LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056052.D
Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(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: BG056052.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.388	11	17	25	rBB	20428	30772	3.21%	0.245%
2	5.404	354	360	367	rBB	57407	88977	9.29%	0.709%
3	5.879	435	441	450	rBB	131560	207925	21.71%	1.656%
4	7.495	708	716	723	rBB	137714	240321	25.10%	1.915%
5	8.359	858	863	869	rVB	35355	60176	6.28%	0.479%
6	9.534	1055	1063	1069	rBV	96191	171920	17.95%	1.370%
7	11.197	1340	1346	1351	rVV	48393	87903	9.18%	0.700%
8	11.244	1351	1354	1360	rVB	16653	25465	2.66%	0.203%
9	12.824	1617	1623	1628	rBB	10859	17355	1.81%	0.138%
10	13.036	1654	1659	1665	rBB	8899	13552	1.42%	0.108%
11	13.600	1746	1755	1761	rBB	318455	477724	49.89%	3.806%
12	14.293	1865	1873	1878	rBV	8528	14105	1.47%	0.112%
13	14.693	1936	1941	1948	rBV2	6900	11374	1.19%	0.091%
14	14.969	1976	1988	1994	rBV2	89149	152431	15.92%	1.214%
15	15.033	1994	1999	2004	rVB	13170	19858	2.07%	0.158%
16	15.357	2044	2054	2061	rVB4	11040	22152	2.31%	0.176%
17	15.574	2085	2091	2096	rBV5	5386	10288	1.07%	0.082%
18	15.774	2122	2125	2130	rVB	8401	11443	1.20%	0.091%
19	16.003	2158	2164	2172	rBV2	12594	24612	2.57%	0.196%
20	16.297	2204	2214	2220	rVB6	8467	20520	2.14%	0.163%
21	16.444	2233	2239	2247	rVB	315644	475669	49.67%	3.790%
22	16.632	2267	2271	2273	rBV2	8621	10897	1.14%	0.087%
23	16.661	2273	2276	2283	rVB6	9716	17418	1.82%	0.139%
24	17.055	2338	2343	2348	rVB7	7208	14794	1.54%	0.118%
25	17.272	2377	2380	2389	rVB5	6573	11877	1.24%	0.095%
26	17.354	2389	2394	2400	rBV2	18418	29573	3.09%	0.236%
27	17.425	2402	2406	2412	rVV5	13395	21631	2.26%	0.172%
28	17.525	2418	2423	2429	rBV	13052	21389	2.23%	0.170%
29	17.707	2448	2454	2457	rBV	115433	181994	19.01%	1.450%
30	17.748	2457	2461	2467	rVV	261539	381217	39.81%	3.037%
31	17.836	2471	2476	2481	rVV	52798	76733	8.01%	0.611%
32	17.895	2482	2486	2489	rVB4	6232	10253	1.07%	0.082%
33	18.095	2515	2520	2527	rBV	18525	35294	3.69%	0.281%
34	18.159	2527	2531	2536	rVV5	10566	15961	1.67%	0.127%
35	18.218	2537	2541	2543	rVV2	9365	11738	1.23%	0.094%
36	18.283	2547	2552	2558	rVB2	13416	22661	2.37%	0.181%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056052.D
Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(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	18.429	2572	2577	2583	rVB	8818	14270	1.49%	0.114%
38	18.500	2583	2589	2592	rBV5	7155	13406	1.40%	0.107%
39	18.559	2592	2599	2605	rVV2	91072	193421	20.20%	1.541%
40	18.623	2605	2610	2614	rVB	69653	111633	11.66%	0.889%
41	18.700	2619	2623	2628	rVB	23902	32757	3.42%	0.261%
42	18.764	2628	2634	2638	rBV2	65563	135747	14.18%	1.081%
43	18.800	2638	2640	2645	rVB	40333	48243	5.04%	0.384%
44	18.958	2663	2667	2671	rVV6	7860	12359	1.29%	0.098%
45	19.058	2679	2684	2688	rBV	50651	72007	7.52%	0.574%
46	19.099	2688	2691	2698	rVV3	29470	46051	4.81%	0.367%
47	19.181	2702	2705	2710	rBV2	10722	14197	1.48%	0.113%
48	19.299	2718	2725	2731	rBV5	25836	47115	4.92%	0.375%
49	19.352	2731	2734	2737	rBV	15605	16564	1.73%	0.132%
50	19.387	2737	2740	2745	rVB2	17578	22037	2.30%	0.176%
51	19.469	2749	2754	2759	rBV	63189	112233	11.72%	0.894%
52	19.528	2760	2764	2768	rBV3	15761	28539	2.98%	0.227%
53	19.563	2768	2770	2773	rVB2	19322	19248	2.01%	0.153%
54	19.616	2773	2779	2782	rBV2	38116	71005	7.42%	0.566%
55	19.740	2793	2800	2805	rBV	480953	706831	73.82%	5.631%
56	19.804	2805	2811	2819	rVB4	42653	94742	9.89%	0.755%
57	19.881	2821	2824	2827	rBV	10589	15071	1.57%	0.120%
58	19.975	2835	2840	2842	rBV4	23690	36796	3.84%	0.293%
59	20.063	2851	2855	2856	rBV	67891	80292	8.38%	0.640%
60	20.098	2857	2861	2868	rVB	559674	835406	87.24%	6.655%
61	20.157	2868	2871	2877	rBV2	39155	59247	6.19%	0.472%
62	20.280	2886	2892	2896	rBV	553513	741828	77.47%	5.910%
63	20.421	2909	2916	2921	rBV4	50975	114922	12.00%	0.916%
64	20.680	2956	2960	2963	rBV	29663	38224	3.99%	0.305%
65	20.739	2966	2970	2974	rVB	78188	110792	11.57%	0.883%
66	20.880	2990	2994	2998	rBV	84511	125230	13.08%	0.998%
67	20.927	2999	3002	3012	rVB	63442	118786	12.40%	0.946%
68	21.367	3072	3077	3084	rVB	66102	114871	12.00%	0.915%
69	21.608	3114	3118	3122	rVB2	85644	147165	15.37%	1.172%
70	21.661	3123	3127	3132	rVV2	71577	118788	12.41%	0.946%
71	21.720	3134	3137	3146	rVB2	57938	105243	10.99%	0.838%
72	21.996	3177	3184	3191	rBV2	349336	879977	91.90%	7.011%
73	22.066	3191	3196	3203	rVB	316326	553942	57.85%	4.413%
74	22.231	3219	3224	3229	rBV2	55629	98649	10.30%	0.786%
75	24.399	3584	3593	3603	rBV2	232961	957568	100.00%	7.629%
76	25.186	3719	3727	3744	rVB	208507	660765	69.00%	5.264%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056052.D
Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(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	25.357	3746	3756	3769	rVB	262469	839798	87.70%	6.690%
78	29.546	4456	4469	4490	rVB3	97703	541388	56.54%	4.313%
79	30.815	4675	4685	4700	rVB2	86444	397029	41.46%	3.163%

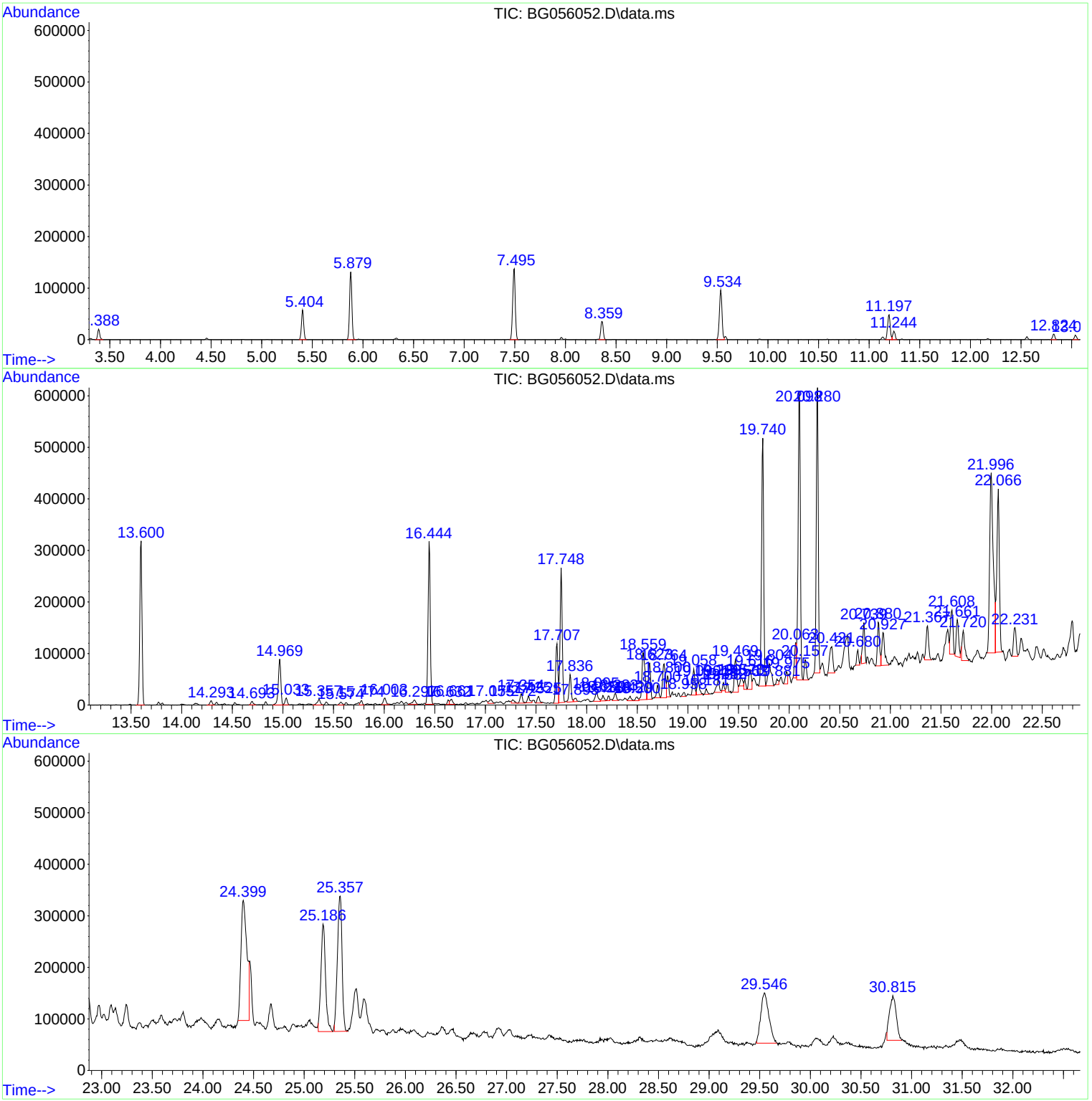
Sum of corrected areas: 12552154

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056052.D
Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(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 : BG056052.D
Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(0-2)

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

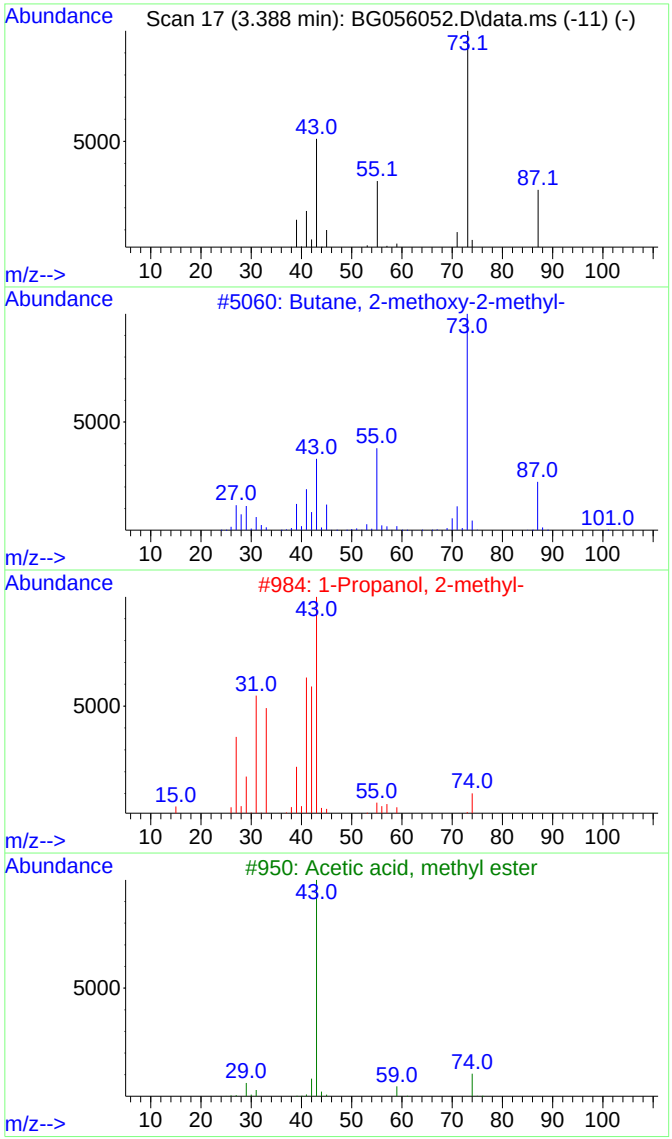
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

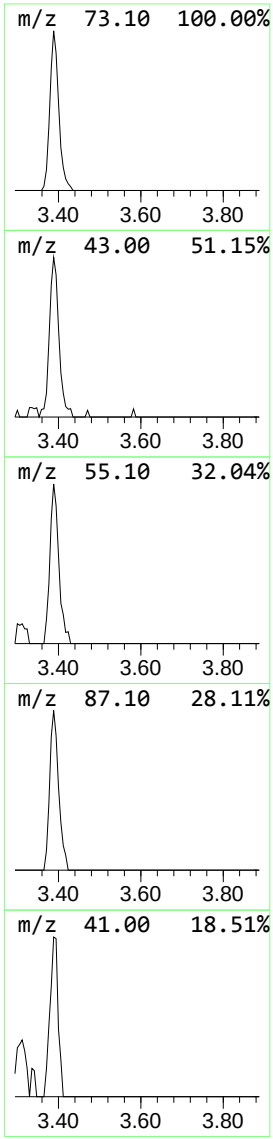
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.388	10.23 ng	30772	1,4-Dichlorobenzene-d4	8.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	56
2	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
3	Acetic acid, methyl ester	74	C3H6O2	000079-20-9	9
4	Oxalic acid, allyl pentyl ester	200	C10H16O4	1000309-23-2	9
5	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056052.D
Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(0-2)

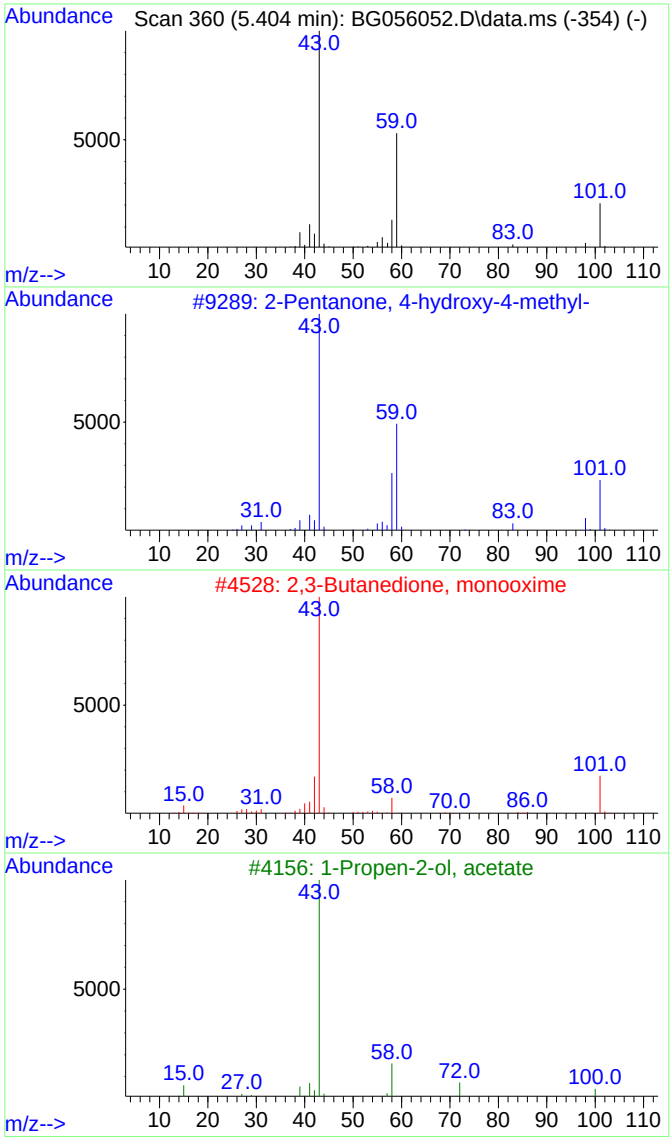
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

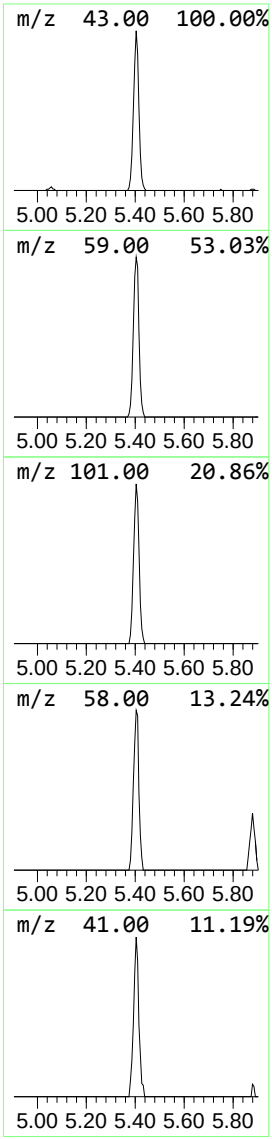
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.404	29.57 ng	88977	1,4-Dichlorobenzene-d4	8.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Butane	58	C4H10	000106-97-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056052.D
Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(0-2)

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

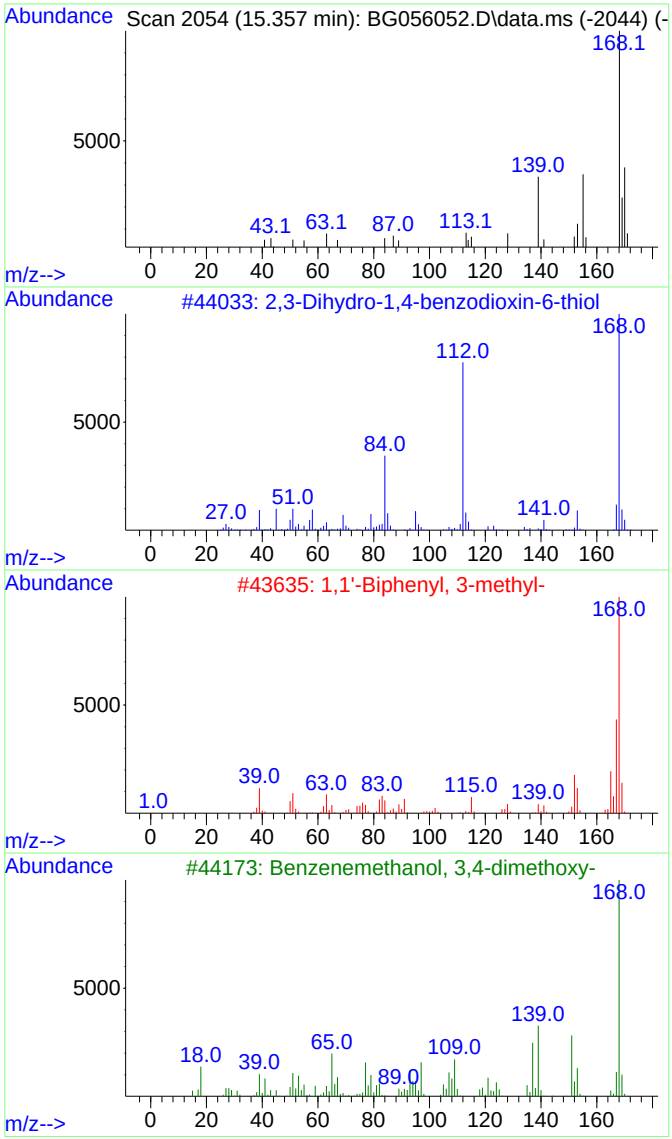
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

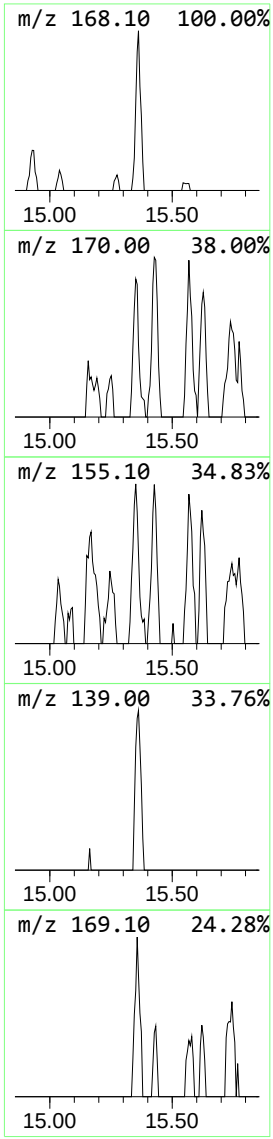
****

Peak Number 3 unknown15.357 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.357	2.91 ng	22152	Acenaphthene-d10	14.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dihydro-1,4-benzodioxin-6-thiol	168	C8H8O2S	247228-28-0	43
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	43
3	Benzenemethanol, 3,4-dimethoxy-	168	C9H12O3	000093-03-8	40
4	5-Chlorobenzo[b]thiophene	168	C8H5ClS	020532-33-6	38
5	Dibenzofuran	168	C12H8O	000132-64-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056052.D
Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(0-2)

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

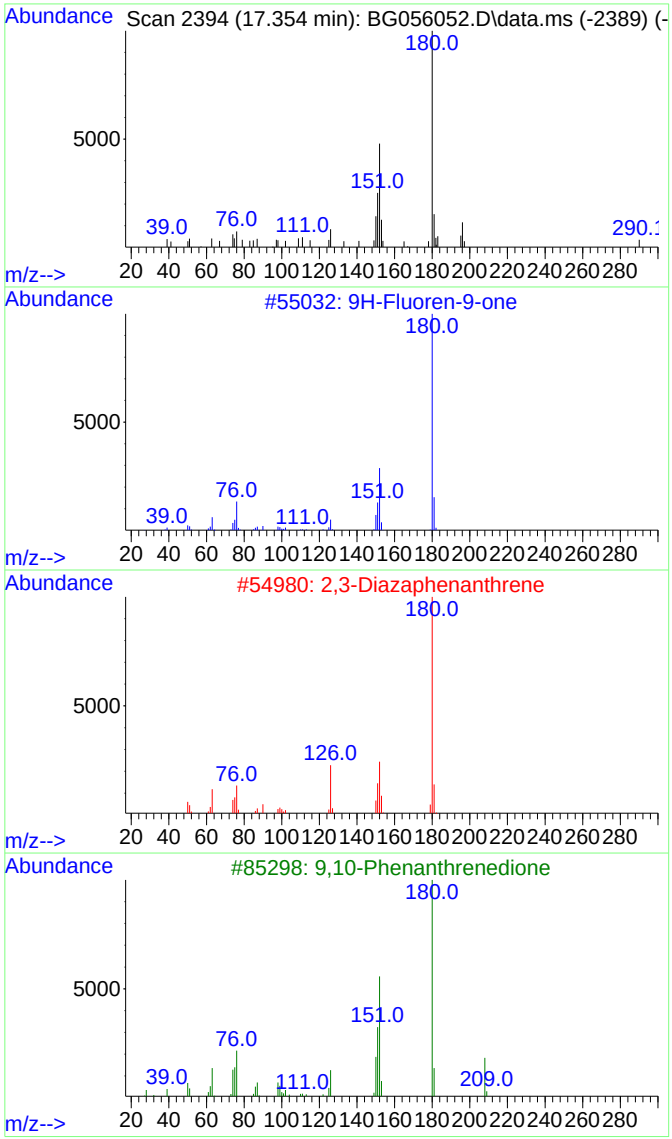
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

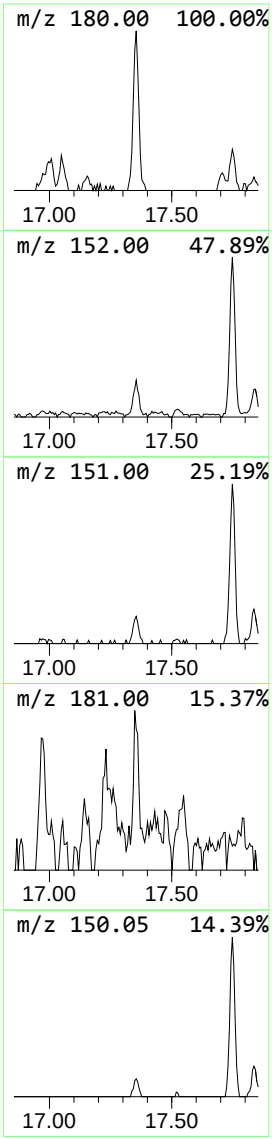
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.354	3.25 ng	29573	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
2	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	80
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	72
4	Diphenic anhydride	224	C14H8O3	006050-13-1	72
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056052.D
Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(0-2)

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

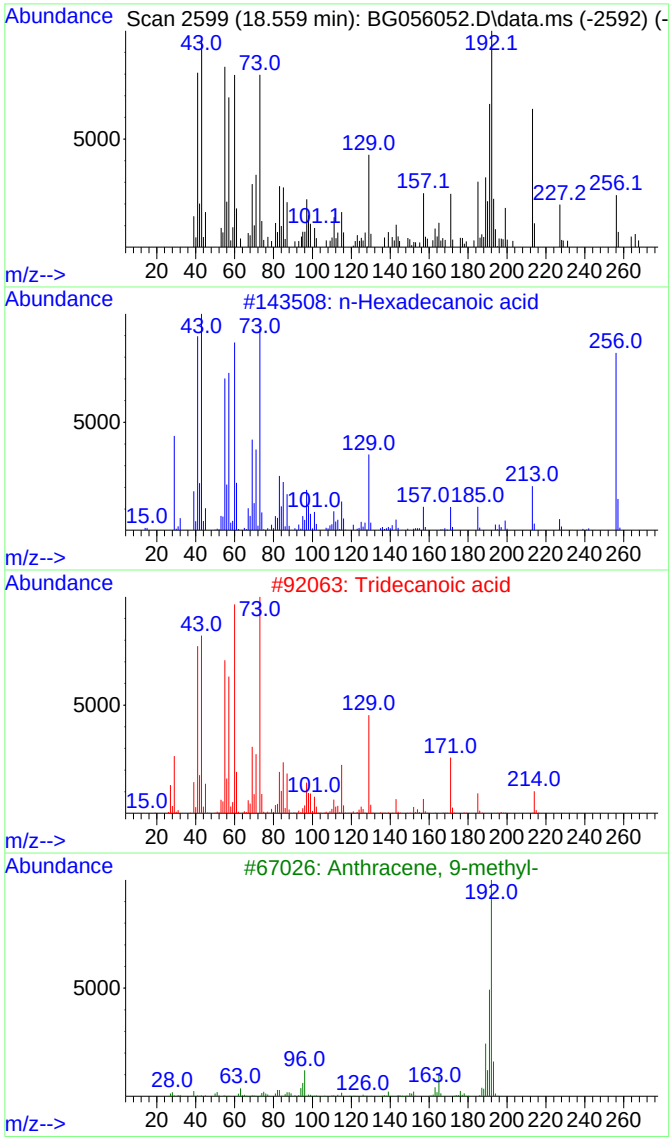
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

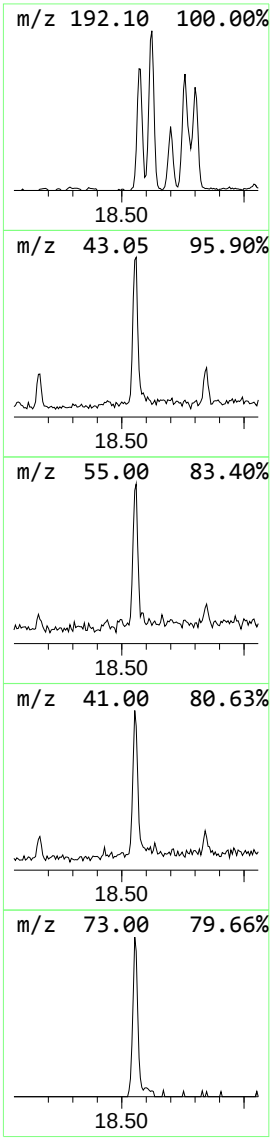
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.559	21.26 ng	193421	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Tridecanoic acid	214	C13H26O2	000638-53-9	78
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	55
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	55
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056052.D
Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(0-2)

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

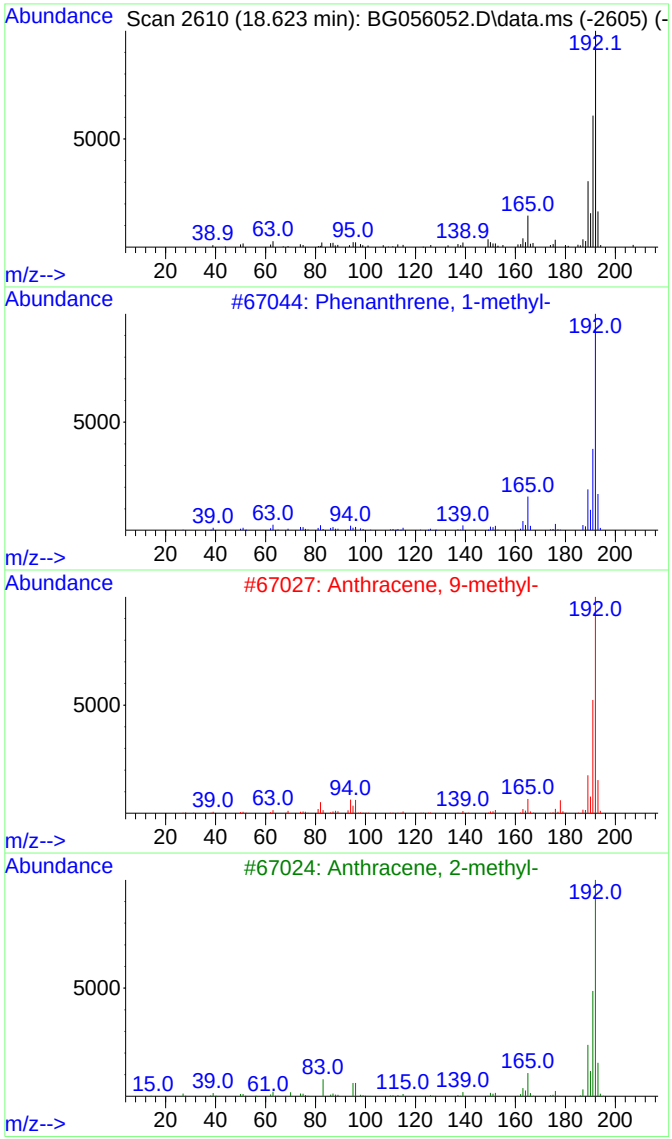
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

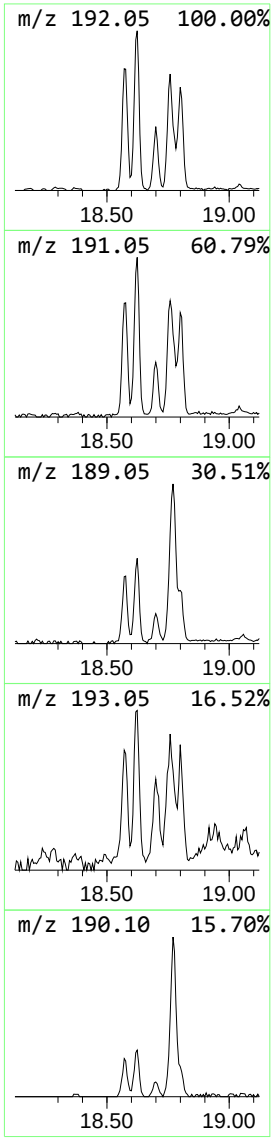
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.623	12.27 ng	111633	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





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Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(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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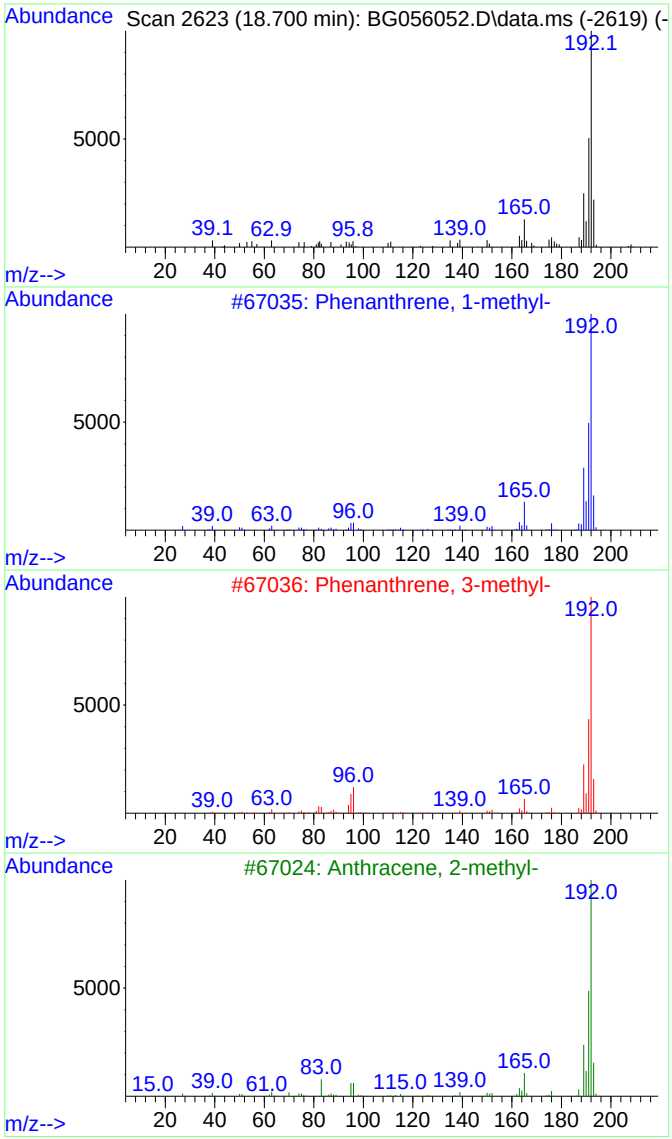
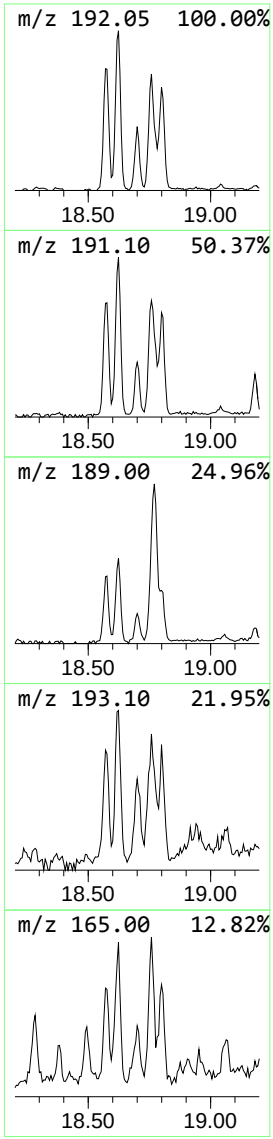
Peak Number 7 Phenanthrene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.700	3.60 ng	32757	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(0-2)

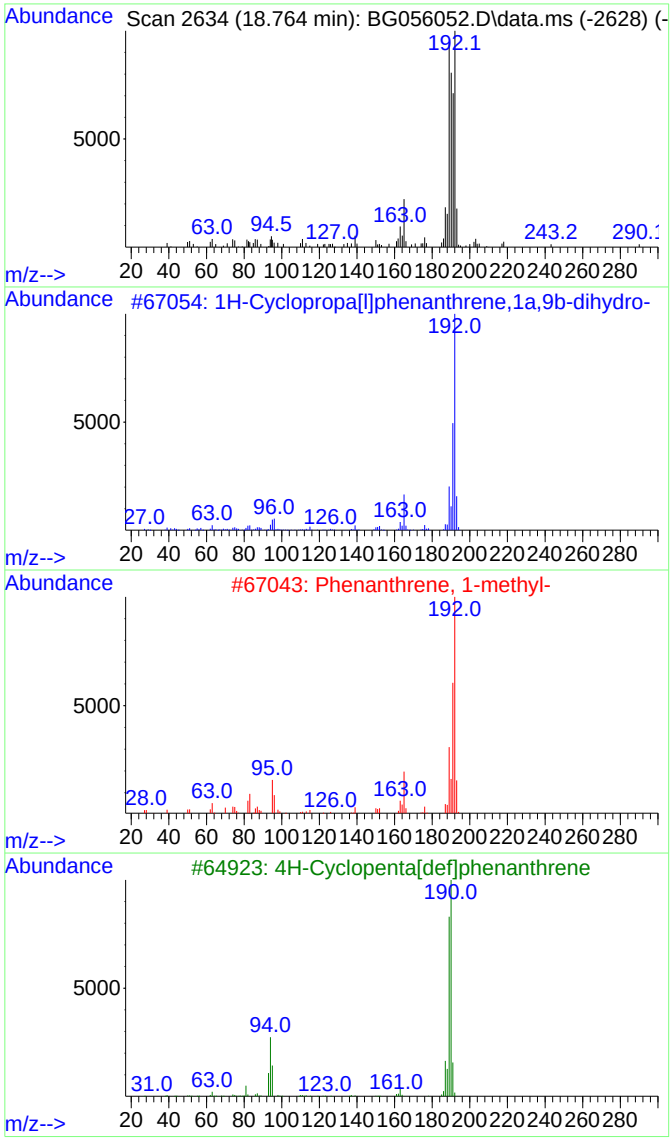
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

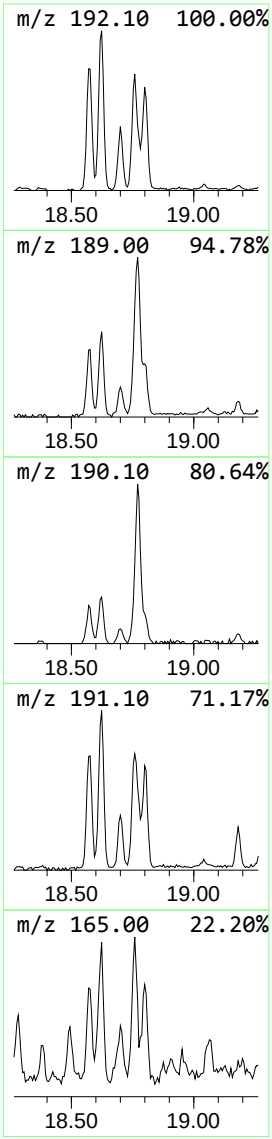
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.764	14.92 ng	135747	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	50
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46





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Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(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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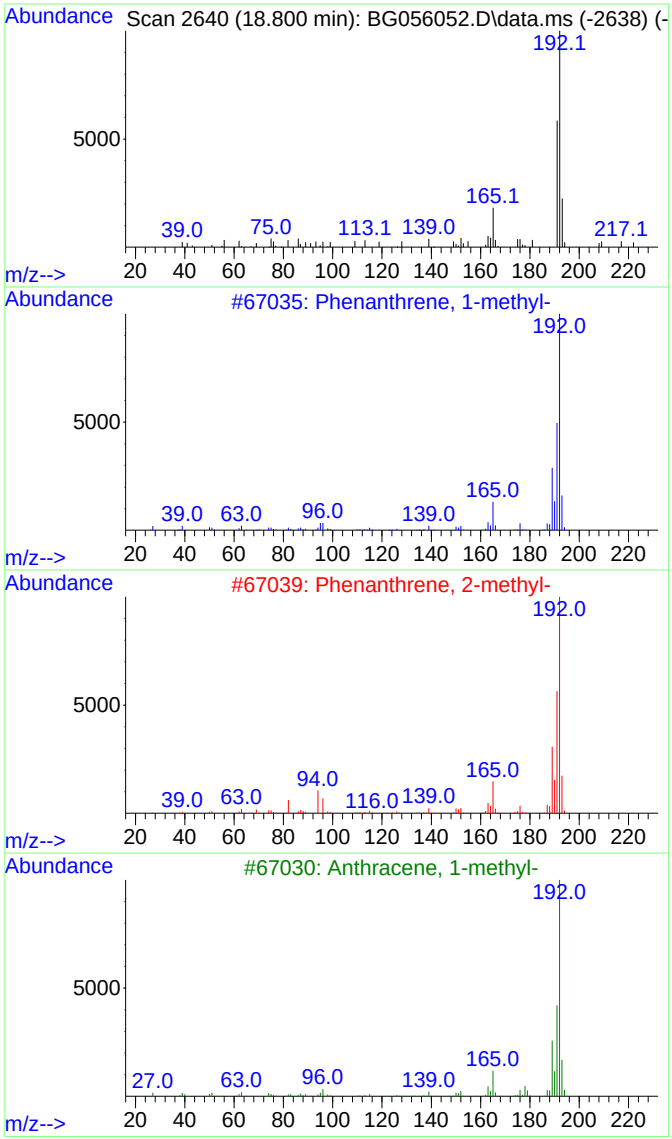
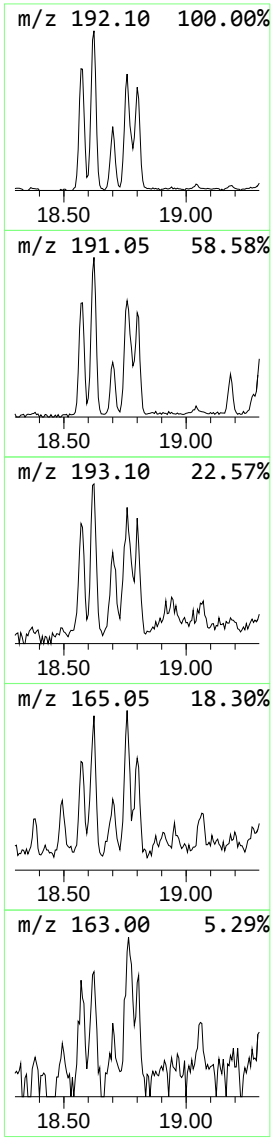
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.800	5.30 ng	48243	Phenanthrene-d10	17.707

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





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Data File : BG056052.D
Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(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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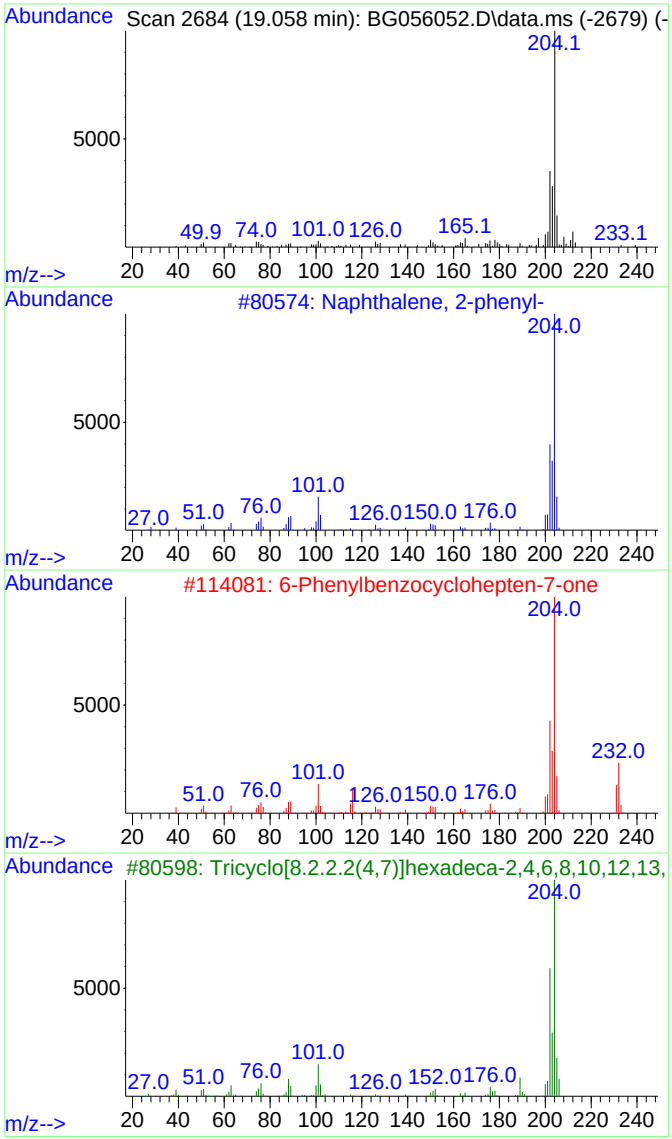
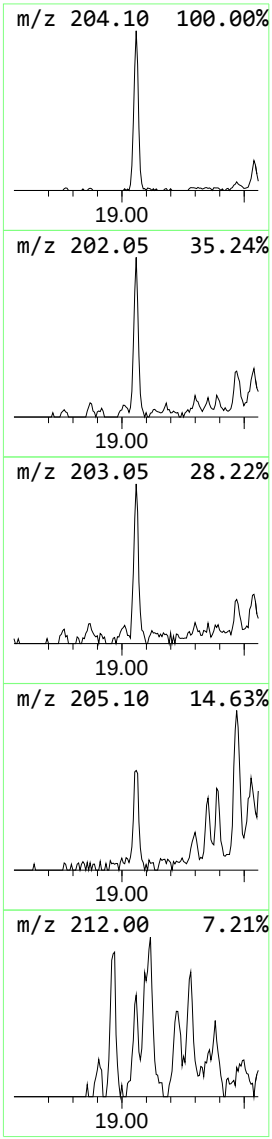
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.058	7.91 ng	72007	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
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Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 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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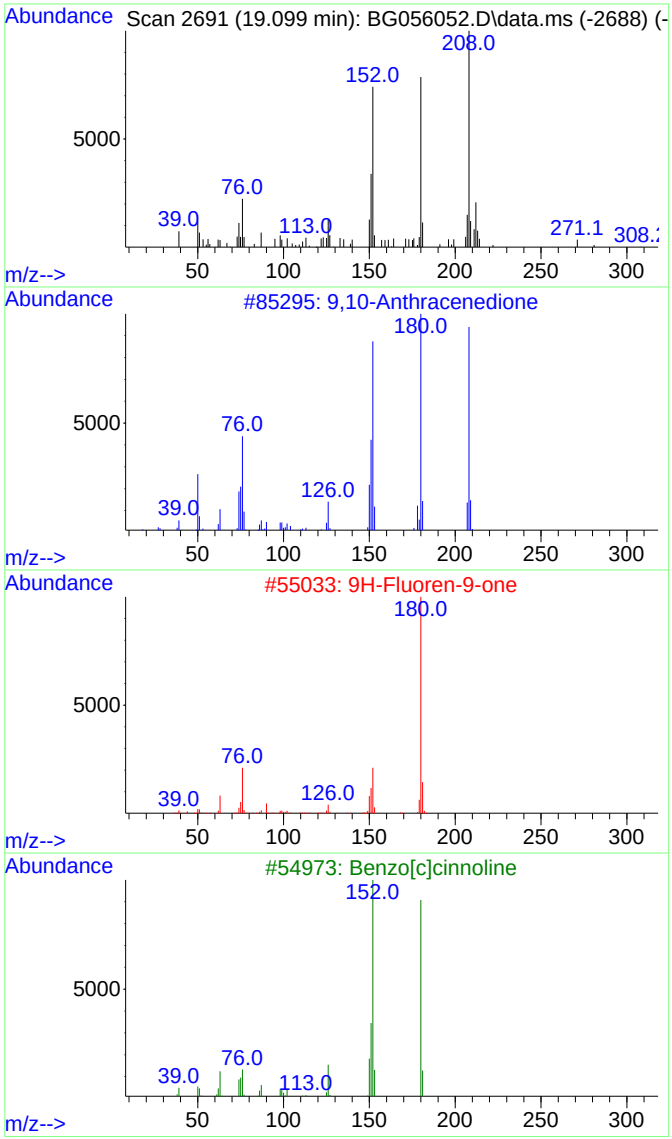
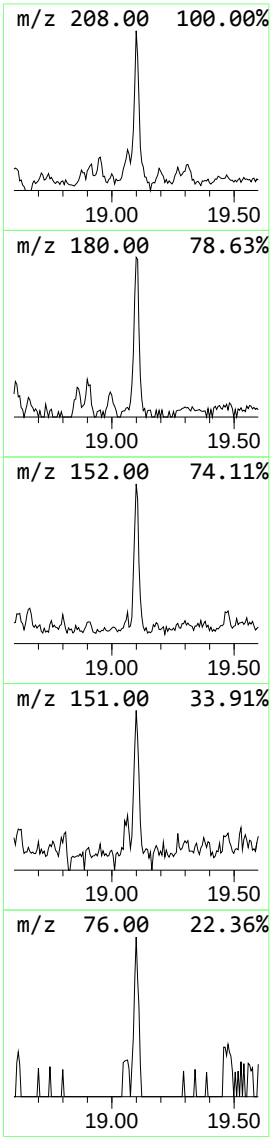
Peak Number 11 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.099	5.06 ng	46051	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52





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Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(0-2)

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

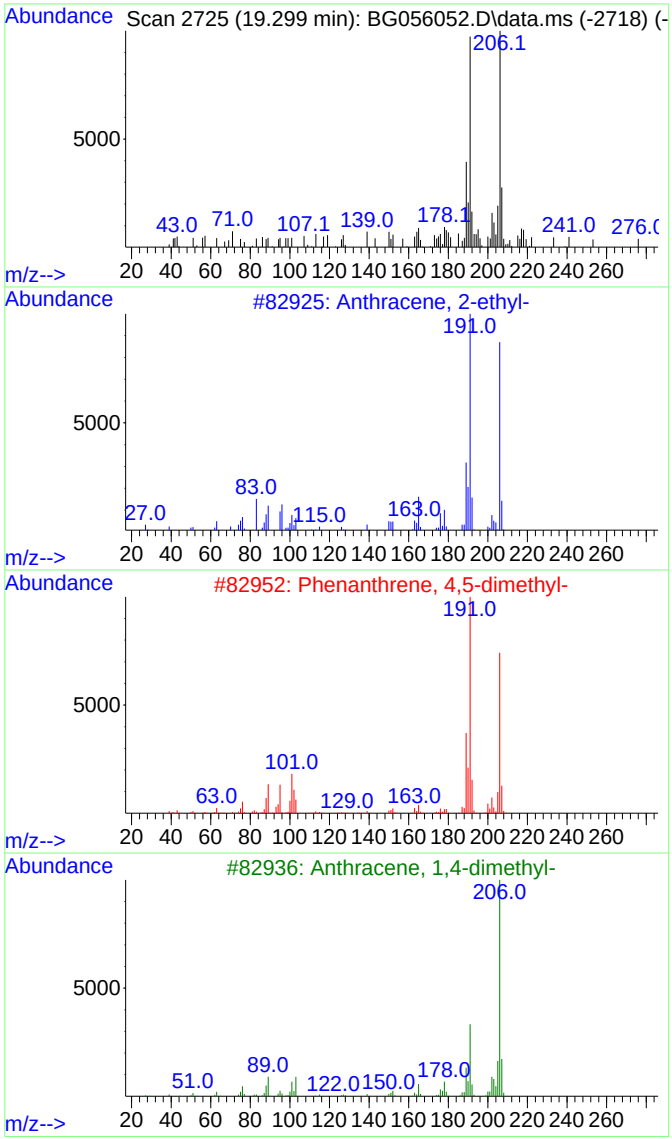
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

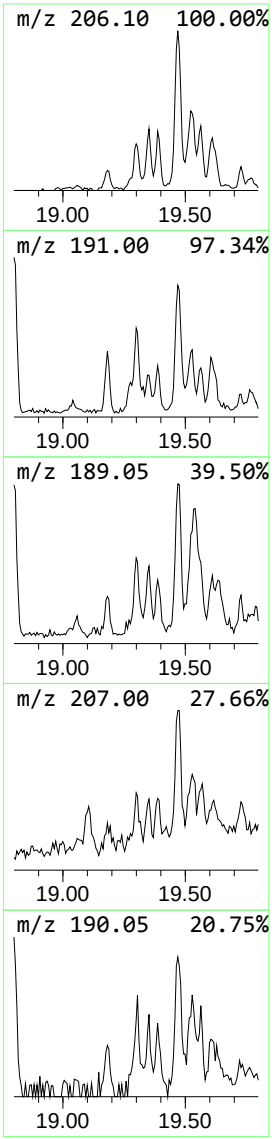
****

Peak Number 12 Anthracene, 2-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.299	5.18 ng	47115	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	87
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	81





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Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(0-2)

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

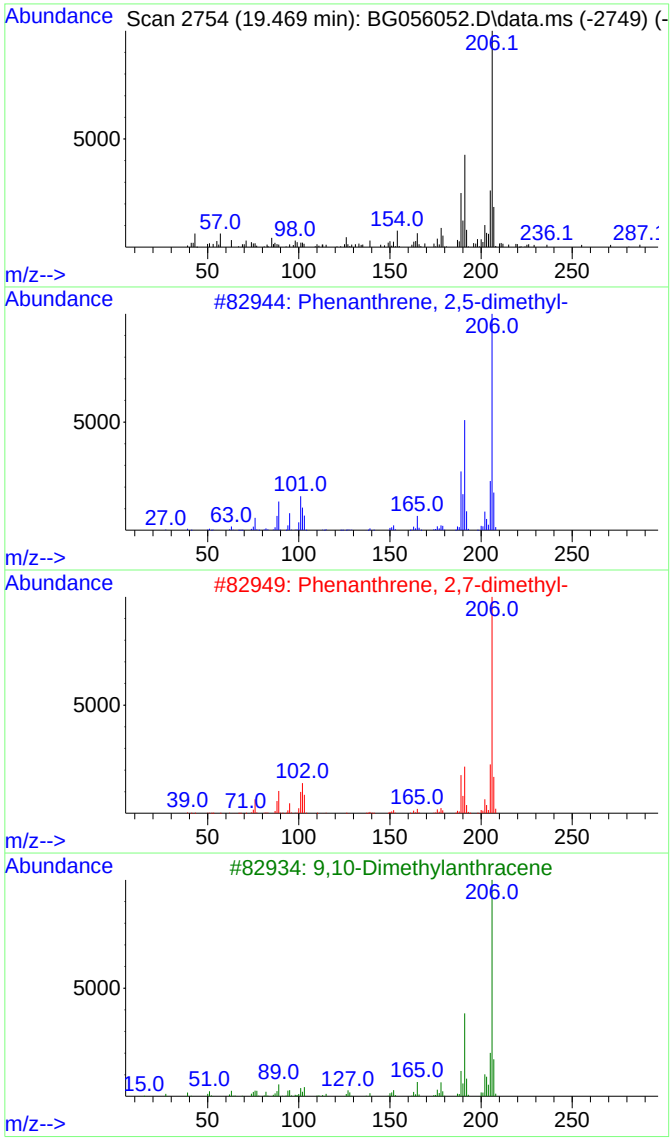
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

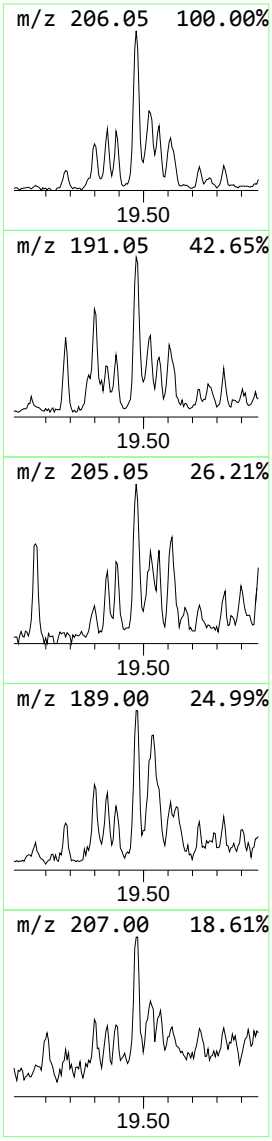
****

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.469	12.33 ng	112233	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83





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Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(0-2)

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

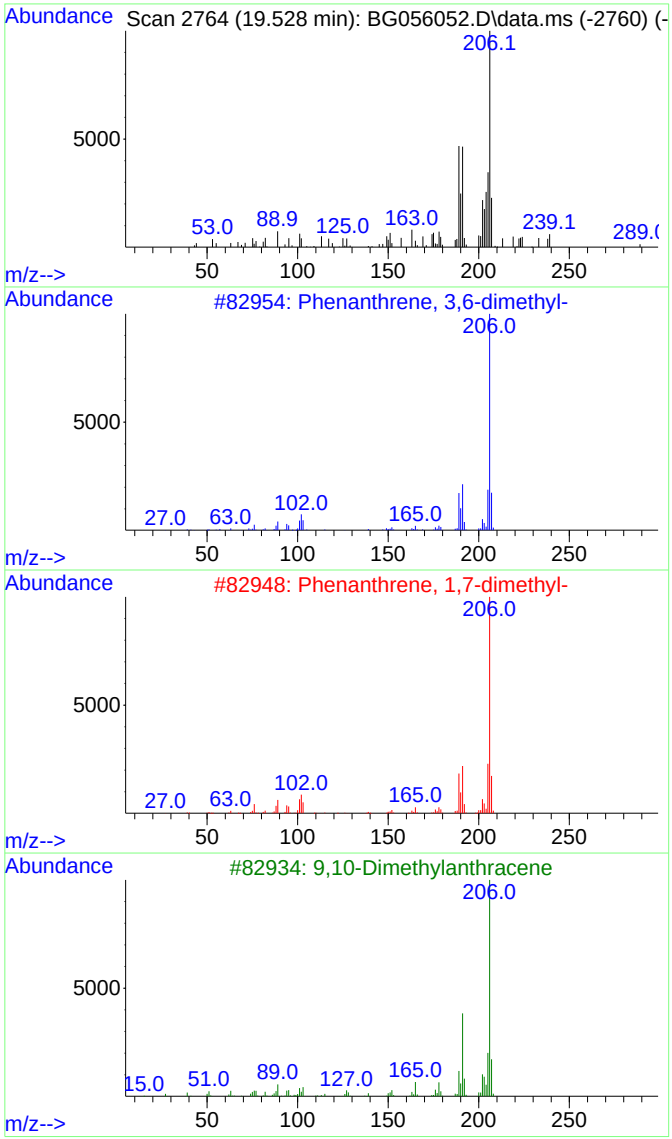
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

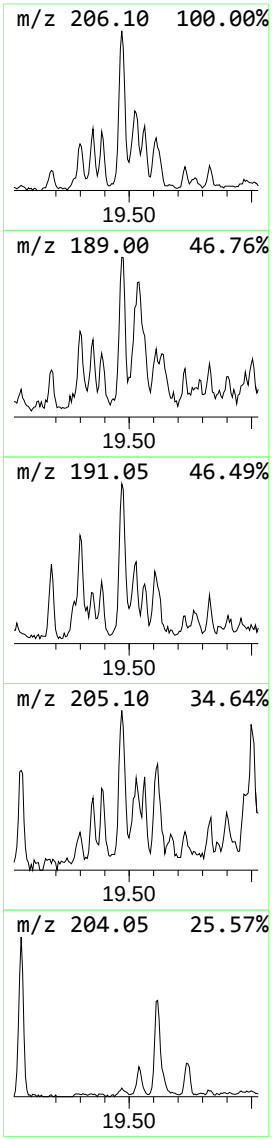
****

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.528	3.14 ng	28539	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	74
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	49
5	Chavicol TMS	206	C12H18OSi	218618-79-2	43





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Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(0-2)

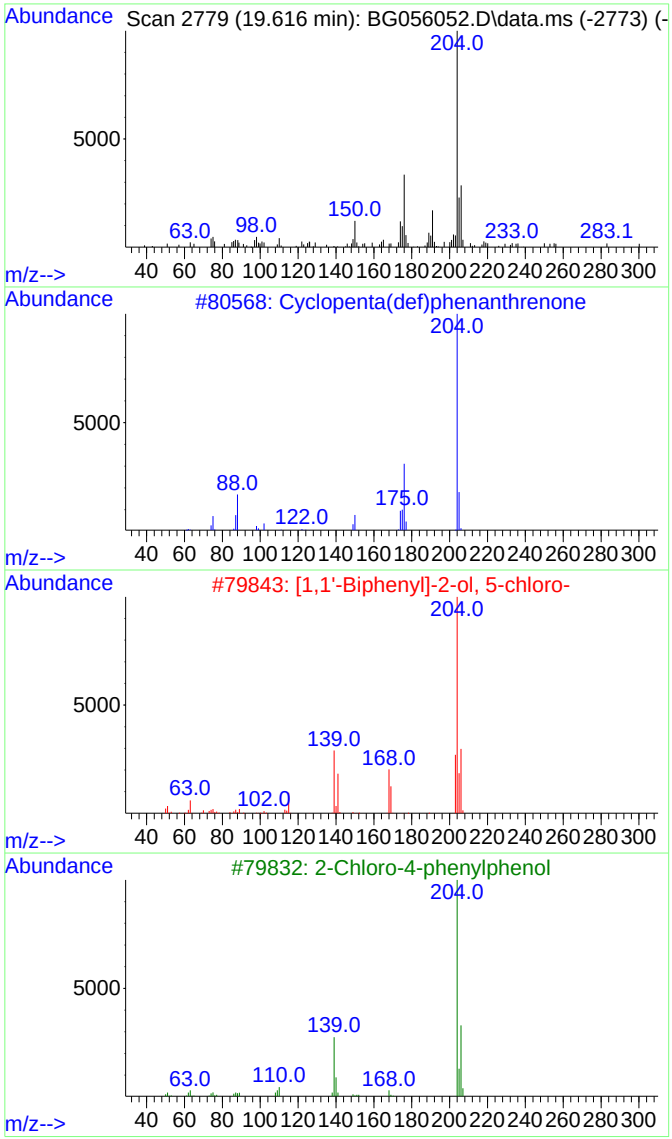
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

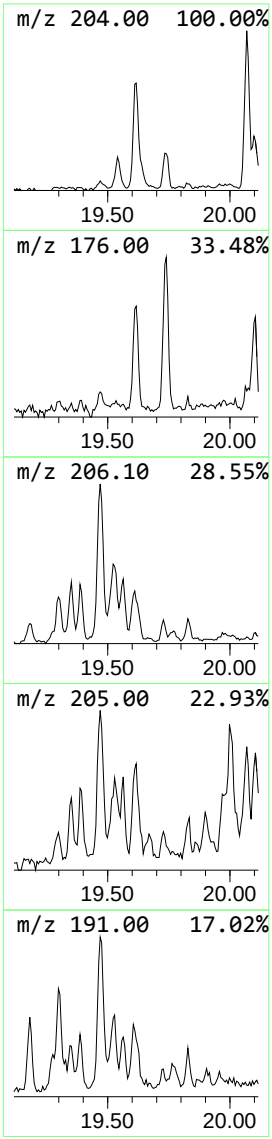
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.616	7.80 ng	71005	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	49
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(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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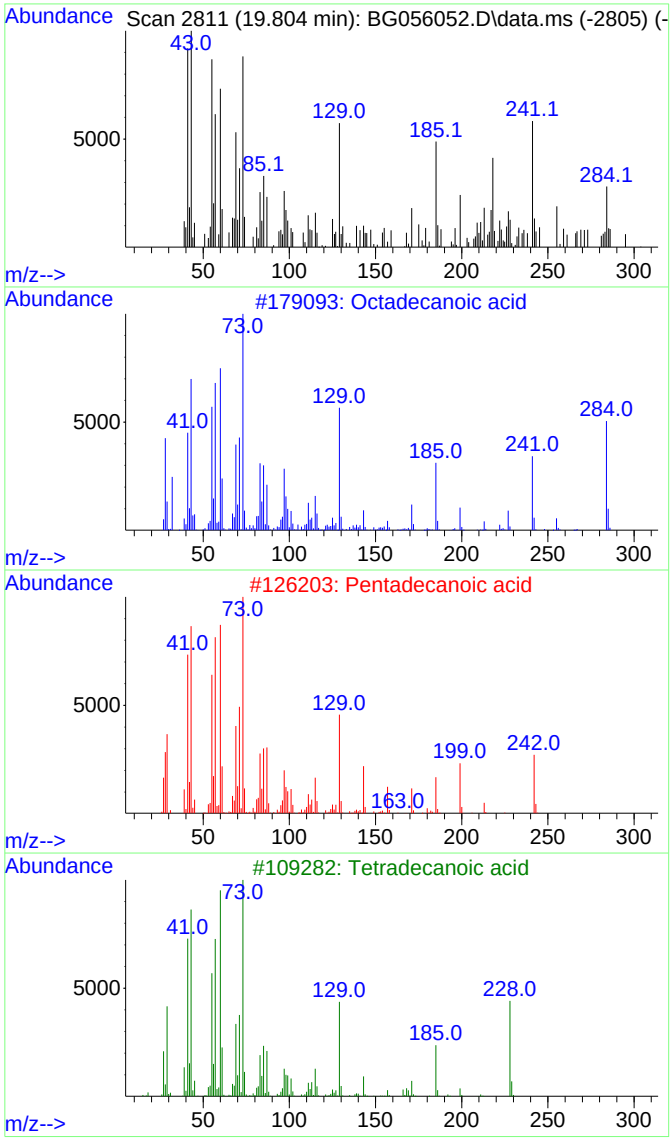
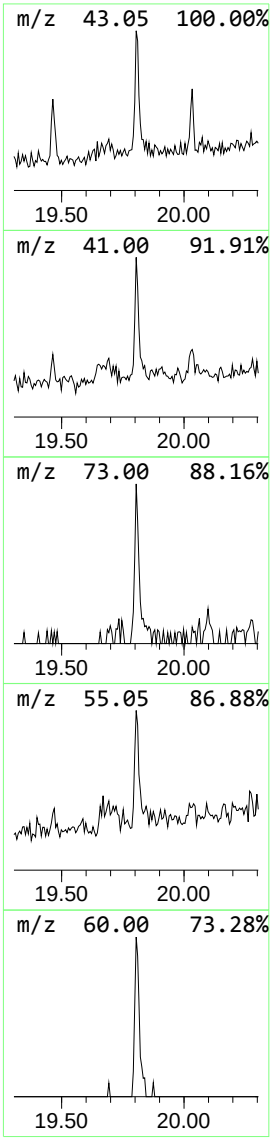
Peak Number 16 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.804	10.41 ng	94742	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	47
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	46
4	n-Decanoic acid	172	C10H20O2	000334-48-5	25
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	22





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ALS Vial : 12 Sample Multiplier: 1

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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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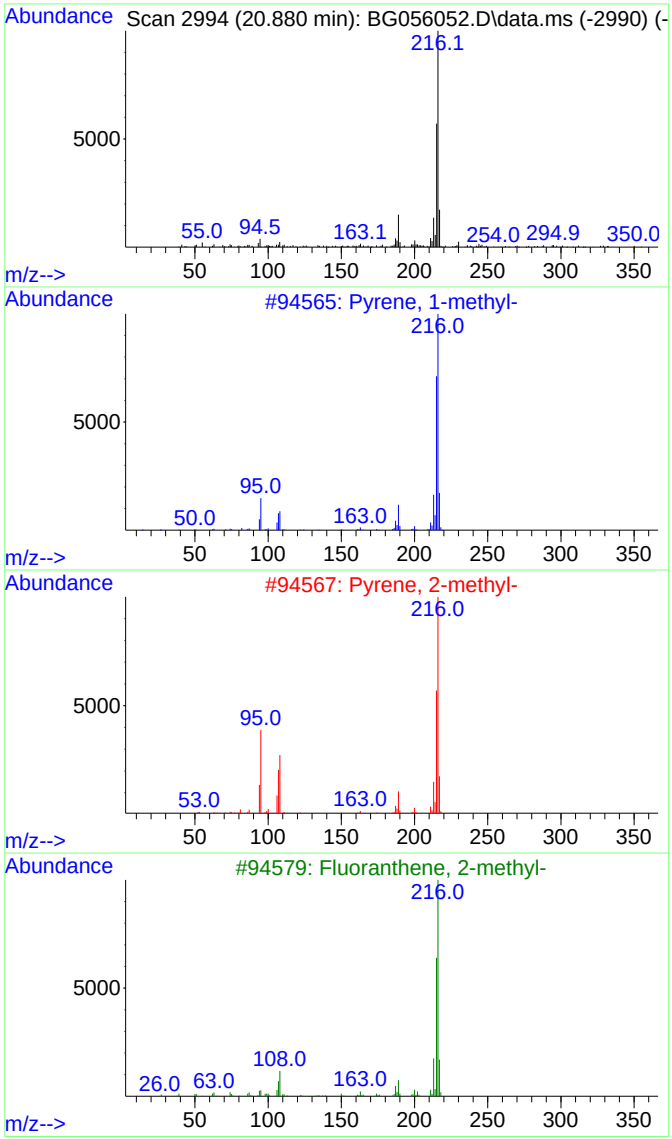
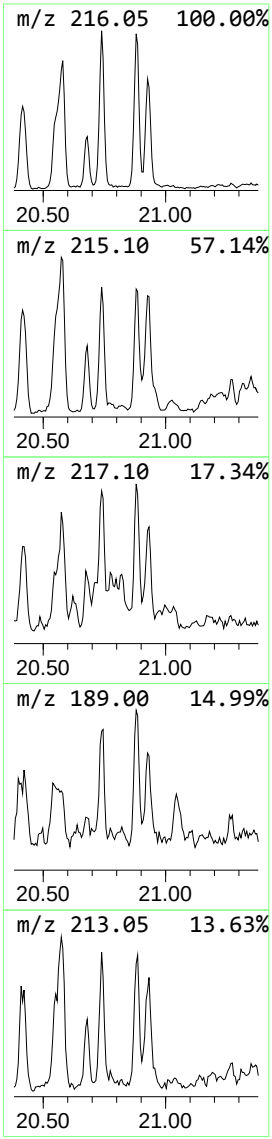
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.880	2.85 ng	125230	Chrysene-d12	22.014

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(0-2)

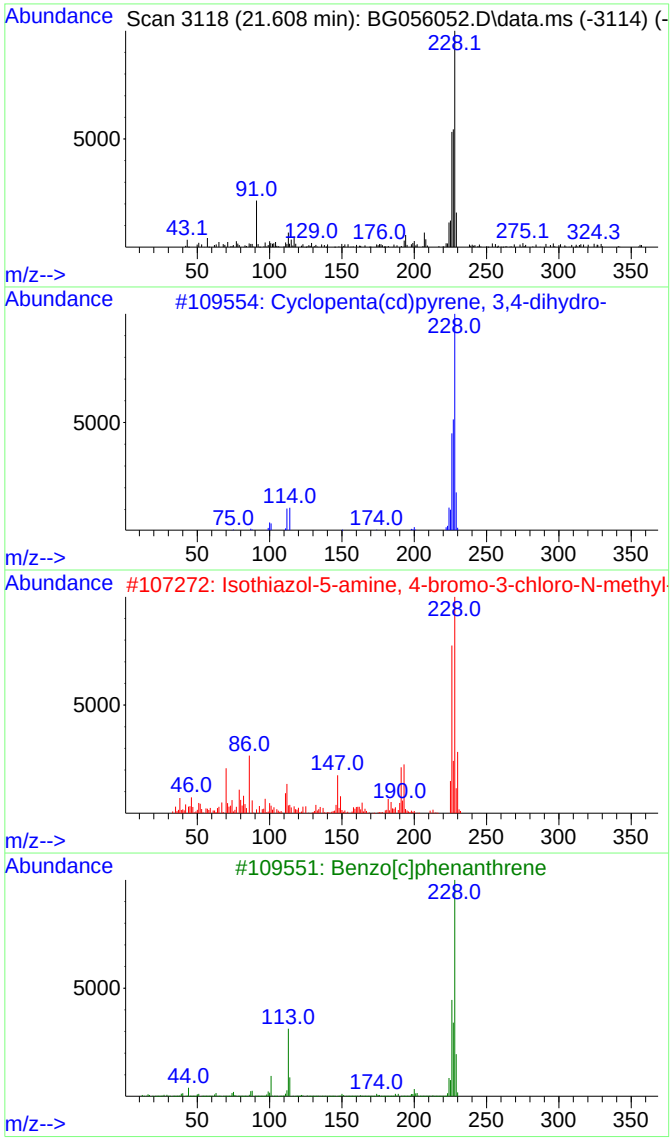
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

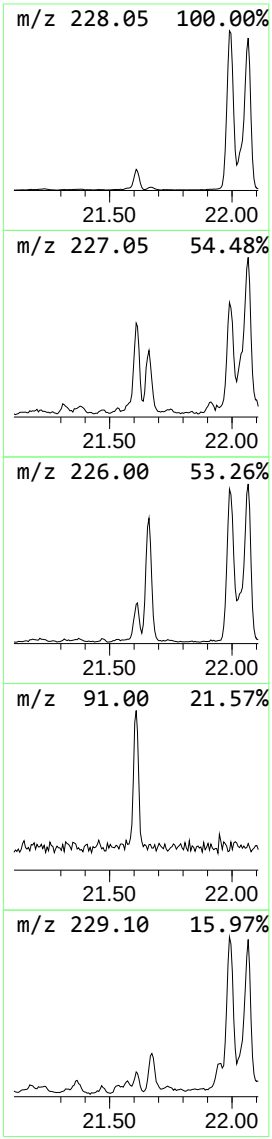
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.608	3.34 ng	147165	Chrysene-d12	22.014

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	58
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	53
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4	Triphenylene	228	C18H12	000217-59-4	43
5	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056052.D
Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(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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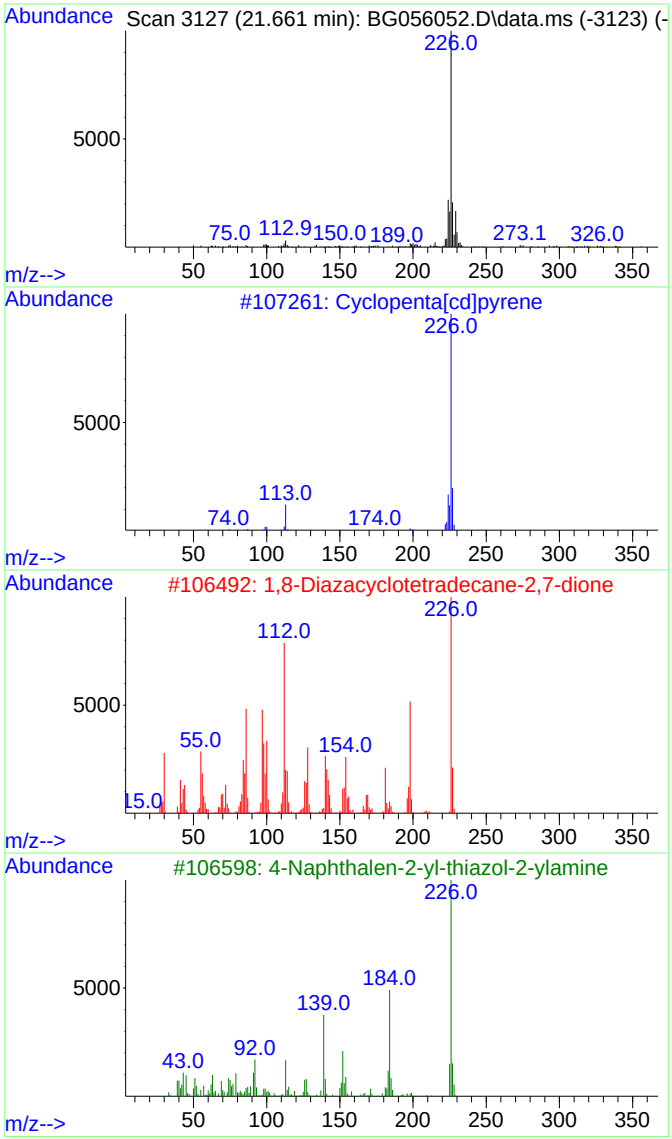
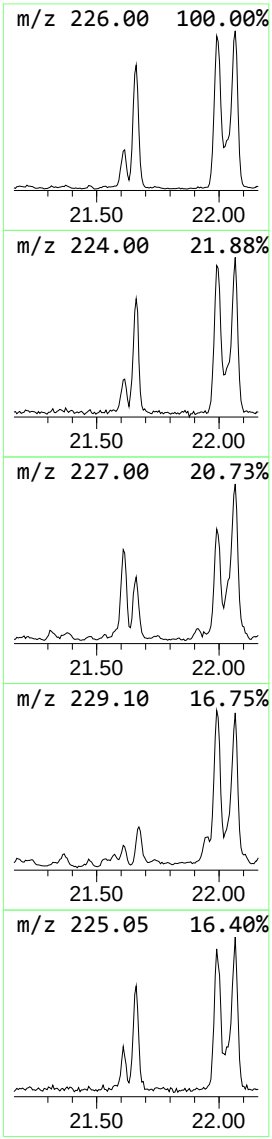
Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.661	2.70 ng	118788	Chrysene-d12	22.014

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	47
3	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	42
4	2,2,6-Trimethyl-2H,5H-pyrano[3,2...	241	C15H15NO2	050333-13-6	40
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056052.D
Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(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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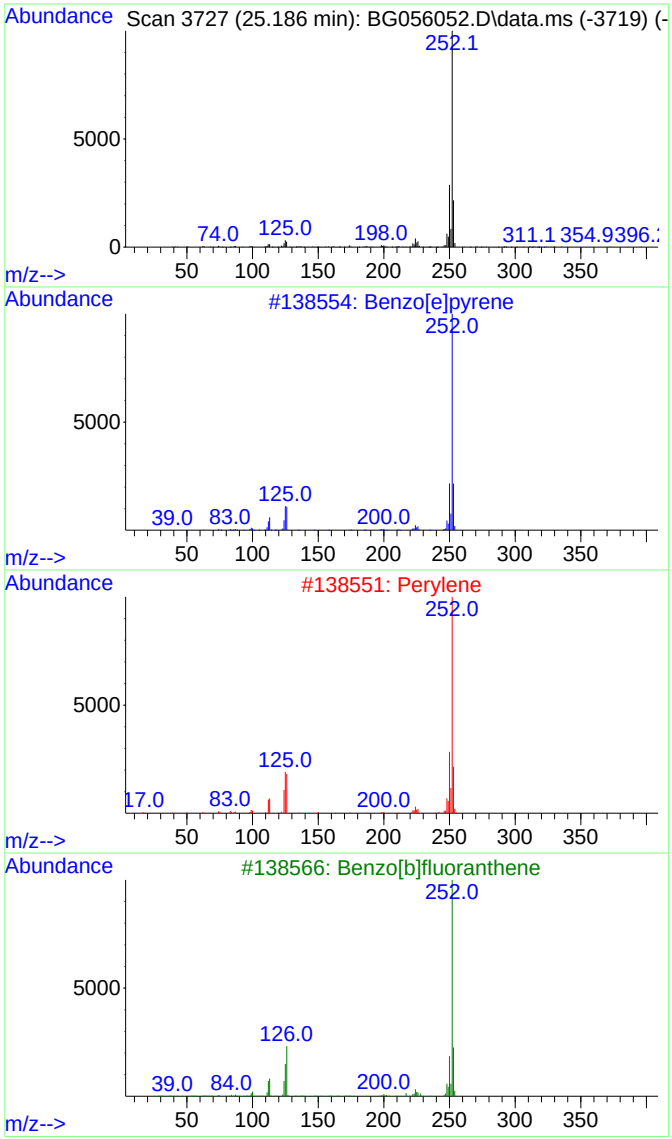
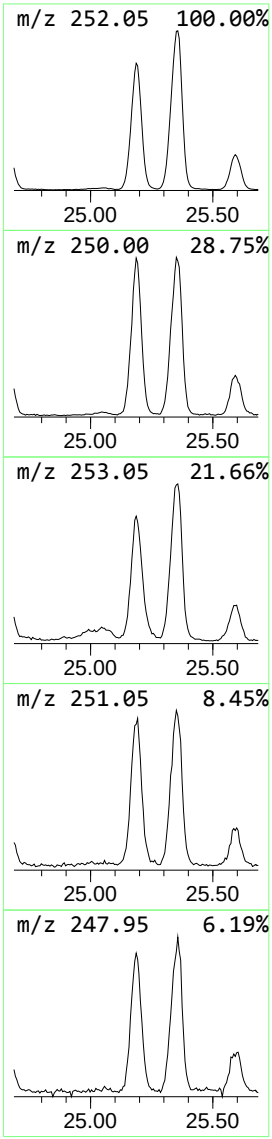
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.186	15.74 ng	660765	Perylene-d12	25.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Perylene	252	C20H12	000198-55-0	90
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056052.D
Acq On : 21 Dec 2022 17:23
Operator : CG/JU
Sample : N6151-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FS-01-(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...	3.388	10.2	ng	30772	1	8.359	60176	20.0
2-Pentanone, 4-...	5.404	29.6	ng	88977	1	8.359	60176	20.0
unknown15.357	15.357	2.9	ng	22152	3	14.969	152431	20.0
9H-Fluoren-9-one	17.354	3.3	ng	29573	4	17.707	181994	20.0
n-Hexadecanoic ...	18.559	21.3	ng	193421	4	17.707	181994	20.0
Phenanthrene, 1...	18.623	12.3	ng	111633	4	17.707	181994	20.0
Phenanthrene, 3...	18.700	3.6	ng	32757	4	17.707	181994	20.0
1H-Cyclopropa[l...	18.764	14.9	ng	135747	4	17.707	181994	20.0
Phenanthrene, 2...	18.800	5.3	ng	48243	4	17.707	181994	20.0
Naphthalene, 2-...	19.058	7.9	ng	72007	4	17.707	181994	20.0
9,10-Anthracene...	19.099	5.1	ng	46051	4	17.707	181994	20.0
Anthracene, 2-e...	19.299	5.2	ng	47115	4	17.707	181994	20.0
Phenanthrene, 2...	19.469	12.3	ng	112233	4	17.707	181994	20.0
Phenanthrene, 3...	19.528	3.1	ng	28539	4	17.707	181994	20.0
Cyclopenta(def)...	19.616	7.8	ng	71005	4	17.707	181994	20.0
Octadecanoic acid	19.804	10.4	ng	94742	4	17.707	181994	20.0
Pyrene, 1-methyl-	20.880	2.9	ng	125230	5	22.014	879977	20.0
Cyclopenta(cd)p...	21.608	3.3	ng	147165	5	22.014	879977	20.0
Cyclopenta[cd]p...	21.661	2.7	ng	118788	5	22.014	879977	20.0
Benzo[e]pyrene	25.186	15.7	ng	660765	6	25.515	839798	20.0