LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

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-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056425.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.329	340	347	355	rVB	96035	145945	5.80%	0.510%
2	5.817	422	430	440	rBV	389307	634865	25.22%	2.217%
3	7.438	698	706	719	rBV	395425	694836	27.60%	2.427%
4	8.290	845	851	859	rBB	118372	202034	8.03%	0.706%
5	9.471	1043	1052	1060	rBV	234973	422288	16.77%	1.475%
6	11.122	1326	1333	1338	rBV	163254	298733	11.87%	1.043%
7	11.175	1338	1342	1350	rVB	62205	106579	4.23%	0.372%
8	12.761	1606	1612	1619	rBB	43782	72132	2.87%	0.252%
9	12.973	1642	1648	1655	rVB	31217	49704	1.97%	0.174%
10	13.531	1736	1743	1752	rBV	920941	1385298	55.03%	4.838%
11	14.230	1856	1862	1867	rBV2	25205	43159	1.71%	0.151%
12	14.283	1867	1871	1877	rVB2	17325	25418	1.01%	0.089%
13	14.912	1972	1978	1983	rVB	302472	477113	18.95%	1.666%
14	14.971	1983	1988	1995	rVB	98908	151306	6.01%	0.528%
15	15.300	2038	2044	2051	rBV	82362	128368	5.10%	0.448%
16	15.946	2148	2154	2164	rVB	165682	263096	10.45%	0.919%
17	16.110	2178	2182	2186	rVB3	17026	25540	1.01%	0.089%
18	16.240	2199	2204	2211	rVB3	52001	95802	3.81%	0.335%
19	16.392	2223	2230	2238	rBV	641564	1050107	41.71%	3.668%
20	16.945	2314	2324	2329	rBV2	38632	78697	3.13%	0.275%
21	16.998	2329	2333	2338	rVB3	16510	26347	1.05%	0.092%
22	17.097	2345	2350	2355	rVB4	15757	25214	1.00%	0.088%
23	17.168	2355	2362	2365	rBV6	17896	33566	1.33%	0.117%
24	17.297	2378	2384	2390	rVB2	27007	45556	1.81%	0.159%
25	17.368	2390	2396	2402	rBV	18469	36554	1.45%	0.128%
26	17.468	2407	2413	2419	rVB	53413	81508	3.24%	0.285%
27	17.644	2437	2443	2447	rBV	381737	636613	25.29%	2.223%
28	17.691	2447	2451	2457	rVV	1071035	1549111	61.53%	5.410%
29	17.779	2457	2466	2472	rVV	317104	494799	19.65%	1.728%
30	17.838	2472	2476	2480	rVB3	16239	25672	1.02%	0.090%
31	18.043	2504	2511	2518	rBV2	60272	114057	4.53%	0.398%
32	18.155	2525	2530	2535	rBV2	28995	41704	1.66%	0.146%
33	18.226	2537	2542	2545	rVV2	25214	42512	1.69%	0.148%
34	18.267	2546	2549	2553	rVB3	29666	35971	1.43%	0.126%
35	18.367	2561	2566	2573	rVB	17350	35905	1.43%	0.125%
36	18.513	2583	2591	2595	rBV	151952	238966	9.49%	0.835%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

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-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.560	2595	2599	2605	rVB	194172	291238	11.57%	1.017%
38	18.643	2606	2613	2618	rBV	83826	130983	5.20%	0.457%
39	18.713	2618	2625	2629	rBV3	255119	504258	20.03%	1.761%
40	18.907	2652	2658	2661	rVV5	15417	26401	1.05%	0.092%
41	19.001	2669	2674	2678	rVV	121259	173663	6.90%	0.607%
42	19.048	2678	2682	2690	rVB2	56442	90809	3.61%	0.317%
43	19.242	2708	2715	2720	rBV4	31773	47805	1.90%	0.167%
44	19.295	2720	2724	2727	rBV	31134	40833	1.62%	0.143%
45	19.330	2727	2730	2734	rVB3	28089	36593	1.45%	0.128%
46	19.395	2736	2741	2743	rBV	147089	199750	7.93%	0.698%
47	19.418	2743	2745	2751	rVB4	96060	122096	4.85%	0.426%
48	19.559	2764	2769	2776	rBV2	76394	140432	5.58%	0.490%
49	19.683	2782	2790	2795	rBV	1797817	2517509	100.00%	8.793%
50	19.730	2795	2798	2801	rVV2	29616	40548	1.61%	0.142%
51	19.771	2801	2805	2809	rVB2	42471	61283	2.43%	0.214%
52	19.924	2824	2831	2839	rVB2	49769	119306	4.74%	0.417%
53	20.006	2840	2845	2847	rVV2	279430	424584	16.87%	1.483%
54	20.047	2847	2852	2858	rVV	1359472	2073394	82.36%	7.242%
55	20.106	2858	2862	2867	rVB	76145	110811	4.40%	0.387%
56	20.223	2875	2882	2887	rBV	1506945	2026070	80.48%	7.076%
57	20.276	2887	2891	2898	rVB	60348	99466	3.95%	0.347%
58	20.358	2898	2905	2910	rBV3	112531	273590	10.87%	0.956%
59	20.411	2910	2914	2918	rBV	33542	46005	1.83%	0.161%
60	20.493	2921	2928	2929	rVV3	79125	146971	5.84%	0.513%
61	20.523	2929	2933	2938	rVB	246121	352666	14.01%	1.232%
62	20.623	2945	2950	2954	rBV	185647	265715	10.55%	0.928%
63	20.681	2954	2960	2964	rVB2	111085	209835	8.34%	0.733%
64	20.752	2970	2972	2978	rVB3	27602	39869	1.58%	0.139%
65	20.823	2981	2984	2987	rVV	73805	94598	3.76%	0.330%
66	20.864	2987	2991	3001	rVB3	99855	199494	7.92%	0.697%
67	20.987	3010	3012	3018	rVB3	45298	53018	2.11%	0.185%
68	21.304	3061	3066	3073	rVB	116873	184711	7.34%	0.645%
69	21.510	3095	3101	3103	rBV	75639	158191	6.28%	0.553%
70	21.598	3111	3116	3120	rBV2	113867	198047	7.87%	0.692%
71	21.651	3120	3125	3133	rVB2	122140	227157	9.02%	0.793%
72	21.921	3165	3171	3178	rBV3	827427	1990011	79.05%	6.950%
73	21.986	3178	3182	3189	rVB	575356	984205	39.09%	3.437%
74	22.150	3205	3210	3217	rBV	109134	186691	7.42%	0.652%
75	22.368	3242	3247	3254	rVB2	92299	169819	6.75%	0.593%
76	24.283	3564	3573	3580	rBV	380879	1326299	52.68%	4.632%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

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-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	24.548	3613	3618	3626	rVB2	75992	182783	7.26%	0.638%
78	25.053	3697	3704	3718	rVB	217007	690811	27.44%	2.413%
79	25.211	3722	3731	3741	rVB	346401	1027591	40.82%	3.589%
80	25.376	3751	3759	3767	rBV2	195765	530704	21.08%	1.854%

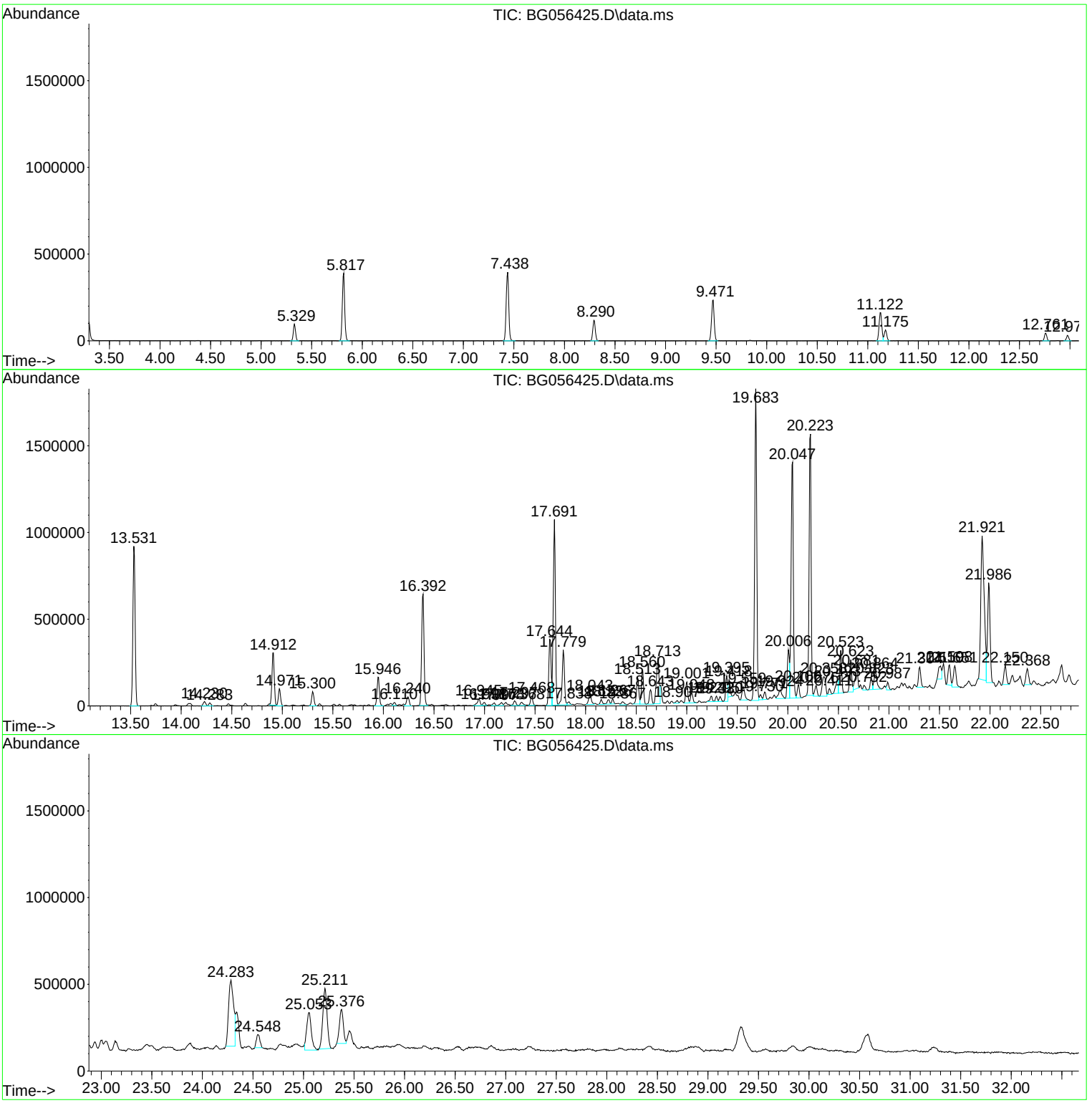
Sum of corrected areas: 28631688

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.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\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

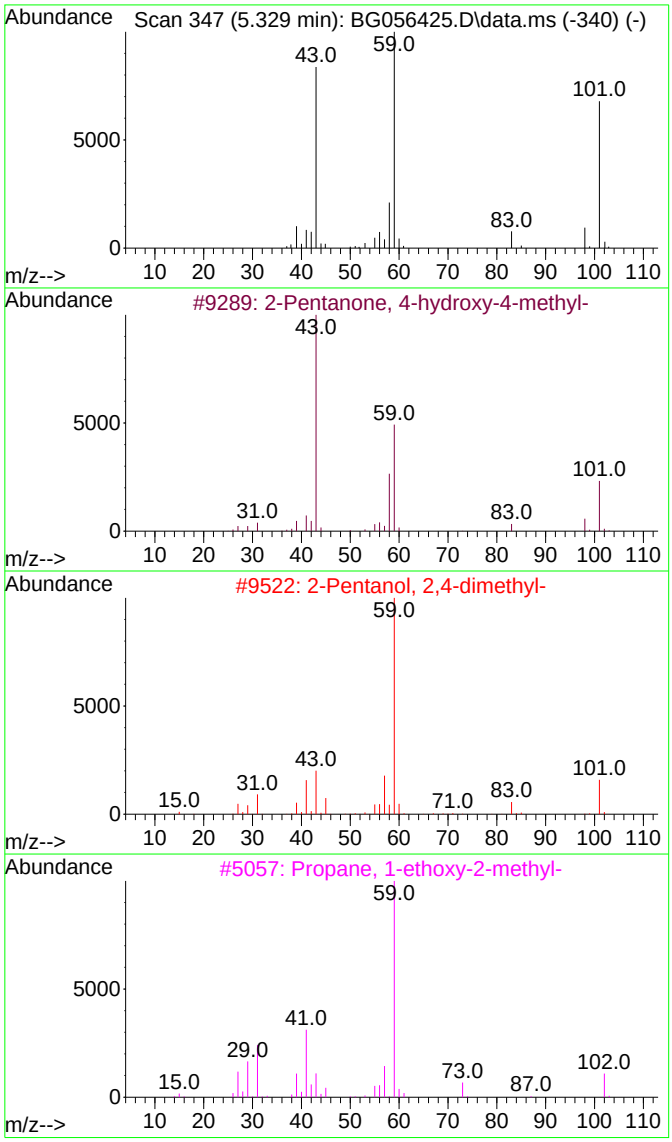
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

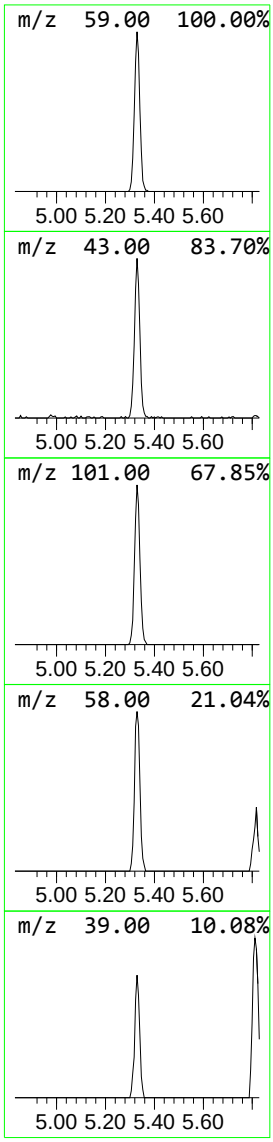
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.329	14.45 ng	145945	1,4-Dichlorobenzene-d4	8.296

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	42
3	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	25
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25
5	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

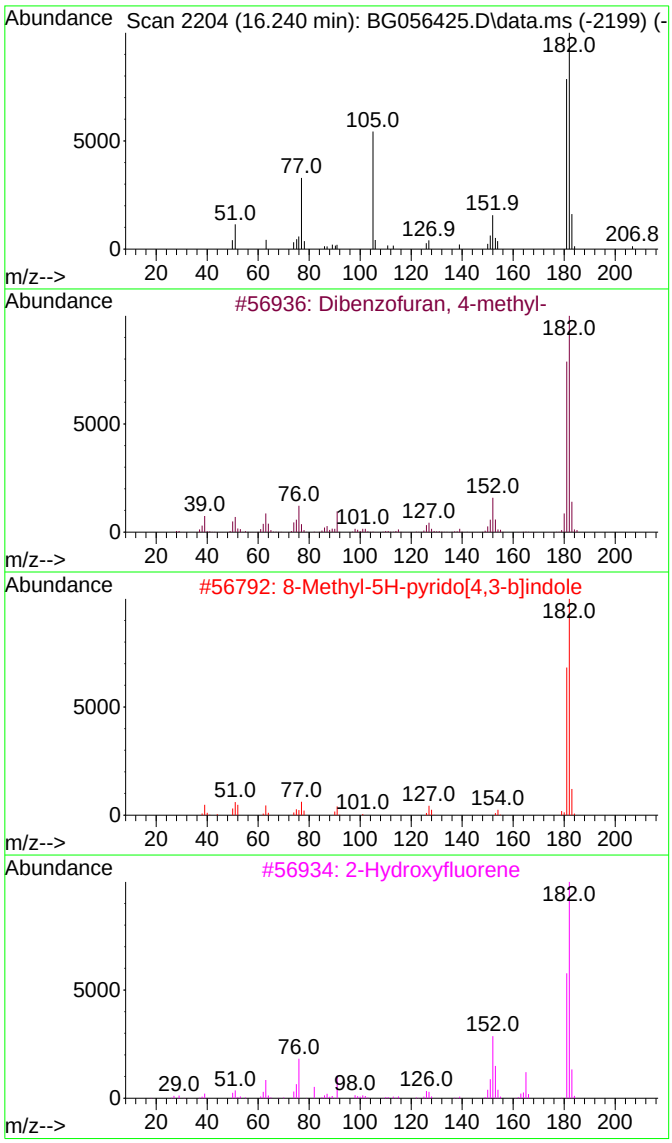
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

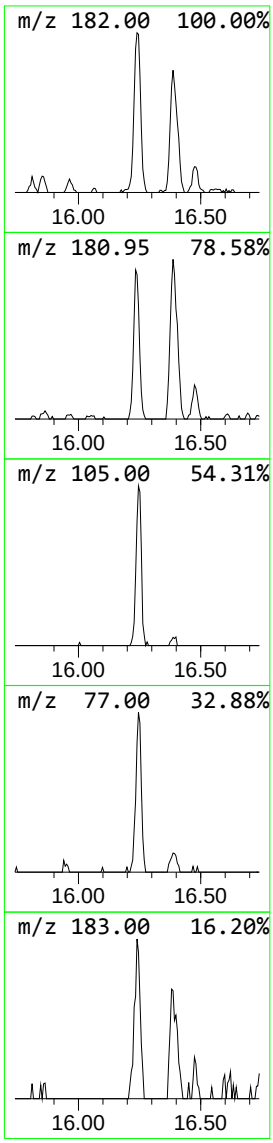
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.240	4.02 ng	95802	Acenaphthene-d10	14.906

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	80
3	2-Hydroxyfluorene	182	C13H10O	002443-58-5	80
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
5	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

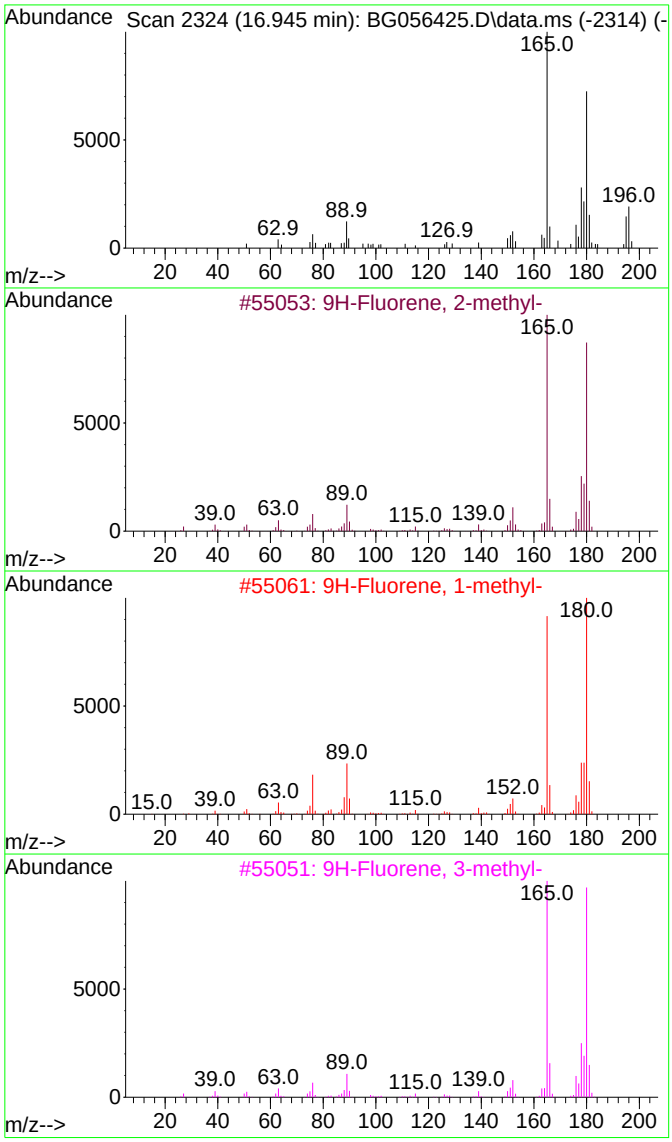
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

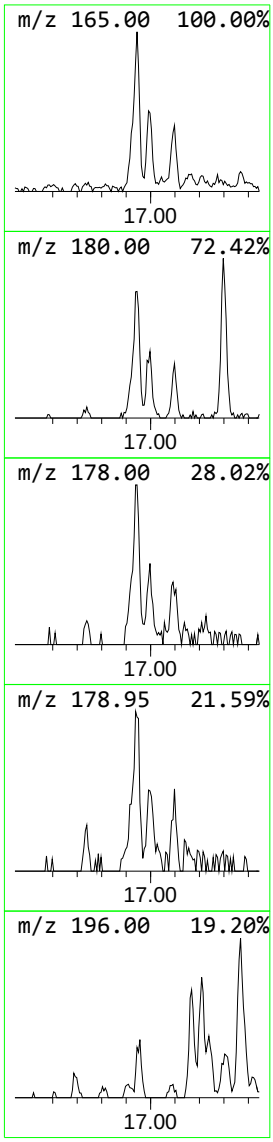
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.945	2.47 ng	78697	Phenanthrene-d10	17.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	87
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

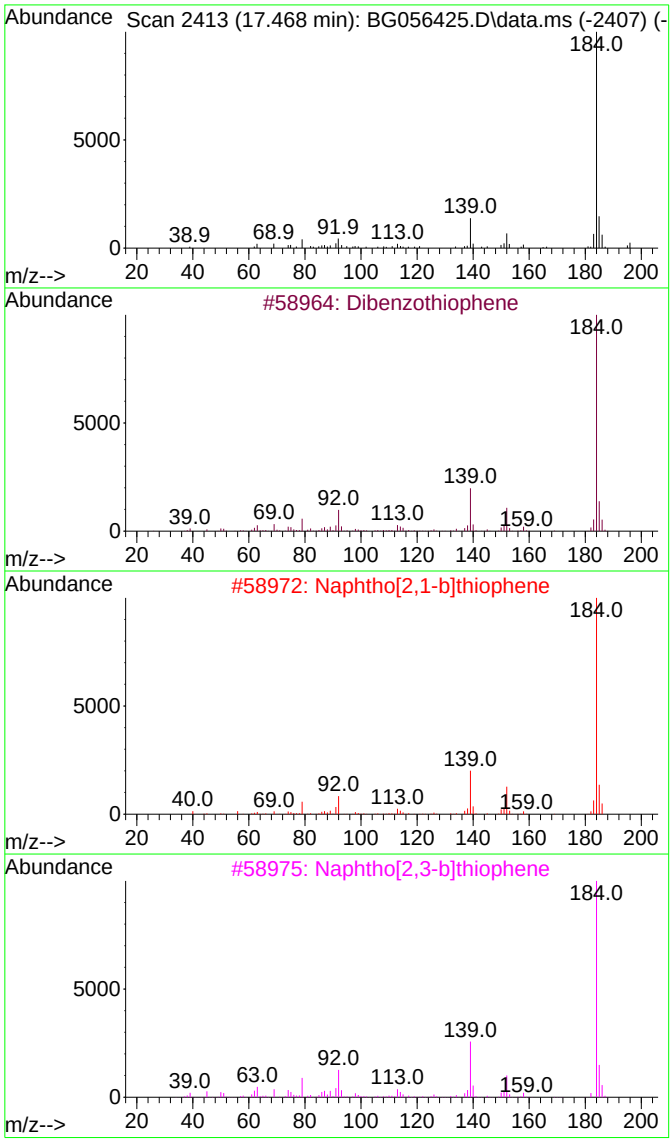
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

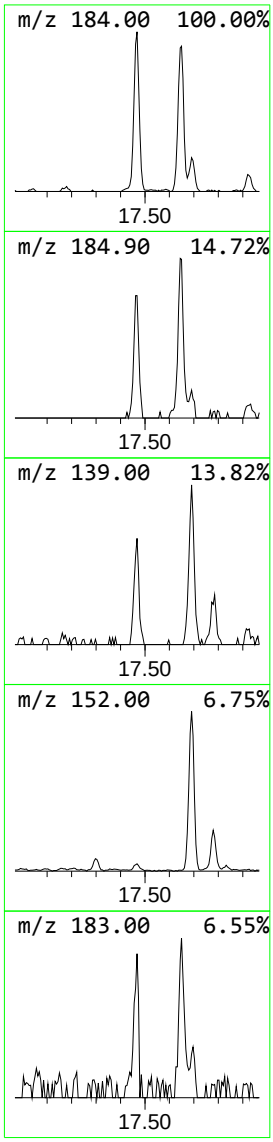
****

Peak Number 4 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.468	2.56 ng	81508	Phenanthrene-d10	17.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

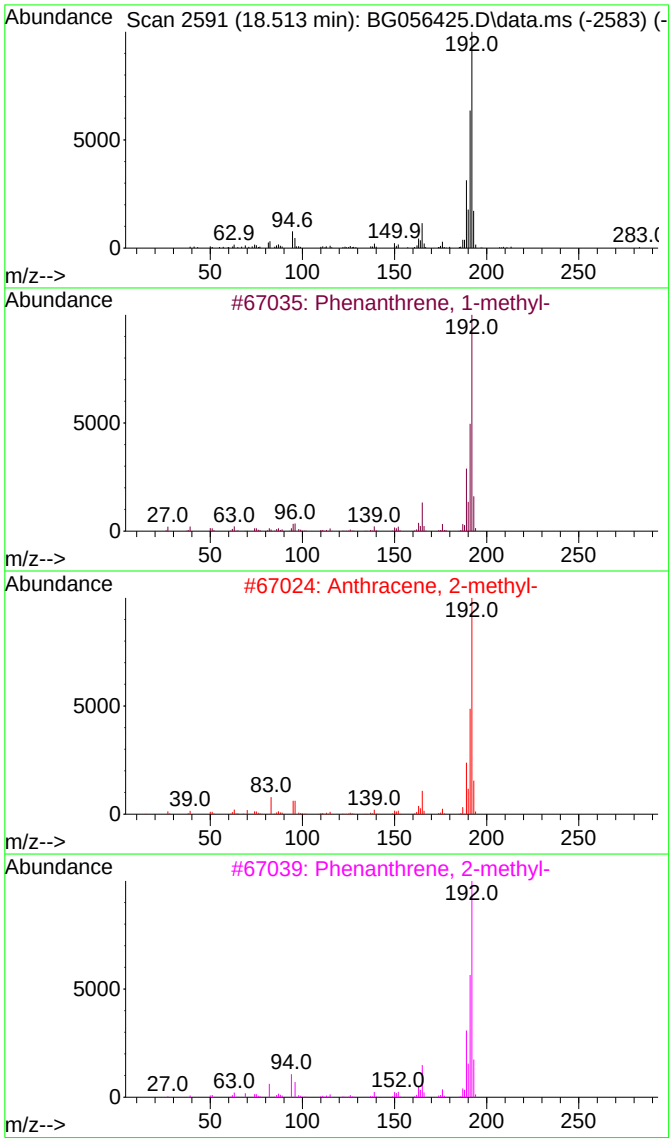
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

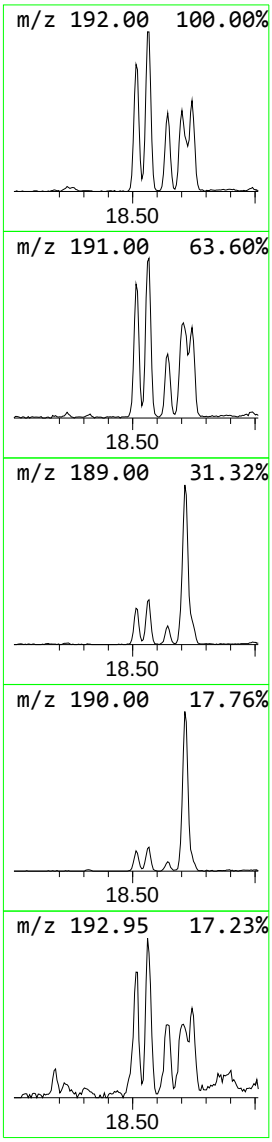
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.514	7.51 ng	238966	Phenanthrene-d10	17.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

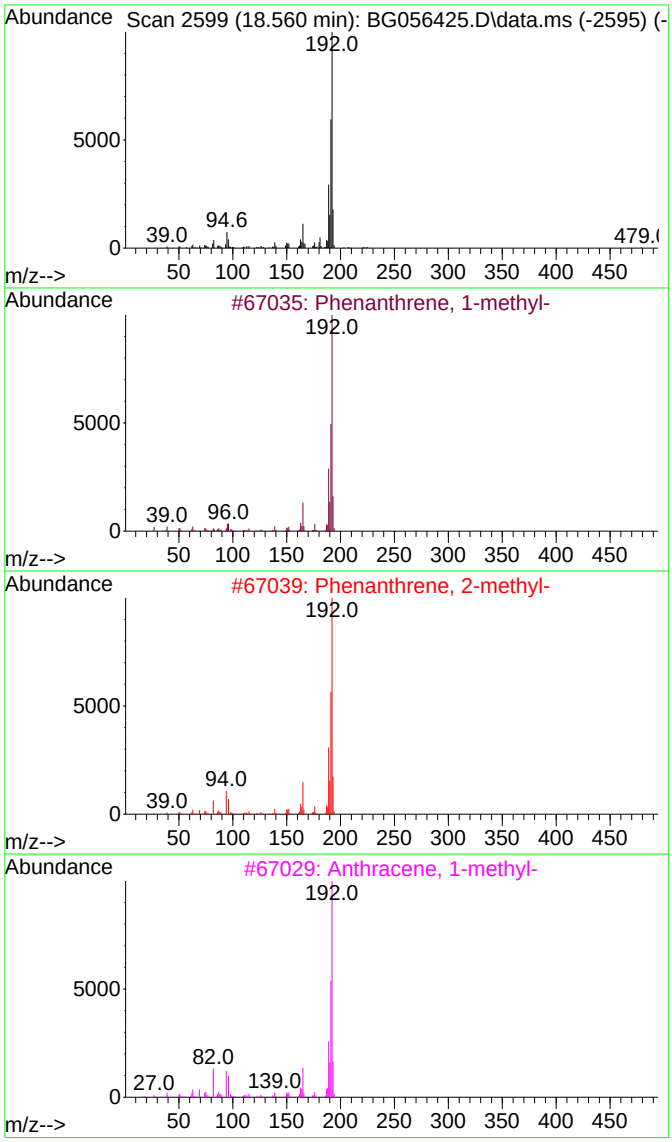
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

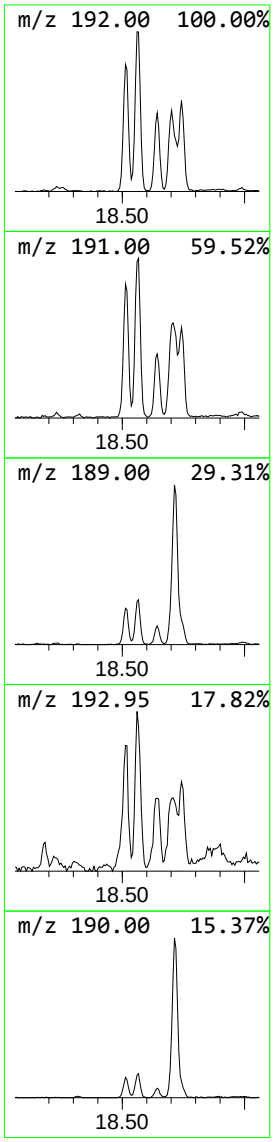
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.560	9.15 ng	291238	Phenanthrene-d10	17.644

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, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

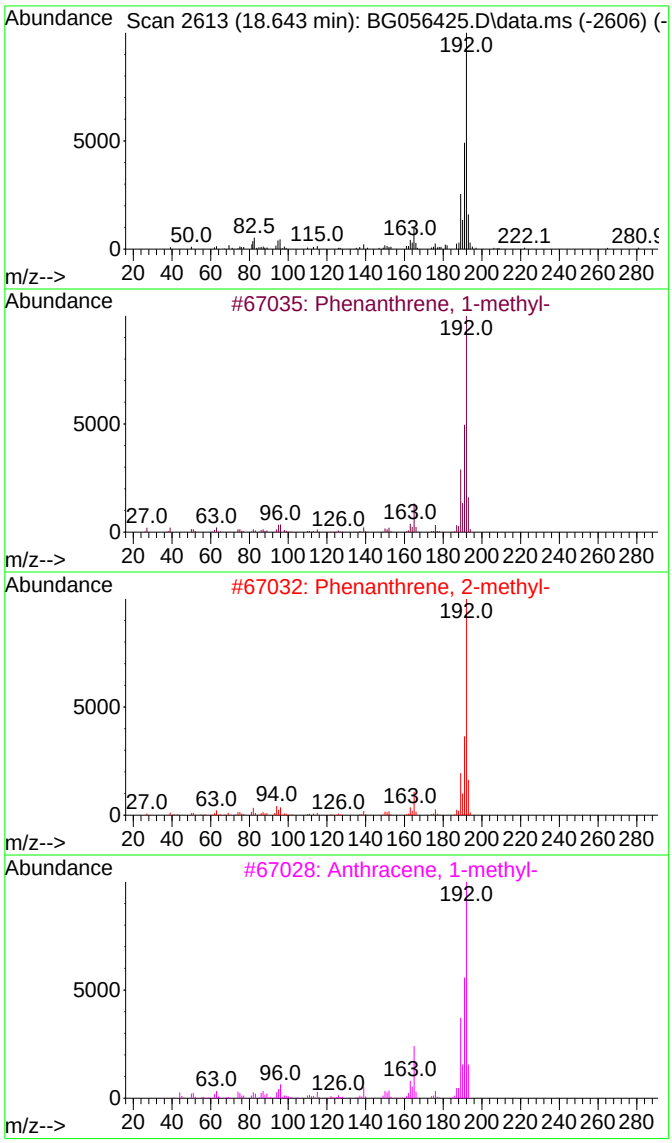
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

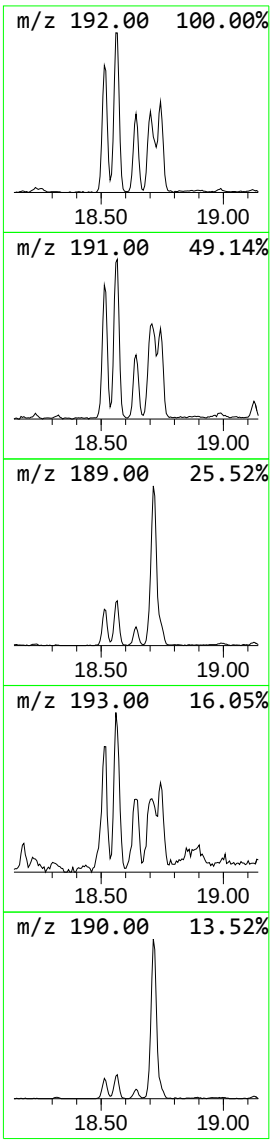
****

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.643	4.12 ng	130983	Phenanthrene-d10	17.644

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, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

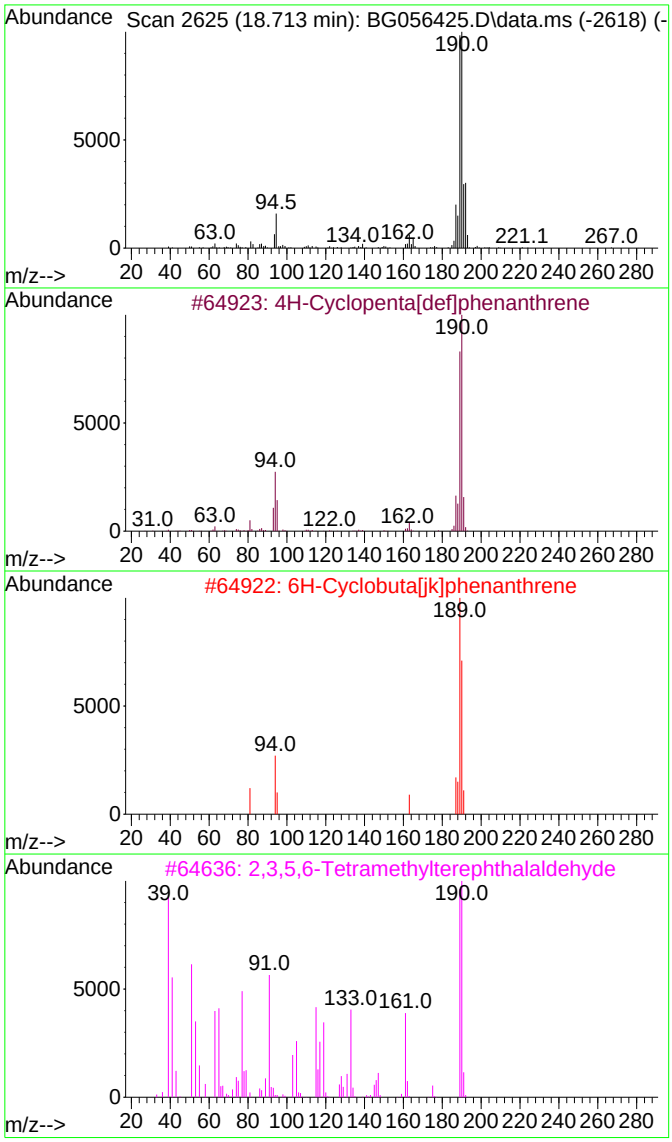
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

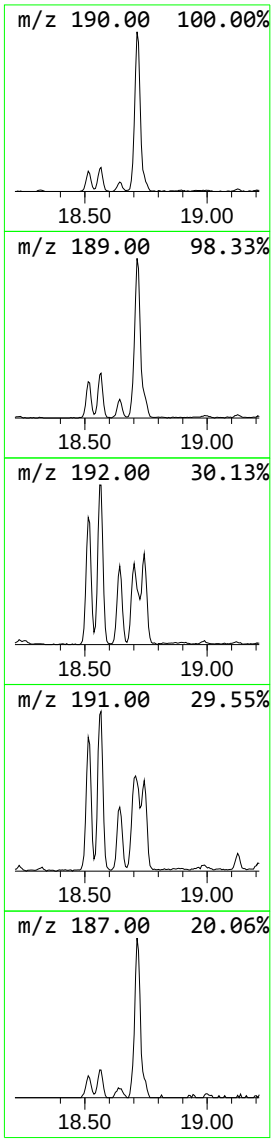
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.713	15.84 ng	504258	Phenanthrene-d10	17.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Methyl diselenide	190	C2H6Se2	007101-31-7	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

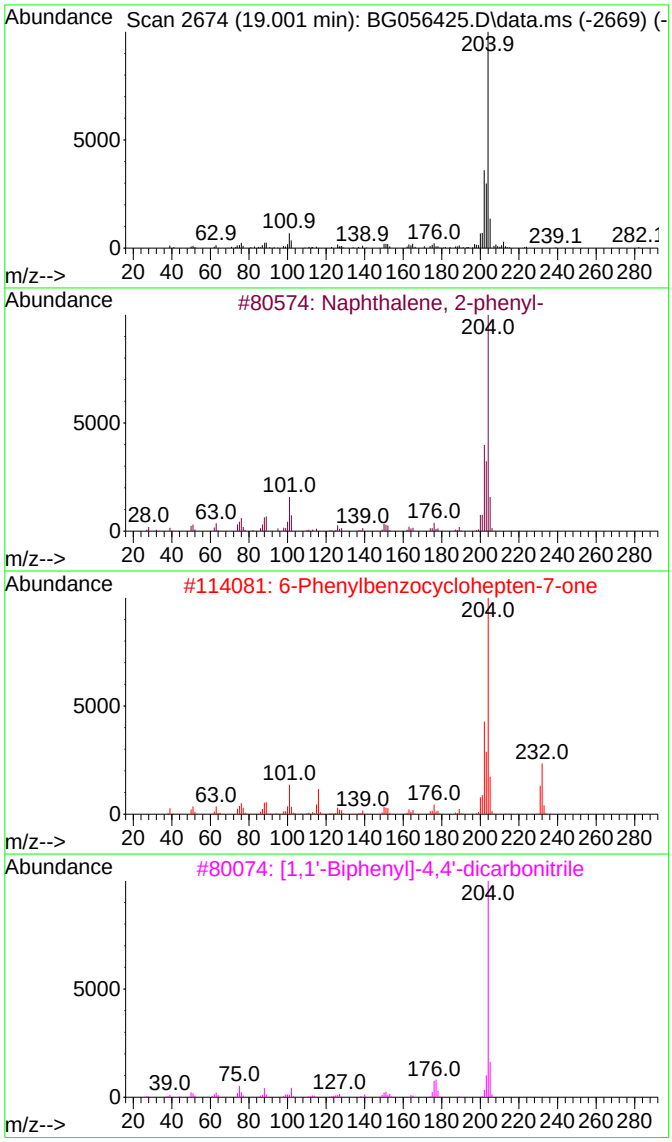
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

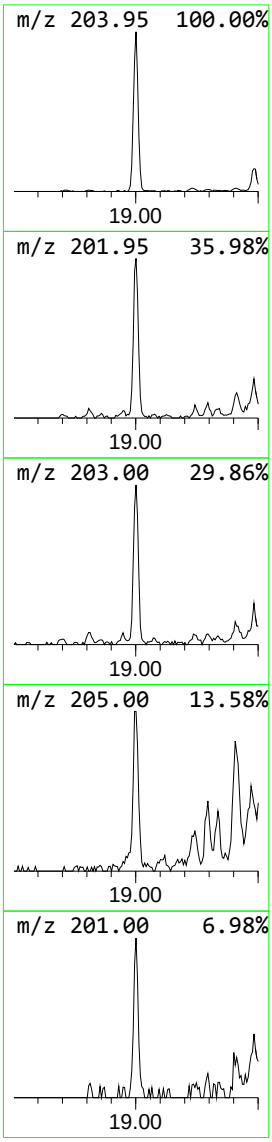
****

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.001	5.46 ng	173663	Phenanthrene-d10	17.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

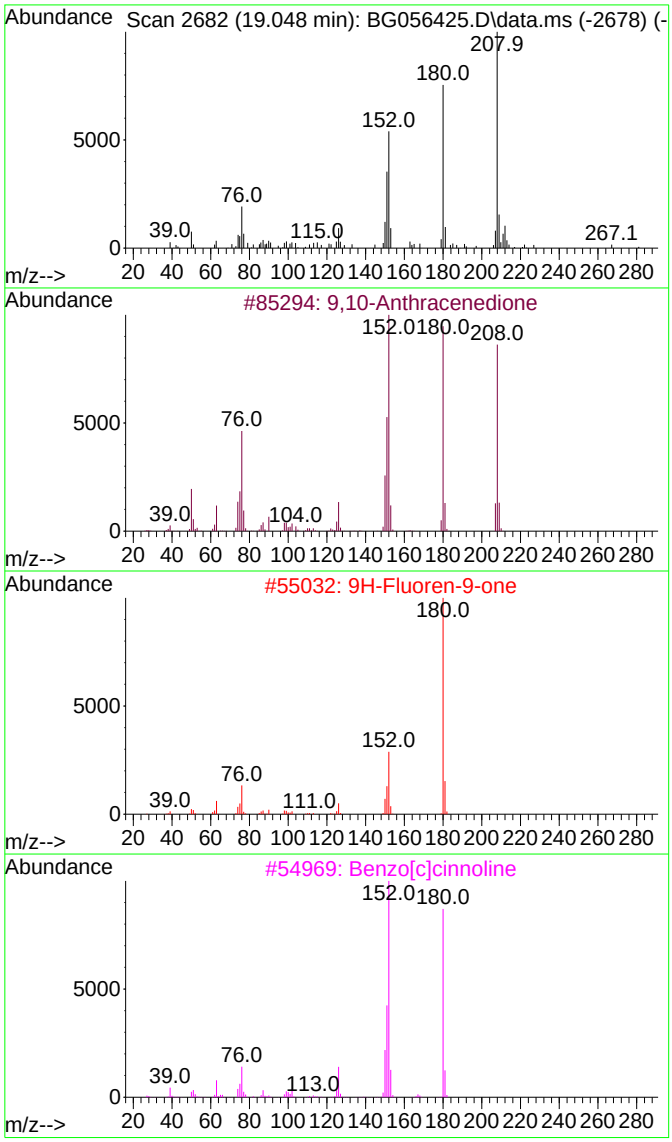
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

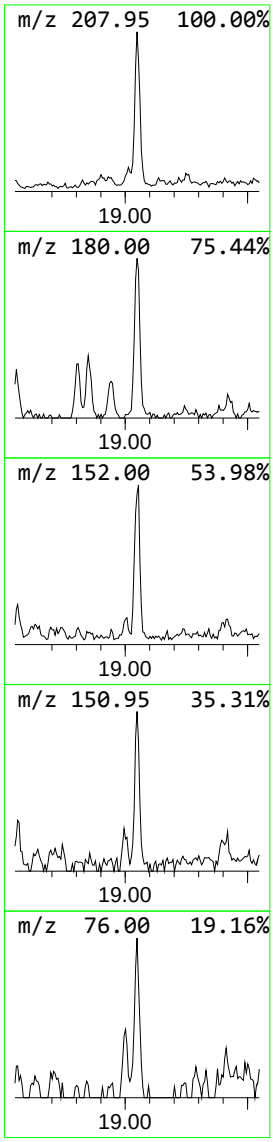
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.048	2.85 ng	90809	Phenanthrene-d10	17.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

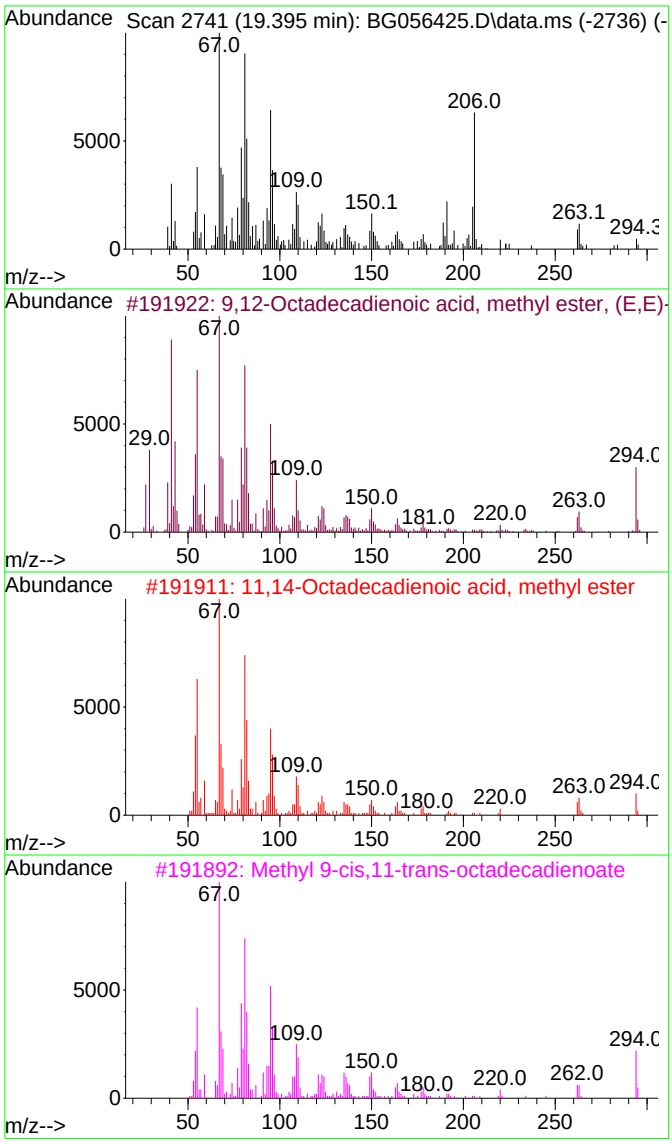
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

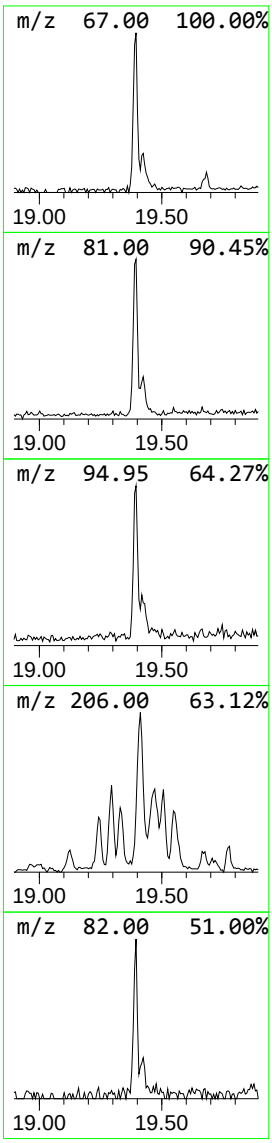
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 9,12-Octadecadienoic acid, ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.395	6.28 ng	199750	Phenanthrene-d10	17.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	93
2	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	93
3	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	013058-52-1	90
4	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	89
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

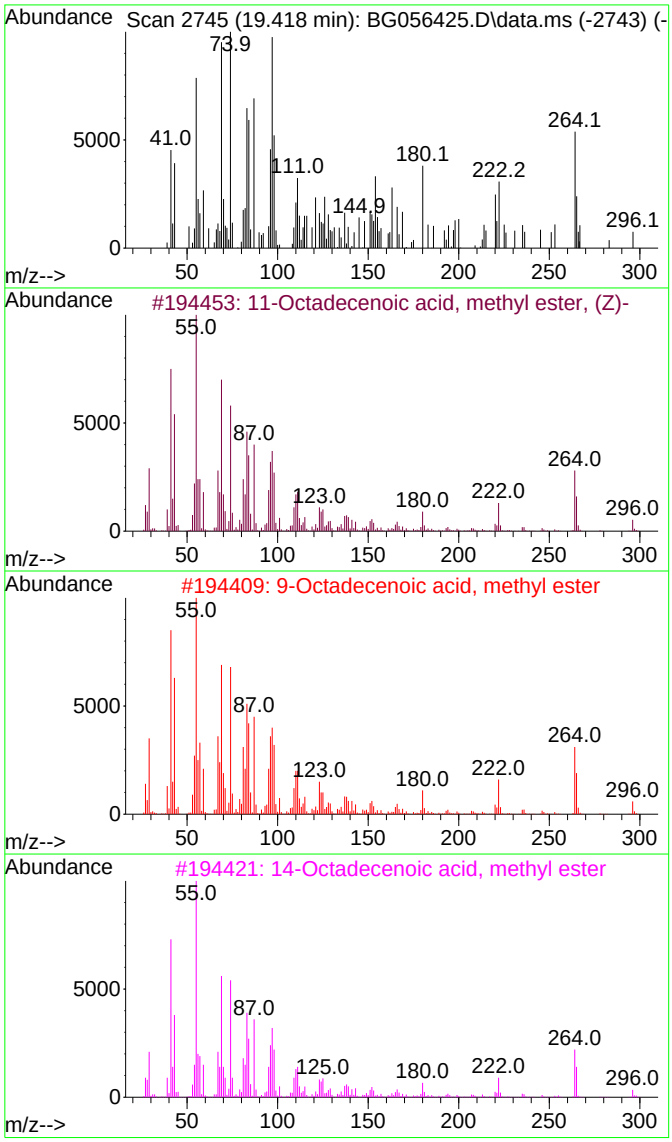
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

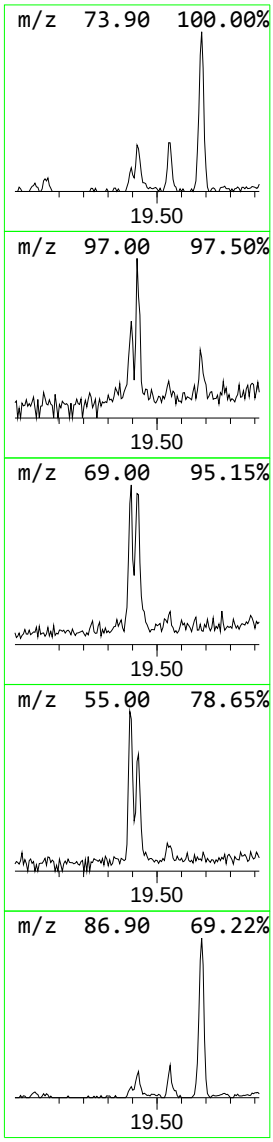
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 11-Octadecenoic acid, methy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.418	3.84 ng	122096	Phenanthrene-d10	17.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	94
2	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	93
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	90
4	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	90
5	7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

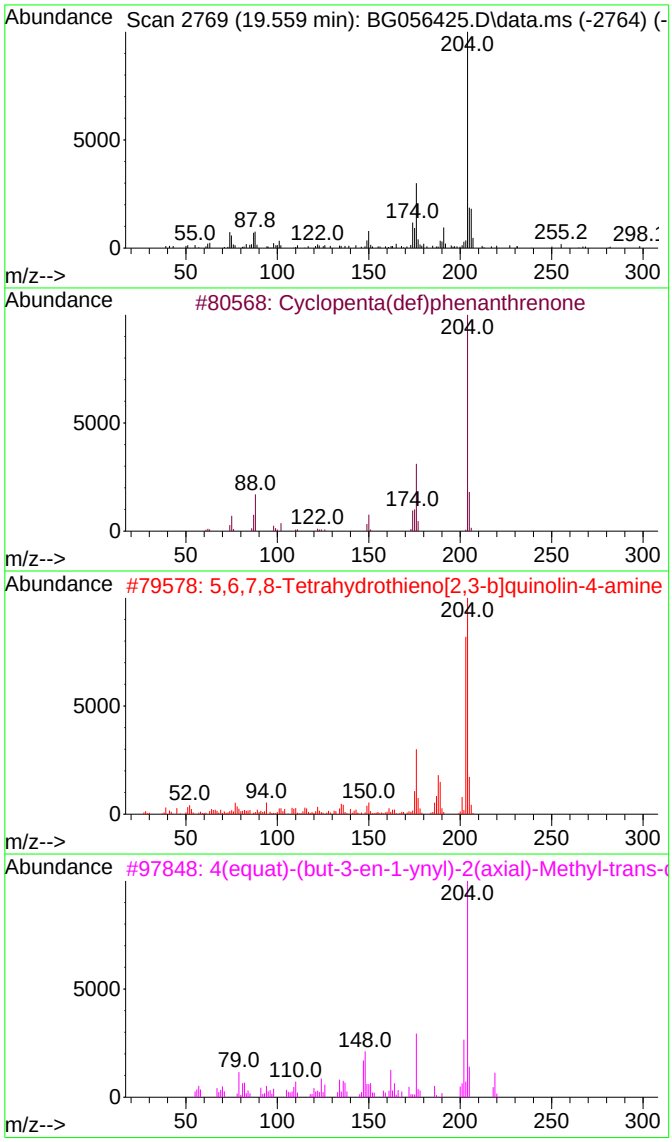
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

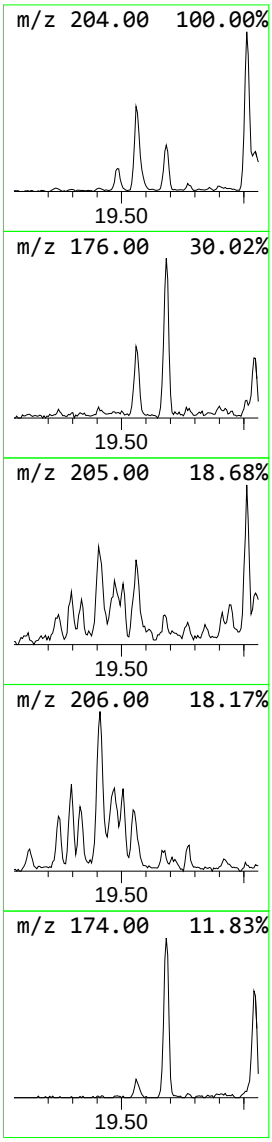
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.559	4.41 ng	140432	Phenanthrene-d10	17.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

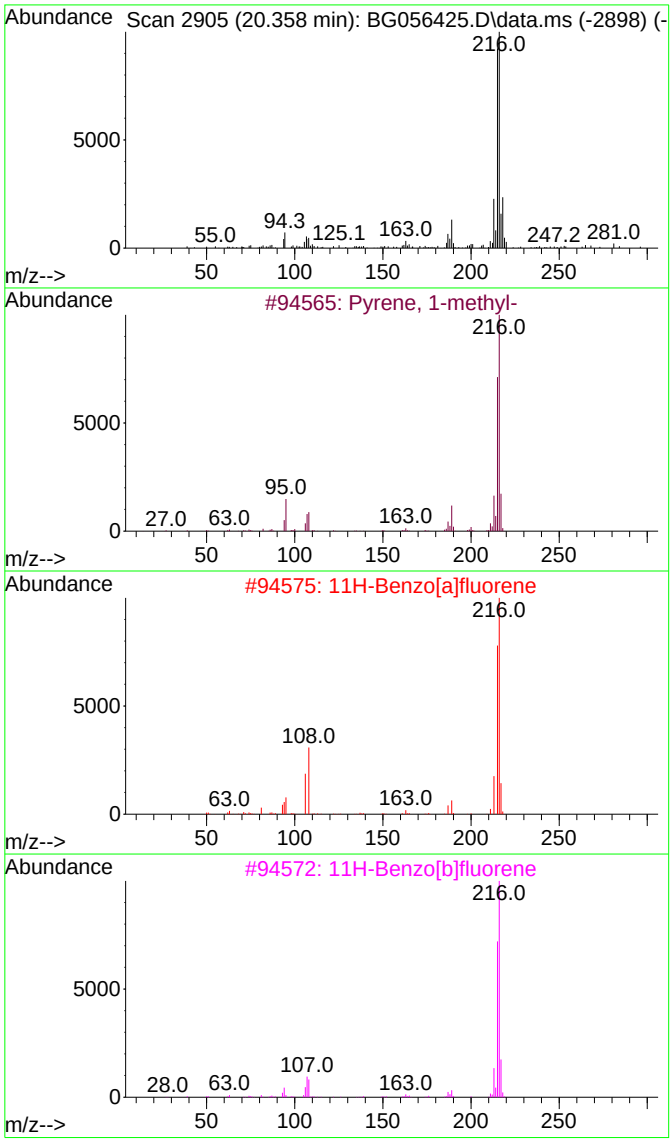
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

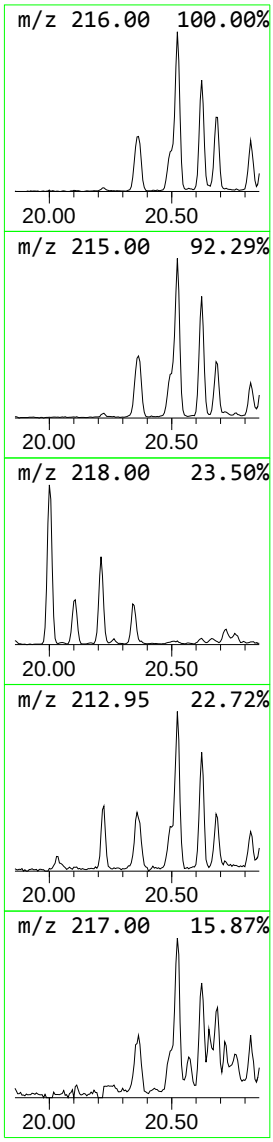
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.358	2.75 ng	273590	Chrysene-d12	21.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

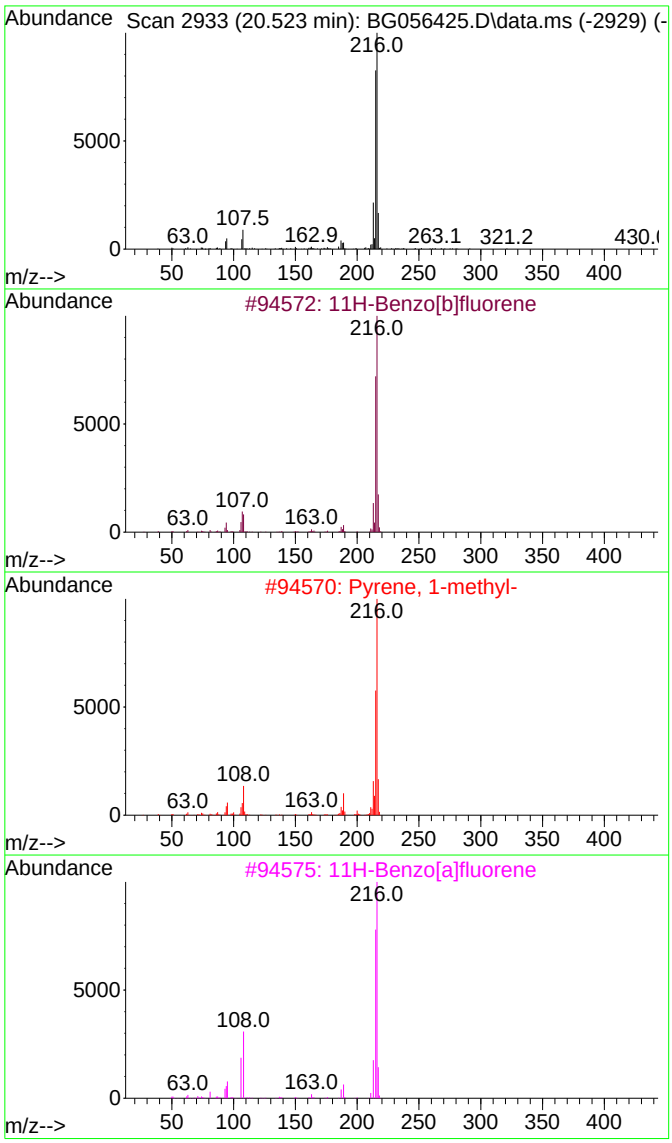
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

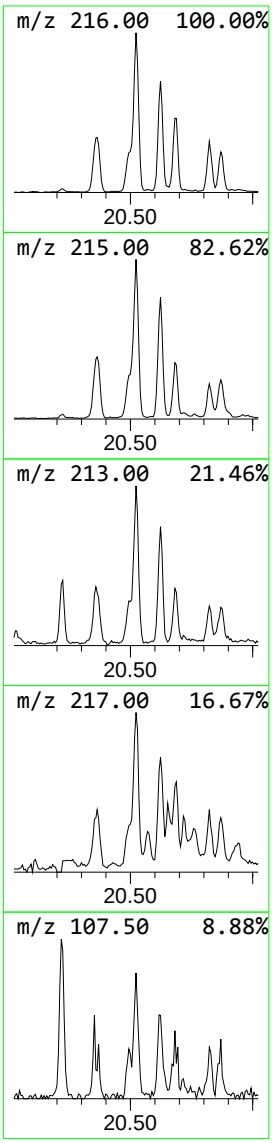
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.523	3.54 ng	352666	Chrysene-d12	21.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4	6,6'-Dimethoxy-2,2'-bipyridile	216	C12H12N2O2	039858-88-3	64
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

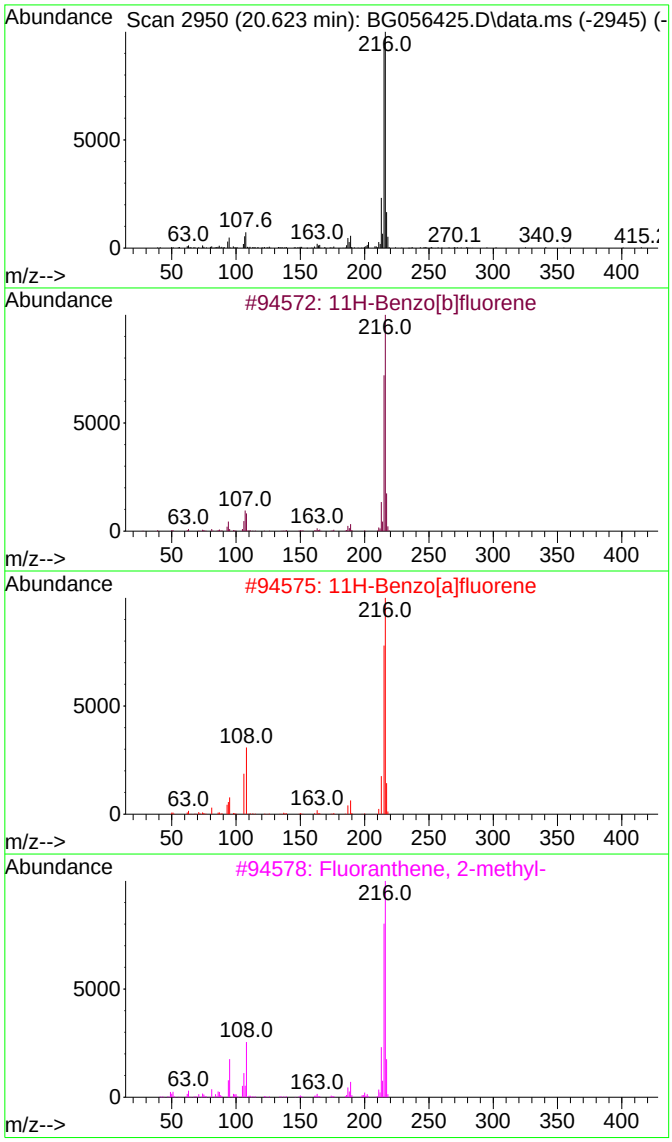
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

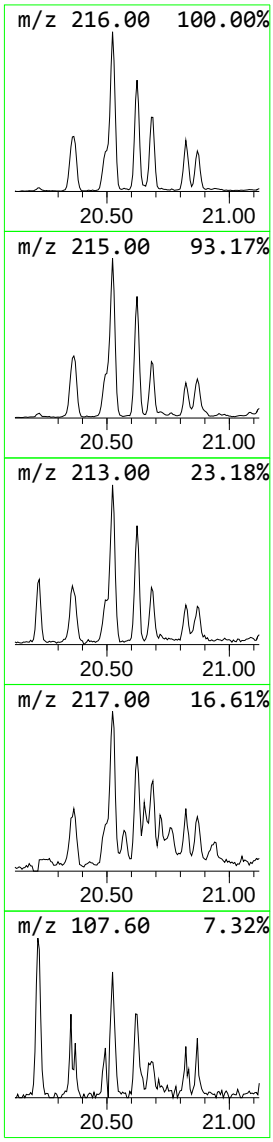
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.623	2.67 ng	265715	Chrysene-d12	21.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
4	Sulfameter	280	C11H12N4O3S	000651-06-9	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

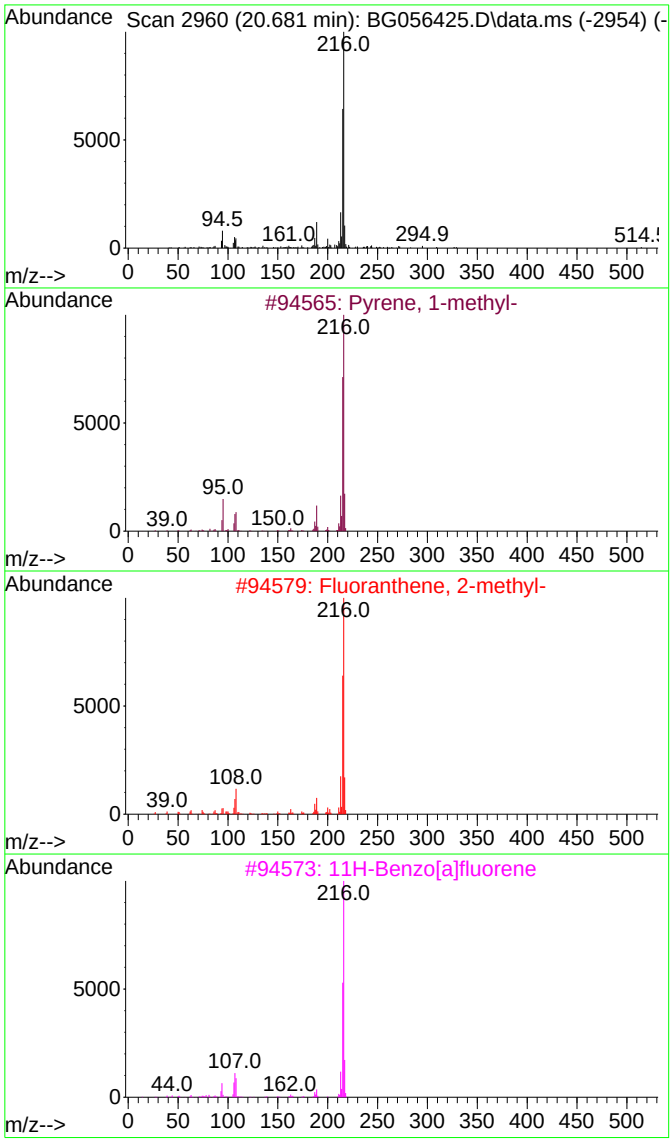
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

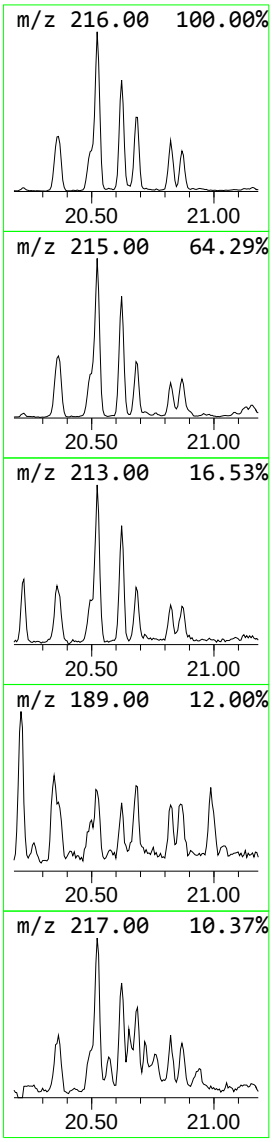
****

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.682	2.11 ng	209835	Chrysene-d12	21.939

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	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

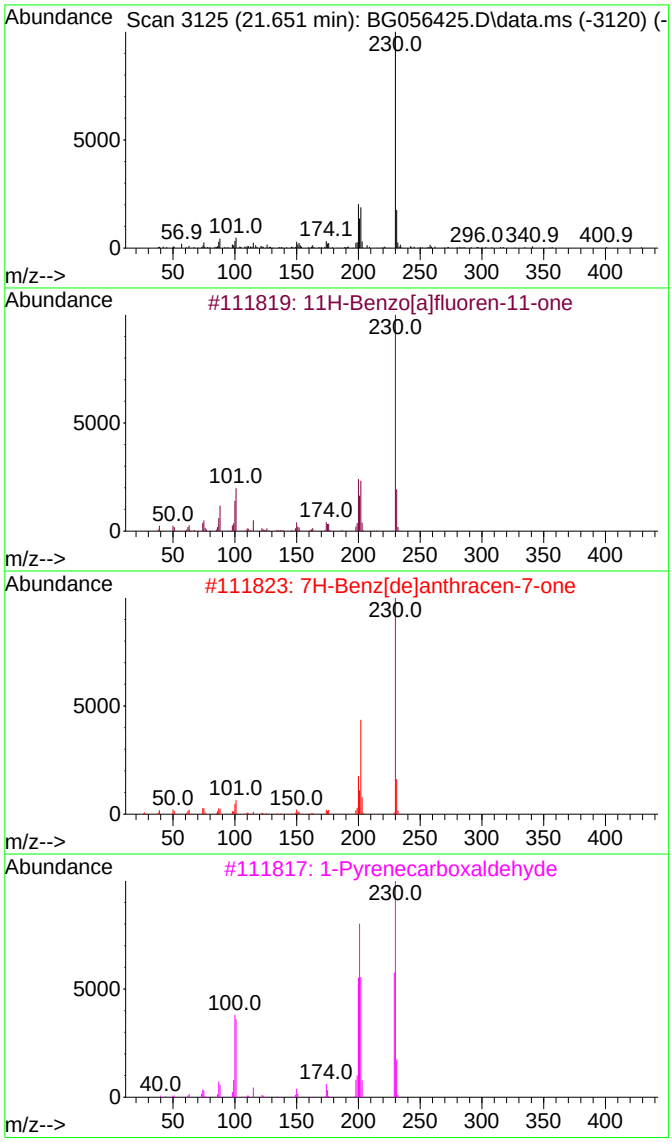
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

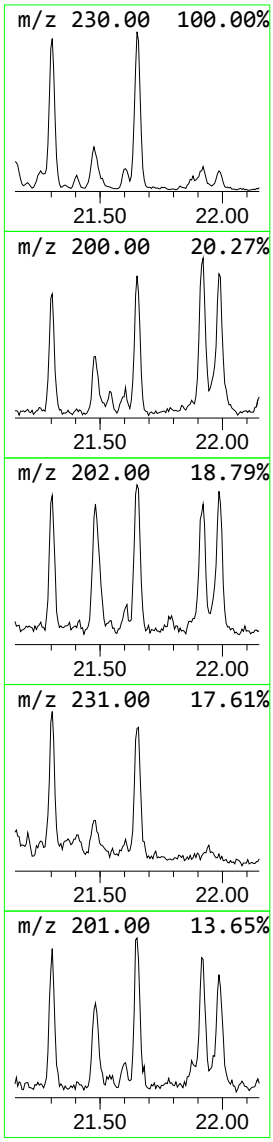
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.651	2.28 ng	227157	Chrysene-d12	21.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	6,9-Dimethoxy-4-methyl-2,3-dihyd...	245	C14H15NO3	001723-11-1	72
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

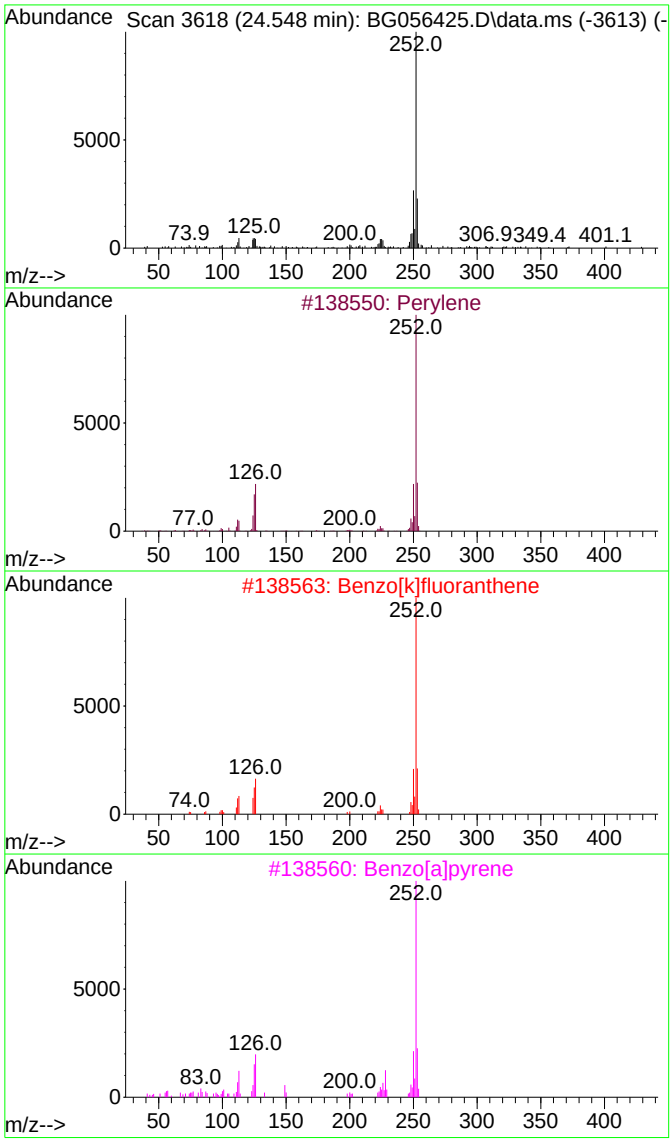
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

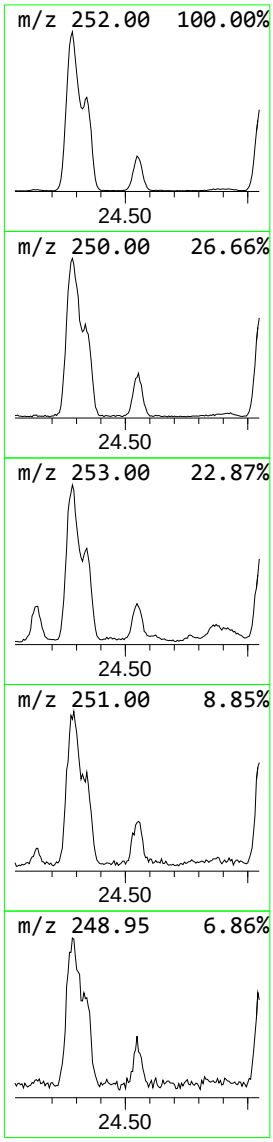
****

Peak Number 19 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.548	6.89 ng	182783	Perylene-d12	25.376

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	89
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
3	Benzo[a]pyrene	252	C20H12	000050-32-8	76
4	Benzo[e]pyrene	252	C20H12	000192-97-2	74
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

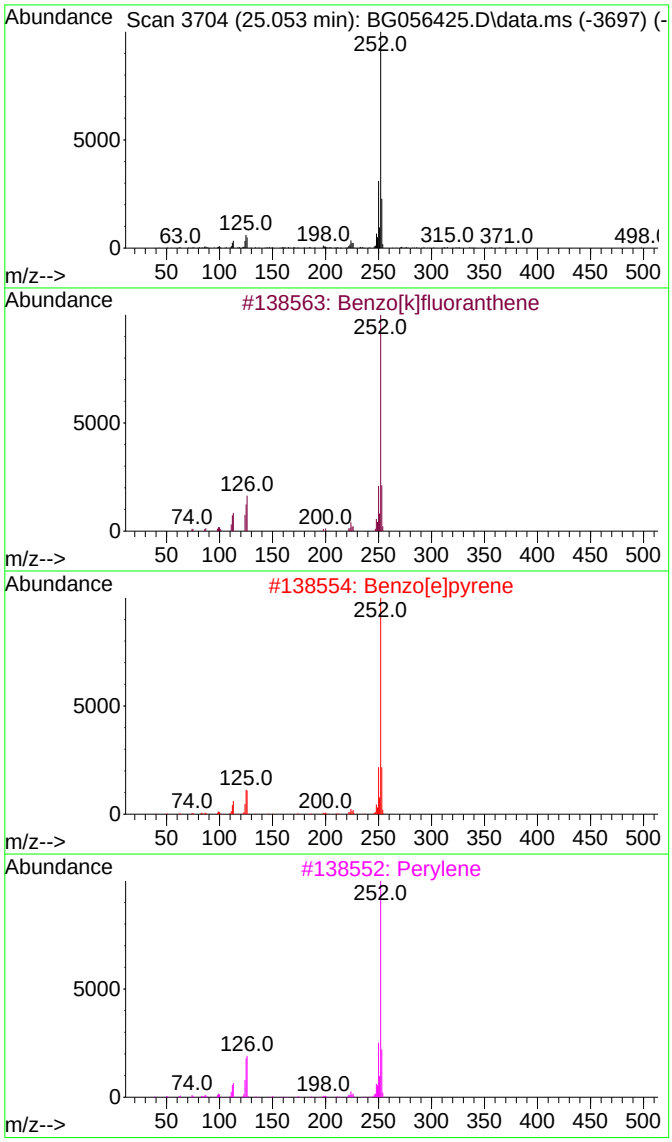
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

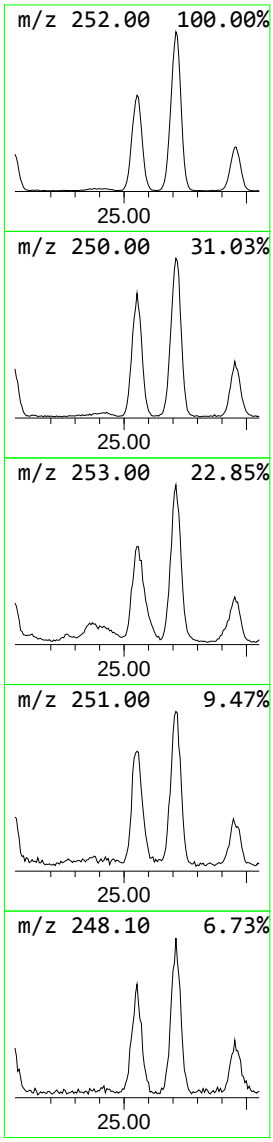
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.053	26.03 ng	690811	Perylene-d12	25.376

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
Data File : BG056425.D
Acq On : 25 Jan 2023 15:16
Operator : CG/JU
Sample : 01271-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.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
2-Pentanone, 4-...	5.329	14.4	ng	145945	1	8.296	202034	20.0
Dibenzofuran, 4...	16.240	4.0	ng	95802	3	14.906	477113	20.0
9H-Fluorene, 2-...	16.945	2.5	ng	78697	4	17.644	636613	20.0
Dibenzothiophene	17.468	2.6	ng	81508	4	17.644	636613	20.0
Phenanthrene, 1...	18.514	7.5	ng	238966	4	17.644	636613	20.0
Phenanthrene, 2...	18.560	9.2	ng	291238	4	17.644	636613	20.0
Anthracene, 1-m...	18.643	4.1	ng	130983	4	17.644	636613	20.0
4H-Cyclopenta[d...	18.713	15.8	ng	504258	4	17.644	636613	20.0
Naphthalene, 2-...	19.001	5.5	ng	173663	4	17.644	636613	20.0
9,10-Anthracene...	19.048	2.9	ng	90809	4	17.644	636613	20.0
9,12-Octadecadi...	19.395	6.3	ng	199750	4	17.644	636613	20.0
11-Octadecenoic...	19.418	3.8	ng	122096	4	17.644	636613	20.0
Cyclopenta(def)...	19.559	4.4	ng	140432	4	17.644	636613	20.0
Pyrene, 1-methyl-	20.358	2.8	ng	273590	5	21.939	1990010	20.0
11H-Benzo[b]flu...	20.523	3.5	ng	352666	5	21.939	1990010	20.0
11H-Benzo[a]flu...	20.623	2.7	ng	265715	5	21.939	1990010	20.0
Fluoranthene, 2...	20.682	2.1	ng	209835	5	21.939	1990010	20.0
11H-Benzo[a]flu...	21.651	2.3	ng	227157	5	21.939	1990010	20.0
Perylene	24.548	6.9	ng	182783	6	25.376	530704	20.0
Benzo[e]pyrene	25.053	26.0	ng	690811	6	25.376	530704	20.0