LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
Data File : BG055769.D
Acq On : 24 Nov 2022 00:25
Operator : CG/JU
Sample : N5745-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PAT-01-112122

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-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG055769.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.287	334	340	349	rBV	105849	164135	1.76%	0.174%
2	5.769	414	422	435	rBV	480156	784809	8.41%	0.832%
3	7.385	688	697	712	rBV	467175	820339	8.79%	0.870%
4	8.237	836	842	849	rVB	148910	248758	2.67%	0.264%
5	9.406	1033	1041	1052	rVB	282448	518004	5.55%	0.549%
6	11.063	1316	1323	1328	rBV	201057	368598	3.95%	0.391%
7	11.116	1328	1332	1339	rVB	77245	134834	1.44%	0.143%
8	12.702	1595	1602	1608	rBV	81831	131278	1.41%	0.139%
9	12.919	1629	1639	1648	rVB	88495	161020	1.73%	0.171%
10	13.484	1728	1735	1745	rVB	795559	1205529	12.92%	1.278%
11	14.042	1817	1830	1836	rBV2	60255	163642	1.75%	0.173%
12	14.183	1845	1854	1859	rBV2	121112	218797	2.34%	0.232%
13	14.236	1859	1863	1869	rVB	70221	106773	1.14%	0.113%
14	14.588	1918	1923	1937	rBV2	75921	161122	1.73%	0.171%
15	14.864	1965	1970	1975	rVV	297728	482439	5.17%	0.511%
16	14.923	1975	1980	1987	rVV	477585	758164	8.13%	0.804%
17	15.258	2030	2037	2043	rVB	281013	486798	5.22%	0.516%
18	15.323	2043	2048	2055	rBV	64810	98080	1.05%	0.104%
19	15.469	2066	2073	2077	rBV2	68291	128624	1.38%	0.136%
20	15.904	2140	2147	2156	rVB	662937	1049962	11.25%	1.113%
21	16.028	2164	2168	2171	rVV	67673	113262	1.21%	0.120%
22	16.063	2171	2174	2179	rVB3	74099	102995	1.10%	0.109%
23	16.192	2191	2196	2204	rVB	143671	255437	2.74%	0.271%
24	16.345	2215	2222	2229	rVB	691551	1115775	11.96%	1.183%
25	16.574	2256	2261	2271	rVB3	70658	152961	1.64%	0.162%
26	16.903	2306	2317	2321	rBV2	176703	382660	4.10%	0.406%
27	16.950	2321	2325	2331	rVB2	83273	135553	1.45%	0.144%
28	17.056	2338	2343	2347	rVB2	89178	145724	1.56%	0.154%
29	17.126	2347	2355	2359	rBV4	78604	185217	1.98%	0.196%
30	17.167	2359	2362	2371	rVV3	76542	147619	1.58%	0.157%
31	17.256	2372	2377	2384	rVB3	76209	135714	1.45%	0.144%
32	17.326	2384	2389	2395	rBV2	96882	181493	1.95%	0.192%
33	17.420	2400	2405	2413	rVB	267062	431373	4.62%	0.457%
34	17.608	2431	2437	2439	rBV	337300	544876	5.84%	0.578%
35	17.655	2439	2445	2451	rVV	3072391	4970296	53.27%	5.270%
36	17.743	2451	2460	2464	rVV	1015045	1620631	17.37%	1.718%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
Data File : BG055769.D
Acq On : 24 Nov 2022 00:25
Operator : CG/JU
Sample : N5745-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

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-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.790	2465	2468	2473	rVB	107615	170747	1.83%	0.181%
38	18.002	2498	2504	2512	rBV	299812	544304	5.83%	0.577%
39	18.113	2519	2523	2527	rBV	105052	144193	1.55%	0.153%
40	18.184	2530	2535	2541	rVB	140758	226928	2.43%	0.241%
41	18.325	2554	2559	2567	rVB	104045	206223	2.21%	0.219%
42	18.478	2579	2585	2589	rBV	569617	925285	9.92%	0.981%
43	18.525	2589	2593	2599	rVB	770828	1128981	12.10%	1.197%
44	18.607	2601	2607	2612	rBV	311039	465581	4.99%	0.494%
45	18.677	2612	2619	2622	rBV3	1113940	2089895	22.40%	2.216%
46	18.865	2646	2651	2655	rBV3	68693	117722	1.26%	0.125%
47	18.965	2663	2668	2672	rBV	455967	674748	7.23%	0.715%
48	19.012	2672	2676	2684	rVB2	236155	368378	3.95%	0.391%
49	19.206	2701	2709	2713	rBV3	152186	287597	3.08%	0.305%
50	19.259	2713	2718	2721	rBV	188772	249196	2.67%	0.264%
51	19.294	2721	2724	2728	rVB2	175828	230172	2.47%	0.244%
52	19.377	2732	2738	2743	rBV	437263	796916	8.54%	0.845%
53	19.441	2744	2749	2753	rBV3	161788	290995	3.12%	0.309%
54	19.529	2758	2764	2776	rVB4	275656	668230	7.16%	0.708%
55	19.659	2777	2786	2791	rBV	4808023	8507122	91.17%	9.019%
56	19.700	2791	2793	2796	rVV	130782	169140	1.81%	0.179%
57	19.741	2796	2800	2804	rVB2	210560	305674	3.28%	0.324%
58	19.888	2820	2825	2835	rVB2	315351	631717	6.77%	0.670%
59	20.023	2835	2848	2853	rBV2	4302730	9331115	100.00%	9.893%
60	20.070	2853	2856	2862	rVB	379371	541171	5.80%	0.574%
61	20.187	2870	2876	2881	rVB2	1330930	1896639	20.33%	2.011%
62	20.246	2881	2886	2892	rVB	267041	472866	5.07%	0.501%
63	20.328	2892	2900	2905	rBV2	503938	1260543	13.51%	1.336%
64	20.381	2905	2909	2913	rBV	100577	148874	1.60%	0.158%
65	20.493	2916	2928	2933	rVB	1174571	2482630	26.61%	2.632%
66	20.593	2940	2945	2949	rBV	1068793	1502578	16.10%	1.593%
67	20.652	2949	2955	2959	rVV2	616153	1125661	12.06%	1.193%
68	20.687	2959	2961	2964	rVB	158709	160434	1.72%	0.170%
69	20.793	2975	2979	2983	rBV	421970	607690	6.51%	0.644%
70	20.840	2983	2987	2995	rVB	441245	721877	7.74%	0.765%
71	21.092	3027	3030	3033	rBV3	134869	186286	2.00%	0.198%
72	21.222	3048	3052	3056	rBV2	174008	308328	3.30%	0.327%
73	21.274	3057	3061	3067	rVB2	314966	536123	5.75%	0.568%
74	21.468	3089	3094	3097	rBV	431792	678608	7.27%	0.719%
75	21.509	3097	3101	3105	rVB	459278	712569	7.64%	0.755%
76	21.562	3105	3110	3115	rBV2	582940	963306	10.32%	1.021%

LSC Area Percent Report

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Acq On : 24 Nov 2022 00:25
Operator : CG/JU
Sample : N5745-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

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
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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.891	3156	3166	3172	rBV2	2690348	6275783	67.26%	6.654%
78	21.962	3173	3178	3189	rVB	2379983	4783770	51.27%	5.072%
79	22.120	3199	3205	3211	rBV	650328	1179888	12.64%	1.251%
80	22.185	3212	3216	3222	rVV3	180187	338115	3.62%	0.358%
81	22.332	3235	3241	3248	rBV2	377366	804381	8.62%	0.853%
82	22.667	3290	3298	3304	rVV	472357	1141859	12.24%	1.211%
83	22.743	3308	3311	3319	rVB	262221	469606	5.03%	0.498%
84	22.896	3334	3337	3343	rVB2	205624	367501	3.94%	0.390%
85	22.961	3344	3348	3352	rBV	236121	434789	4.66%	0.461%
86	23.102	3367	3372	3379	rVB3	230829	509603	5.46%	0.540%
87	24.259	3556	3569	3575	rBV	1649218	6366491	68.23%	6.750%
88	24.512	3606	3612	3623	rVB	380802	983262	10.54%	1.042%
89	25.017	3690	3698	3713	rVB2	873015	3062179	32.82%	3.247%
90	25.187	3716	3727	3738	rVB	1434426	4549687	48.76%	4.824%
91	25.411	3761	3765	3780	rVB2	474535	1402522	15.03%	1.487%

Sum of corrected areas: 94319769

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
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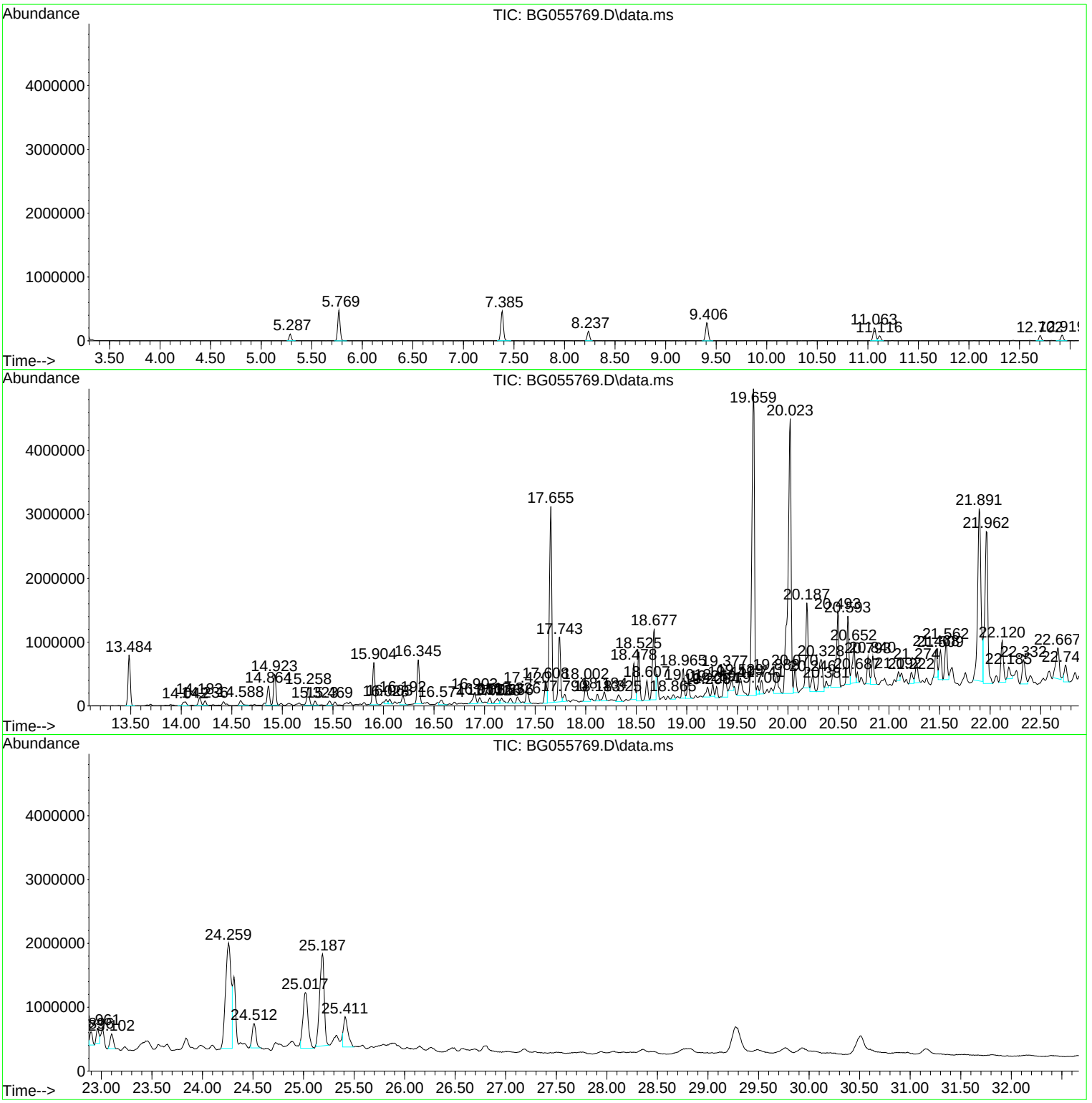
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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\BG112322\
Data File : BG055769.D
Acq On : 24 Nov 2022 00:25
Operator : CG/JU
Sample : N5745-01
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

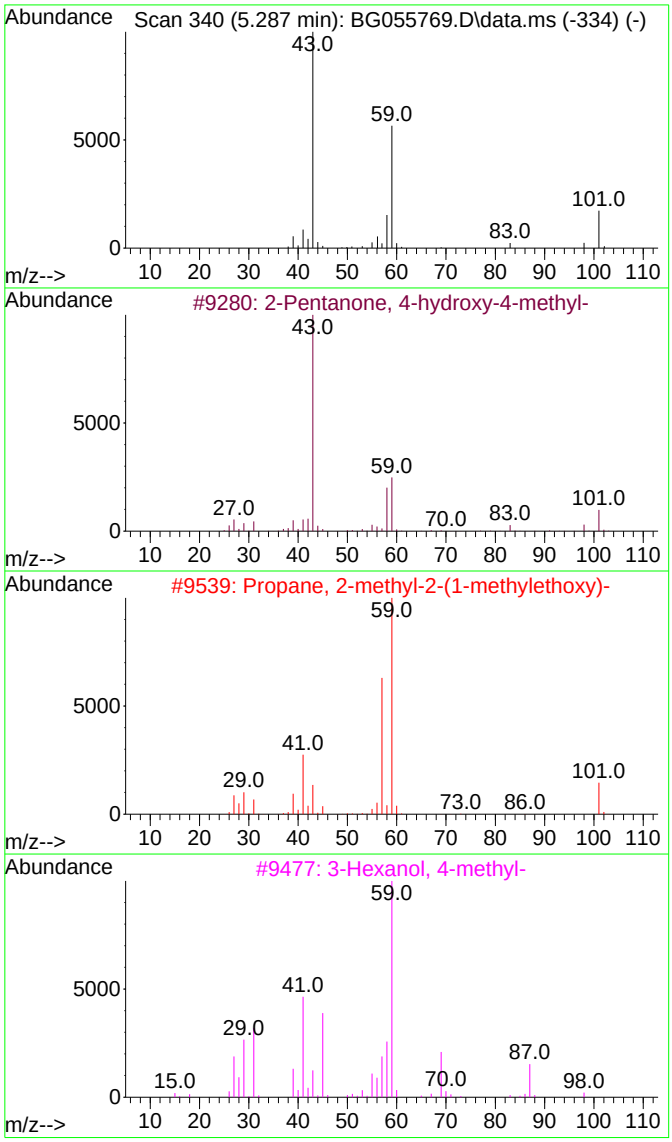
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

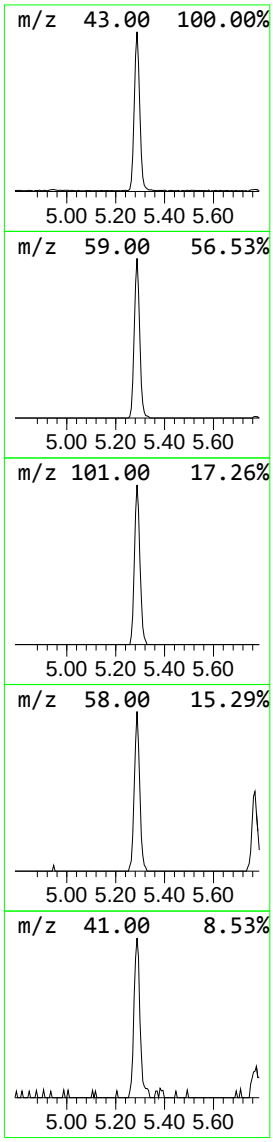
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.287	13.20 ng	164135	1,4-Dichlorobenzene-d4	8.237

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	3-Hexanol	102	C6H14O	000623-37-0	33
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
Data File : BG055769.D
Acq On : 24 Nov 2022 00:25
Operator : CG/JU
Sample : N5745-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

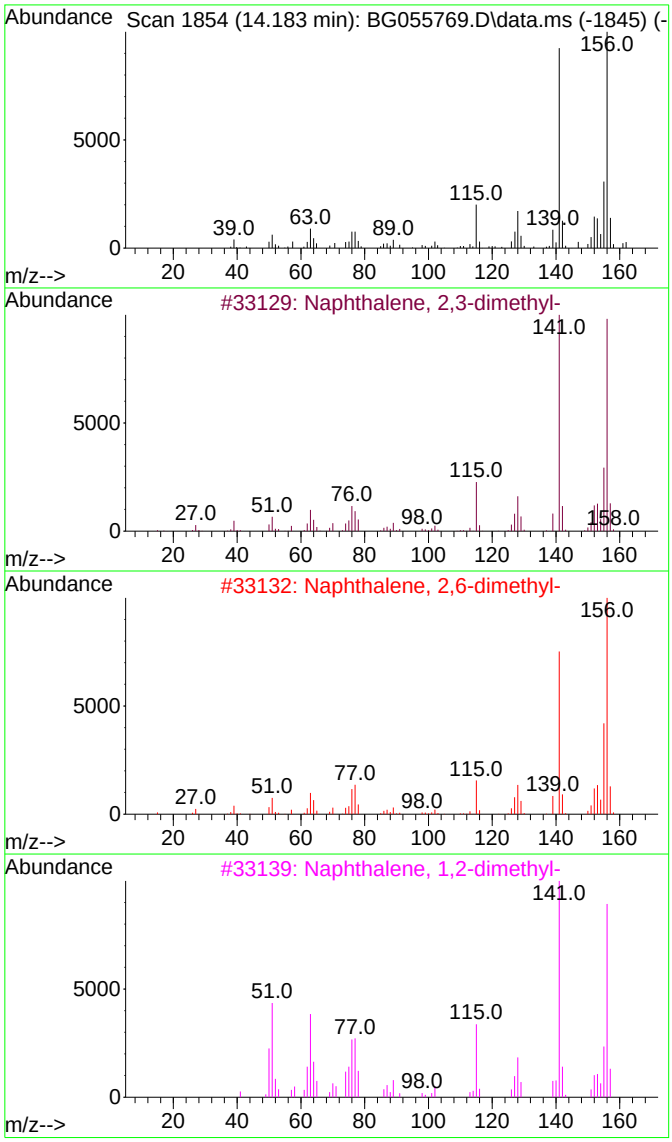
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

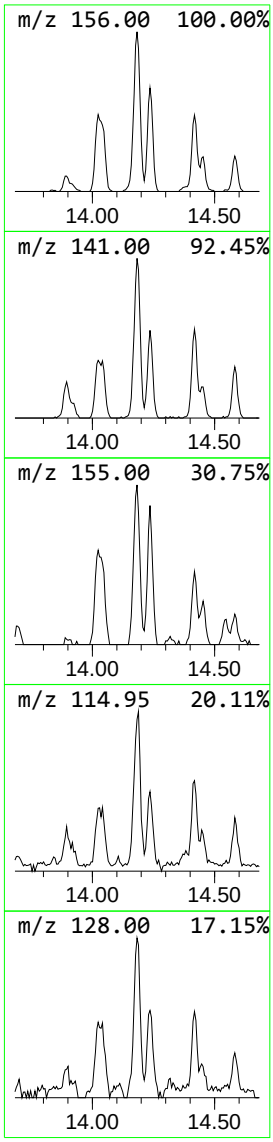
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.183	9.07 ng	218797	Acenaphthene-d10	14.864

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
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Sample : N5745-01
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Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

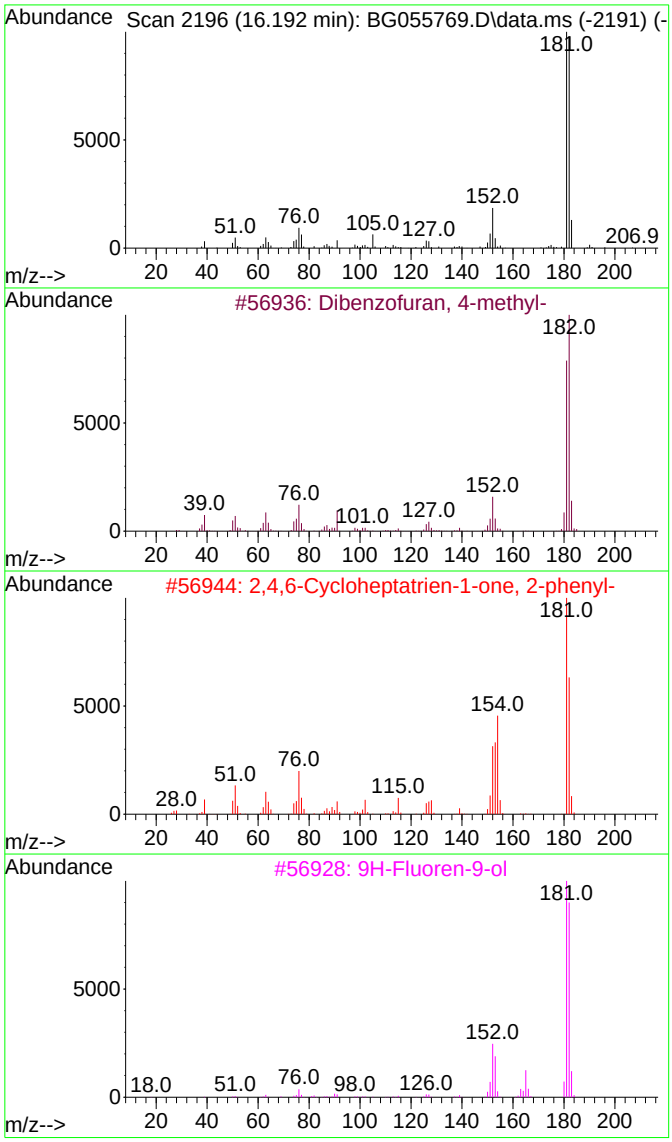
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

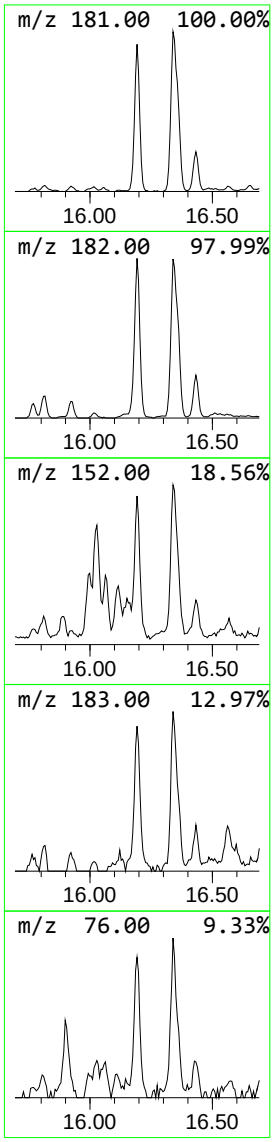
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.192	10.59 ng	255437	Acenaphthene-d10	14.864

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
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Acq On : 24 Nov 2022 00:25
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Sample : N5745-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

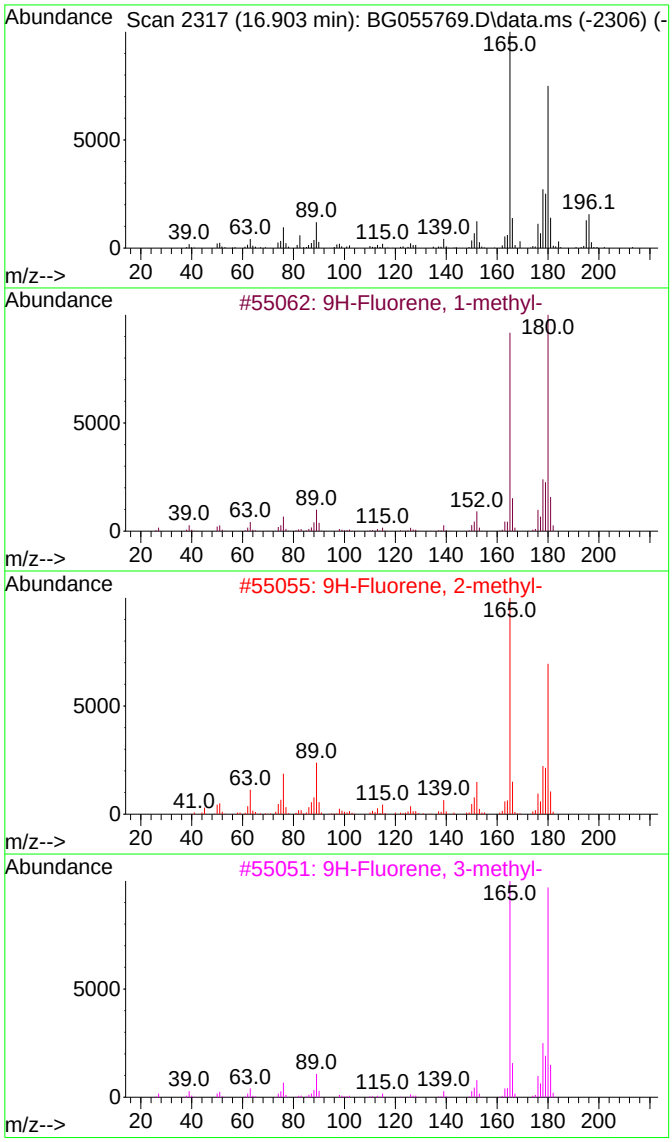
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

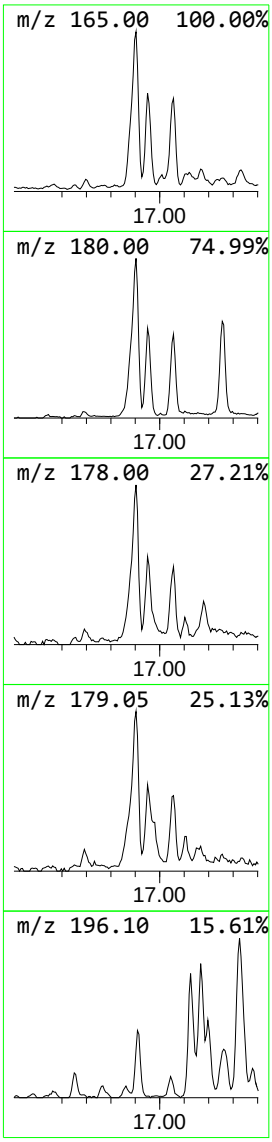
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.903	14.05 ng	382660	Phenanthrene-d10	17.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
Data File : BG055769.D
Acq On : 24 Nov 2022 00:25
Operator : CG/JU
Sample : N5745-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

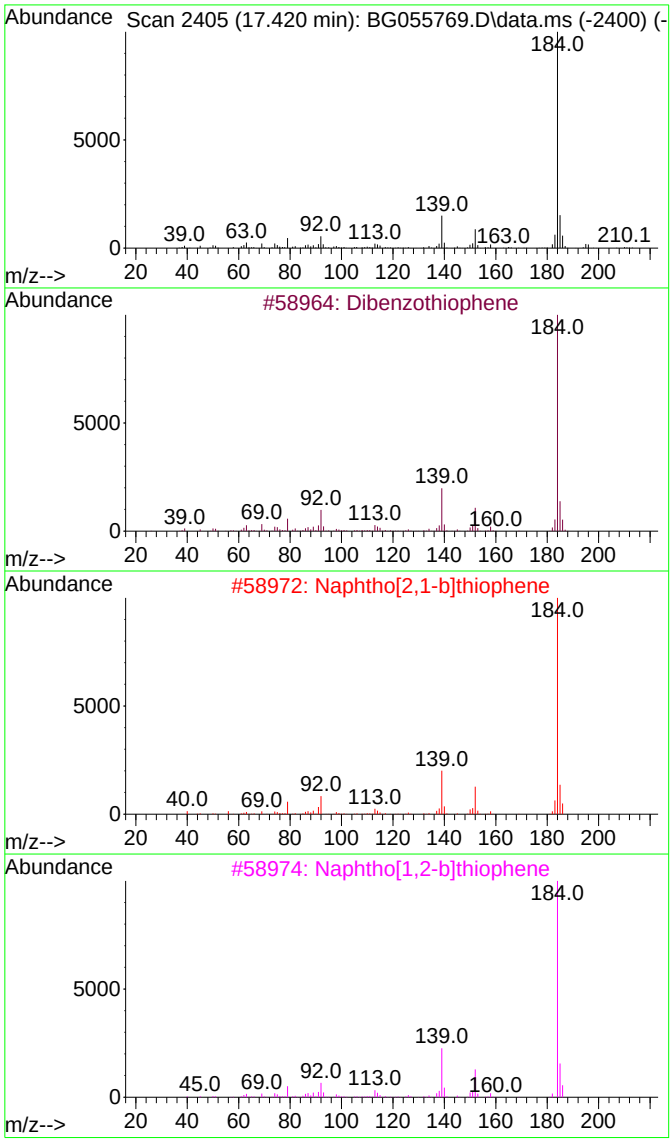
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

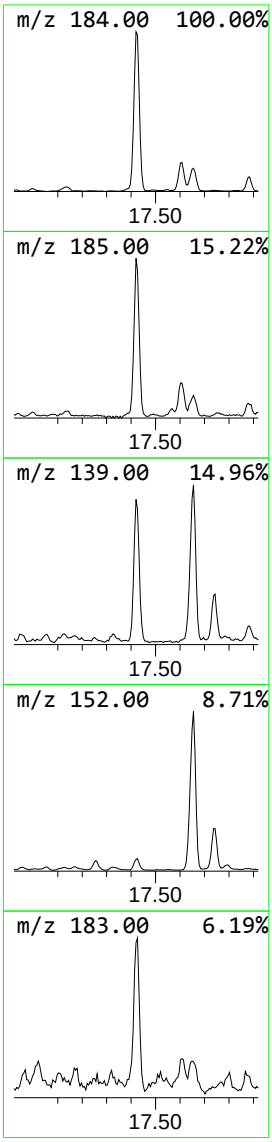
****

Peak Number 5 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.420	15.83 ng	431373	Phenanthrene-d10	17.608

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	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Data File : BG055769.D
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Operator : CG/JU
Sample : N5745-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

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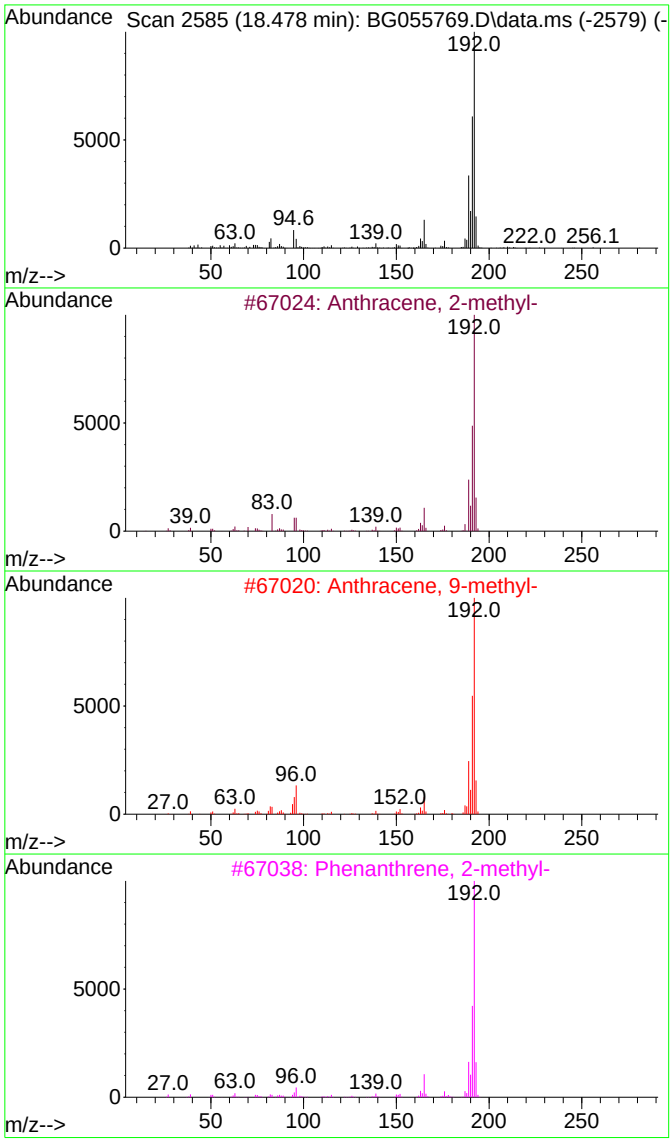
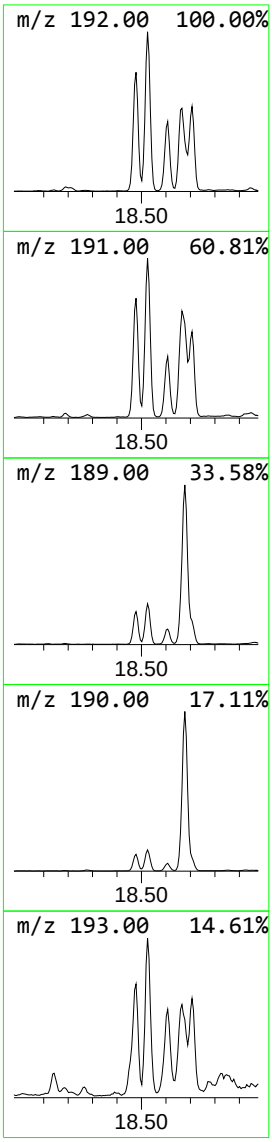
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.478	33.96 ng	925285	Phenanthrene-d10	17.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Operator : CG/JU
Sample : N5745-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAT-01-112122

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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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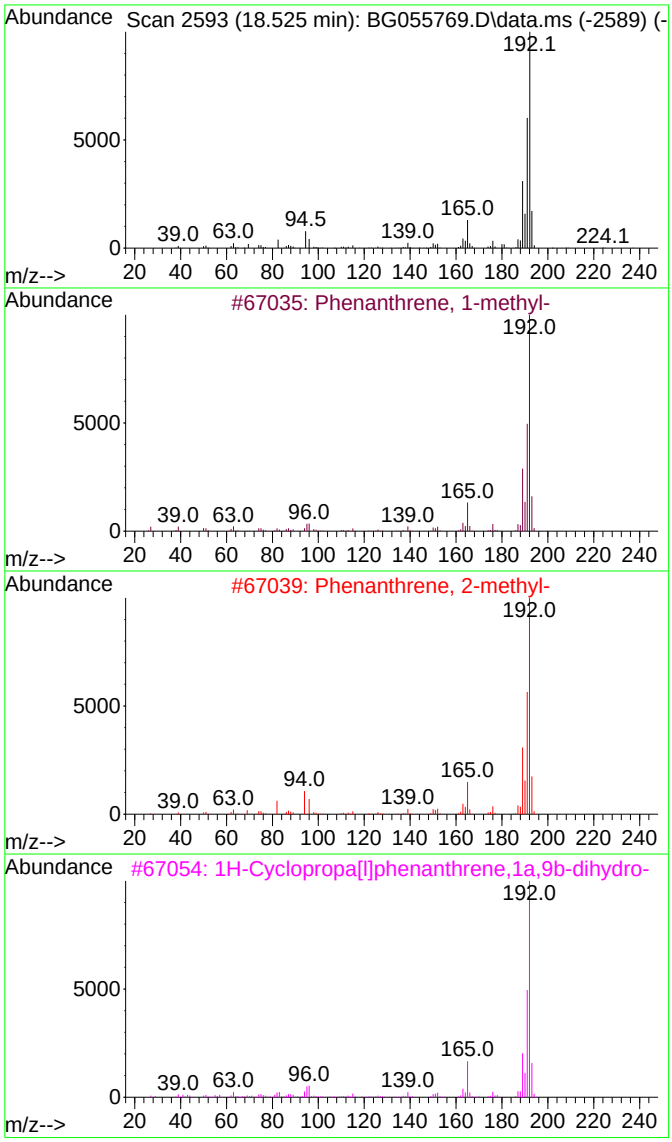
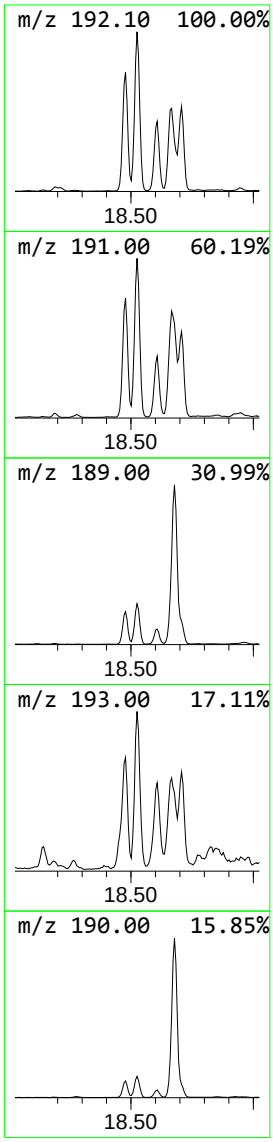
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.525	41.44 ng	1128980	Phenanthrene-d10	17.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

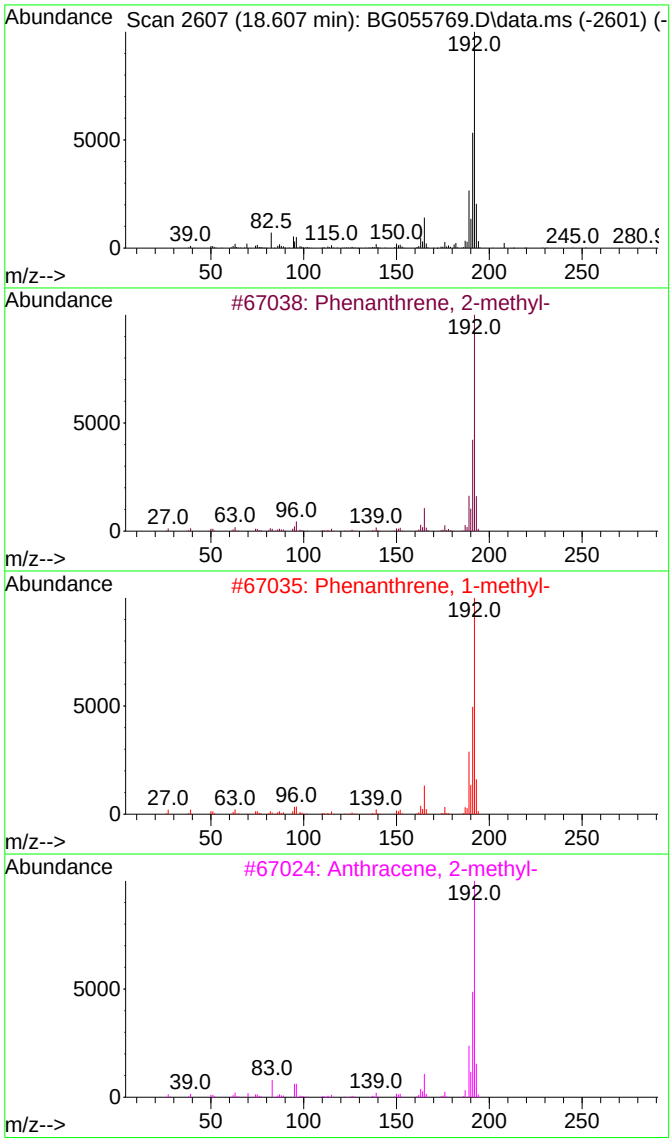
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

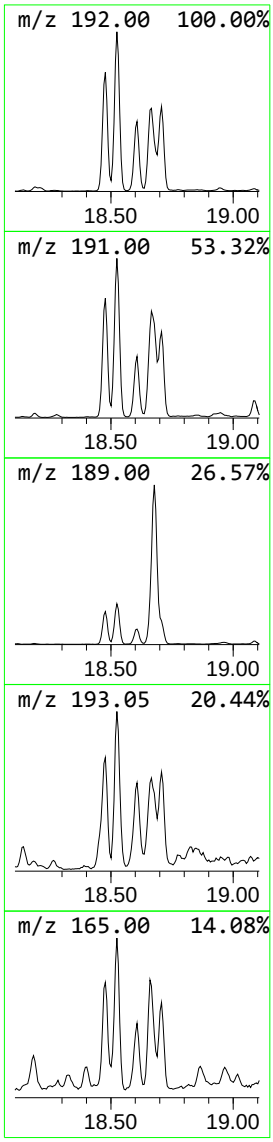
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.607	17.09 ng	465581	Phenanthrene-d10	17.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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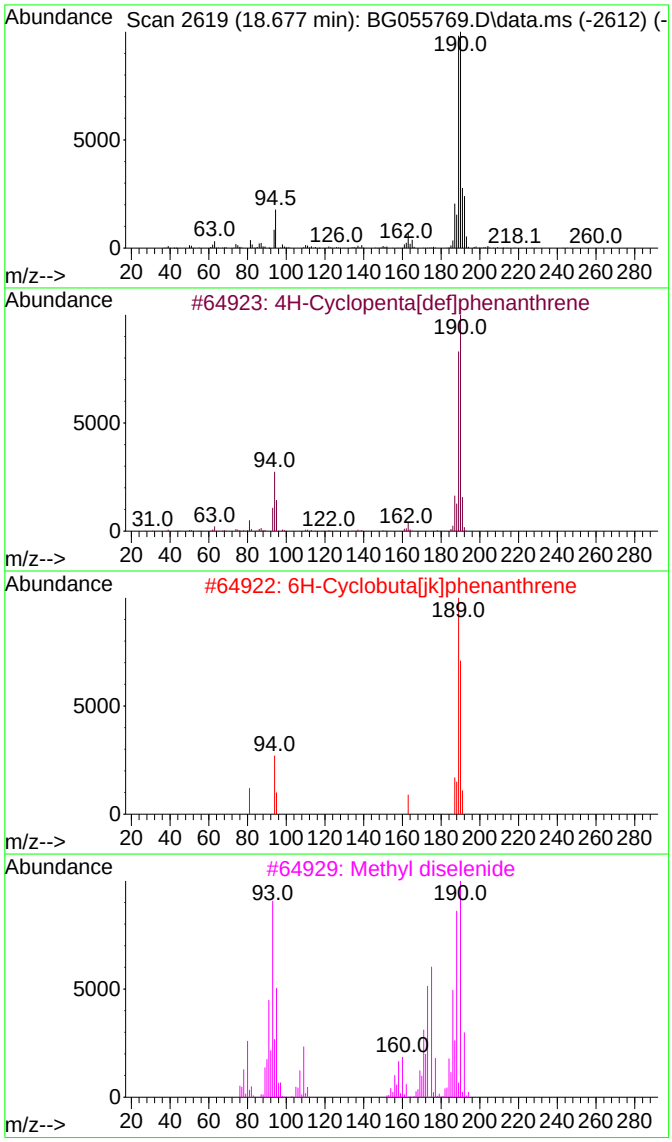
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

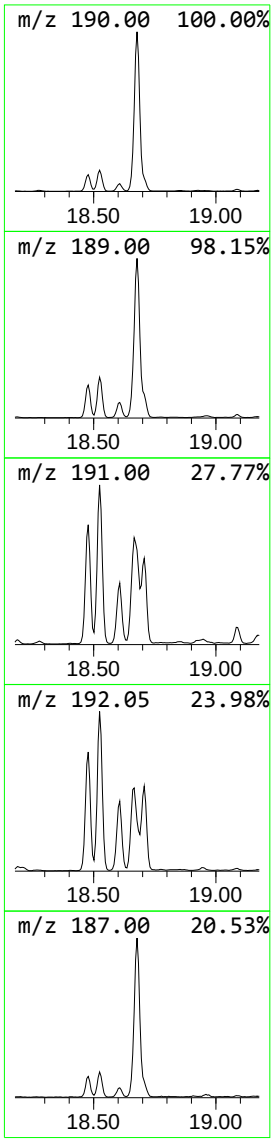
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.677	76.71 ng	2089900	Phenanthrene-d10	17.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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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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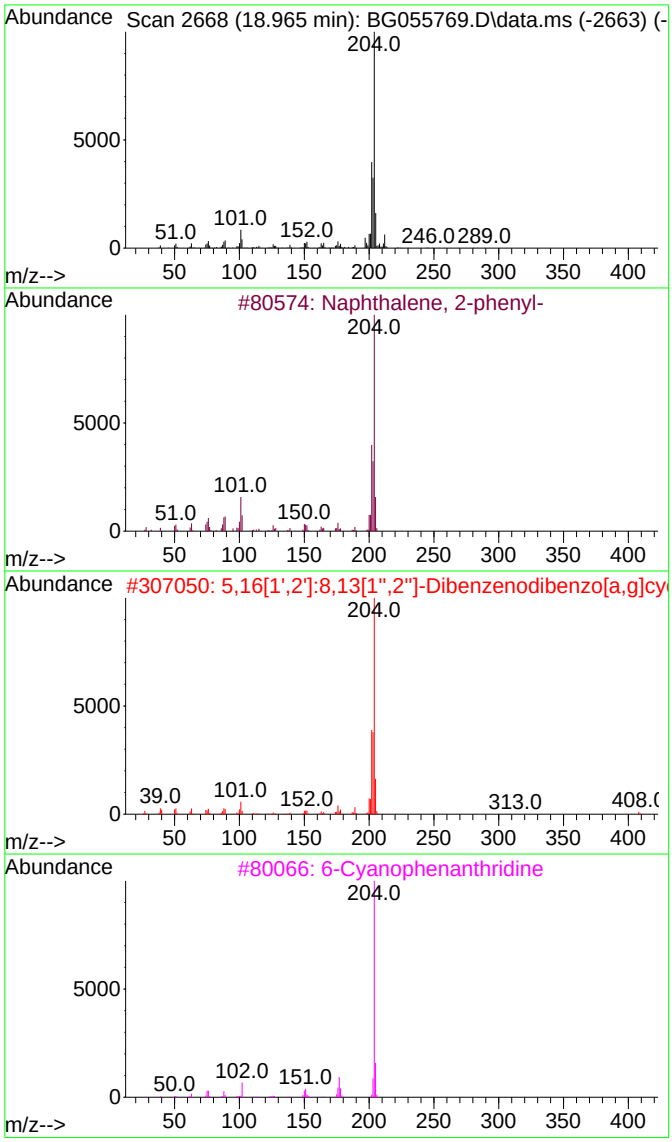
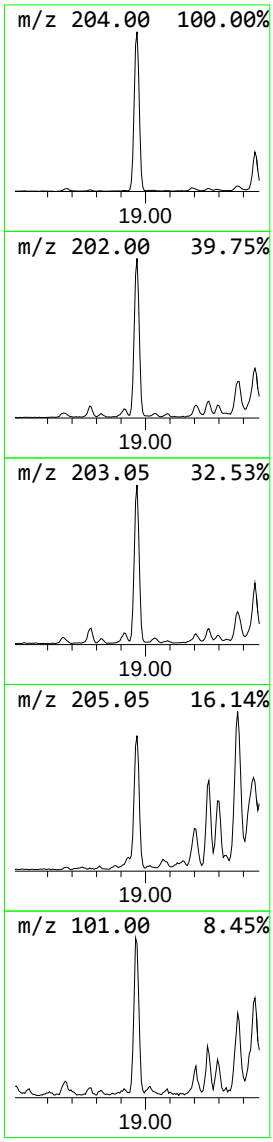
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.965	24.77 ng	674748	Phenanthrene-d10	17.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	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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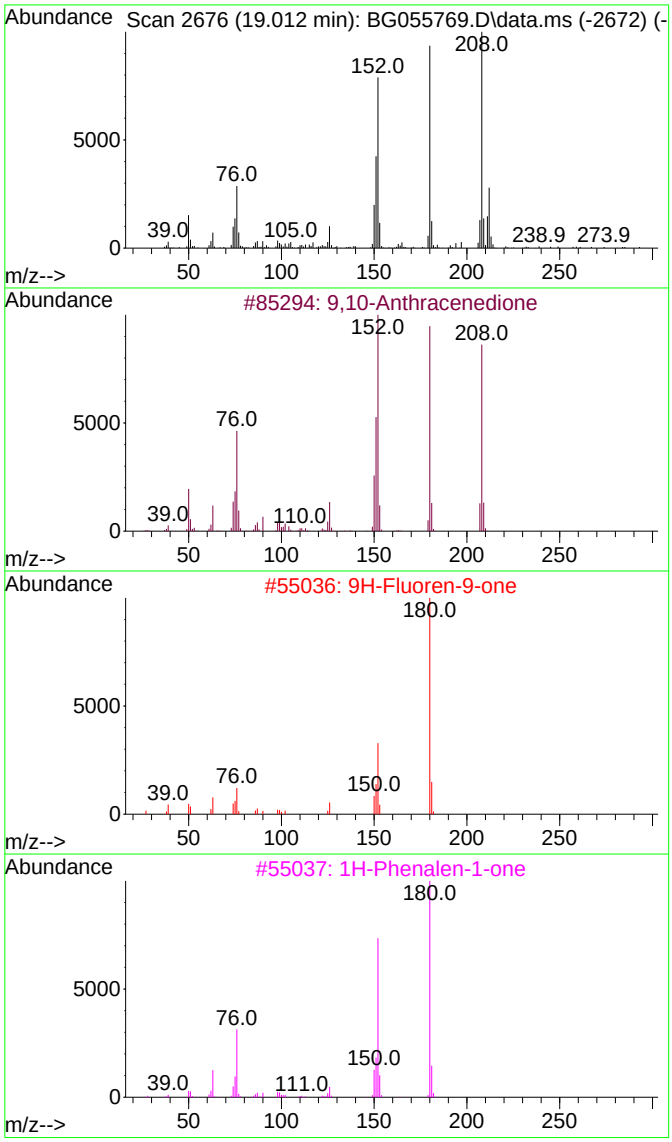
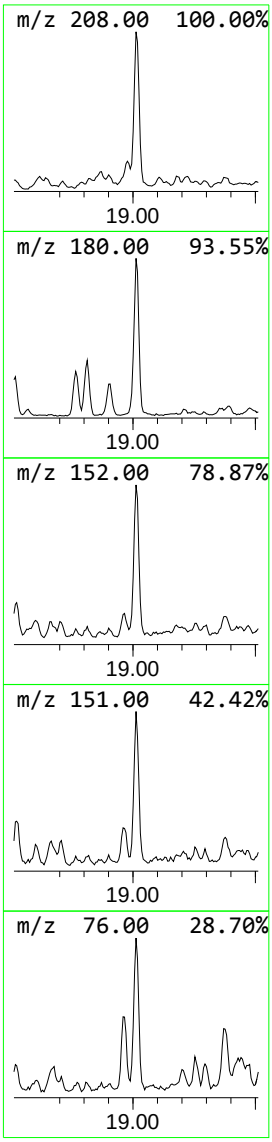
Peak Number 11 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.012	13.52 ng	368378	Phenanthrene-d10	17.608

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	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	Diphenic anhydride	224	C14H8O3	006050-13-1	46





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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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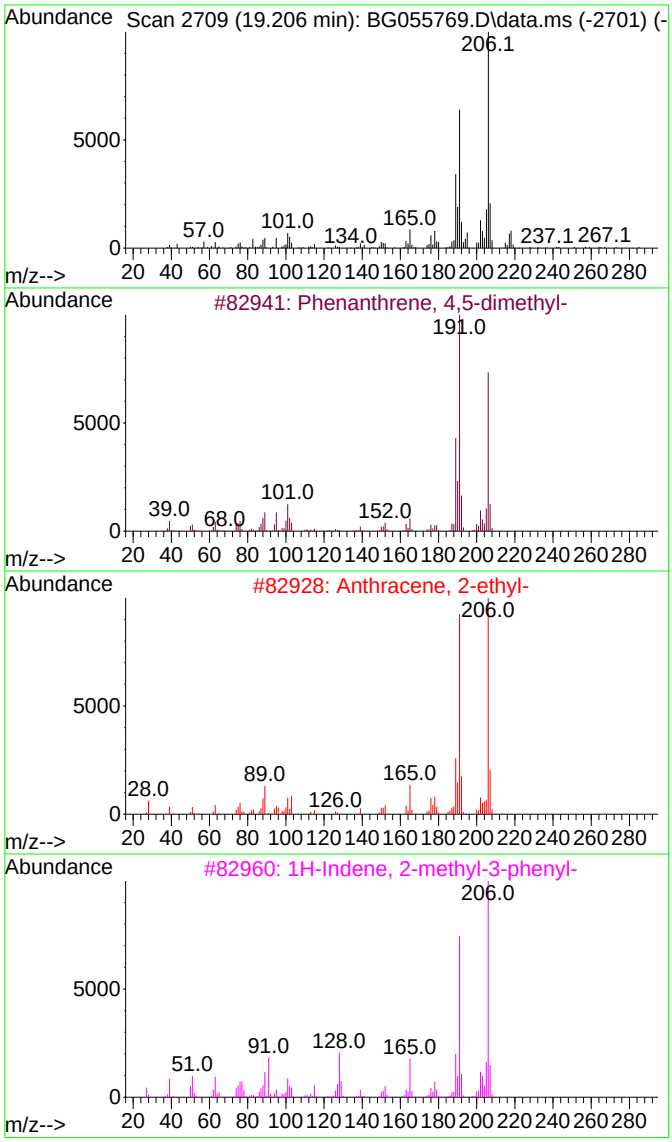
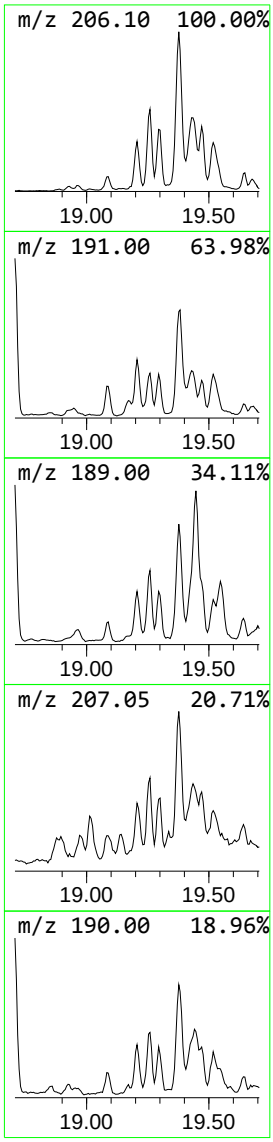
Peak Number 12 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.206	10.56 ng	287597	Phenanthrene-d10	17.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90





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Sample : N5745-01
Misc :
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Instrument :
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ClientSampleId :
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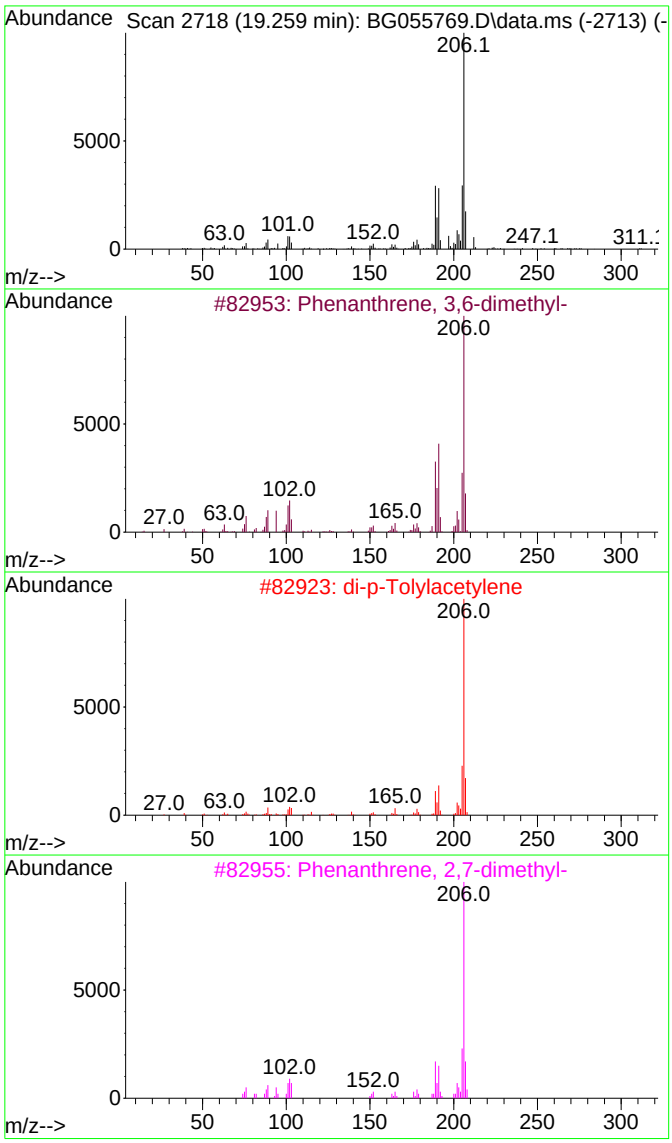
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

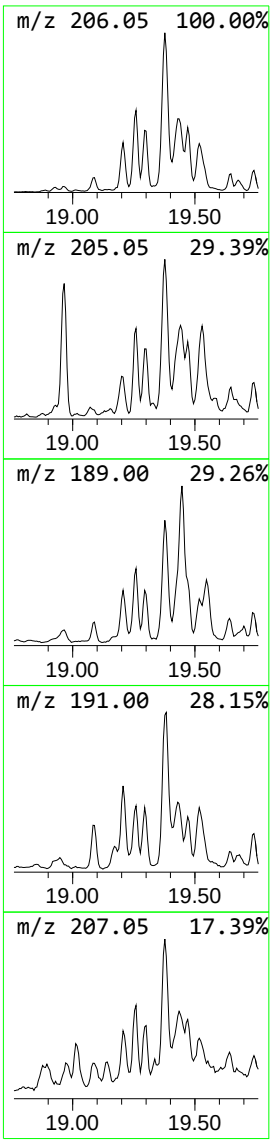
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.259	9.15 ng	249196	Phenanthrene-d10	17.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	74





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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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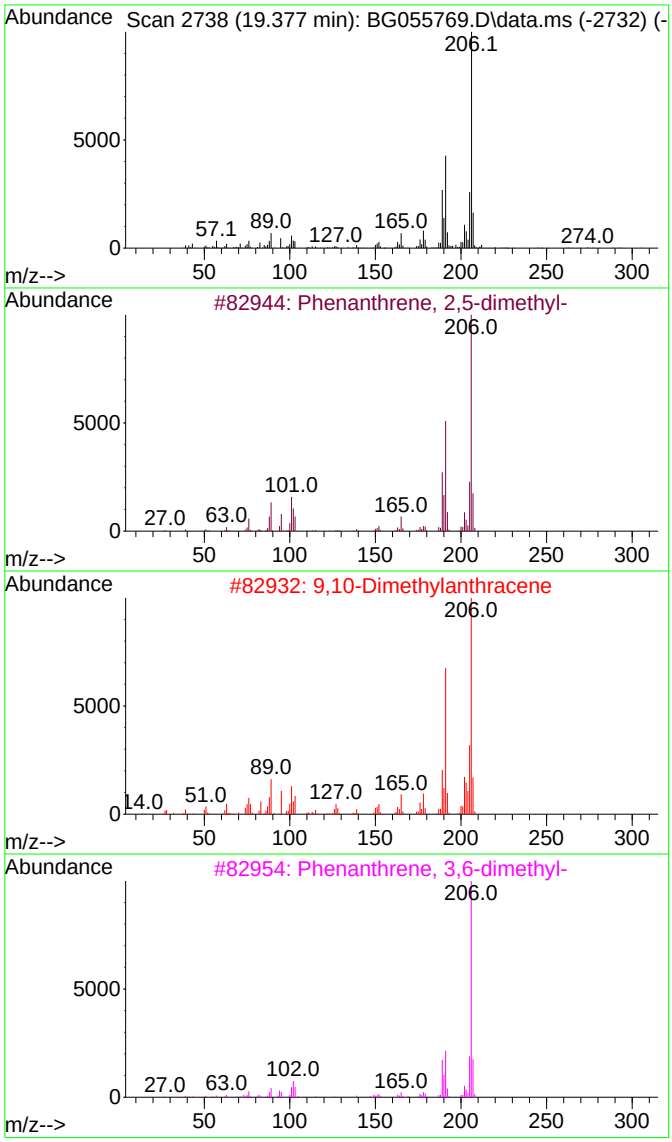
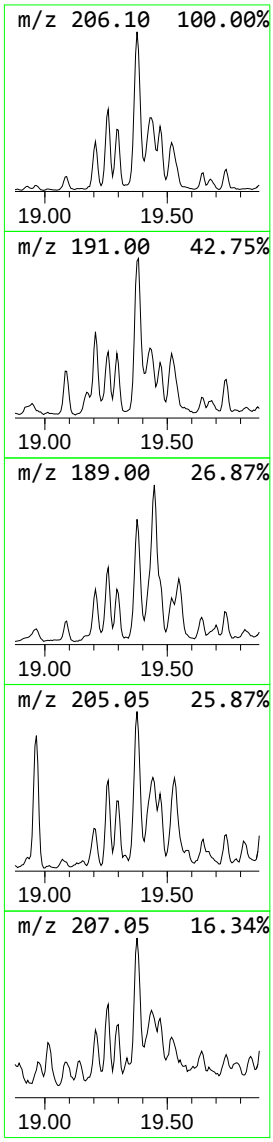
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.377	29.25 ng	796916	Phenanthrene-d10	17.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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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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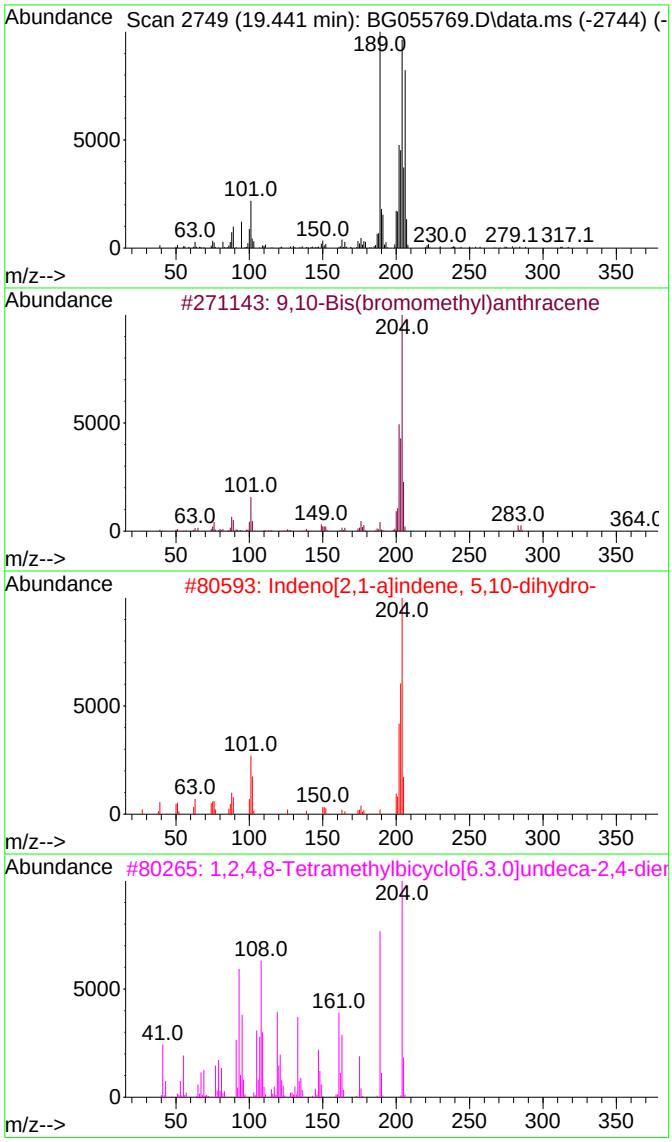
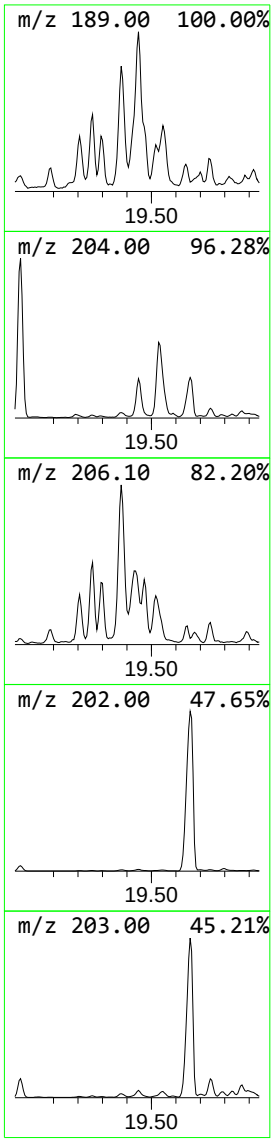
Peak Number 15 unknown19.441 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.441	10.68 ng	290995	Phenanthrene-d10	17.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35





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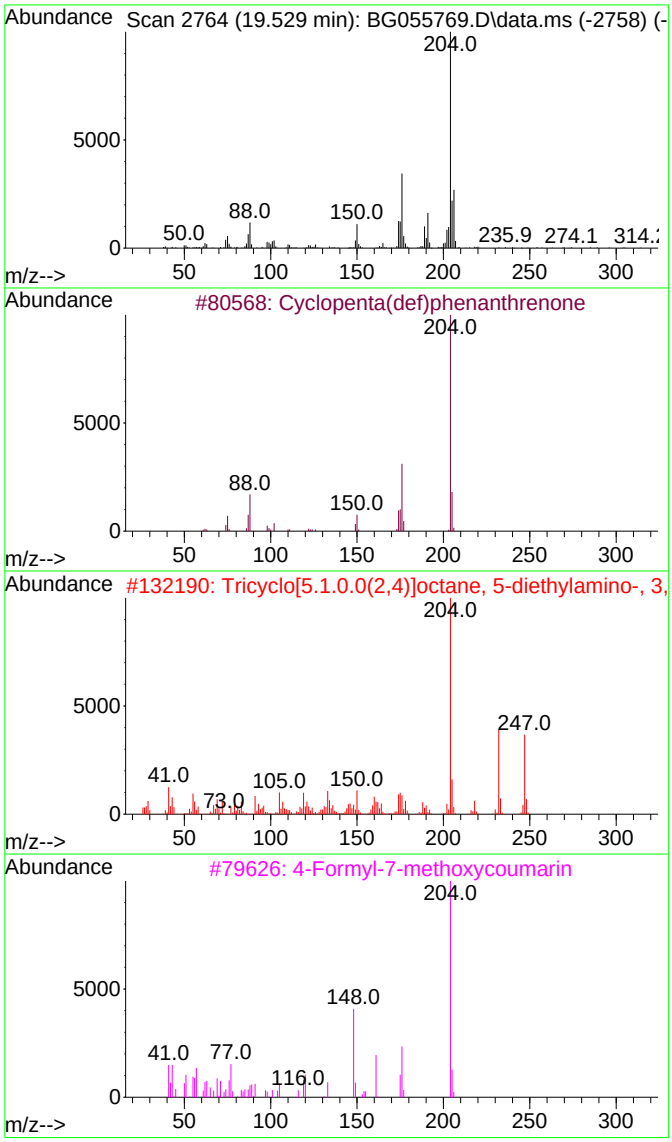
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

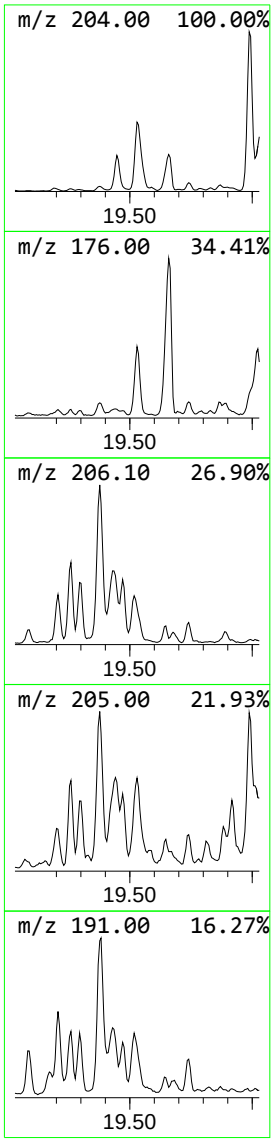
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.529	24.53 ng	668230	Phenanthrene-d10	17.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
3	4-Formyl-7-methoxycoumarin	204	C11H8O4	1000429-03-0	47
4	L-Rhamnose, 4TMS derivative	452	C18H44O5Si4	019127-15-2	47
5	.alpha.-L-6-Deoxymannopyranose, ...	452	C18H44O5Si4	055057-21-1	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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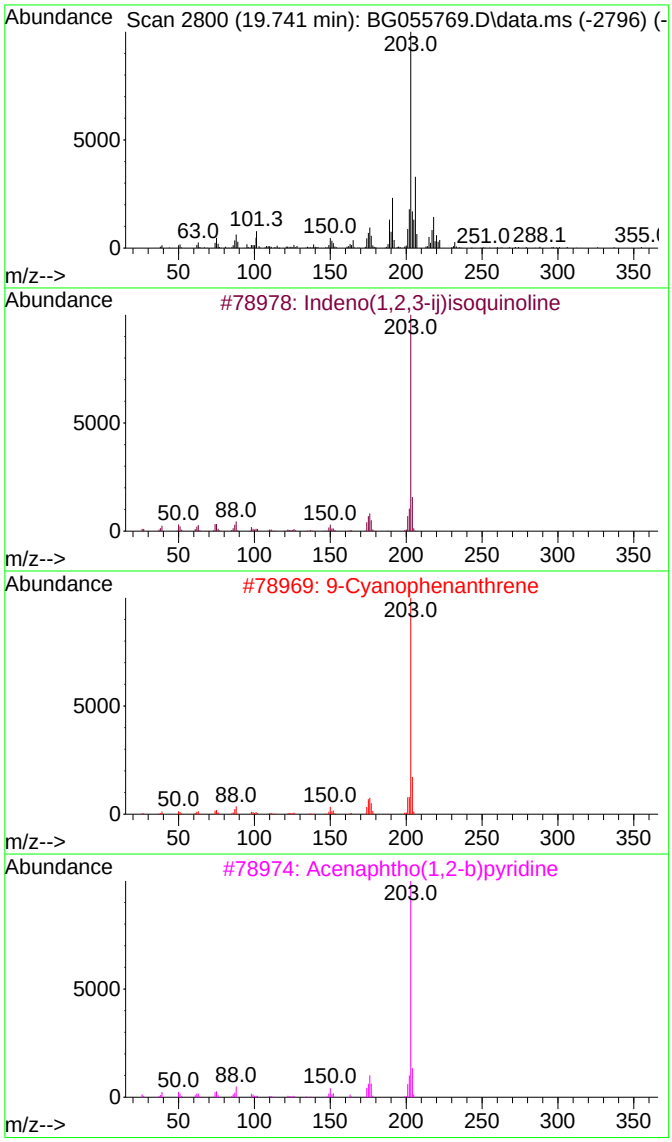
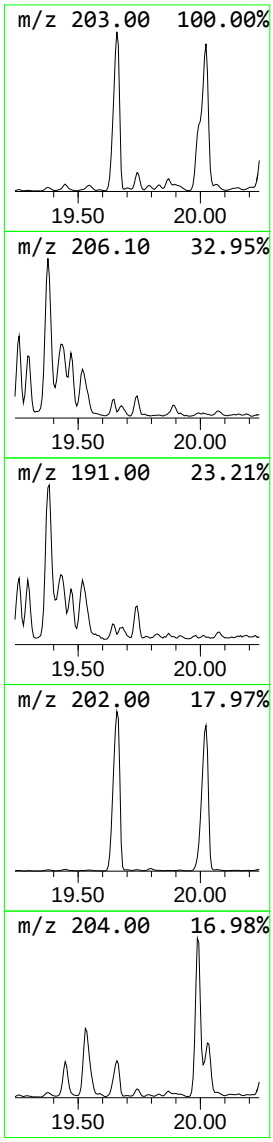
Peak Number 17 Indeno(1,2,3-ij)isoquinoline Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.741	11.22 ng	305674	Phenanthrene-d10	17.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	90
2	9-Cyanophenanthrene	203	C15H9N	002510-55-6	90
3	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	87
4	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	55
5	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
Data File : BG055769.D
Acq On : 24 Nov 2022 00:25
Operator : CG/JU
Sample : N5745-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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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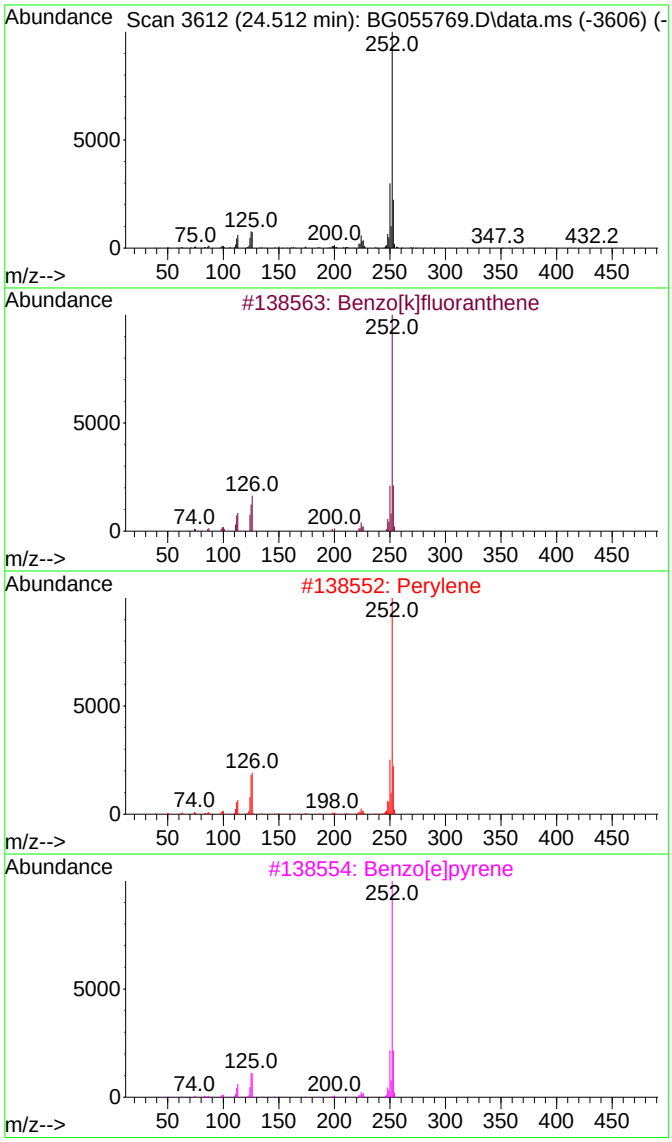
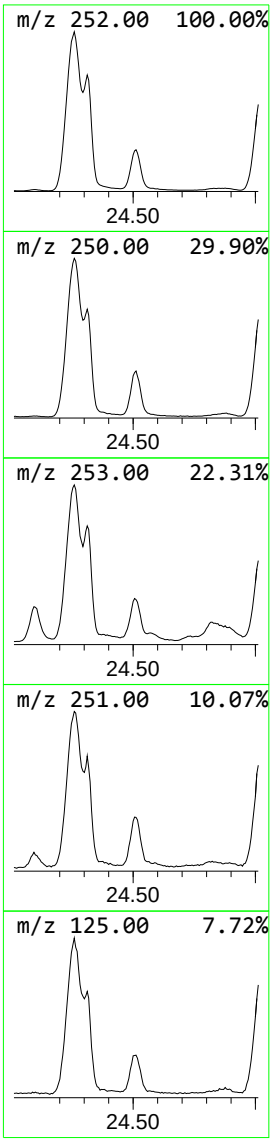
Peak Number 18 Perylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.512	14.02 ng	983262	Perylene-d12	25.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
Data File : BG055769.D
Acq On : 24 Nov 2022 00:25
Operator : CG/JU
Sample : N5745-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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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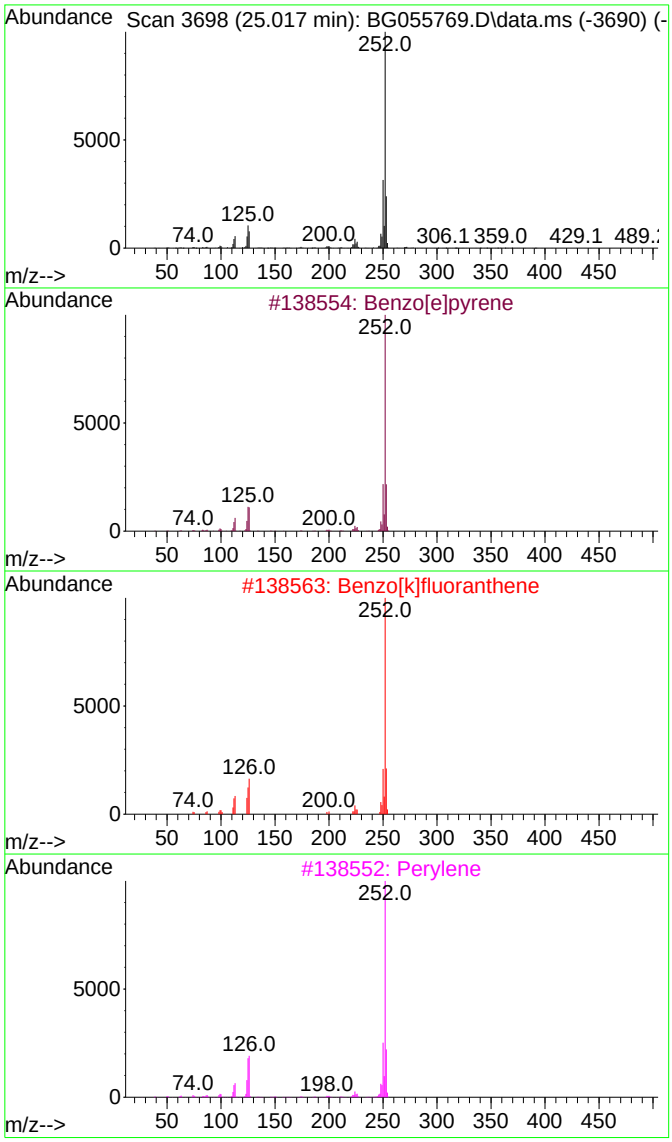
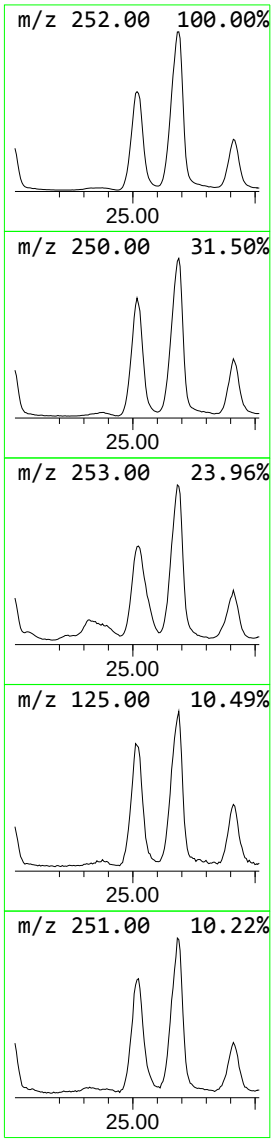
Peak Number 19 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.017	43.67 ng	3062180	Perylene-d12	25.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
Data File : BG055769.D
Acq On : 24 Nov 2022 00:25
Operator : CG/JU
Sample : N5745-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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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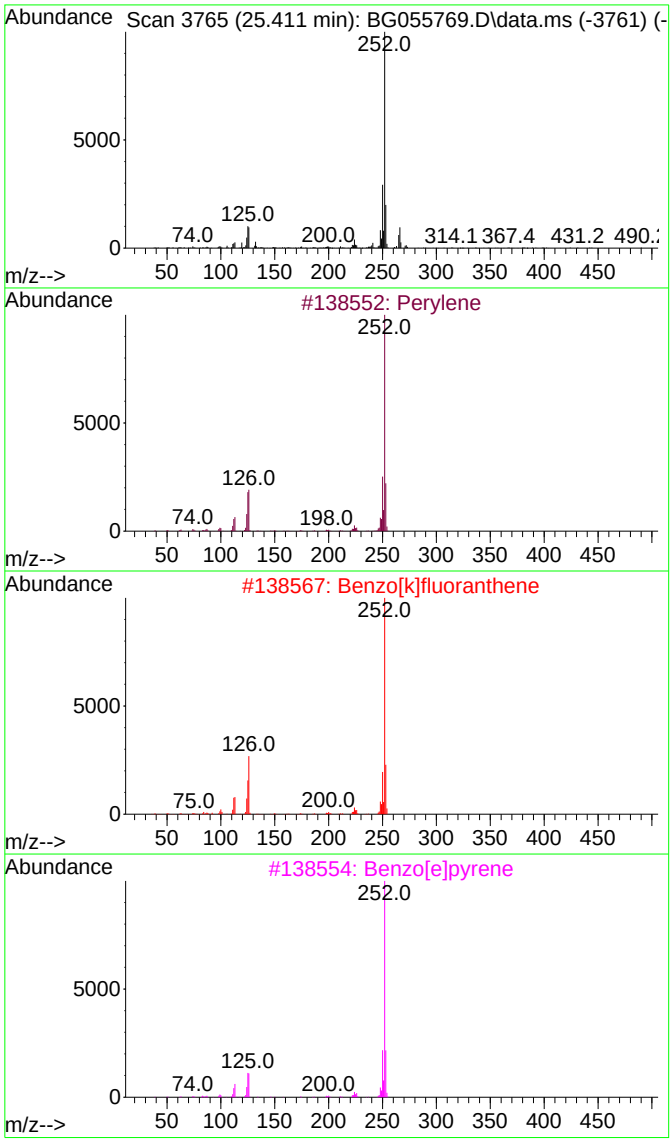
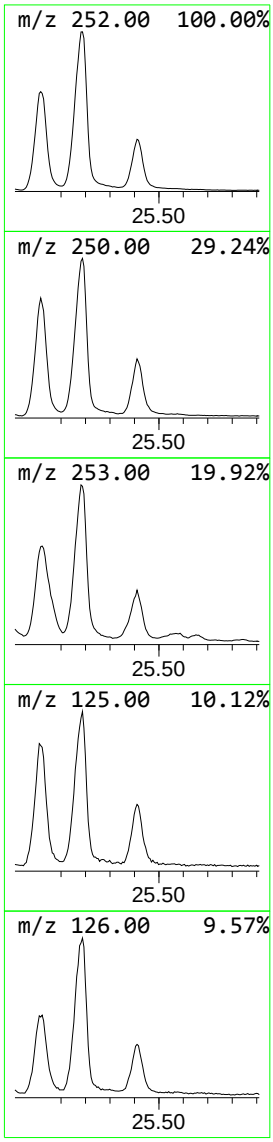
Peak Number 20 unknown25.411 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.411	20.00 ng	1402520	Perylene-d12	25.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	89
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
Data File : BG055769.D
Acq On : 24 Nov 2022 00:25
Operator : CG/JU
Sample : N5745-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.287	13.2	ng	164135	1	8.237	248758	20.0
Naphthalene, 2,...	14.183	9.1	ng	218797	3	14.864	482439	20.0
Dibenzofuran, 4...	16.192	10.6	ng	255437	3	14.864	482439	20.0
9H-Fluorene, 1-...	16.903	14.1	ng	382660	4	17.608	544876	20.0
Dibenzothiophene	17.420	15.8	ng	431373	4	17.608	544876	20.0
Anthracene, 2-m...	18.478	34.0	ng	925285	4	17.608	544876	20.0
Phenanthrene, 1...	18.525	41.4	ng	1128980	4	17.608	544876	20.0
Phenanthrene, 2...	18.607	17.1	ng	465581	4	17.608	544876	20.0
4H-Cyclopenta[d...	18.677	76.7	ng	2089900	4	17.608	544876	20.0
Naphthalene, 2-...	18.965	24.8	ng	674748	4	17.608	544876	20.0
9,10-Anthracene...	19.012	13.5	ng	368378	4	17.608	544876	20.0
Phenanthrene, 4...	19.206	10.6	ng	287597	4	17.608	544876	20.0
Phenanthrene, 3...	19.259	9.2	ng	249196	4	17.608	544876	20.0
Phenanthrene, 2...	19.377	29.3	ng	796916	4	17.608	544876	20.0
unknown19.441	19.441	10.7	ng	290995	4	17.608	544876	20.0
Cyclopenta(def)...	19.529	24.5	ng	668230	4	17.608	544876	20.0
Indeno(1,2,3-ij...	19.741	11.2	ng	305674	4	17.608	544876	20.0
Perylene	24.512	14.0	ng	983262	6	25.328	1402520	20.0
Benzo[e]pyrene	25.017	43.7	ng	3062180	6	25.328	1402520	20.0
unknown25.411	25.411	20.0	ng	1402520	6	25.328	1402520	20.0