LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072823\
Data File : BG058528.D
Acq On : 28 Jul 2023 21:45
Operator : MA/JU
Sample : 03719-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B-P22B

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-BG072823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG058528.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.385	385	391	404	rBV	623619	1009263	55.13%	7.292%
2	6.983	656	663	680	rBV	589603	1056603	57.72%	7.634%
3	7.811	798	804	813	rBV	178086	305083	16.66%	2.204%
4	8.975	995	1002	1018	rBV	338264	617321	33.72%	4.460%
5	10.614	1273	1281	1292	rBV	254169	449263	24.54%	3.246%
6	13.082	1693	1701	1719	rBV	793630	1280780	69.96%	9.254%
7	13.910	1837	1842	1853	rBV	100640	150583	8.23%	1.088%
8	14.462	1929	1936	1943	rBV	398941	621068	33.92%	4.487%
9	15.949	2183	2189	2200	rBV	736973	1152735	62.97%	8.329%
10	16.954	2353	2360	2365	rBV	18422	28058	1.53%	0.203%
11	17.206	2397	2403	2407	rBV	484292	739490	40.39%	5.343%
12	17.247	2407	2410	2418	rVV	65602	110977	6.06%	0.802%
13	17.324	2419	2423	2430	rVB3	23973	44540	2.43%	0.322%
14	17.694	2482	2486	2489	rBV2	17434	21557	1.18%	0.156%
15	17.788	2495	2502	2509	rVB	10515	23192	1.27%	0.168%
16	18.094	2547	2554	2557	rBV2	106645	180652	9.87%	1.305%
17	18.129	2557	2560	2567	rVV	53930	85762	4.68%	0.620%
18	18.211	2569	2574	2578	rVV3	13038	23192	1.27%	0.168%
19	18.270	2579	2584	2588	rVV4	49068	96061	5.25%	0.694%
20	18.311	2588	2591	2600	rVB	35612	60664	3.31%	0.438%
21	18.581	2633	2637	2641	rVV2	15000	19892	1.09%	0.144%
22	18.628	2641	2645	2652	rVB7	15126	32954	1.80%	0.238%
23	18.881	2684	2688	2690	rBV	15002	18695	1.02%	0.135%
24	18.998	2703	2708	2713	rBV	53606	96342	5.26%	0.696%
25	19.057	2714	2718	2721	rVV4	29630	57203	3.12%	0.413%
26	19.086	2721	2723	2726	rVV	19109	23476	1.28%	0.170%
27	19.139	2728	2732	2740	rVV4	24272	52867	2.89%	0.382%
28	19.263	2745	2753	2759	rVV	124039	186029	10.16%	1.344%
29	19.368	2767	2771	2776	rVB6	16994	26623	1.45%	0.192%
30	19.504	2791	2794	2798	rBV	40801	49802	2.72%	0.360%
31	19.621	2805	2814	2821	rBV	195393	341637	18.66%	2.468%
32	19.698	2823	2827	2833	rVB2	24858	41074	2.24%	0.297%
33	19.821	2843	2848	2858	rVB	1356772	1830714	100.00%	13.227%
34	19.950	2864	2870	2879	rVB6	32426	86575	4.73%	0.626%
35	20.085	2888	2893	2894	rBV5	27384	38050	2.08%	0.275%
36	20.215	2912	2915	2920	rBV3	13318	18763	1.02%	0.136%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072823\
Data File : BG058528.D
Acq On : 28 Jul 2023 21:45
Operator : MA/JU
Sample : 03719-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P22B

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-BG072823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	20.273	2920	2925	2929	rBV	47564	72613	3.97%	0.525%
38	20.414	2945	2949	2953	rBV2	47789	67451	3.68%	0.487%
39	20.461	2953	2957	2961	rVB	35903	51023	2.79%	0.369%
40	20.873	3023	3027	3032	rVB2	27107	47119	2.57%	0.340%
41	21.049	3048	3057	3059	rBV5	52602	118027	6.45%	0.853%
42	21.090	3060	3064	3065	rBV2	33258	42440	2.32%	0.307%
43	21.443	3116	3124	3129	rBV2	494814	945359	51.64%	6.830%
44	21.490	3129	3132	3140	rVB	93841	148163	8.09%	1.070%
45	22.142	3240	3243	3249	rVV	34512	63768	3.48%	0.461%
46	22.206	3250	3254	3260	rVB3	27036	50353	2.75%	0.364%
47	23.540	3474	3481	3488	rBV3	42124	144973	7.92%	1.047%
48	24.233	3592	3599	3608	rVB2	34591	87487	4.78%	0.632%
49	24.369	3615	3622	3630	rVB	49596	125388	6.85%	0.906%
50	24.510	3637	3646	3659	rBV	321417	899037	49.11%	6.496%

Sum of corrected areas: 13840741

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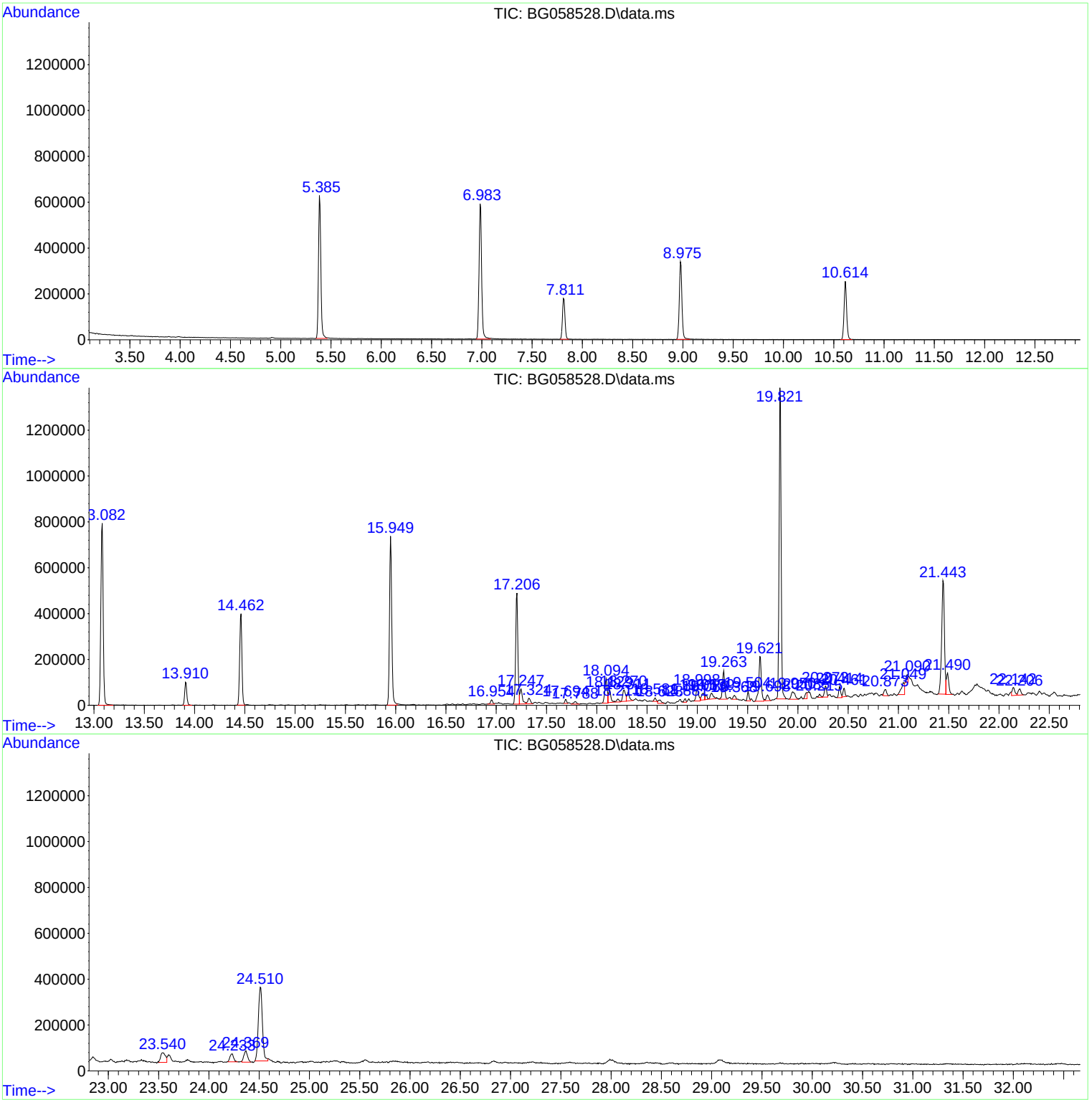
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P22B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.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\BG072823\
Data File : BG058528.D
Acq On : 28 Jul 2023 21:45
Operator : MA/JU
Sample : 03719-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P22B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

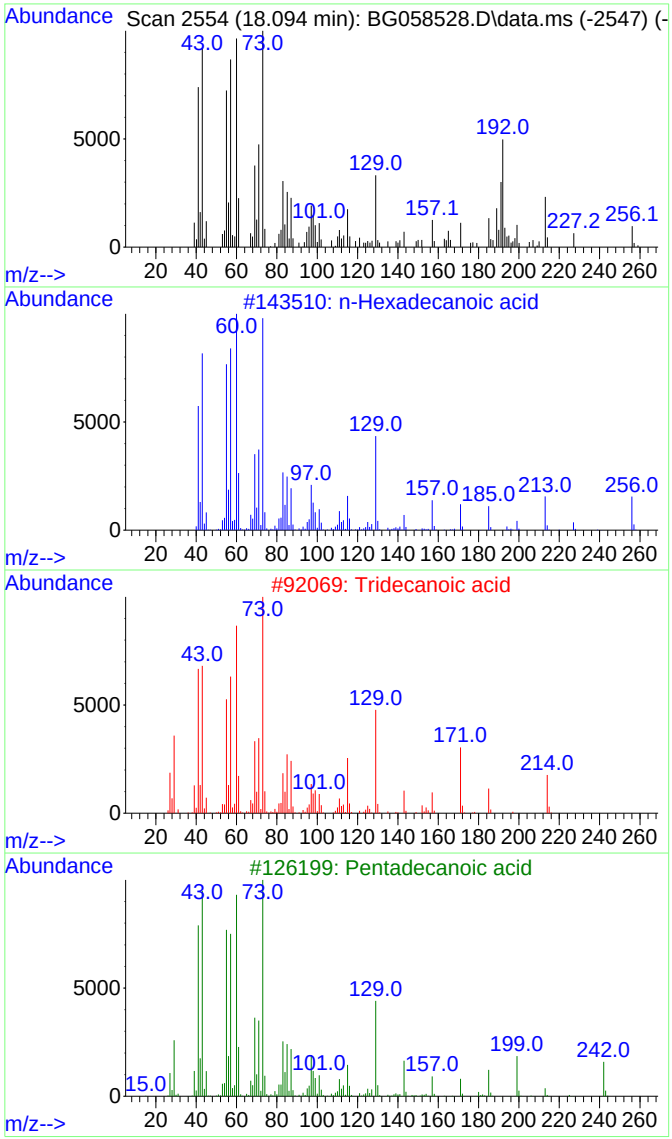
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

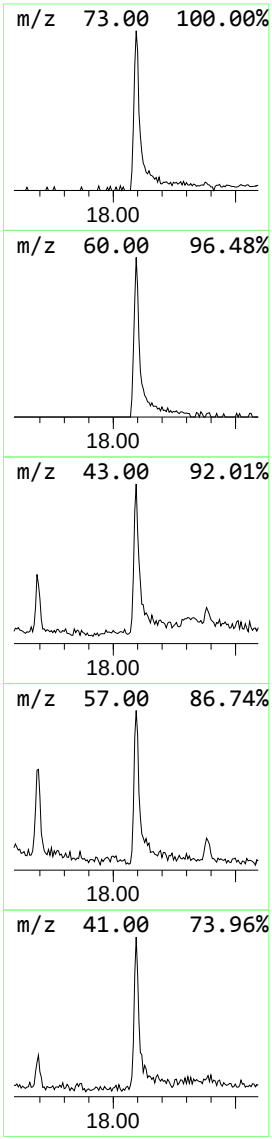
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.093	4.89 ng	180652	Phenanthrene-d10	17.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	52
5	Dodecanoic acid	200	C12H24O2	000143-07-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072823\
Data File : BG058528.D
Acq On : 28 Jul 2023 21:45
Operator : MA/JU
Sample : 03719-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P22B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

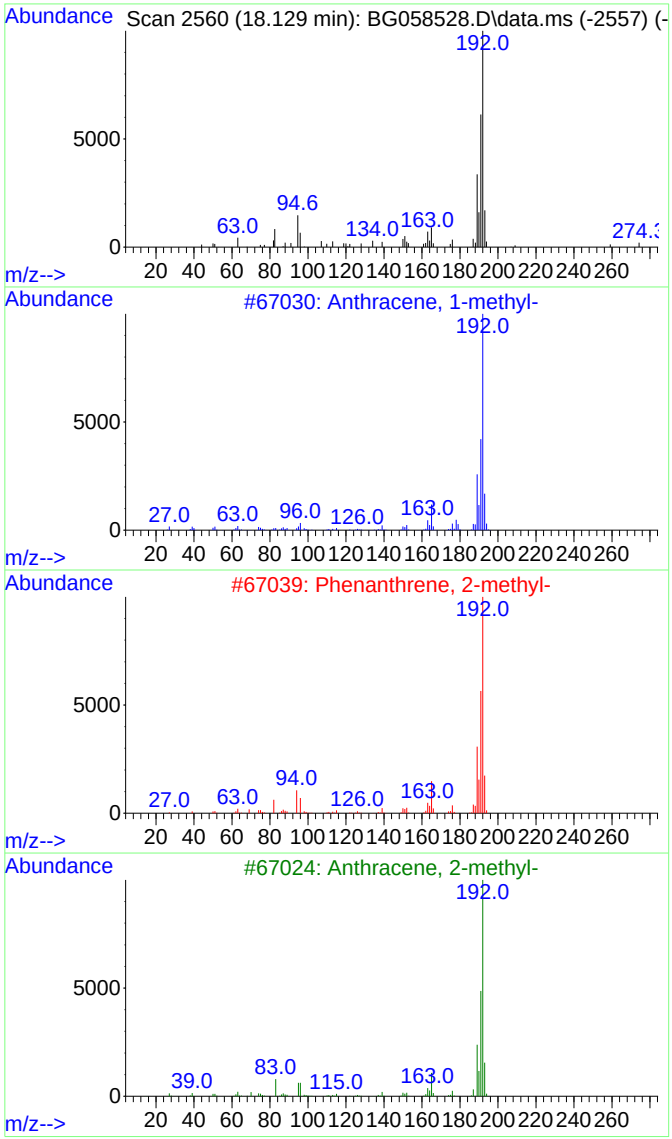
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

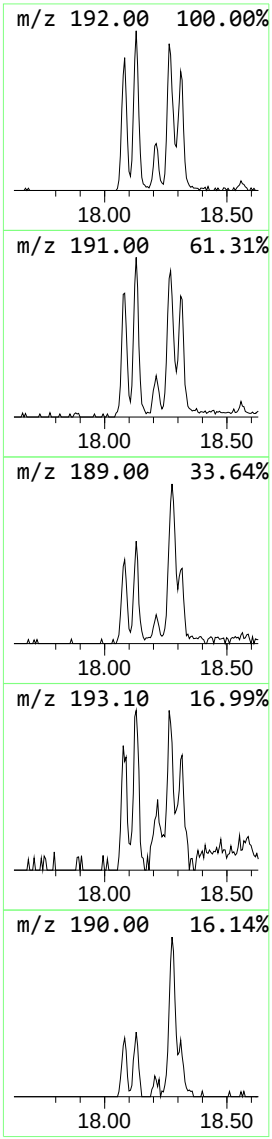
****

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.129	2.32 ng	85762	Phenanthrene-d10	17.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072823\
Data File : BG058528.D
Acq On : 28 Jul 2023 21:45
Operator : MA/JU
Sample : 03719-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P22B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

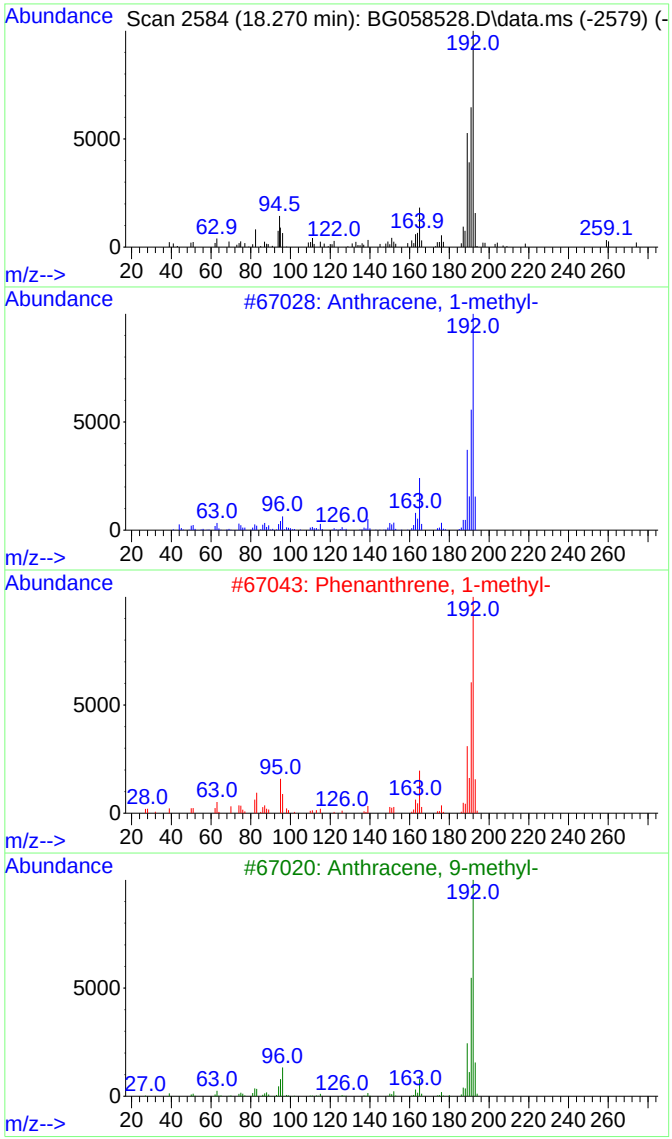
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

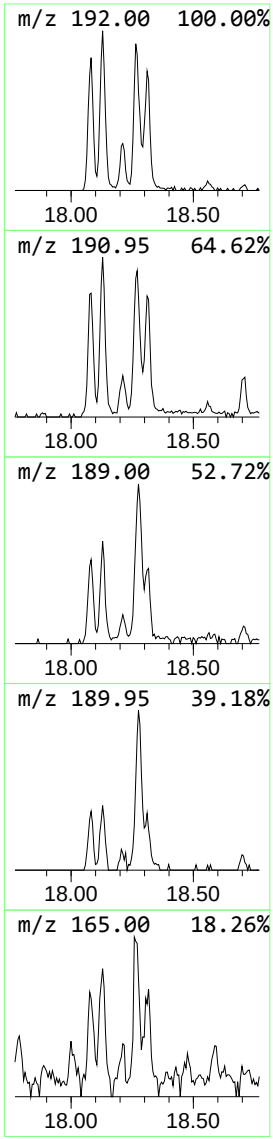
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.270	2.60 ng	96061	Phenanthrene-d10	17.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072823\
Data File : BG058528.D
Acq On : 28 Jul 2023 21:45
Operator : MA/JU
Sample : 03719-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P22B

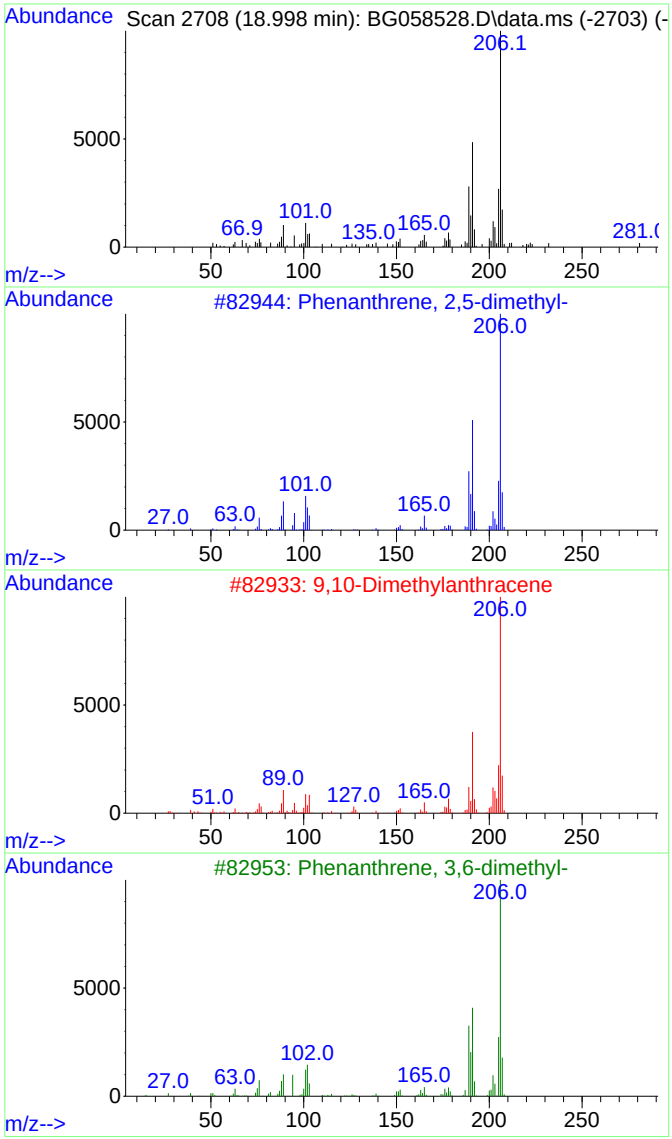
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

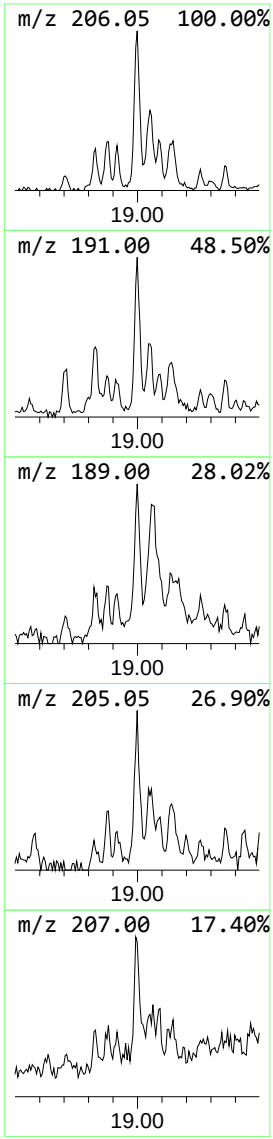
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.998	2.61 ng	96342	Phenanthrene-d10	17.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072823\
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Sample : 03719-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-P22B

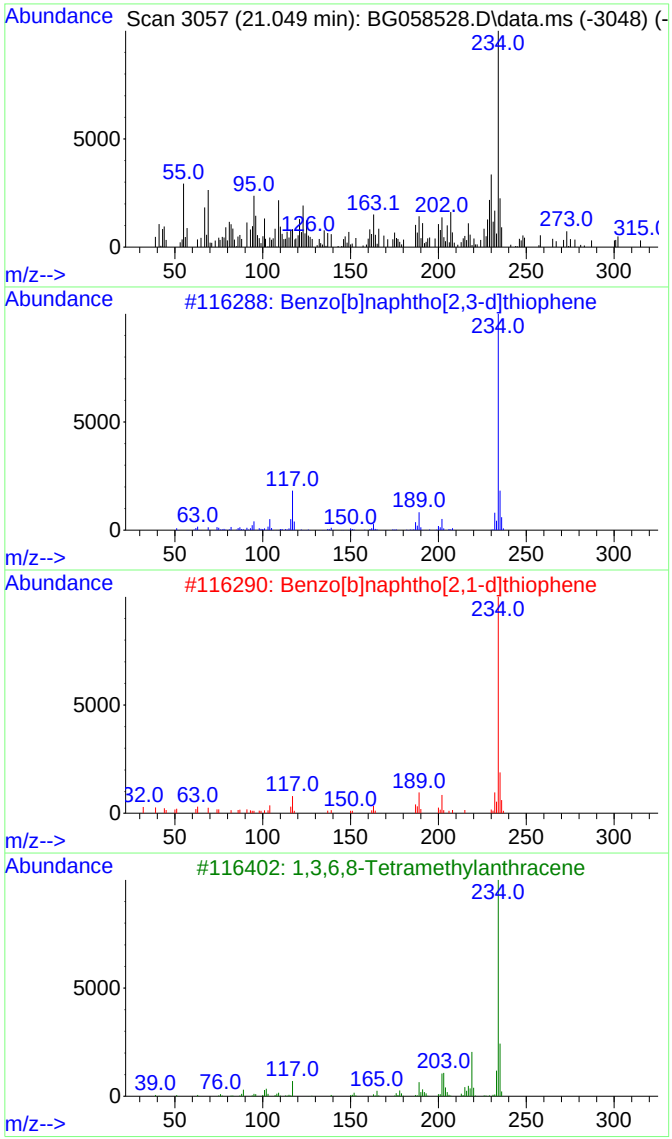
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

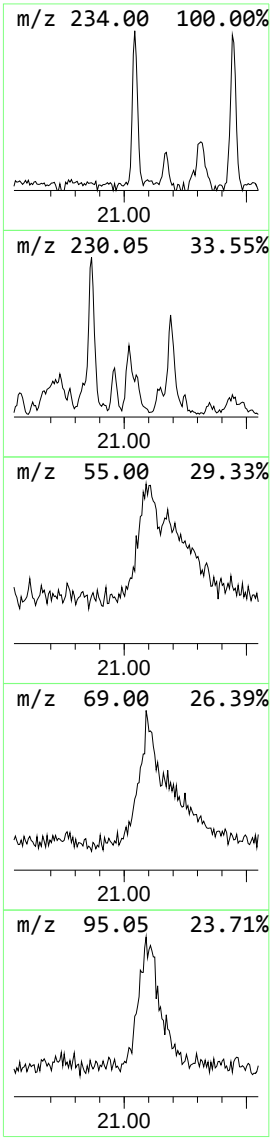
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.049	2.50 ng	118027	Chrysene-d12	21.448

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	55
3	1,3,6,8-Tetramethylanthracene	234	C18H18	017526-53-3	46
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	43
5	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072823\
Data File : BG058528.D
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Misc :
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Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.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 ...	18.093	4.9	ng	180652	4	17.206	739490	20.0
Anthracene, 1-m...	18.129	2.3	ng	85762	4	17.206	739490	20.0
Phenanthrene, 1...	18.270	2.6	ng	96061	4	17.206	739490	20.0
Phenanthrene, 2...	18.998	2.6	ng	96342	4	17.206	739490	20.0
Benzo[b]naphtho...	21.049	2.5	ng	118027	5	21.448	945359	20.0