LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
Data File : BG060881.D
Acq On : 12 Apr 2024 19:44
Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

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-BG032924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG060881.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.170	27	31	37	rVB3	35498	64051	1.51%	0.133%
2	5.537	427	434	443	rBV	436871	698270	16.46%	1.451%
3	7.112	694	702	712	rBV	454853	764911	18.03%	1.590%
4	7.952	836	845	852	rBV	246792	407843	9.61%	0.848%
5	9.104	1024	1041	1048	rBV	285740	520294	12.26%	1.081%
6	10.749	1312	1321	1326	rBV	308011	573214	13.51%	1.191%
7	10.796	1326	1329	1335	rVB	36023	62462	1.47%	0.130%
8	12.406	1594	1603	1608	rVB	51038	88449	2.08%	0.184%
9	12.623	1633	1640	1644	rBV	54785	94975	2.24%	0.197%
10	13.205	1731	1739	1744	rBV	709341	1108401	26.13%	2.304%
11	13.416	1770	1775	1780	rBV4	32964	51363	1.21%	0.107%
12	13.745	1825	1831	1839	rBV4	42886	112666	2.66%	0.234%
13	13.904	1851	1858	1863	rBV	89542	155223	3.66%	0.323%
14	13.951	1863	1866	1873	rVB	53914	78535	1.85%	0.163%
15	14.139	1892	1898	1902	rBV	42252	75184	1.77%	0.156%
16	14.304	1919	1926	1931	rBV3	46074	82496	1.94%	0.171%
17	14.492	1954	1958	1962	rVB2	32358	42858	1.01%	0.089%
18	14.580	1964	1973	1978	rVV	517336	836404	19.72%	1.738%
19	14.644	1978	1984	1991	rVB	96387	166979	3.94%	0.347%
20	14.797	2002	2010	2019	rBV6	34285	86519	2.04%	0.180%
21	14.979	2030	2041	2047	rVV2	105091	207798	4.90%	0.432%
22	15.056	2049	2054	2059	rVB	53886	73881	1.74%	0.154%
23	15.203	2071	2079	2083	rBV4	43860	90900	2.14%	0.189%
24	15.250	2083	2087	2092	rVB	39649	63024	1.49%	0.131%
25	15.367	2101	2107	2111	rBV3	28754	59800	1.41%	0.124%
26	15.443	2117	2120	2124	rVB	39616	50231	1.18%	0.104%
27	15.626	2146	2151	2156	rBV	253587	367793	8.67%	0.764%
28	15.849	2184	2189	2192	rBV5	25190	49287	1.16%	0.102%
29	15.925	2197	2202	2211	rVB	59042	124112	2.93%	0.258%
30	16.066	2219	2226	2235	rVB2	681988	1053831	24.84%	2.190%
31	16.307	2262	2267	2271	rBV3	71406	107293	2.53%	0.223%
32	16.636	2313	2323	2327	rBV3	74674	169830	4.00%	0.353%
33	16.683	2327	2331	2337	rVB3	55480	82521	1.95%	0.172%
34	16.783	2343	2348	2353	rVB3	43646	77794	1.83%	0.162%
35	16.977	2376	2381	2389	rVB	70636	121660	2.87%	0.253%
36	17.059	2391	2395	2399	rBV2	28883	54482	1.28%	0.113%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
Data File : BG060881.D
Acq On : 12 Apr 2024 19:44
Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

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-BG032924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.100	2399	2402	2405	rVV	48545	65607	1.55%	0.136%
38	17.147	2405	2410	2420	rVB	122557	226788	5.35%	0.471%
39	17.330	2435	2441	2444	rBV	598476	967188	22.80%	2.010%
40	17.371	2444	2448	2455	rVV	2012544	3016698	71.11%	6.270%
41	17.459	2455	2463	2469	rVB	288765	440719	10.39%	0.916%
42	17.518	2469	2473	2479	rBV3	46963	94059	2.22%	0.195%
43	17.729	2500	2509	2513	rBV	111246	209065	4.93%	0.435%
44	17.847	2525	2529	2534	rBV2	85079	113548	2.68%	0.236%
45	17.911	2535	2540	2548	rVB2	90827	153299	3.61%	0.319%
46	18.011	2554	2557	2560	rBV2	37858	43825	1.03%	0.091%
47	18.052	2560	2564	2571	rVB	57690	107751	2.54%	0.224%
48	18.123	2571	2576	2580	rBV3	38390	61058	1.44%	0.127%
49	18.205	2585	2590	2594	rVV	375865	622830	14.68%	1.294%
50	18.252	2594	2598	2607	rVB	465843	763058	17.99%	1.586%
51	18.334	2607	2612	2617	rBV	97223	144110	3.40%	0.300%
52	18.399	2617	2623	2627	rVV2	519599	964785	22.74%	2.005%
53	18.434	2627	2629	2636	rVB	265767	359615	8.48%	0.747%
54	18.540	2643	2647	2653	rVB4	45294	72787	1.72%	0.151%
55	18.605	2654	2658	2661	rVB2	32734	49055	1.16%	0.102%
56	18.704	2670	2675	2678	rBV	220109	307847	7.26%	0.640%
57	18.740	2678	2681	2689	rVB4	227928	337570	7.96%	0.702%
58	18.828	2693	2696	2700	rBV2	28400	48221	1.14%	0.100%
59	18.922	2709	2712	2714	rBV3	28787	43062	1.02%	0.089%
60	18.951	2714	2717	2721	rVB	83469	106456	2.51%	0.221%
61	19.004	2722	2726	2729	rVV	89535	113417	2.67%	0.236%
62	19.039	2729	2732	2737	rVB	80355	109123	2.57%	0.227%
63	19.122	2741	2746	2749	rBV	256048	389738	9.19%	0.810%
64	19.151	2749	2751	2754	rVV	152333	218979	5.16%	0.455%
65	19.186	2754	2757	2760	rVB3	177783	228011	5.37%	0.474%
66	19.257	2765	2769	2777	rBV2	151979	304030	7.17%	0.632%
67	19.386	2785	2791	2797	rVB	2796688	4015011	94.64%	8.345%
68	19.451	2798	2802	2805	rBV	68806	103019	2.43%	0.214%
69	19.480	2805	2807	2810	rVV3	38867	47208	1.11%	0.098%
70	19.580	2820	2824	2827	rBV2	58382	77165	1.82%	0.160%
71	19.627	2828	2832	2836	rVV	97259	131266	3.09%	0.273%
72	19.750	2842	2853	2860	rBV	2403276	4242330	100.00%	8.817%
73	19.821	2861	2865	2871	rVB2	128376	229567	5.41%	0.477%
74	19.950	2878	2887	2891	rBV	1326344	1856243	43.76%	3.858%
75	20.073	2901	2908	2914	rBV3	213220	546915	12.89%	1.137%
76	20.209	2926	2931	2932	rVV2	133854	196486	4.63%	0.408%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
Data File : BG060881.D
Acq On : 12 Apr 2024 19:44
Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

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-BG032924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.238	2933	2936	2941	rVB	439278	590745	13.93%	1.228%
78	20.338	2949	2953	2957	rBV	281639	374737	8.83%	0.779%
79	20.397	2958	2963	2967	rBV2	292101	425447	10.03%	0.884%
80	20.538	2983	2987	2991	rBV	202169	271801	6.41%	0.565%
81	20.579	2991	2994	2999	rVB	183644	261590	6.17%	0.544%
82	20.996	3061	3065	3072	rVB	195479	335207	7.90%	0.697%
83	21.178	3089	3096	3100	rBV2	225540	480811	11.33%	0.999%
84	21.219	3100	3103	3107	rVV	221946	305701	7.21%	0.635%
85	21.266	3107	3111	3116	rVV4	255241	497248	11.72%	1.033%
86	21.319	3117	3120	3131	rVB2	204828	387890	9.14%	0.806%
87	21.507	3147	3152	3158	rBV	1930102	2613965	61.62%	5.433%
88	21.577	3158	3164	3171	rVV3	1363330	3355098	79.09%	6.973%
89	21.636	3171	3174	3183	rVB	1091574	1823500	42.98%	3.790%
90	21.789	3196	3200	3204	rBV	125415	209343	4.93%	0.435%
91	21.989	3230	3234	3241	rBV2	90990	180861	4.26%	0.376%
92	22.382	3298	3301	3306	rVB2	114800	168319	3.97%	0.350%
93	22.576	3330	3334	3338	rBV2	104903	171282	4.04%	0.356%
94	23.751	3525	3534	3540	rBV	579907	1927530	45.44%	4.006%
95	24.451	3646	3653	3666	rVB	317361	942734	22.22%	1.959%
96	24.592	3669	3677	3686	rVV	427574	1164506	27.45%	2.420%
97	24.733	3695	3701	3708	rBV	257849	674221	15.89%	1.401%

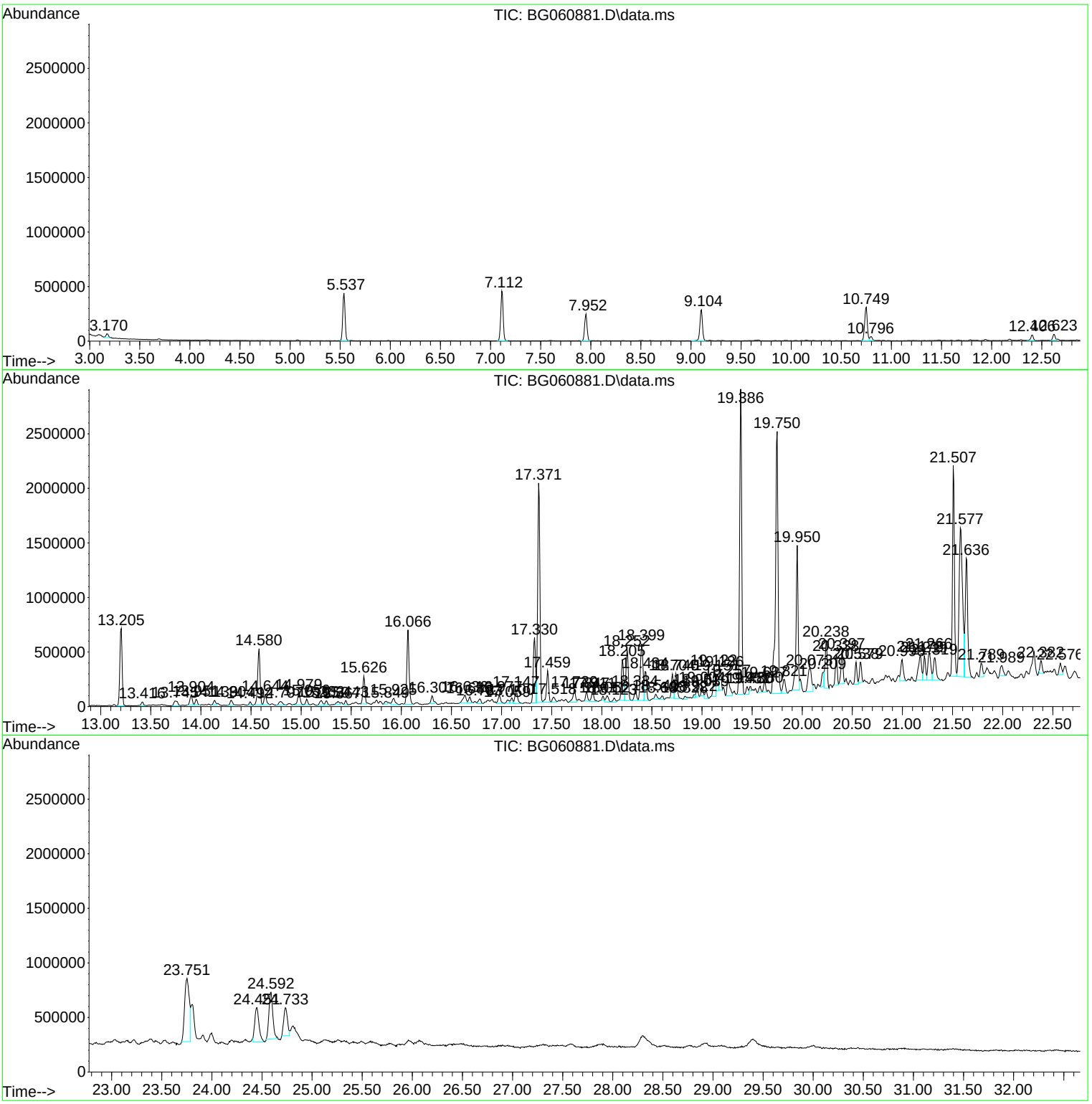
Sum of corrected areas: 48115379

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
Data File : BG060881.D
Acq On : 12 Apr 2024 19:44
Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.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\BG041224\
Data File : BG060881.D
Acq On : 12 Apr 2024 19:44
Operator : MA/JU
Sample : P2090-01 2X
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Instrument :
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ClientSampleId :
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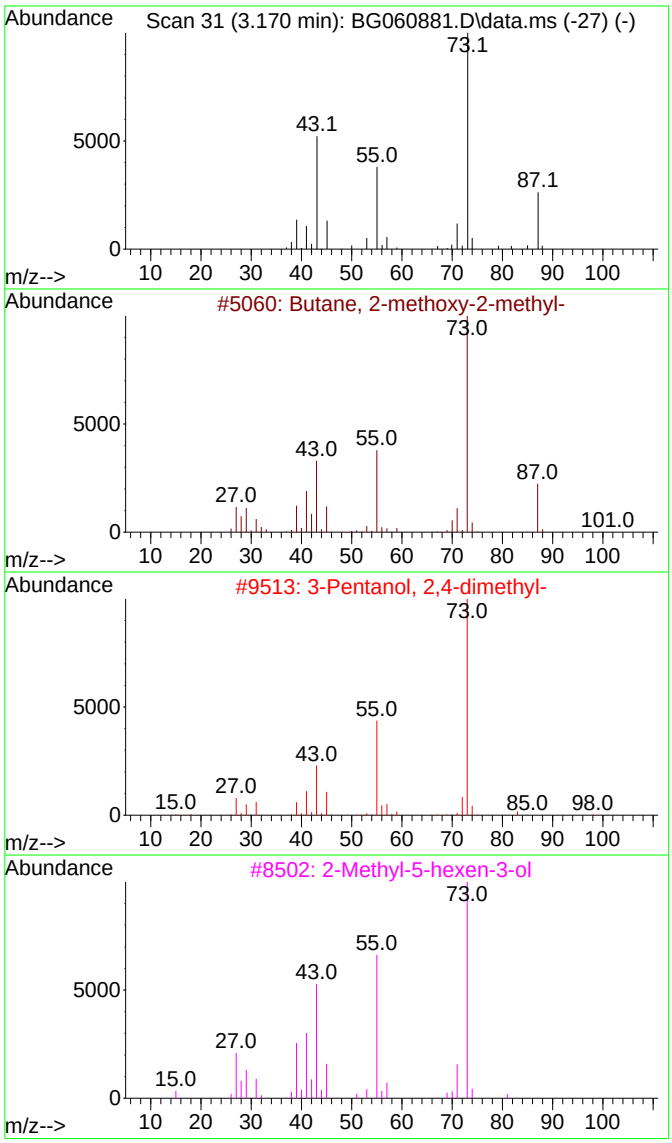
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

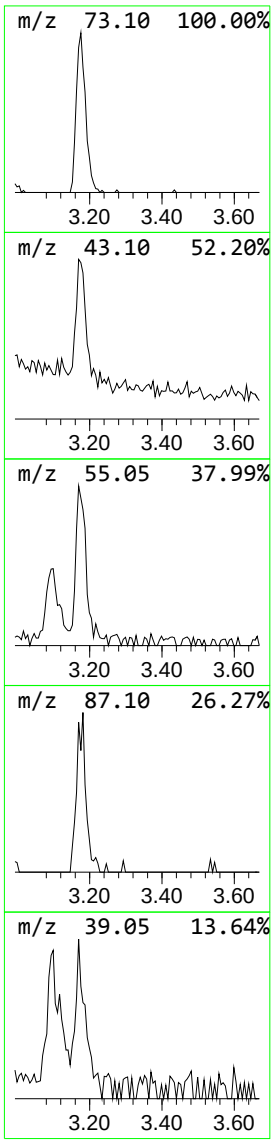
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.170	3.14 ng	64051	1,4-Dichlorobenzene-d4	7.952

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	33
4	3-Buten-2-ol	72	C4H8O	000598-32-3	9
5	1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
Data File : BG060881.D
Acq On : 12 Apr 2024 19:44
Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

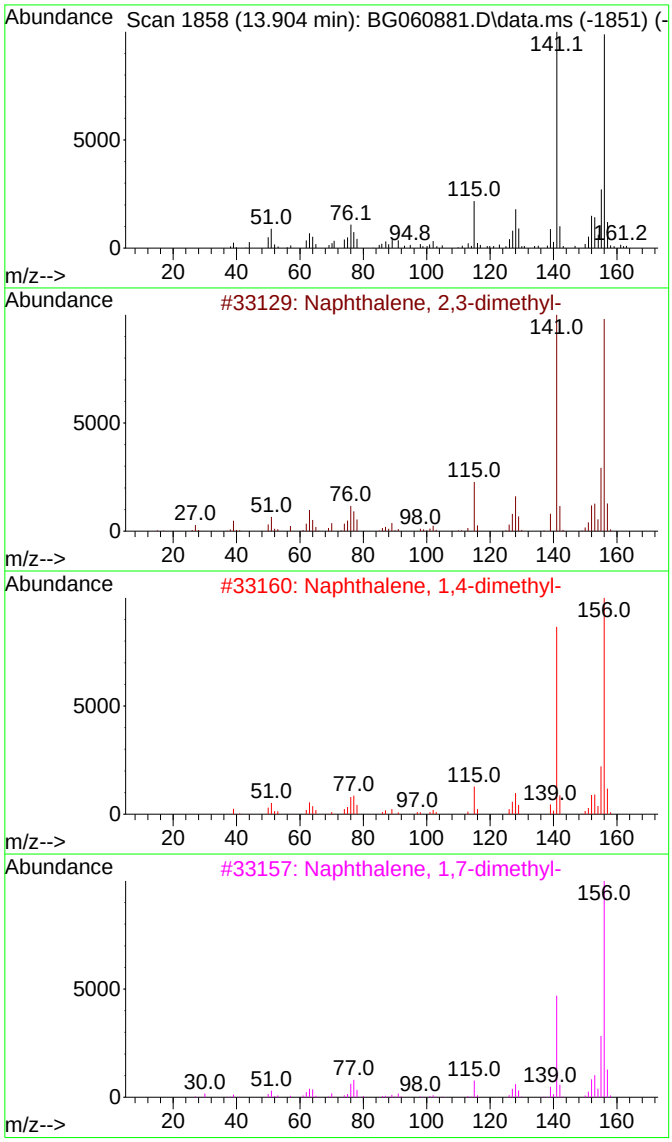
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

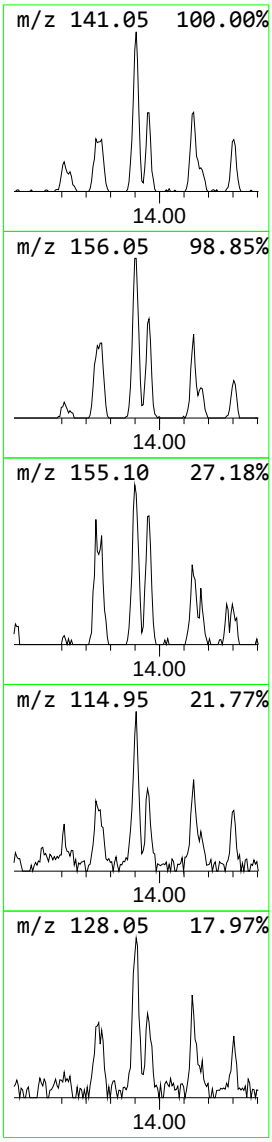
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	3.71 ng	155223	Acenaphthene-d10	14.580

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
Data File : BG060881.D
Acq On : 12 Apr 2024 19:44
Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

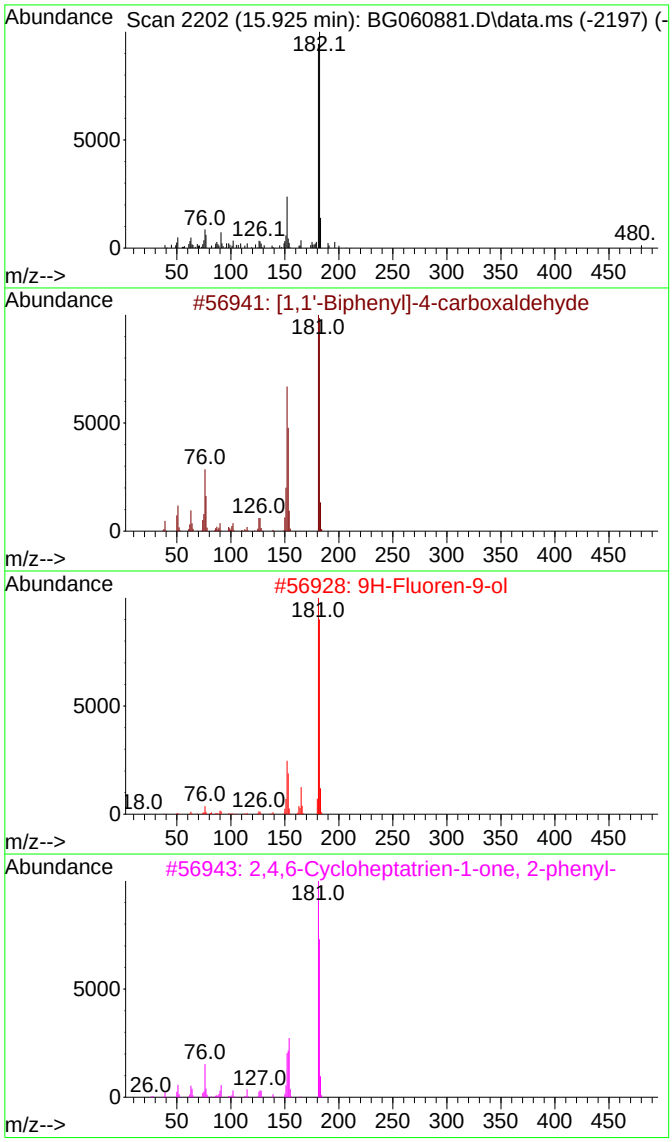
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

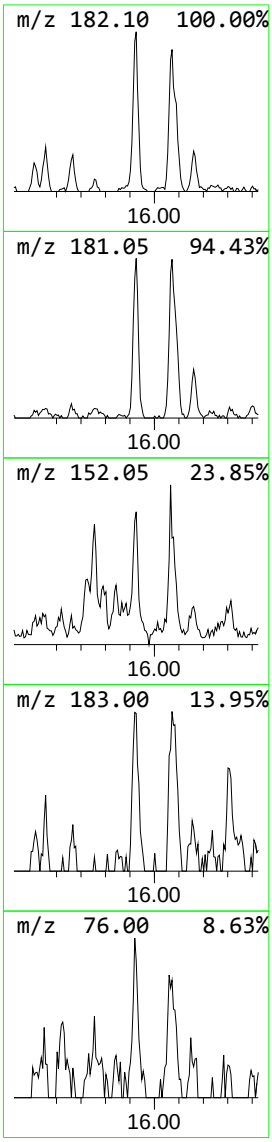
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.925	2.97 ng	124112	Acenaphthene-d10	14.580

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	80
5	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
Data File : BG060881.D
Acq On : 12 Apr 2024 19:44
Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

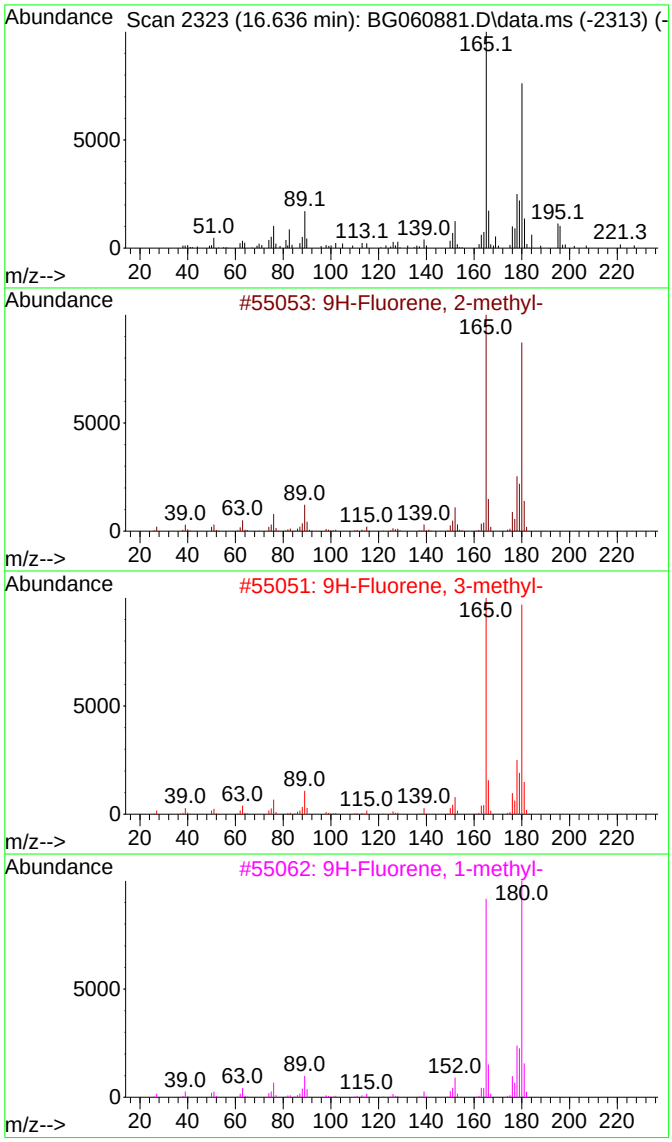
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

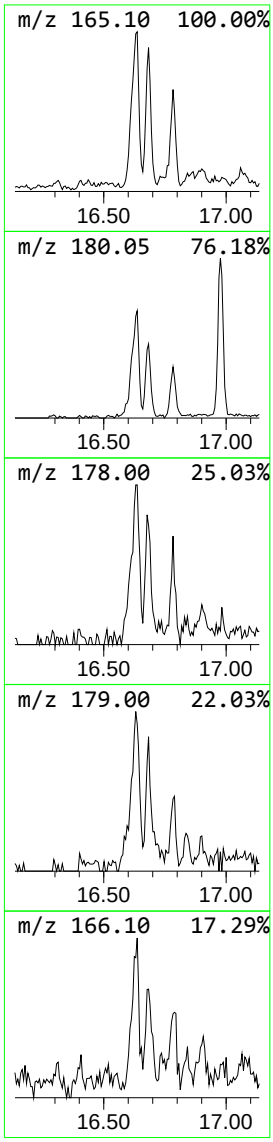
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.636	3.51 ng	169830	Phenanthrene-d10	17.329

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
Data File : BG060881.D
Acq On : 12 Apr 2024 19:44
Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

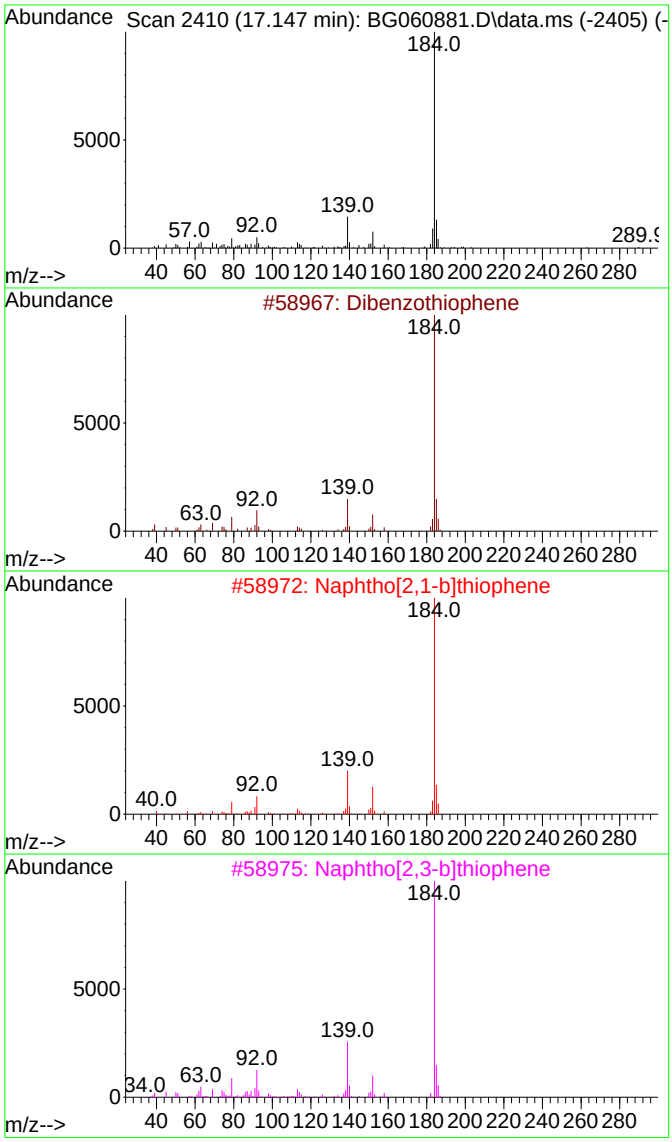
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

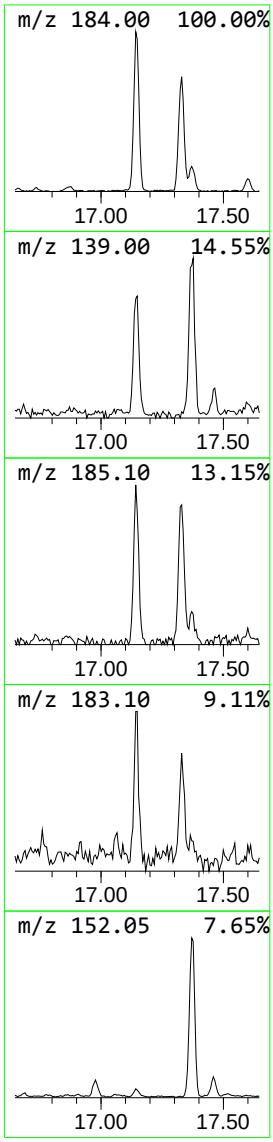
****

Peak Number 5 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.147	4.69 ng	226788	Phenanthrene-d10	17.329

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	91
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	80





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Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

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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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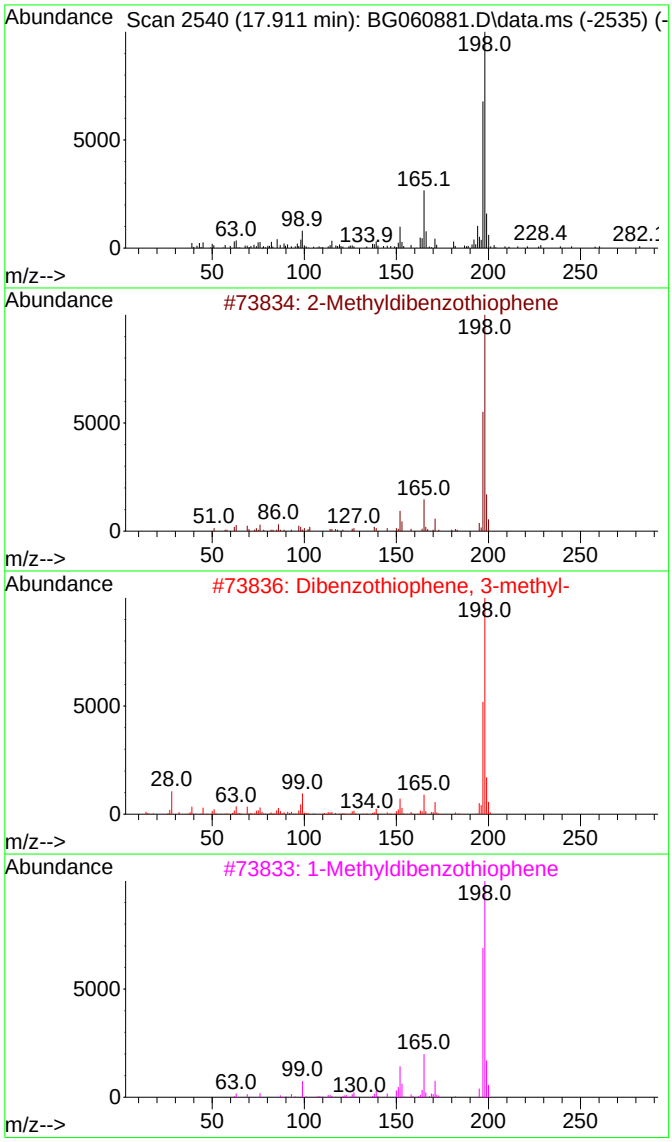
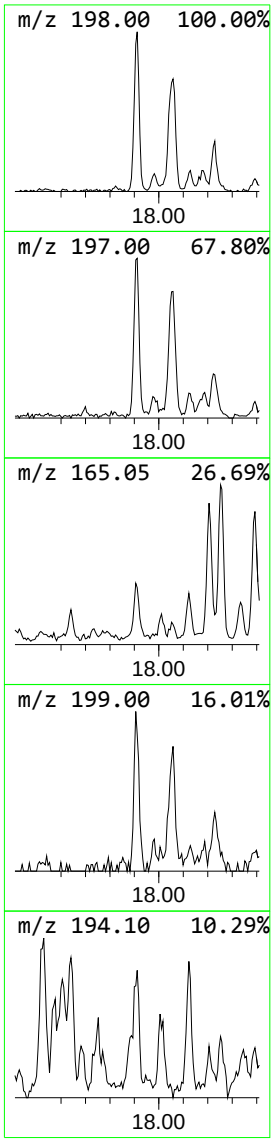
Peak Number 6 2-Methyldibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.911	3.17 ng	153299	Phenanthrene-d10	17.329

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
5	Thioxanthene	198	C13H10S	000261-31-4	86





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Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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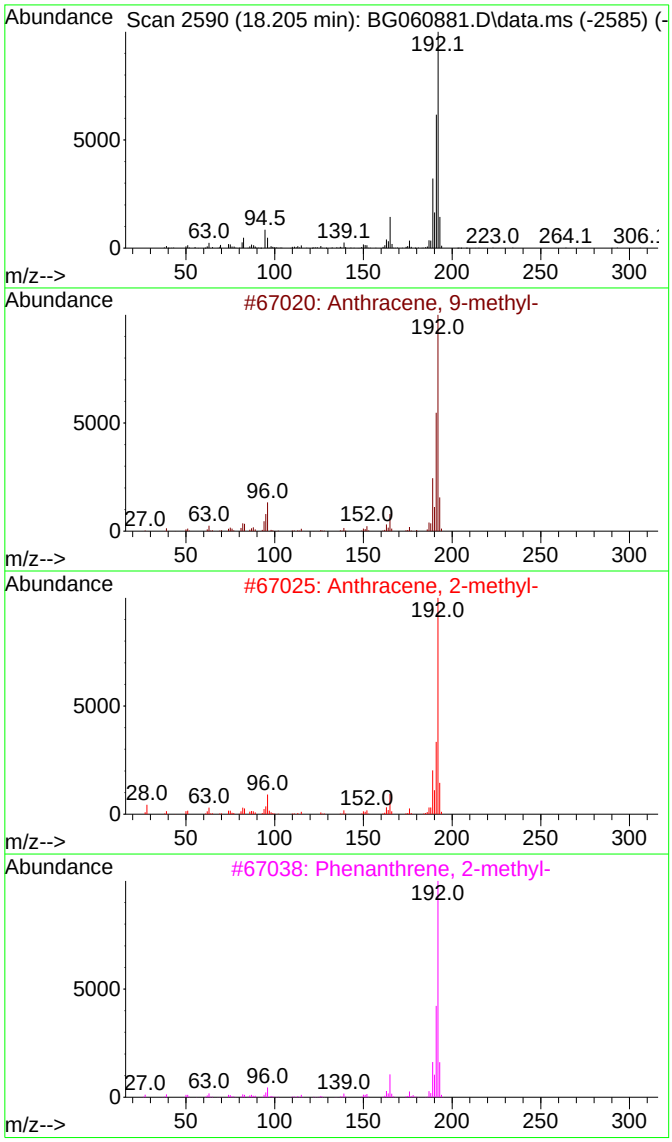
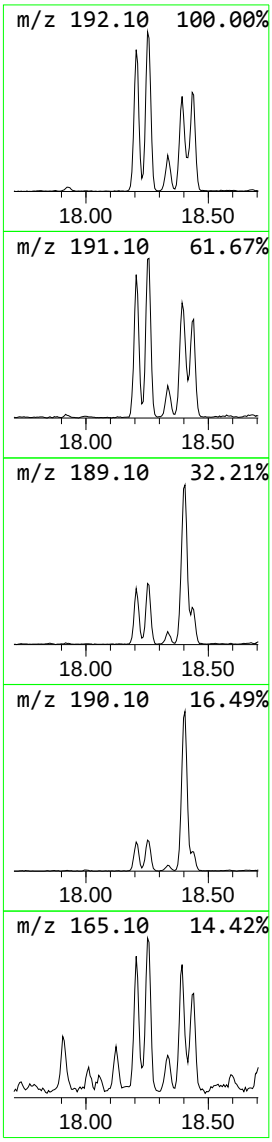
Peak Number 7 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.205	12.88 ng	622830	Phenanthrene-d10	17.329

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TR-05-04112024

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

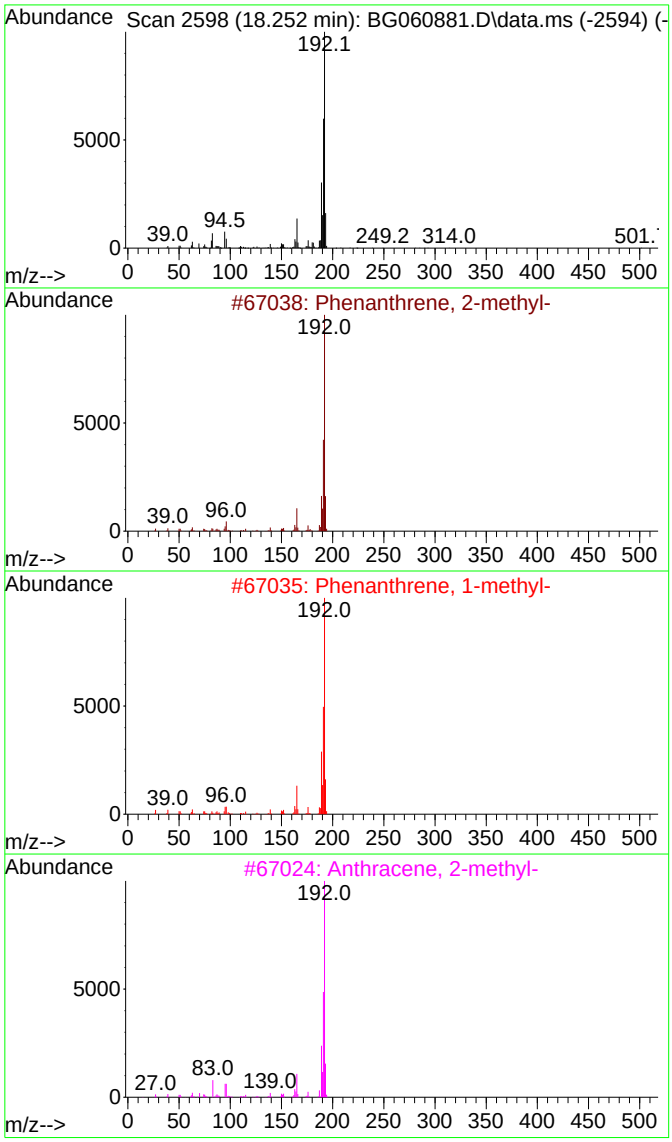
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

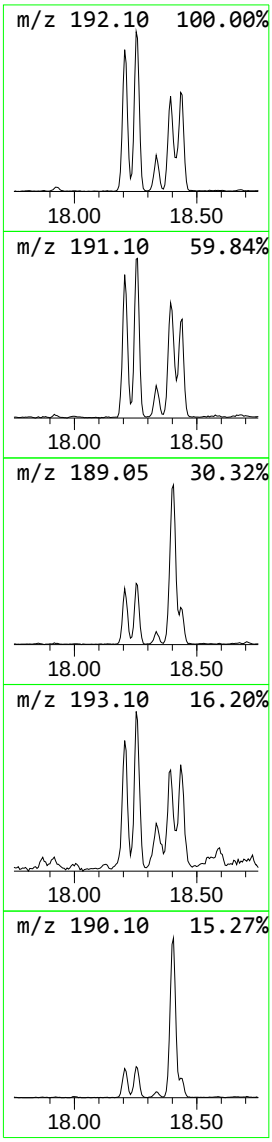
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.252	15.78 ng	763058	Phenanthrene-d10	17.329

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	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Acq On : 12 Apr 2024 19:44
Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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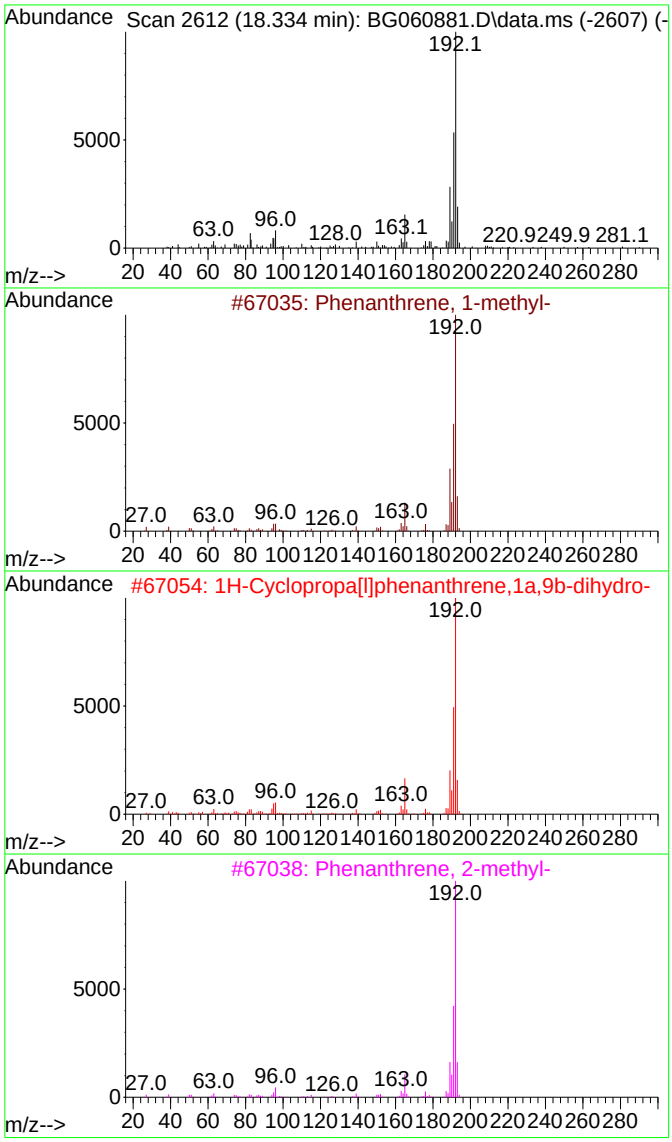
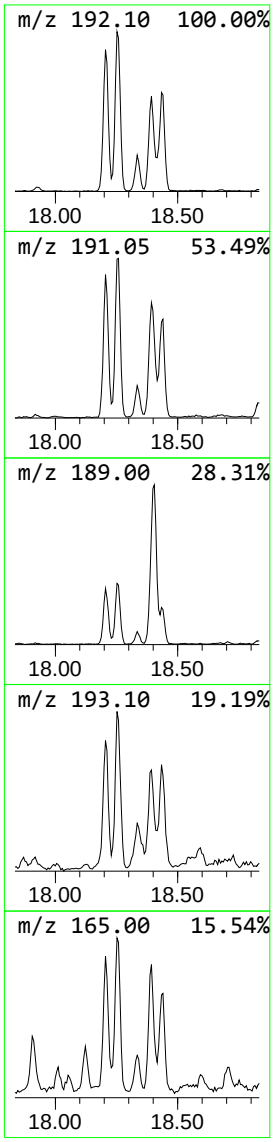
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.334	2.98 ng	144110	Phenanthrene-d10	17.329

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

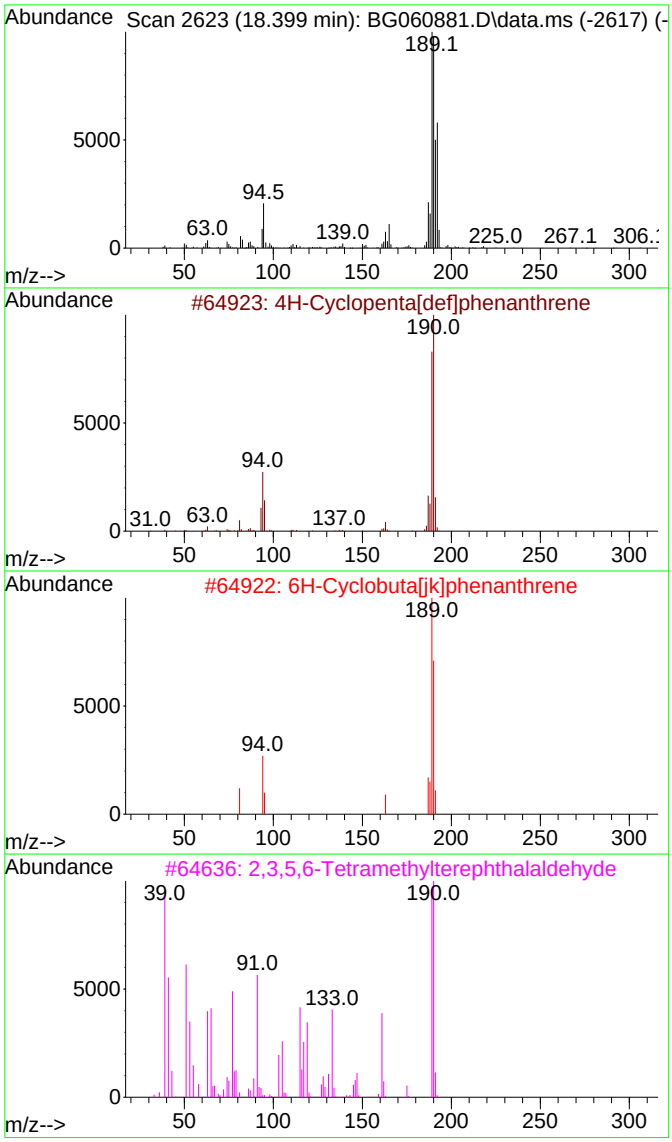
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

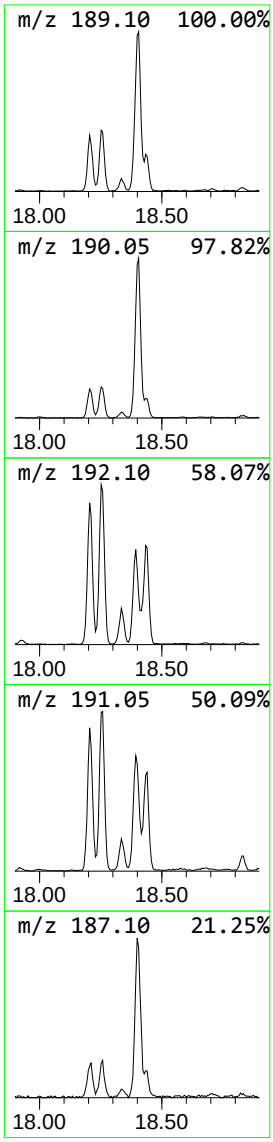
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.399	19.95 ng	964785	Phenanthrene-d10	17.329

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	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25





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Sample : P2090-01 2X
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

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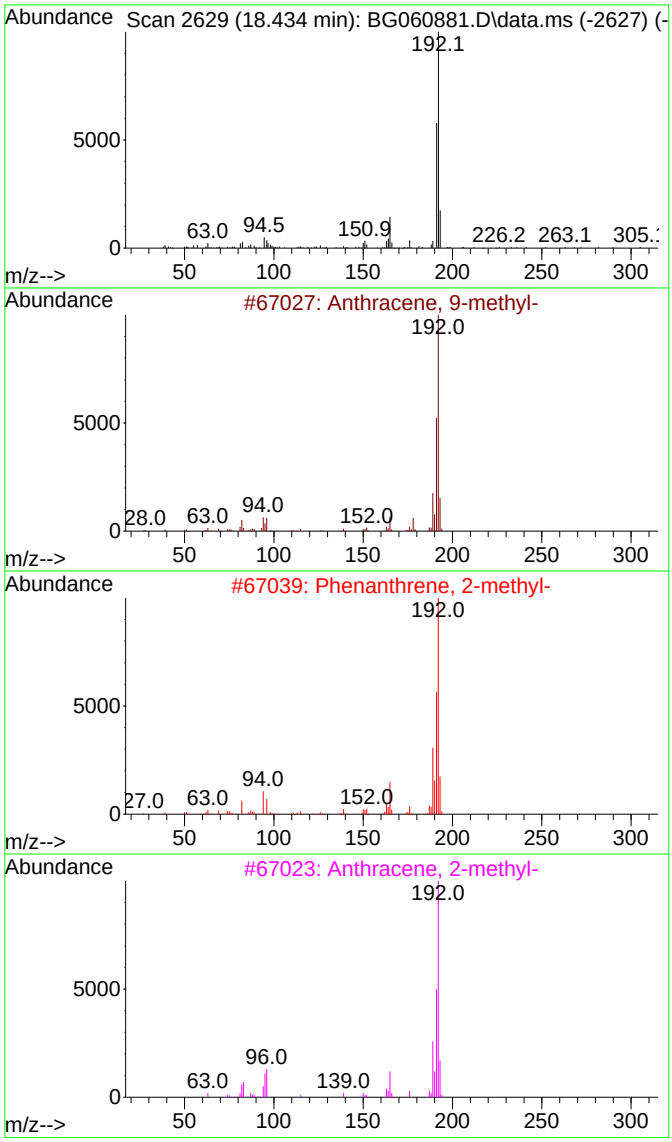
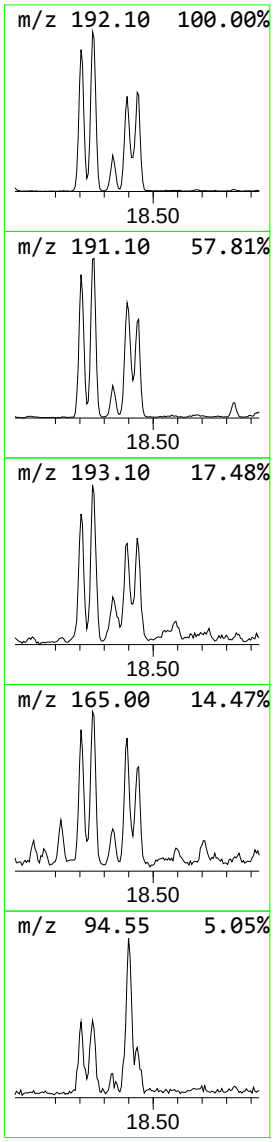
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.434	7.44 ng	359615	Phenanthrene-d10	17.329

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87





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Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TR-05-04112024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.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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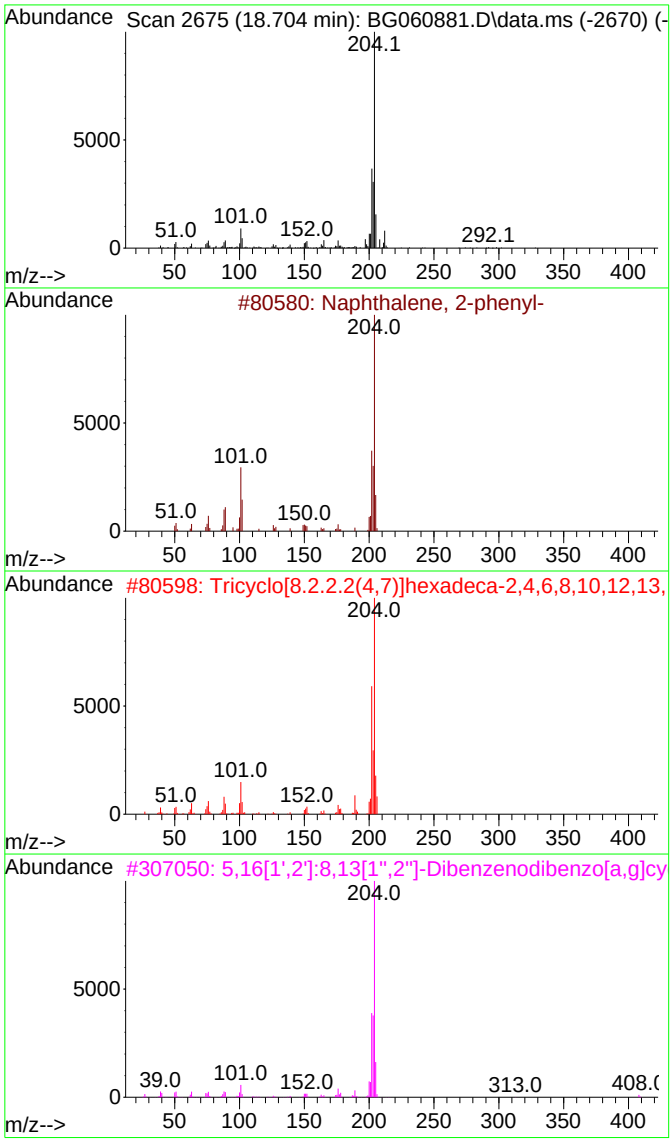
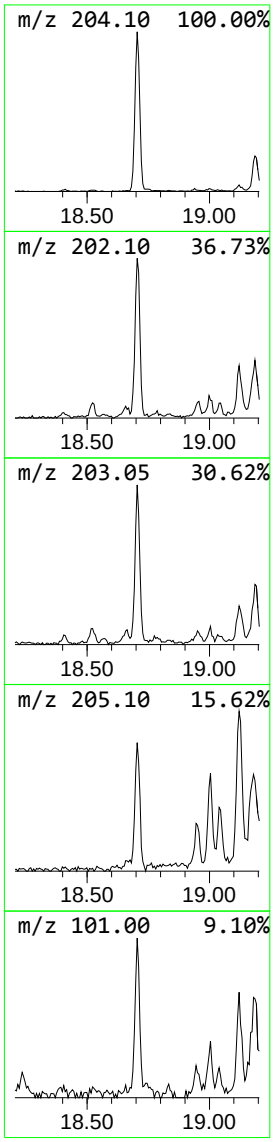
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.704	6.37 ng	307847	Phenanthrene-d10	17.329

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	50
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	49





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Sample : P2090-01 2X
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

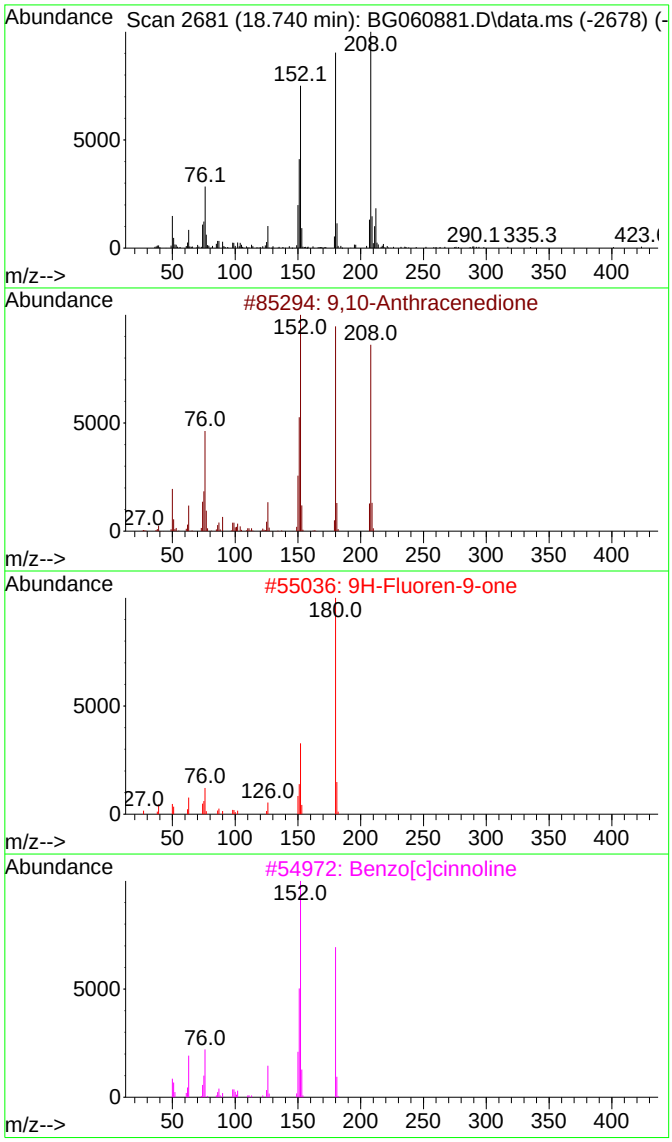
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

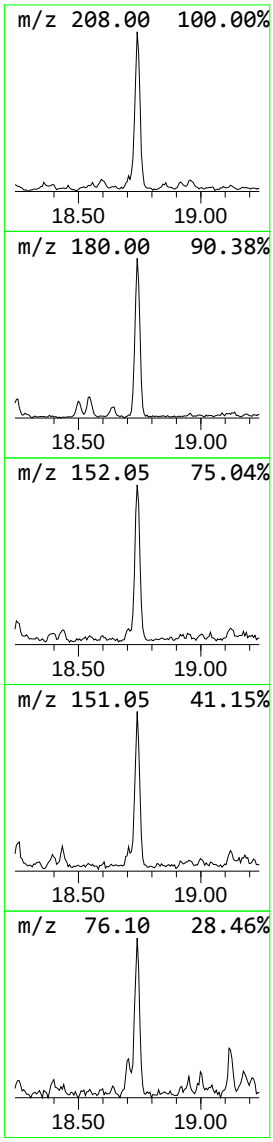
****

Peak Number 13 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.740	6.98 ng	337570	Phenanthrene-d10	17.329

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	90
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TR-05-04112024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.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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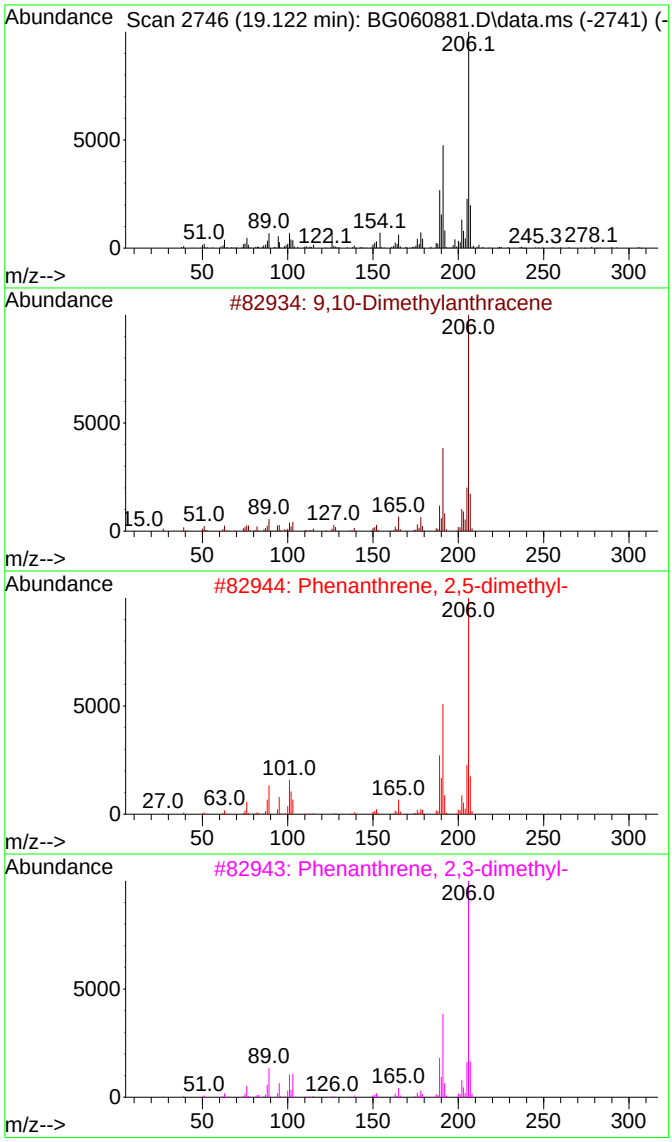
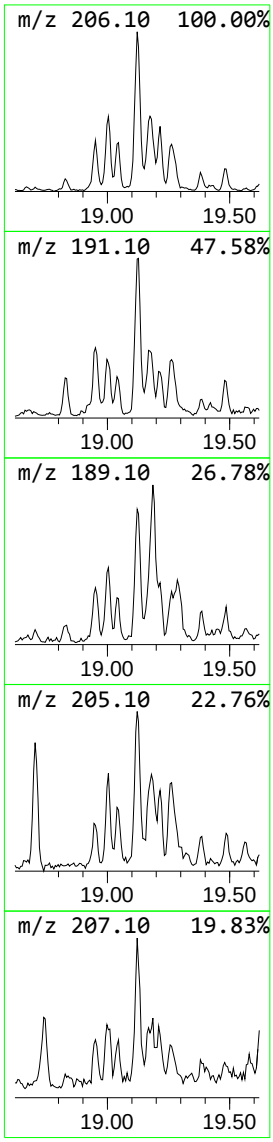
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.122	8.06 ng	389738	Phenanthrene-d10	17.329

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Sample : P2090-01 2X
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Instrument :
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ClientSampleId :
TR-05-04112024

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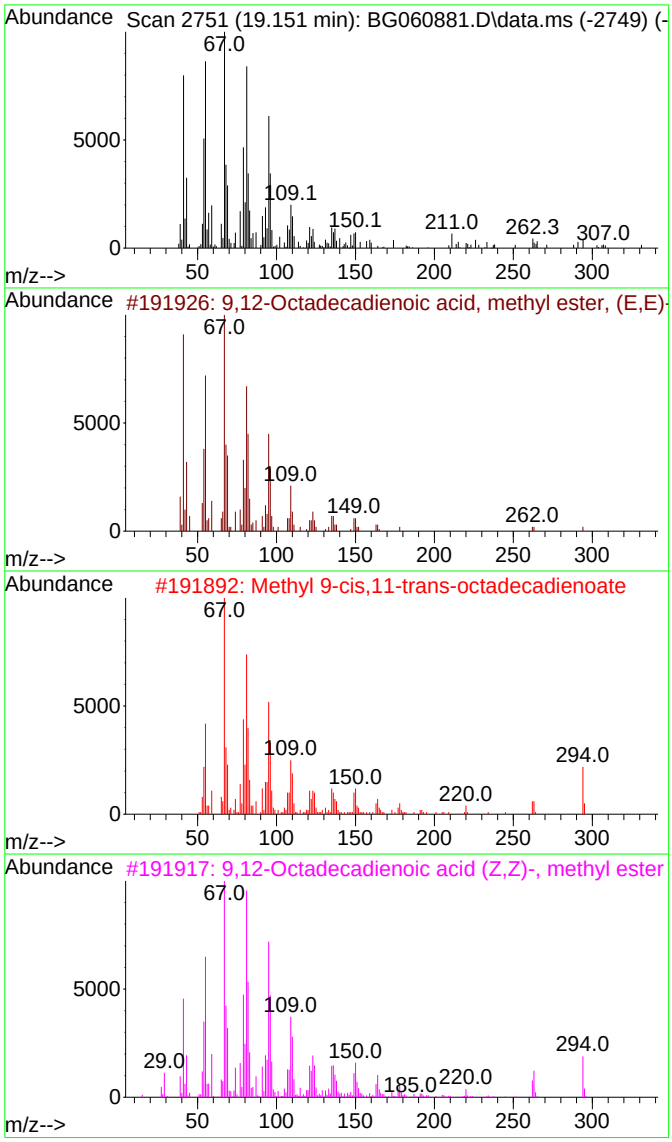
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

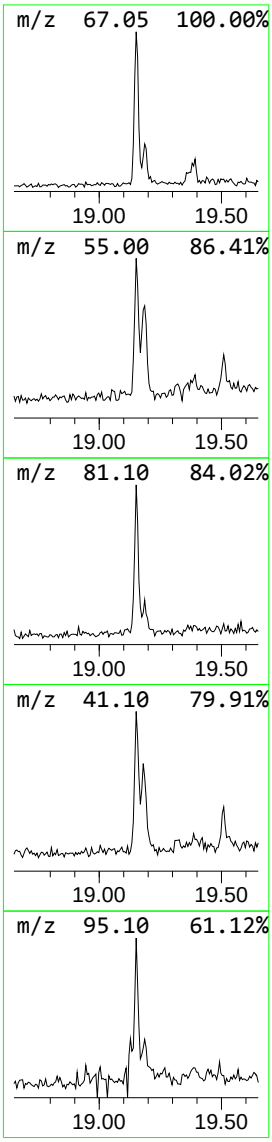
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.151	4.53 ng	218979	Phenanthrene-d10	17.329

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	95
2	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	013058-52-1	95
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	94
4	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	93
5	9,11-Octadecadienoic acid, methy...	294	C19H34O2	013038-47-6	92





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ALS Vial : 11 Sample Multiplier: 1

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TIC Library : C:\Database\NIST20.L
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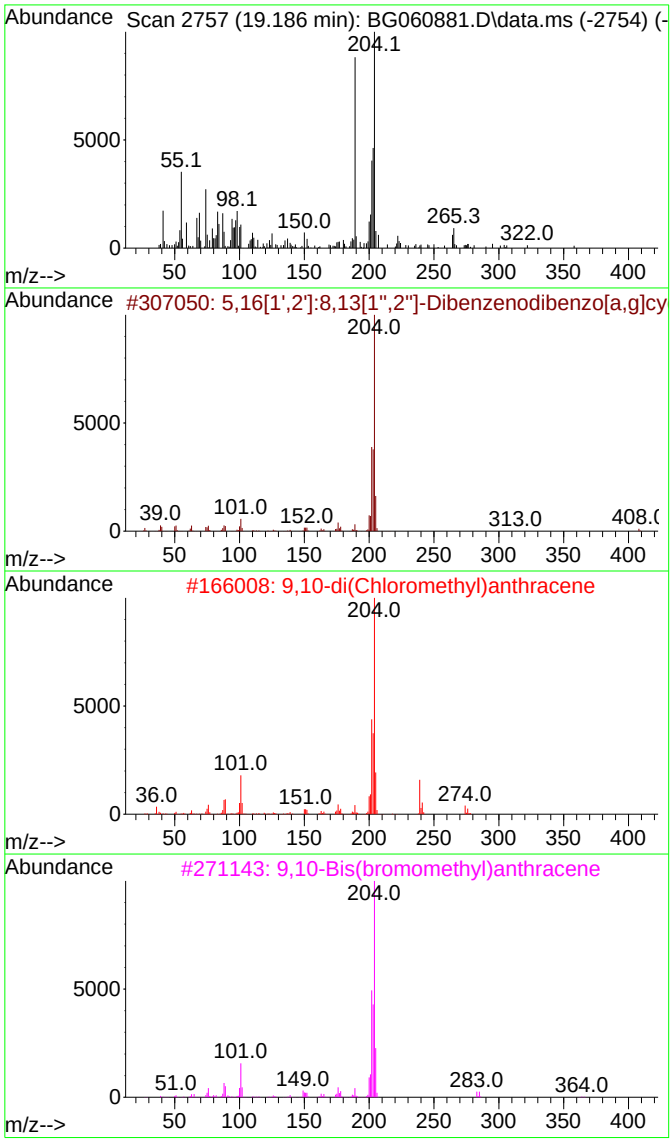
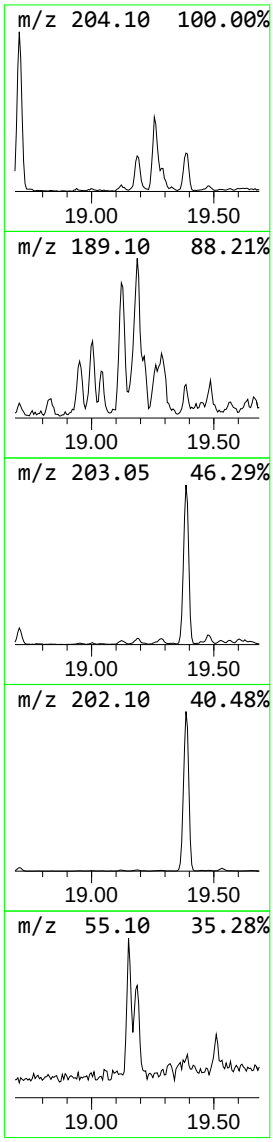
****
Peak Number 16 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.186	4.71 ng	228011	Phenanthrene-d10	17.329

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	40
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	40
4	1H-Indol-6-ylamine, TMS derivative	204	C11H16N2Si	1000484-86-1	37
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
Data File : BG060881.D
Acq On : 12 Apr 2024 19:44
Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.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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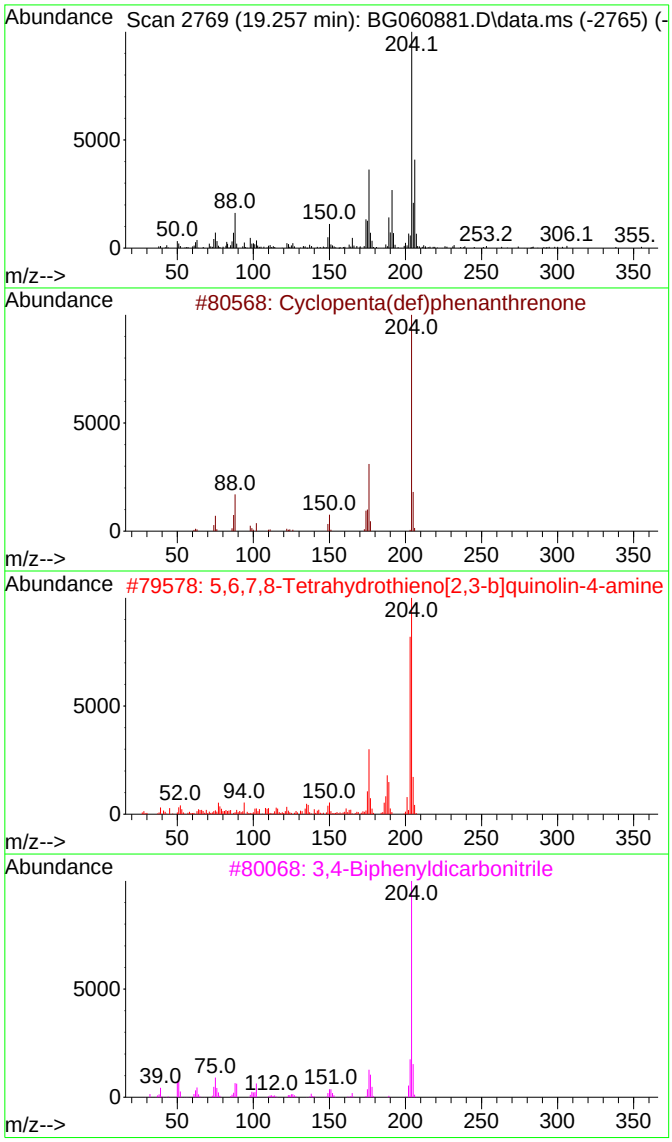
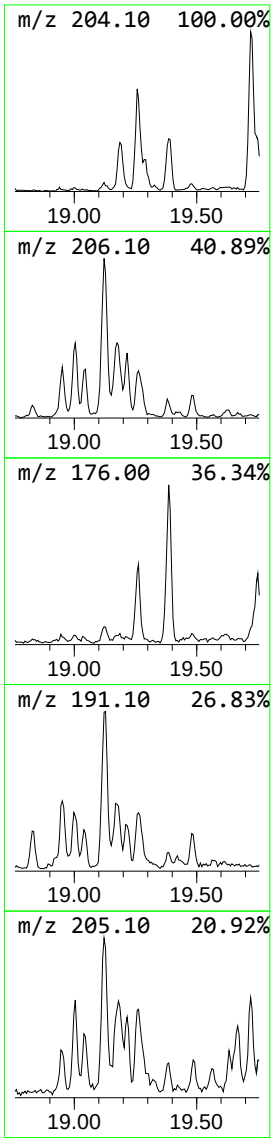
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.257	6.29 ng	304030	Phenanthrene-d10	17.329

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	58
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	46





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Data File : BG060881.D
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Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.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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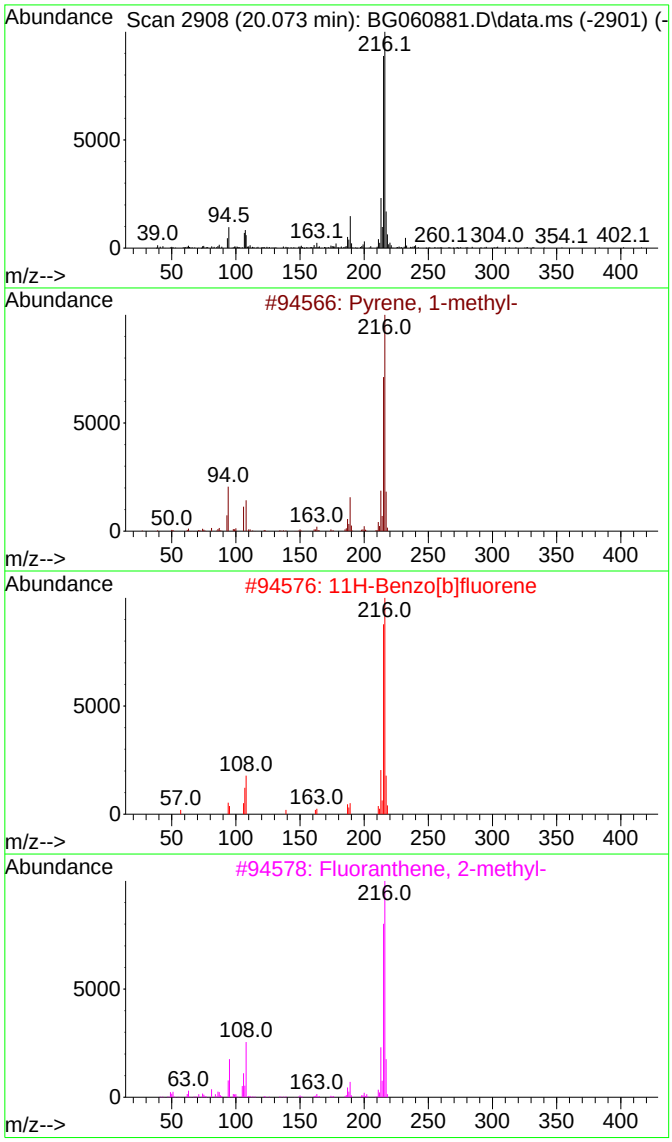
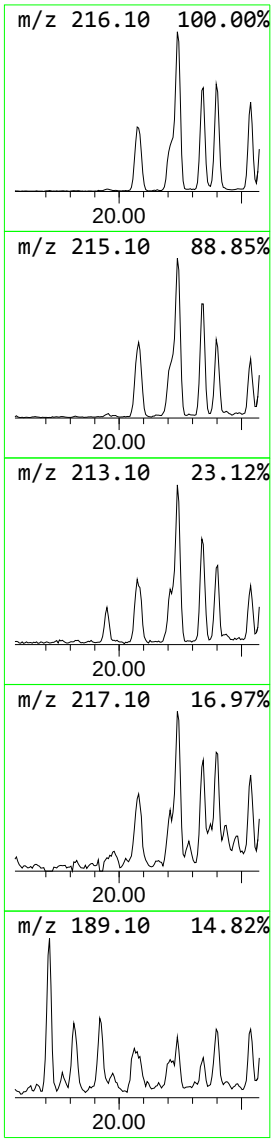
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.073	3.26 ng	546915	Chrysene-d12	21.595

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Data File : BG060881.D
Acq On : 12 Apr 2024 19:44
Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.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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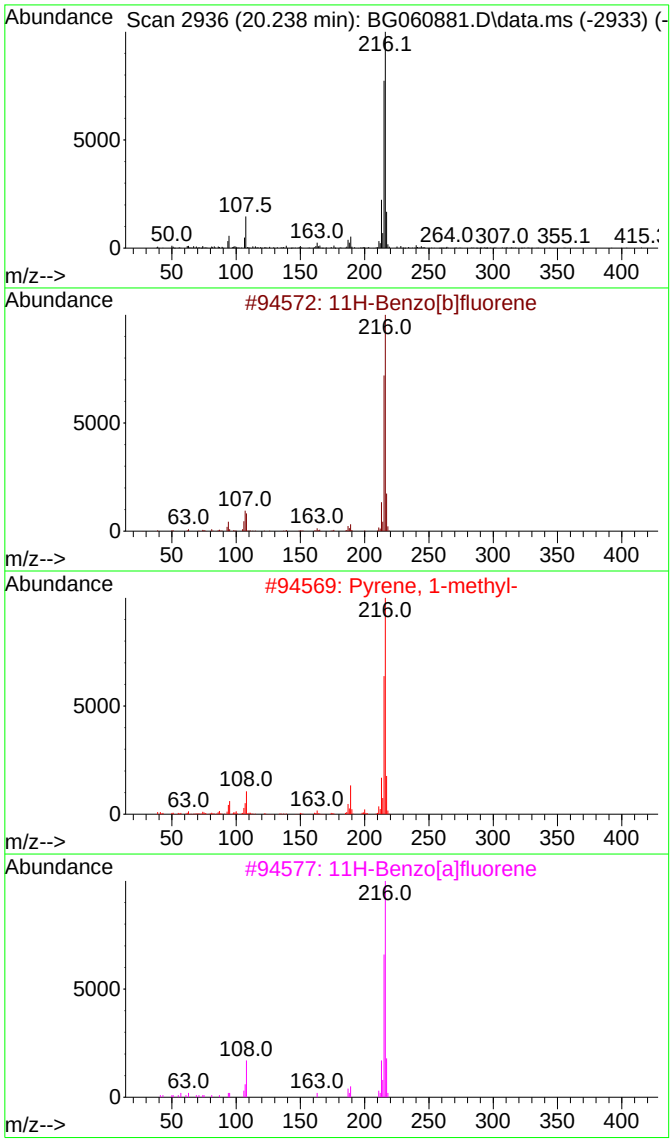
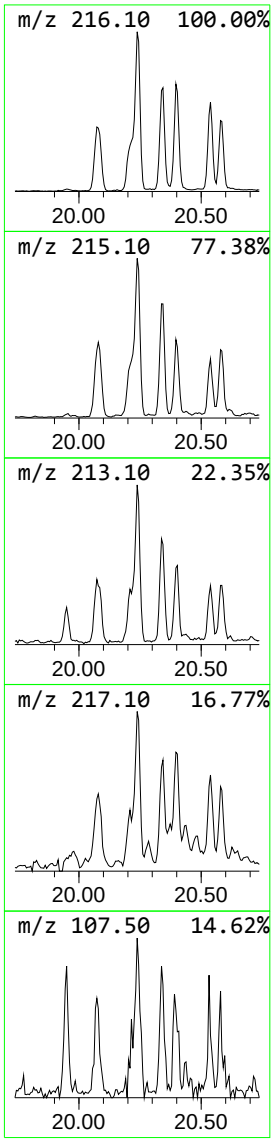
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.238	3.52 ng	590745	Chrysene-d12	21.595

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





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Data File : BG060881.D
Acq On : 12 Apr 2024 19:44
Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.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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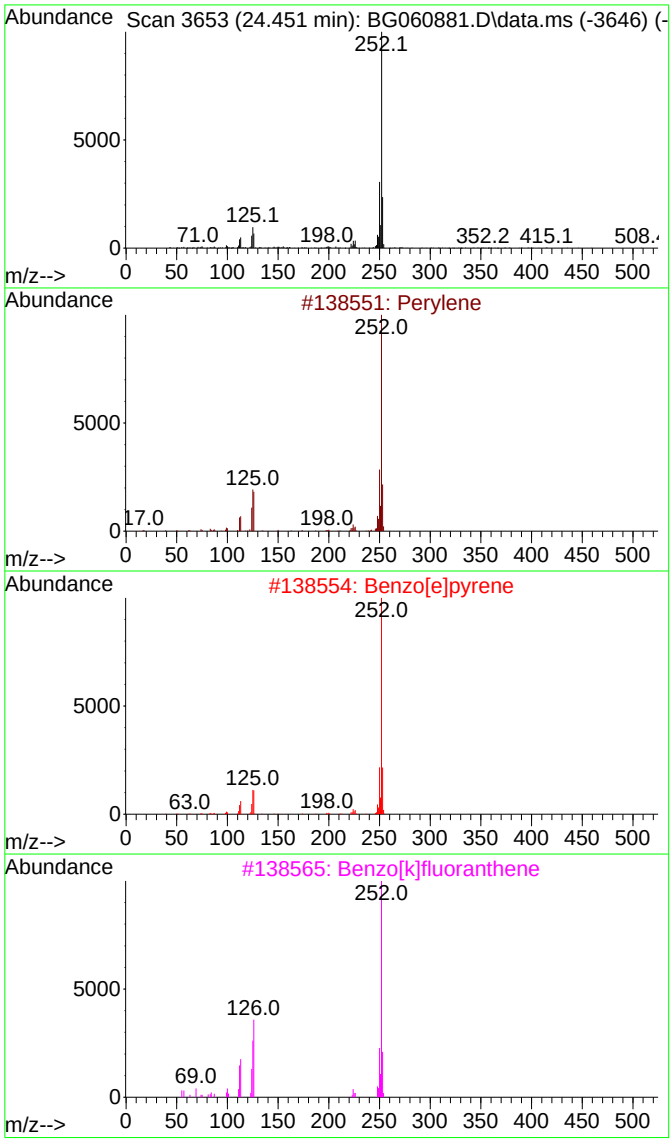
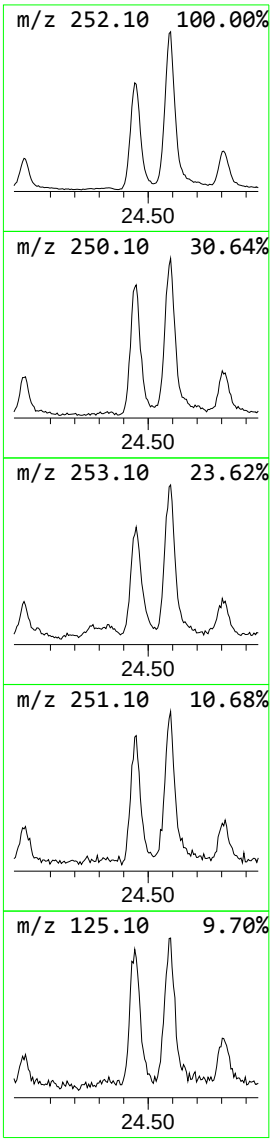
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.451	27.97 ng	942734	Perylene-d12	24.738

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
Data File : BG060881.D
Acq On : 12 Apr 2024 19:44
Operator : MA/JU
Sample : P2090-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-04112024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.170	3.1	ng	64051	1	7.952	407843	20.0
Naphthalene, 2,...	13.904	3.7	ng	155223	3	14.580	836404	20.0
[1,1'-Biphenyl]...	15.925	3.0	ng	124112	3	14.580	836404	20.0
9H-Fluorene, 2-...	16.636	3.5	ng	169830	4	17.329	967188	20.0
Dibenzothiophene	17.147	4.7	ng	226788	4	17.329	967188	20.0
2-Methyldibenzo...	17.911	3.2	ng	153299	4	17.329	967188	20.0
Anthracene, 9-m...	18.205	12.9	ng	622830	4	17.329	967188	20.0
Phenanthrene, 2...	18.252	15.8	ng	763058	4	17.329	967188	20.0
Phenanthrene, 1...	18.334	3.0	ng	144110	4	17.329	967188	20.0
4H-Cyclopenta[d...	18.399	19.9	ng	964785	4	17.329	967188	20.0
Anthracene, 2-m...	18.434	7.4	ng	359615	4	17.329	967188	20.0
Naphthalene, 2-...	18.704	6.4	ng	307847	4	17.329	967188	20.0
9,10-Anthracene...	18.740	7.0	ng	337570	4	17.329	967188	20.0
9,10-Dimethylan...	19.122	8.1	ng	389738	4	17.329	967188	20.0
9,12-Octadecadi...	19.151	4.5	ng	218979	4	17.329	967188	20.0
5,16[1',2']:8,1...	19.186	4.7	ng	228011	4	17.329	967188	20.0
Cyclopenta(def)...	19.257	6.3	ng	304030	4	17.329	967188	20.0
Pyrene, 1-methyl-	20.073	3.3	ng	546915	5	21.595	3355100	20.0
11H-Benzo[b]flu...	20.238	3.5	ng	590745	5	21.595	3355100	20.0
Perylene	24.451	28.0	ng	942734	6	24.738	674221	20.0