LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

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-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG055999.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.402	15	19	25	rBV	16316	24032	4.00%	0.351%
2	5.417	356	362	368	rBB2	11093	16915	2.81%	0.247%
3	5.887	436	442	450	rBB	82657	135049	22.46%	1.974%
4	7.497	710	716	723	rBB	86600	148829	24.75%	2.175%
5	8.372	859	865	871	rBB2	23108	37944	6.31%	0.555%
6	9.542	1057	1064	1071	rBB	53465	93973	15.63%	1.374%
7	11.204	1340	1347	1354	rBV	30960	52876	8.79%	0.773%
8	13.608	1749	1756	1762	rBB	195193	286965	47.72%	4.194%
9	14.976	1984	1989	1995	rVB	60893	91278	15.18%	1.334%
10	16.316	2210	2217	2222	rBB	51367	71032	11.81%	1.038%
11	16.451	2234	2240	2249	rBV	257257	389415	64.76%	5.692%
12	17.362	2389	2395	2401	rBV3	6418	10216	1.70%	0.149%
13	17.714	2446	2455	2459	rBV	99698	148829	24.75%	2.175%
14	17.761	2459	2463	2469	rVB	107337	154303	25.66%	2.255%
15	17.850	2469	2478	2482	rBV	11794	18525	3.08%	0.271%
16	18.108	2513	2522	2527	rBV2	9739	16026	2.67%	0.234%
17	18.566	2593	2600	2607	rBV3	39357	74178	12.34%	1.084%
18	18.631	2607	2611	2616	rVV	24814	37778	6.28%	0.552%
19	18.707	2620	2624	2629	rVV	5463	8126	1.35%	0.119%
20	18.778	2629	2636	2640	rBV2	20965	44323	7.37%	0.648%
21	18.813	2640	2642	2647	rVB	12938	15035	2.50%	0.220%
22	19.072	2680	2686	2689	rBV	16464	24193	4.02%	0.354%
23	19.107	2689	2692	2701	rVB	24928	37021	6.16%	0.541%
24	19.313	2718	2727	2731	rBV4	6207	9929	1.65%	0.145%
25	19.365	2731	2736	2739	rBV2	5026	7131	1.19%	0.104%
26	19.401	2739	2742	2746	rVB4	4655	6613	1.10%	0.097%
27	19.483	2749	2756	2760	rBV2	17978	31789	5.29%	0.465%
28	19.542	2760	2766	2768	rVV4	6203	11899	1.98%	0.174%
29	19.571	2769	2771	2775	rVB2	6663	7625	1.27%	0.111%
30	19.618	2775	2779	2785	rBV2	14580	24838	4.13%	0.363%
31	19.747	2795	2801	2806	rVB	275451	381298	63.41%	5.573%
32	19.824	2806	2814	2821	rVB7	11693	31253	5.20%	0.457%
33	19.894	2822	2826	2829	rBV2	6910	10112	1.68%	0.148%
34	19.930	2829	2832	2837	rVB3	9030	13820	2.30%	0.202%
35	19.988	2837	2842	2849	rBV4	8543	20119	3.35%	0.294%
36	20.071	2851	2856	2858	rVV2	42860	65233	10.85%	0.953%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

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-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	20.106	2858	2862	2869	rVV	225191	335035	55.71%	4.897%
38	20.170	2869	2873	2879	rVB	17007	24336	4.05%	0.356%
39	20.288	2887	2893	2899	rBV	450363	601339	100.00%	8.789%
40	20.341	2899	2902	2906	rVB	11003	15407	2.56%	0.225%
41	20.429	2910	2917	2922	rBV4	20665	55415	9.22%	0.810%
42	20.588	2932	2944	2949	rVB2	39225	91091	15.15%	1.331%
43	20.687	2956	2961	2965	rBV	21679	31563	5.25%	0.461%
44	20.746	2965	2971	2975	rVB2	24902	46227	7.69%	0.676%
45	20.781	2975	2977	2981	rVB2	8351	10003	1.66%	0.146%
46	20.893	2991	2996	3000	rBV	20385	30928	5.14%	0.452%
47	20.940	3000	3004	3012	rVB2	17741	30295	5.04%	0.443%
48	21.193	3043	3047	3051	rVB7	8807	12733	2.12%	0.186%
49	21.375	3074	3078	3087	rVB2	29993	49680	8.26%	0.726%
50	21.575	3104	3112	3115	rBV2	28118	64949	10.80%	0.949%
51	21.616	3115	3119	3125	rVV2	41350	77538	12.89%	1.133%
52	21.675	3125	3129	3134	rVV2	26710	53414	8.88%	0.781%
53	21.727	3134	3138	3145	rVB2	28450	51876	8.63%	0.758%
54	21.874	3155	3163	3170	rBV4	10166	29559	4.92%	0.432%
55	22.009	3175	3186	3193	rBV2	176485	504833	83.95%	7.379%
56	22.074	3193	3197	3205	rVB	130152	239153	39.77%	3.495%
57	22.186	3212	3216	3218	rBV4	4161	6615	1.10%	0.097%
58	22.244	3222	3226	3231	rVB	16157	25124	4.18%	0.367%
59	22.309	3232	3237	3243	rBV6	9300	20373	3.39%	0.298%
60	22.462	3256	3263	3269	rBV	22395	50174	8.34%	0.733%
61	22.726	3306	3308	3312	rVB4	6133	6854	1.14%	0.100%
62	22.808	3314	3322	3328	rVV	27629	61659	10.25%	0.901%
63	22.885	3330	3335	3342	rVB3	22640	52148	8.67%	0.762%
64	22.991	3349	3353	3357	rVB5	6971	12846	2.14%	0.188%
65	23.038	3359	3361	3366	rVB5	7728	11633	1.93%	0.170%
66	23.108	3368	3373	3377	rVV2	13213	27334	4.55%	0.400%
67	23.155	3378	3381	3390	rVV5	12570	25492	4.24%	0.373%
68	23.255	3393	3398	3407	rVB2	11811	29200	4.86%	0.427%
69	24.007	3521	3526	3532	rVB3	10808	24057	4.00%	0.352%
70	24.160	3549	3552	3561	rVB10	5887	14600	2.43%	0.213%
71	24.412	3583	3595	3603	rBV	114867	413514	68.77%	6.044%
72	24.683	3635	3641	3655	rVB2	22126	63972	10.64%	0.935%
73	24.912	3672	3680	3686	rBV10	11551	35678	5.93%	0.521%
74	25.206	3720	3730	3743	rVB2	67134	217060	36.10%	3.173%
75	25.364	3745	3757	3770	rVB	98037	294586	48.99%	4.306%
76	25.529	3772	3785	3793	rBV3	64951	222722	37.04%	3.255%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

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-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	25.617	3793	3800	3811	rVB3	24431	82556	13.73%	1.207%
78	26.252	3903	3908	3909	rBV5	5154	8401	1.40%	0.123%
79	26.810	3996	4003	4005	rBV6	8708	16893	2.81%	0.247%
80	28.331	4256	4262	4263	rBV6	4474	7850	1.31%	0.115%
81	30.253	4584	4589	4597	rVB5	7394	19842	3.30%	0.290%
82	30.829	4671	4687	4703	rBV3	34464	176684	29.38%	2.582%

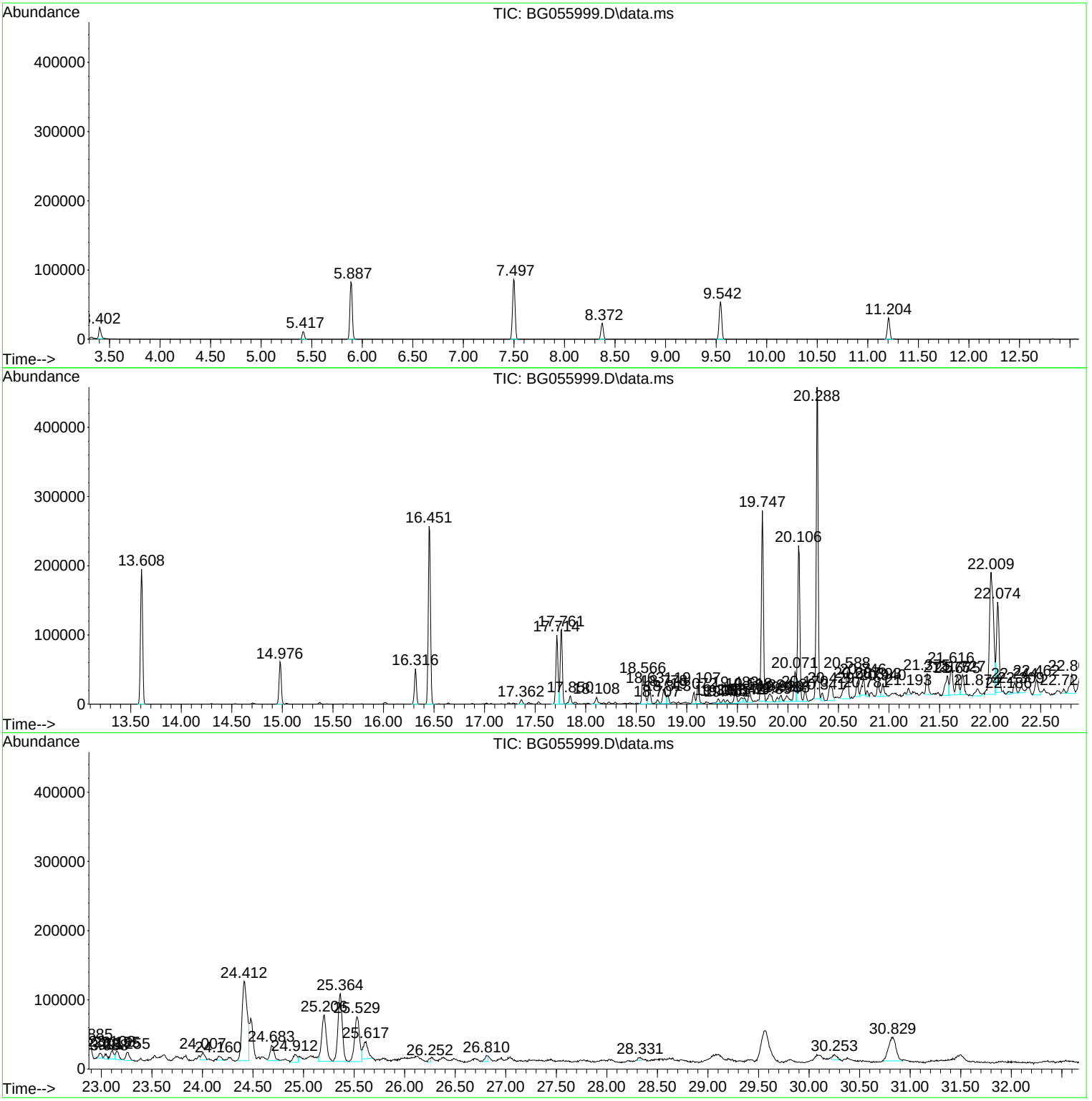
Sum of corrected areas: 6841761

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

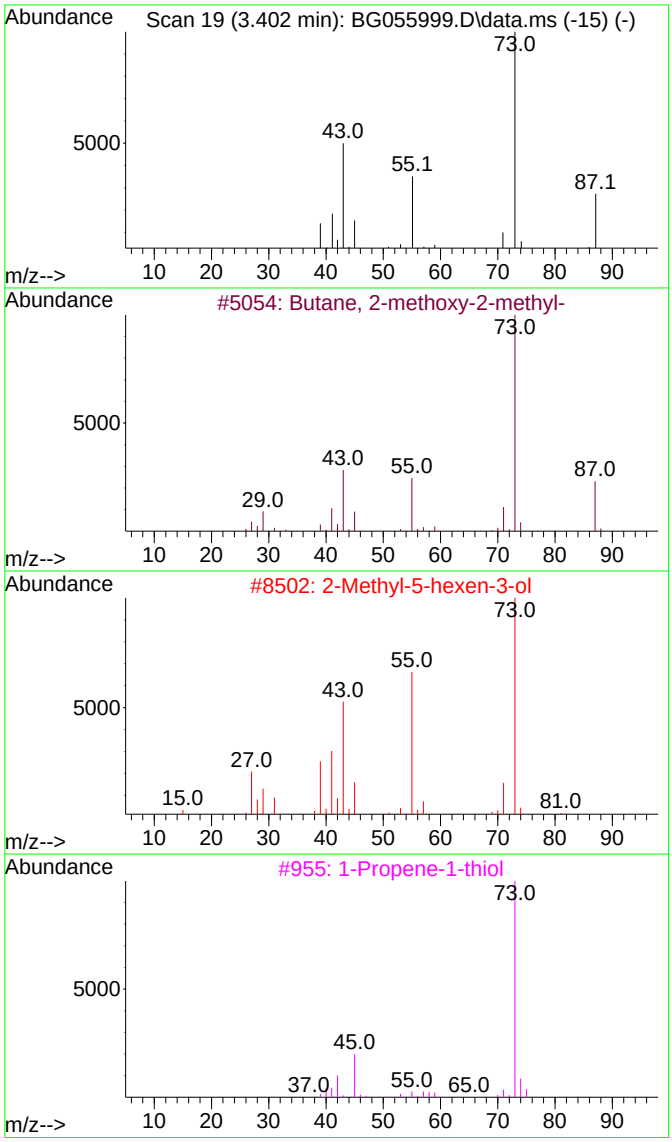
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

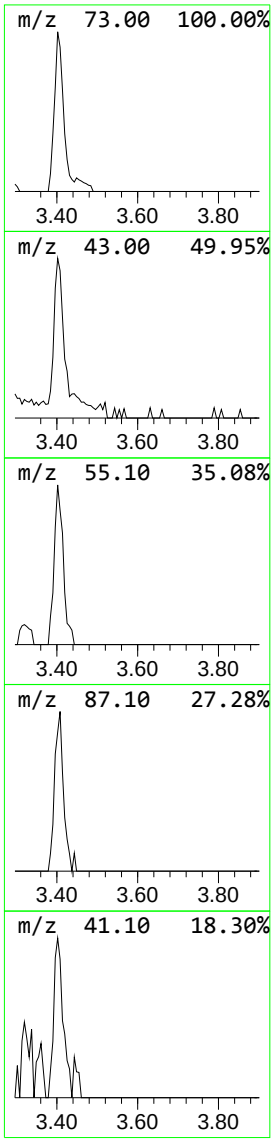
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.402	12.67 ng	24032	1,4-Dichlorobenzene-d4	8.372

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	12
3	1-Propene-1-thiol	74	C3H6S	000925-89-3	9
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

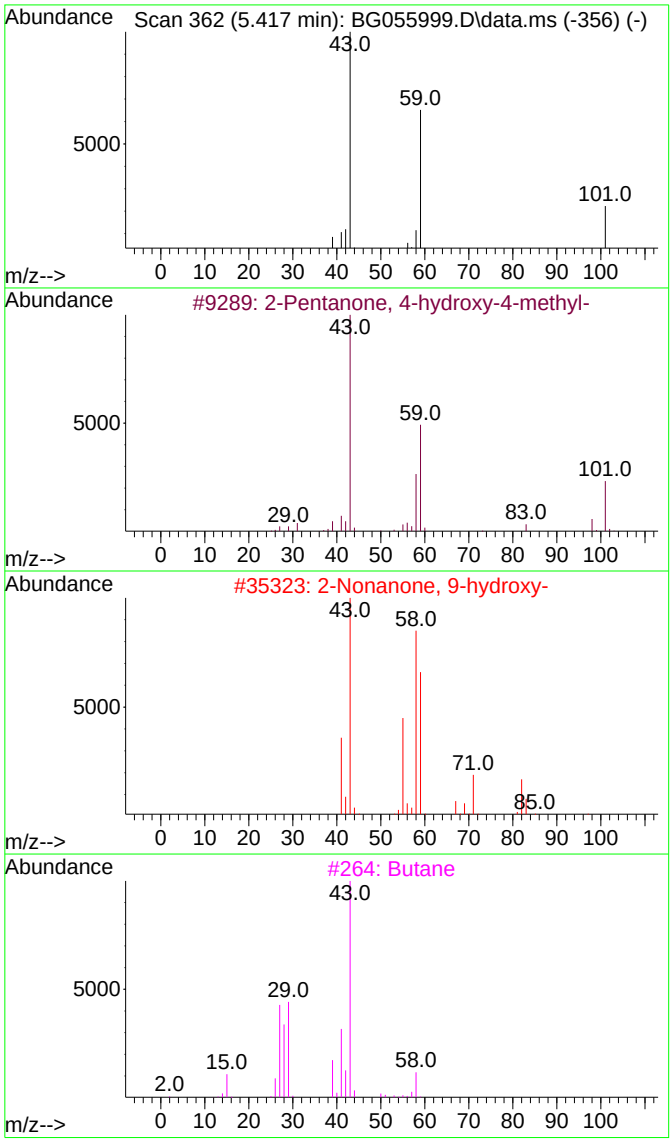
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

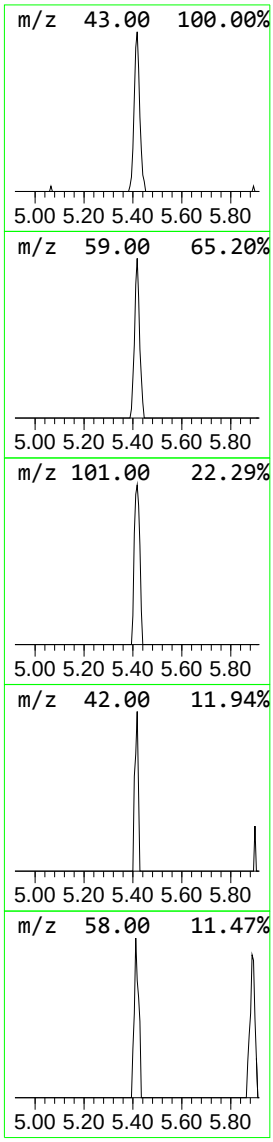
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.417	8.92 ng	16915	1,4-Dichlorobenzene-d4	8.372

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	36
3	Butane	58	C4H10	000106-97-8	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

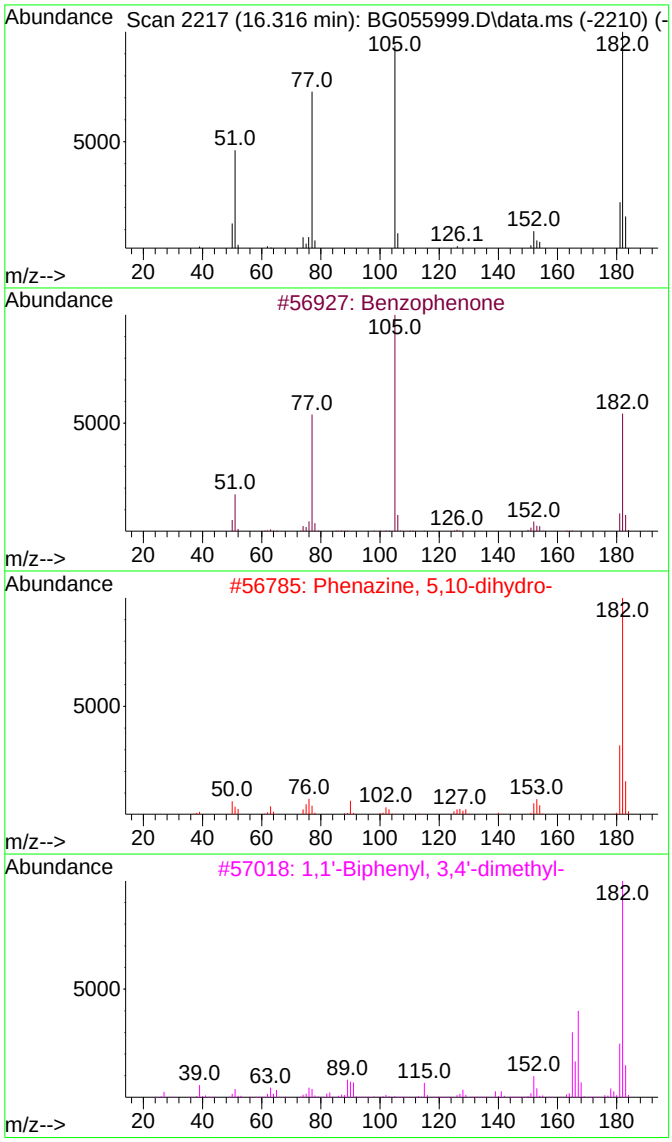
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

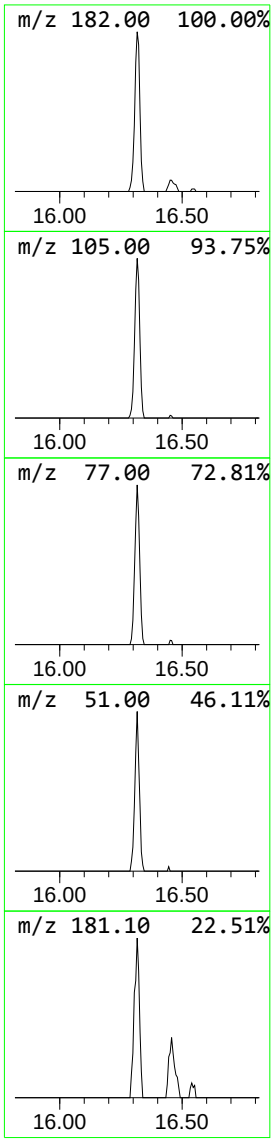
****

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.316	15.56 ng	71032	Acenaphthene-d10	14.977

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenazine, 5,10-dihydro-	182	C12H10N2	000613-32-1	46
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46
4	9H-Pyrido[3,4-b]indole, 1-methyl-	182	C12H10N2	000486-84-0	43
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

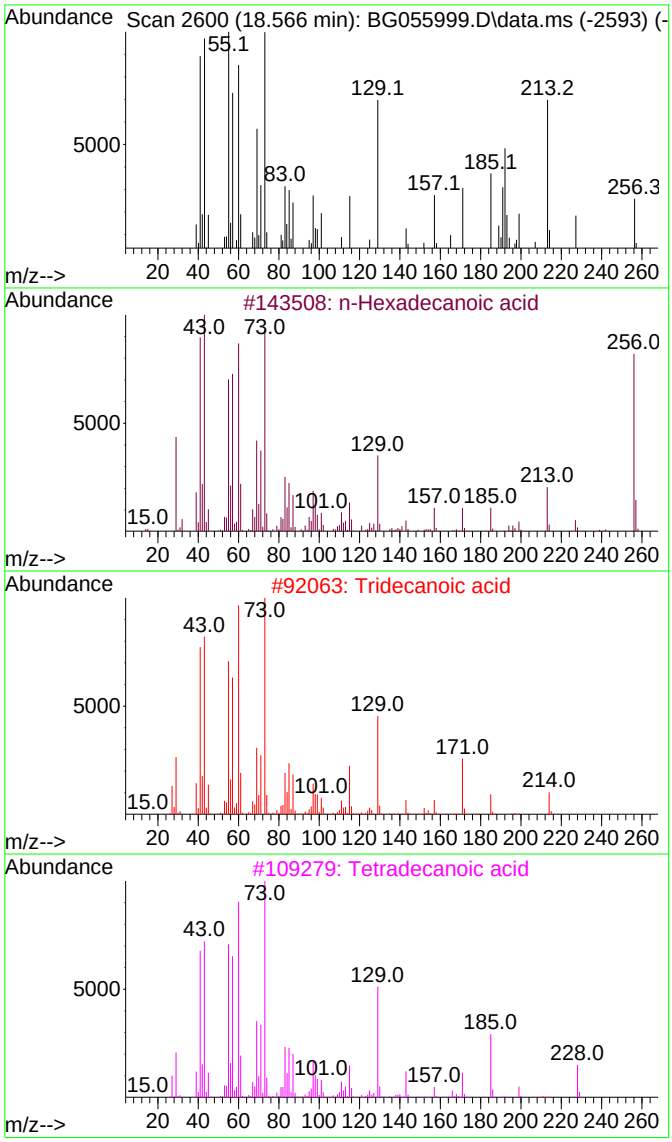
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

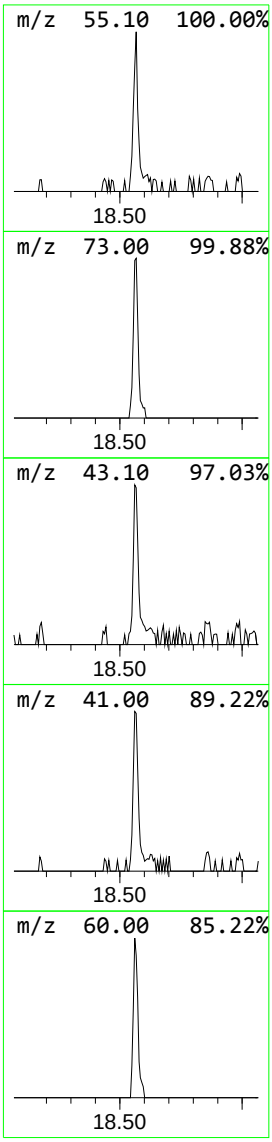
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.566	9.97 ng	74178	Phenanthrene-d10	17.714

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	45
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	30
5	Dodecanoic acid	200	C12H24O2	000143-07-7	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

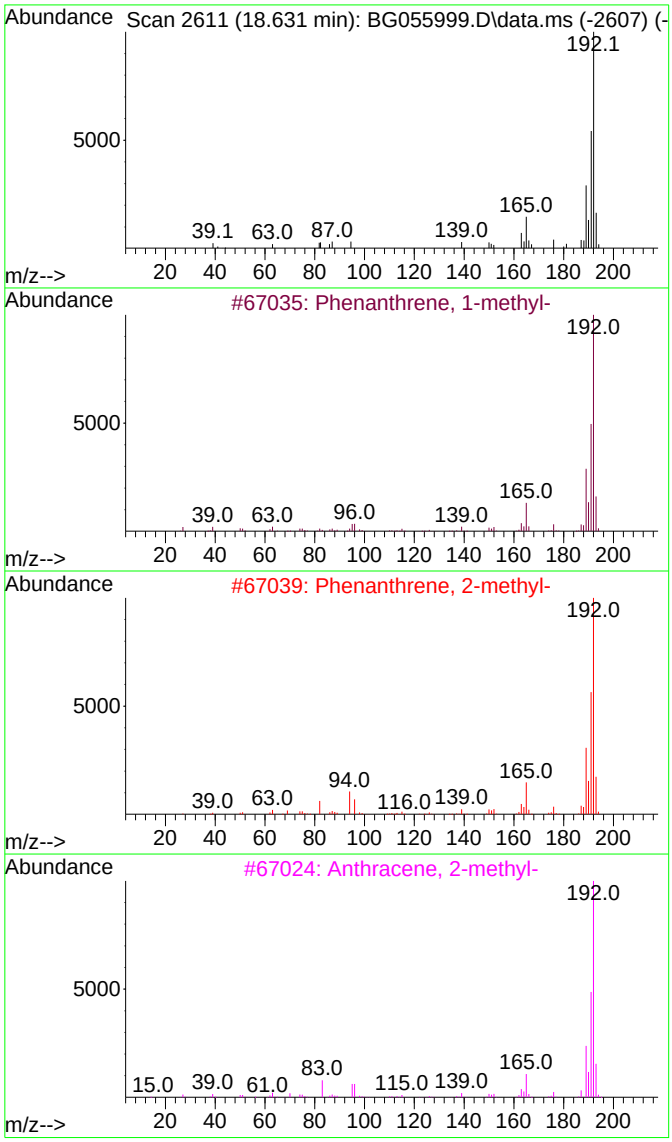
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

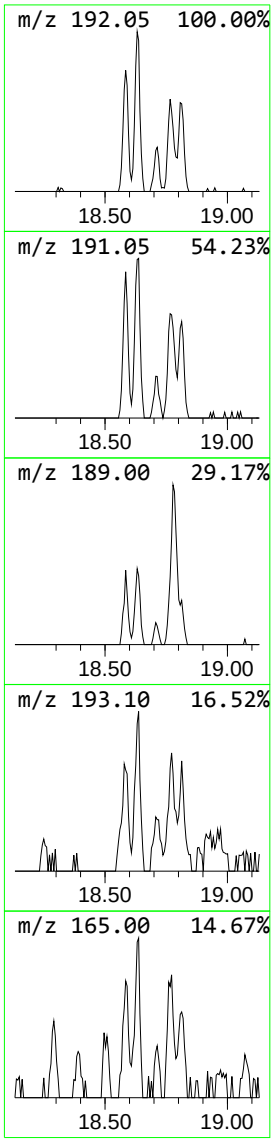
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.631	5.08 ng	37778	Phenanthrene-d10	17.714

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

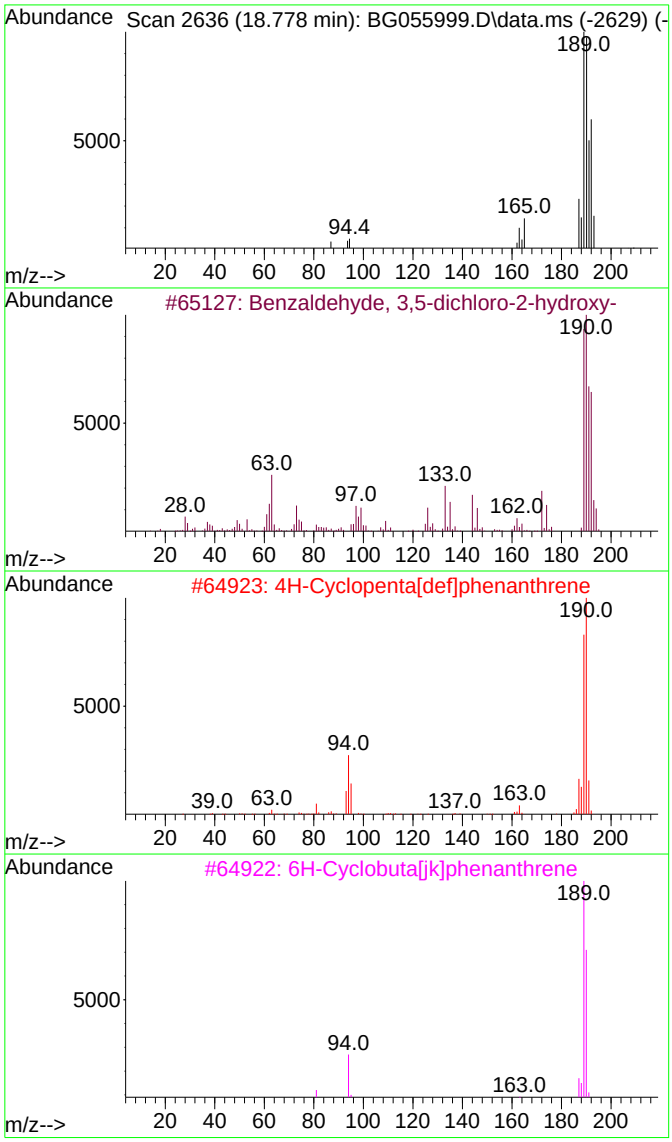
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

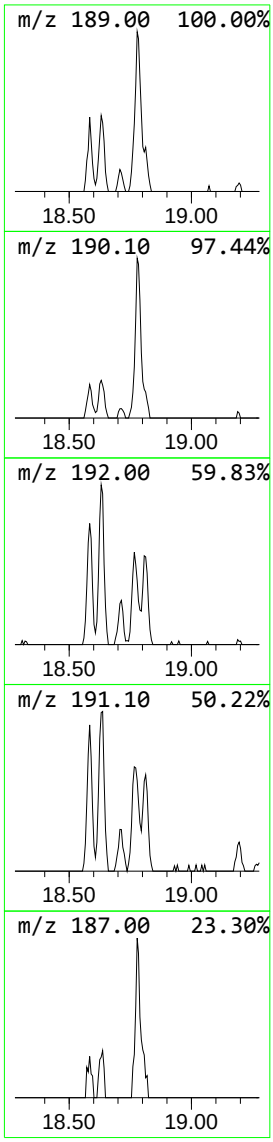
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.778	5.96 ng	44323	Phenanthrene-d10	17.714

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	38
5	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

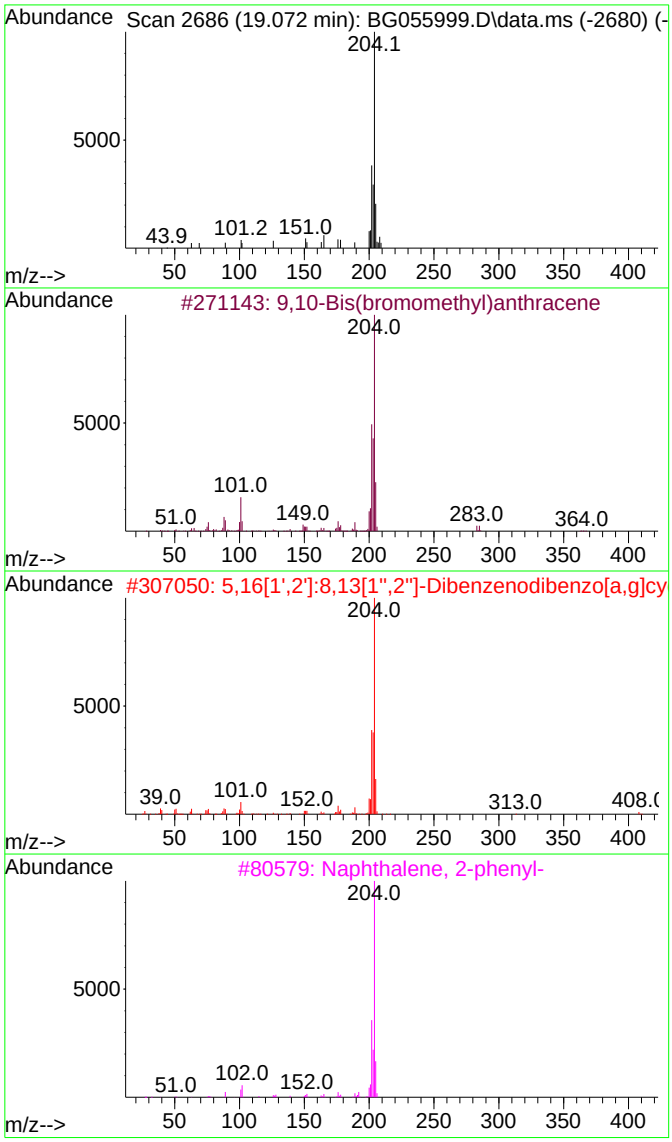
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

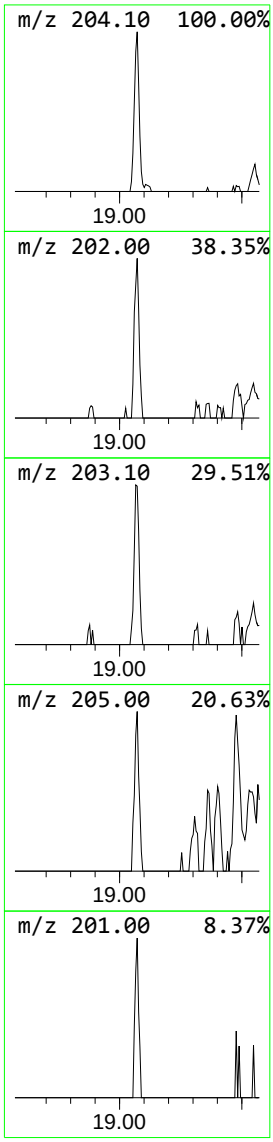
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 9,10-Bis(bromomethyl)anthra... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.072	3.25 ng	24193	Phenanthrene-d10	17.714

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

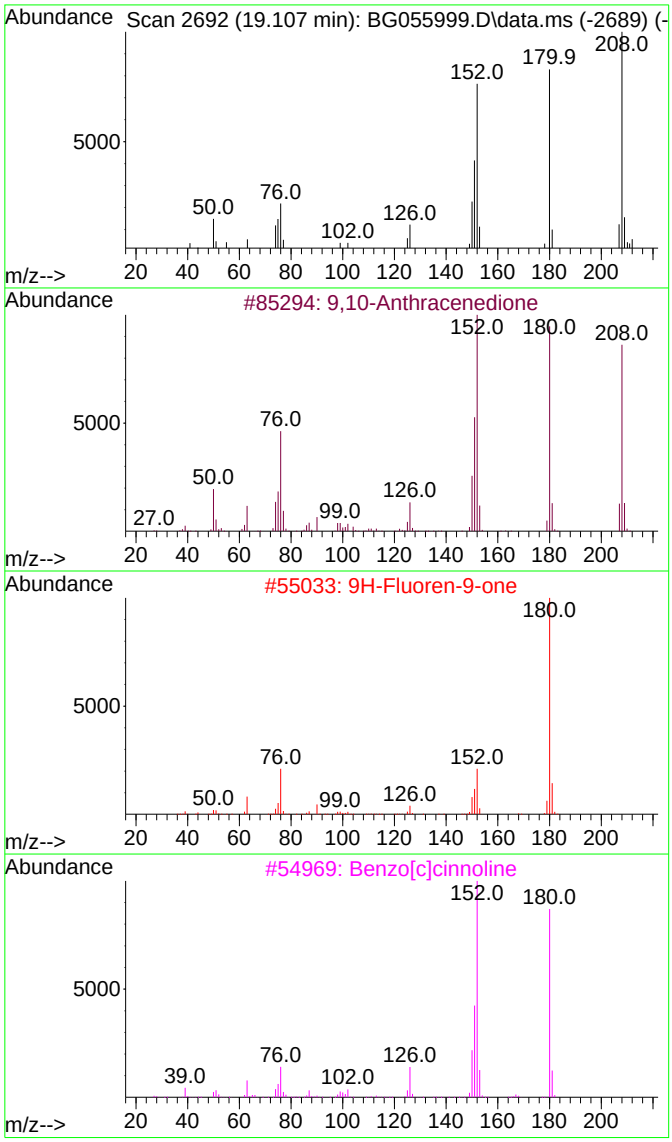
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

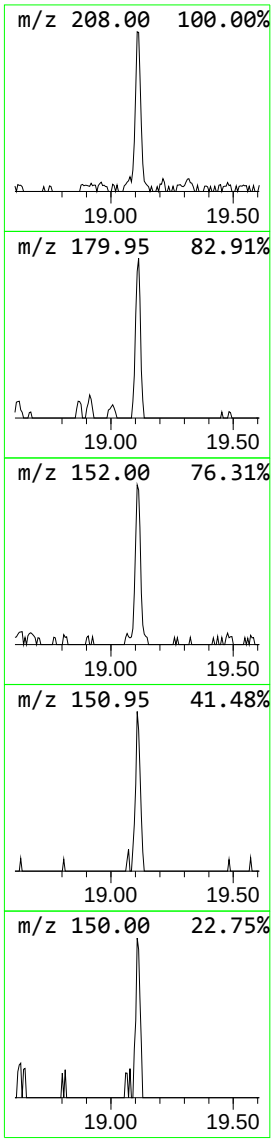
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.107	4.97 ng	37021	Phenanthrene-d10	17.714

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

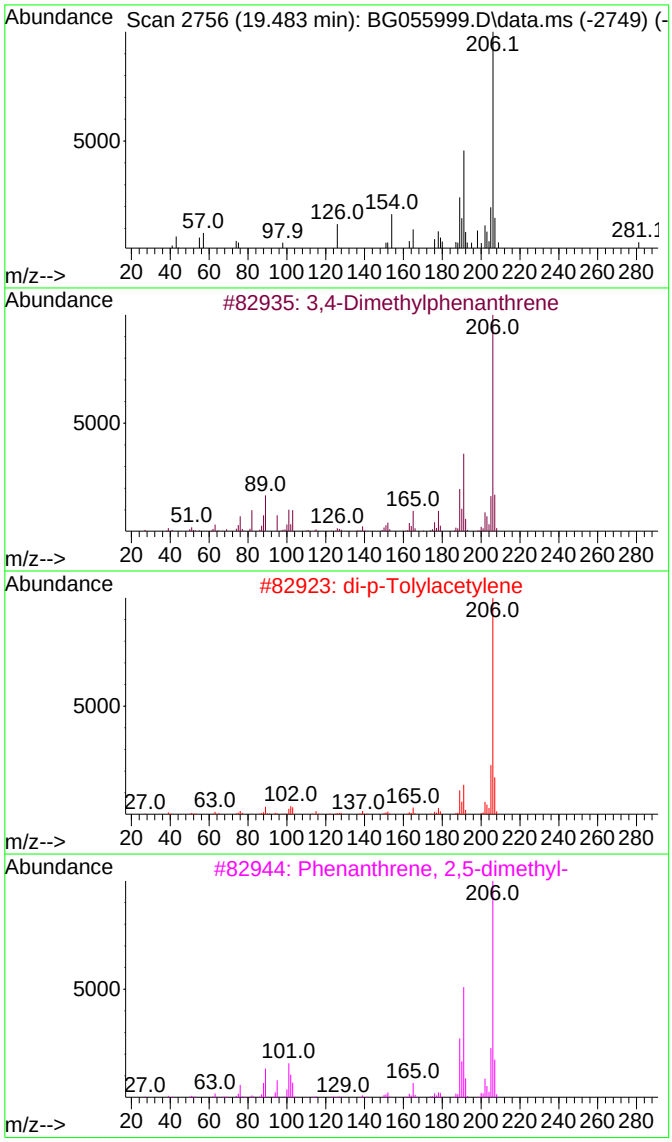
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

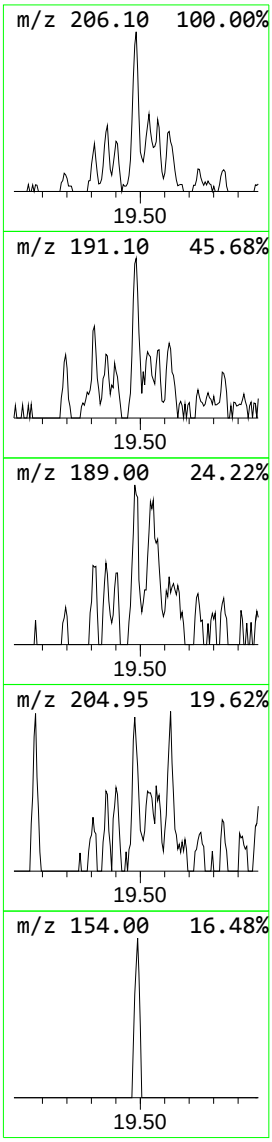
****

Peak Number 9 3,4-Dimethylphenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.483	4.27 ng	31789	Phenanthrene-d10	17.714

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

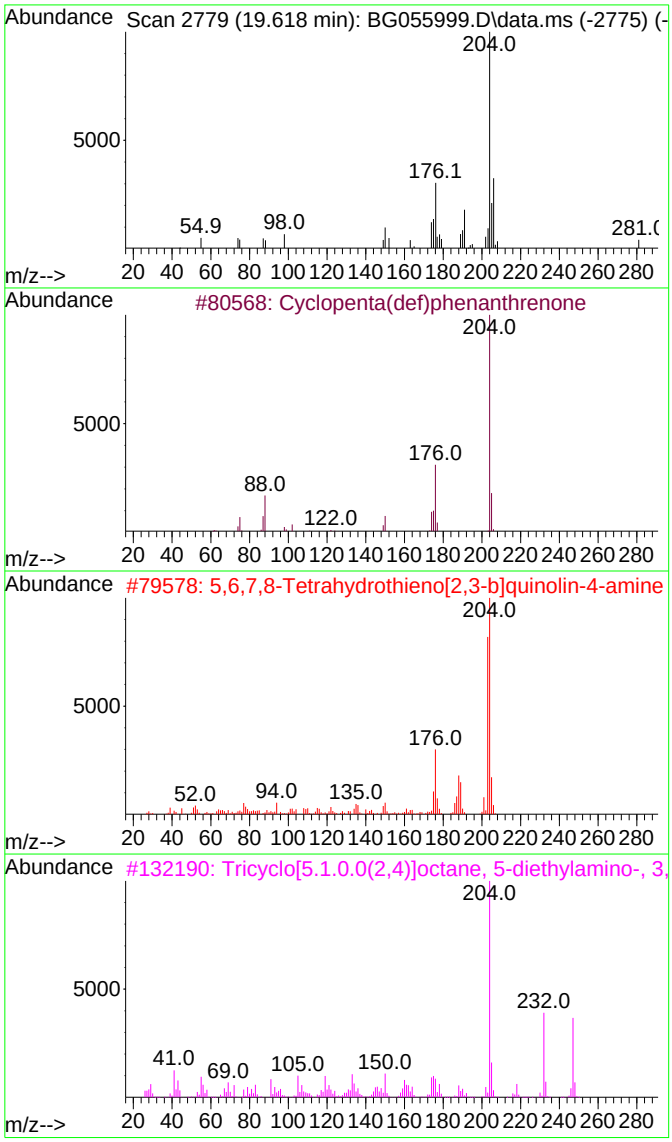
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

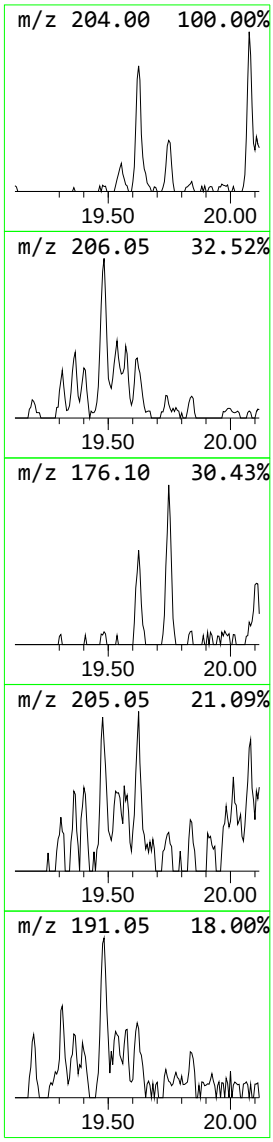
****

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.618	3.34 ng	24838	Phenanthrene-d10	17.714

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	68
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

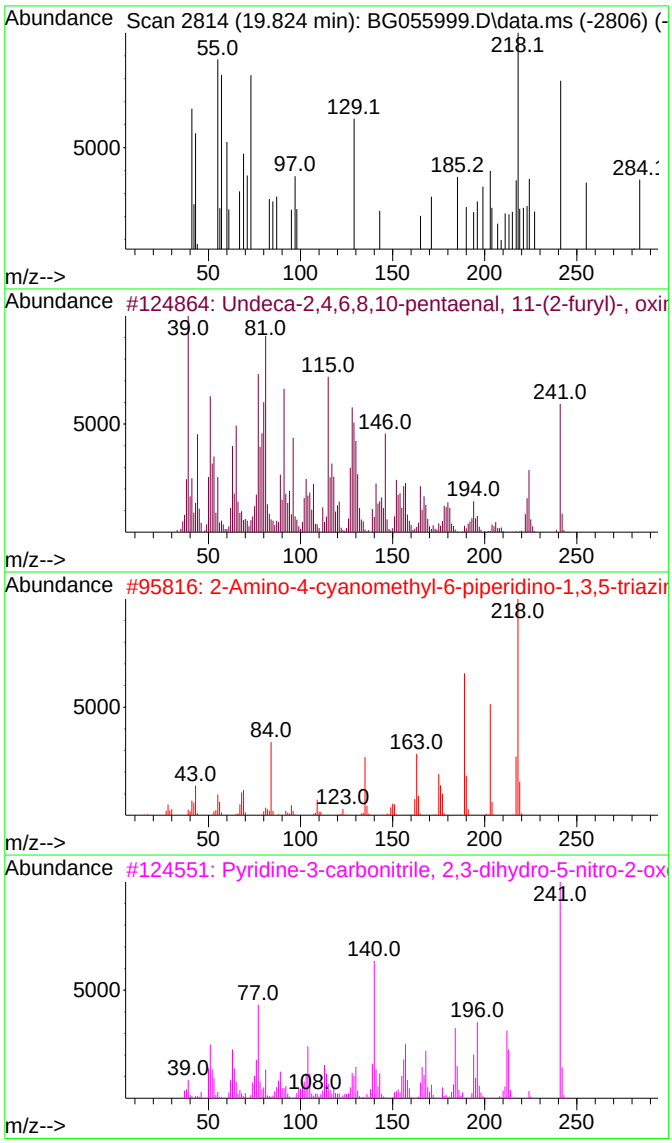
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

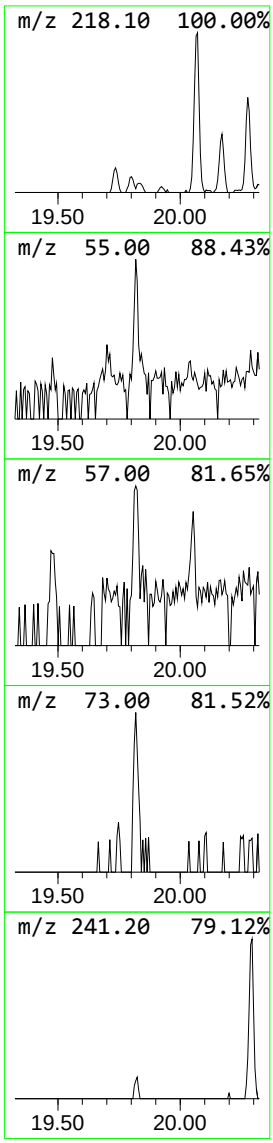
****

Peak Number 11 unknown19.824 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.824	4.20 ng	31253	Phenanthrene-d10	17.714

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undeca-2,4,6,8,10-pentaenal, 11-...	241	C15H15NO2	1000262-66-2	27
2	2-Amino-4-cyanomethyl-6-piperidi...	218	C10H14N6	1000241-05-9	18
3	Pyridine-3-carbonitrile, 2,3-dih...	241	C12H7N3O3	1000264-18-9	14
4	.beta.-Amyrin, TMS derivative	498	C33H58OSi	001721-67-1	12
5	6-(2-Hydroxyethyl)amino-3-ethylt...	241	C7H11N7OS	1000284-82-7	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

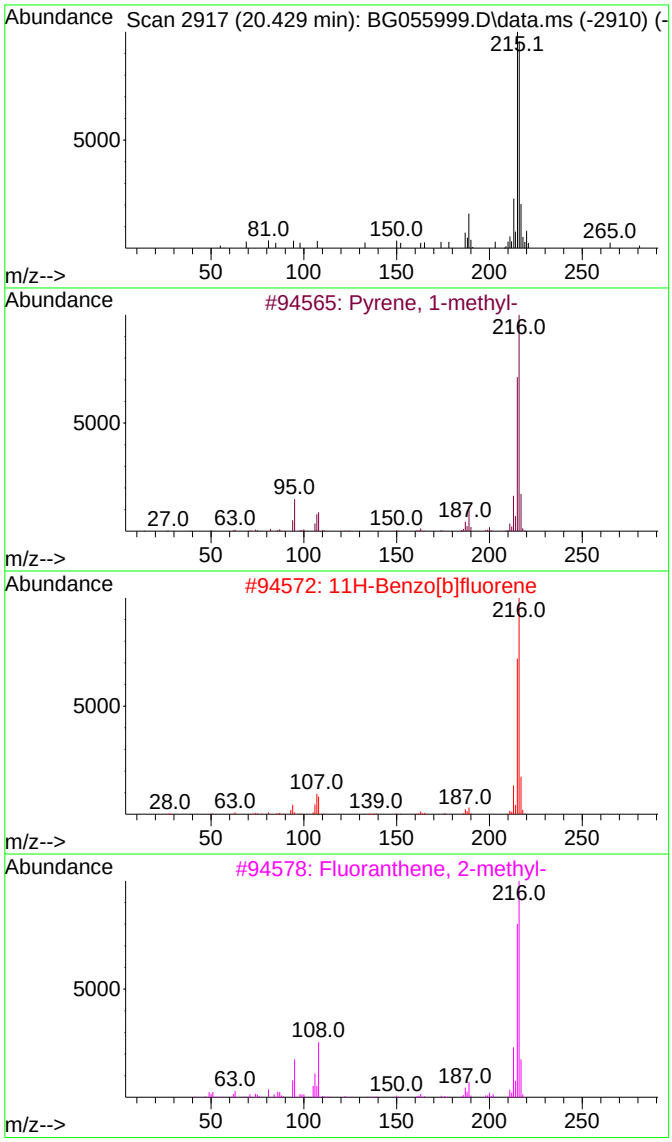
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

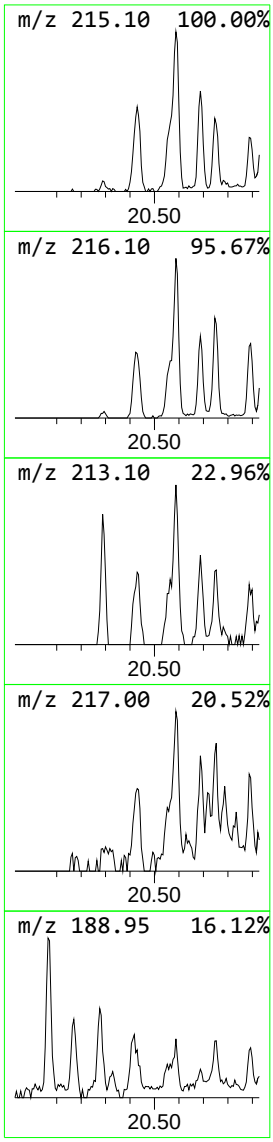
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.429	2.20 ng	55415	Chrysene-d12	22.027

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	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

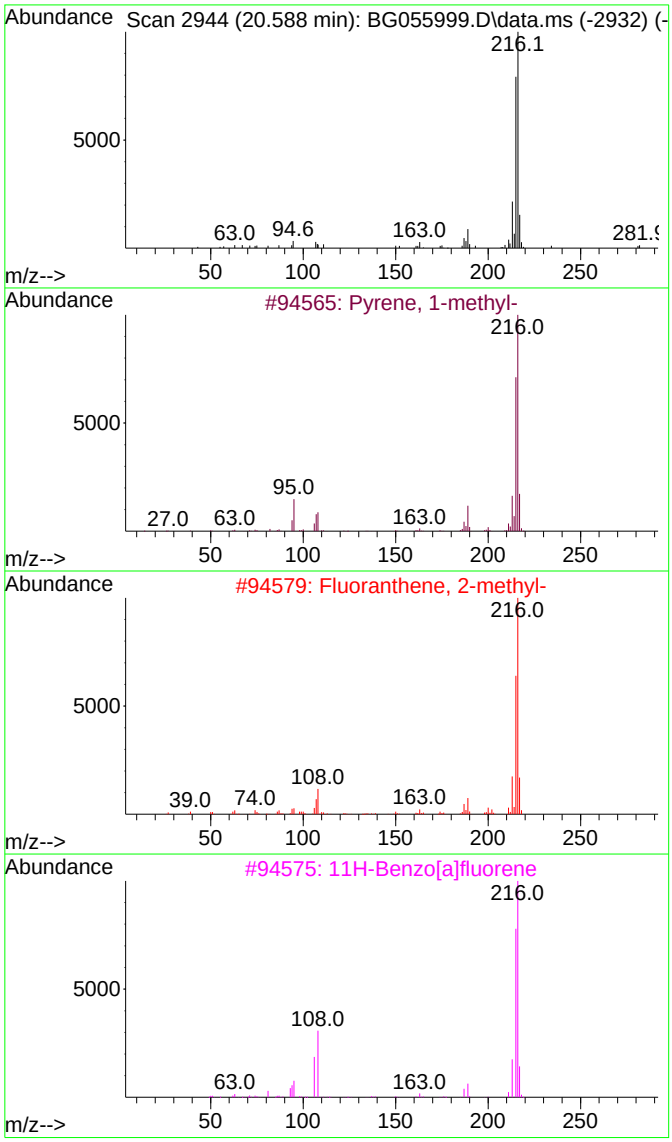
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

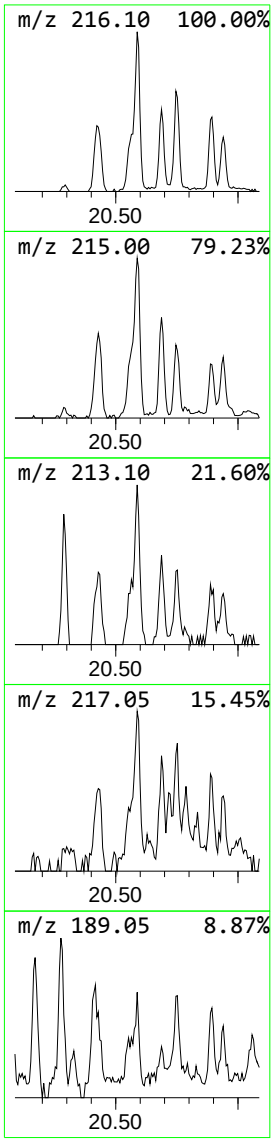
****

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.588	3.61 ng	91091	Chrysene-d12	22.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

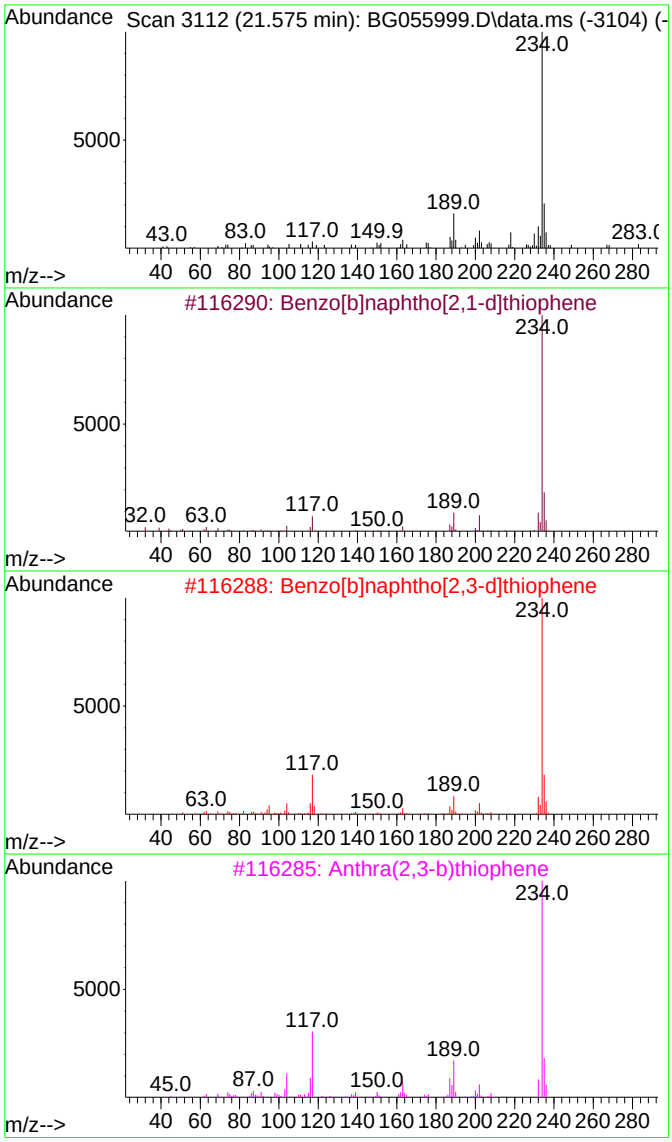
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

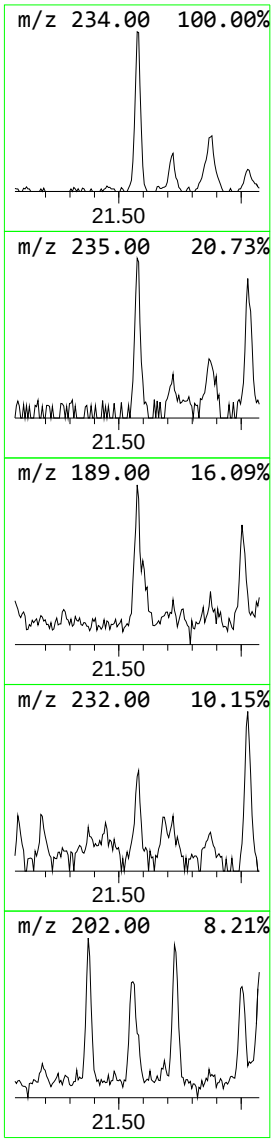
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.575	2.57 ng	64949	Chrysene-d12	22.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	83
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

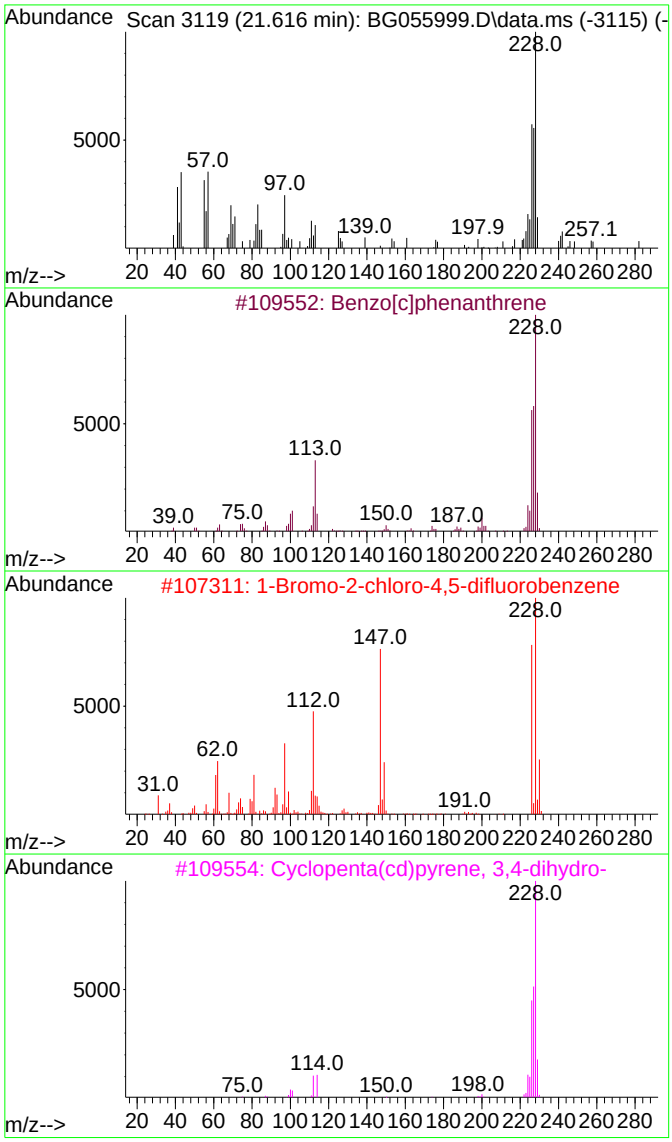
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

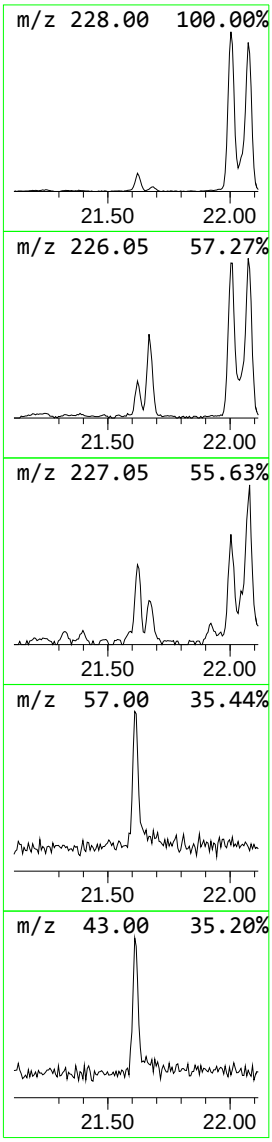
****

Peak Number 15 Benzo[c]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.616	3.07 ng	77538	Chrysene-d12	22.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50
2	1-Bromo-2-chloro-4,5-difluoroben...	226	C6H2BrClF2	1000512-66-6	50
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	50
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	43
5	2-Bromo-5-chloro-1,3-difluoroben...	226	C6H2BrClF2	883546-16-5	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

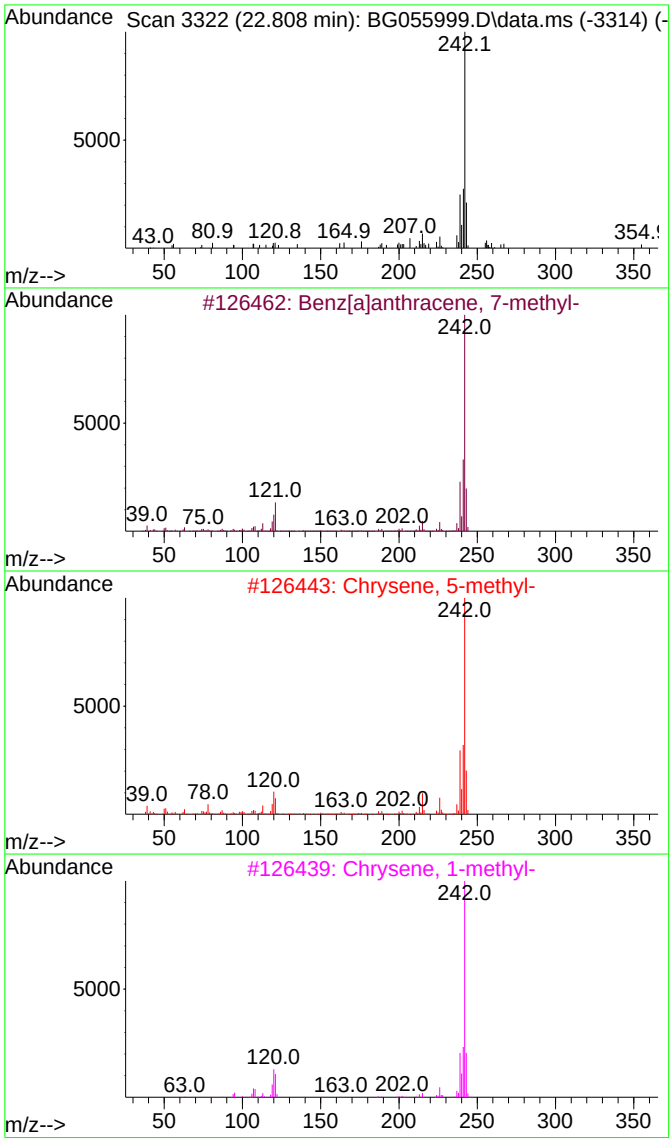
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

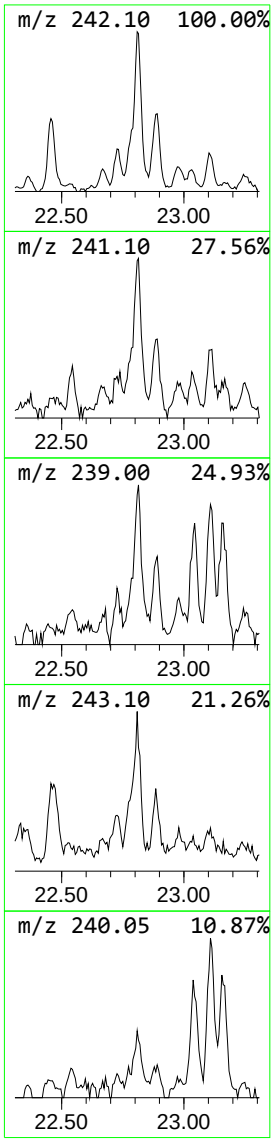
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benz[a]anthracene, 7-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.808	2.44 ng	61659	Chrysene-d12	22.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	81
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	81
5	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

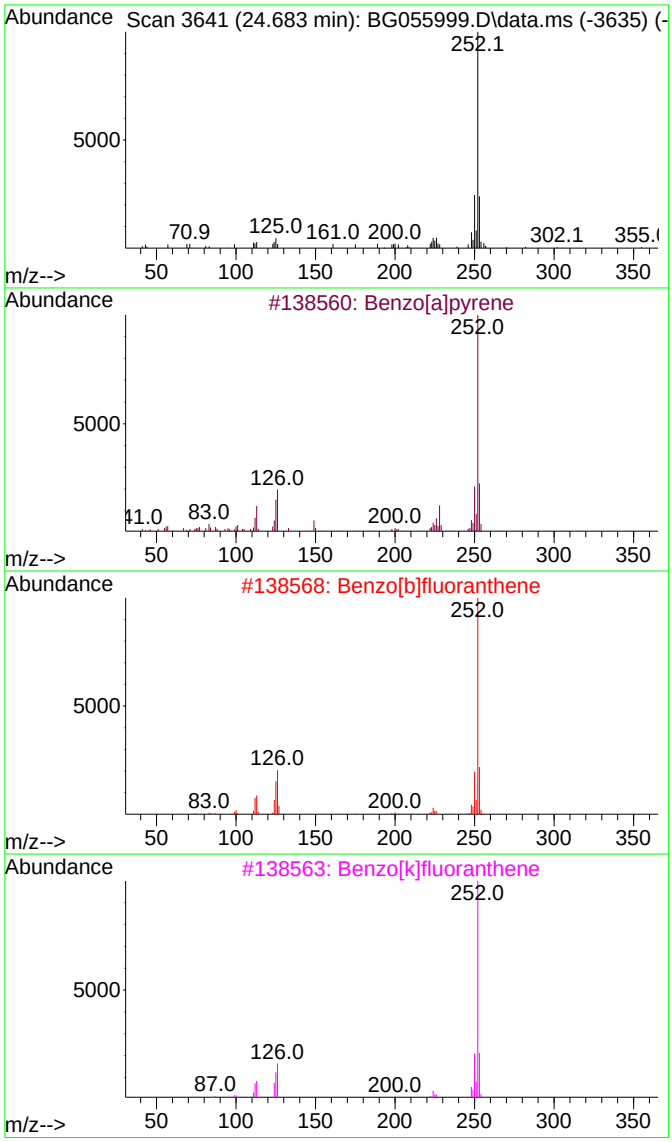
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

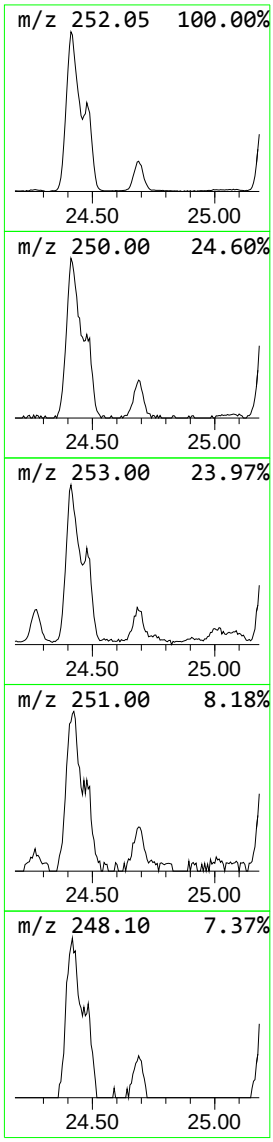
****

Peak Number 17 (1-Cyclopentenyl)ferrocene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.683	5.74 ng	63972	Perylene-d12	25.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	81
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	74
4	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	72
5	Perylene	252	C20H12	000198-55-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

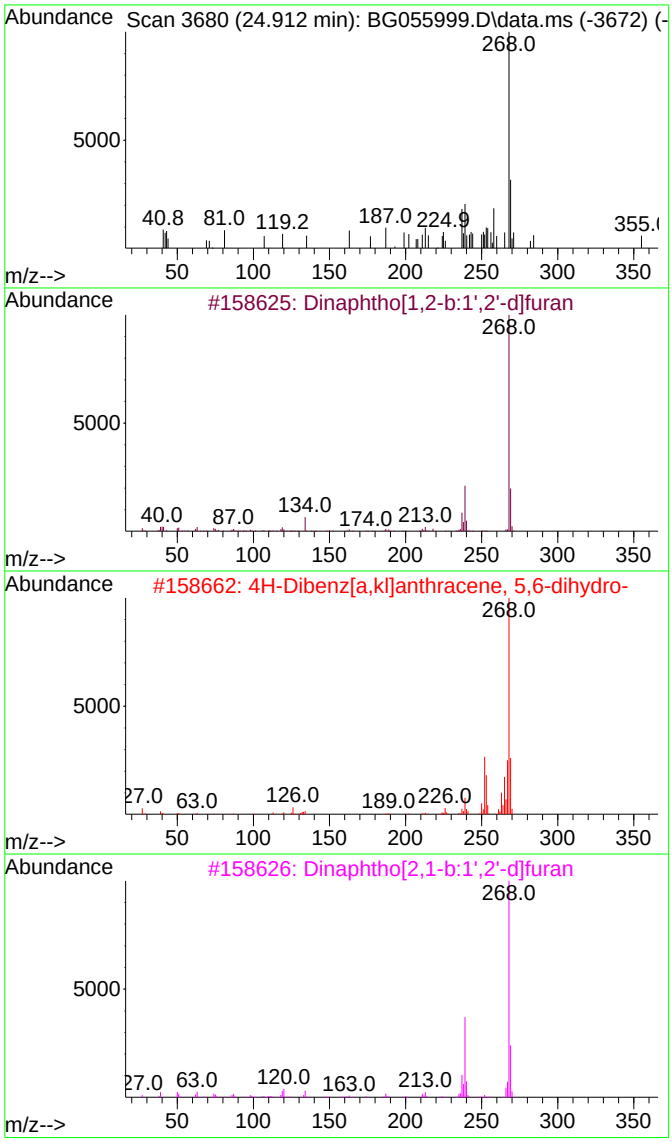
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

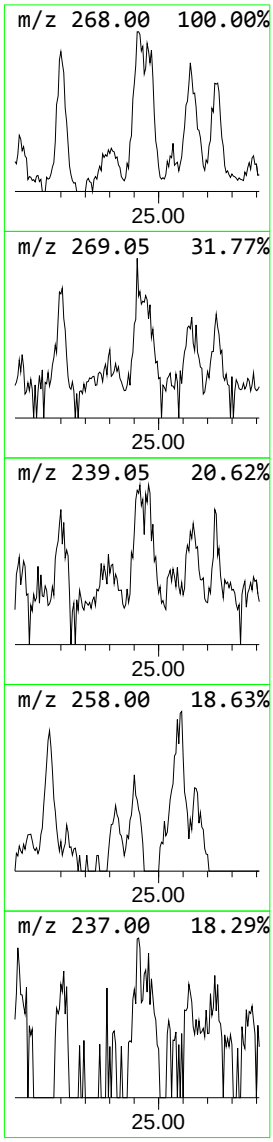
****

Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.912	3.20 ng	35678	Perylene-d12	25.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
2	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	59
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	53
4	2-Hydroxy-4,5-methylenedioxy-2-(...	268	C16H12O4	1000284-51-7	53
5	Diethylstilbestrol	268	C18H20O2	000056-53-1	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

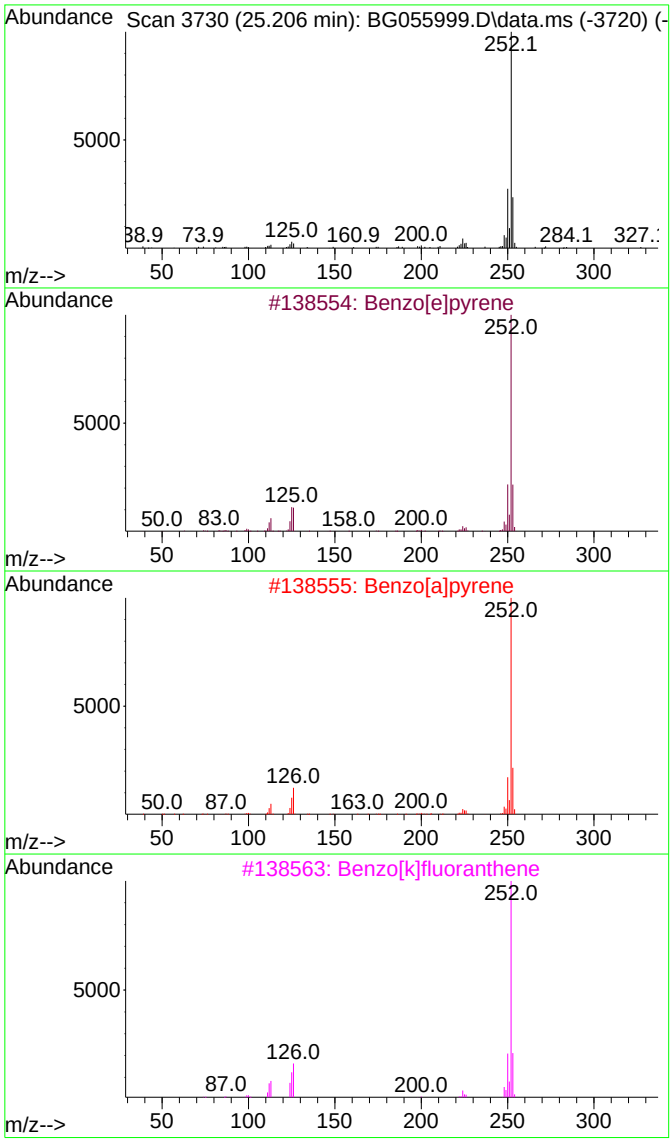
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

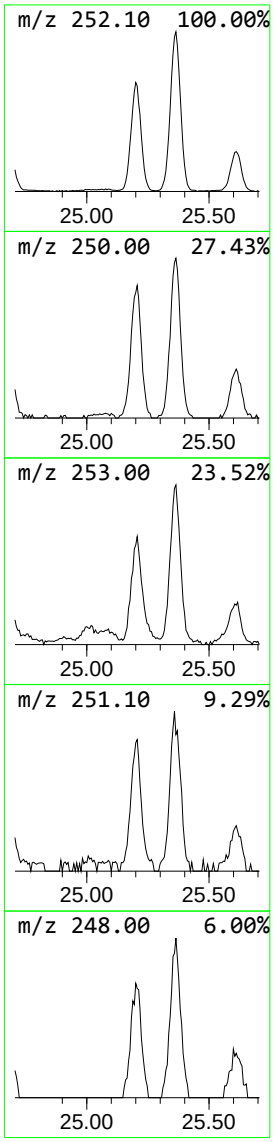
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.206	19.49 ng	217060	Perylene-d12	25.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

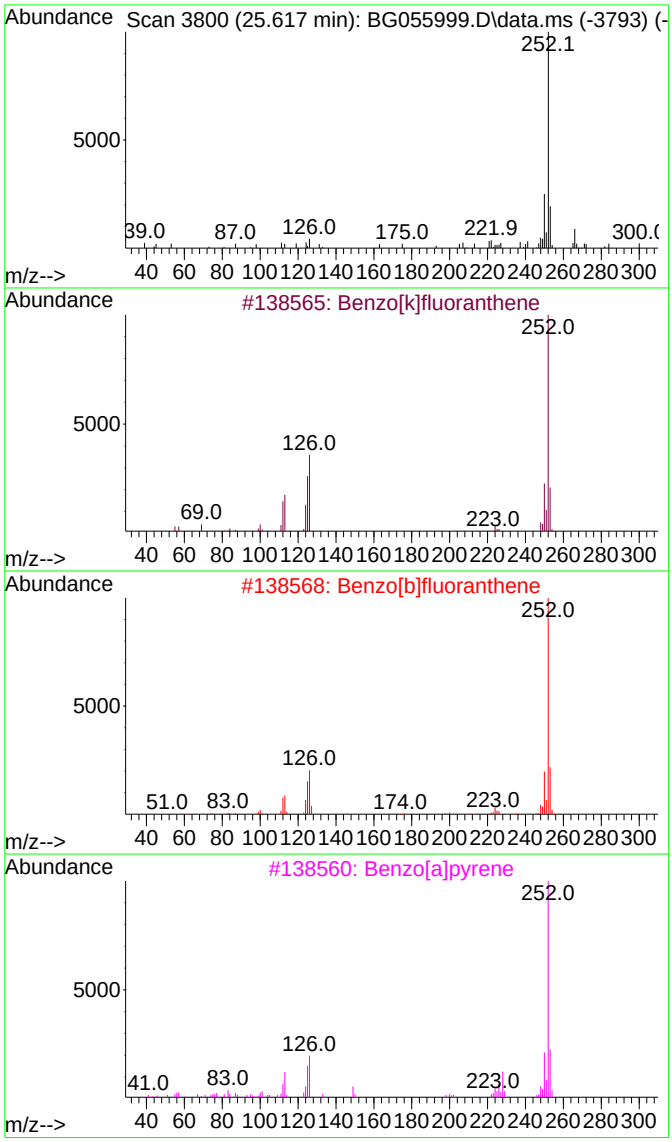
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

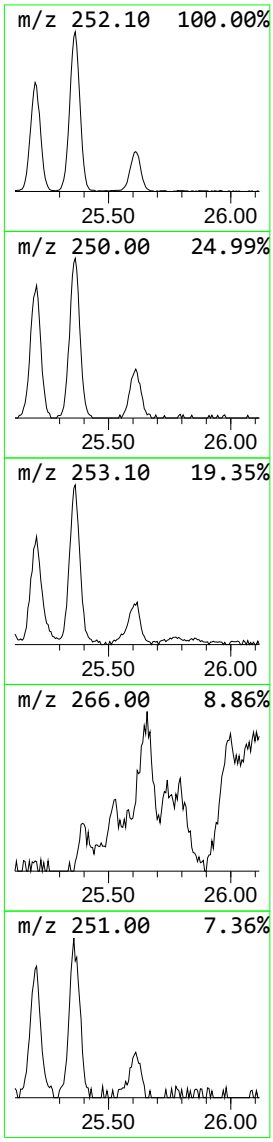
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Pyrido[2,3-b]quinolin-5(10)... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.617	7.41 ng	82556	Perylene-d12	25.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	64
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	64
3	Benzo[a]pyrene	252	C20H12	000050-32-8	59
4	Benzo[e]pyrene	252	C20H12	000192-97-2	59
5	Pyrido[2,3-b]quinolin-5(10)-one,...	252	C16H16N2O	309724-82-1	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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
Butane, 2-metho...	3.402	12.7	ng	24032	1	8.372	37944	20.0
2-Pentanone, 4-...	5.417	8.9	ng	16915	1	8.372	37944	20.0
Benzophenone	16.316	15.6	ng	71032	3	14.977	91278	20.0
n-Hexadecanoic ...	18.566	10.0	ng	74178	4	17.714	148829	20.0
Phenanthrene, 1...	18.631	5.1	ng	37778	4	17.714	148829	20.0
Benzaldehyde, 3...	18.778	6.0	ng	44323	4	17.714	148829	20.0
9,10-Bis(bromom...	19.072	3.3	ng	24193	4	17.714	148829	20.0
9,10-Anthracene...	19.107	5.0	ng	37021	4	17.714	148829	20.0
3,4-Dimethylphe...	19.483	4.3	ng	31789	4	17.714	148829	20.0
Cyclopenta(def)...	19.618	3.3	ng	24838	4	17.714	148829	20.0
unknown19.824	19.824	4.2	ng	31253	4	17.714	148829	20.0
Pyrene, 1-methyl-	20.429	2.2	ng	55415	5	22.027	504833	20.0
Fluoranthene, 2...	20.588	3.6	ng	91091	5	22.027	504833	20.0
Benzo[b]naphtho...	21.575	2.6	ng	64949	5	22.027	504833	20.0
Benzo[c]phenant...	21.616	3.1	ng	77538	5	22.027	504833	20.0
Benz[a]anthrace...	22.808	2.4	ng	61659	5	22.027	504833	20.0
(1-Cyclopenteny...	24.683	5.7	ng	63972	6	25.529	222722	20.0
Dinaphtho[1,2-b...	24.912	3.2	ng	35678	6	25.529	222722	20.0
Benzo[e]pyrene	25.206	19.5	ng	217060	6	25.529	222722	20.0
Pyrido[2,3-b]qu...	25.617	7.4	ng	82556	6	25.529	222722	20.0