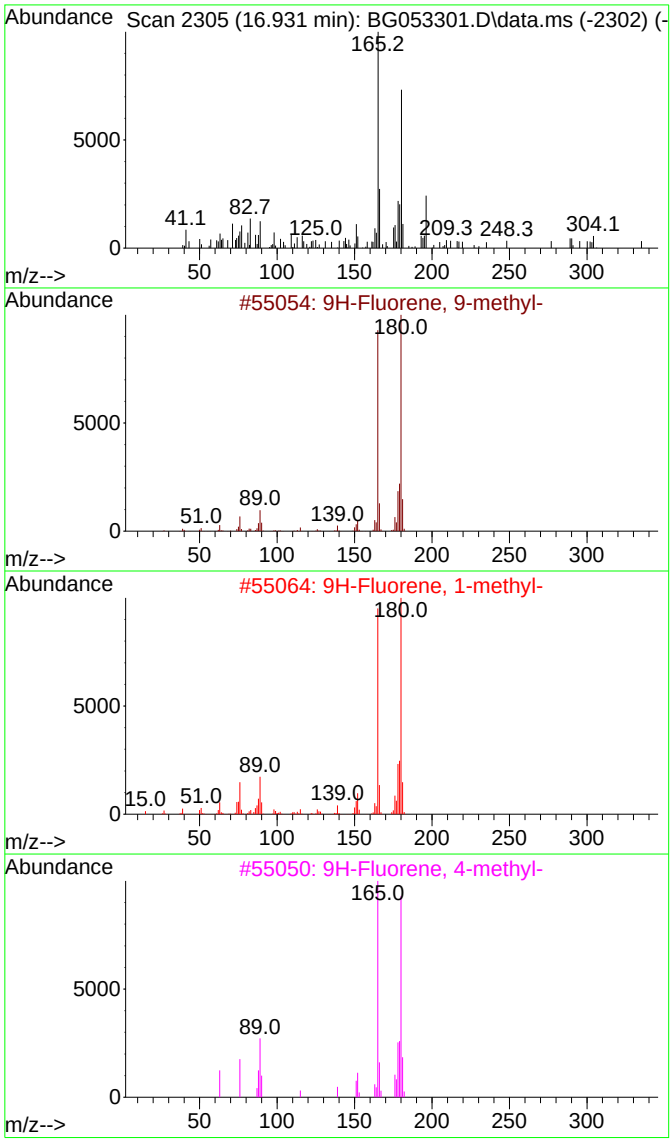
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

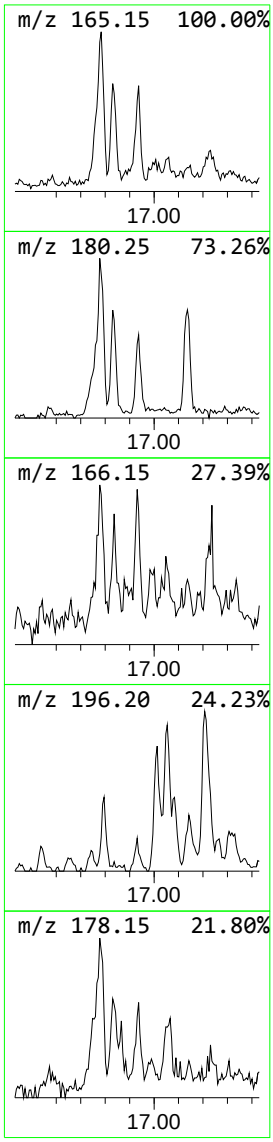
****

Peak Number 7 9H-Fluorene, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.931	2.17 ng	51500	Phenanthrene-d10	17.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	62
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	62
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	58





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Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-02-041922

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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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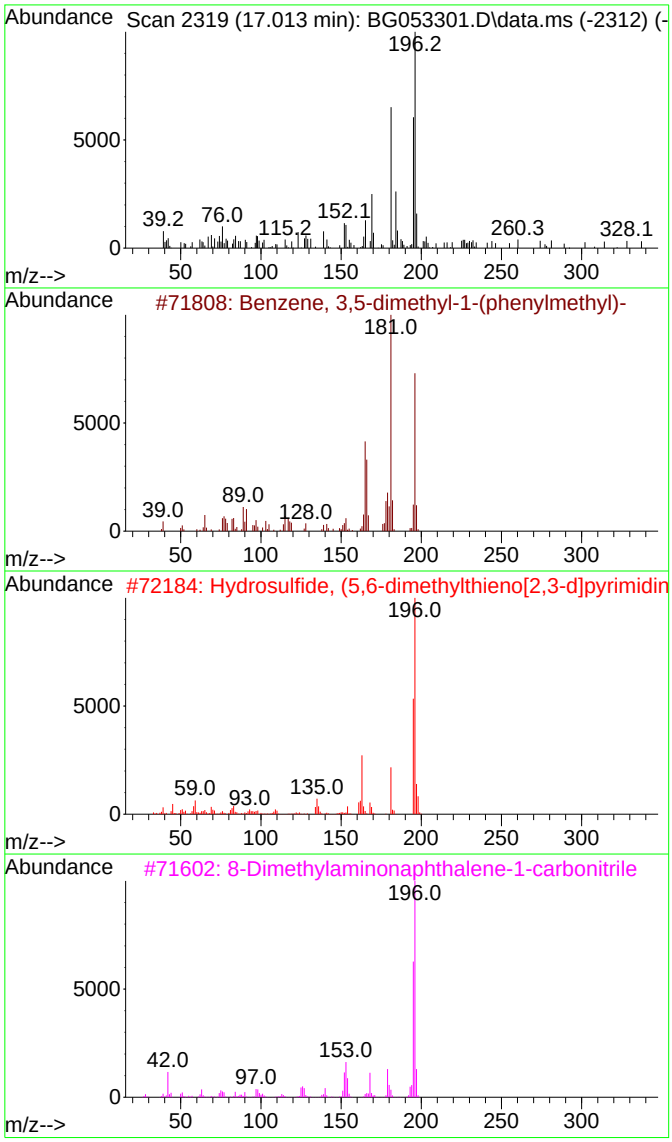
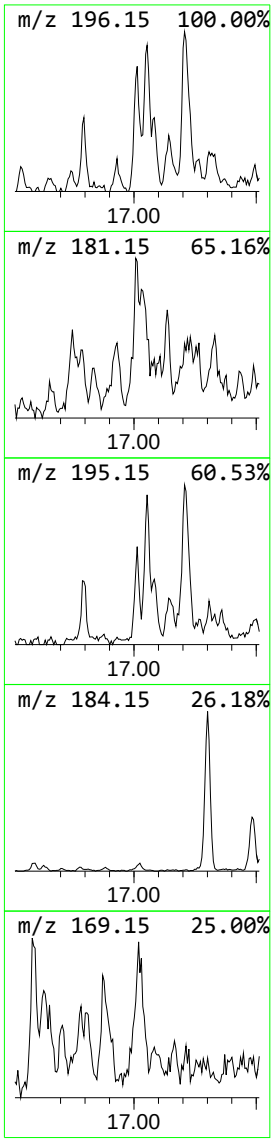
Peak Number 8 unknown17.013 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.013	2.84 ng	67426	Phenanthrene-d10	17.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 3,5-dimethyl-1-(phenylm...	196	C15H16	028122-27-2	47
2	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	47
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	46
4	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	43
5	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	43





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Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-02-041922

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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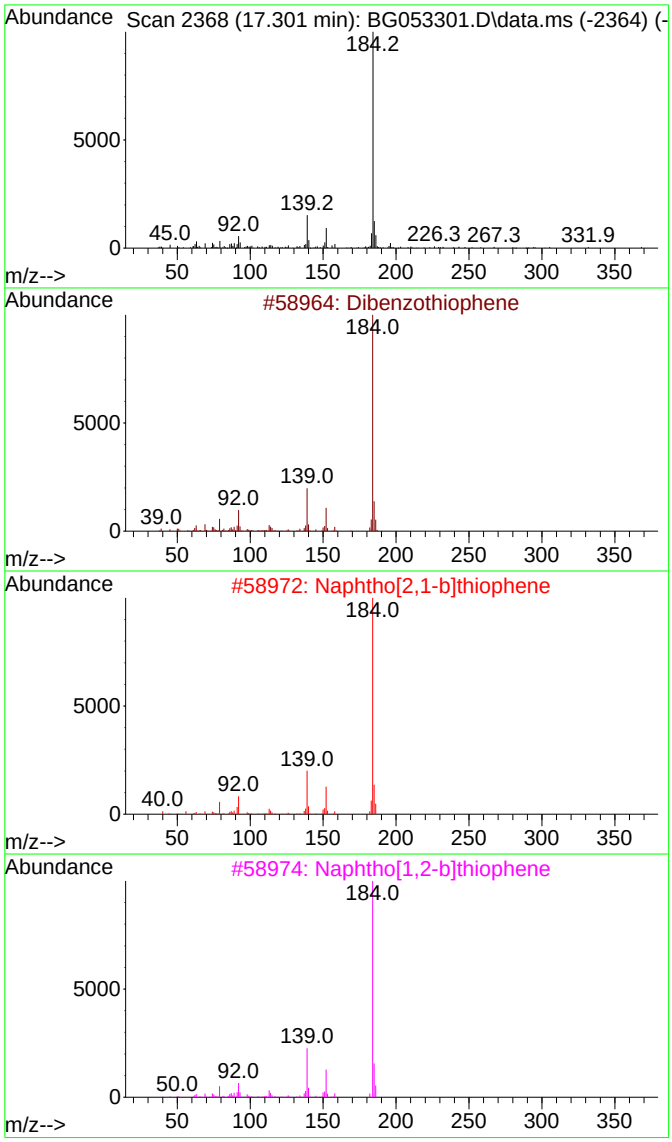
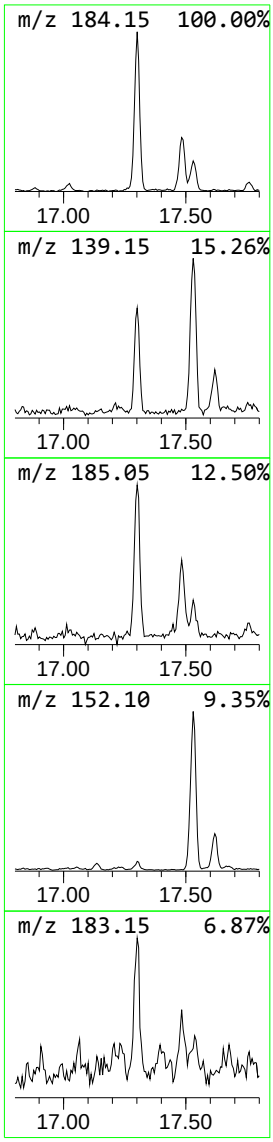
Peak Number 9 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.301	7.50 ng	178067	Phenanthrene-d10	17.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





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Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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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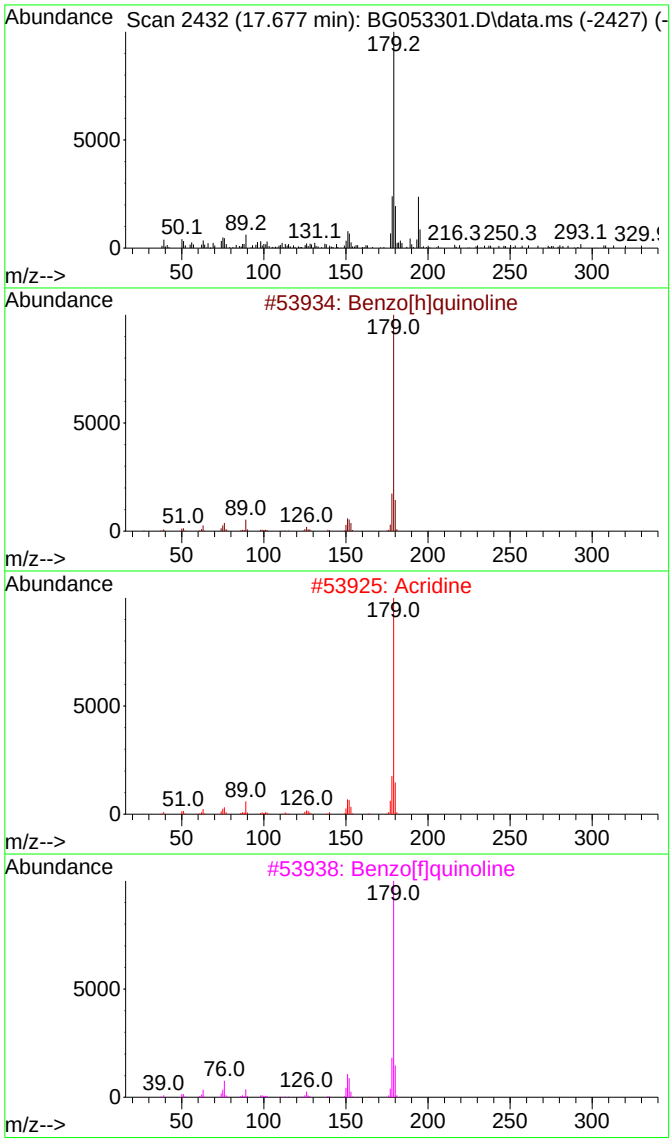
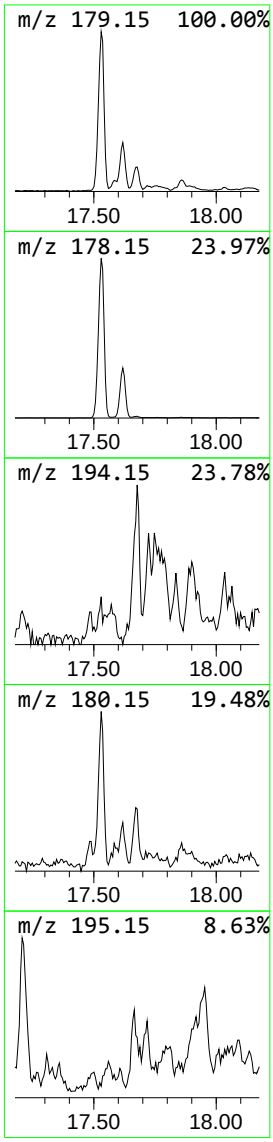
Peak Number 10 Benzo[h]quinoline Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.677	4.16 ng	98735	Phenanthrene-d10	17.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	76
2	Acridine	179	C13H9N	000260-94-6	76
3	Benzo[f]quinoline	179	C13H9N	000085-02-9	76
4	[1,1'-Biphenyl]-2-carbonitrile	179	C13H9N	024973-49-7	70
5	pyridine, 4-(2-phenylethynyl)-	179	C13H9N	1000404-81-1	68





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Acq On : 23 Apr 2022 20:13
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Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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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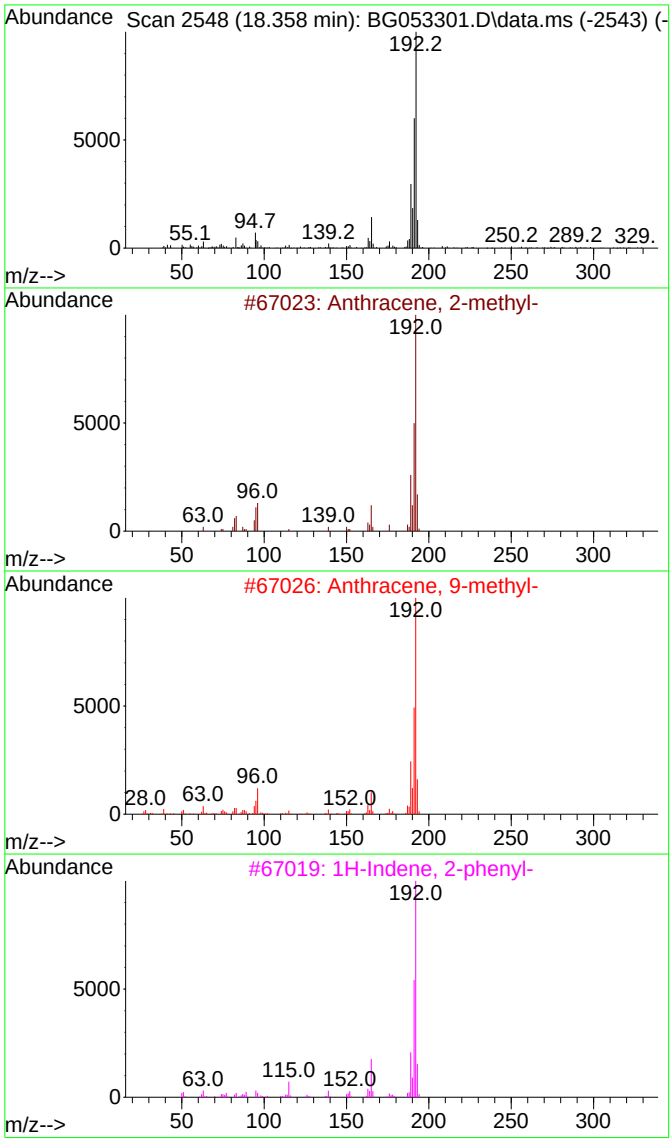
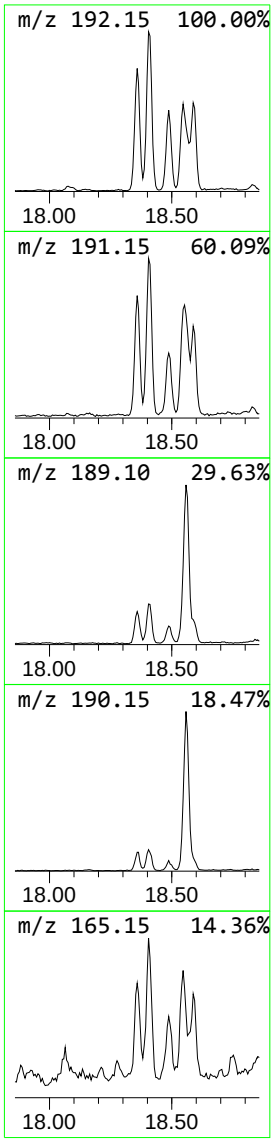
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.358	13.97 ng	331545	Phenanthrene-d10	17.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-02-041922

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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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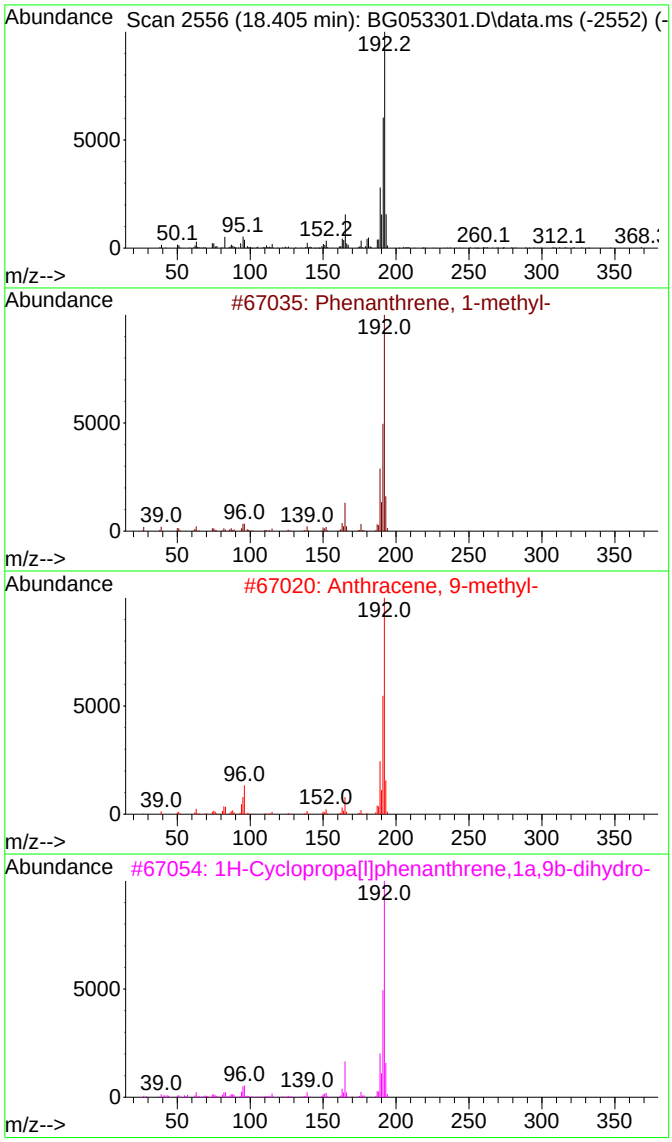
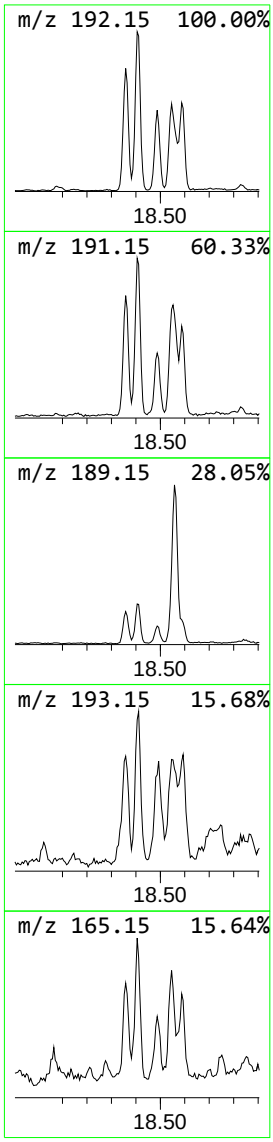
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.405	19.20 ng	455700	Phenanthrene-d10	17.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-02-041922

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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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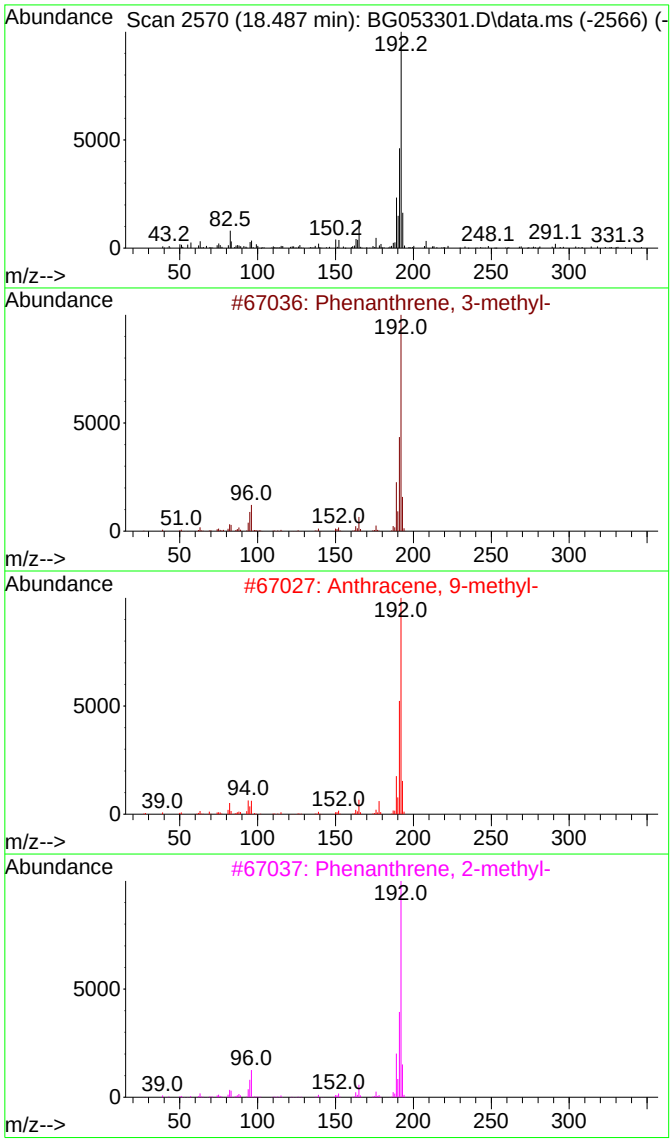
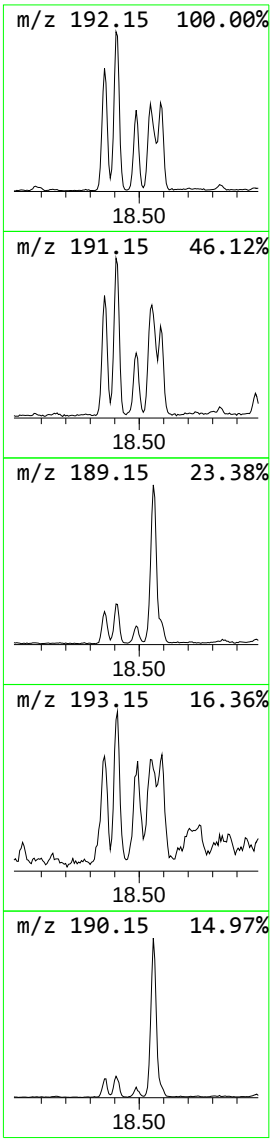
Peak Number 13 Phenanthrene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.487	7.46 ng	177070	Phenanthrene-d10	17.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	93





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Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-02-041922

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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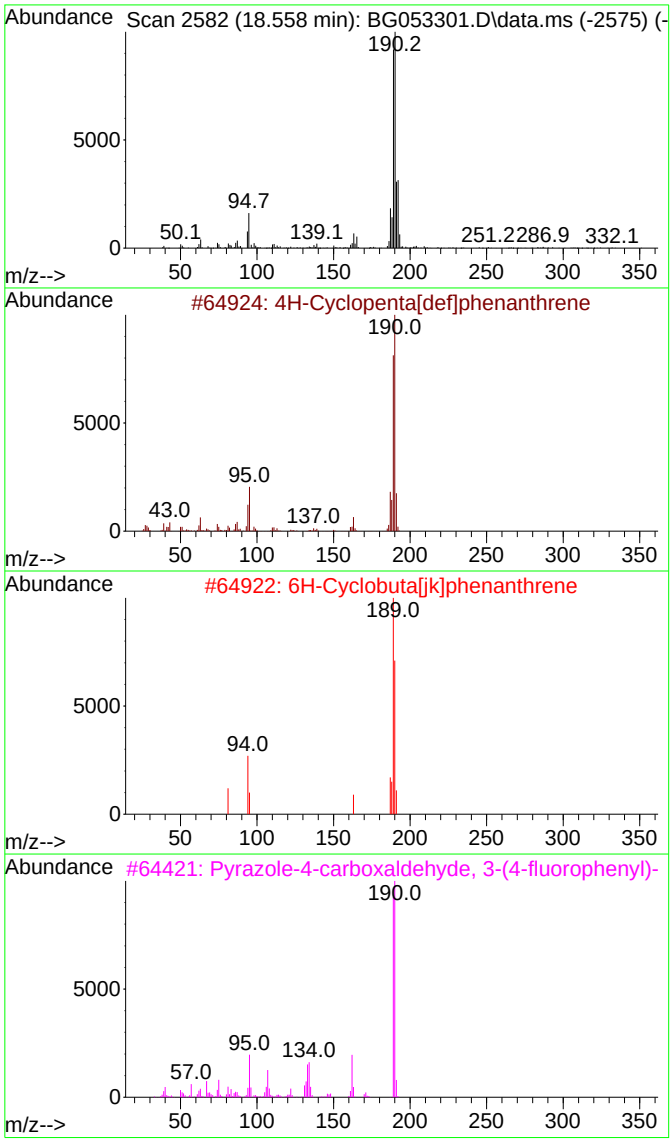
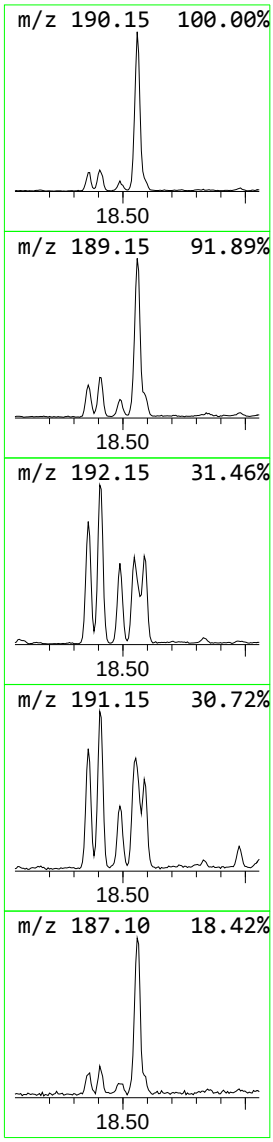
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.558	32.23 ng	765014	Phenanthrene-d10	17.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Methyl diselenide	190	C2H6Se2	007101-31-7	25





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Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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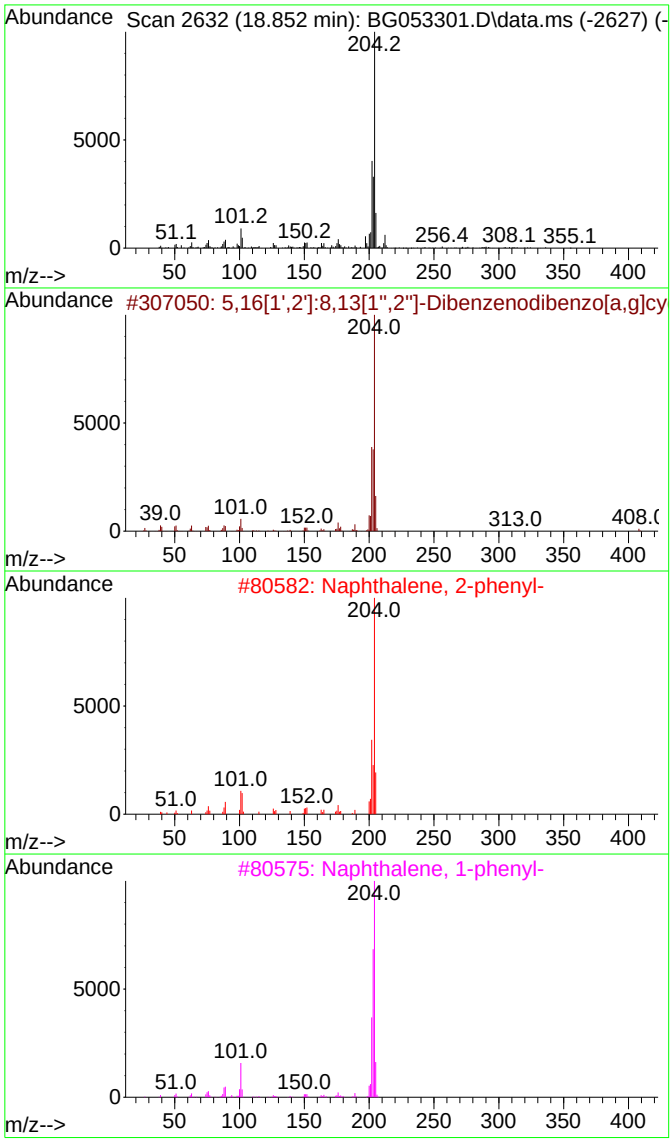
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

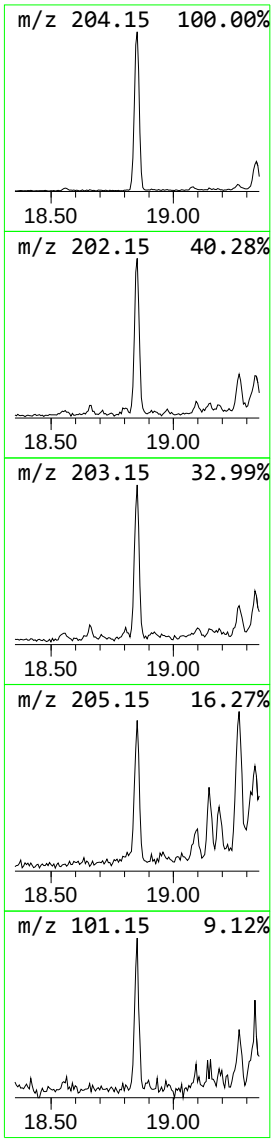
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.852	11.37 ng	269775	Phenanthrene-d10	17.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	46
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





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Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-02-041922

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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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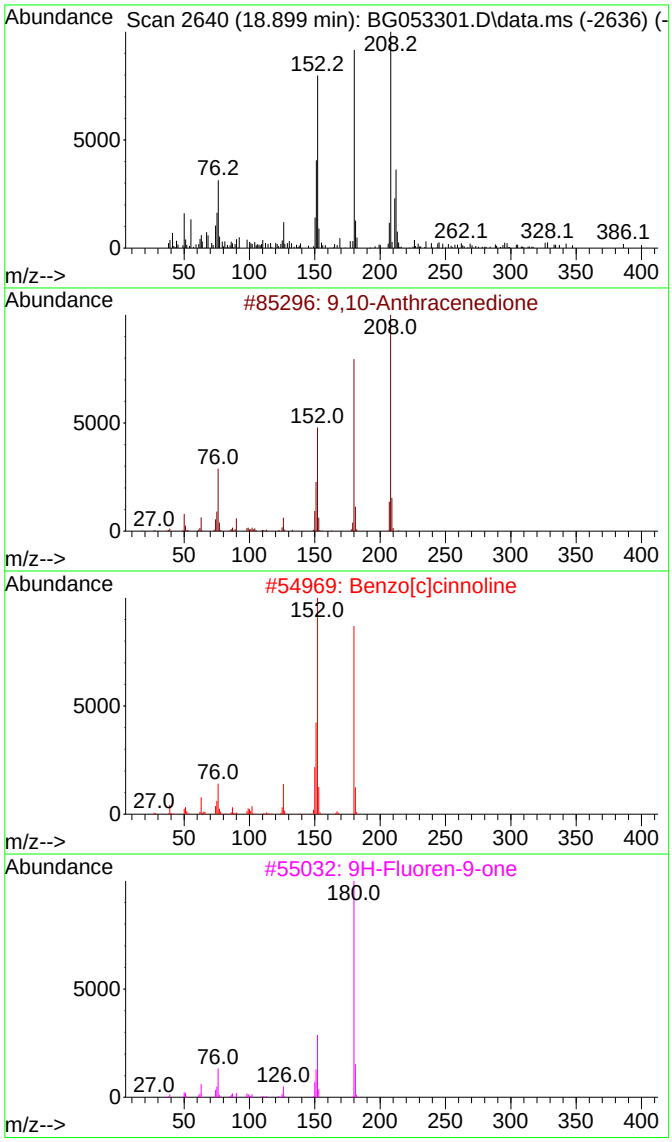
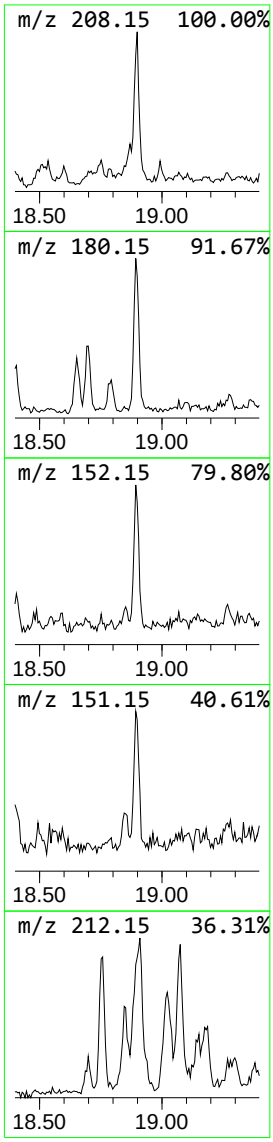
Peak Number 16 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.899	6.63 ng	157335	Phenanthrene-d10	17.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





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Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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

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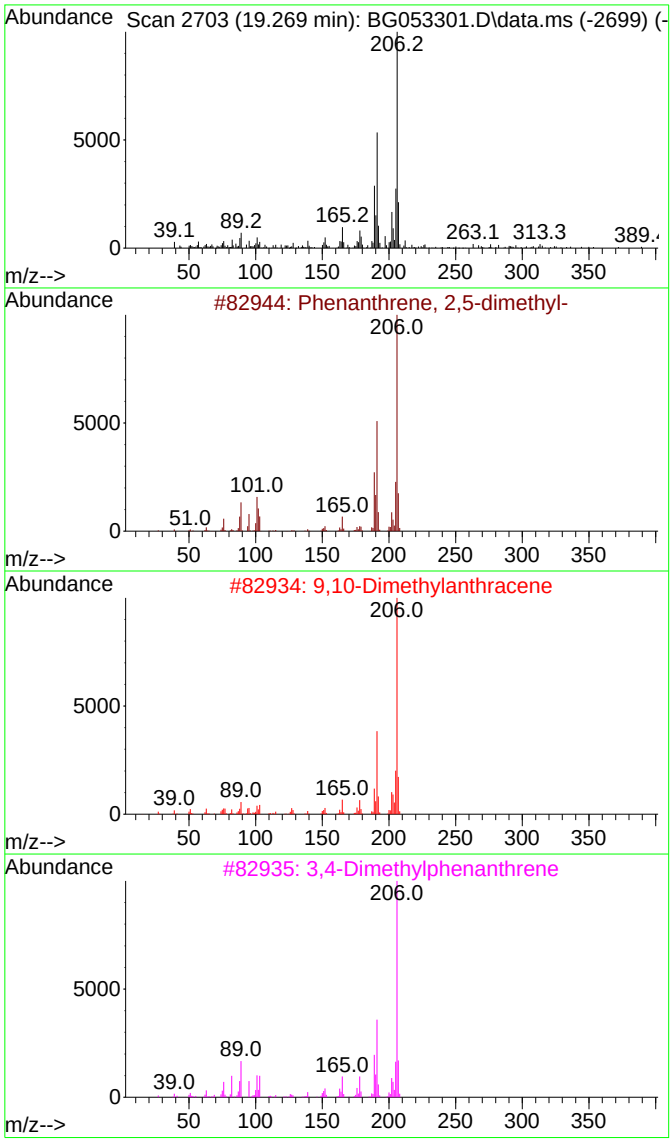
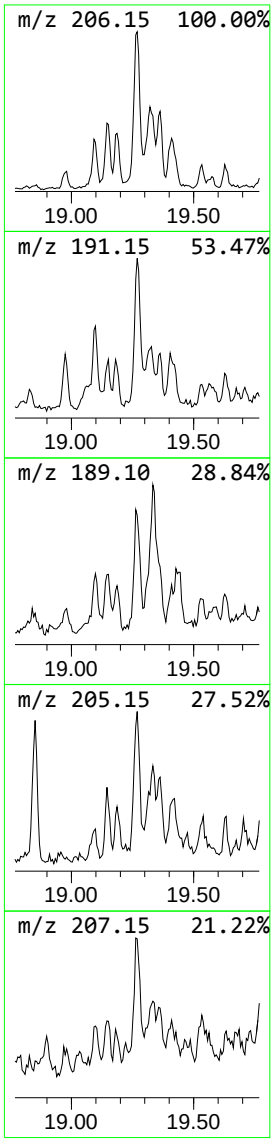
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.269	9.65 ng	229119	Phenanthrene-d10	17.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Operator : CG/JU
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Misc :
ALS Vial : 17 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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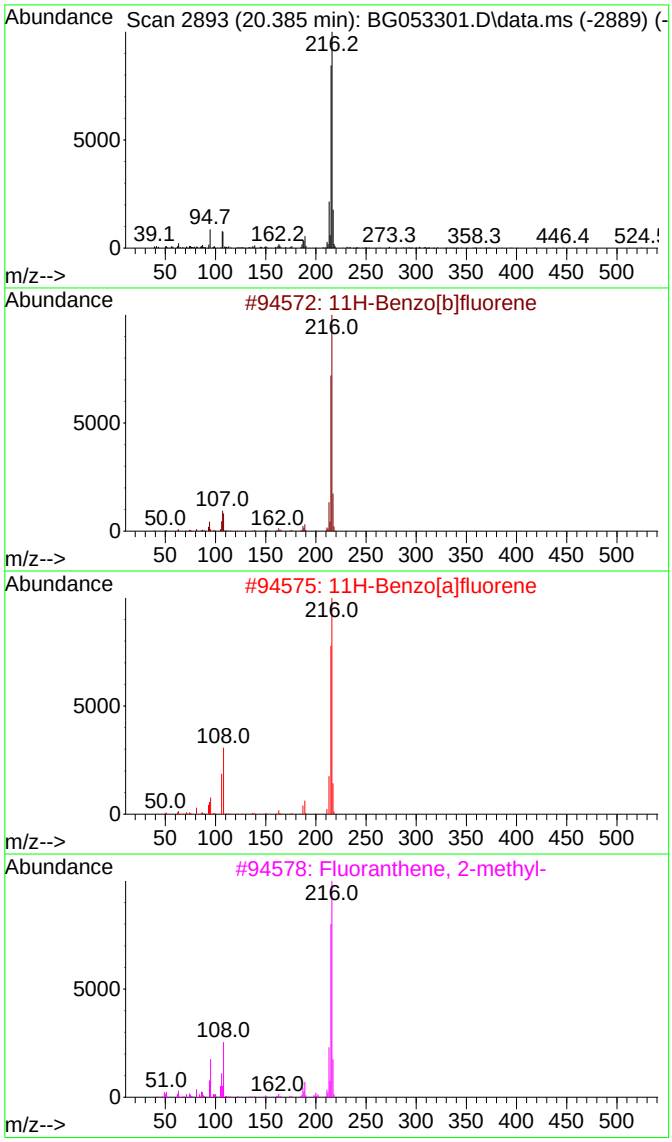
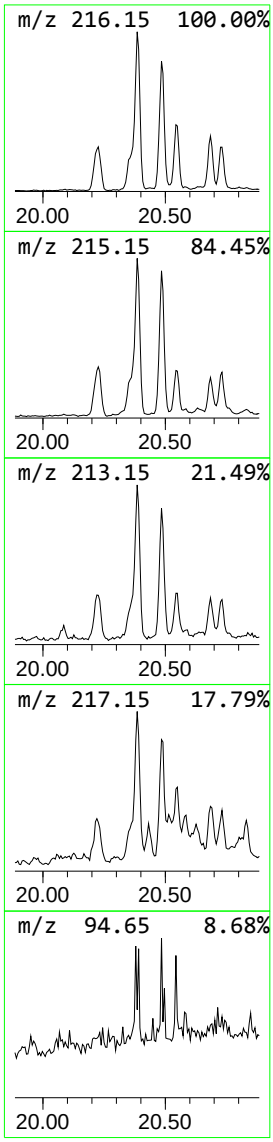
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.385	5.15 ng	592111	Chrysene-d12	21.777

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	3-Trifluoromethylcinnamic acid	216	C10H7F3O2	000779-89-5	59





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Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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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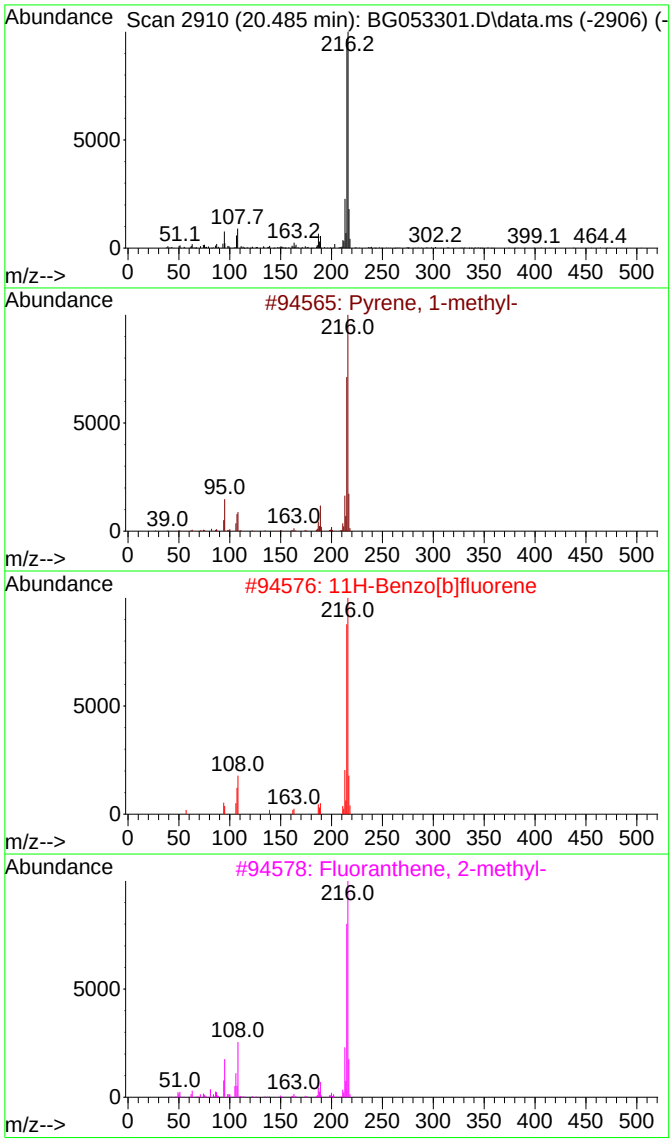
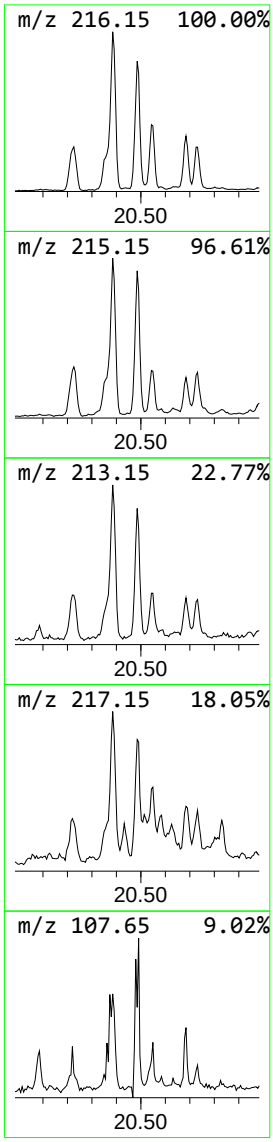
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.485	3.64 ng	418726	Chrysene-d12	21.777

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	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053301.D
Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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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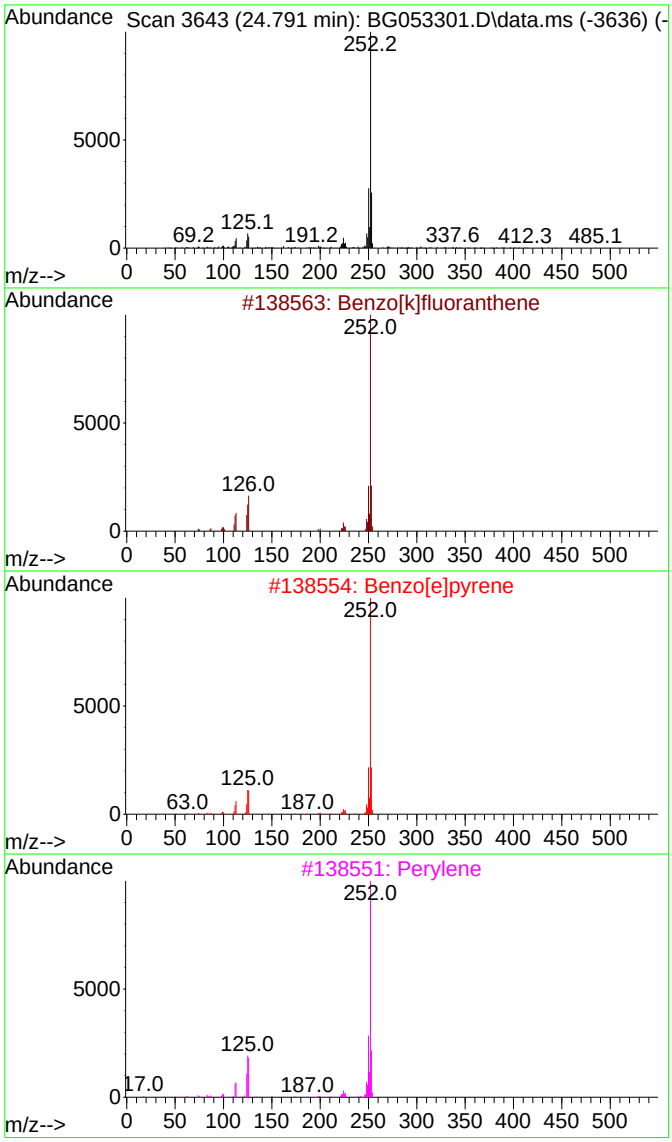
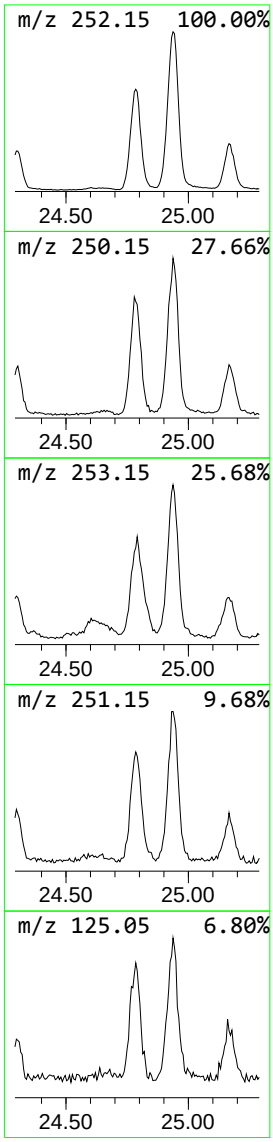
Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.791	12.93 ng	903392	Perylene-d12	25.090

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053301.D
Acq On : 23 Apr 2022 20:13
Operator : CG/JU
Sample : N2476-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-02-041922

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, 2,...	13.900	2.8	ng	66464	3	14.734	476429	20.0
Naphthalene, 2,...	14.058	3.1	ng	75135	3	14.734	476429	20.0
1-Isopropenylna...	15.045	2.1	ng	50066	3	14.734	476429	20.0
9H-Fluoren-9-ol	16.073	4.3	ng	103064	3	14.734	476429	20.0
unknown16.449	16.449	2.4	ng	57984	4	17.483	474660	20.0
9H-Fluorene, 1-...	16.784	3.5	ng	82162	4	17.483	474660	20.0
9H-Fluorene, 9-...	16.931	2.2	ng	51500	4	17.483	474660	20.0
unknown17.013	17.013	2.8	ng	67426	4	17.483	474660	20.0
Dibenzothiophene	17.301	7.5	ng	178067	4	17.483	474660	20.0
Benzo[h]quinoline	17.677	4.2	ng	98735	4	17.483	474660	20.0
Anthracene, 2-m...	18.358	14.0	ng	331545	4	17.483	474660	20.0
Phenanthrene, 1...	18.405	19.2	ng	455700	4	17.483	474660	20.0
Phenanthrene, 3...	18.487	7.5	ng	177070	4	17.483	474660	20.0
4H-Cyclopenta[d...	18.558	32.2	ng	765014	4	17.483	474660	20.0
5,16[1',2']:8,1...	18.852	11.4	ng	269775	4	17.483	474660	20.0
9,10-Anthracene...	18.899	6.6	ng	157335	4	17.483	474660	20.0
Phenanthrene, 2...	19.269	9.7	ng	229119	4	17.483	474660	20.0
11H-Benzo[b]flu...	20.385	5.2	ng	592111	5	21.777	2297550	20.0
Pyrene, 1-methyl-	20.485	3.6	ng	418726	5	21.777	2297550	20.0
Benzo[e]pyrene	24.791	12.9	ng	903392	6	25.090	1396990	20.0