LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(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: BG056055.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.881	435	441	447	rBB	24783	38427	4.81%	0.504%
2	7.491	709	715	721	rBB2	27413	44931	5.63%	0.590%
3	8.360	857	863	870	rBB	42672	69156	8.66%	0.907%
4	9.529	1056	1062	1068	rBB2	15911	27665	3.47%	0.363%
5	11.198	1339	1346	1352	rBV	56145	98524	12.34%	1.293%
6	13.595	1748	1754	1762	rBB	55538	81689	10.23%	1.072%
7	14.970	1980	1988	1994	rBB	98195	154422	19.34%	2.026%
8	16.304	2210	2215	2220	rVB3	7463	11470	1.44%	0.151%
9	16.445	2233	2239	2247	rVB	64759	92071	11.53%	1.208%
10	17.232	2366	2373	2376	rBV6	8423	15356	1.92%	0.202%
11	17.426	2401	2406	2413	rBV4	8896	18911	2.37%	0.248%
12	17.708	2446	2454	2458	rBV	134420	207198	25.95%	2.719%
13	17.749	2458	2461	2466	rVB	29180	40139	5.03%	0.527%
14	17.837	2470	2476	2480	rBV	24502	34080	4.27%	0.447%
15	17.878	2480	2483	2490	rVB3	6040	12533	1.57%	0.164%
16	18.131	2523	2526	2537	rVB5	8916	22811	2.86%	0.299%
17	18.219	2537	2541	2545	rBV	7188	9935	1.24%	0.130%
18	18.548	2590	2597	2599	rBV6	19979	30034	3.76%	0.394%
19	18.619	2606	2609	2614	rVB2	29743	44783	5.61%	0.588%
20	18.701	2616	2623	2628	rBV	37542	58276	7.30%	0.765%
21	18.772	2628	2635	2639	rBV3	69233	134680	16.87%	1.767%
22	19.059	2678	2684	2688	rBV	26120	43359	5.43%	0.569%
23	19.101	2688	2691	2696	rVV4	7399	10061	1.26%	0.132%
24	19.265	2715	2719	2721	rBV5	5476	8400	1.05%	0.110%
25	19.300	2721	2725	2729	rVV2	15264	22119	2.77%	0.290%
26	19.347	2729	2733	2737	rVV2	20138	27424	3.43%	0.360%
27	19.388	2737	2740	2745	rVB	13596	18037	2.26%	0.237%
28	19.465	2748	2753	2760	rVV2	42174	89325	11.19%	1.172%
29	19.541	2761	2766	2773	rVV3	29922	83054	10.40%	1.090%
30	19.612	2774	2778	2787	rVB3	33819	73581	9.22%	0.966%
31	19.741	2793	2800	2805	rBV	433758	628516	78.72%	8.247%
32	19.823	2812	2814	2819	rVB2	19926	26920	3.37%	0.353%
33	19.982	2834	2841	2849	rVB3	22913	58580	7.34%	0.769%
34	20.064	2849	2855	2857	rBV2	112365	181267	22.70%	2.379%
35	20.099	2857	2861	2868	rVV	452419	653862	81.90%	8.580%
36	20.164	2868	2872	2877	rVB2	39094	61835	7.75%	0.811%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(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	20.276	2885	2891	2895	rBV2	138970	202530	25.37%	2.658%
38	20.334	2896	2901	2906	rVB	38256	64129	8.03%	0.842%
39	20.417	2908	2915	2921	rBV3	59730	163831	20.52%	2.150%
40	20.581	2931	2943	2947	rBV2	124286	258985	32.44%	3.398%
41	20.681	2955	2960	2963	rBV	71316	101066	12.66%	1.326%
42	20.740	2963	2970	2974	rVB2	62822	139182	17.43%	1.826%
43	20.881	2990	2994	2998	rBV	41916	63750	7.98%	0.837%
44	20.928	2999	3002	3011	rVB2	43228	81058	10.15%	1.064%
45	21.316	3066	3068	3072	rBV4	14673	17006	2.13%	0.223%
46	21.368	3073	3077	3082	rVB	57039	88638	11.10%	1.163%
47	21.609	3114	3118	3122	rVB	52965	88257	11.05%	1.158%
48	21.668	3123	3128	3132	rVV2	60106	107272	13.44%	1.408%
49	21.721	3133	3137	3144	rVB2	56607	106498	13.34%	1.397%
50	21.997	3178	3184	3191	rBV2	322091	798381	100.00%	10.476%
51	22.068	3191	3196	3208	rVB	231905	452173	56.64%	5.933%
52	22.226	3219	3223	3232	rBV	50564	92246	11.55%	1.210%
53	22.450	3257	3261	3268	rVB3	32647	61264	7.67%	0.804%
54	22.796	3316	3320	3326	rVB2	64176	115564	14.47%	1.516%
55	24.406	3584	3594	3600	rBV2	152224	562595	70.47%	7.382%
56	25.188	3722	3727	3740	rVB	83123	253410	31.74%	3.325%
57	25.346	3746	3754	3769	rVB	130856	432585	54.18%	5.676%
58	25.505	3776	3781	3791	rVB2	51396	136923	17.15%	1.797%

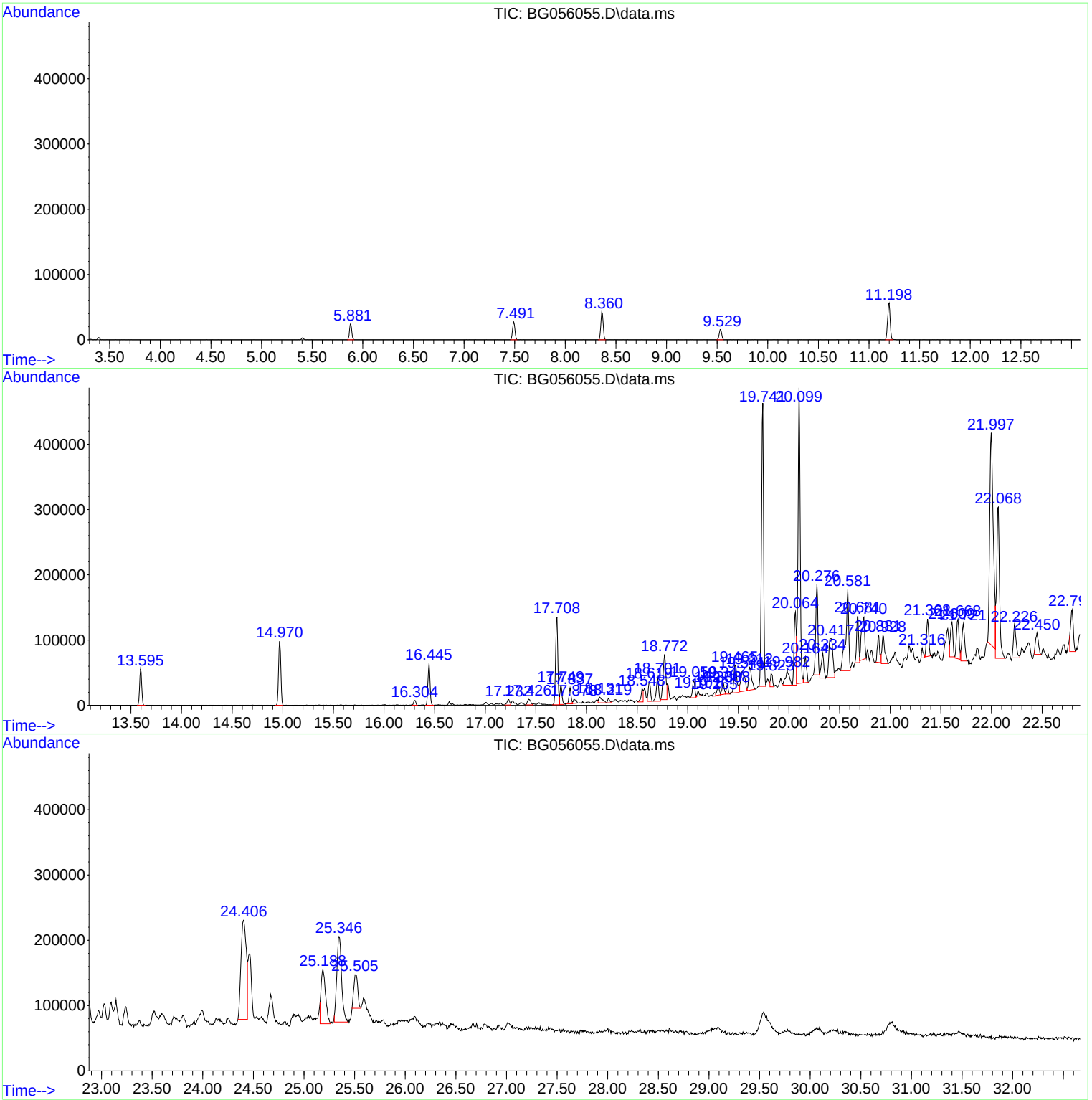
Sum of corrected areas: 7620774

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(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\BG122122\
Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(0-2)

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

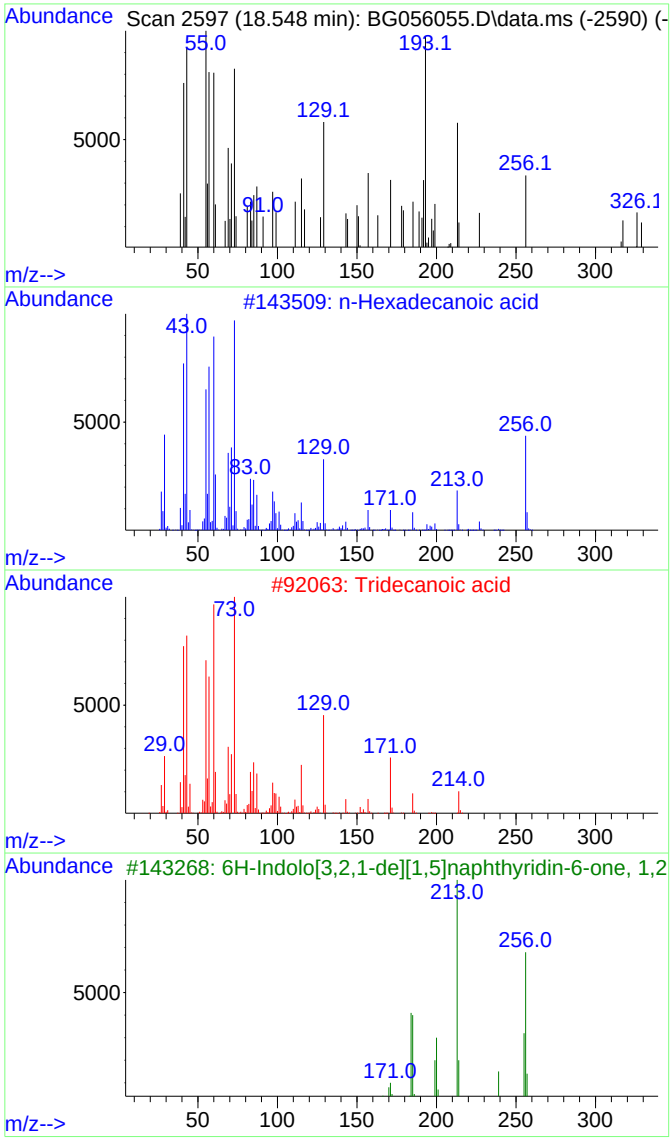
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

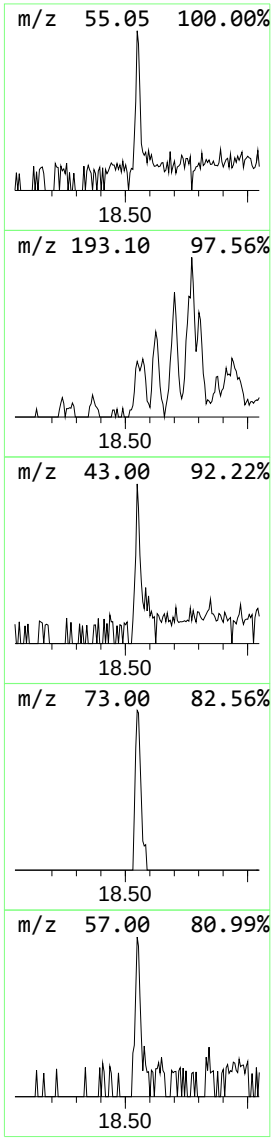
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.548	2.90 ng	30034	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
2	Tridecanoic acid	214	C13H26O2	000638-53-9	42
3	6H-Indolo[3,2,1-de][1,5]naphthyr...	256	C15H16N2O2	050630-67-6	25
4	Dodecanoic acid	200	C12H24O2	000143-07-7	22
5	Pyrrole-2-carboxylic acid, 4-(1-...	339	C19H30ClNO2	1000295-53-6	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(0-2)

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

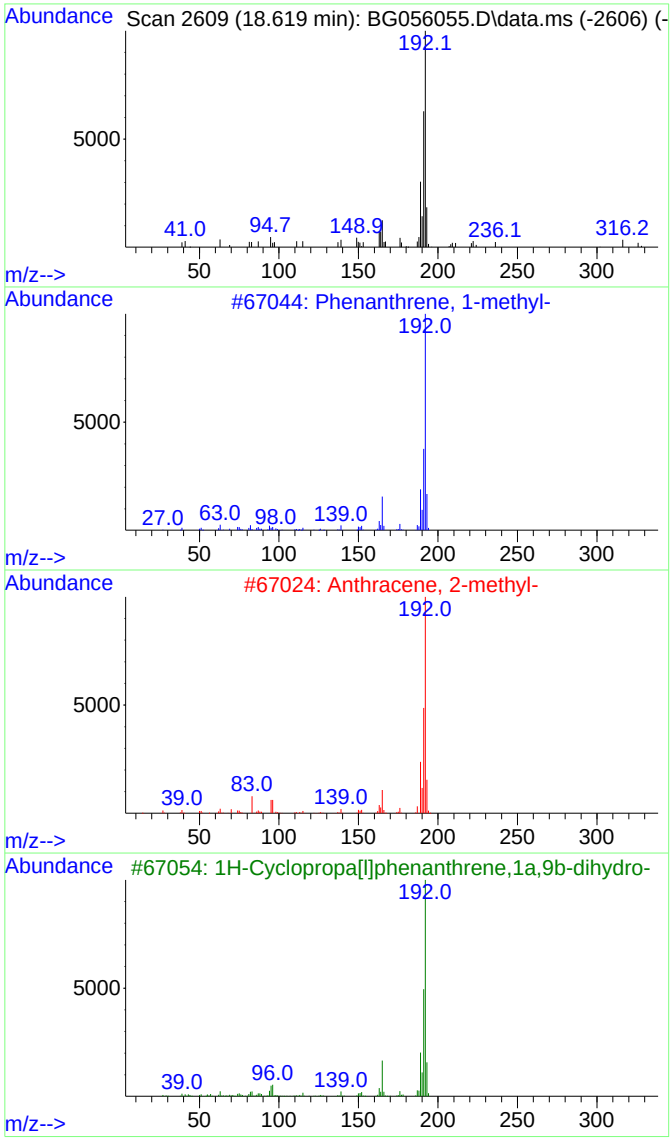
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

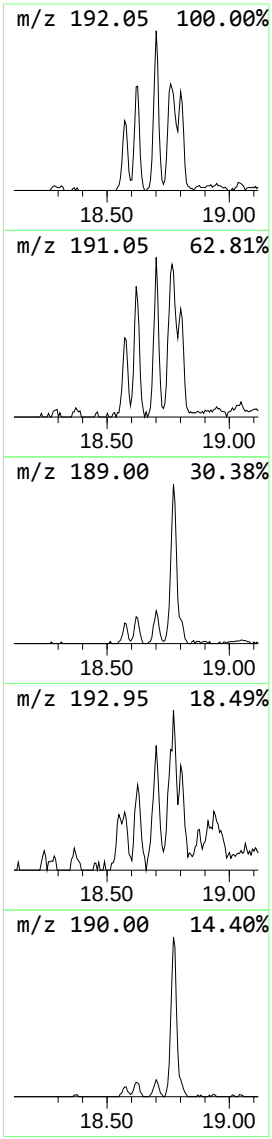
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.619	4.32 ng	44783	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(0-2)

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

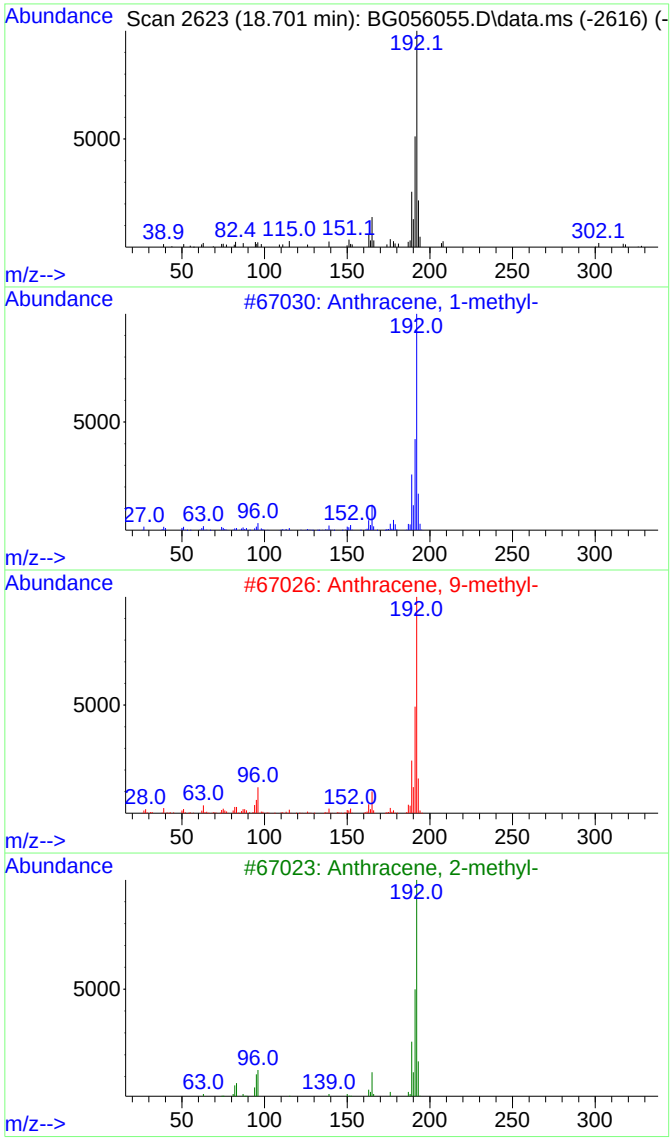
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

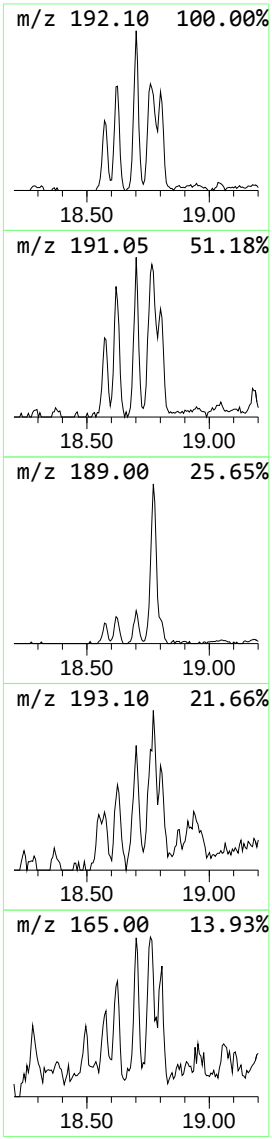
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.701	5.63 ng	58276	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(0-2)

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

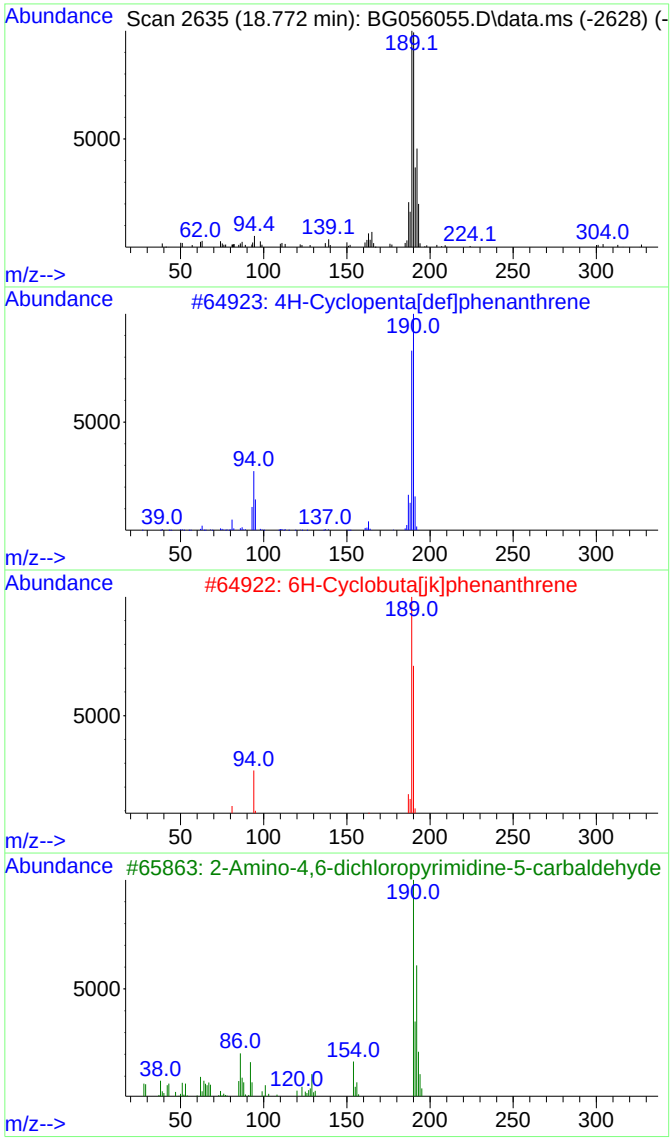
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

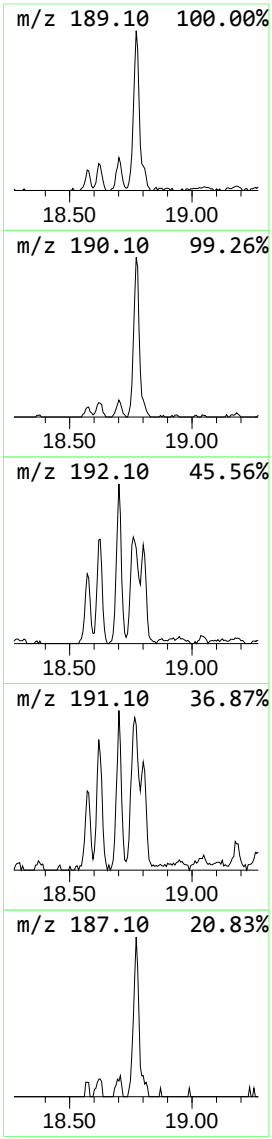
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.772	13.00 ng	134680	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2-Amino-4,6-dichloropyrimidine-5...	191	C5H3Cl2N3O	005604-46-6	43
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	Methyl diselenide	190	C2H6Se2	007101-31-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(0-2)

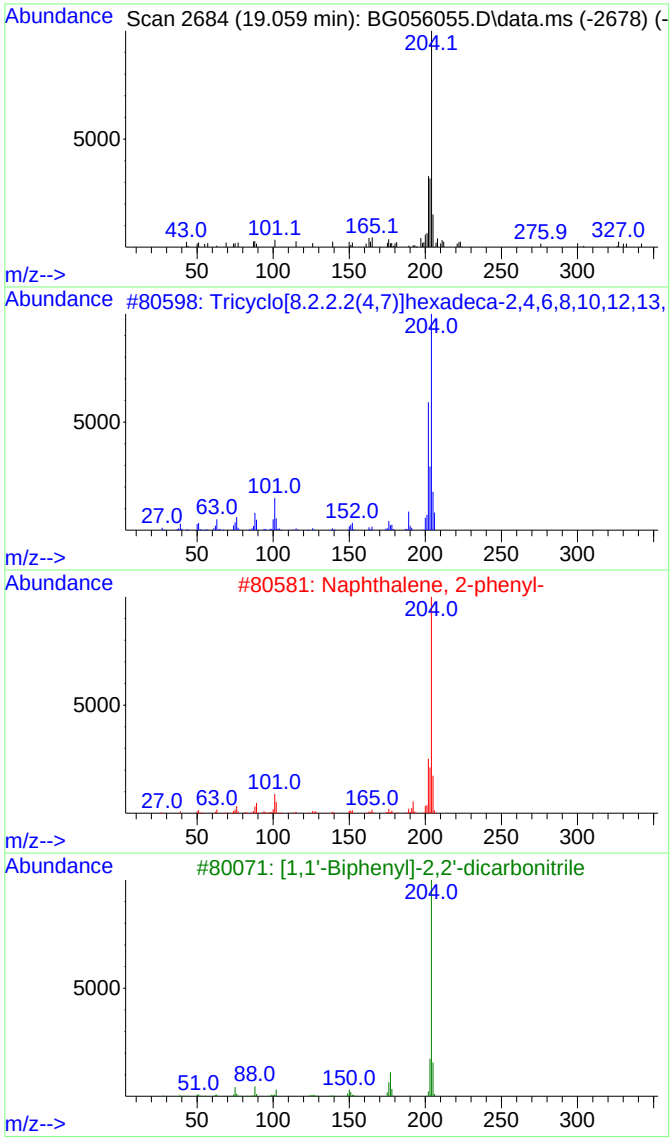
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

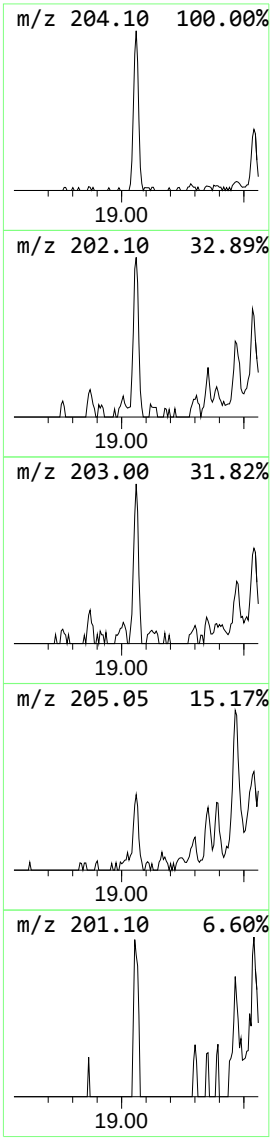
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.059	4.19 ng	43359	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53
5	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(0-2)

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

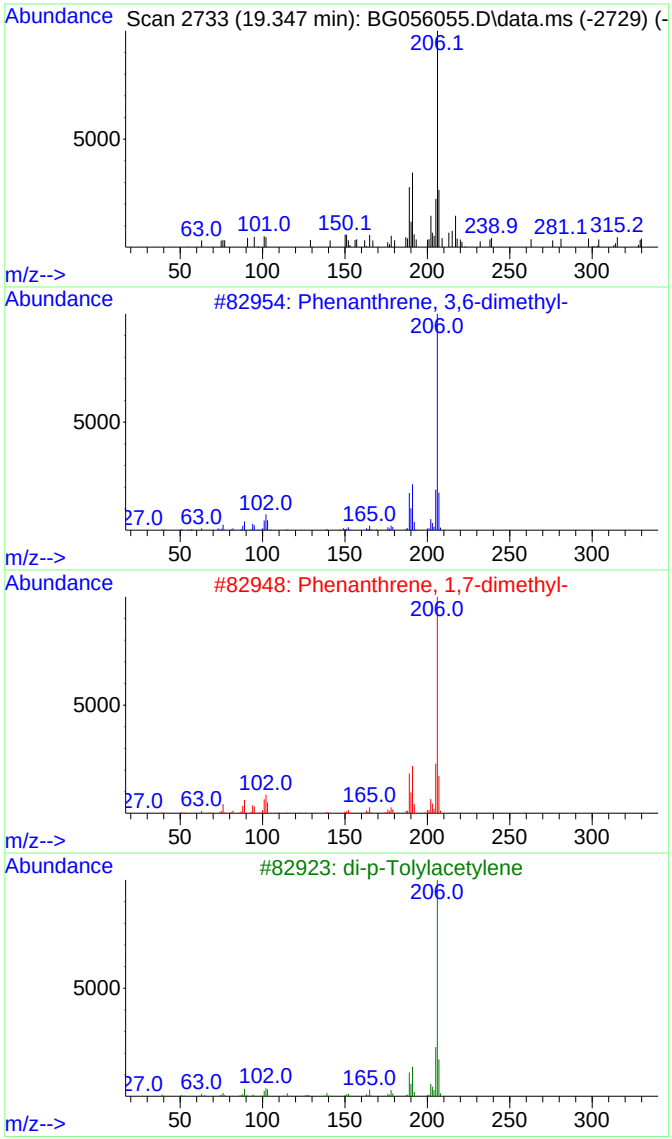
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

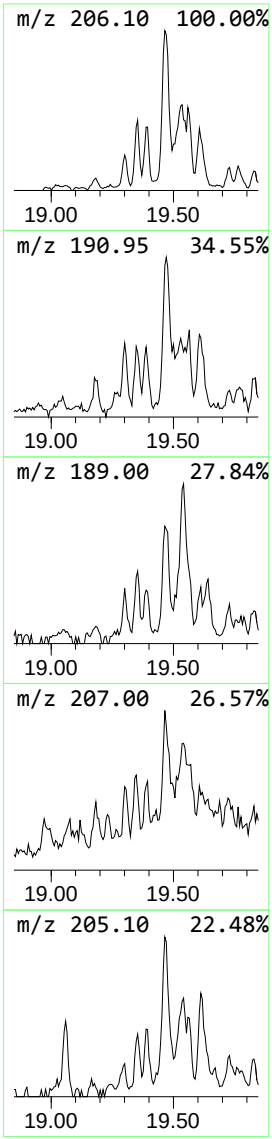
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.347	2.65 ng	27424	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	74
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	74
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	72
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(0-2)

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

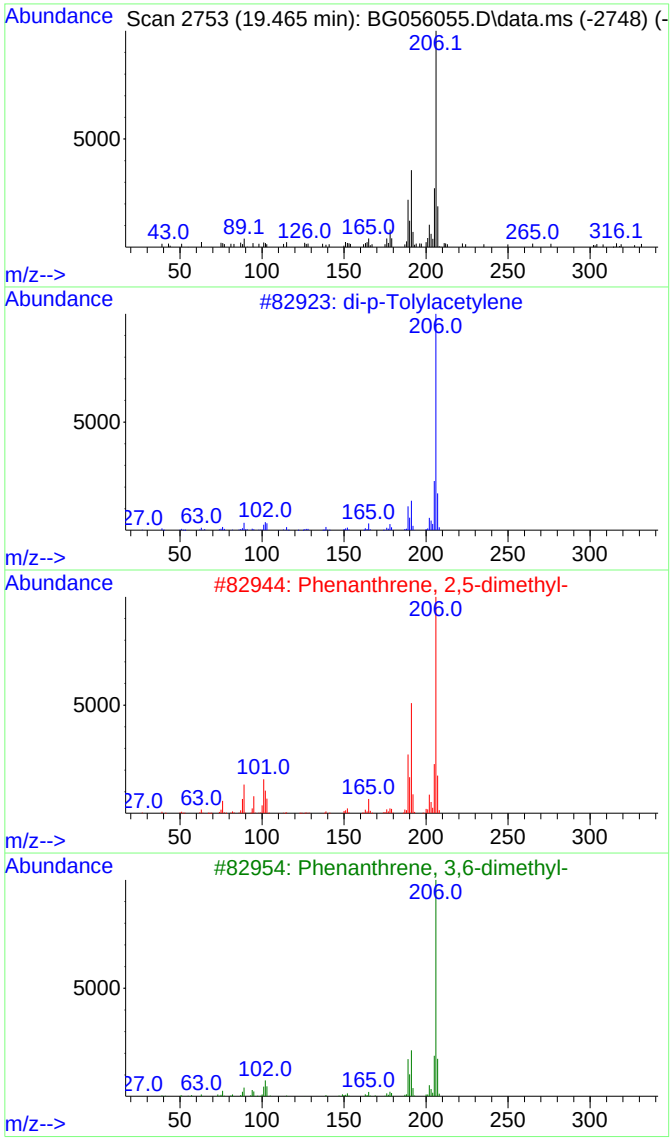
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

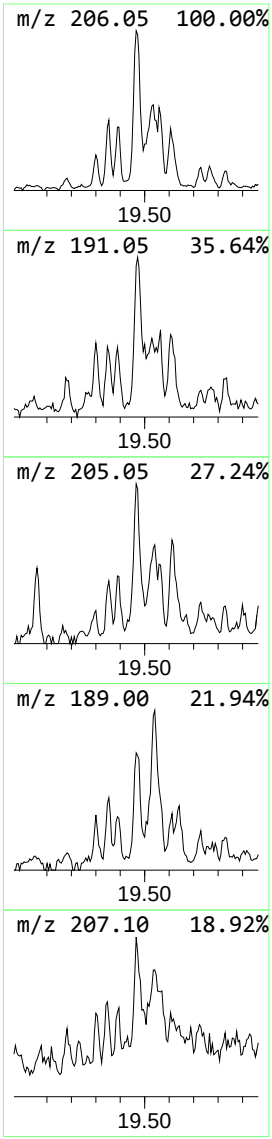
****

Peak Number 7 di-p-Tolylacetylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.465	8.62 ng	89325	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(0-2)

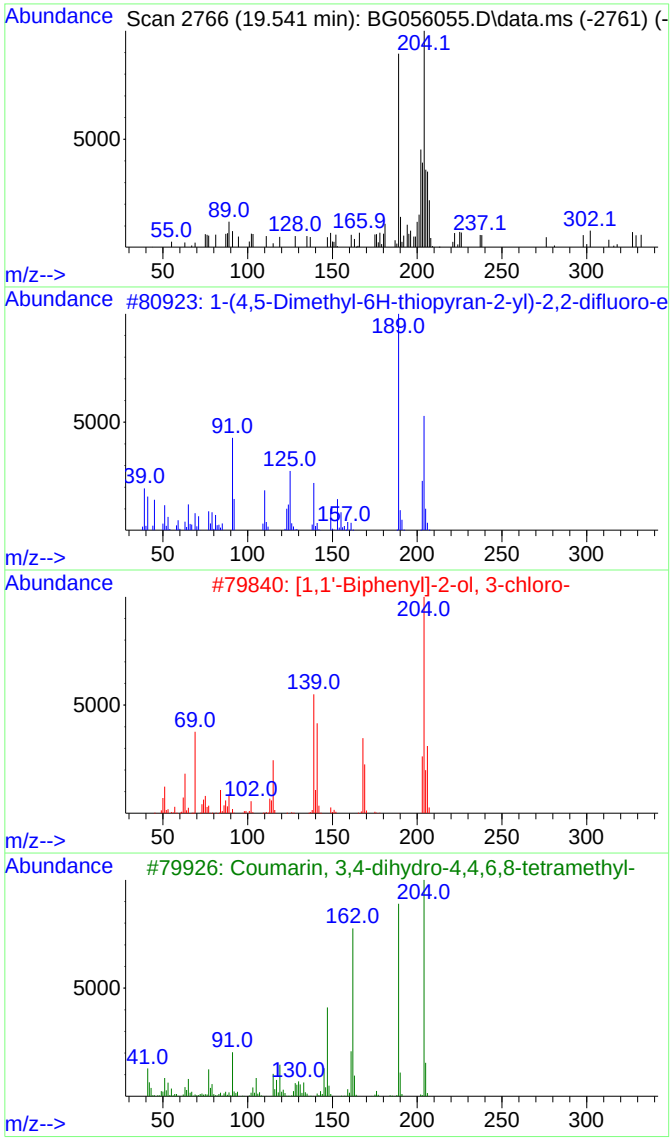
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

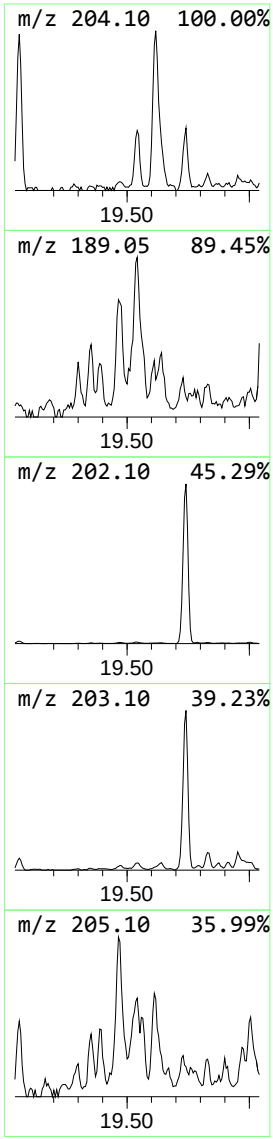
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1-(4,5-Dimethyl-6H-thiopyra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.541	8.02 ng	83054	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	52
2	[1,1'-Biphenyl]-2-ol, 3-chloro-	204	C12H9ClO	000085-97-2	43
3	Coumarin, 3,4-dihydro-4,4,6,8-te...	204	C13H16O2	249629-60-5	43
4	1-Isopropyl-1H-benzimidazole-5-c...	204	C11H12N2O2	284673-16-1	43
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	35





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Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(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

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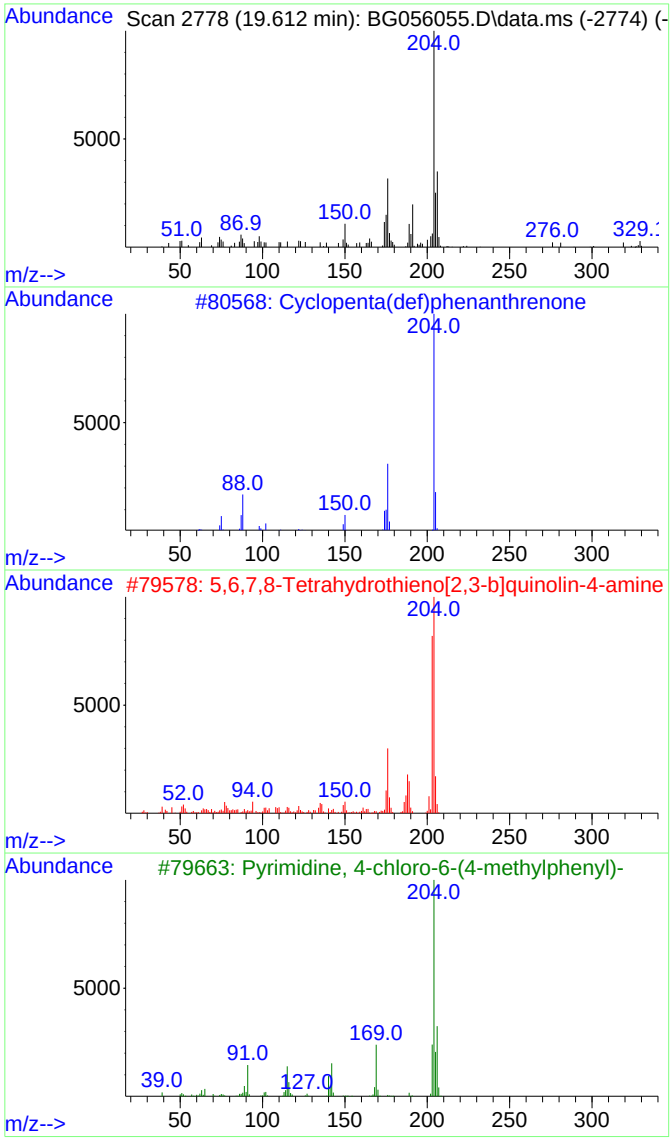
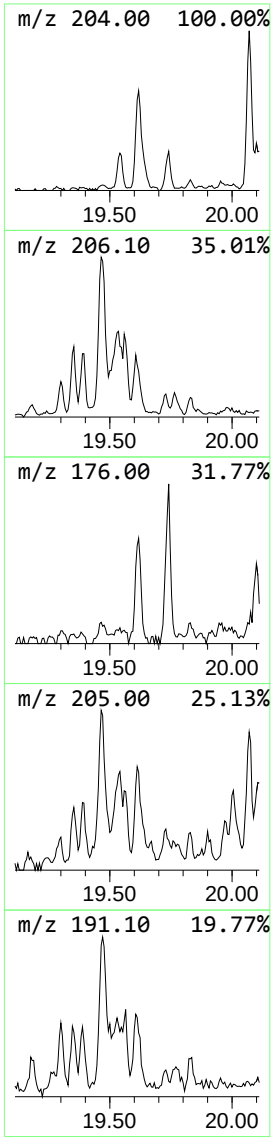
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.612	7.10 ng	73581	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
3	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	47
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	1-(4-Methoxyphenyl)-5-methyl-2,3...	204	C11H12N2O2	014058-90-3	46





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Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(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

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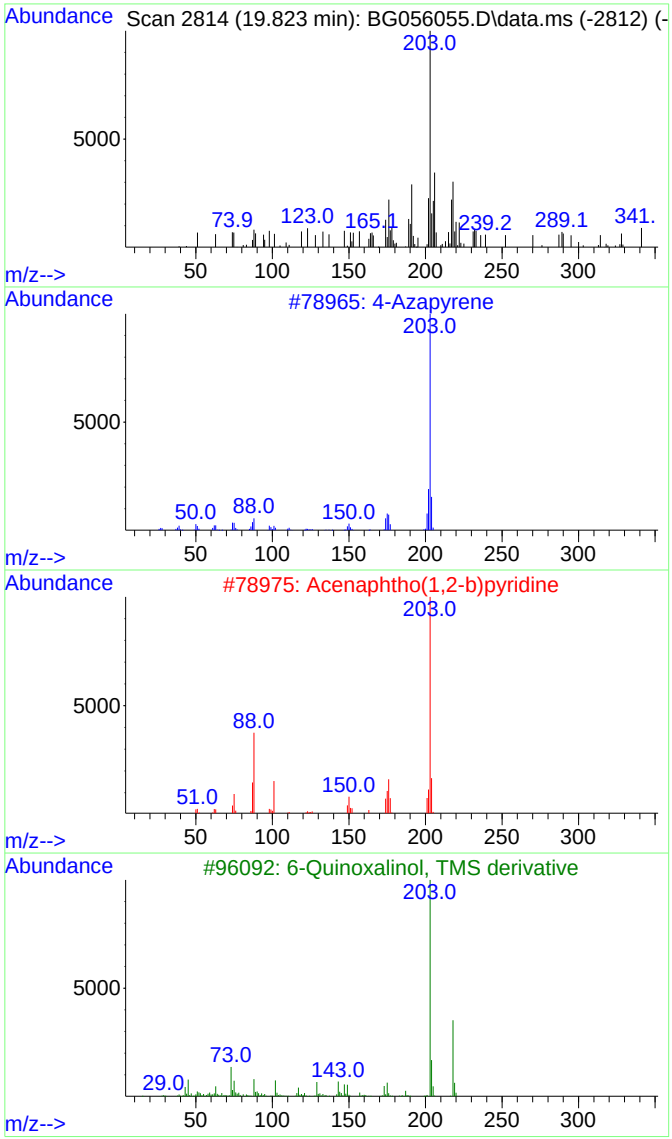
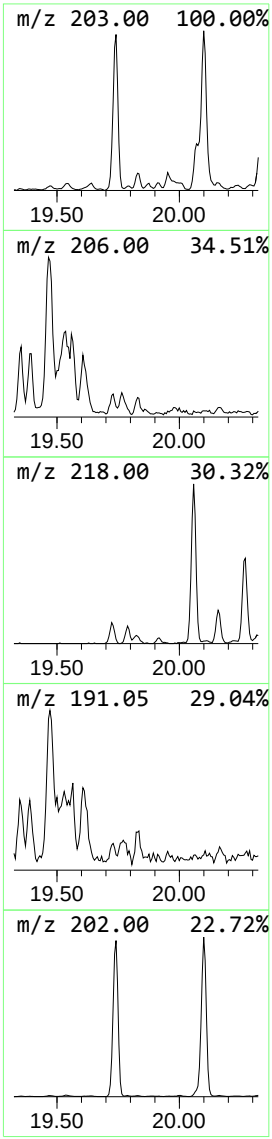
Peak Number 10 unknown19.823 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.823	2.60 ng	26920	Phenanthrene-d10	17.708

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Azapyrene	203	C15H9N	000194-03-6	35
2	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	35
3	6-Quinoxalinol, TMS derivative	218	C11H14N2OSi	1000474-34-3	30
4	4-Chloroimidazo[1,2-a]quinoxaline	203	C10H6ClN3	191349-69-6	27
5	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	27





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Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(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

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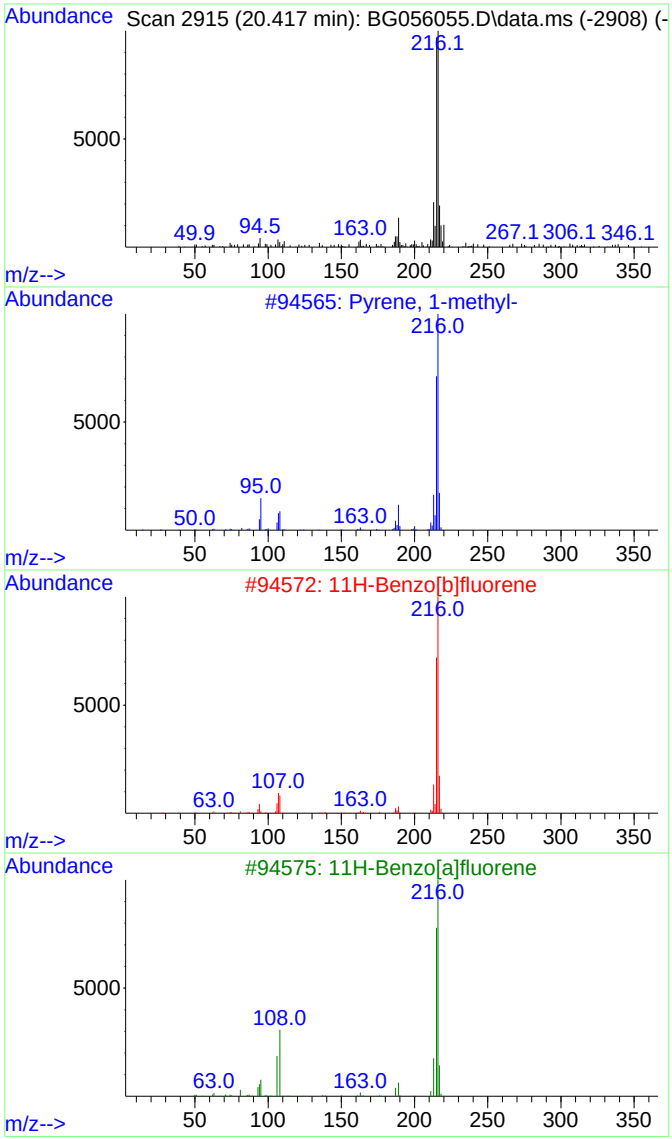
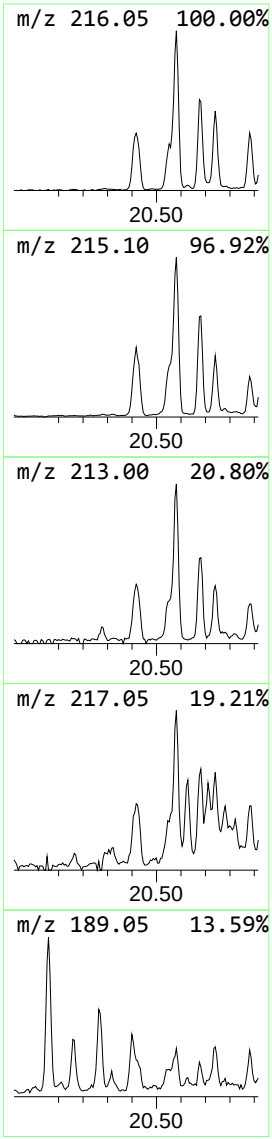
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.417	4.10 ng	163831	Chrysene-d12	22.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(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

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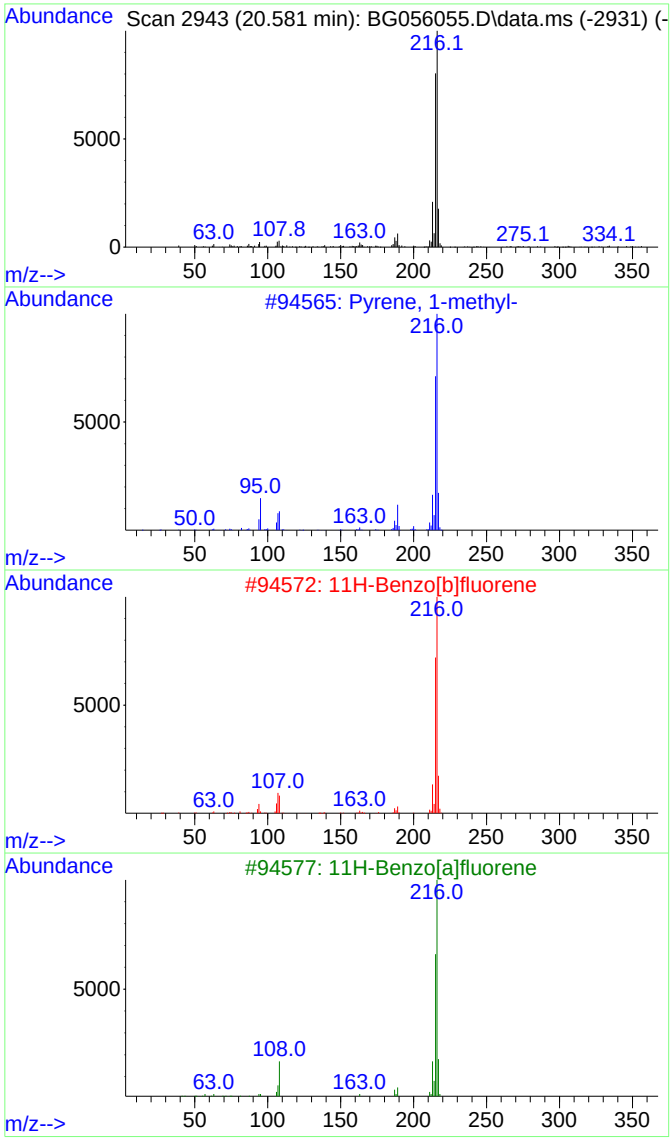
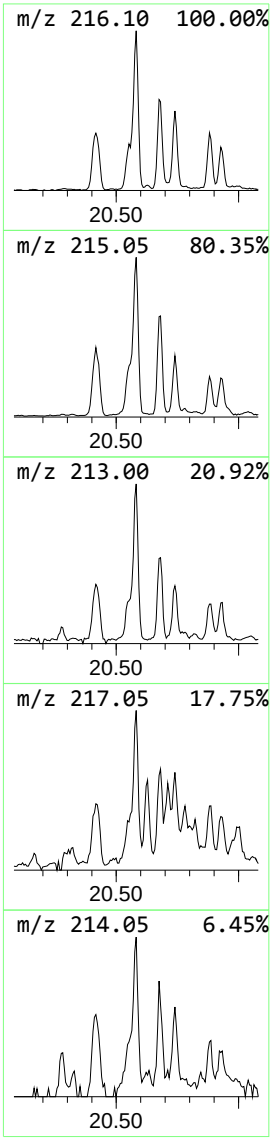
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.581	6.49 ng	258985	Chrysene-d12	22.015

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	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(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

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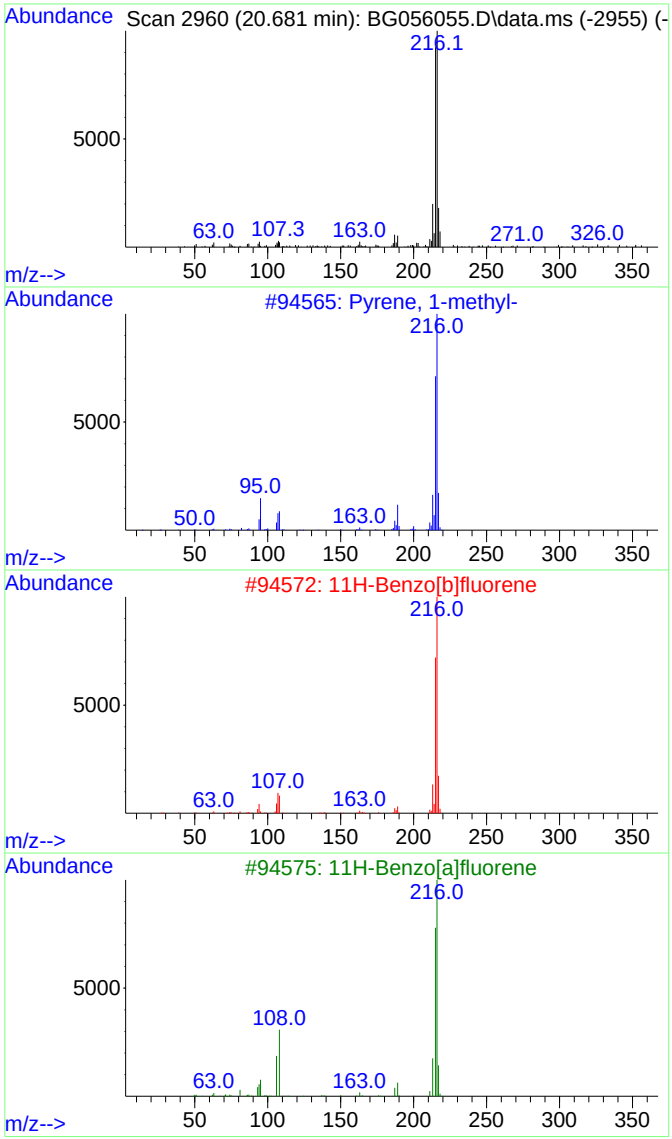
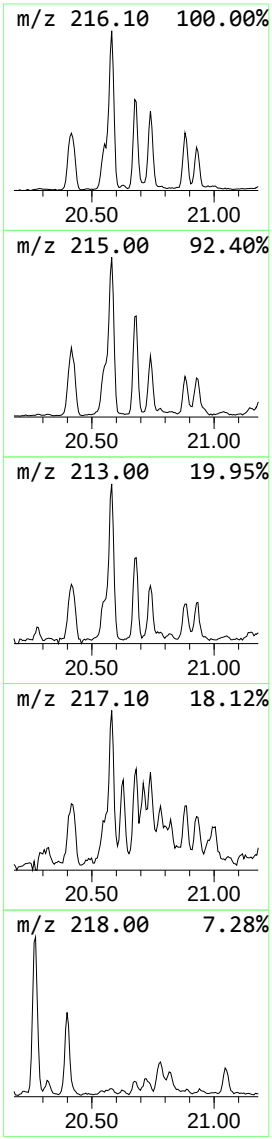
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.681	2.53 ng	101066	Chrysene-d12	22.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	64





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Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RB-40-(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

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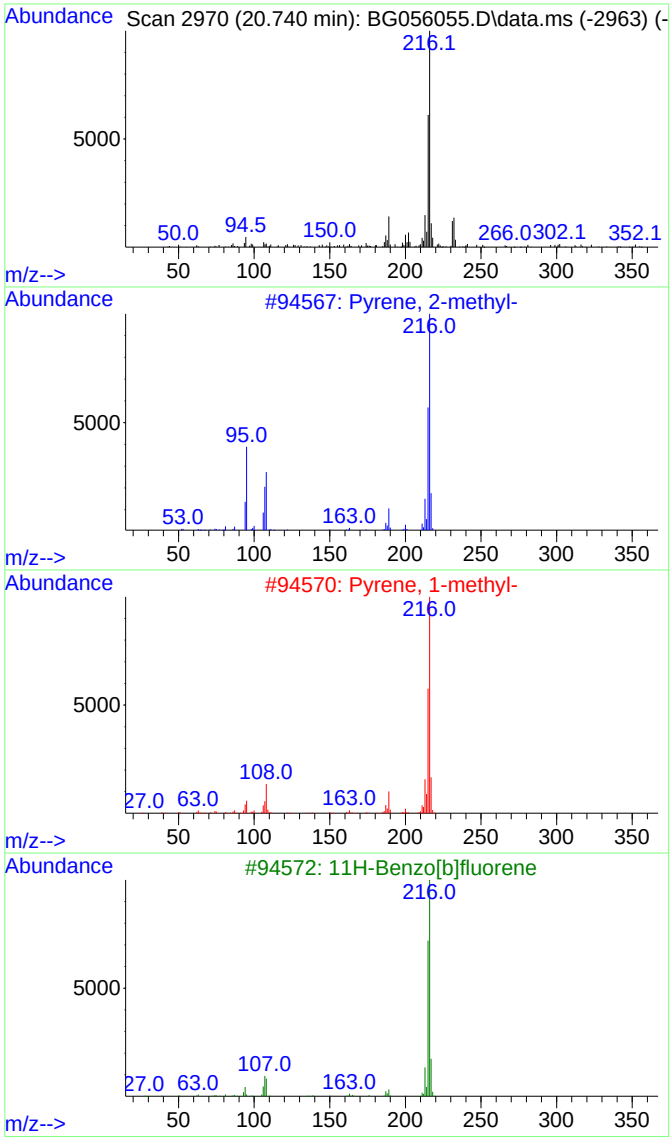
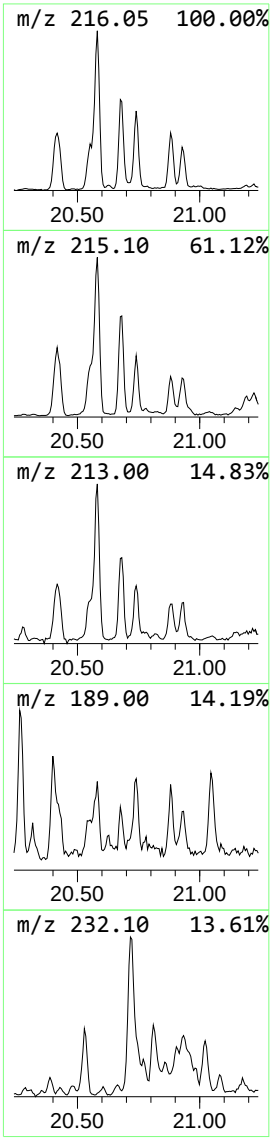
Peak Number 14 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.740	3.49 ng	139182	Chrysene-d12	22.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	62
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	58





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Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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

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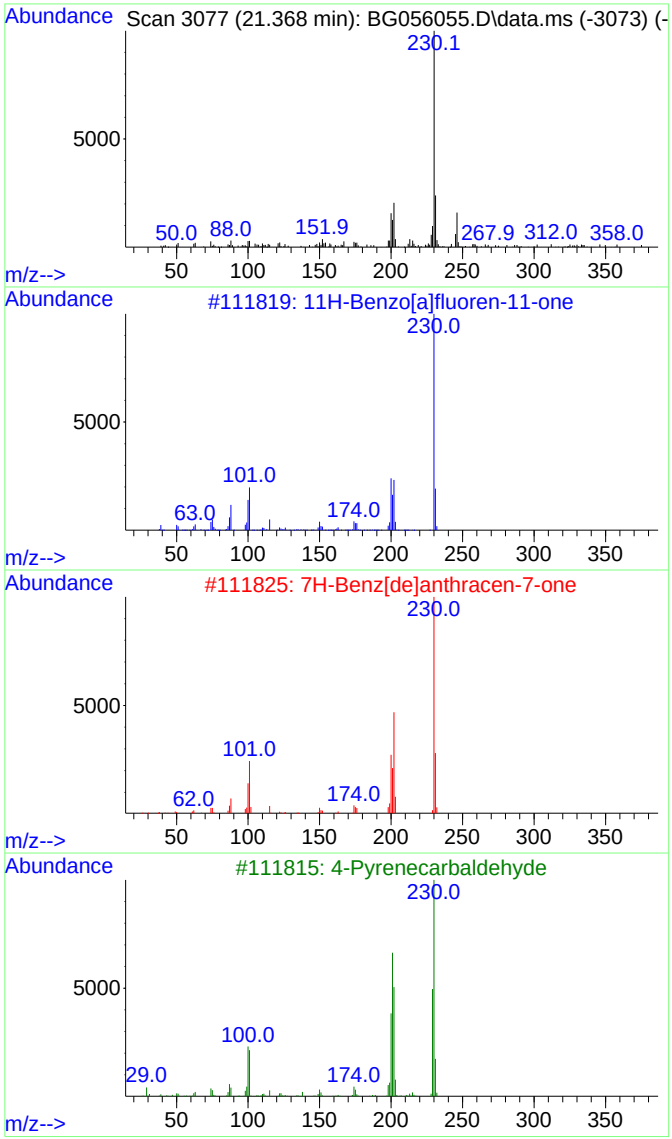
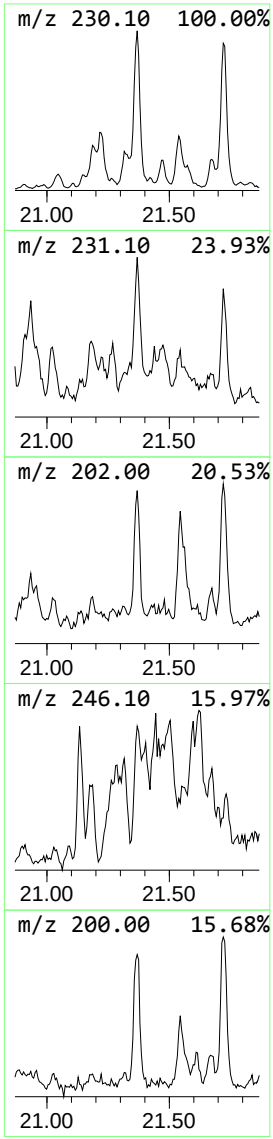
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.369	2.22 ng	88638	Chrysene-d12	22.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	59
4	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	53
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	53





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Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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

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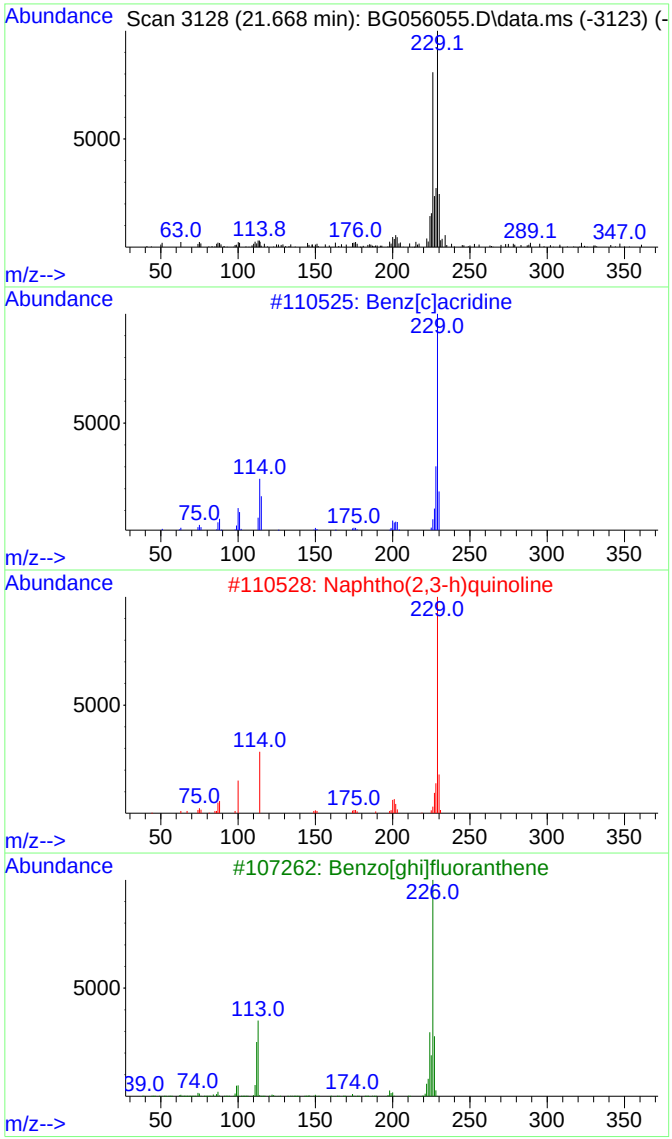
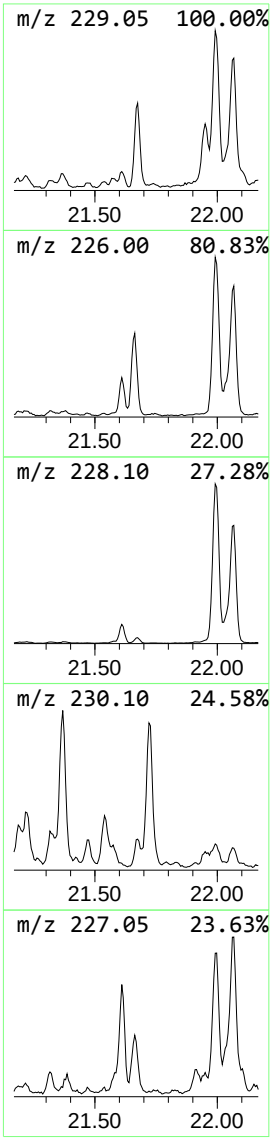
Peak Number 16 Benz[c]acridine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.668	2.69 ng	107272	Chrysene-d12	22.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	50
2	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	38
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
4	Benzene, 1-bromo-4-isothiocyanat...	227	C8H6BrNS	071672-88-3	35
5	2-(3-Fluorophenyl)-1,3-benzothia...	229	C13H8FNS	1000298-18-6	35





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Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RB-40-(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

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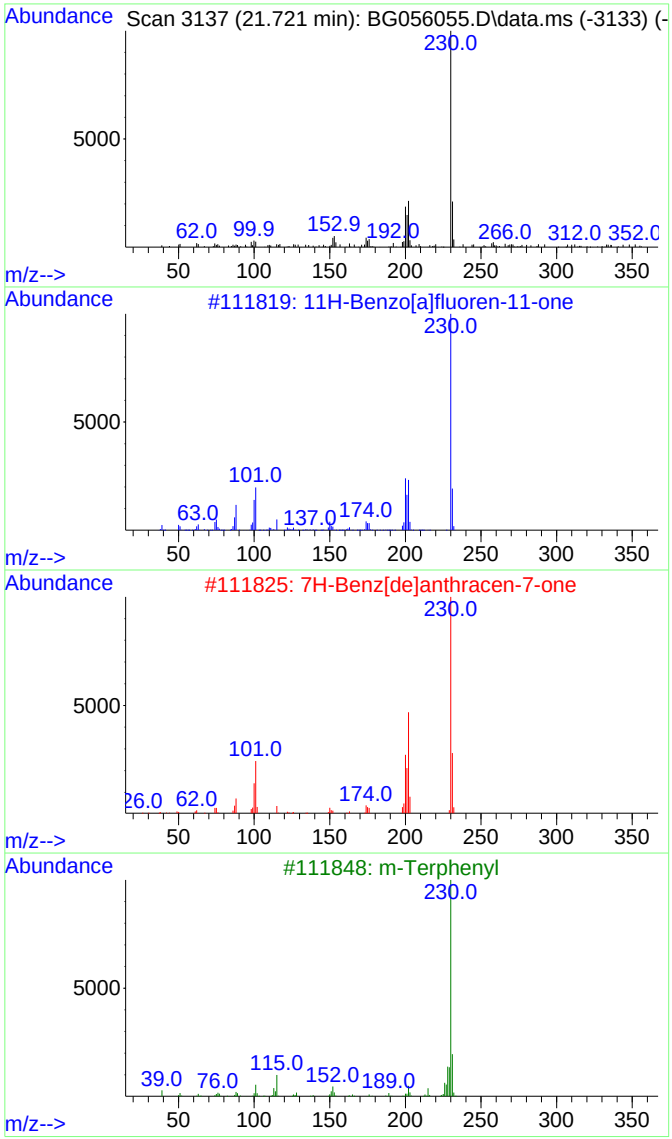
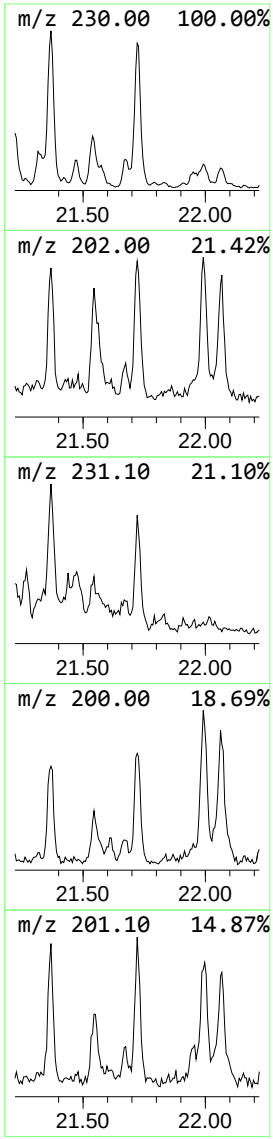
Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.721	2.67 ng	106498	Chrysene-d12	22.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	m-Terphenyl	230	C18H14	000092-06-8	59
4	p-Terphenyl	230	C18H14	000092-94-4	53
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	53





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Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(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

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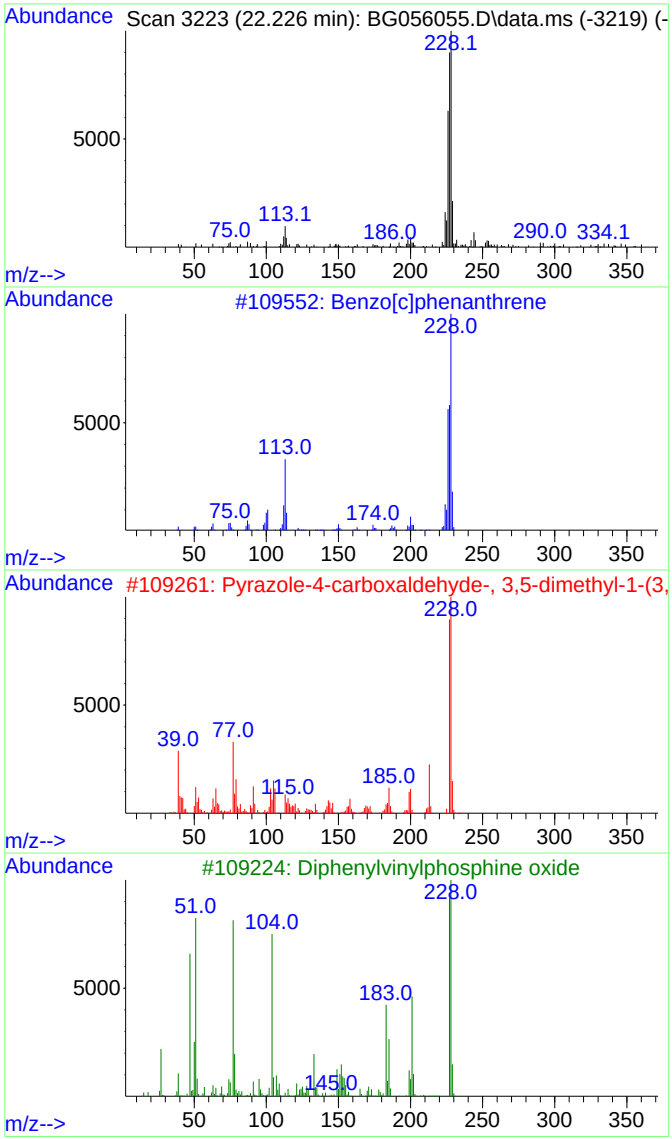
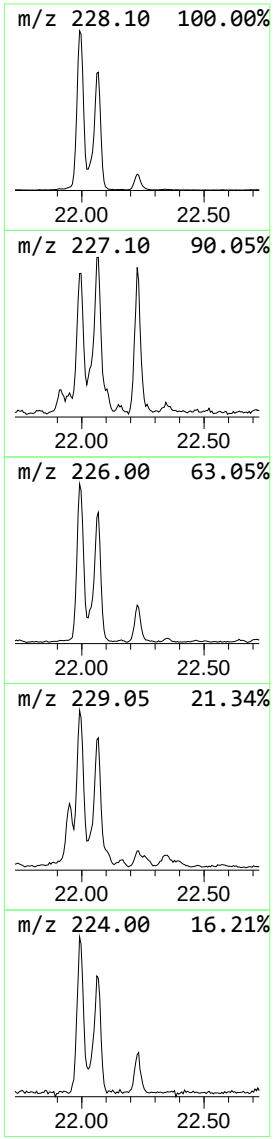
Peak Number 18 Benzo[c]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.226	2.31 ng	92246	Chrysene-d12	22.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	53
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
4	4-(2-Thienyl)-1(2H)-phthalazinone	228	C12H8N2OS	137382-45-7	43
5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	43





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Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(0-2)

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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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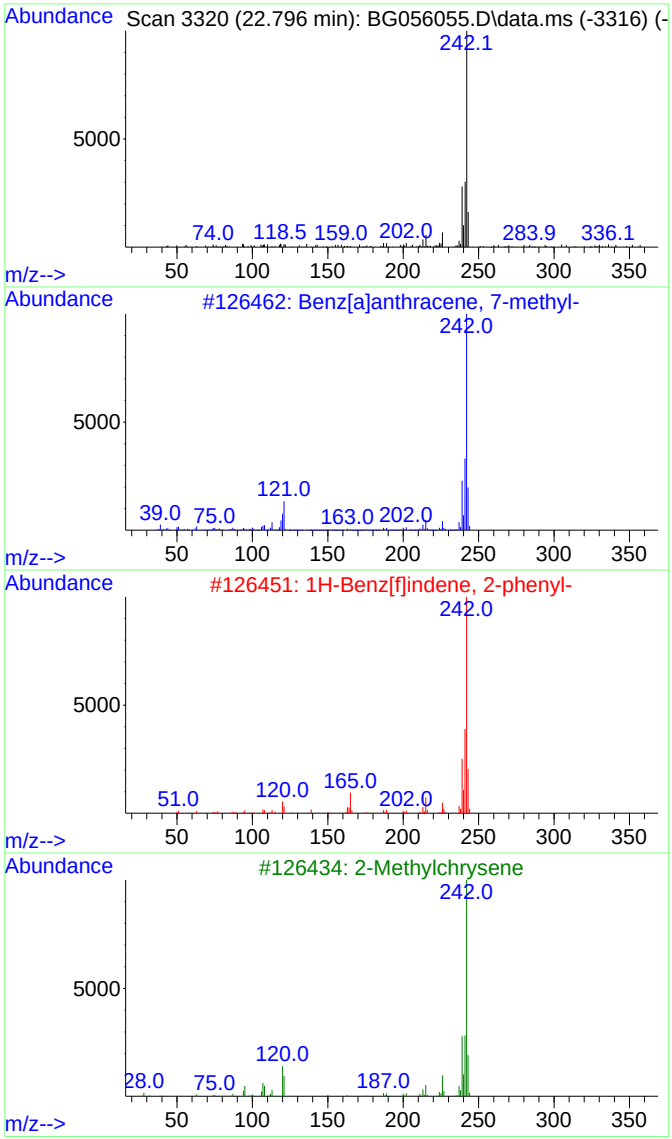
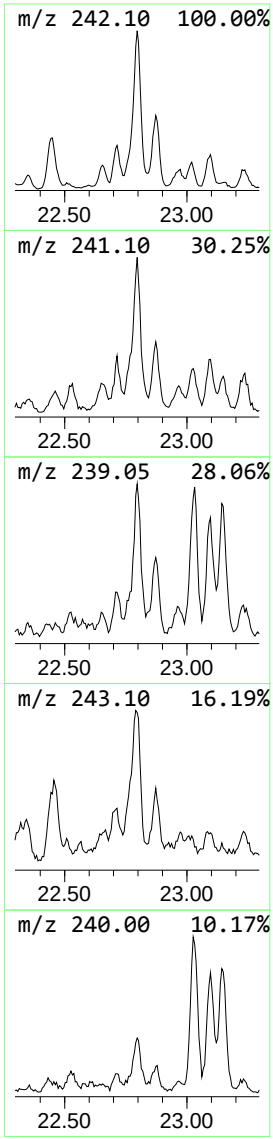
Peak Number 19 Benz[a]anthracene, 7-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.796	2.89 ng	115564	Chrysene-d12	22.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	89
3	2-Methylchrysene	242	C19H14	003351-32-4	76
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	76
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(0-2)

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

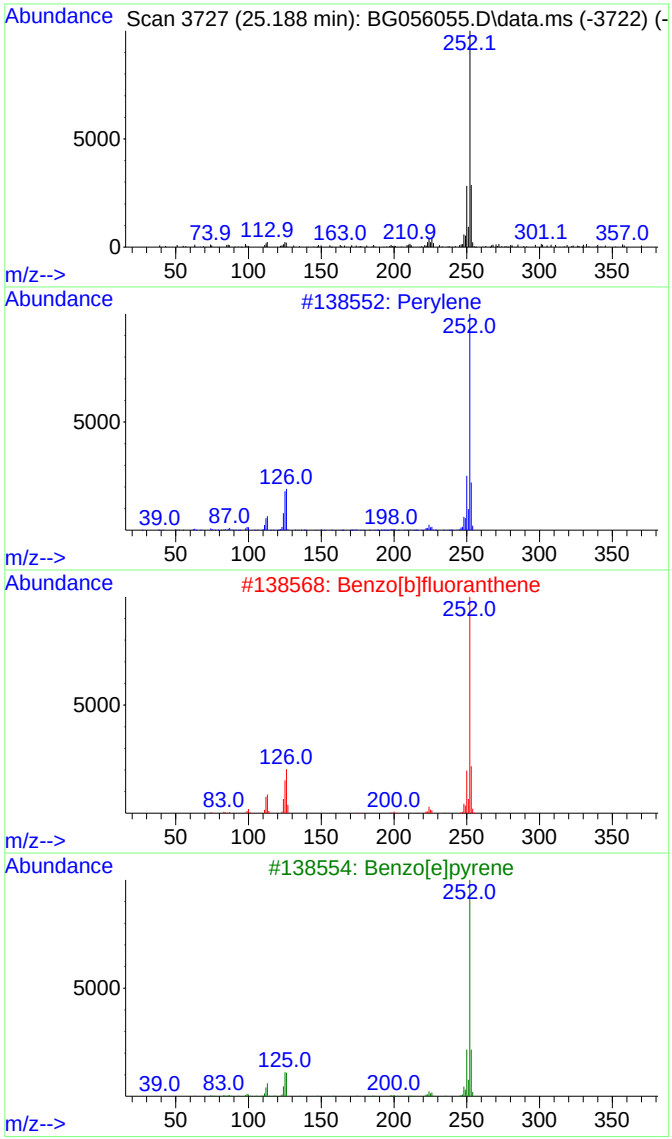
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

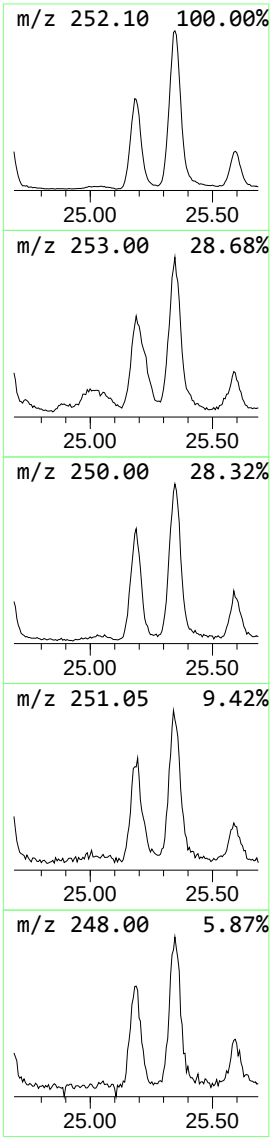
****

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.188	37.02 ng	253410	Perylene-d12	25.517

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	89
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
3	Benzo[e]pyrene	252	C20H12	000192-97-2	81
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056055.D
Acq On : 21 Dec 2022 19:27
Operator : CG/JU
Sample : N6038-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-40-(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
n-Hexadecanoic ...	18.548	2.9	ng	30034	4	17.708	207198	20.0
Phenanthrene, 1...	18.619	4.3	ng	44783	4	17.708	207198	20.0
Anthracene, 1-m...	18.701	5.6	ng	58276	4	17.708	207198	20.0
4H-Cyclopenta[d...	18.772	13.0	ng	134680	4	17.708	207198	20.0
Tricyclo[8.2.2....	19.059	4.2	ng	43359	4	17.708	207198	20.0
Phenanthrene, 3...	19.347	2.6	ng	27424	4	17.708	207198	20.0
di-p-Tolylacety...	19.465	8.6	ng	89325	4	17.708	207198	20.0
1-(4,5-Dimethyl...	19.541	8.0	ng	83054	4	17.708	207198	20.0
Cyclopenta(def)...	19.612	7.1	ng	73581	4	17.708	207198	20.0
unknown19.823	19.823	2.6	ng	26920	4	17.708	207198	20.0
Pyrene, 1-methyl-	20.417	4.1	ng	163831	5	22.015	798381	20.0
11H-Benzo[b]flu...	20.581	6.5	ng	258985	5	22.015	798381	20.0
11H-Benzo[a]flu...	20.681	2.5	ng	101066	5	22.015	798381	20.0
Pyrene, 2-methyl-	20.740	3.5	ng	139182	5	22.015	798381	20.0
11H-Benzo[a]flu...	21.369	2.2	ng	88638	5	22.015	798381	20.0
Benz[c]acridine	21.668	2.7	ng	107272	5	22.015	798381	20.0
7H-Benz[de]anth...	21.721	2.7	ng	106498	5	22.015	798381	20.0
Benzo[c]phenant...	22.226	2.3	ng	92246	5	22.015	798381	20.0
Benz[a]anthrace...	22.796	2.9	ng	115564	5	22.015	798381	20.0
Perylene	25.188	37.0	ng	253410	6	25.517	136923	20.0