LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051112.D
Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 351

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: BG051112.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.859	56	63	77	rBV	283786	468320	23.62%	1.608%
2	5.762	380	387	397	rBV	493209	829199	41.83%	2.847%
3	7.372	651	661	677	rBV	512261	925495	46.69%	3.178%
4	8.218	798	805	818	rVB	131519	222453	11.22%	0.764%
5	9.394	997	1005	1016	rVB	305511	561929	28.35%	1.930%
6	10.786	1236	1242	1256	rBV	61393	124475	6.28%	0.427%
7	11.045	1279	1286	1293	rBV	174224	329037	16.60%	1.130%
8	13.465	1690	1698	1706	rBV	734012	1185171	59.79%	4.070%
9	13.771	1743	1750	1763	rBV	82646	178281	8.99%	0.612%
10	14.170	1811	1818	1822	rBV	18253	31467	1.59%	0.108%
11	14.576	1880	1887	1897	rBV2	49001	108523	5.47%	0.373%
12	14.746	1911	1916	1923	rBV	34968	69293	3.50%	0.238%
13	14.846	1927	1933	1939	rVV	283747	455529	22.98%	1.564%
14	14.911	1939	1944	1950	rVB	39445	64008	3.23%	0.220%
15	15.240	1995	2000	2006	rVB3	30489	52666	2.66%	0.181%
16	15.310	2007	2012	2022	rVB	19199	30890	1.56%	0.106%
17	15.451	2031	2036	2041	rBV2	16777	32131	1.62%	0.110%
18	15.627	2058	2066	2067	rBV5	13748	25932	1.31%	0.089%
19	15.892	2105	2111	2122	rVB	49313	89738	4.53%	0.308%
20	16.050	2134	2138	2142	rVB3	16231	25148	1.27%	0.086%
21	16.180	2156	2160	2167	rVB2	21008	37262	1.88%	0.128%
22	16.338	2180	2187	2193	rBV	562574	914549	46.13%	3.140%
23	16.526	2211	2219	2222	rBV3	28652	52223	2.63%	0.179%
24	16.896	2270	2282	2286	rBV3	50168	96643	4.88%	0.332%
25	17.114	2312	2319	2323	rBV3	23899	46845	2.36%	0.161%
26	17.155	2323	2326	2333	rVB4	15271	26304	1.33%	0.090%
27	17.220	2333	2337	2348	rBV2	95903	236937	11.95%	0.814%
28	17.308	2348	2352	2357	rBV3	19793	34428	1.74%	0.118%
29	17.414	2365	2370	2376	rVB	36320	60746	3.06%	0.209%
30	17.596	2394	2401	2404	rBV	342233	535859	27.03%	1.840%
31	17.637	2404	2408	2415	rVV	594102	899523	45.38%	3.089%
32	17.731	2415	2424	2427	rVV	54885	97845	4.94%	0.336%
33	17.784	2430	2433	2440	rVB2	25197	41298	2.08%	0.142%
34	18.001	2463	2470	2475	rBV2	46753	101221	5.11%	0.348%
35	18.107	2483	2488	2493	rBV	22384	33554	1.69%	0.115%
36	18.171	2494	2499	2504	rVB2	24117	41547	2.10%	0.143%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051112.D
Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
351

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	18.218	2504	2507	2512	rVB4	16269	22952	1.16%	0.079%
38	18.389	2532	2536	2541	rBV5	13182	23387	1.18%	0.080%
39	18.465	2543	2549	2553	rVV	123164	209009	10.54%	0.718%
40	18.512	2553	2557	2563	rVV	158919	240843	12.15%	0.827%
41	18.594	2566	2571	2576	rVV2	34694	56162	2.83%	0.193%
42	18.659	2576	2582	2586	rVV2	166152	345442	17.43%	1.186%
43	18.694	2586	2588	2595	rVV	84512	115276	5.82%	0.396%
44	18.765	2597	2600	2604	rVV3	17463	24870	1.25%	0.085%
45	18.806	2604	2607	2611	rVV3	16589	27112	1.37%	0.093%
46	18.859	2611	2616	2620	rVV4	17286	34265	1.73%	0.118%
47	18.900	2620	2623	2627	rVV6	13595	22575	1.14%	0.078%
48	18.953	2627	2632	2637	rVV	91320	143902	7.26%	0.494%
49	19.006	2637	2641	2650	rVB2	121371	185958	9.38%	0.639%
50	19.211	2666	2676	2680	rBV	295699	512639	25.86%	1.760%
51	19.288	2686	2689	2697	rVB3	39413	65355	3.30%	0.224%
52	19.370	2697	2703	2707	rBV	94922	174166	8.79%	0.598%
53	19.523	2723	2729	2738	rVB2	93237	170409	8.60%	0.585%
54	19.640	2742	2749	2754	rVV	1373149	1982371	100.00%	6.807%
55	19.687	2754	2757	2760	rVV	29565	41855	2.11%	0.144%
56	19.728	2761	2764	2769	rVB3	36374	55415	2.80%	0.190%
57	19.787	2769	2774	2778	rBV	87938	129066	6.51%	0.443%
58	19.828	2778	2781	2785	rVV2	41135	65920	3.33%	0.226%
59	19.881	2787	2790	2798	rVV2	48280	110620	5.58%	0.380%
60	19.963	2799	2804	2806	rVV2	173550	268774	13.56%	0.923%
61	20.005	2806	2811	2816	rVV	1036984	1571916	79.29%	5.398%
62	20.063	2816	2821	2827	rVB2	80070	118854	6.00%	0.408%
63	20.181	2835	2841	2846	rBV	1202128	1611305	81.28%	5.533%
64	20.240	2846	2851	2857	rVB3	47916	95738	4.83%	0.329%
65	20.316	2857	2864	2871	rBV3	107847	292232	14.74%	1.004%
66	20.486	2889	2893	2898	rVB	189833	291595	14.71%	1.001%
67	20.580	2905	2909	2913	rBV	107818	161235	8.13%	0.554%
68	20.645	2913	2920	2924	rVB2	104872	206198	10.40%	0.708%
69	20.721	2929	2933	2936	rBV2	28907	44205	2.23%	0.152%
70	20.763	2936	2940	2948	rVV	559499	958465	48.35%	3.291%
71	20.833	2949	2952	2963	rVB2	90851	163038	8.22%	0.560%
72	21.268	3021	3026	3032	rVB	146422	239973	12.11%	0.824%
73	21.456	3052	3058	3061	rBV2	102217	220314	11.11%	0.757%
74	21.556	3070	3075	3079	rBV2	90633	176026	8.88%	0.604%
75	21.614	3081	3085	3093	rVB	128547	230077	11.61%	0.790%
76	21.879	3124	3130	3137	rBV3	564819	1504651	75.90%	5.167%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051112.D
Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
351

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	21.944	3137	3141	3153	rVB	467513	884290	44.61%	3.037%
78	22.179	3176	3181	3192	rBV4	71295	166429	8.40%	0.572%
79	22.325	3200	3206	3214	rBV	541661	1050185	52.98%	3.606%
80	22.654	3260	3262	3269	rVB2	94540	142476	7.19%	0.489%
81	22.948	3308	3312	3317	rBV3	41878	71195	3.59%	0.244%
82	24.223	3520	3529	3537	rBV2	386589	1370516	69.14%	4.706%
83	24.482	3565	3573	3588	rBV3	250181	799416	40.33%	2.745%
84	24.993	3652	3660	3674	rVB	205727	647063	32.64%	2.222%
85	25.146	3677	3686	3697	rVB	302344	902026	45.50%	3.097%
86	25.310	3706	3714	3721	rBV3	138227	382809	19.31%	1.315%
87	29.235	4372	4382	4402	rVB2	138415	724120	36.53%	2.487%

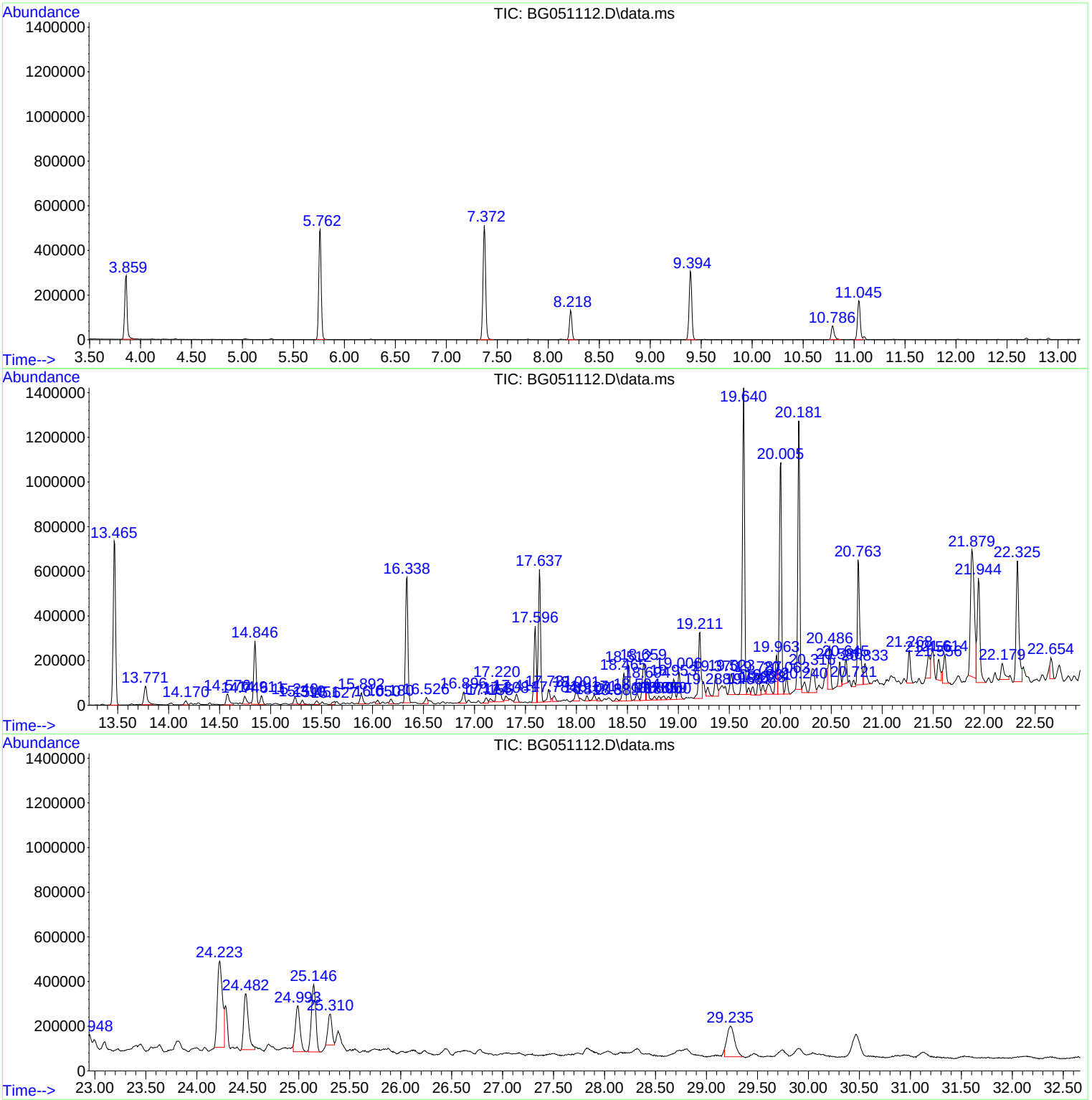
Sum of corrected areas: 29121159

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051112.D
Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
351

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 : BG051112.D
Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
351

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

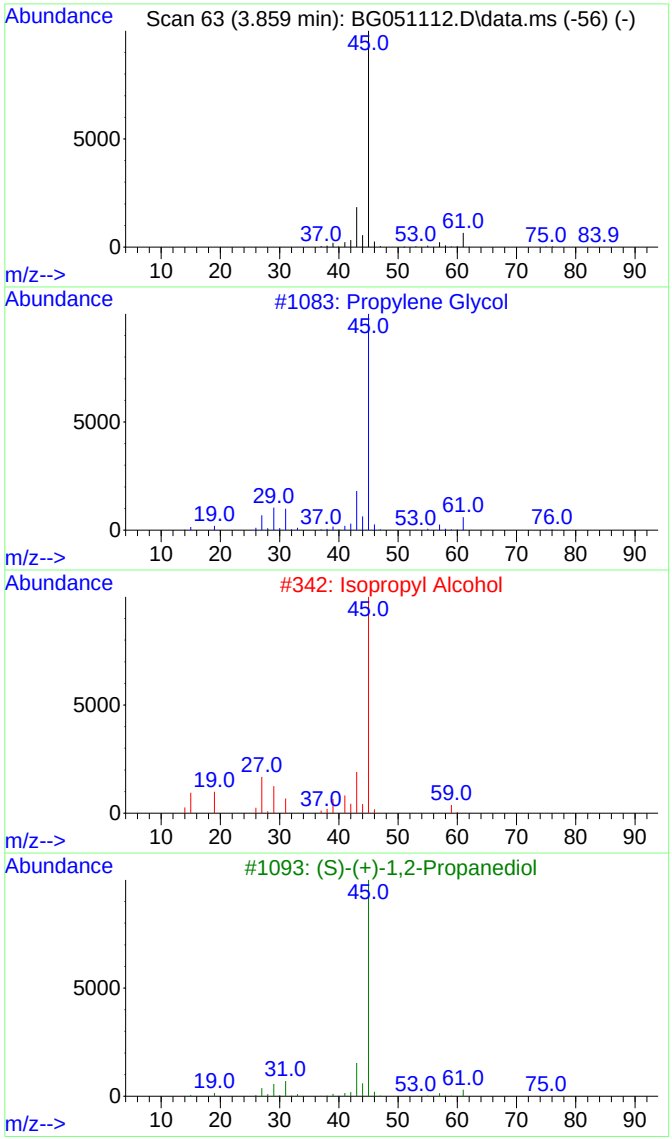
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

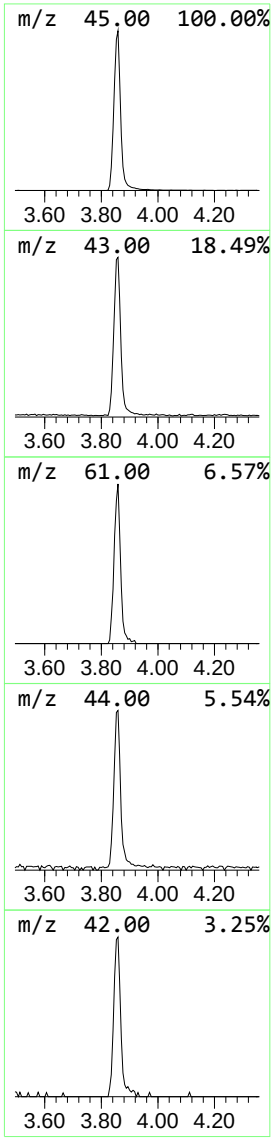
****

Peak Number 1 Propylene Glycol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.859	42.11 ng	468320	1,4-Dichlorobenzene-d4	8.218

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propylene Glycol	76	C3H8O2	000057-55-6	90
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	56
3	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	43
4	Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	000547-64-8	40
5	2-Pentanol	88	C5H12O	006032-29-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051112.D
Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
351

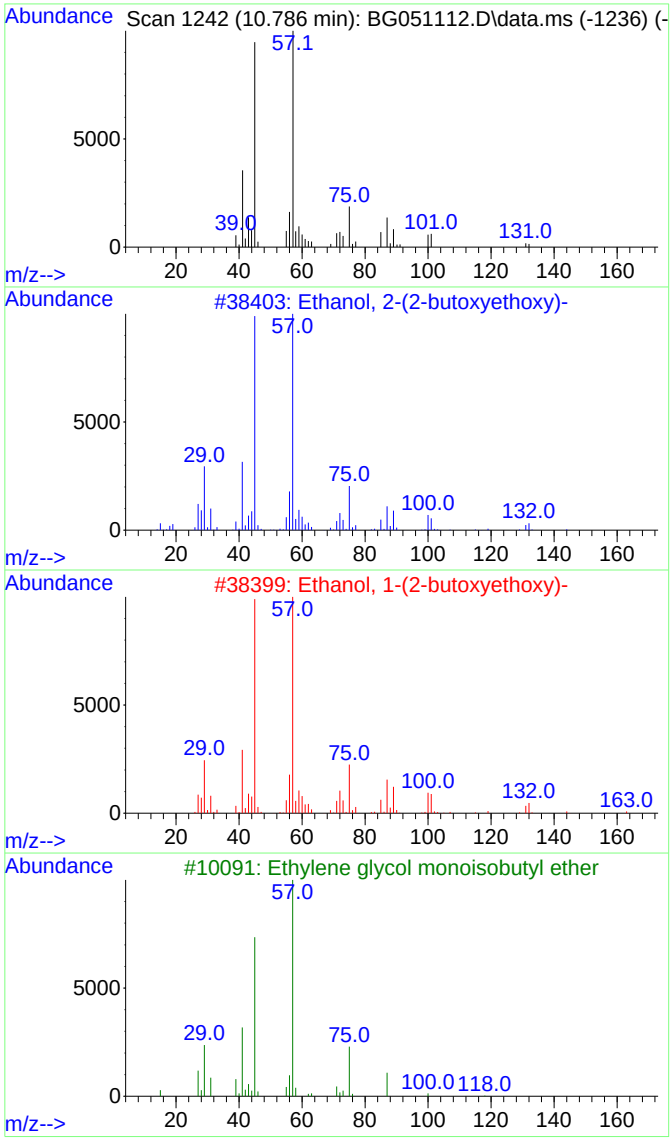
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

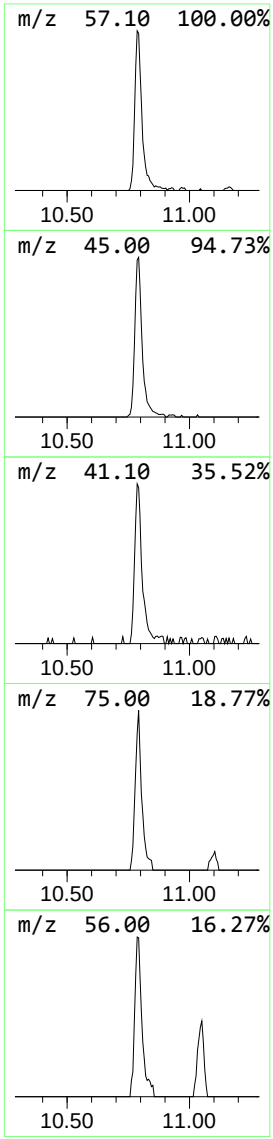
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.786	7.57 ng	124475	Naphthalene-d8	11.044

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	78
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
4	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56
5	Di-sec-Butyl ether	130	C8H18O	006863-58-7	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051112.D
Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
351

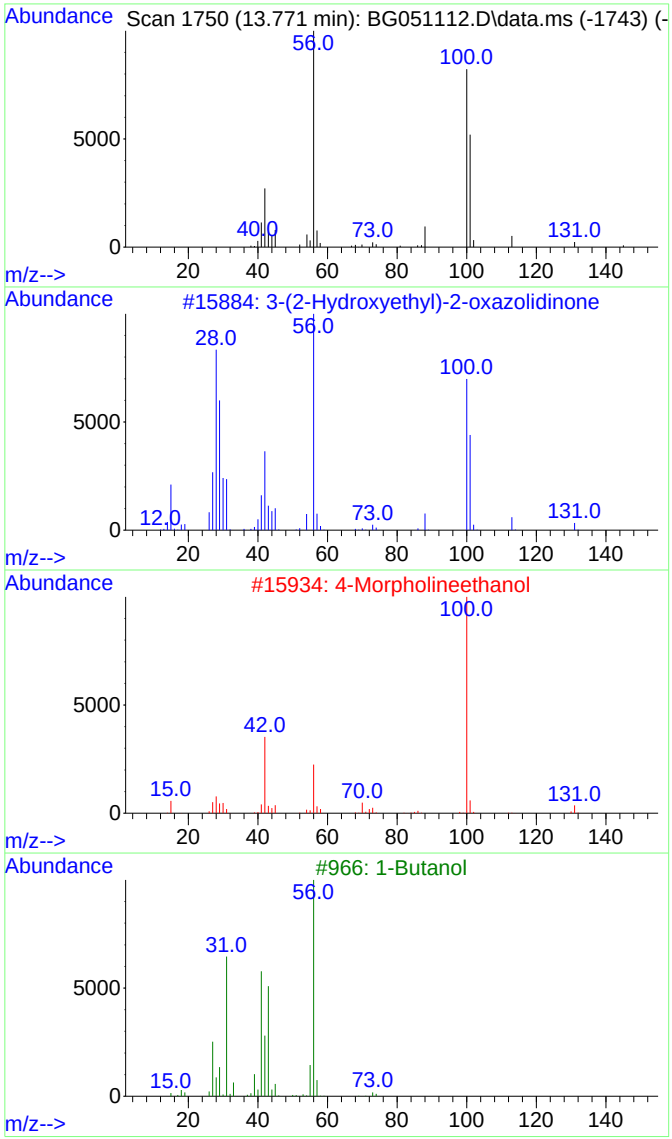
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

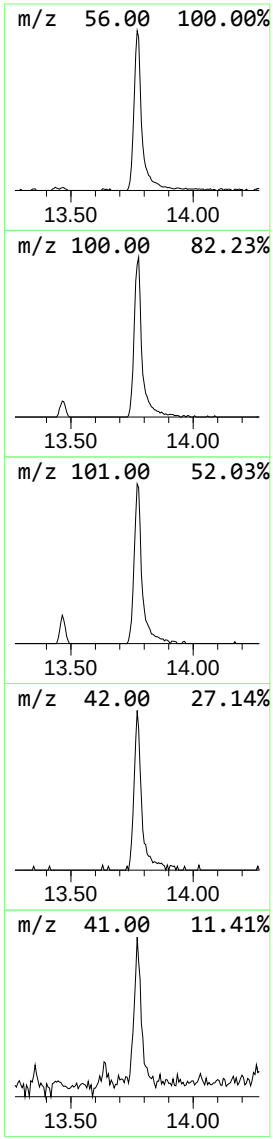
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 3-(2-Hydroxyethyl)-2-oxazol... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.771	7.83 ng	178281	Acenaphthene-d10	14.846

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Hydroxyethyl)-2-oxazolidinone	131	C5H9NO3	003356-88-5	64
2	4-Morpholineethanol	131	C6H13NO2	000622-40-2	38
3	1-Butanol	74	C4H10O	000071-36-3	27
4	Imidazole, 5-fluoro-4-methyl-	100	C4H5FN2	041367-01-5	25
5	3-Methyl-5-pyrazolidinone	100	C4H8N2O	010234-76-1	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051112.D
Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
351

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

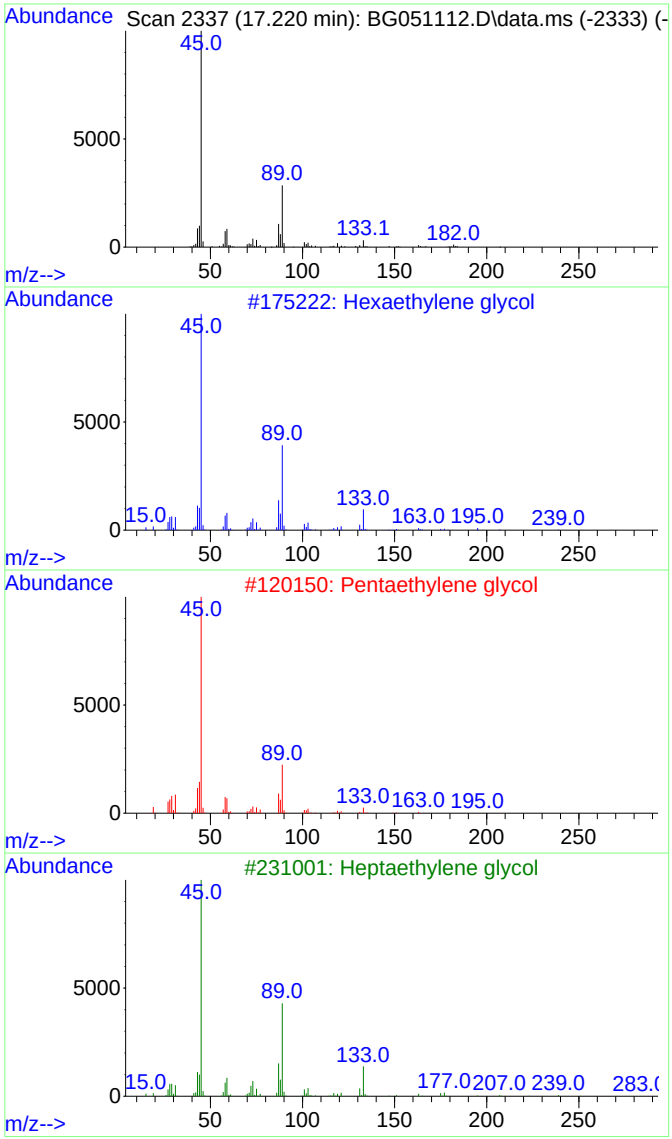
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

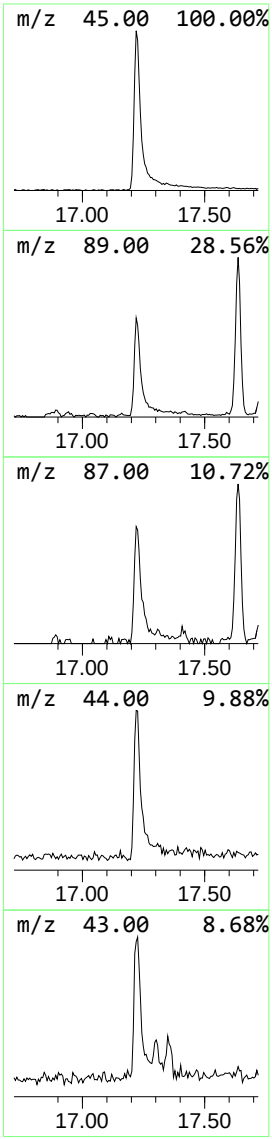
****

Peak Number 4 Hexaethylene glycol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.220	8.84 ng	236937	Phenanthrene-d10	17.596

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexaethylene glycol	282	C12H26O7	002615-15-8	90
2	Pentaethylene glycol	238	C10H22O6	004792-15-8	86
3	Heptaethylene glycol	326	C14H30O8	005617-32-3	83
4	2-[2-[2-[2-[2-[2-[2-[2-(2-Hyd...	458	C20H42O11	005579-66-8	78
5	3,6,9,12-Tetraoxahexadecan-1-ol	250	C12H26O5	001559-34-8	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051112.D
Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
351

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

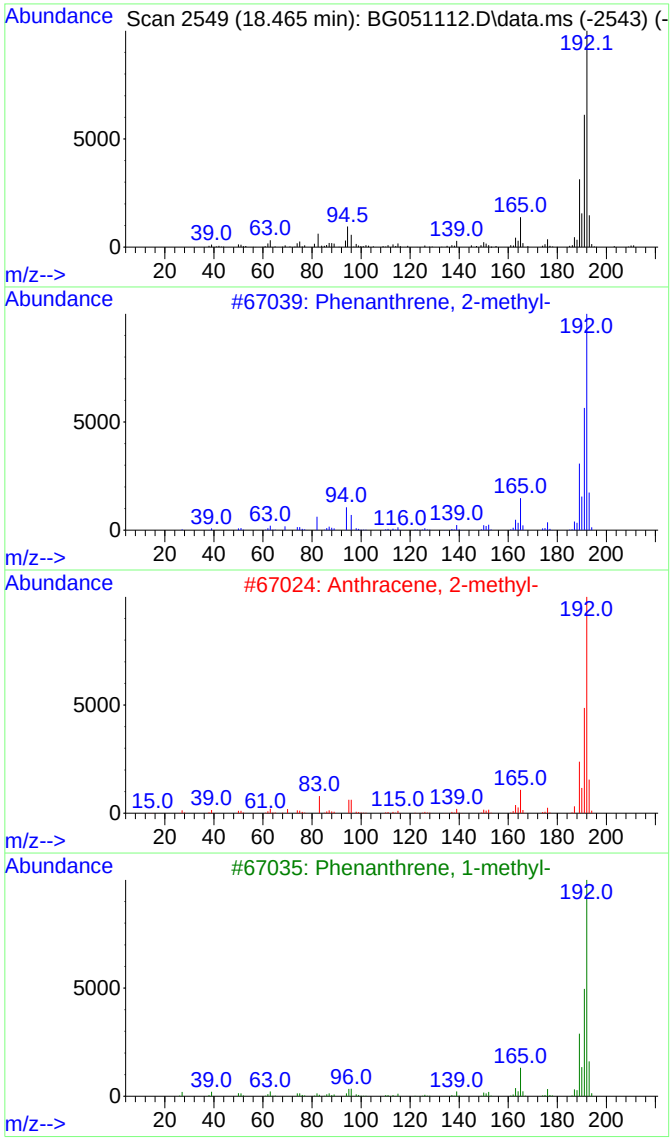
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

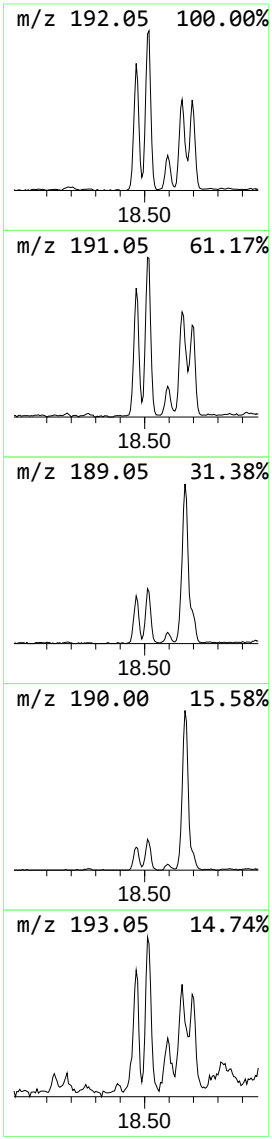
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.465	7.80 ng	209009	Phenanthrene-d10	17.596

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
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 : BG051112.D
Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
351

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

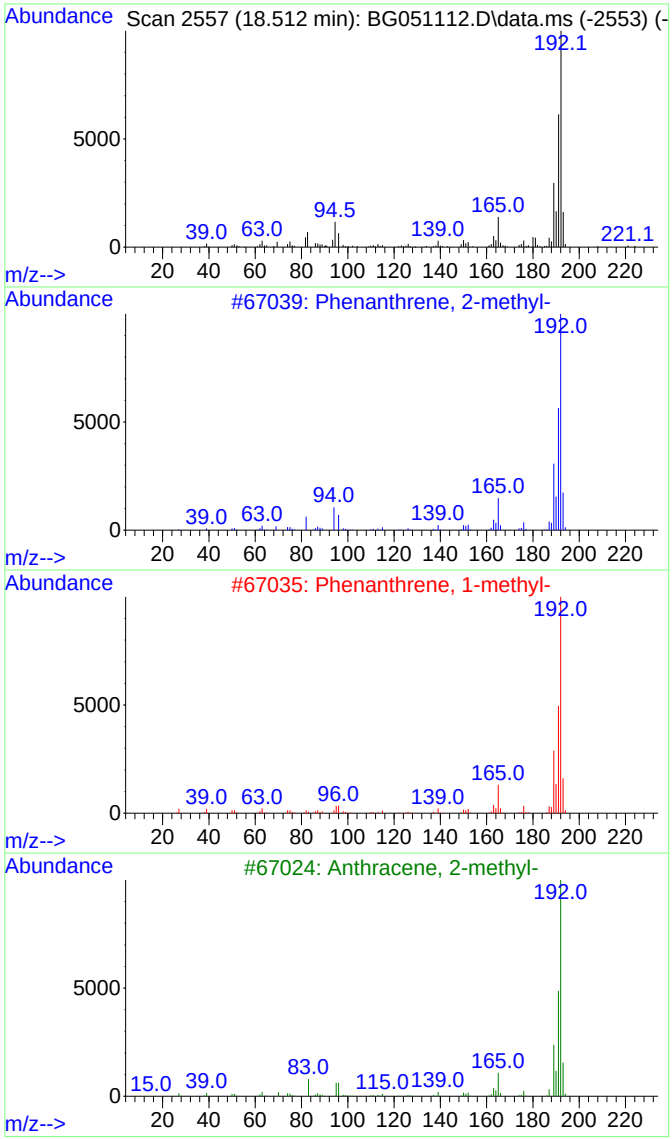
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

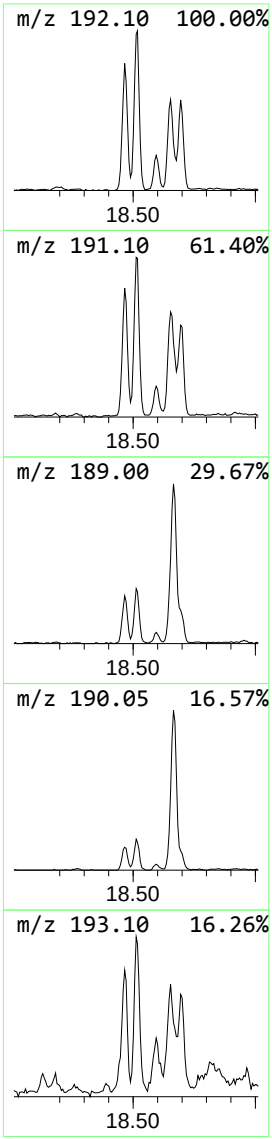
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.512	8.99 ng	240843	Phenanthrene-d10	17.596

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93





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Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
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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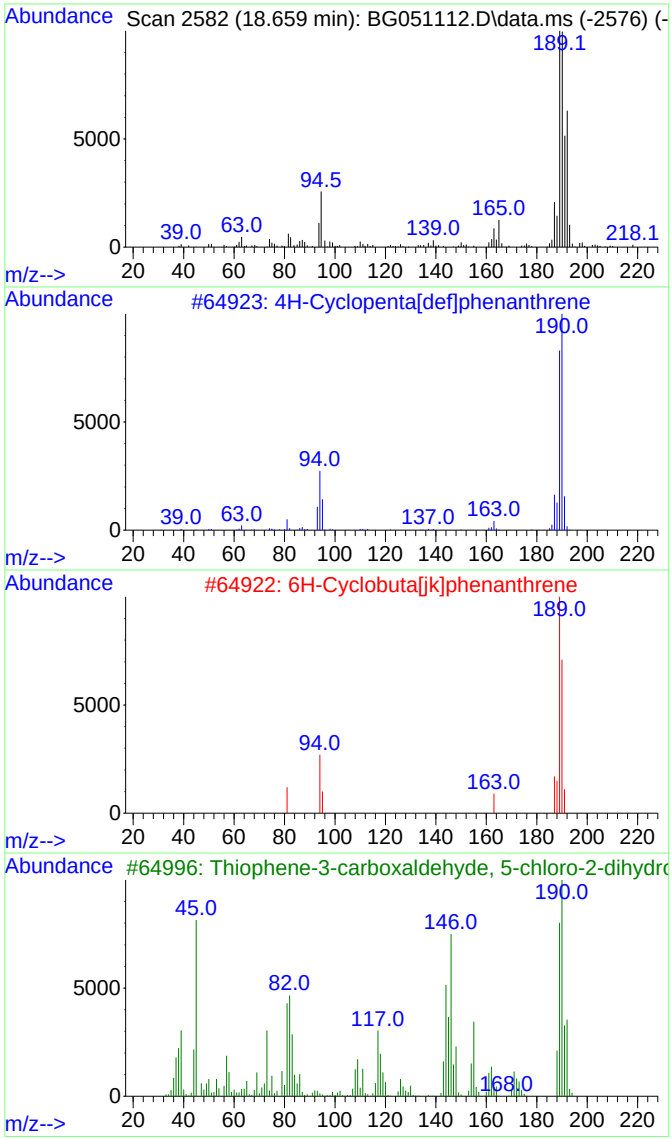
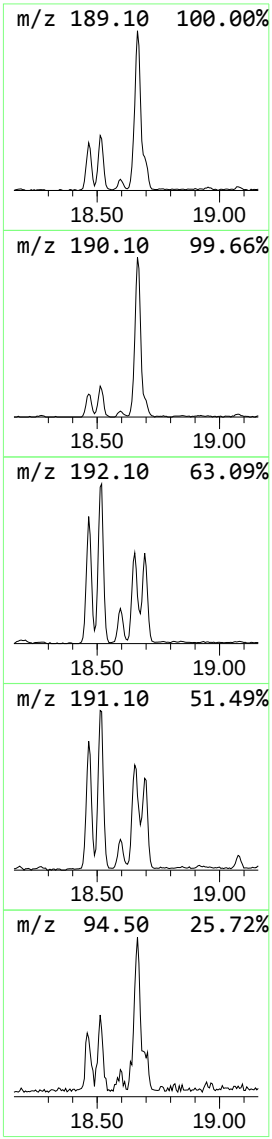
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.659	12.89 ng	345442	Phenanthrene-d10	17.596

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	43
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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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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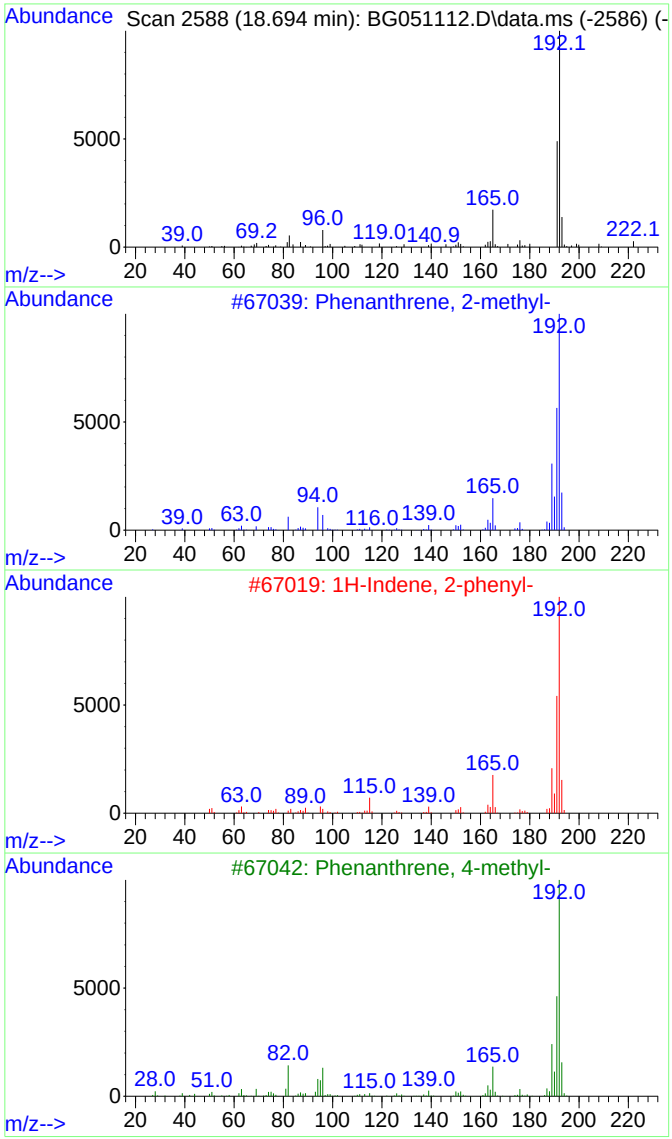
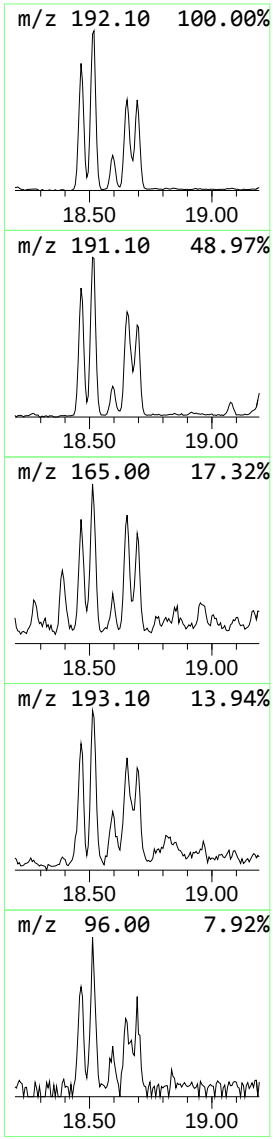
Peak Number 8 1H-Indene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.694	4.30 ng	115276	Phenanthrene-d10	17.596

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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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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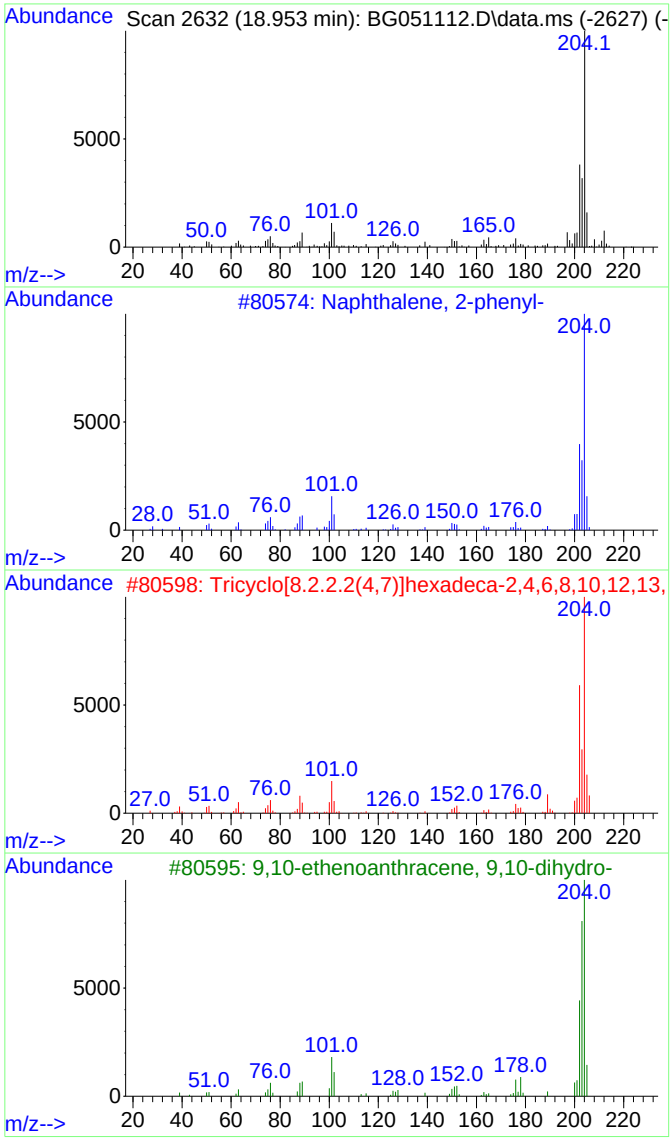
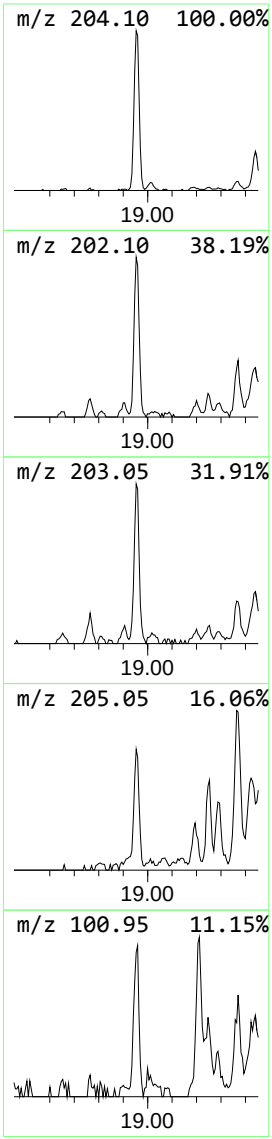
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.953	5.37 ng	143902	Phenanthrene-d10	17.596

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	47
4	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	46
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	45





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ALS Vial : 11 Sample Multiplier: 1

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

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

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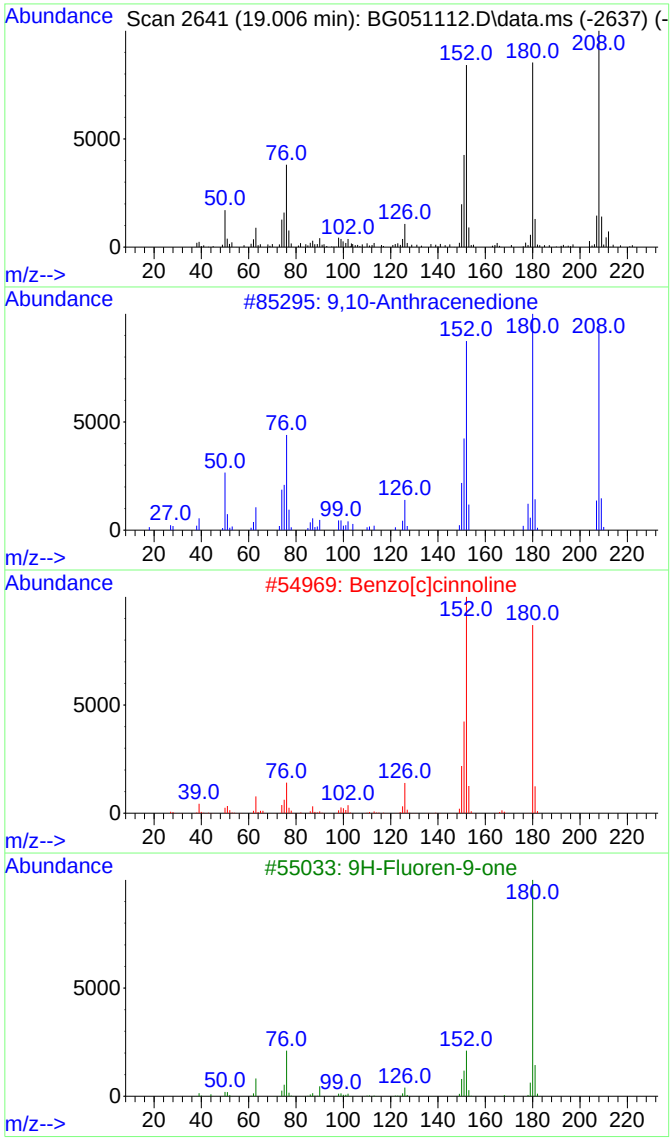
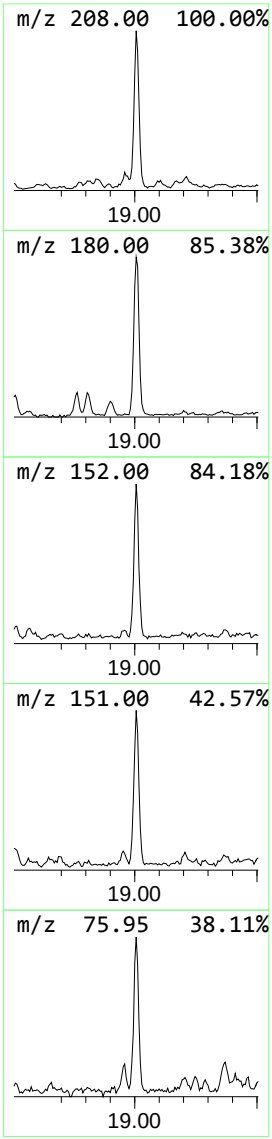
Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.006	6.94 ng	185958	Phenanthrene-d10	17.596

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	55
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53





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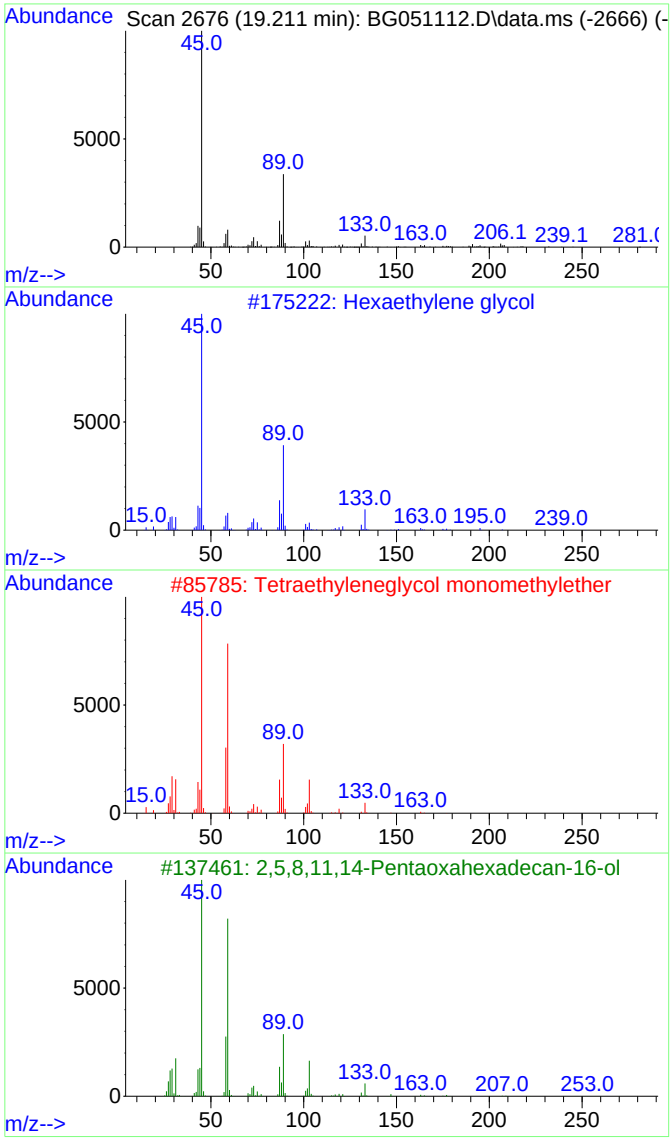
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

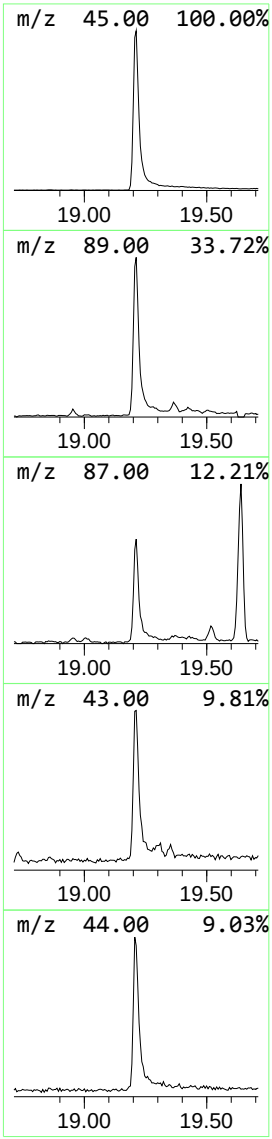
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Tetraethyleneglycol monomet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.211	19.13 ng	512639	Phenanthrene-d10	17.596

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexaethylene glycol	282	C12H26O7	002615-15-8	91
2	Tetraethyleneglycol monomethylether	208	C9H20O5	023783-42-8	83
3	2,5,8,11,14-Pentaoxahexadecan-16-ol	252	C11H24O6	023778-52-1	83
4	Triethylene glycol	150	C6H14O4	000112-27-6	78
5	Tetraethylene glycol	194	C8H18O5	000112-60-7	64





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Sample : M4695-06
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Instrument :
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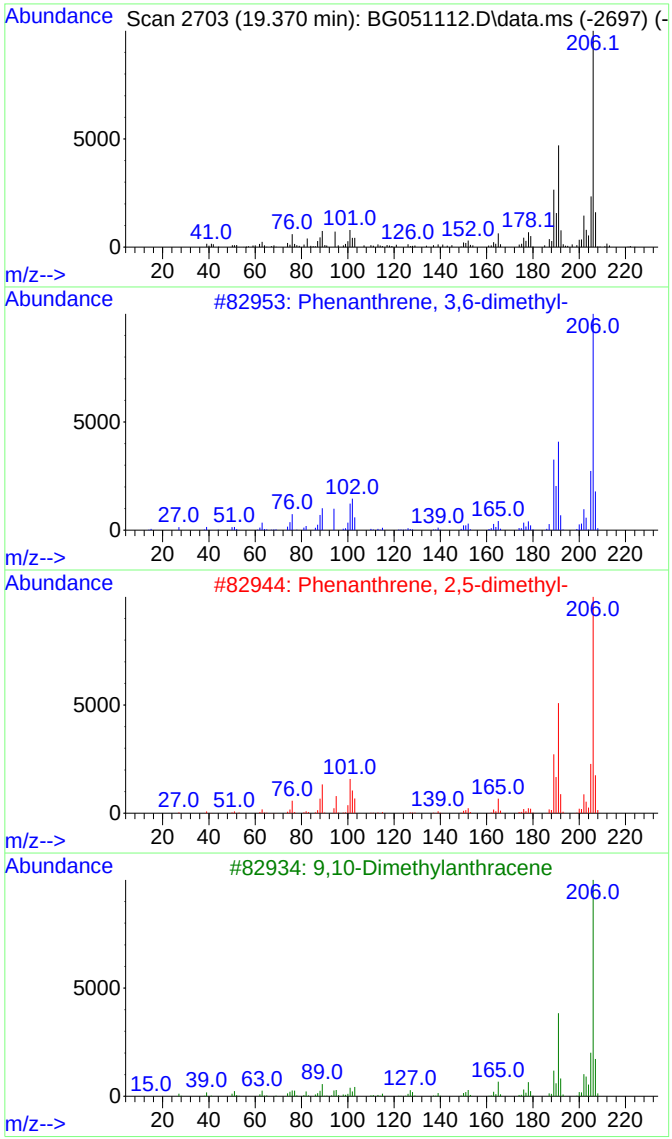
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

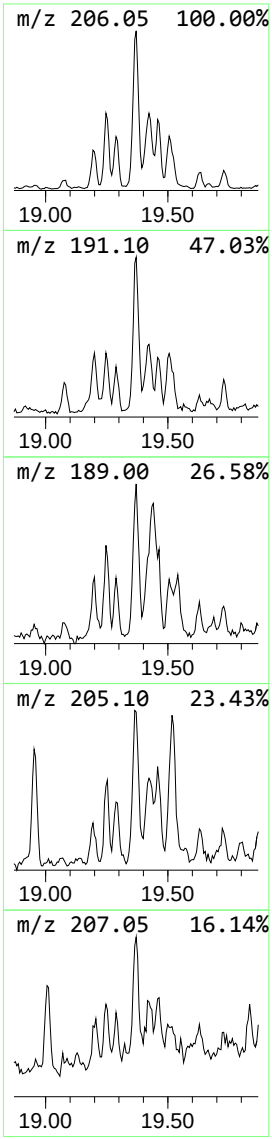
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.370	6.50 ng	174166	Phenanthrene-d10	17.596

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

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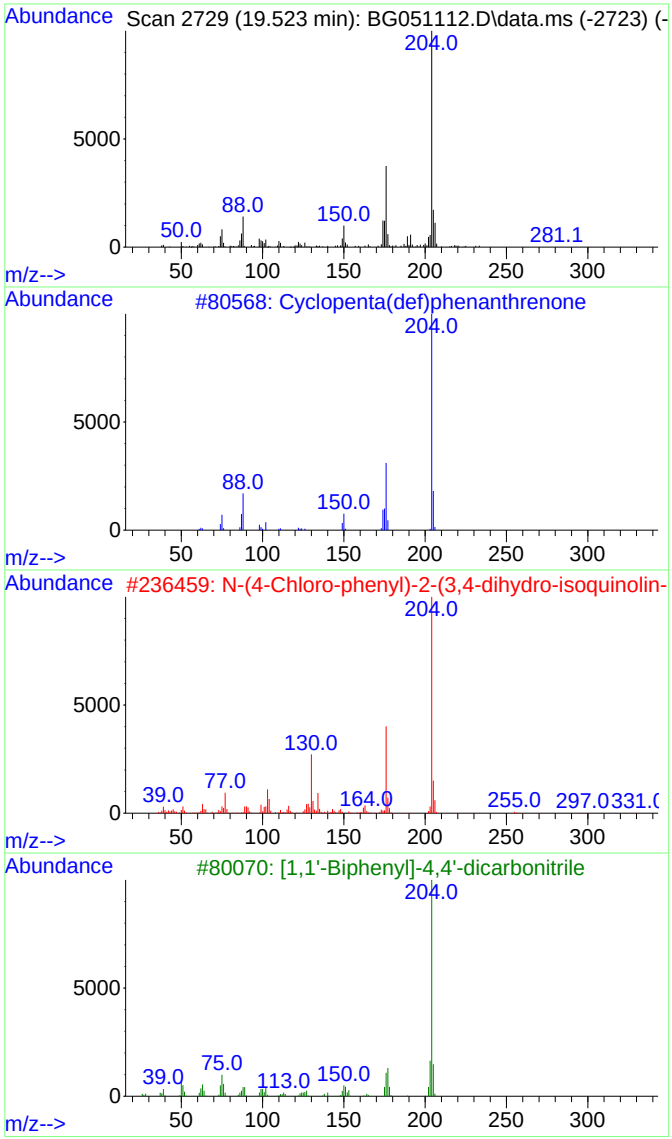
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

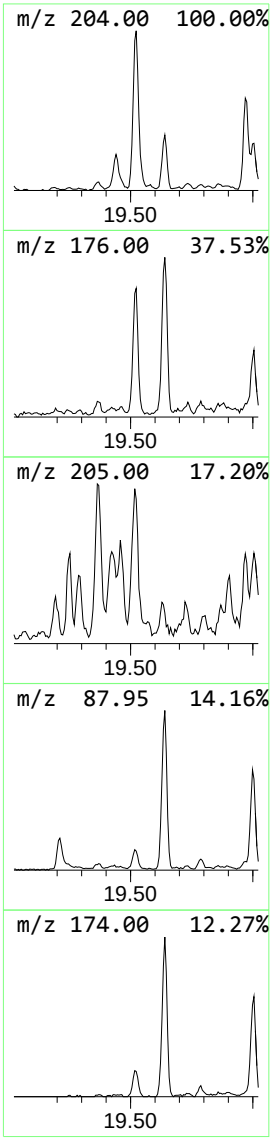
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.523	6.36 ng	170409	Phenanthrene-d10	17.596

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	50





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Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

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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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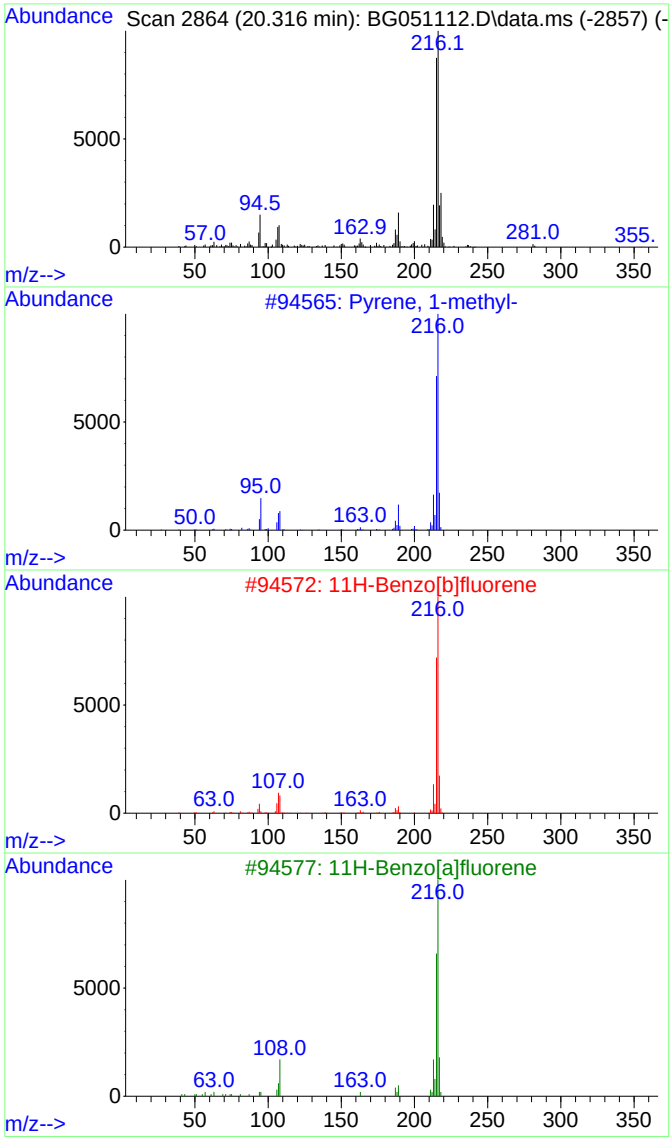
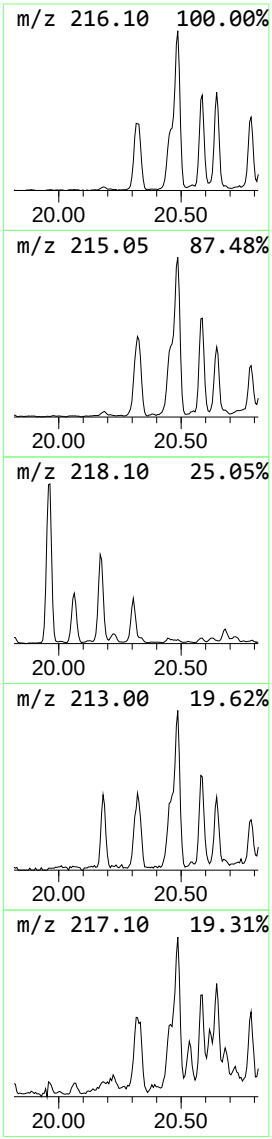
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.316	3.88 ng	292232	Chrysene-d12	21.897

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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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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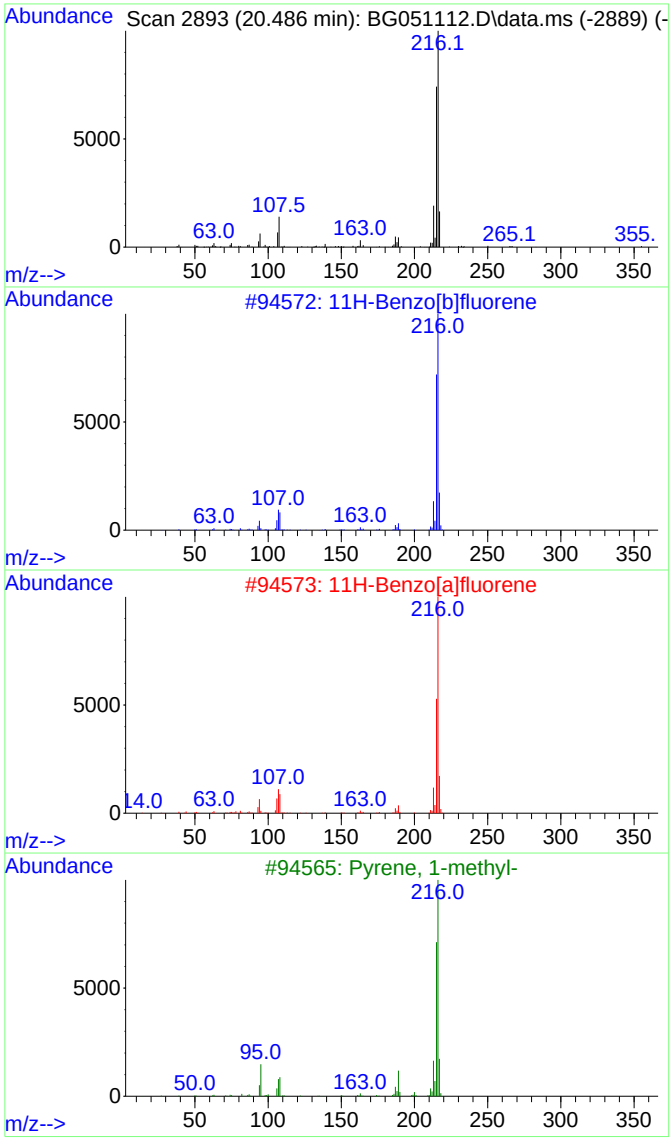
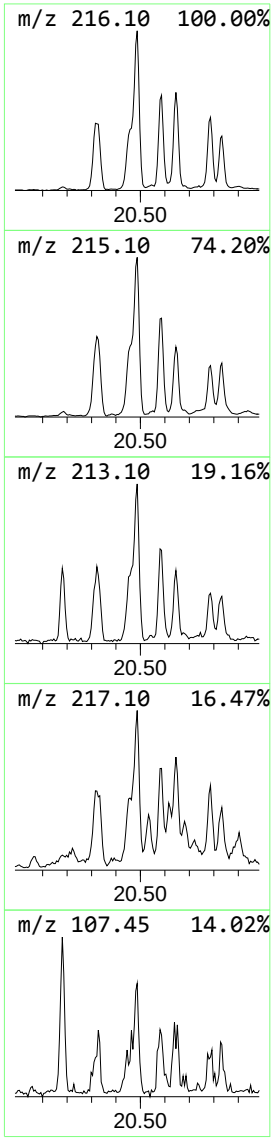
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.486	3.88 ng	291595	Chrysene-d12	21.897

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
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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TIC Library : C:\Database\NIST20.L
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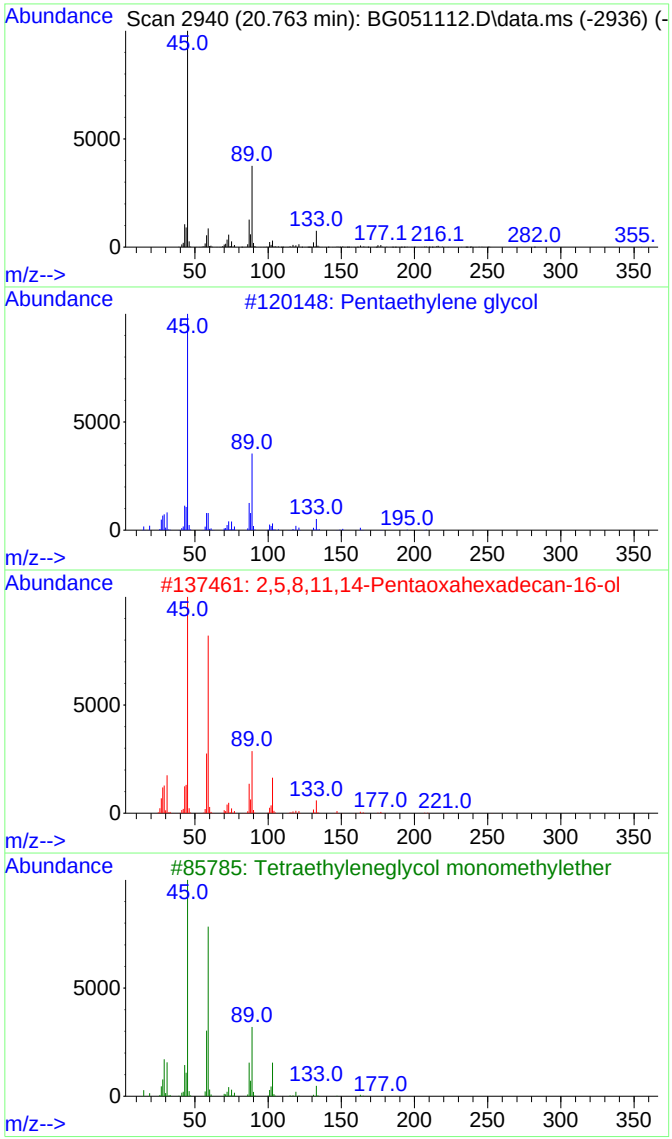
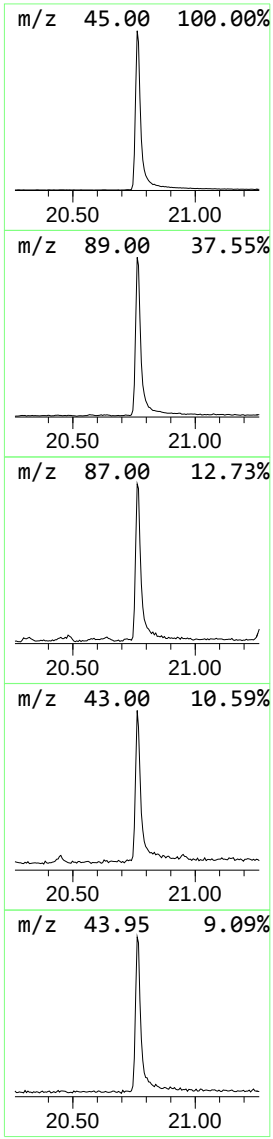
Peak Number 16 Pentaethylene glycol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.762	12.74 ng	958465	Chrysene-d12	21.897

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaethylene glycol	238	C10H22O6	004792-15-8	90
2	2,5,8,11,14-Pentaoxahexadecan-16-ol	252	C11H24O6	023778-52-1	83
3	Tetraethyleneglycol monomethylether	208	C9H20O5	023783-42-8	83
4	Acetaldehyde, tetramer	176	C8H16O4	000108-62-3	72
5	Heptaethylene glycol	326	C14H30O8	005617-32-3	70





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

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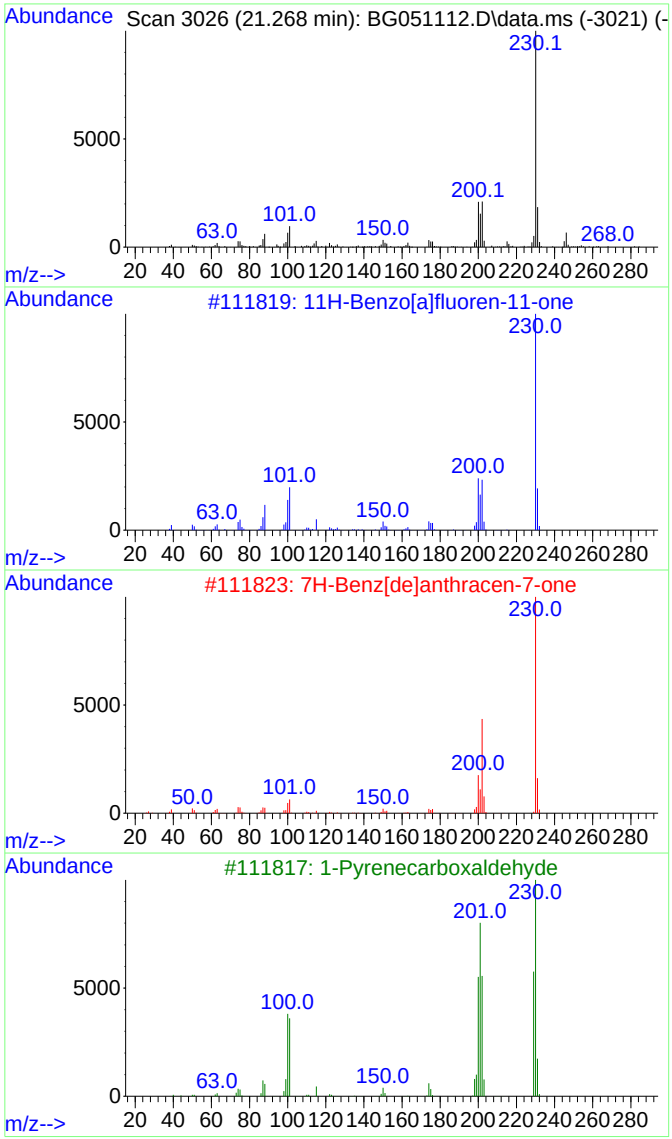
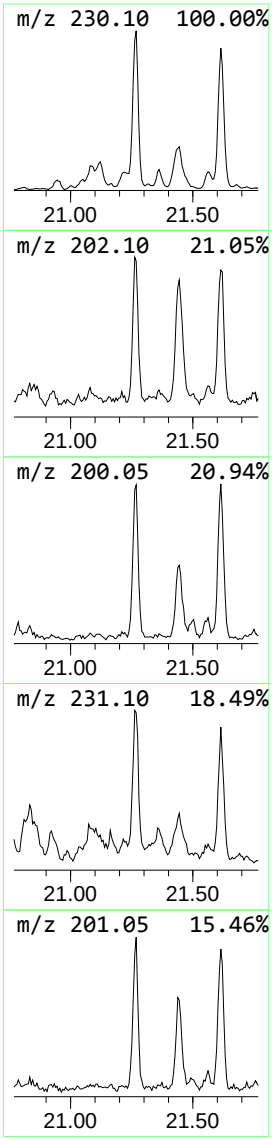
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.268	3.19 ng	239973	Chrysene-d12	21.897

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	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
5	.delta.(sup1),.alpha.-Acenaphthe...	230	C15H6N2O	014619-86-4	64





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Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
351

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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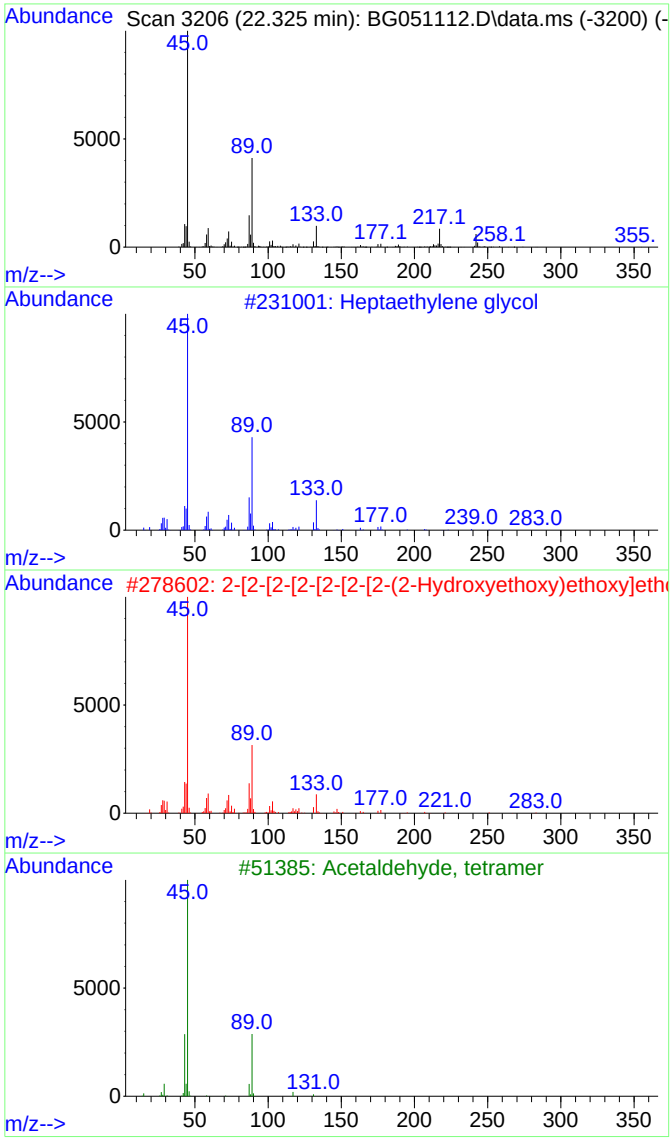
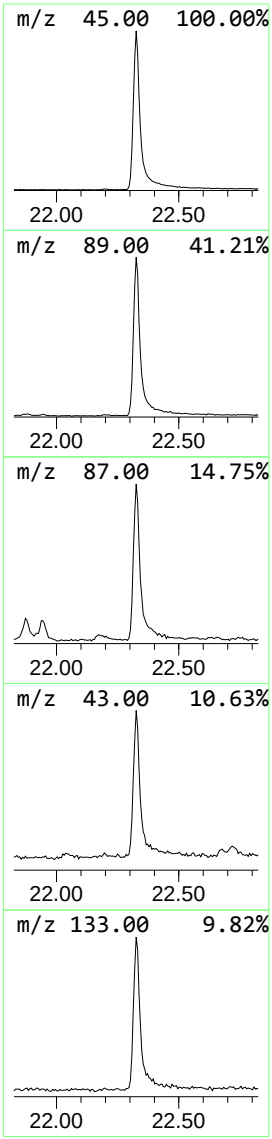
Peak Number 18 Heptaethylene glycol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.325	13.96 ng	1050190	Chrysene-d12	21.897

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptaethylene glycol	326	C14H30O8	005617-32-3	90
2	2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	64
3	Acetaldehyde, tetramer	176	C8H16O4	000108-62-3	64
4	Tetraethylene glycol	194	C8H18O5	000112-60-7	59
5	2,5,8,11,14-Pentaoxahexadecan-16-ol	252	C11H24O6	023778-52-1	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051112.D
Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
351

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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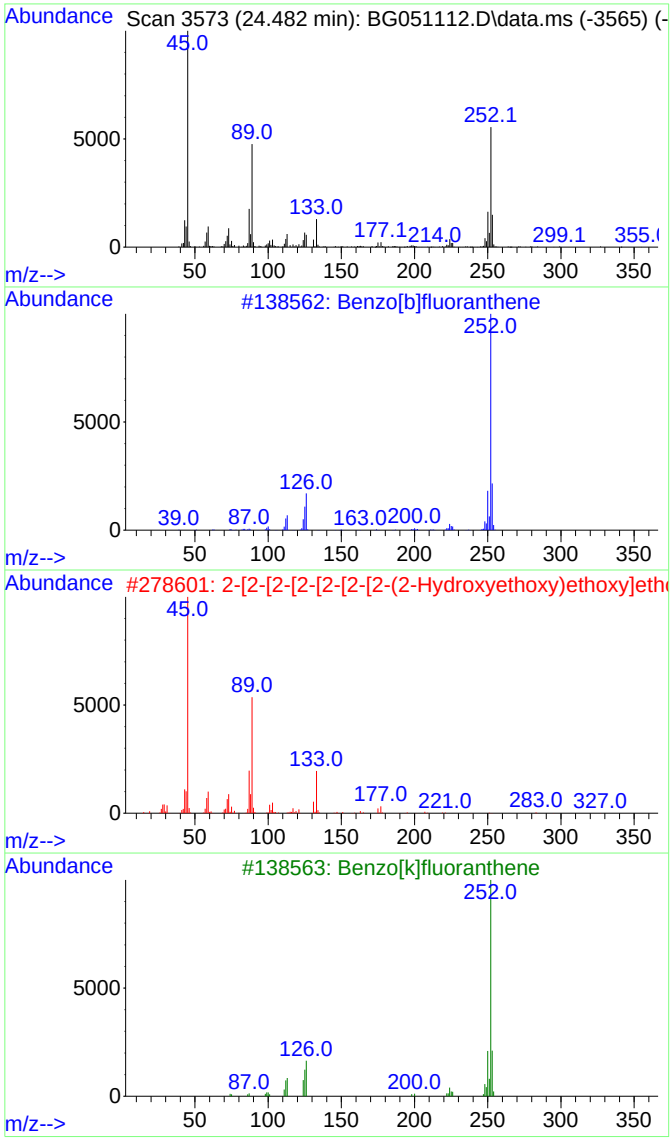
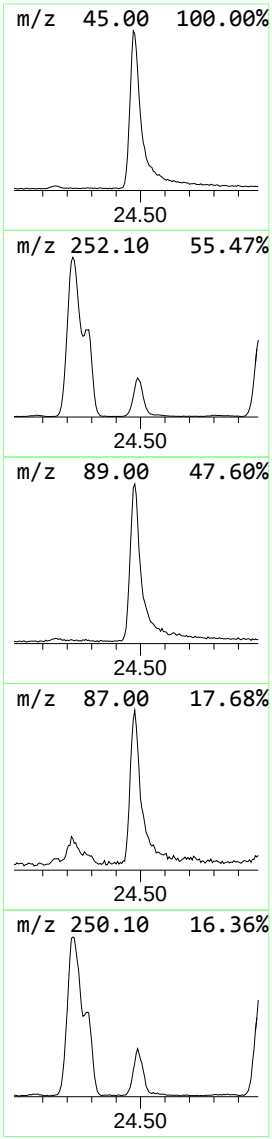
Peak Number 19 2-[2-[2-[2-[2-[2-[2-(2-Hydr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.482	41.77 ng	799416	Perylene-d12	25.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	84
2	2-[2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	64
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	60
4	Heptaethylene glycol	326	C14H30O8	005617-32-3	58
5	2-[2-[2-[2-[2-[2-[2-[2-[2-(2-...	502	C22H46O12	006809-70-7	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051112.D
Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
351

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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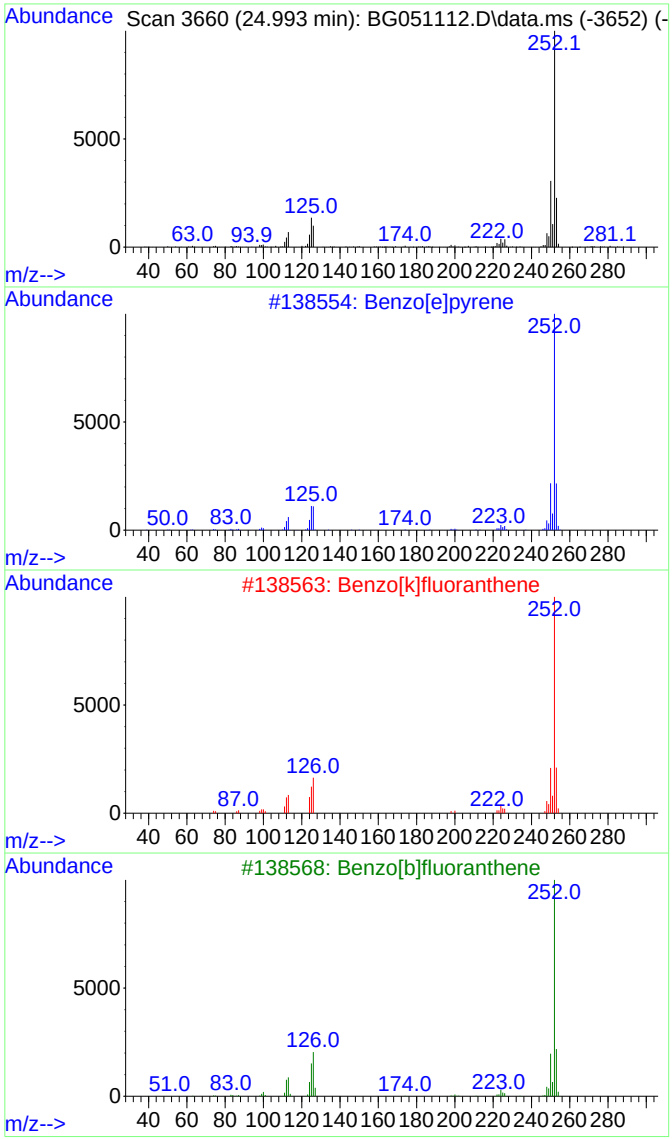
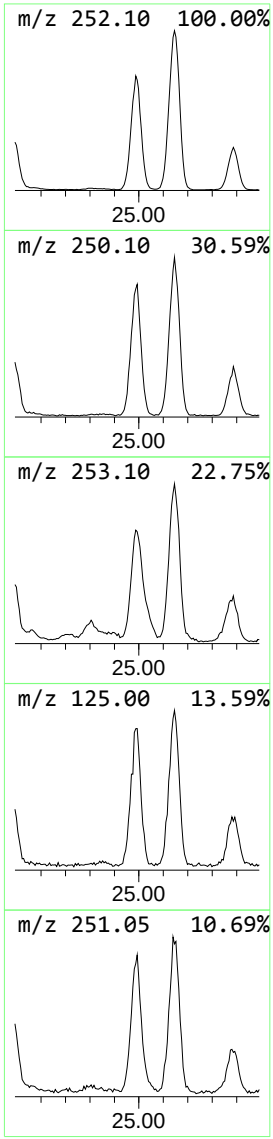
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.993	33.81 ng	647063	Perylene-d12	25.304

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	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051112.D
Acq On : 18 Nov 2021 19:32
Operator : CG/JU
Sample : M4695-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
351

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
Propylene Glycol	3.859	42.1	ng	468320	1	8.218	222453	20.0
Ethanol, 2-(2-b...	10.786	7.6	ng	124475	2	11.044	329037	20.0
3-(2-Hydroxyeth...	13.771	7.8	ng	178281	3	14.846	455529	20.0
Hexaethylene gl...	17.220	8.8	ng	236937	4	17.596	535859	20.0
Phenanthrene, 2...	18.465	7.8	ng	209009	4	17.596	535859	20.0
Phenanthrene, 1...	18.512	9.0	ng	240843	4	17.596	535859	20.0
4H-Cyclopenta[d...	18.659	12.9	ng	345442	4	17.596	535859	20.0
1H-Indene, 2-ph...	18.694	4.3	ng	115276	4	17.596	535859	20.0
Naphthalene, 2-...	18.953	5.4	ng	143902	4	17.596	535859	20.0
9,10-Anthracene...	19.006	6.9	ng	185958	4	17.596	535859	20.0
Tetraethylenegl...	19.211	19.1	ng	512639	4	17.596	535859	20.0
Phenanthrene, 3...	19.370	6.5	ng	174166	4	17.596	535859	20.0
Cyclopenta(def)...	19.523	6.4	ng	170409	4	17.596	535859	20.0
Pyrene, 1-methyl-	20.316	3.9	ng	292232	5	21.897	1504650	20.0
11H-Benzo[b]flu...	20.486	3.9	ng	291595	5	21.897	1504650	20.0
Pentaethylene g...	20.762	12.7	ng	958465	5	21.897	1504650	20.0
11H-Benzo[a]flu...	21.268	3.2	ng	239973	5	21.897	1504650	20.0
Heptaethylene g...	22.325	14.0	ng	1050190	5	21.897	1504650	20.0
2-[2-[2-[2-[2-[...	24.482	41.8	ng	799416	6	25.304	382809	20.0
Benzo[e]pyrene	24.993	33.8	ng	647063	6	25.304	382809	20.0