LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
Data File : BG054106.D
Acq On : 28 Jun 2022 00:22
Operator : CG/JU
Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-2-3-5-20220622

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-BG061322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054106.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.639	376	383	393	rBV	275759	472304	24.43%	2.044%
2	7.231	646	654	665	rBV	306391	554320	28.67%	2.399%
3	8.071	790	797	804	rBV	78255	137933	7.13%	0.597%
4	9.229	987	994	1002	rBV	189584	352759	18.24%	1.527%
5	10.880	1264	1275	1280	rBV	115316	218941	11.32%	0.948%
6	10.927	1280	1283	1291	rVB	20545	36263	1.88%	0.157%
7	13.318	1683	1690	1701	rBV	585547	965783	49.95%	4.180%
8	14.699	1916	1925	1930	rBV	215388	355178	18.37%	1.537%
9	14.757	1930	1935	1942	rVB	45478	72760	3.76%	0.315%
10	15.092	1985	1992	1999	rBV2	19848	29750	1.54%	0.129%
11	15.739	2095	2102	2109	rBV2	35212	52969	2.74%	0.229%
12	16.179	2170	2177	2190	rBV	464749	738603	38.20%	3.197%
13	16.397	2205	2214	2223	rBV4	8924	23188	1.20%	0.100%
14	17.090	2327	2332	2339	rVB	21353	33676	1.74%	0.146%
15	17.190	2342	2349	2353	rVV4	13134	24983	1.29%	0.108%
16	17.254	2355	2360	2368	rVB	17822	32695	1.69%	0.142%
17	17.437	2385	2391	2395	rBV	292425	491118	25.40%	2.126%
18	17.484	2395	2399	2405	rVV	418778	655476	33.90%	2.837%
19	17.572	2405	2414	2419	rVV	103931	172269	8.91%	0.746%
20	17.836	2451	2459	2464	rBV2	68312	121683	6.29%	0.527%
21	18.100	2500	2504	2511	rVB3	16845	23525	1.22%	0.102%
22	18.318	2530	2541	2545	rBV	49944	93691	4.85%	0.406%
23	18.365	2545	2549	2555	rVB	69549	107234	5.55%	0.464%
24	18.441	2556	2562	2568	rBV	24233	40292	2.08%	0.174%
25	18.512	2568	2574	2578	rBV2	93664	173104	8.95%	0.749%
26	18.811	2619	2625	2628	rBV	45435	68669	3.55%	0.297%
27	18.847	2628	2631	2640	rVB	33849	53040	2.74%	0.230%
28	19.052	2653	2666	2670	rBV3	16983	37527	1.94%	0.162%
29	19.229	2690	2696	2701	rBV2	24954	51951	2.69%	0.225%
30	19.370	2715	2720	2728	rVB	30429	53254	2.75%	0.231%
31	19.493	2734	2741	2747	rBV	1107636	1637967	84.71%	7.090%
32	19.587	2753	2757	2761	rVB	25342	40091	2.07%	0.174%
33	19.675	2768	2772	2775	rBV5	11982	20374	1.05%	0.088%
34	19.734	2775	2782	2786	rVV2	29834	53728	2.78%	0.233%
35	19.851	2791	2802	2809	rBV2	889928	1771686	91.63%	7.668%
36	19.916	2809	2813	2816	rBV	38880	50722	2.62%	0.220%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
Data File : BG054106.D
Acq On : 28 Jun 2022 00:22
Operator : CG/JU
Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-2-3-5-20220622

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-BG061322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.957	2816	2820	2824	rVB	41647	56961	2.95%	0.247%
38	20.045	2827	2835	2840	rBV	1214803	1683761	87.08%	7.288%
39	20.086	2840	2842	2849	rVB	71264	95323	4.93%	0.413%
40	20.174	2850	2857	2863	rBV3	61559	169576	8.77%	0.734%
41	20.221	2863	2865	2870	rVB	27003	33801	1.75%	0.146%
42	20.304	2872	2879	2880	rBV3	50636	76574	3.96%	0.331%
43	20.339	2881	2885	2890	rVB	175777	273758	14.16%	1.185%
44	20.439	2897	2902	2906	rBV	145875	215775	11.16%	0.934%
45	20.498	2906	2912	2916	rVV2	79229	156799	8.11%	0.679%
46	20.533	2916	2918	2923	rVB	62368	77862	4.03%	0.337%
47	20.580	2923	2926	2930	rVB2	26229	32233	1.67%	0.140%
48	20.639	2932	2936	2939	rBV	44250	59990	3.10%	0.260%
49	20.686	2939	2944	2948	rBV2	45966	62461	3.23%	0.270%
50	20.903	2977	2981	2982	rBV3	17150	21820	1.13%	0.094%
51	20.979	2990	2994	2998	rVB3	23778	33223	1.72%	0.144%
52	21.062	3003	3008	3011	rBV5	22582	40723	2.11%	0.176%
53	21.103	3011	3015	3021	rVB	76128	127956	6.62%	0.554%
54	21.291	3039	3047	3051	rBV2	107855	220624	11.41%	0.955%
55	21.338	3051	3055	3059	rVV2	101749	209918	10.86%	0.909%
56	21.385	3059	3063	3068	rVV2	111688	228483	11.82%	0.989%
57	21.438	3068	3072	3084	rVB2	93849	182934	9.46%	0.792%
58	21.573	3086	3095	3103	rBV2	35479	113345	5.86%	0.491%
59	21.702	3105	3117	3123	rVV3	737427	1933573	100.00%	8.369%
60	21.761	3123	3127	3139	rVB	508271	948605	49.06%	4.106%
61	21.914	3148	3153	3160	rBV	113938	213225	11.03%	0.923%
62	22.055	3172	3177	3183	rVB	63924	123910	6.41%	0.536%
63	22.119	3183	3188	3196	rVV2	96341	195904	10.13%	0.848%
64	22.190	3197	3200	3213	rVB9	22118	48830	2.53%	0.211%
65	22.454	3237	3245	3251	rVV2	72040	165424	8.56%	0.716%
66	22.525	3253	3257	3264	rVB	52271	100314	5.19%	0.434%
67	22.666	3277	3281	3286	rVB3	26472	46783	2.42%	0.202%
68	22.730	3286	3292	3295	rVV	46841	94000	4.86%	0.407%
69	22.771	3296	3299	3307	rVB5	60561	125161	6.47%	0.542%
70	22.865	3309	3315	3323	rBV4	39305	94841	4.90%	0.411%
71	23.124	3353	3359	3363	rBV2	25858	59299	3.07%	0.257%
72	23.941	3488	3498	3506	rBV	383472	1374332	71.08%	5.949%
73	24.193	3536	3541	3549	rVB	57612	130127	6.73%	0.563%
74	24.399	3571	3576	3583	rBV5	26414	76020	3.93%	0.329%
75	24.669	3614	3622	3636	rVB	223612	718443	37.16%	3.110%
76	24.816	3637	3647	3661	rBV	287406	855507	44.24%	3.703%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
Data File : BG054106.D
Acq On : 28 Jun 2022 00:22
Operator : CG/JU
Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

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-BG061322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	24.975	3664	3674	3681	rBV	188559	597553	30.90%	2.586%
78	25.756	3802	3807	3809	rBV5	12024	21184	1.10%	0.092%
79	25.868	3819	3826	3832	rBV10	12200	32471	1.68%	0.141%
80	26.162	3870	3876	3880	rBV8	12737	30656	1.59%	0.133%
81	26.367	3907	3911	3919	rVB4	16770	41067	2.12%	0.178%
82	28.694	4294	4307	4327	rVB4	118611	636733	32.93%	2.756%
83	29.857	4488	4505	4517	rBV2	86737	446223	23.08%	1.931%

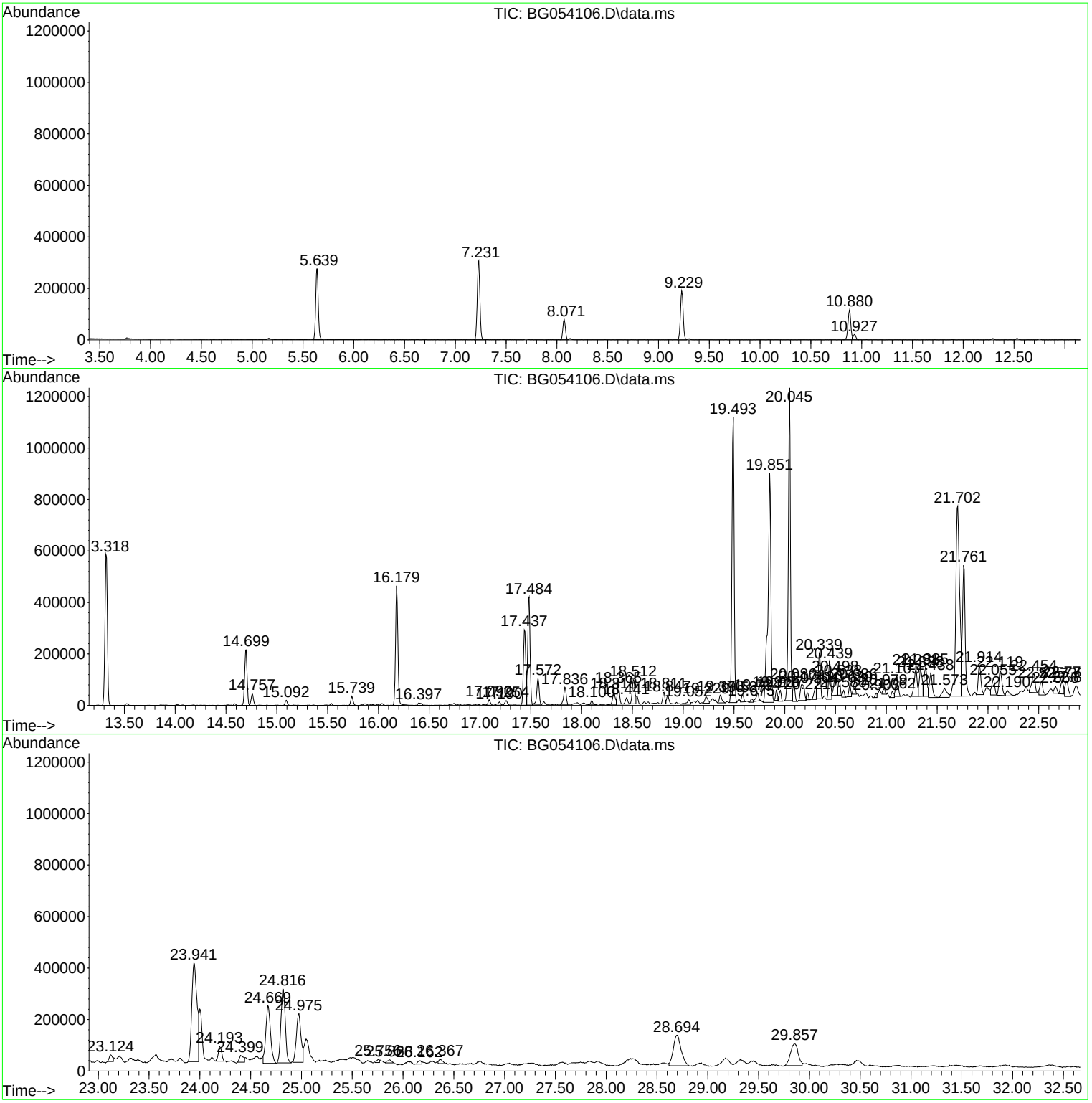
Sum of corrected areas: 23103591

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
Data File : BG054106.D
Acq On : 28 Jun 2022 00:22
Operator : CG/JU
Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.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\BG062722\
Data File : BG054106.D
Acq On : 28 Jun 2022 00:22
Operator : CG/JU
Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

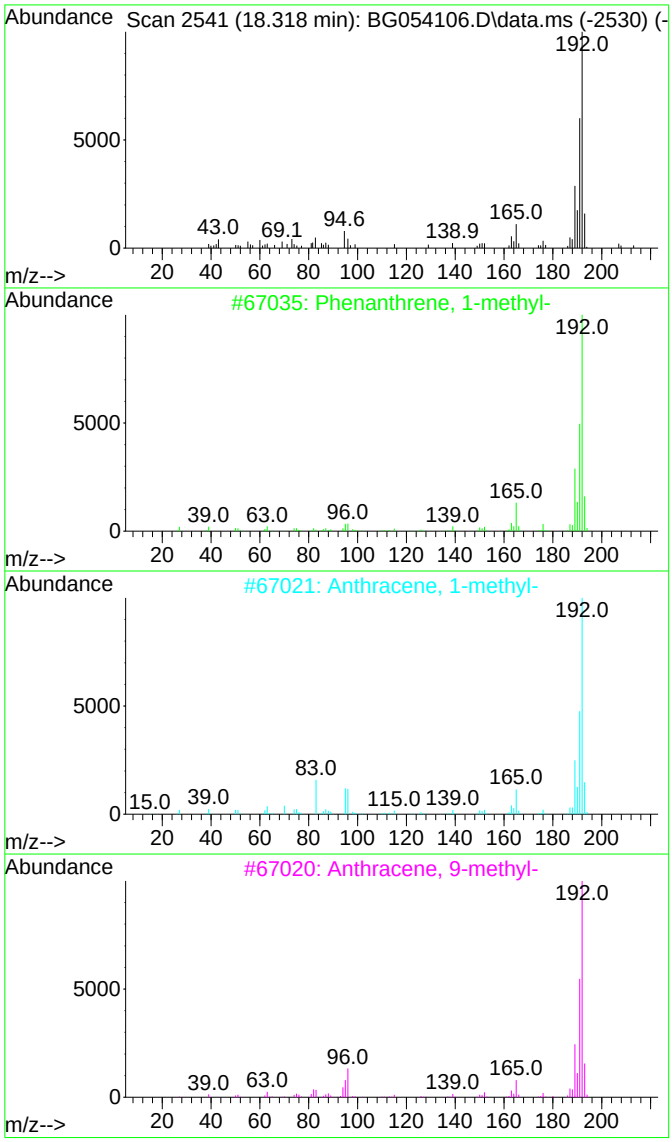
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

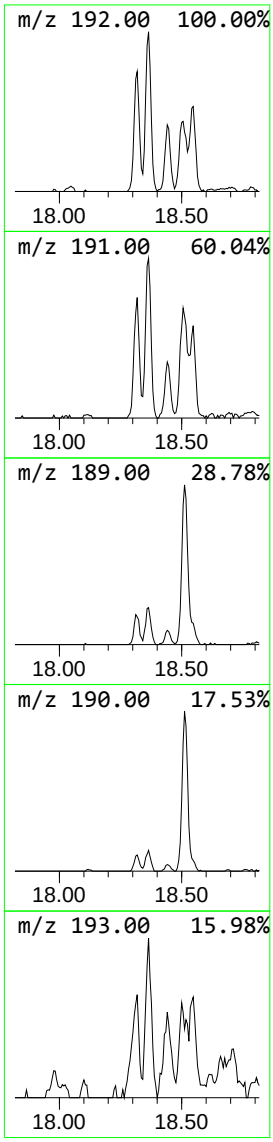
****

Peak Number 1 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.318	3.82 ng	93691	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
Data File : BG054106.D
Acq On : 28 Jun 2022 00:22
Operator : CG/JU
Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

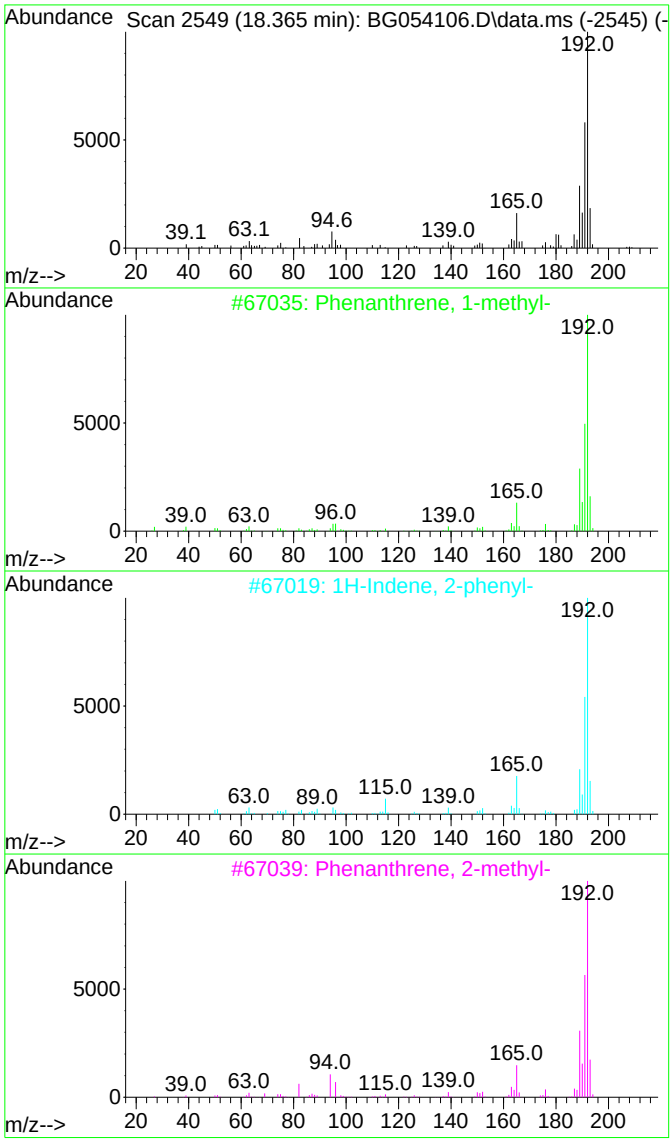
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

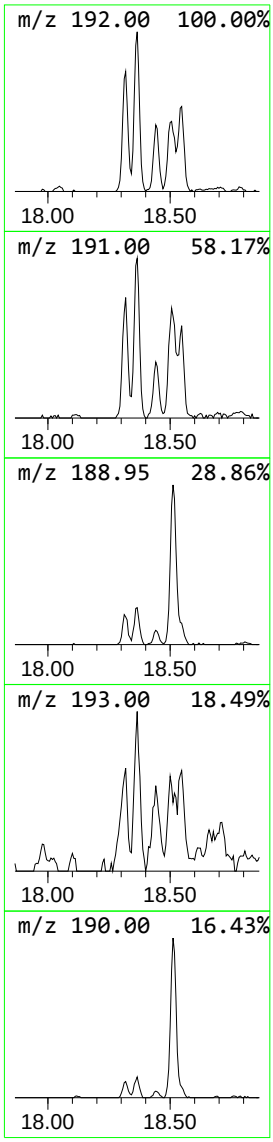
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.365	4.37 ng	107234	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
Data File : BG054106.D
Acq On : 28 Jun 2022 00:22
Operator : CG/JU
Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

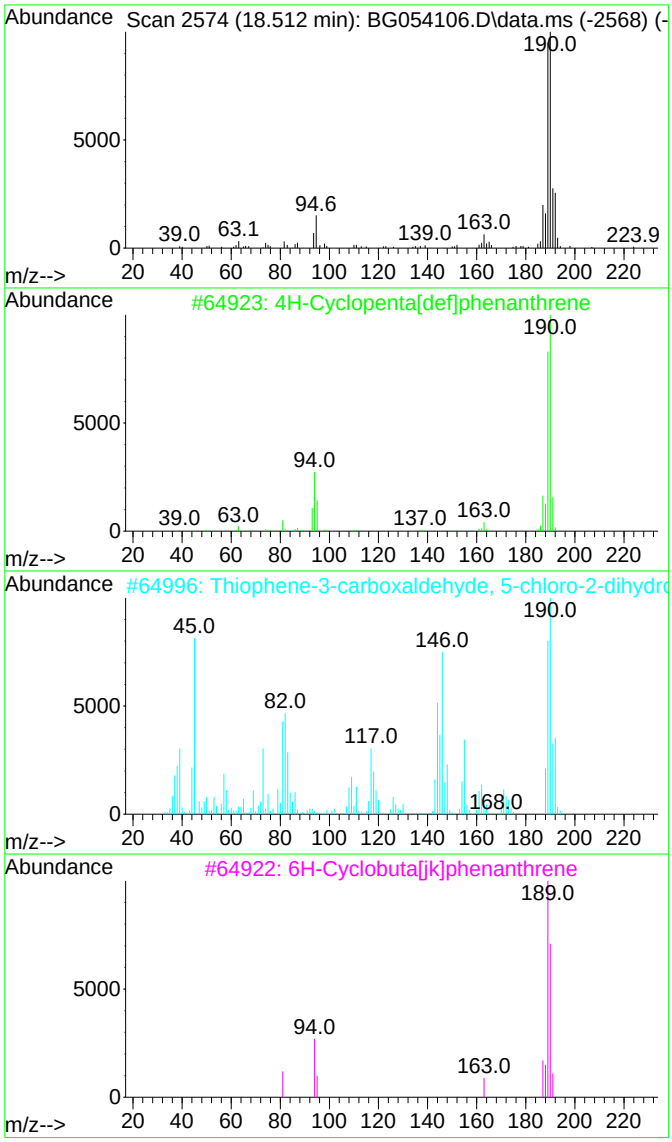
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

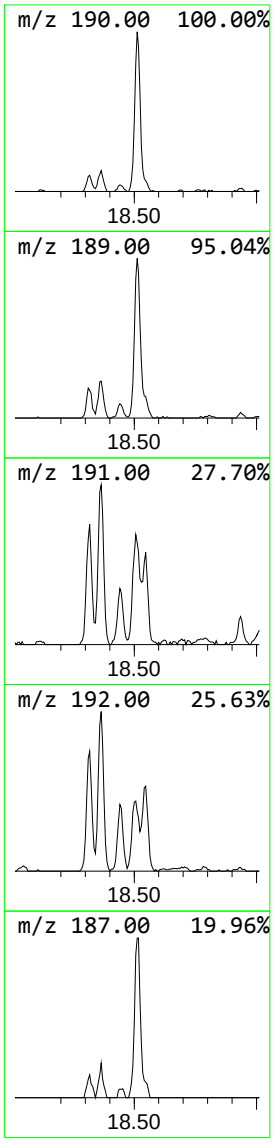
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.512	7.05 ng	173104	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
Data File : BG054106.D
Acq On : 28 Jun 2022 00:22
Operator : CG/JU
Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

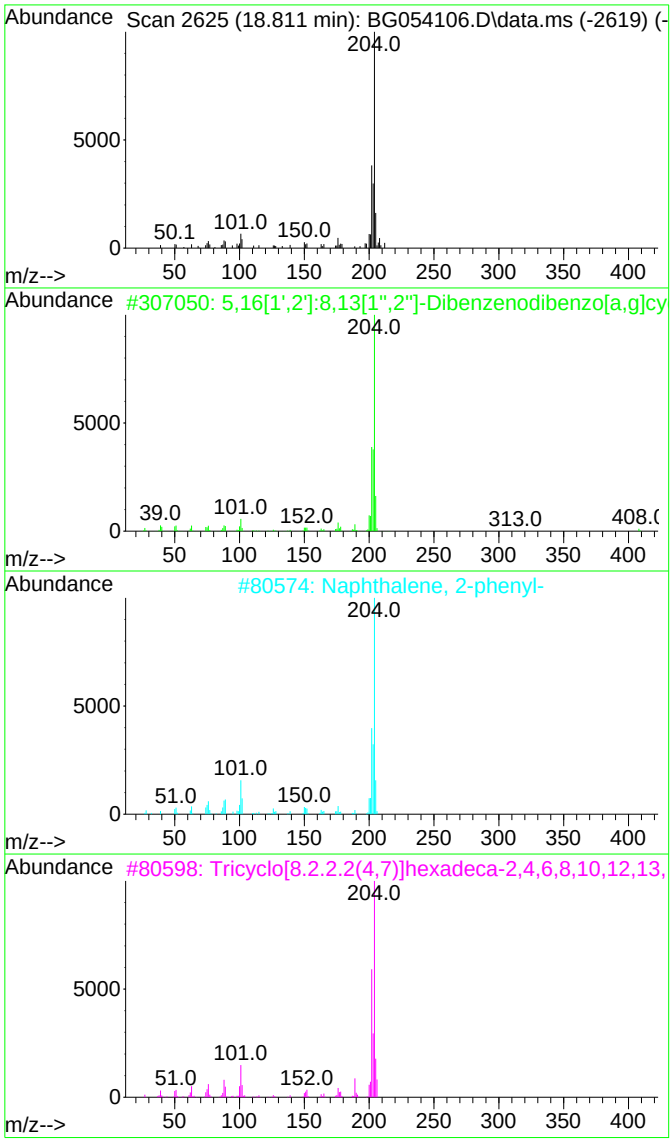
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

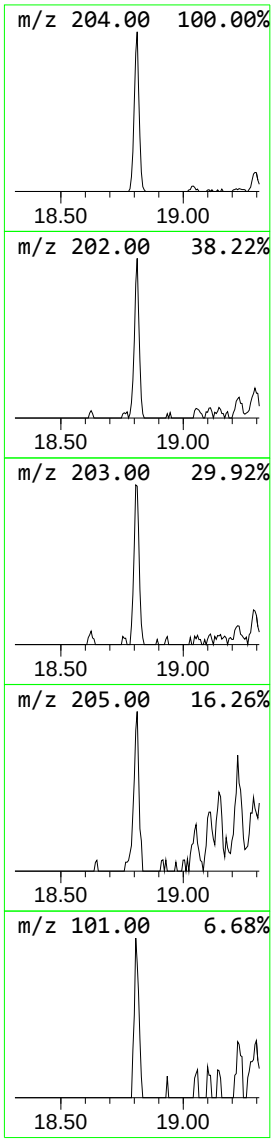
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.811	2.80 ng	68669	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
Data File : BG054106.D
Acq On : 28 Jun 2022 00:22
Operator : CG/JU
Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

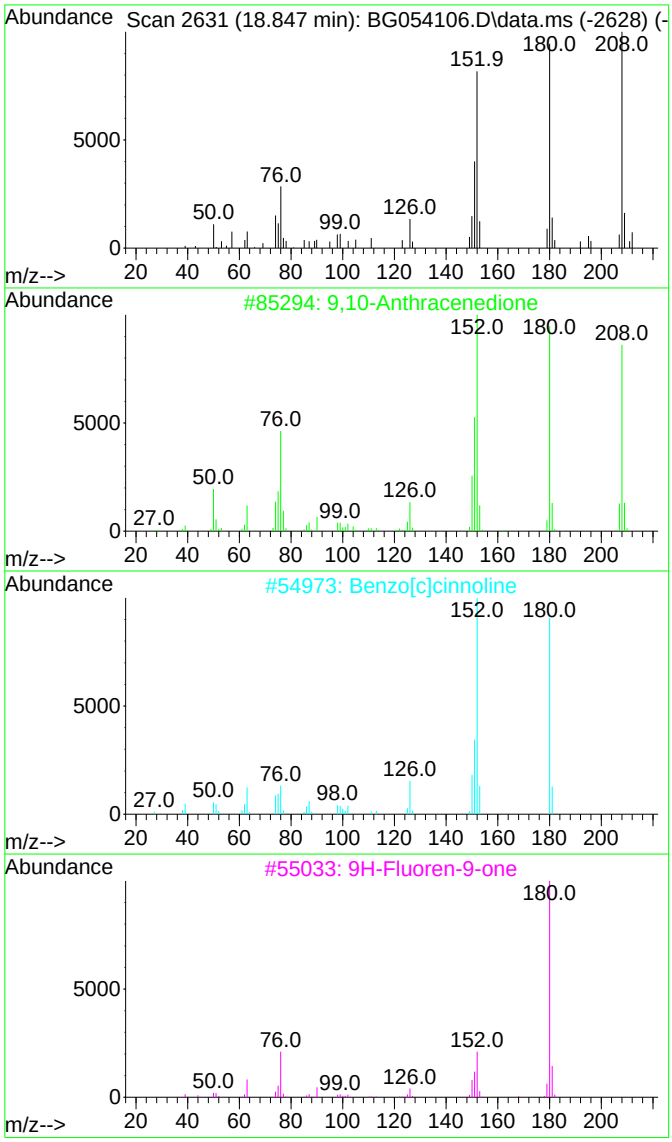
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

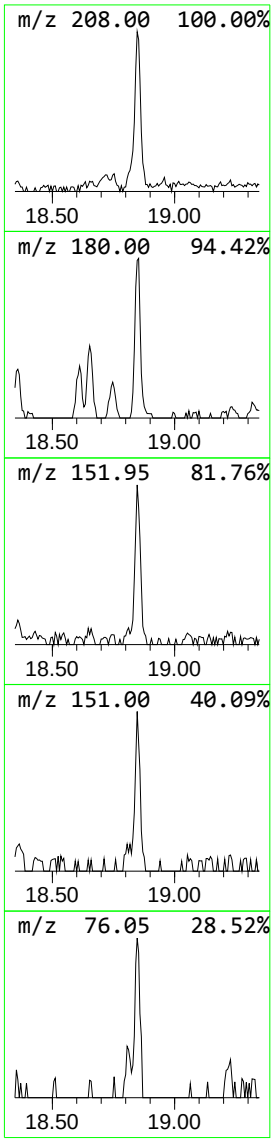
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.847	2.16 ng	53040	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
Data File : BG054106.D
Acq On : 28 Jun 2022 00:22
Operator : CG/JU
Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

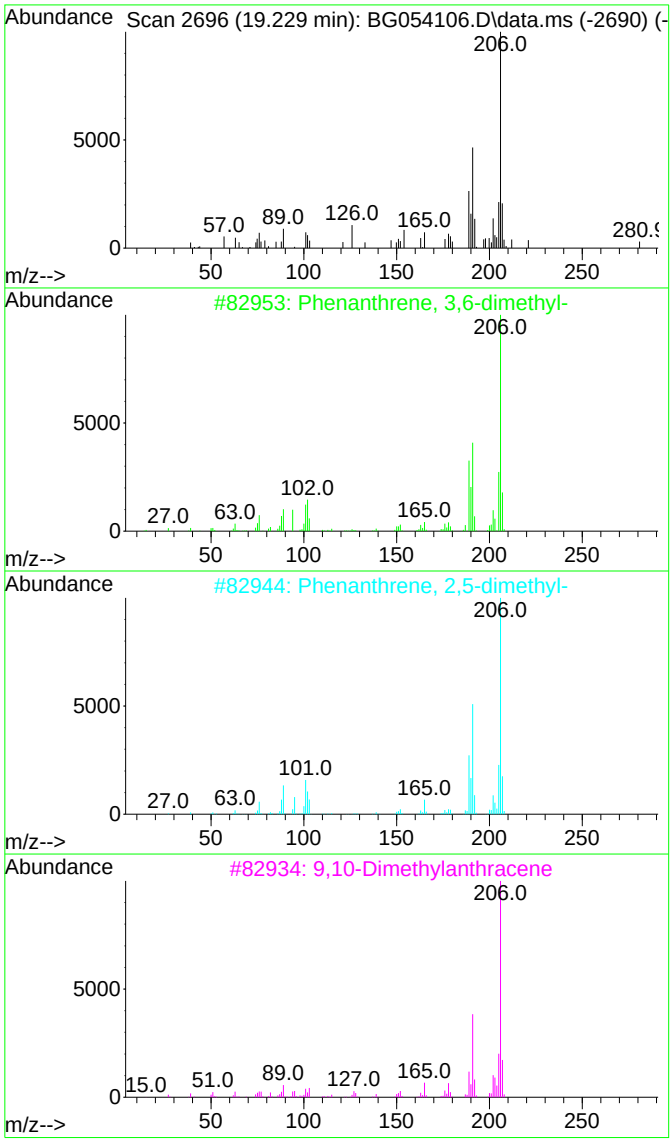
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

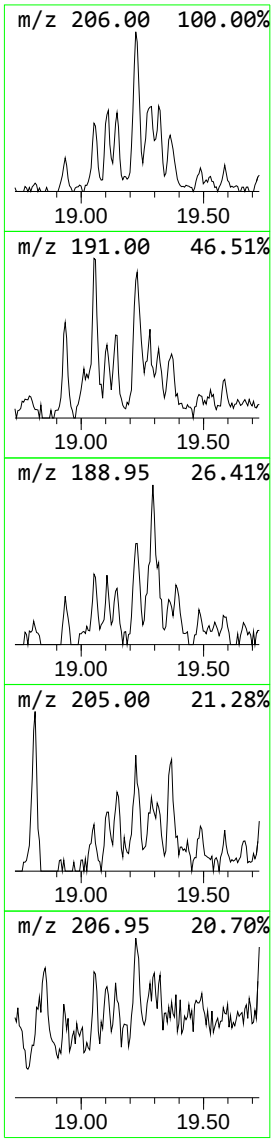
****

Peak Number 6 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.229	2.12 ng	51951	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	89





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Data File : BG054106.D
Acq On : 28 Jun 2022 00:22
Operator : CG/JU
Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

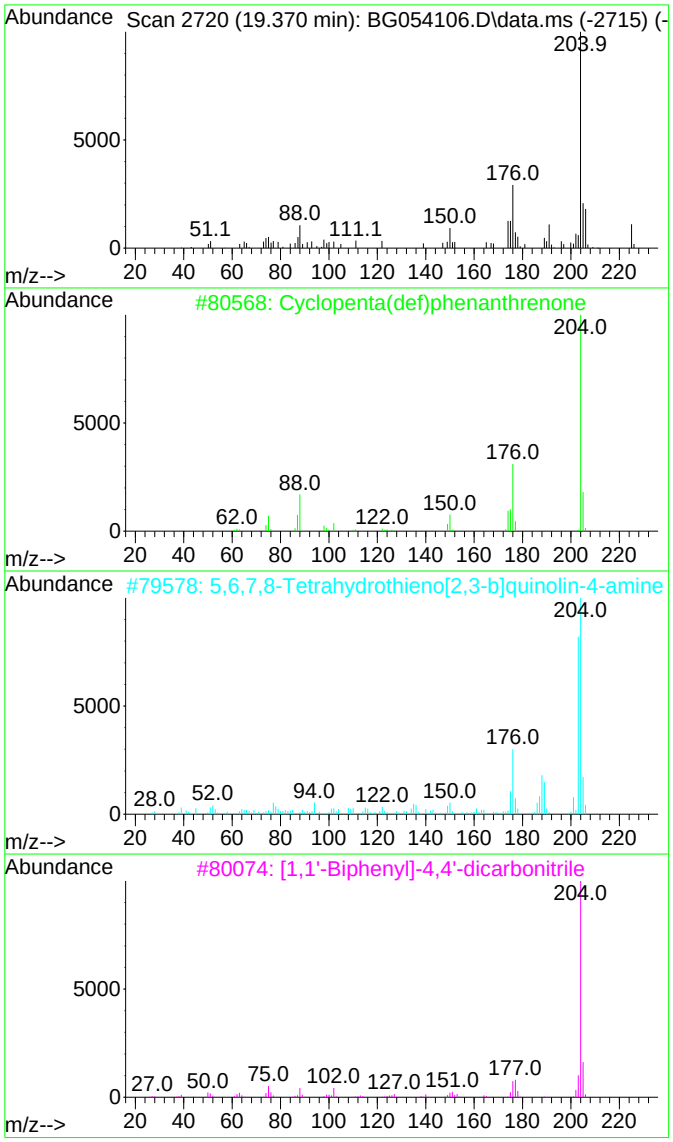
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

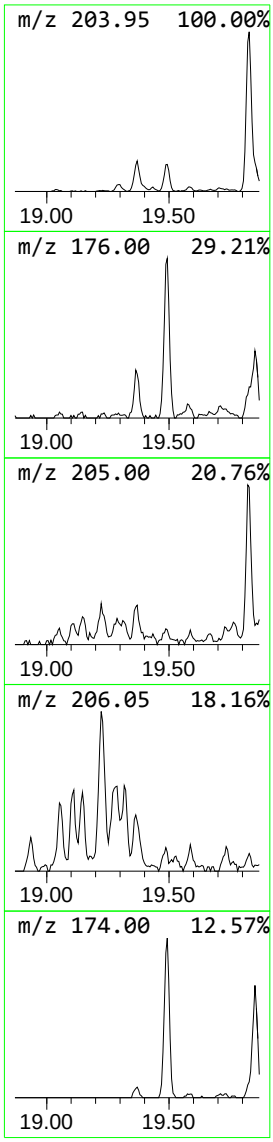
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.370	2.17 ng	53254	Phenanthrene-d10	17.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47





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Operator : CG/JU
Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

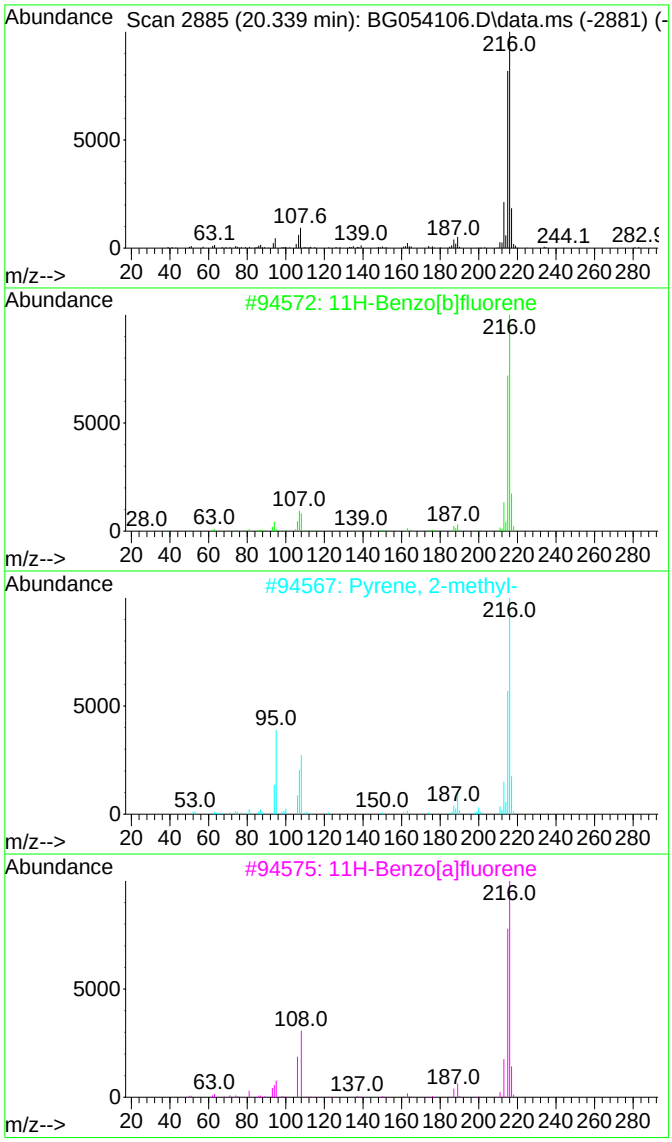
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

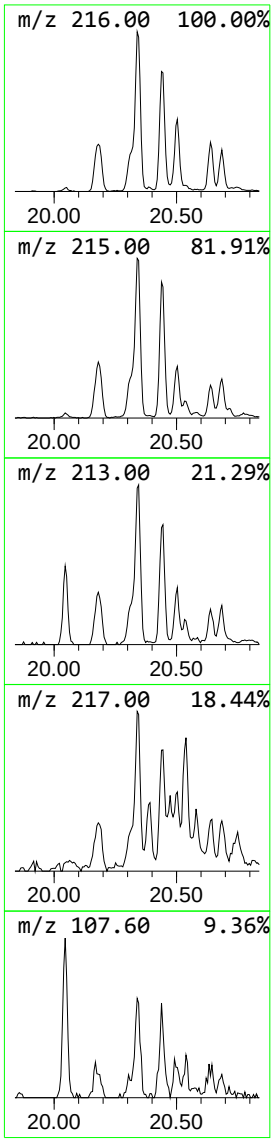
****

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.339	2.83 ng	273758	Chrysene-d12	21.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76





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Acq On : 28 Jun 2022 00:22
Operator : CG/JU
Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

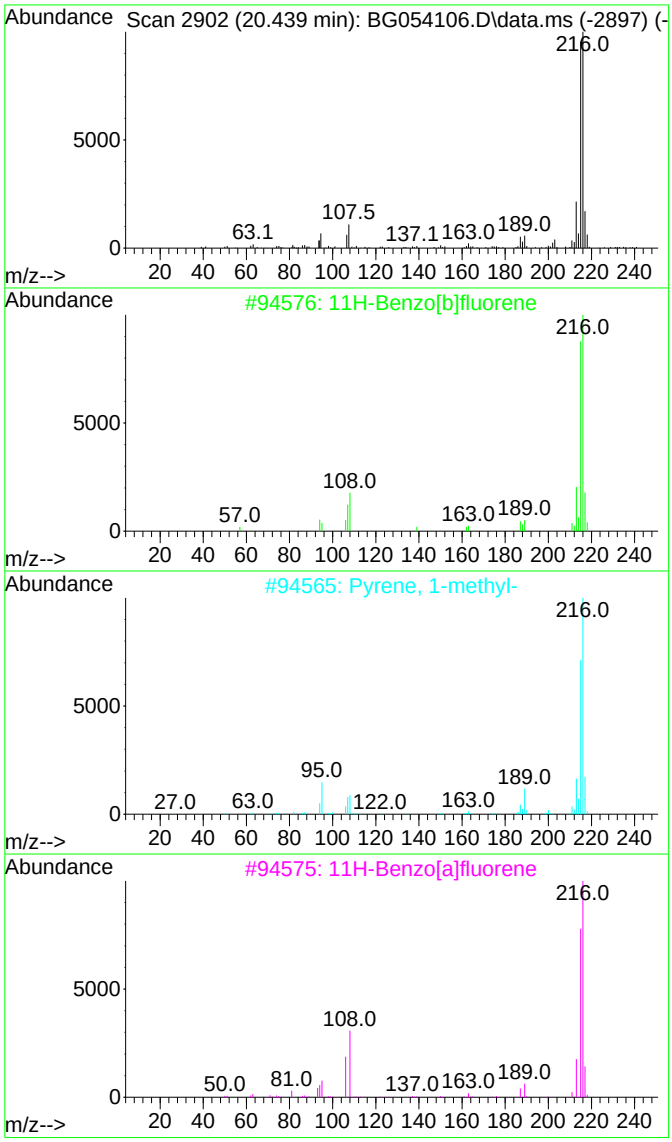
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

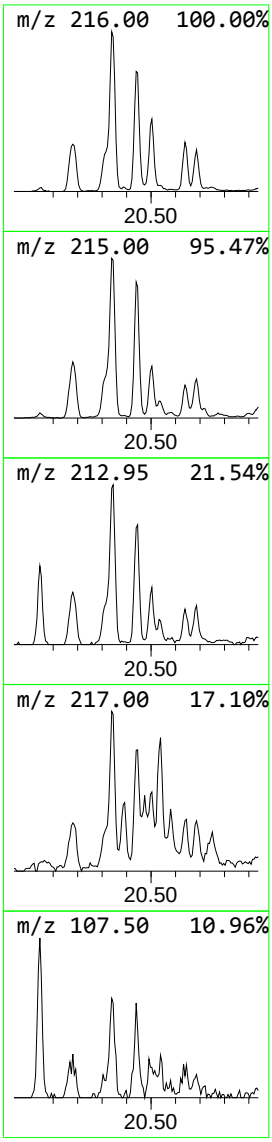
****

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.439	2.23 ng	215775	Chrysene-d12	21.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
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	74





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Acq On : 28 Jun 2022 00:22
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Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

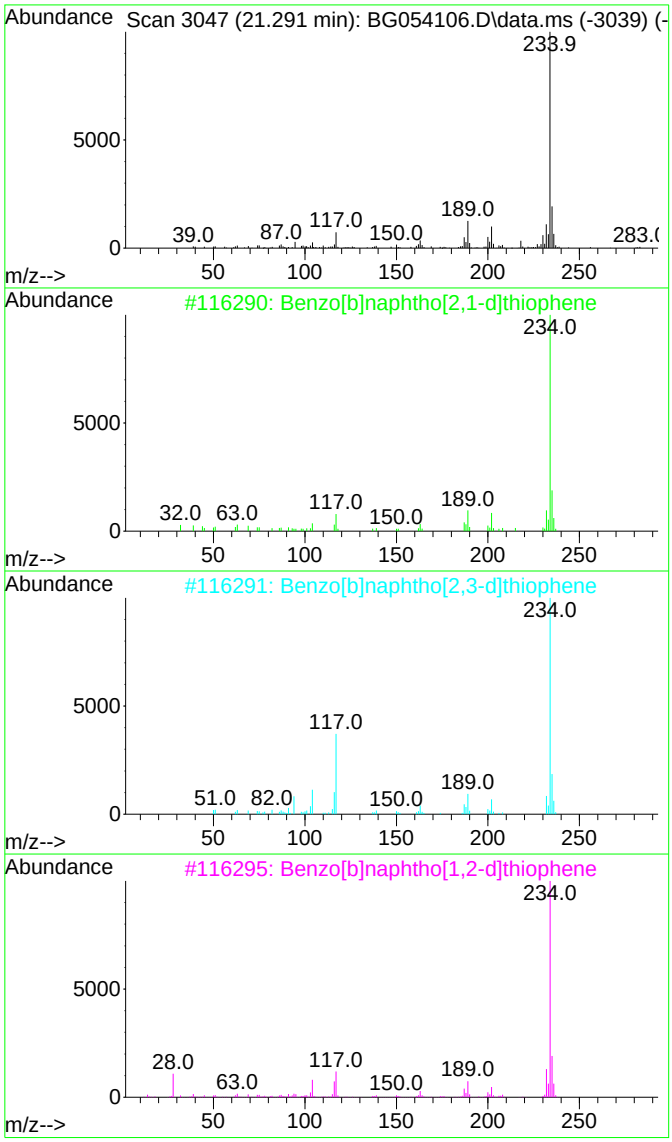
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

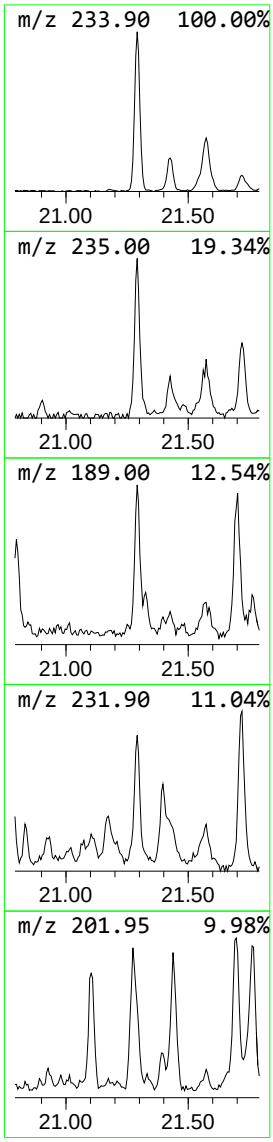
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.291	2.28 ng	220624	Chrysene-d12	21.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	91
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	74





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Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

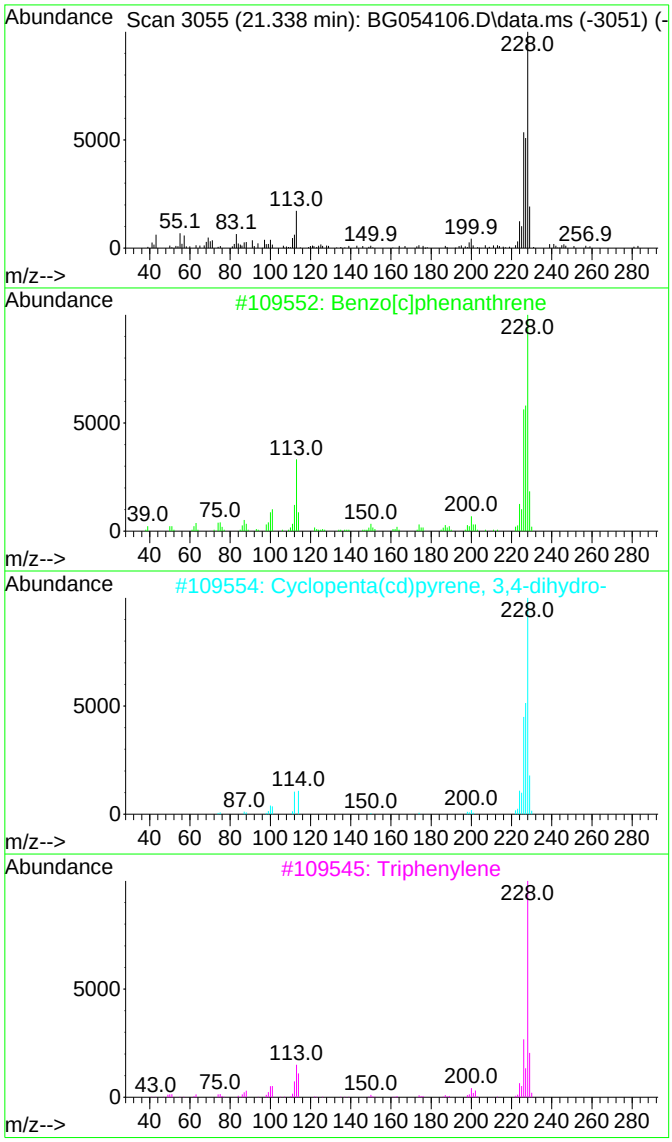
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

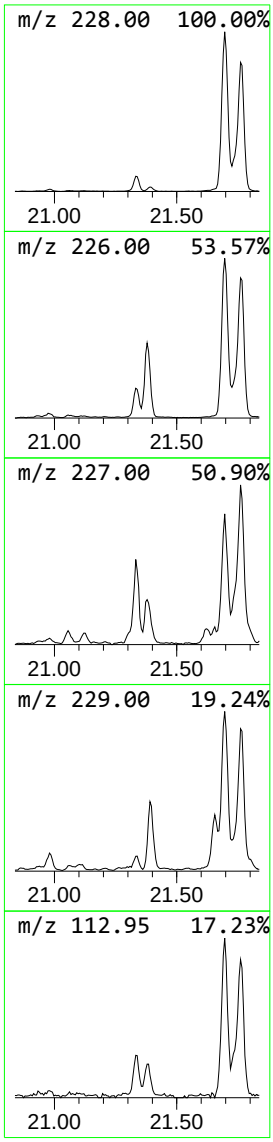
****

Peak Number 11 Benzo[c]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.338	2.17 ng	209918	Chrysene-d12	21.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	70
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	58
3	Triphenylene	228	C18H12	000217-59-4	49
4	Chrysene	228	C18H12	000218-01-9	49
5	Benz[a]anthracene	228	C18H12	000056-55-3	47





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Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

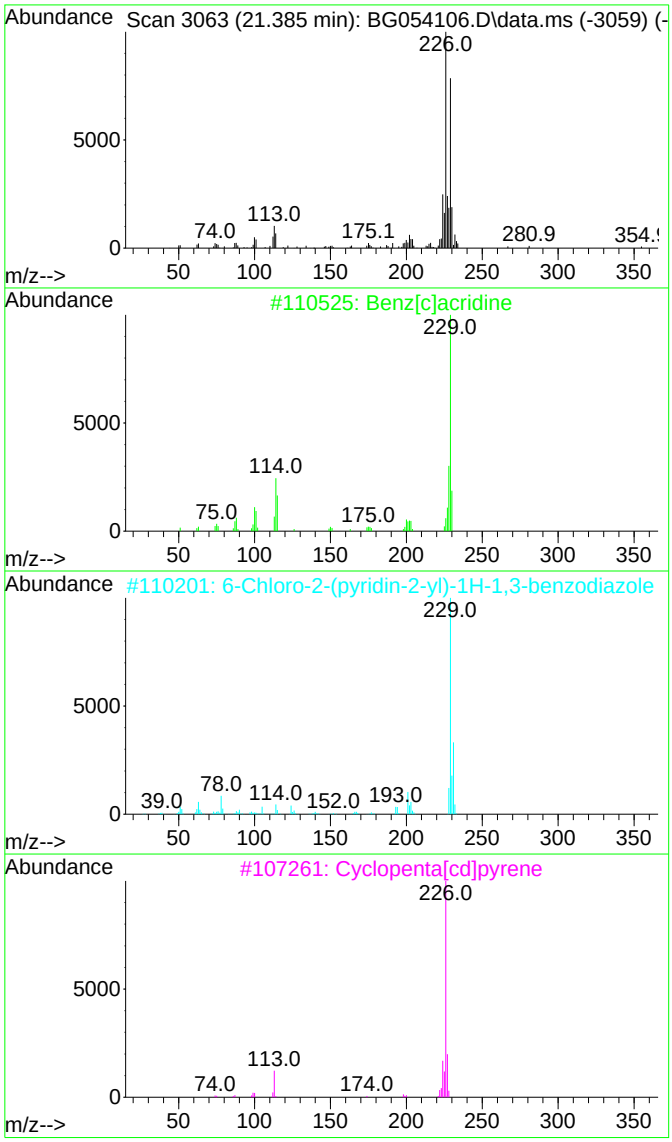
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

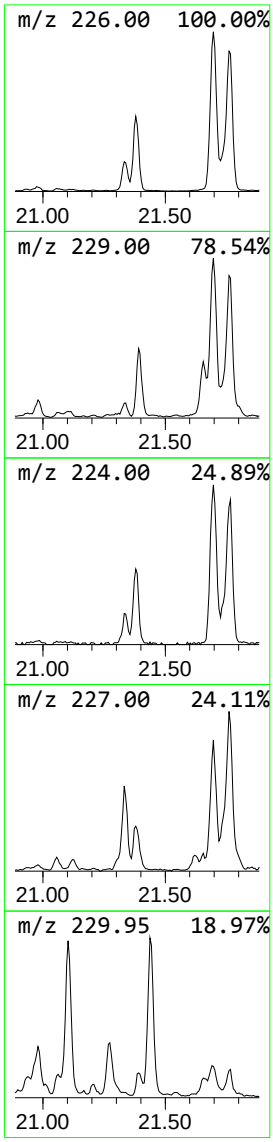
****

Peak Number 12 unknown21.385 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.385	2.36 ng	228483	Chrysene-d12	21.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	41
2	6-Chloro-2-(pyridin-2-yl)-1H-1,3...	229	C12H8ClN3	063053-15-6	38
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	38
4	Benzo(a)acridine	229	C17H11N	000225-11-6	38
5	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	35





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Sample : N3462-08
Misc :
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Instrument :
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ClientSampleId :
SB-2-3-5-20220622

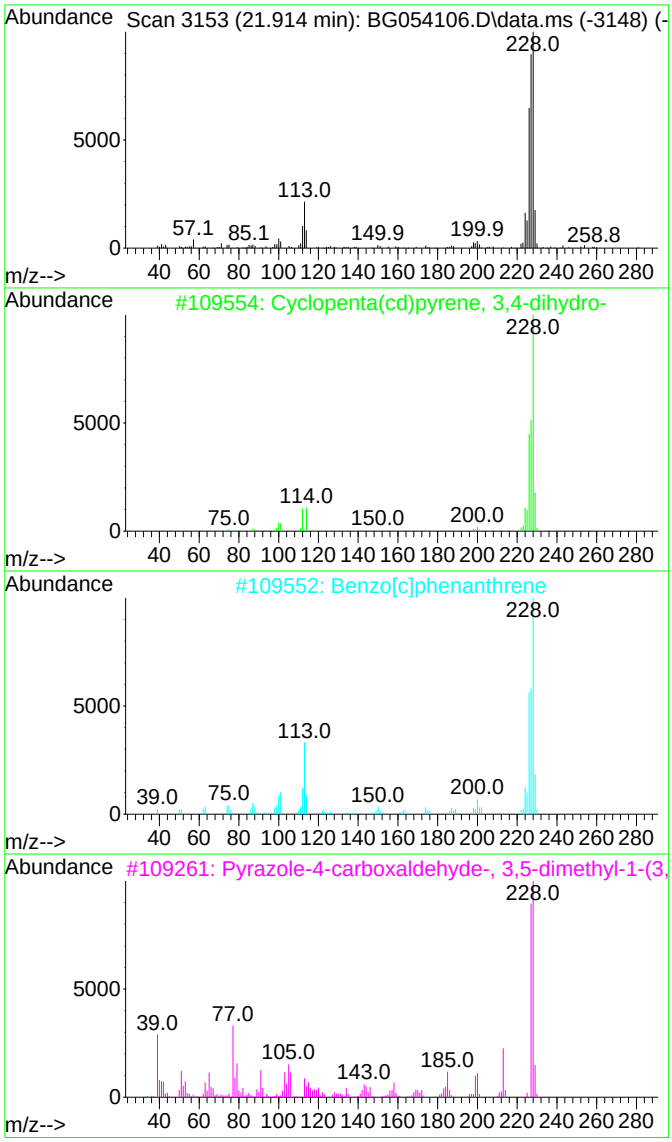
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

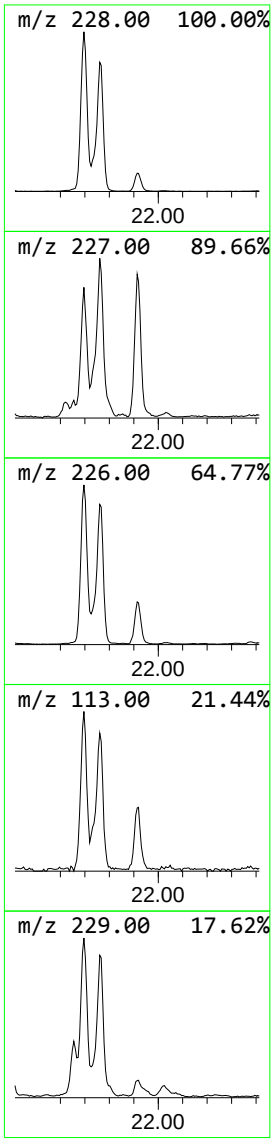
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.914	2.21 ng	213225	Chrysene-d12	21.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
5	Triphenylene	228	C18H12	000217-59-4	50





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Sample : N3462-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-2-3-5-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

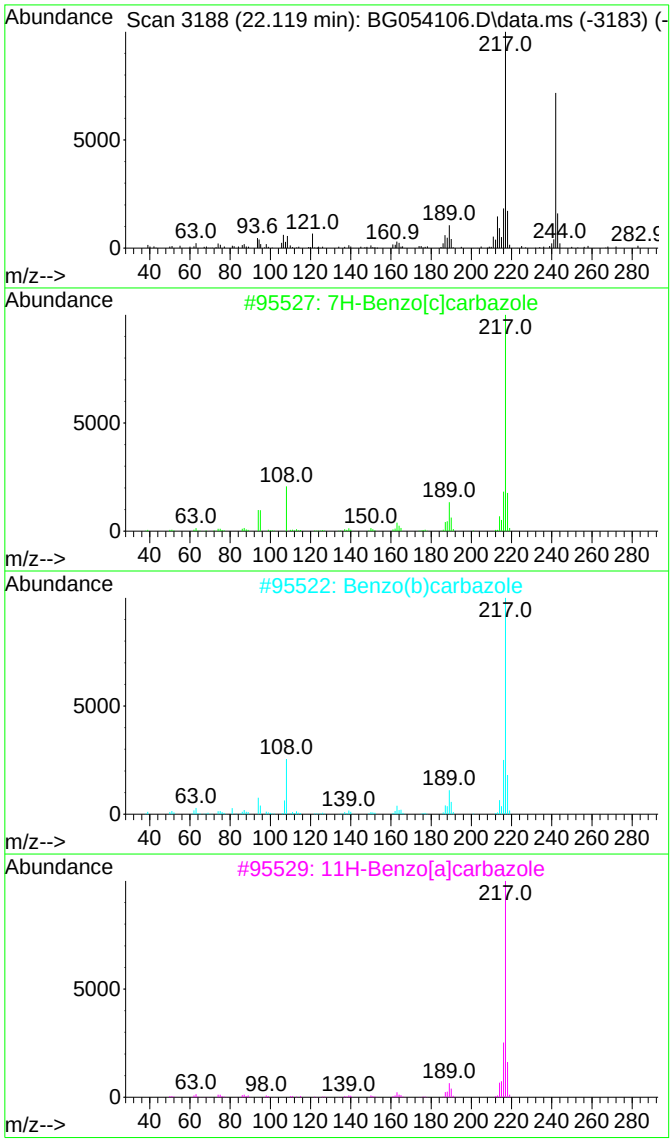
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

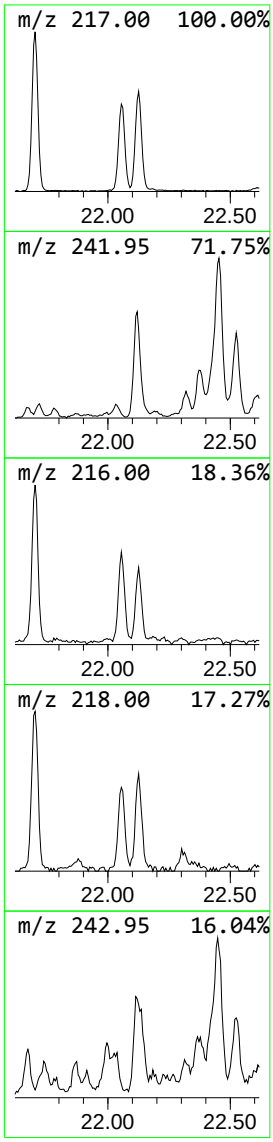
****

Peak Number 14 7H-Benzo[c]carbazole Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.119	2.03 ng	195904	Chrysene-d12	21.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	91
2	Benzo(b)carbazole	217	C16H11N	000243-28-7	83
3	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	53
4	11H-Indeno(1,2-b)quinoline	217	C16H11N	000243-51-6	53
5	Benzo(c)carbazole	217	C16H11N	034777-33-8	50





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Sample : N3462-08
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Instrument :
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ClientSampleId :
SB-2-3-5-20220622

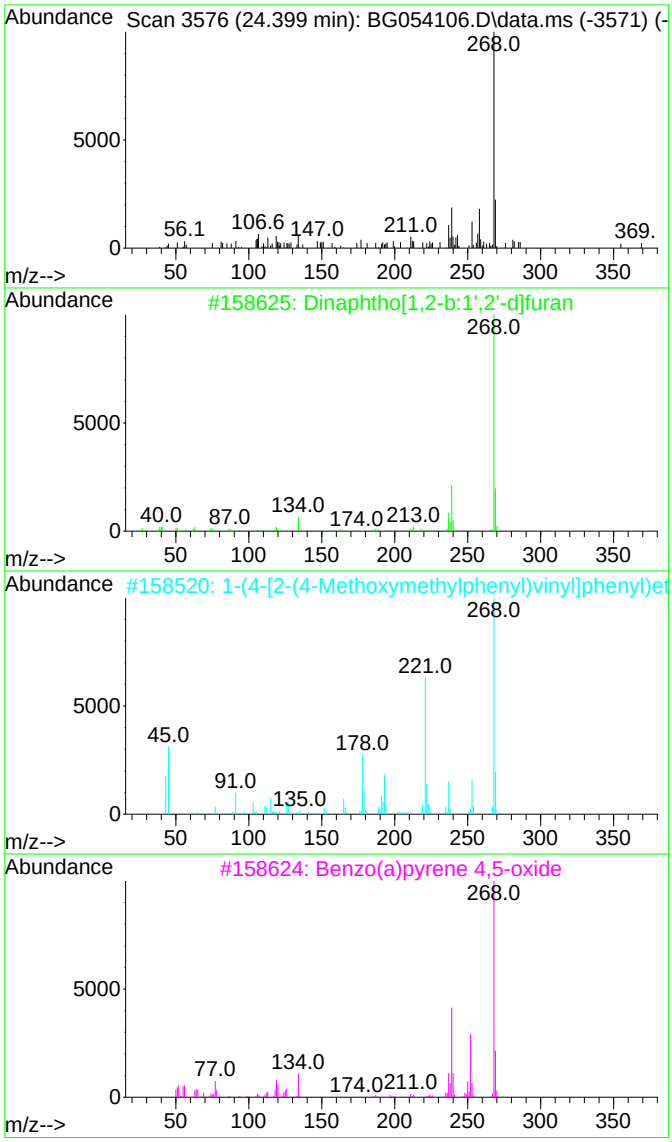
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

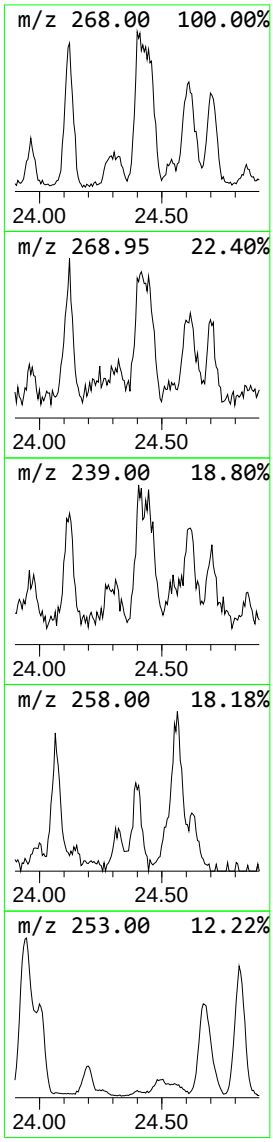
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.399	2.54 ng	76020	Perylene-d12	24.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2	1-(4-[2-(4-Methoxymethylphenyl)v...	268	C18H20O2	1000202-15-4	59
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
4	9,10-anthracenedione, 2,3,6,7-te...	268	C14H12N4O2	1000401-68-7	58
5	9,10-Anthracenedione, 1,4-dihydr...	268	C16H12O4	025060-18-8	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
Data File : BG054106.D
Acq On : 28 Jun 2022 00:22
Operator : CG/JU
Sample : N3462-08
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SB-2-3-5-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.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
Anthracene, 1-m...	18.318	3.8	ng	93691	4	17.436	491118	20.0
Phenanthrene, 1...	18.365	4.4	ng	107234	4	17.436	491118	20.0
4H-Cyclopenta[d...	18.512	7.0	ng	173104	4	17.436	491118	20.0
5,16[1',2']:8,1...	18.811	2.8	ng	68669	4	17.436	491118	20.0
9,10-Anthracene...	18.847	2.2	ng	53040	4	17.436	491118	20.0
Phenanthrene, 3...	19.229	2.1	ng	51951	4	17.436	491118	20.0
Cyclopenta(def)...	19.370	2.2	ng	53254	4	17.436	491118	20.0
11H-Benzo[b]flu...	20.339	2.8	ng	273758	5	21.720	1933570	20.0
Pyrene, 1-methyl-	20.439	2.2	ng	215775	5	21.720	1933570	20.0
Benzo[b]naphtho...	21.291	2.3	ng	220624	5	21.720	1933570	20.0
Benzo[c]phenant...	21.338	2.2	ng	209918	5	21.720	1933570	20.0
unknown21.385	21.385	2.4	ng	228483	5	21.720	1933570	20.0
Cyclopenta(cd)p...	21.914	2.2	ng	213225	5	21.720	1933570	20.0
7H-Benzo[c]carb...	22.119	2.0	ng	195904	5	21.720	1933570	20.0
Dinaphtho[1,2-b...	24.399	2.5	ng	76020	6	24.975	597553	20.0