LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

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-BG111321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG051116.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.758	379	386	396	rBV	451676	757577	23.05%	1.695%
2	7.374	651	661	675	rBV	468341	863123	26.26%	1.932%
3	8.220	799	805	817	rVB	116441	202666	6.17%	0.454%
4	9.395	995	1005	1019	rBV	307566	558607	16.99%	1.250%
5	10.787	1236	1242	1259	rBV	155109	284288	8.65%	0.636%
6	11.046	1278	1286	1292	rBV	163683	300059	9.13%	0.672%
7	13.467	1689	1698	1705	rBV	755605	1176732	35.80%	2.633%
8	13.713	1731	1740	1749	rVB2	36476	70918	2.16%	0.159%
9	14.166	1811	1817	1822	rBV4	18324	33621	1.02%	0.075%
10	14.847	1928	1933	1939	rVV	269048	422919	12.87%	0.946%
11	14.912	1939	1944	1950	rVB	97444	157444	4.79%	0.352%
12	15.241	1993	2000	2008	rVB	67879	111742	3.40%	0.250%
13	15.646	2056	2069	2075	rBV9	12025	35034	1.07%	0.078%
14	15.893	2102	2111	2119	rBV2	109874	193178	5.88%	0.432%
15	16.181	2155	2160	2166	rVB	33966	59894	1.82%	0.134%
16	16.334	2180	2186	2194	rBV2	567058	911884	27.74%	2.041%
17	16.892	2277	2281	2286	rVB2	28210	47517	1.45%	0.106%
18	17.115	2310	2319	2323	rBV4	33884	68853	2.09%	0.154%
19	17.250	2335	2342	2347	rBV	76071	122927	3.74%	0.275%
20	17.309	2347	2352	2355	rBV2	33464	60741	1.85%	0.136%
21	17.415	2364	2370	2376	rVB	76685	123784	3.77%	0.277%
22	17.597	2394	2401	2404	rBV	311113	528668	16.08%	1.183%
23	17.638	2404	2408	2415	rVB	1258956	1916059	58.29%	4.288%
24	17.726	2415	2423	2431	rBV	231493	402463	12.24%	0.901%
25	17.997	2458	2469	2483	rBV3	145644	374507	11.39%	0.838%
26	18.102	2483	2487	2494	rVV2	31739	54832	1.67%	0.123%
27	18.173	2494	2499	2503	rVV3	35006	67430	2.05%	0.151%
28	18.220	2503	2507	2512	rVB3	35914	52803	1.61%	0.118%
29	18.314	2519	2523	2532	rVB2	19901	47504	1.45%	0.106%
30	18.467	2543	2549	2553	rVV	219730	343320	10.44%	0.768%
31	18.514	2553	2557	2563	rVB	314087	459087	13.97%	1.027%
32	18.596	2565	2571	2576	rVB	97252	145104	4.41%	0.325%
33	18.660	2576	2582	2586	rBV2	245096	523593	15.93%	1.172%
34	18.696	2586	2588	2593	rVV	149559	183591	5.59%	0.411%
35	18.766	2596	2600	2604	rVV3	26603	36426	1.11%	0.082%
36	18.807	2604	2607	2611	rVV3	30025	39386	1.20%	0.088%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

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-BG111321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.854	2611	2615	2619	rVV6	17928	35985	1.09%	0.081%
38	18.954	2627	2632	2637	rBV	177757	267084	8.12%	0.598%
39	19.007	2637	2641	2649	rVB	135331	208587	6.35%	0.467%
40	19.078	2649	2653	2658	rBV	27789	41375	1.26%	0.093%
41	19.195	2669	2673	2678	rVB2	70064	98157	2.99%	0.220%
42	19.248	2678	2682	2685	rBV	82384	97542	2.97%	0.218%
43	19.289	2685	2689	2695	rVB	73928	102567	3.12%	0.230%
44	19.371	2696	2703	2708	rBV2	235104	481955	14.66%	1.079%
45	19.518	2722	2728	2735	rVB3	148264	301694	9.18%	0.675%
46	19.642	2741	2749	2754	rBV	2108196	3287201	100.00%	7.357%
47	19.689	2754	2757	2760	rVV	75536	96006	2.92%	0.215%
48	19.730	2760	2764	2769	rVB3	79680	122888	3.74%	0.275%
49	19.830	2778	2781	2784	rBV3	30740	41035	1.25%	0.092%
50	19.883	2785	2790	2799	rVB3	74628	199390	6.07%	0.446%
51	19.965	2799	2804	2807	rBV2	434757	754382	22.95%	1.688%
52	20.006	2807	2811	2816	rVV	1848795	2651964	80.68%	5.935%
53	20.065	2816	2821	2827	rVB	210640	324763	9.88%	0.727%
54	20.182	2835	2841	2846	rBV2	1163632	1623464	49.39%	3.633%
55	20.241	2846	2851	2857	rVB	108692	204633	6.23%	0.458%
56	20.317	2857	2864	2871	rBV3	270361	713337	21.70%	1.596%
57	20.382	2871	2875	2880	rBV3	47633	88902	2.70%	0.199%
58	20.488	2881	2893	2898	rVV2	340054	987985	30.06%	2.211%
59	20.588	2905	2910	2913	rBV	141851	229205	6.97%	0.513%
60	20.646	2913	2920	2923	rVV2	332921	696651	21.19%	1.559%
61	20.682	2923	2926	2929	rVV3	92516	119601	3.64%	0.268%
62	20.717	2929	2932	2937	rVB	89573	123591	3.76%	0.277%
63	20.787	2939	2944	2947	rBV	232520	352861	10.73%	0.790%
64	20.834	2948	2952	2963	rVB	240080	433292	13.18%	0.970%
65	20.917	2963	2966	2970	rBV4	62291	108747	3.31%	0.243%
66	21.046	2983	2988	2990	rBV4	57792	100837	3.07%	0.226%
67	21.269	3020	3026	3032	rBV	394098	612664	18.64%	1.371%
68	21.457	3050	3058	3061	rBV2	232895	544693	16.57%	1.219%
69	21.498	3062	3065	3070	rVV	264768	461857	14.05%	1.034%
70	21.557	3070	3075	3080	rVV2	213886	433384	13.18%	0.970%
71	21.622	3081	3086	3097	rVB	272939	530604	16.14%	1.187%
72	21.880	3123	3130	3137	rBV3	1223683	2798263	85.13%	6.262%
73	21.951	3137	3142	3155	rVB	1067974	2115228	64.35%	4.734%
74	22.109	3165	3169	3176	rVB2	88088	151013	4.59%	0.338%
75	22.186	3179	3182	3185	rBV3	46959	77944	2.37%	0.174%
76	22.327	3200	3206	3212	rBV4	140617	311841	9.49%	0.698%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

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-BG111321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	22.391	3214	3217	3222	rVB5	55621	83688	2.55%	0.187%
78	22.579	3245	3249	3253	rVB3	56535	89921	2.74%	0.201%
79	22.662	3257	3263	3269	rVV	275106	594644	18.09%	1.331%
80	22.738	3271	3276	3283	rVB	155204	306979	9.34%	0.687%
81	22.950	3308	3312	3318	rBV2	92692	200565	6.10%	0.449%
82	23.096	3333	3337	3343	rVB2	73819	143878	4.38%	0.322%
83	23.378	3381	3385	3395	rBV6	49244	129300	3.93%	0.289%
84	23.825	3453	3461	3473	rBV6	87610	310192	9.44%	0.694%
85	24.236	3520	3531	3538	rBV	677232	2445237	74.39%	5.472%
86	24.495	3568	3575	3583	rBV	119388	303036	9.22%	0.678%
87	25.000	3653	3661	3675	rVB	377435	1197572	36.43%	2.680%
88	25.159	3678	3688	3698	rVB	528140	1563124	47.55%	3.498%
89	25.312	3707	3714	3721	rBV3	126797	375980	11.44%	0.841%
90	25.400	3723	3729	3743	rVB4	147097	530330	16.13%	1.187%
91	29.254	4375	4385	4408	rVB4	209677	1122661	34.15%	2.512%
92	30.482	4586	4594	4613	rVB2	136373	615413	18.72%	1.377%

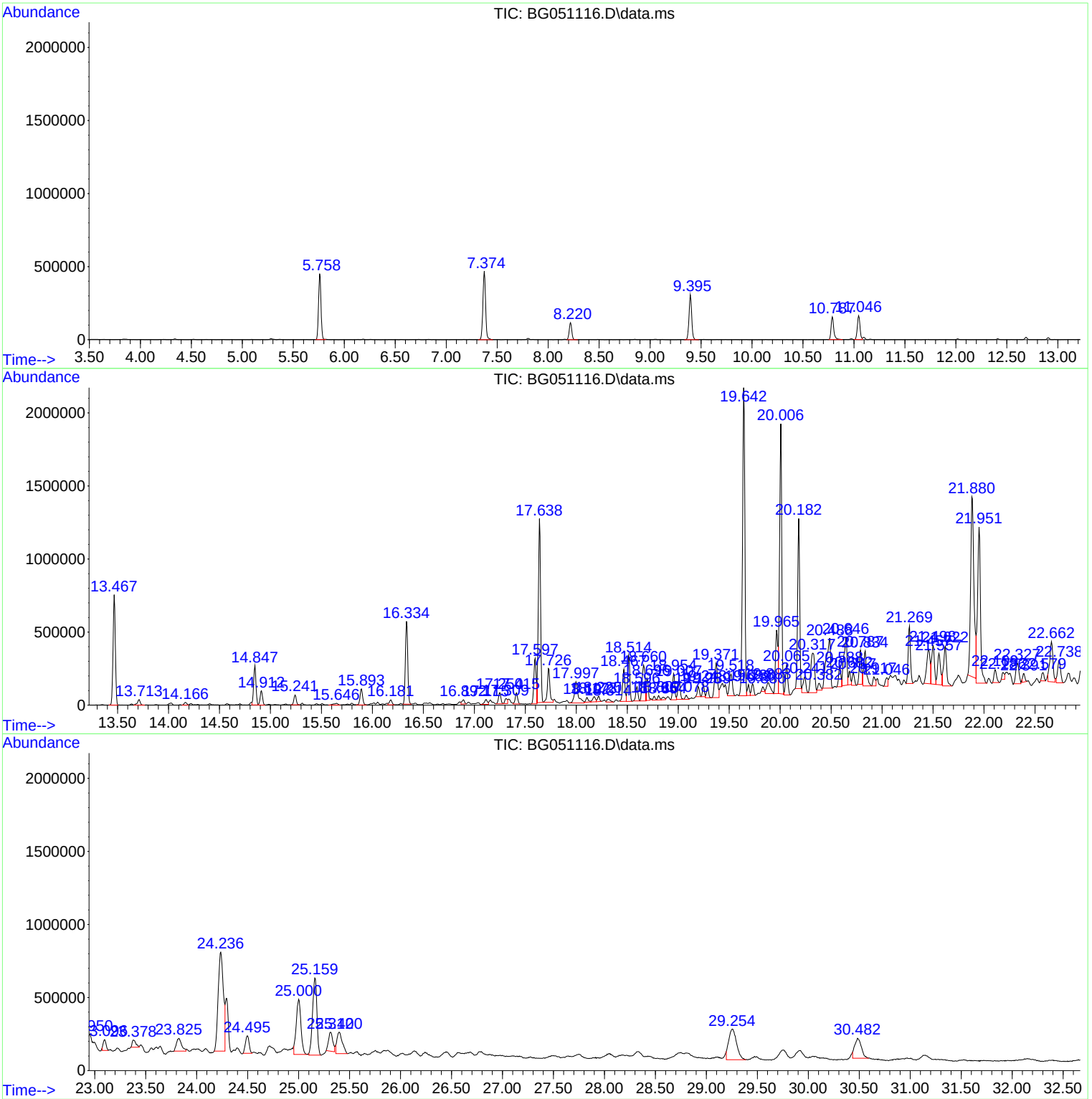
Sum of corrected areas: 44683973

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.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\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

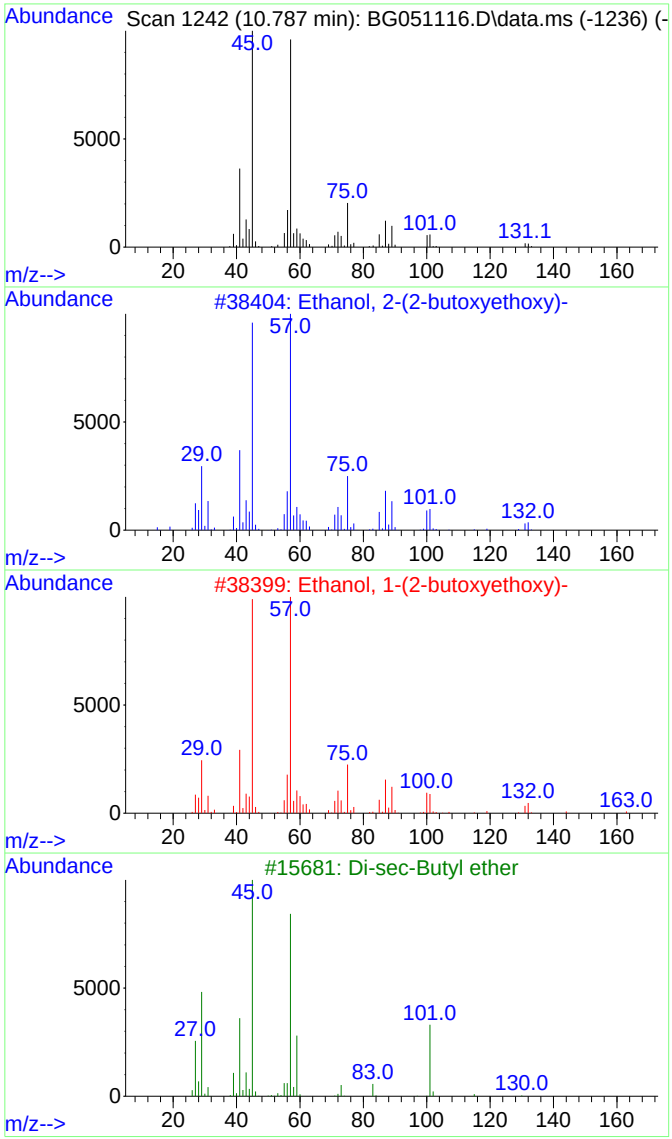
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

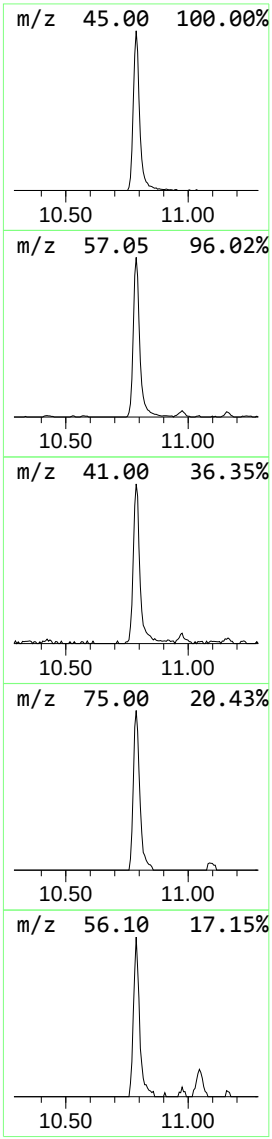
****

Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.787	18.95 ng	284288	Naphthalene-d8	11.046

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	90
3	Di-sec-Butyl ether	130	C8H18O	006863-58-7	50
4	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	50
5	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

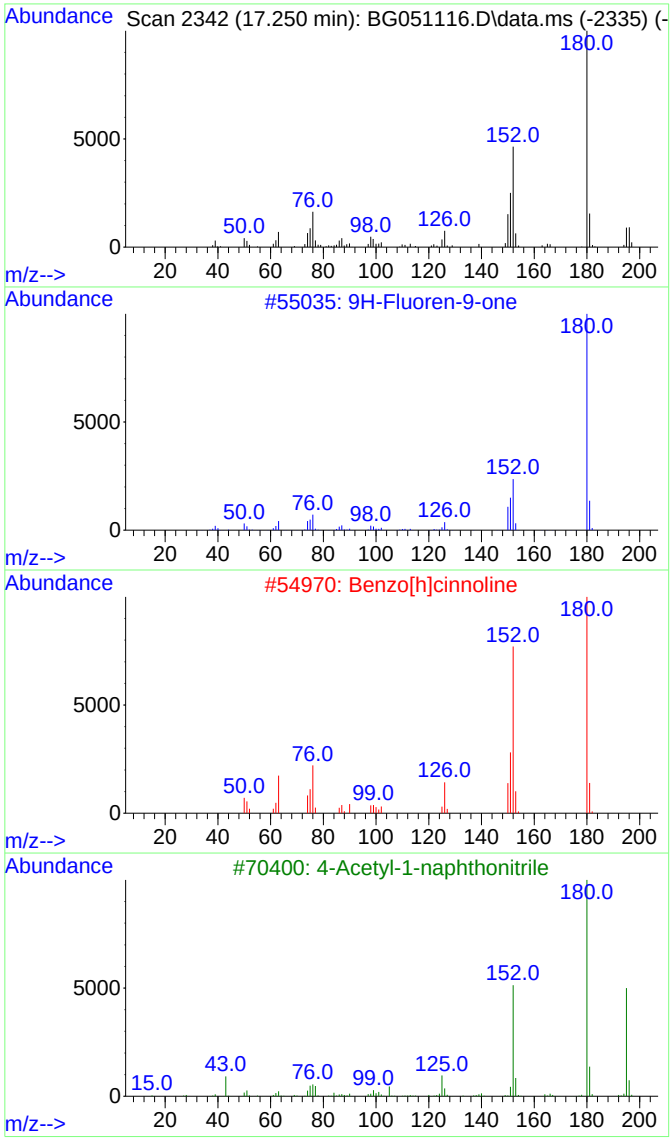
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

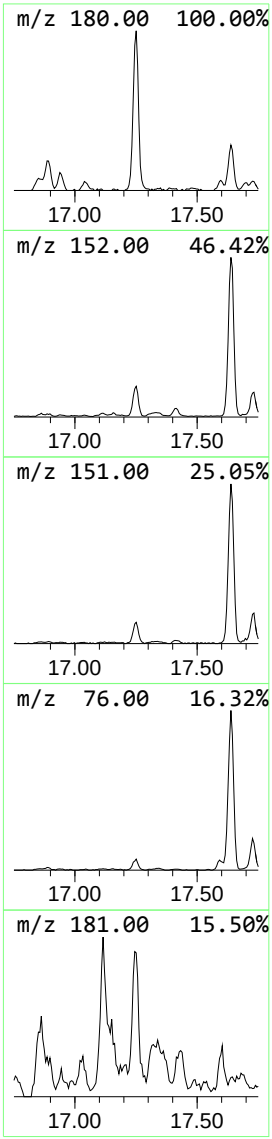
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.250	4.65 ng	122927	Phenanthrene-d10	17.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
3	4-Acetyl-1-naphthonitrile	195	C13H9NO	029139-00-2	59
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
5	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.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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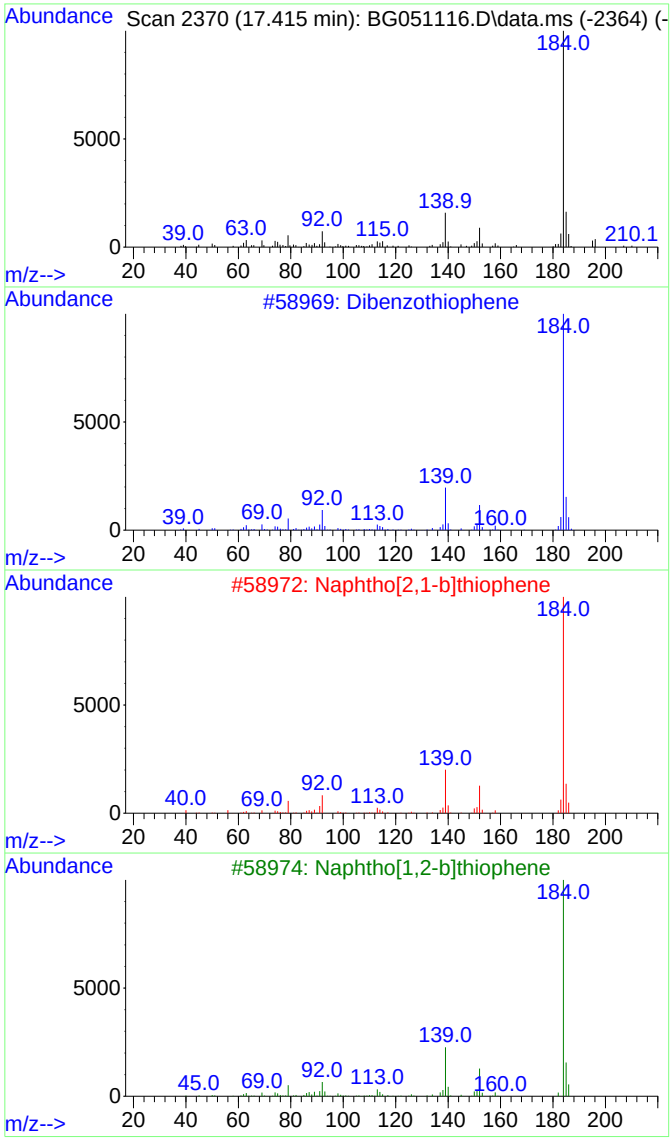
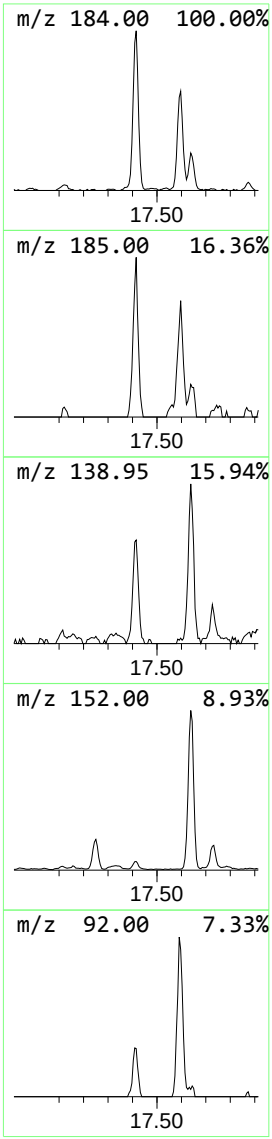
Peak Number 3 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.415	4.68 ng	123784	Phenanthrene-d10	17.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

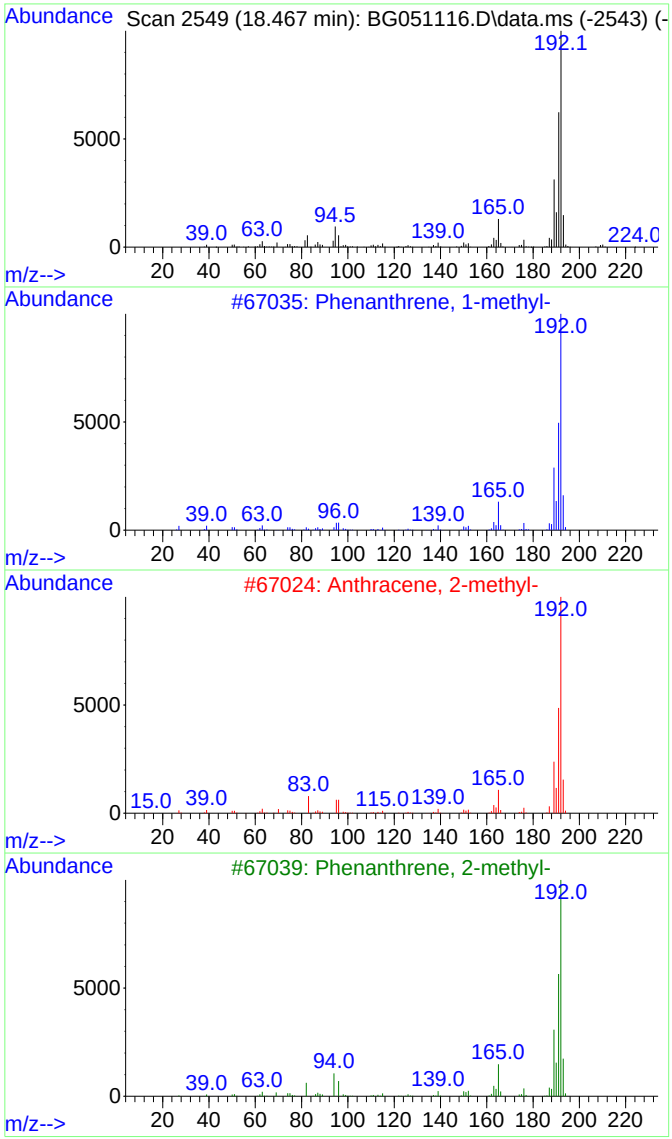
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

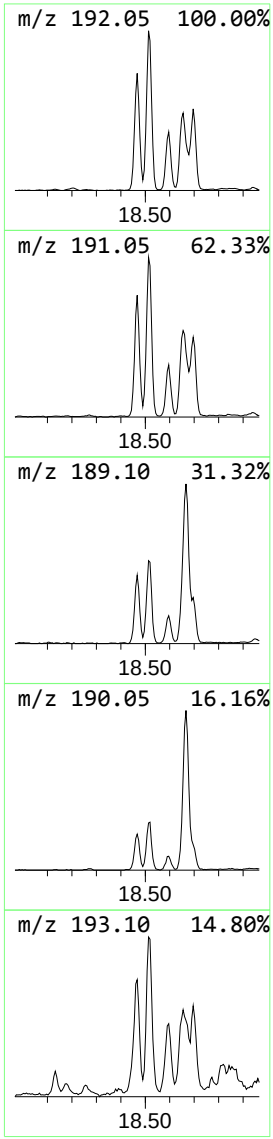
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.467	12.99 ng	343320	Phenanthrene-d10	17.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

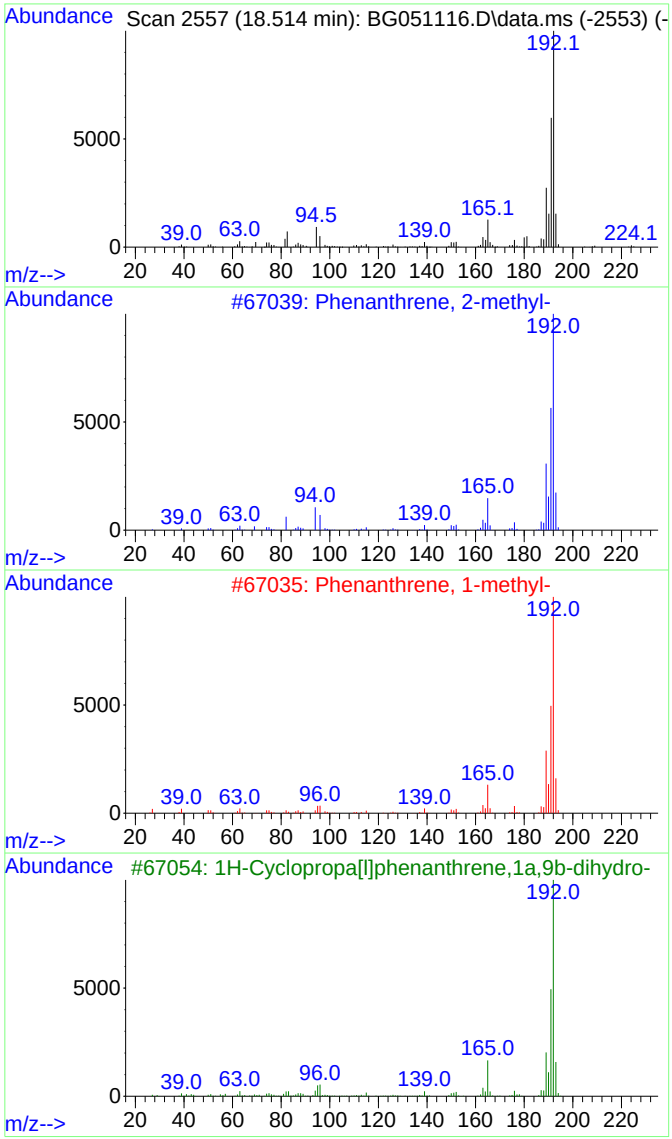
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

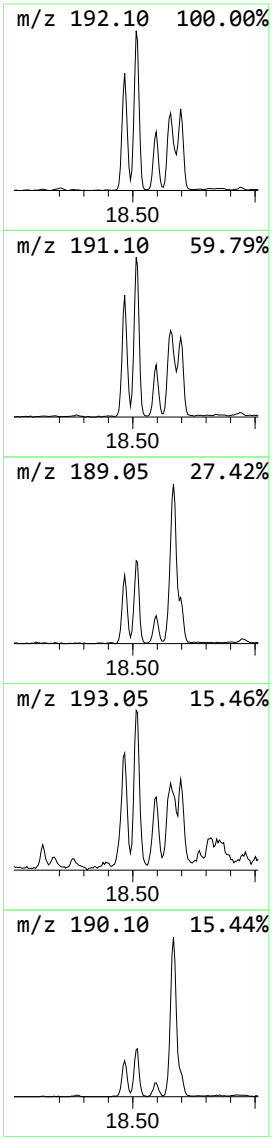
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.514	17.37 ng	459087	Phenanthrene-d10	17.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

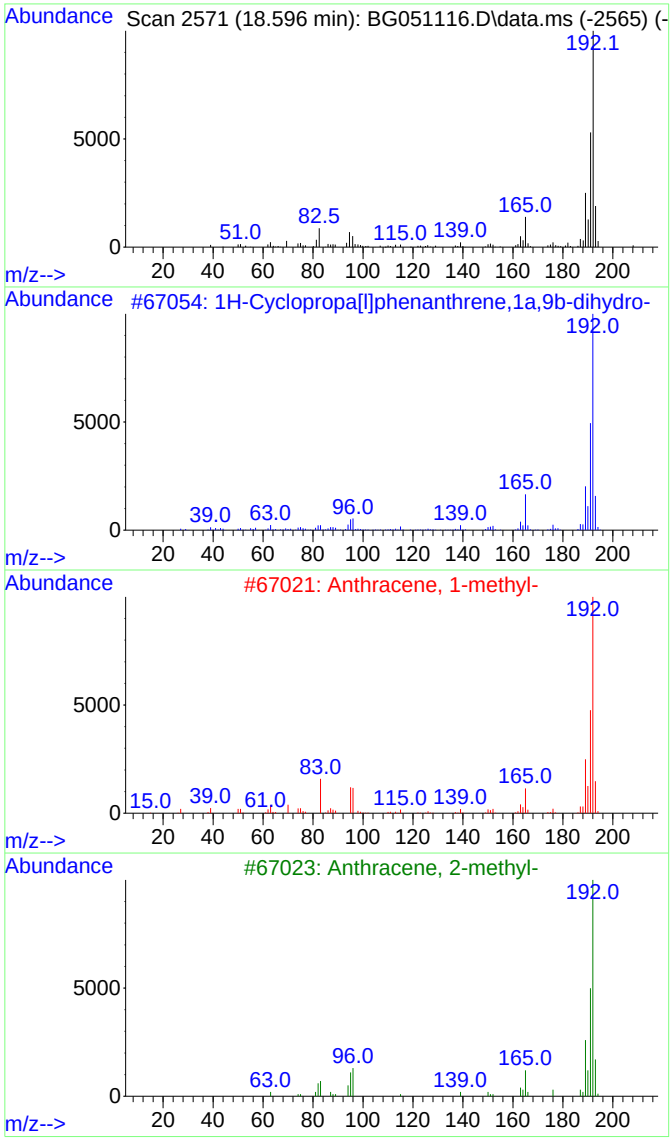
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

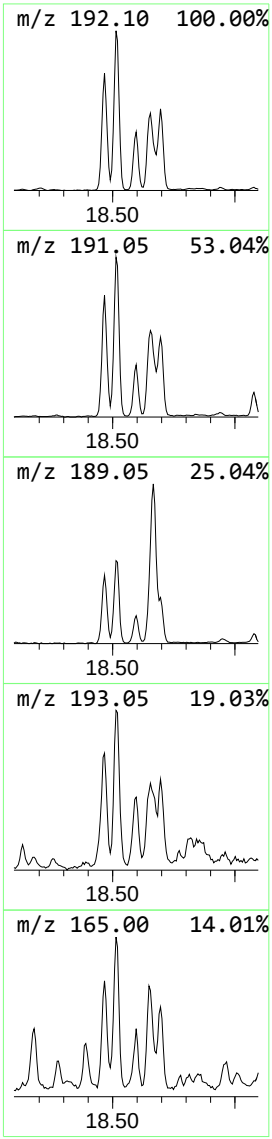
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.596	5.49 ng	145104	Phenanthrene-d10	17.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

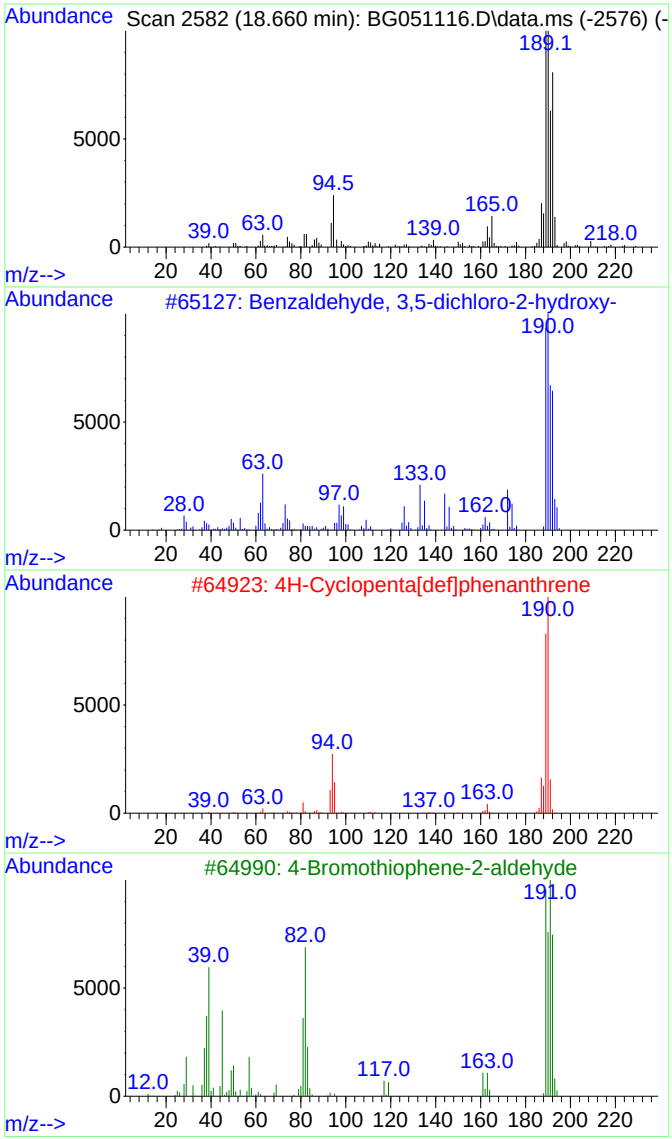
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

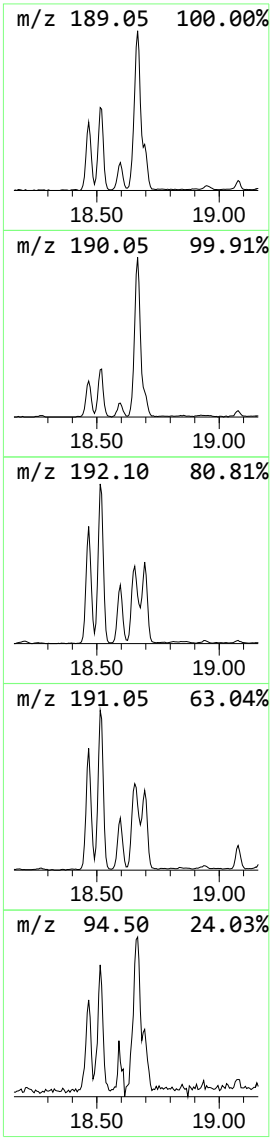
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.660	19.81 ng	523593	Phenanthrene-d10	17.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	58
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





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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

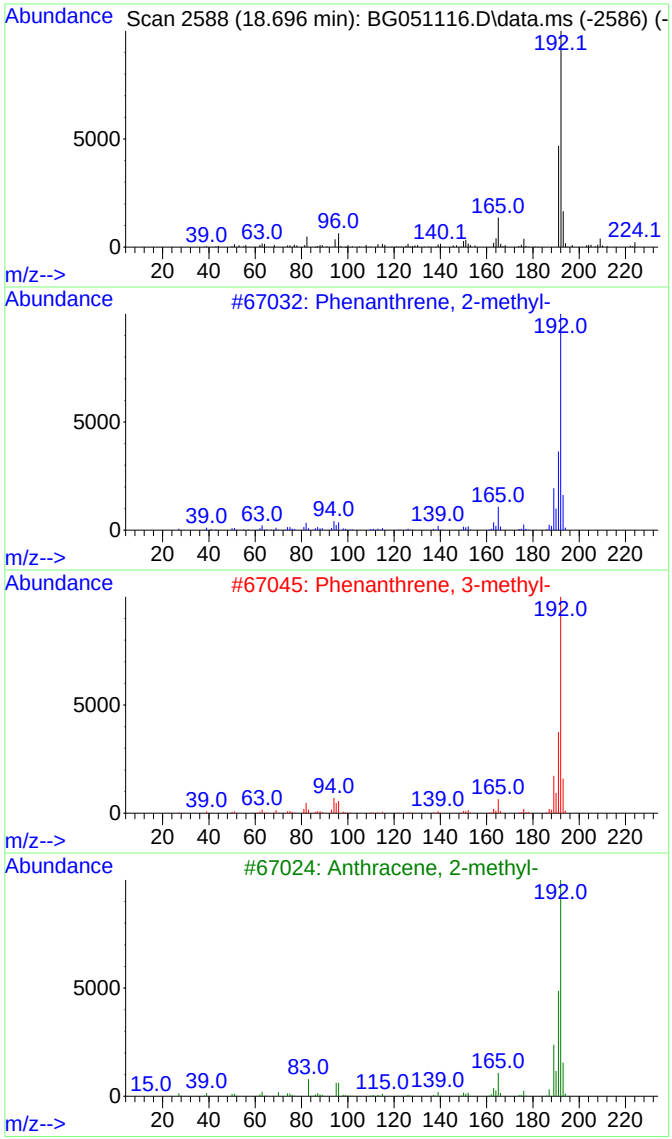
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

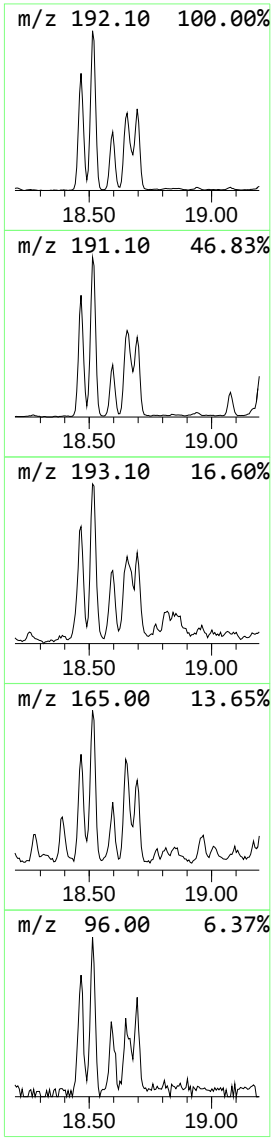
****

Peak Number 8 Phenanthrene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.696	6.95 ng	183591	Phenanthrene-d10	17.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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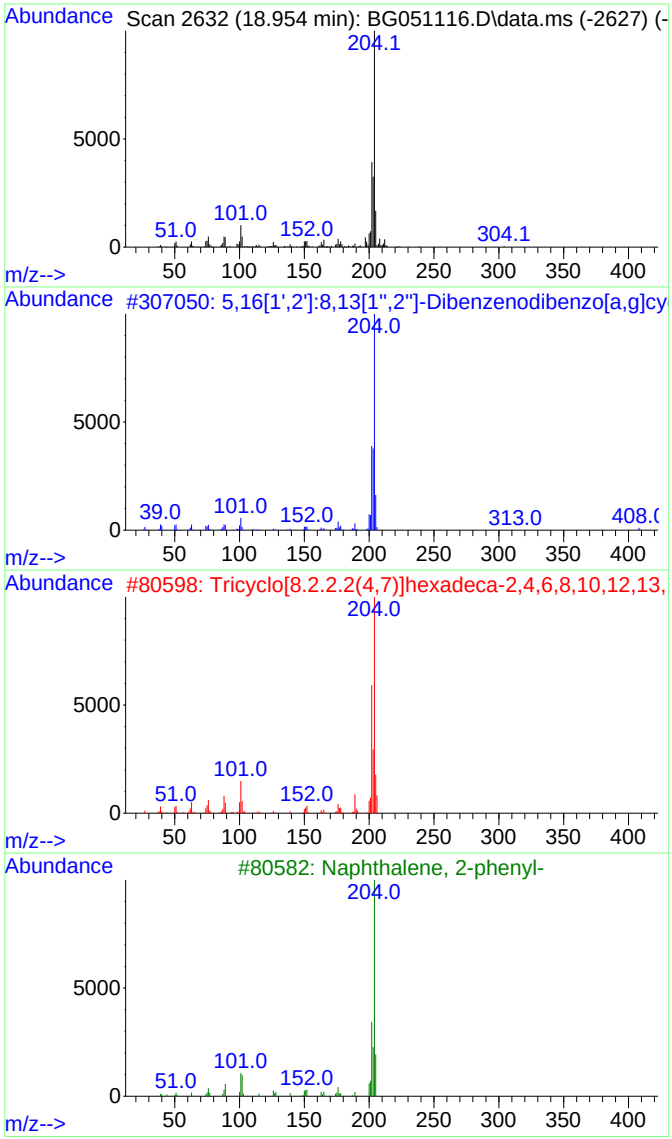
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

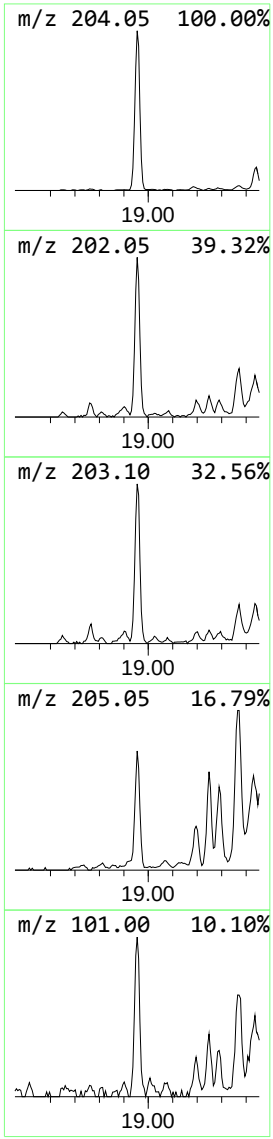
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.954	10.10 ng	267084	Phenanthrene-d10	17.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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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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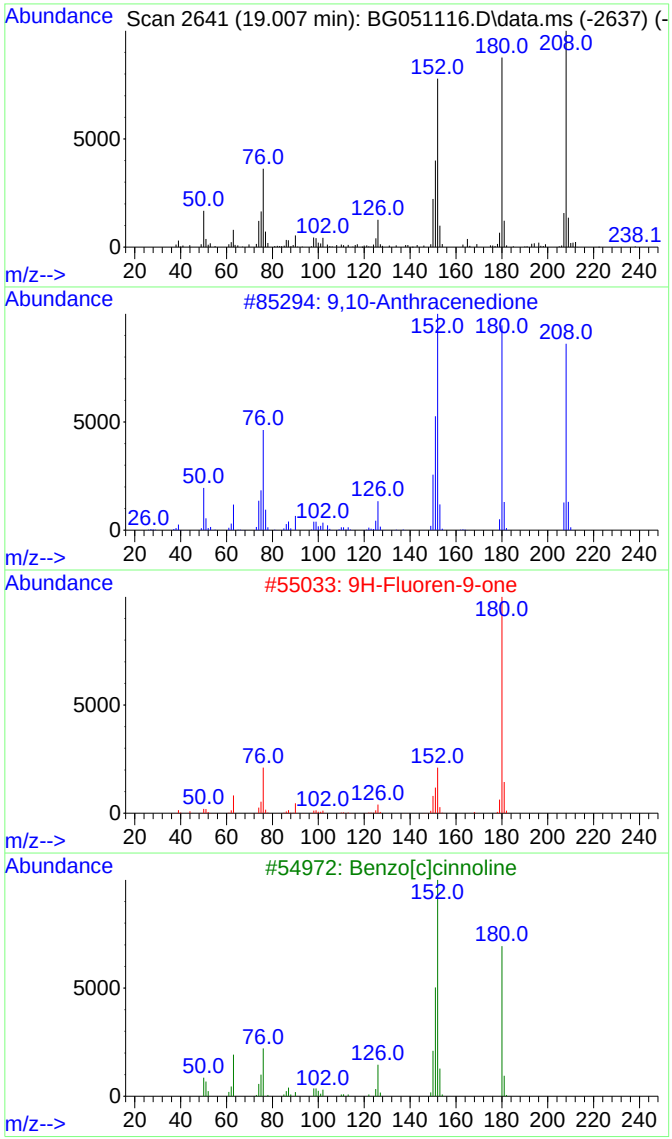
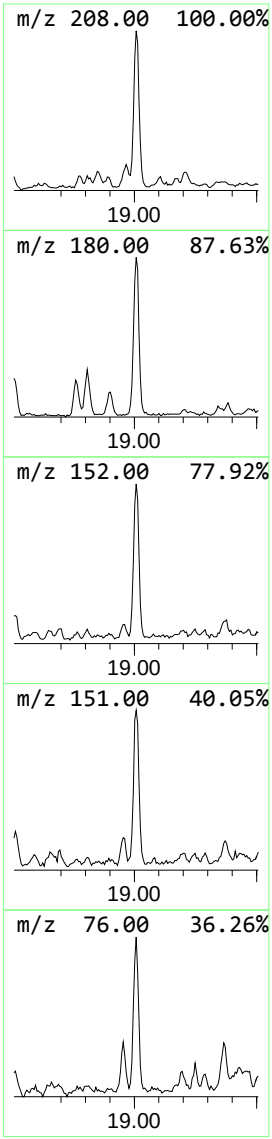
Peak Number 10 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.007	7.89 ng	208587	Phenanthrene-d10	17.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





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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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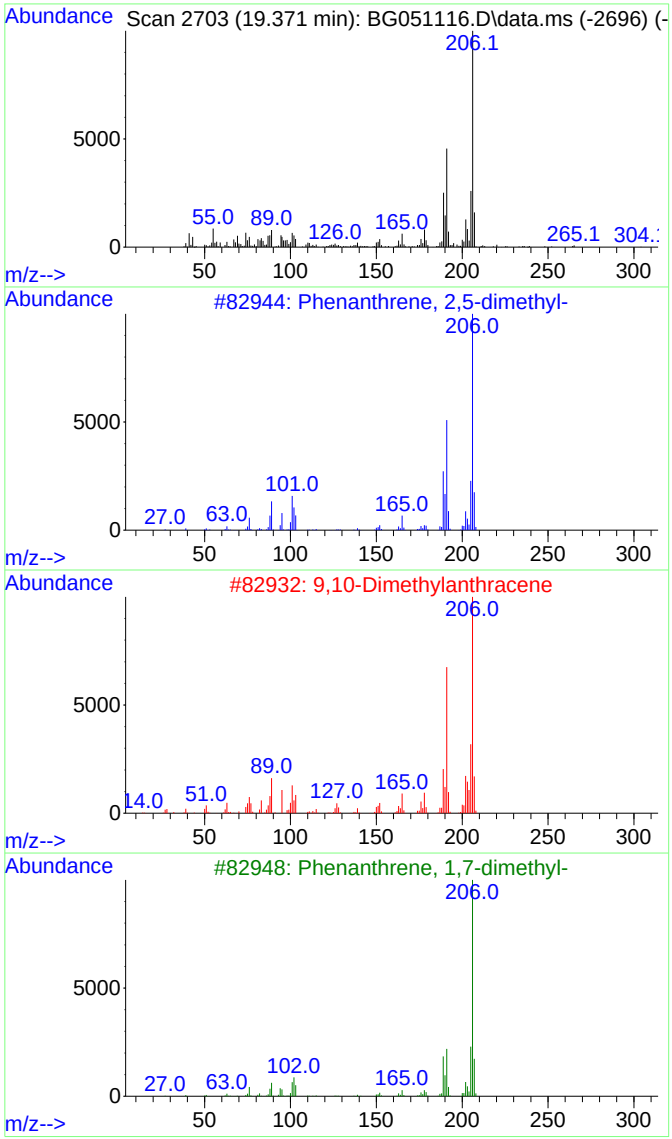
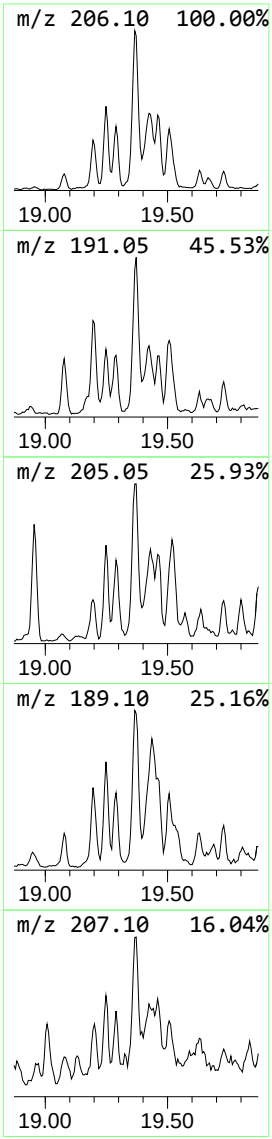
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.371	18.23 ng	481955	Phenanthrene-d10	17.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83





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Sample : M4707-29
Misc :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

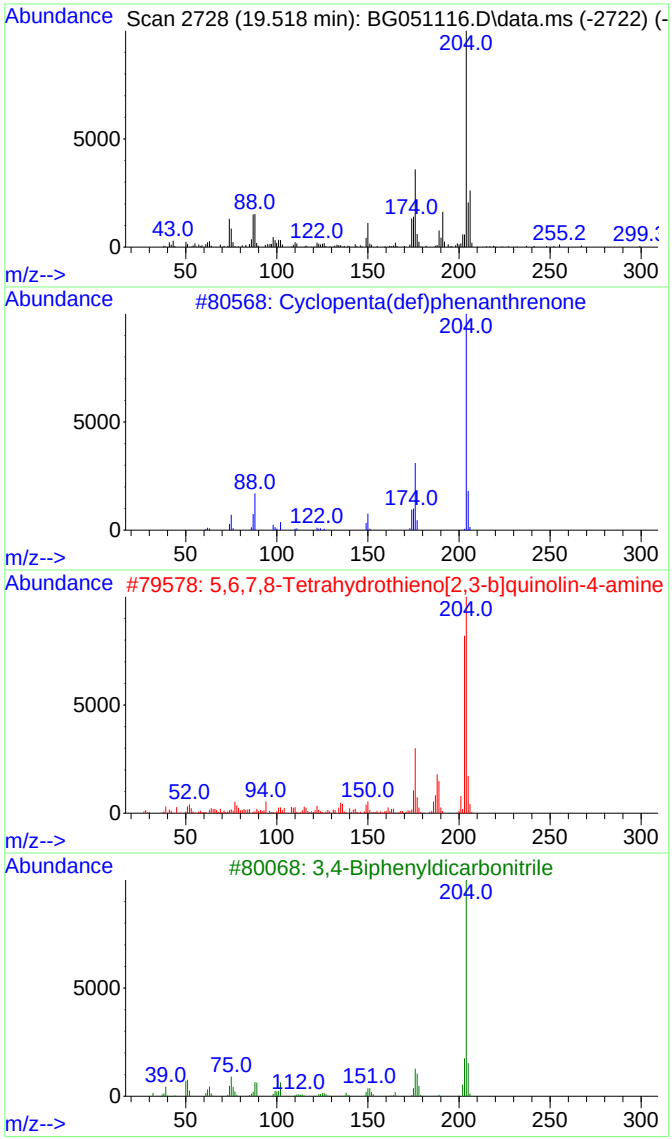
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

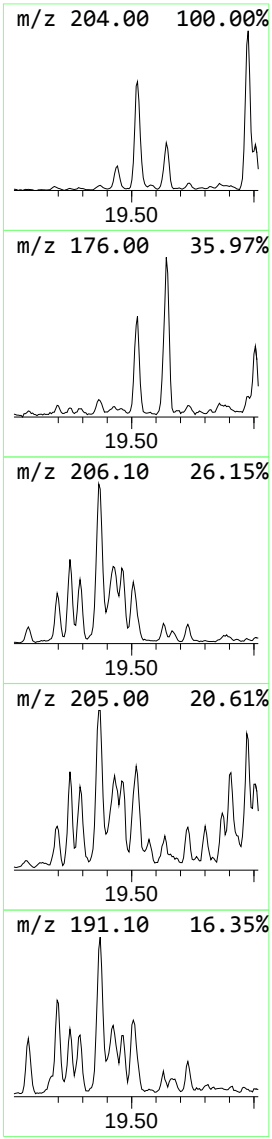
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.518	11.41 ng	301694	Phenanthrene-d10	17.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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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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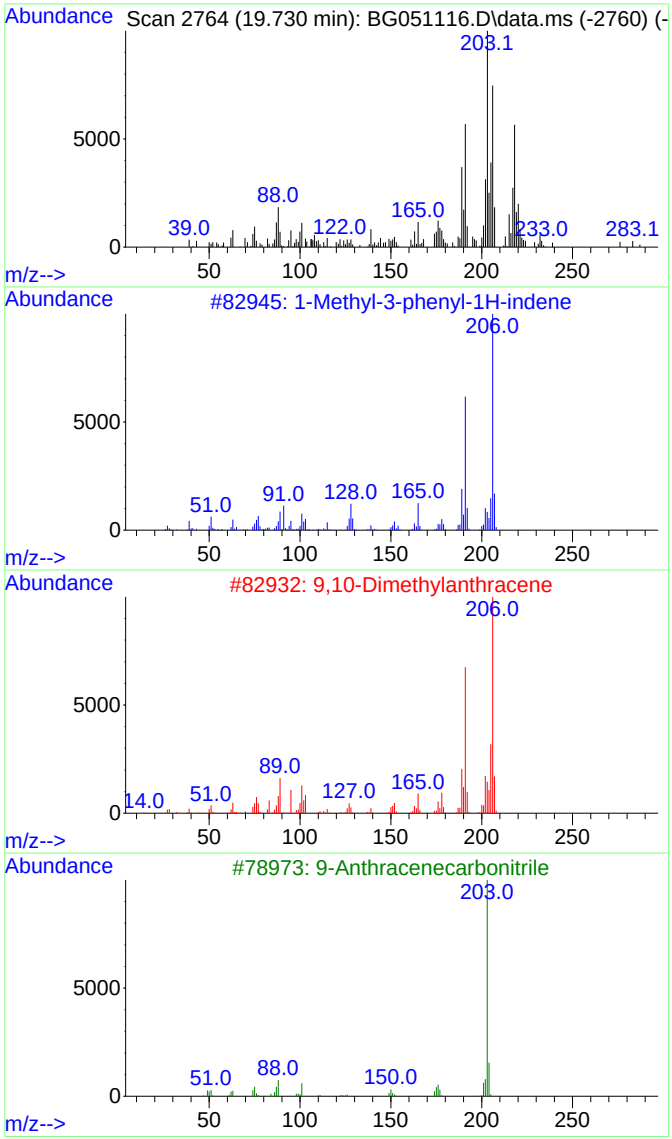
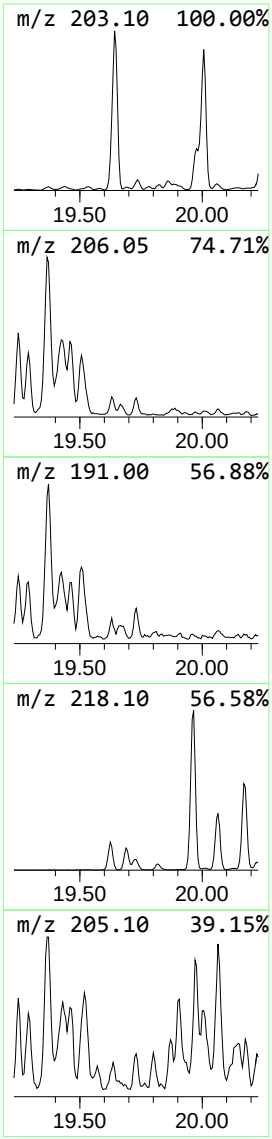
Peak Number 13 unknown19.730 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.730	4.65 ng	122888	Phenanthrene-d10	17.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	42
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
3	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	40
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	38
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	38





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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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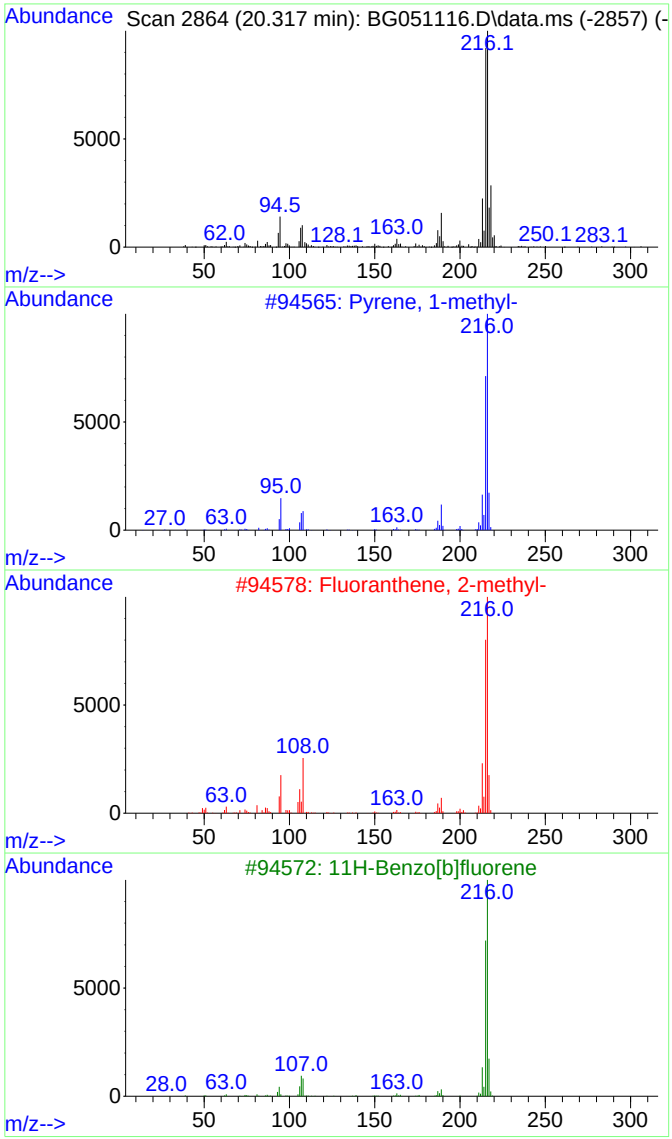
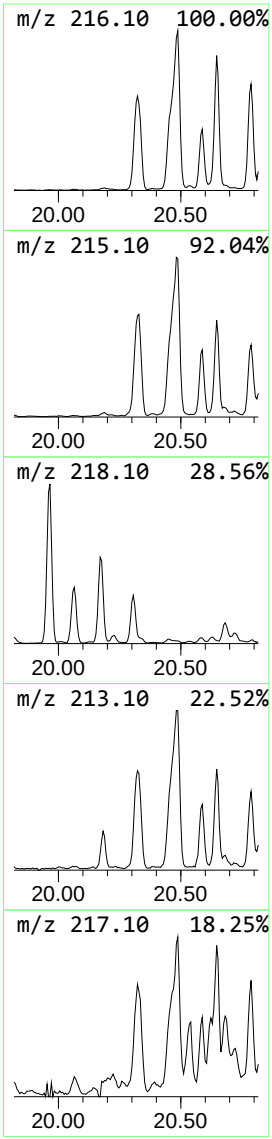
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.317	5.10 ng	713337	Chrysene-d12	21.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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

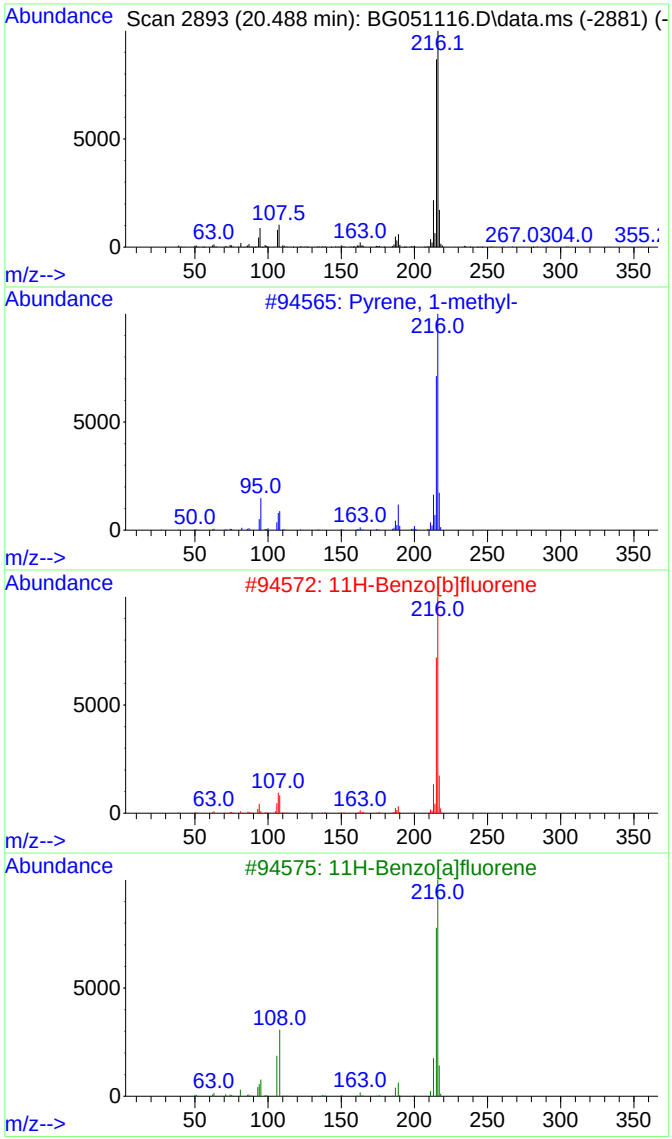
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

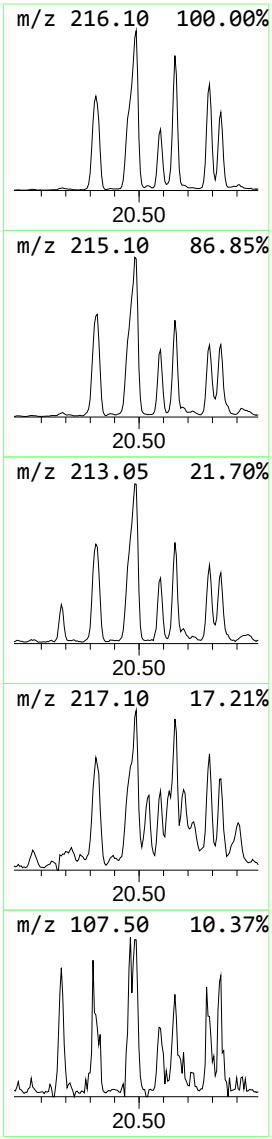
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.488	7.06 ng	987985	Chrysene-d12	21.904

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	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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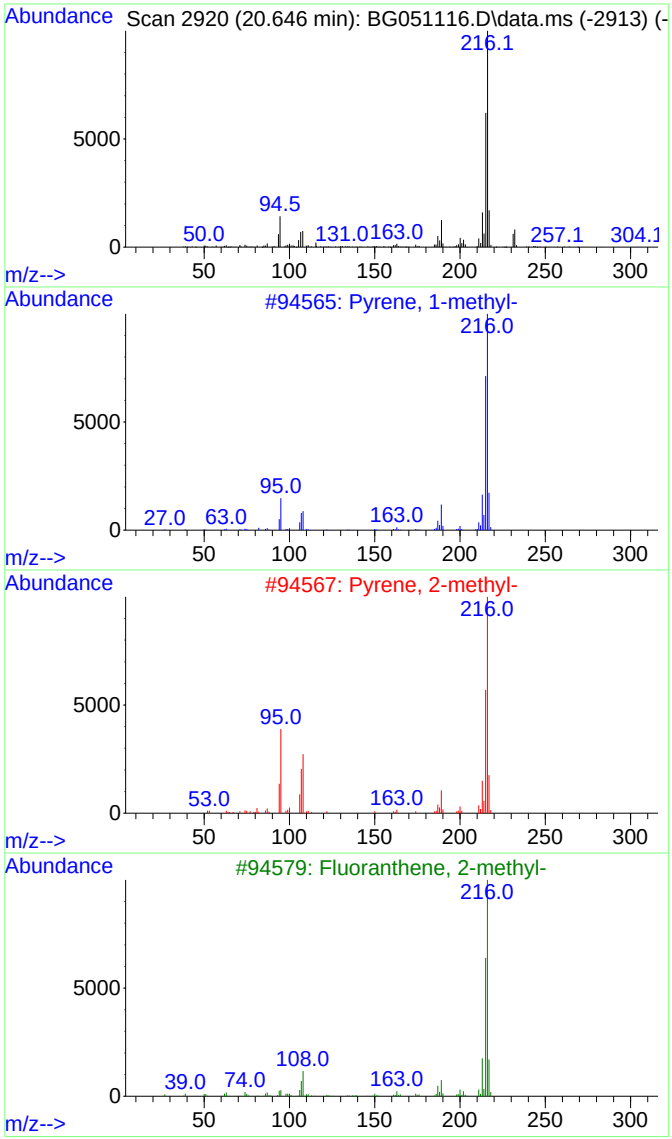
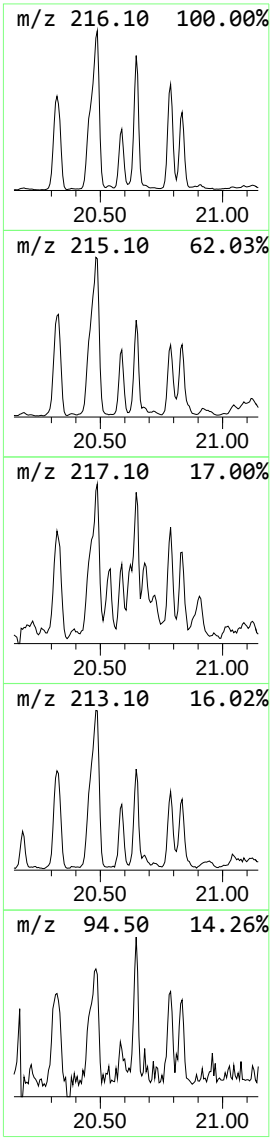
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.646	4.98 ng	696651	Chrysene-d12	21.904

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	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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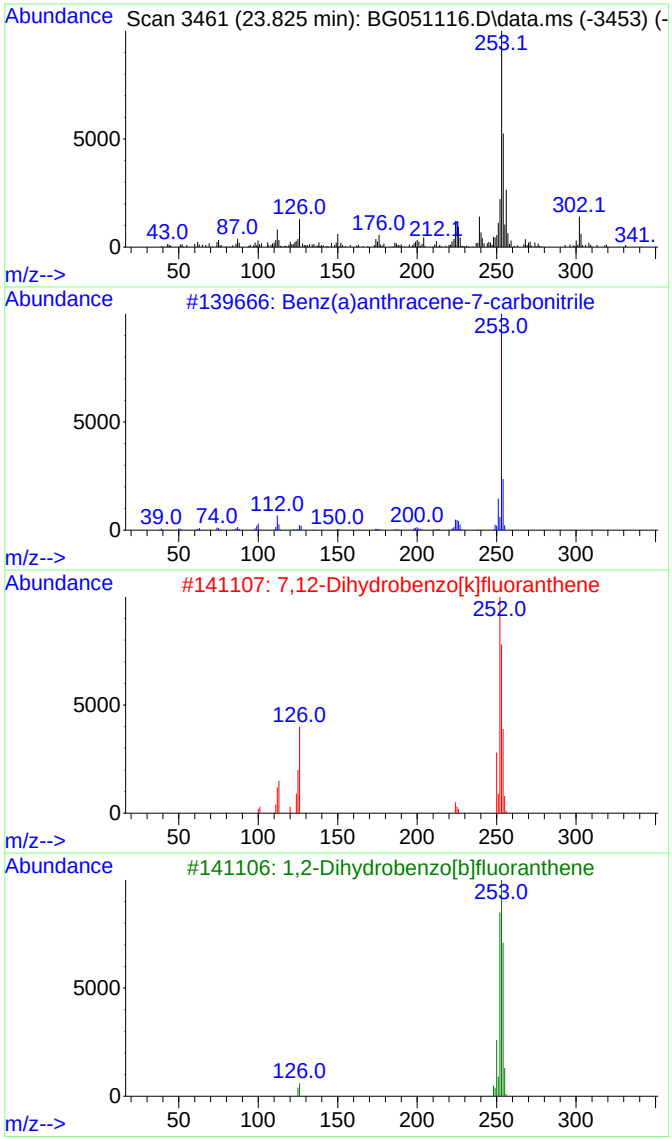
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

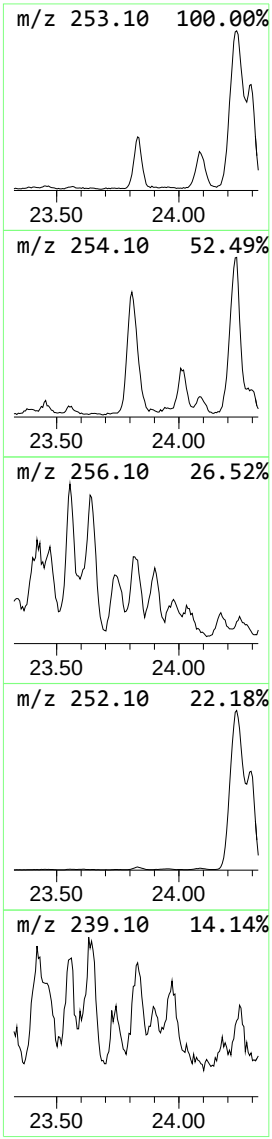
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benz(a)anthracene-7-carboni... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.825	16.50 ng	310192	Perylene-d12	25.311

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	53
3	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	52
4	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	52
5	Ergoline-8-methanol, 8,9-didehyd...	254	C16H18N2O	000548-43-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.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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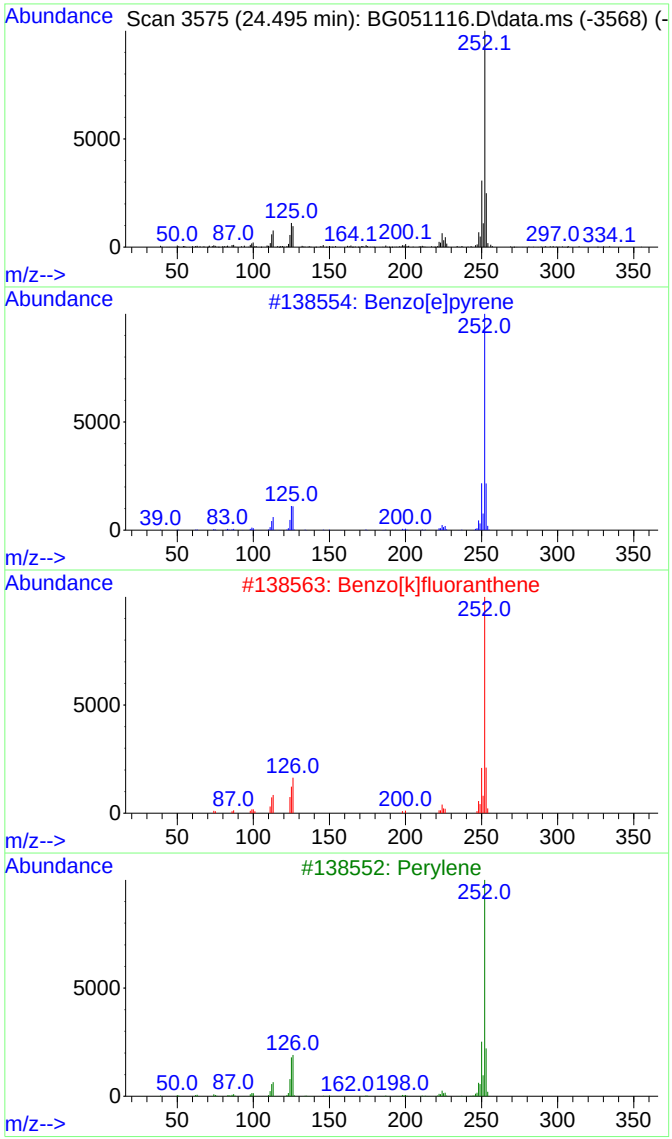
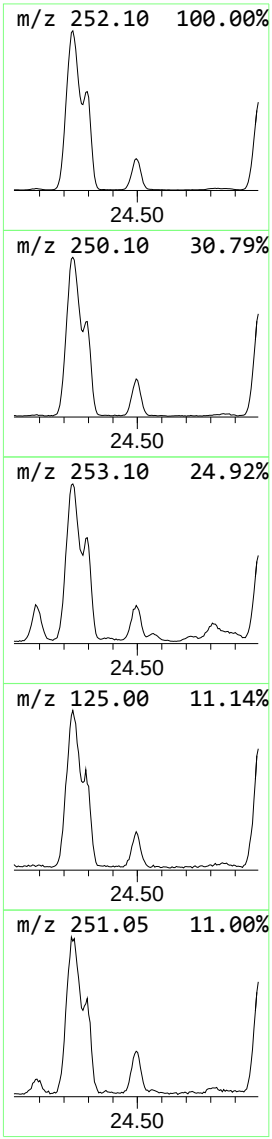
Peak Number 18 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.495	16.12 ng	303036	Perylene-d12	25.311

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.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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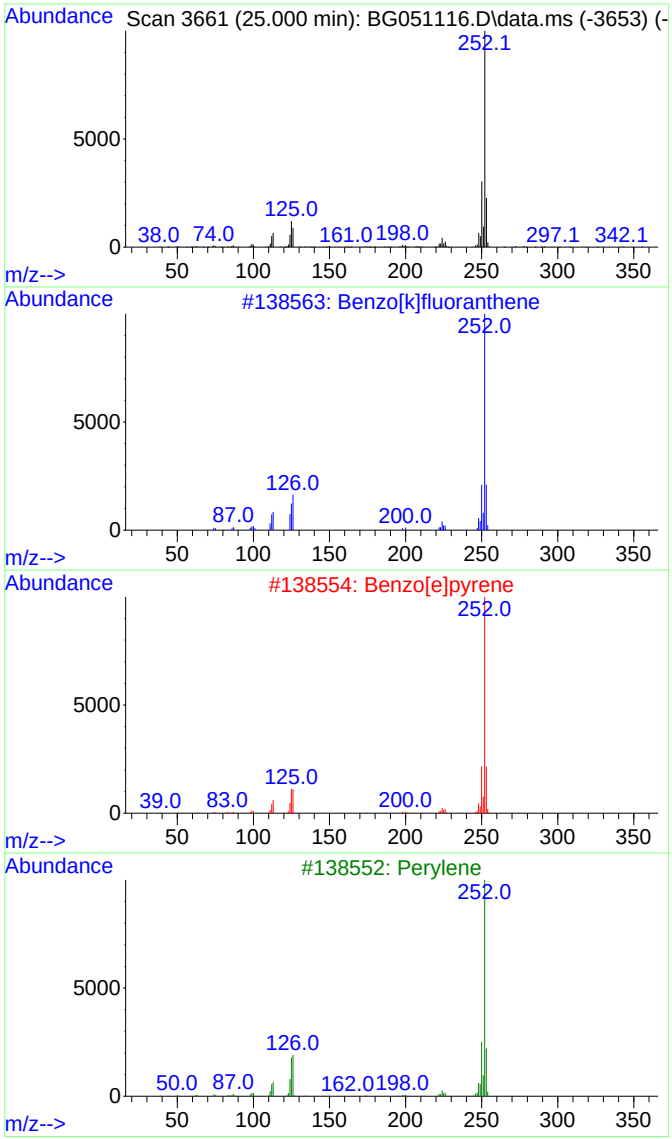
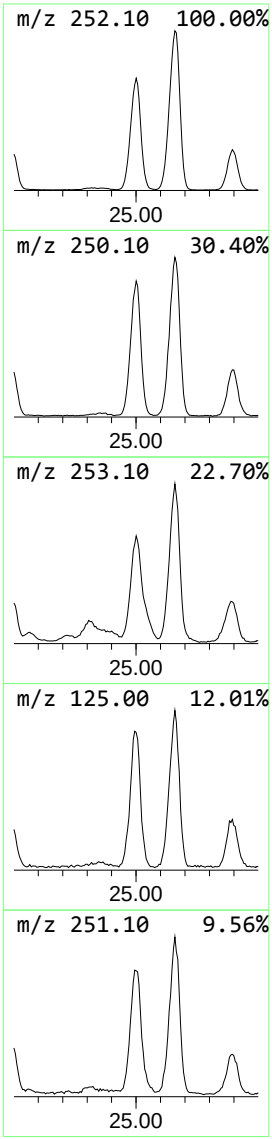
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.000	63.70 ng	1197570	Perylene-d12	25.311

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.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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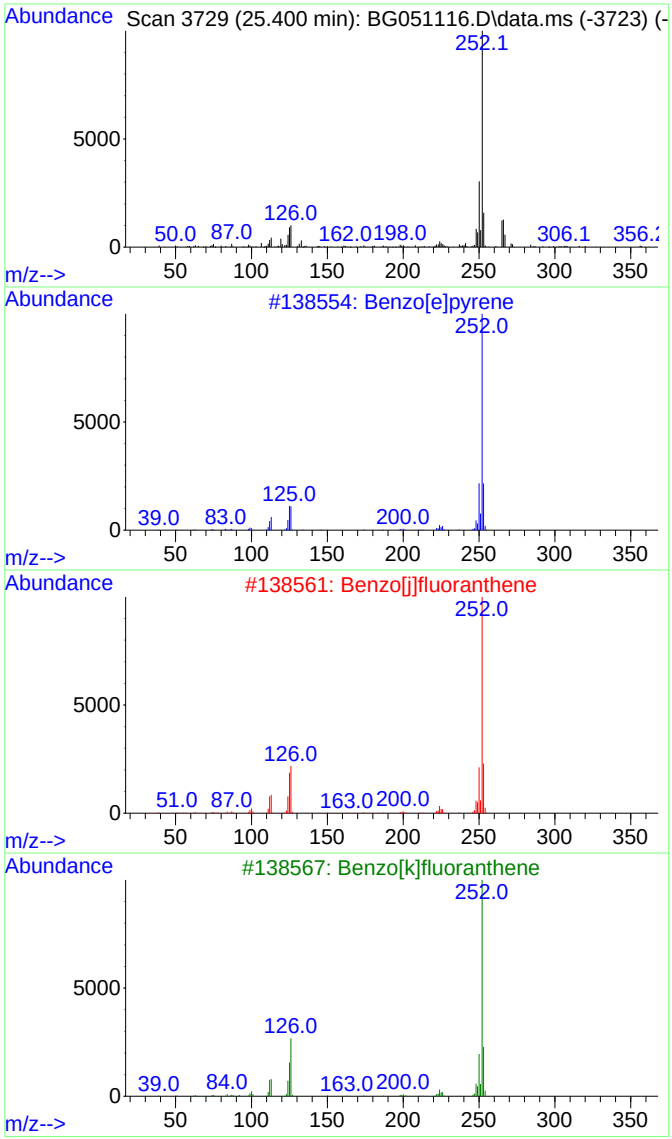
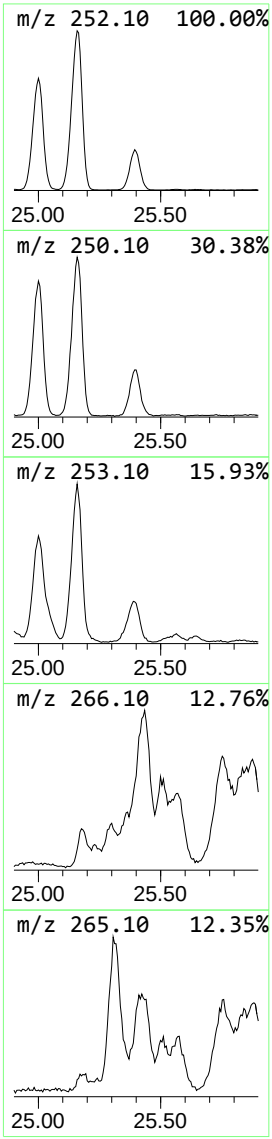
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.400	28.21 ng	530330	Perylene-d12	25.311

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	92
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86
4	Benzo[a]pyrene	252	C20H12	000050-32-8	70
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051116.D
Acq On : 18 Nov 2021 22:18
Operator : CG/JU
Sample : M4707-29
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
3-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.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
Ethanol, 2-(2-b...	10.787	18.9	ng	284288	2	11.046	300059	20.0
9H-Fluoren-9-one	17.250	4.7	ng	122927	4	17.597	528668	20.0
Dibenzothiophene	17.415	4.7	ng	123784	4	17.597	528668	20.0
Phenanthrene, 1...	18.467	13.0	ng	343320	4	17.597	528668	20.0
Phenanthrene, 2...	18.514	17.4	ng	459087	4	17.597	528668	20.0
1H-Cyclopropa[l...	18.596	5.5	ng	145104	4	17.597	528668	20.0
Benzaldehyde, 3...	18.660	19.8	ng	523593	4	17.597	528668	20.0
Phenanthrene, 3...	18.696	7.0	ng	183591	4	17.597	528668	20.0
5,16[1',2']:8,1...	18.954	10.1	ng	267084	4	17.597	528668	20.0
9,10-Anthracene...	19.007	7.9	ng	208587	4	17.597	528668	20.0
Phenanthrene, 2...	19.371	18.2	ng	481955	4	17.597	528668	20.0
Cyclopenta(def)...	19.518	11.4	ng	301694	4	17.597	528668	20.0
unknown19.730	19.730	4.7	ng	122888	4	17.597	528668	20.0
Pyrene, 1-methyl-	20.317	5.1	ng	713337	5	21.904	2798260	20.0
11H-Benzo[b]flu...	20.488	7.1	ng	987985	5	21.904	2798260	20.0
Pyrene, 2-methyl-	20.646	5.0	ng	696651	5	21.904	2798260	20.0
Benz(a)anthrace...	23.825	16.5	ng	310192	6	25.311	375980	20.0
Benzo[e]pyrene	24.495	16.1	ng	303036	6	25.311	375980	20.0
Perylene	25.000	63.7	ng	1197570	6	25.311	375980	20.0
Benzo[j]fluoran...	25.400	28.2	ng	530330	6	25.311	375980	20.0