LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-01-141522

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: BG056027.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.394	14	18	26	rBB2	4755	7345	1.23%	0.117%
2	5.409	355	361	368	rBB	14408	22452	3.77%	0.357%
3	5.885	435	442	450	rVB	111419	181134	30.38%	2.884%
4	7.495	709	716	723	rBB	116682	198509	33.29%	3.161%
5	8.365	858	864	871	rBB	42773	69917	11.73%	1.113%
6	9.534	1056	1063	1069	rBV	70778	125693	21.08%	2.001%
7	11.197	1338	1346	1353	rBV	54109	93764	15.73%	1.493%
8	12.824	1618	1623	1628	rBB	6105	9385	1.57%	0.149%
9	13.042	1654	1660	1665	rVB2	7543	12147	2.04%	0.193%
10	13.600	1747	1755	1762	rBB	247842	370815	62.19%	5.904%
11	14.140	1841	1847	1854	rVB4	5343	12588	2.11%	0.200%
12	14.293	1867	1873	1878	rBV3	12508	21182	3.55%	0.337%
13	14.346	1878	1882	1887	rVB	7371	10071	1.69%	0.160%
14	14.528	1905	1913	1917	rBV2	6585	10622	1.78%	0.169%
15	14.699	1936	1942	1951	rBV2	11277	21573	3.62%	0.343%
16	14.969	1976	1988	1995	rBV	92545	146297	24.54%	2.329%
17	15.174	2017	2023	2030	rBV4	3374	7308	1.23%	0.116%
18	15.357	2047	2054	2062	rVB5	9380	18852	3.16%	0.300%
19	15.433	2062	2067	2073	rBV	10412	15651	2.62%	0.249%
20	15.574	2085	2091	2096	rBV3	8827	15241	2.56%	0.243%
21	15.627	2096	2100	2105	rVB2	7284	9856	1.65%	0.157%
22	15.744	2113	2120	2122	rBV5	5293	11121	1.87%	0.177%
23	15.774	2122	2125	2131	rVB2	8678	12007	2.01%	0.191%
24	16.009	2159	2165	2171	rBV4	10140	18877	3.17%	0.301%
25	16.220	2197	2201	2206	rVB6	4176	6553	1.10%	0.104%
26	16.308	2206	2216	2220	rBV3	12551	24693	4.14%	0.393%
27	16.444	2234	2239	2249	rVB	204352	317722	53.29%	5.059%
28	16.637	2268	2272	2274	rBV2	4587	6473	1.09%	0.103%
29	16.667	2274	2277	2282	rVB6	10076	16150	2.71%	0.257%
30	16.808	2296	2301	2305	rBV2	4971	8369	1.40%	0.133%
31	17.008	2325	2335	2339	rBV5	9758	26426	4.43%	0.421%
32	17.055	2339	2343	2348	rVB2	9894	15792	2.65%	0.251%
33	17.160	2356	2361	2365	rVB4	6206	9851	1.65%	0.157%
34	17.231	2365	2373	2376	rBV6	4581	12161	2.04%	0.194%
35	17.360	2389	2395	2402	rVB5	6168	13557	2.27%	0.216%
36	17.431	2402	2407	2412	rBV5	8551	13037	2.19%	0.208%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

37	17.525	2418	2423	2430	rVB	18717	29079	4.88%	0.463%
38	17.707	2448	2454	2458	rBV	124076	193211	32.41%	3.076%
39	17.748	2458	2461	2467	rVB	106281	152151	25.52%	2.423%
40	17.836	2472	2476	2480	rVV	15240	22697	3.81%	0.361%
41	17.889	2480	2485	2491	rVV6	11727	25619	4.30%	0.408%
42	17.977	2495	2500	2503	rVV5	5903	14400	2.42%	0.229%
43	18.006	2503	2505	2510	rVB3	5225	7287	1.22%	0.116%
44	18.106	2517	2522	2524	rBV6	6853	10720	1.80%	0.171%
45	18.171	2528	2533	2538	rVB6	7529	15966	2.68%	0.254%
46	18.283	2547	2552	2557	rVB	27236	40661	6.82%	0.647%
47	18.341	2557	2562	2567	rBV5	16577	18999	3.19%	0.303%
48	18.429	2572	2577	2584	rVB2	20961	39423	6.61%	0.628%
49	18.500	2584	2589	2594	rBV6	6784	15183	2.55%	0.242%
50	18.576	2594	2602	2606	rBV	75085	145450	24.39%	2.316%
51	18.623	2606	2610	2616	rVB	90289	135739	22.77%	2.161%
52	18.706	2619	2624	2628	rBV2	20666	32565	5.46%	0.519%
53	18.759	2628	2633	2638	rVV3	74099	150230	25.20%	2.392%
54	18.806	2638	2641	2646	rVV	50204	71232	11.95%	1.134%
55	18.847	2646	2648	2655	rVB7	9736	12428	2.08%	0.198%
56	18.911	2655	2659	2662	rBV3	8997	11802	1.98%	0.188%
57	18.970	2664	2669	2673	rVB	14646	22748	3.82%	0.362%
58	19.058	2680	2684	2688	rBV2	31589	49202	8.25%	0.783%
59	19.111	2688	2693	2702	rVB3	27780	68412	11.47%	1.089%
60	19.187	2703	2706	2707	rBV3	6892	7624	1.28%	0.121%
61	19.229	2709	2713	2714	rBV3	8069	10255	1.72%	0.163%
62	19.299	2718	2725	2730	rBV3	34913	71952	12.07%	1.146%
63	19.352	2730	2734	2738	rBV	52122	71802	12.04%	1.143%
64	19.393	2738	2741	2745	rVB2	38636	50877	8.53%	0.810%
65	19.469	2749	2754	2760	rBV	130612	267765	44.91%	4.263%
66	19.528	2760	2764	2768	rVV3	25898	41255	6.92%	0.657%
67	19.610	2774	2778	2783	rBV2	42494	95817	16.07%	1.526%
68	19.740	2794	2800	2804	rBV	134256	202539	33.97%	3.225%
69	19.787	2805	2808	2813	rBV5	25104	48217	8.09%	0.768%
70	19.887	2819	2825	2829	rBV4	31777	61718	10.35%	0.983%
71	19.975	2835	2840	2842	rBV3	26543	44796	7.51%	0.713%
72	20.039	2848	2851	2853	rBV	15820	17210	2.89%	0.274%
73	20.098	2856	2861	2867	rVV2	263714	391715	65.70%	6.237%
74	20.163	2868	2872	2877	rVB	76140	117689	19.74%	1.874%
75	20.280	2887	2892	2897	rVB	491921	596238	100.00%	9.493%
76	20.321	2897	2899	2906	rVB4	33489	52904	8.87%	0.842%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

77	20.421	2908	2916	2924	rBV5	49791	149625	25.09%	2.382%
78	20.562	2936	2940	2947	rVB2	66107	139478	23.39%	2.221%
79	20.645	2952	2954	2957	rBV2	20382	30611	5.13%	0.487%
80	20.739	2967	2970	2974	rVB	65539	80734	13.54%	1.285%
81	20.885	2991	2995	2999	rBV	76670	106462	17.86%	1.695%
82	20.932	2999	3003	3006	rBV	49047	70614	11.84%	1.124%
83	22.014	3179	3187	3192	rBV3	140223	374266	62.77%	5.959%

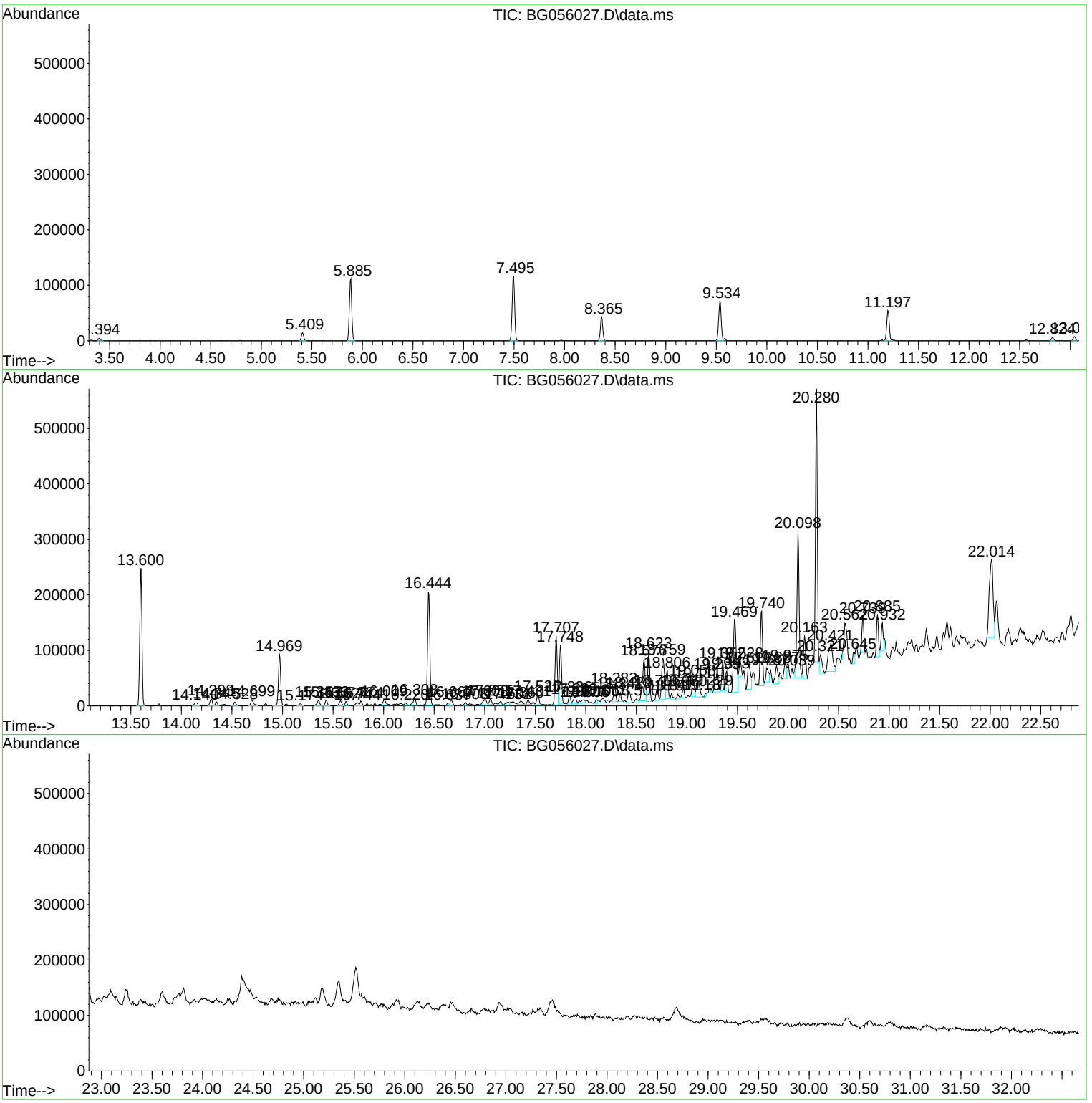
Sum of corrected areas: 6280558

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

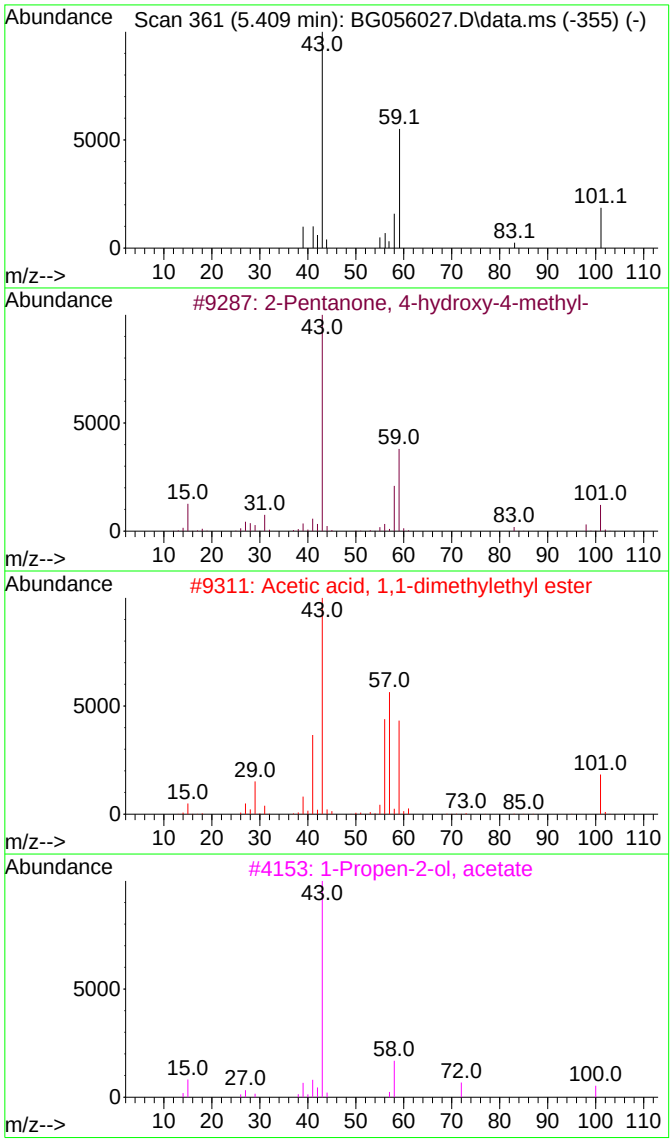
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

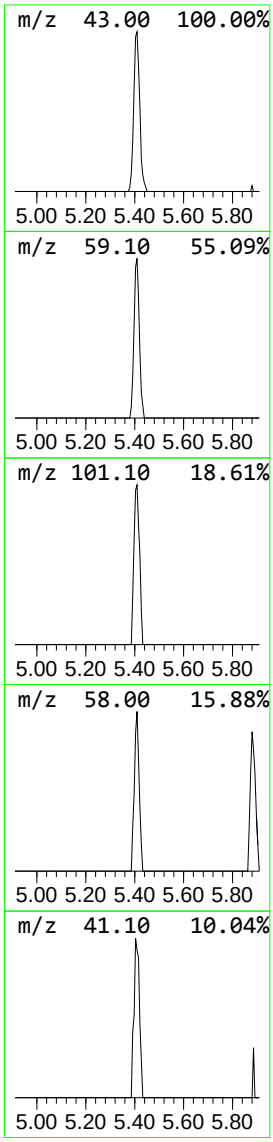
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.409	6.42 ng	22452	1,4-Dichlorobenzene-d4	8.365

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	78
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
4	Silane, trimethyl-	74	C3H10Si	000993-07-7	9
5	Butane	58	C4H10	000106-97-8	7





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

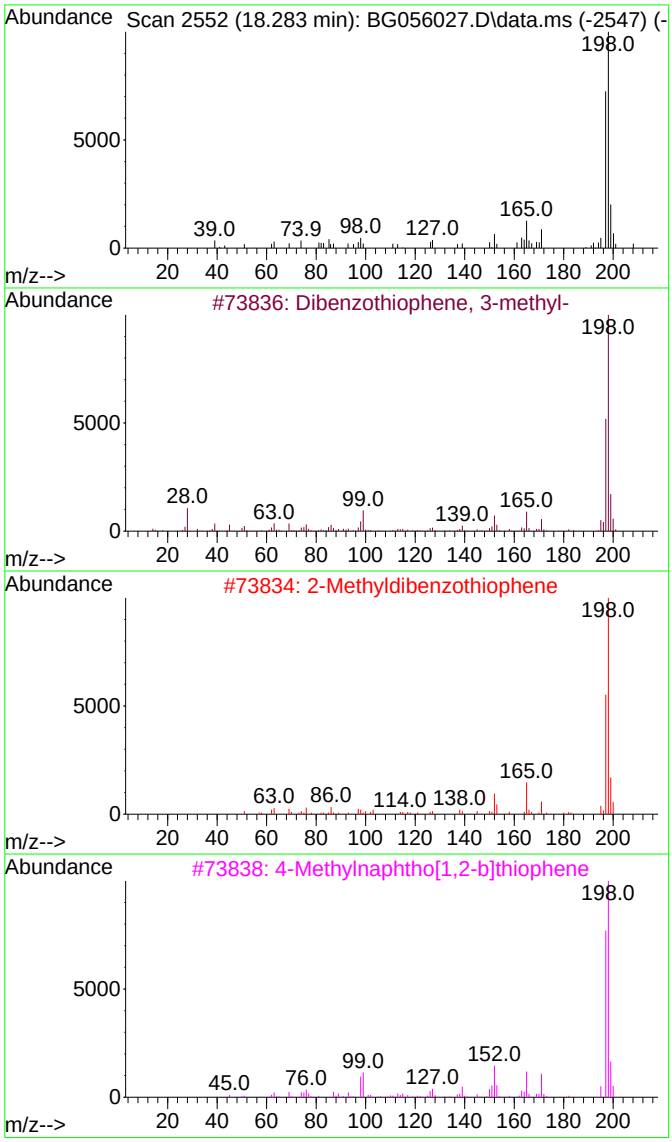
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

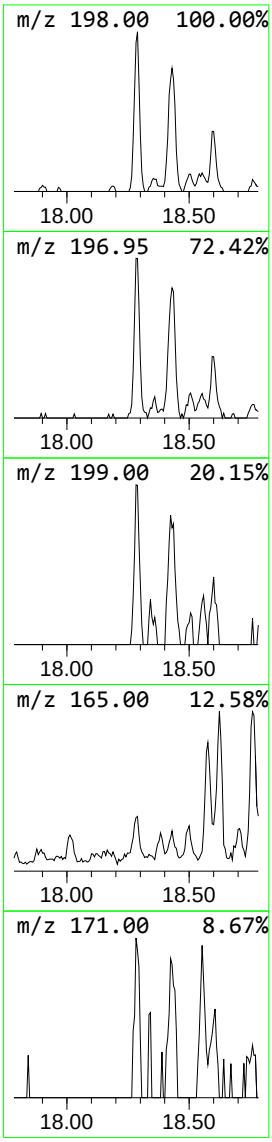
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Dibenzothiophene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.283	4.21 ng	40661	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	87
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	86
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

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

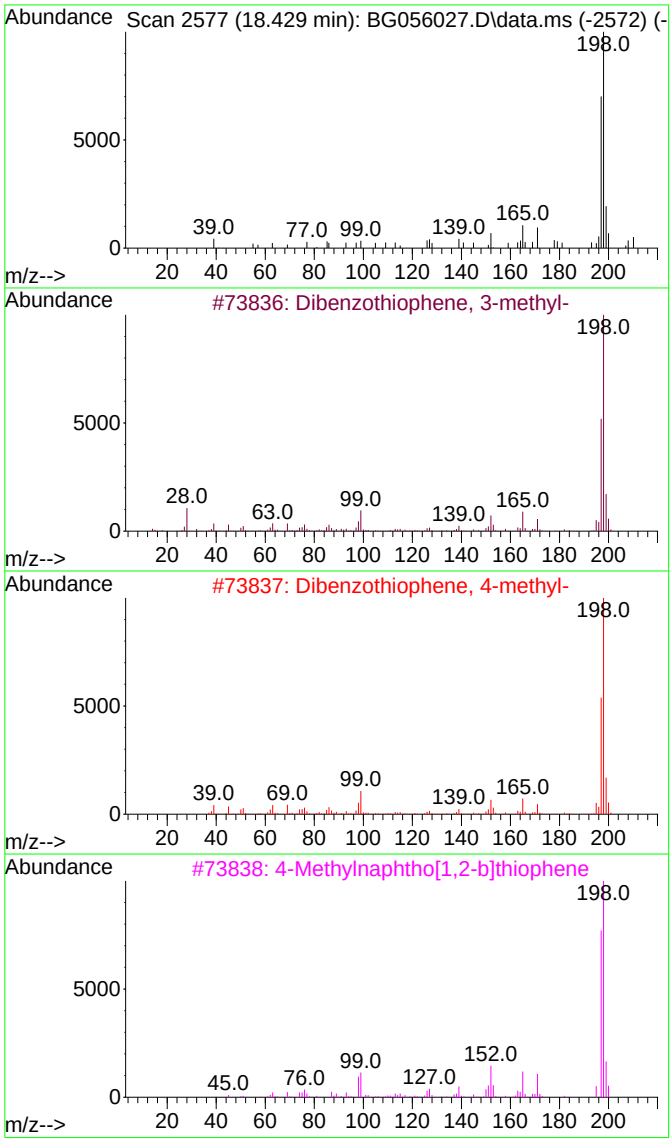
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

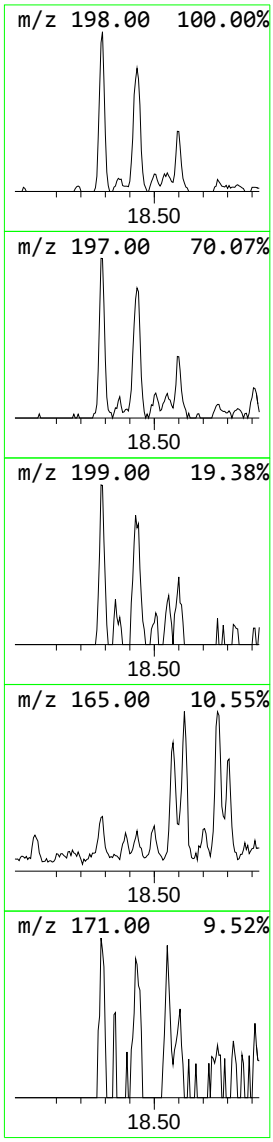
****

Peak Number 3 Dibenzothiophene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.430	4.08 ng	39423	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	87
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	78
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

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

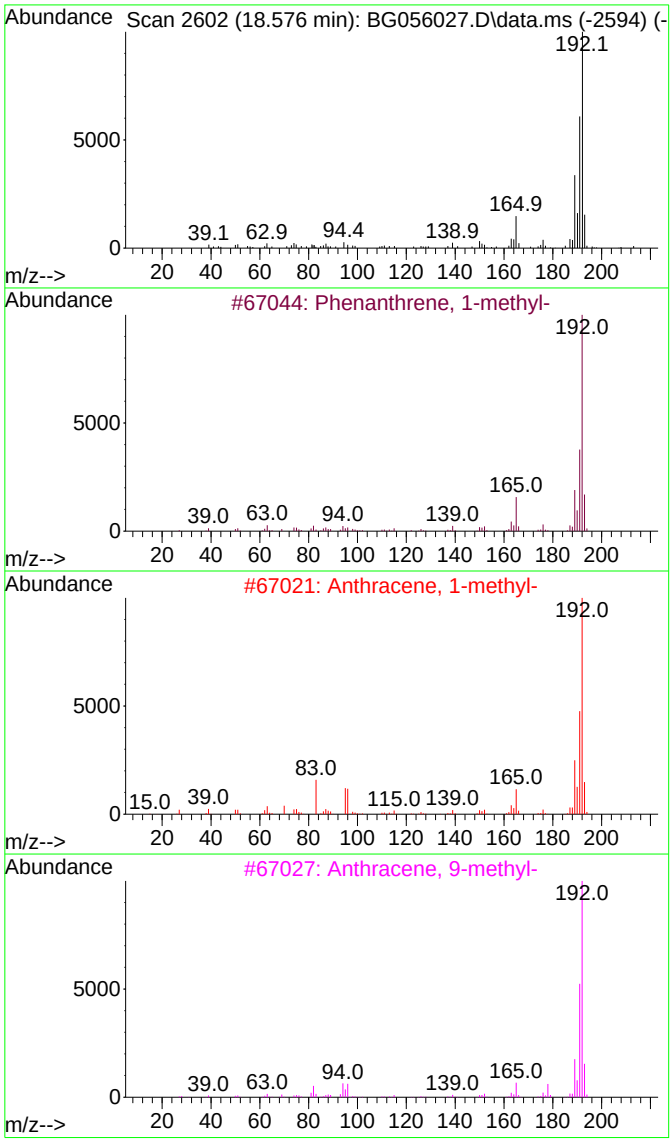
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

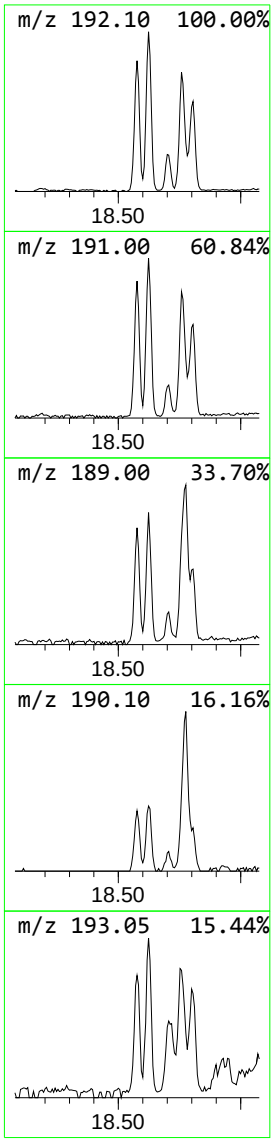
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.576	15.06 ng	145450	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

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

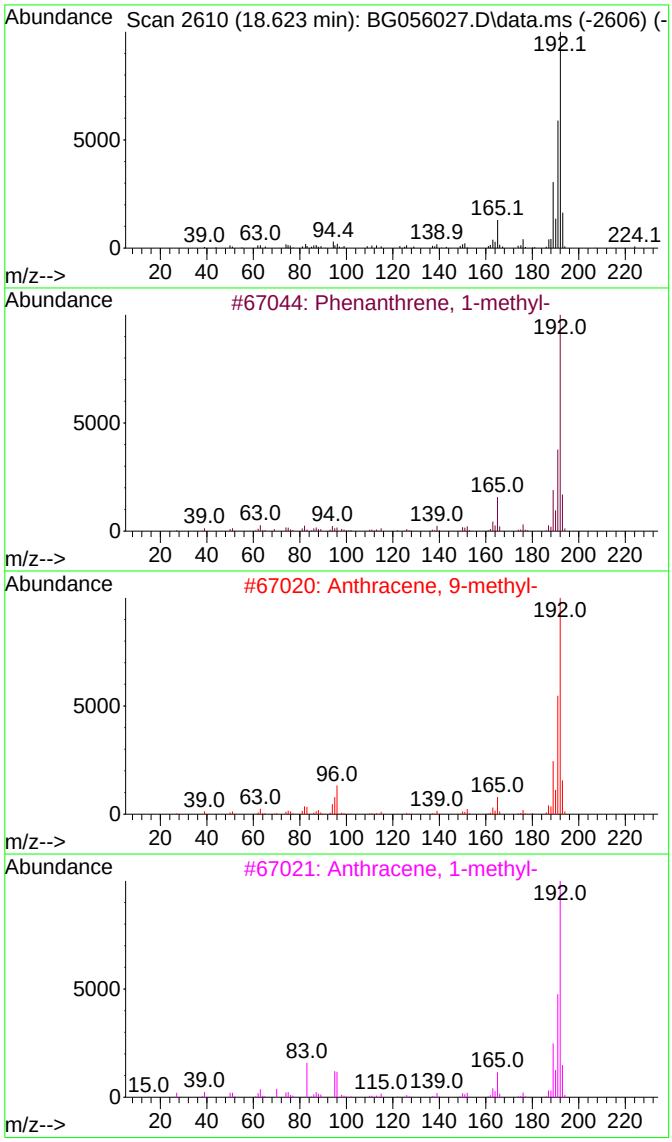
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

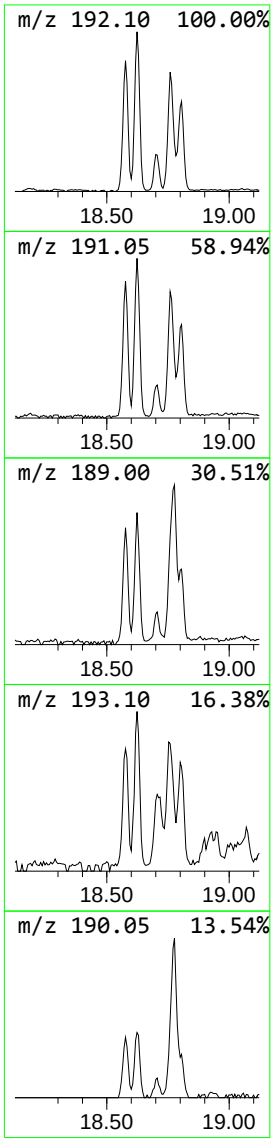
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.623	14.05 ng	135739	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

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

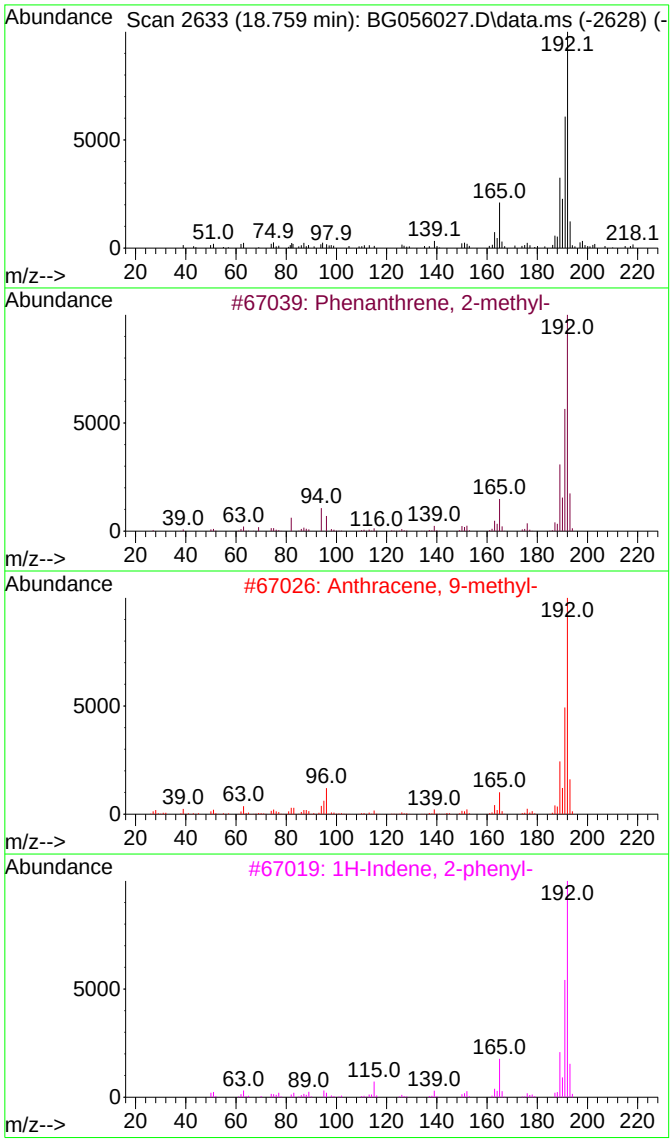
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

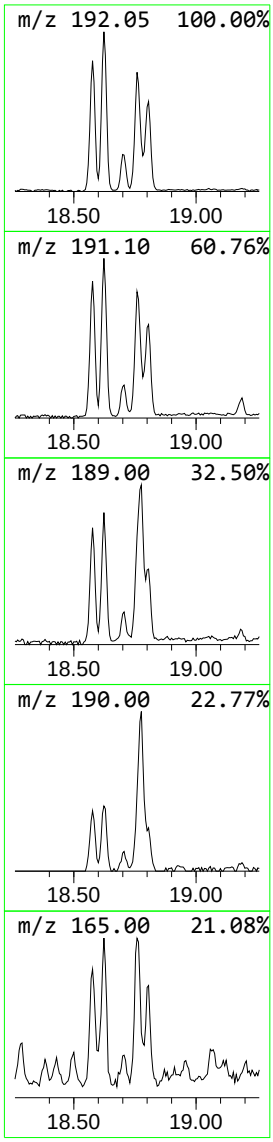
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.759	15.55 ng	150230	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76





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Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

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

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

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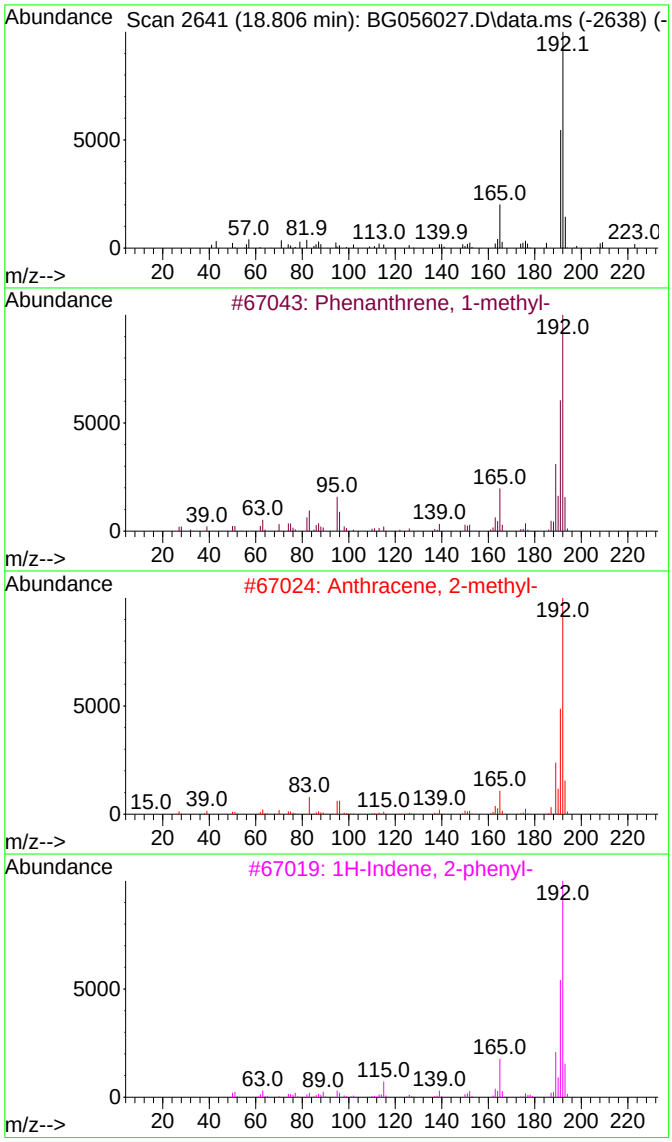
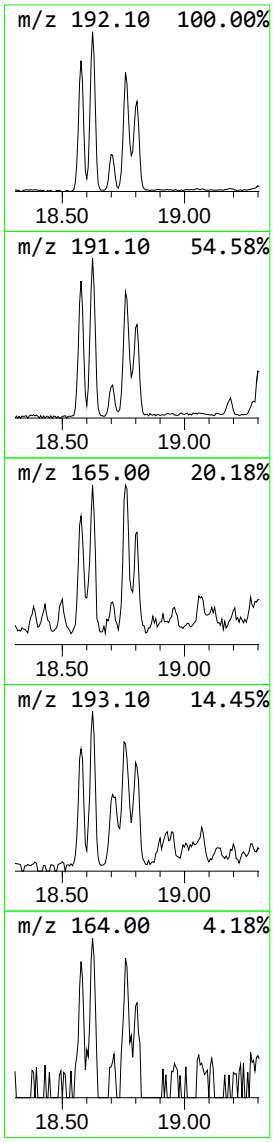
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.805	7.37 ng	71232	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





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Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-141522

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

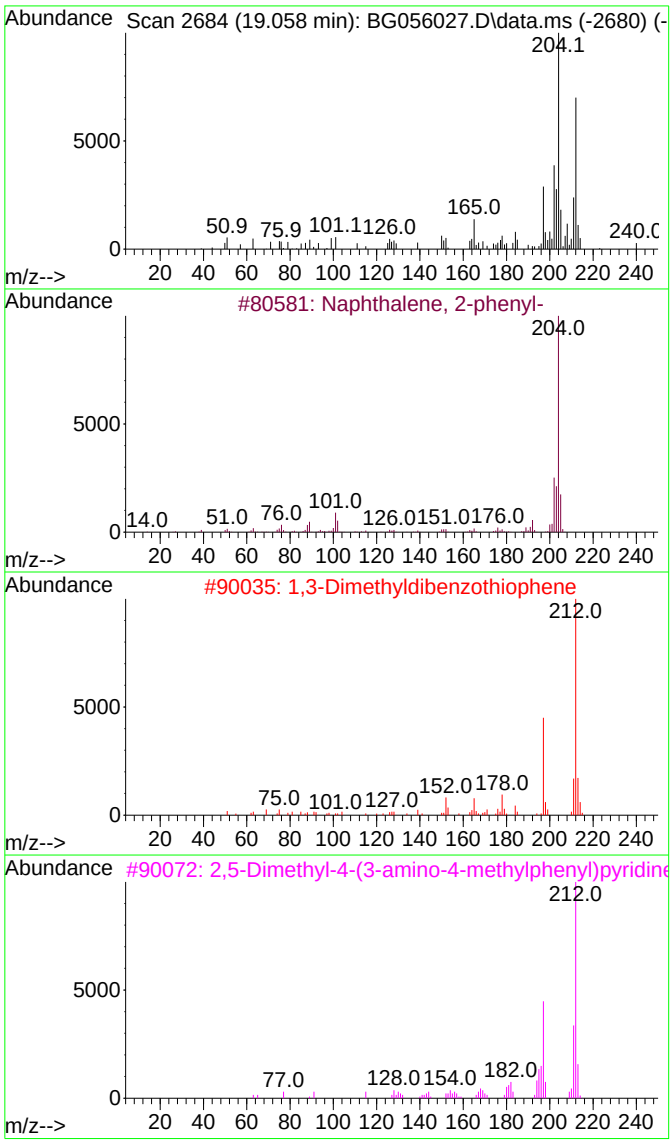
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

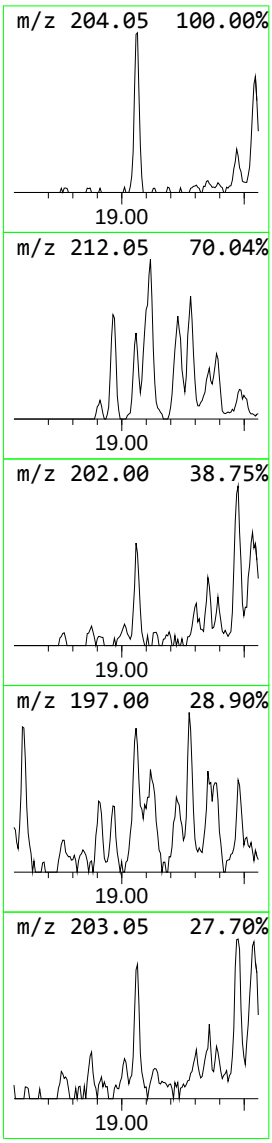
****

Peak Number 8 unknown19.058 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.058	5.09 ng	49202	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
2	1,3-Dimethyldibenzothiophene	212	C14H12S	1010383-55-0	35
3	2,5-Dimethyl-4-(3-amino-4-methyl...	212	C14H16N2	071153-33-8	30
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	30
5	2-Amino-3,4-dimethylimidazo(4,5-...	212	C12H12N4	1000423-13-9	25





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Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

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

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

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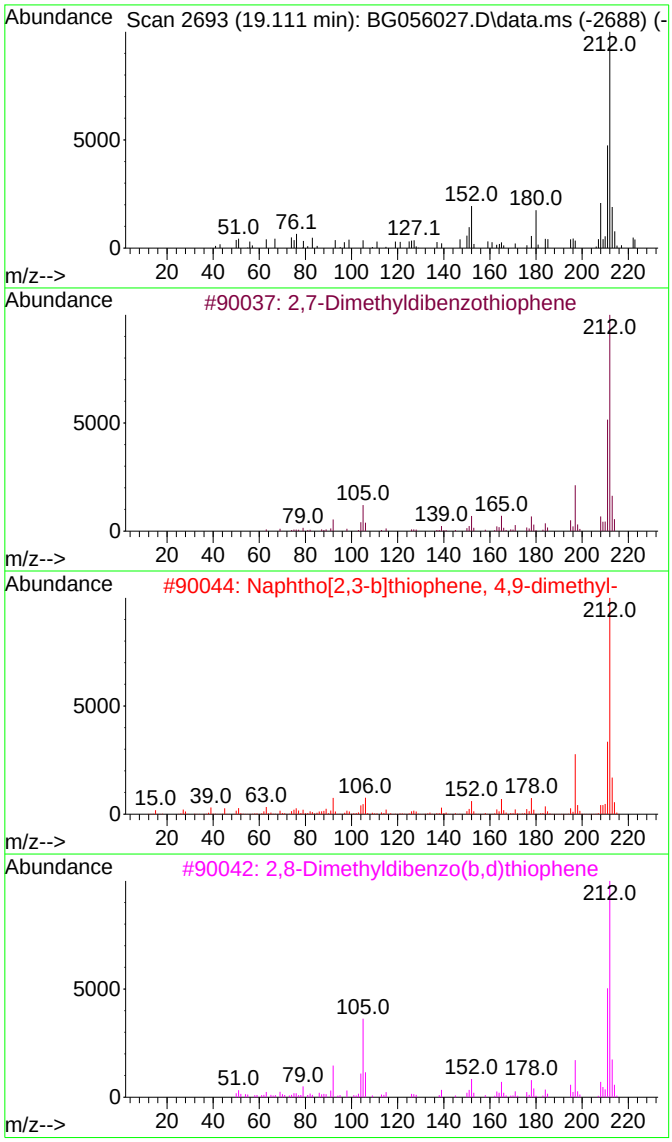
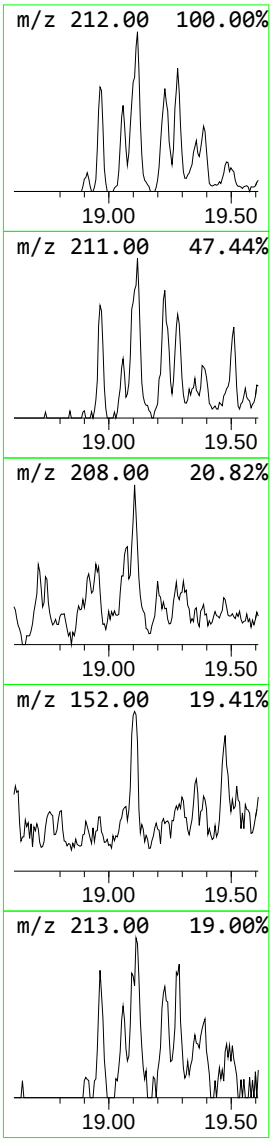
Peak Number 9 2,7-Dimethyldibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.111	7.08 ng	68412	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	74
2	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	72
3	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	68
4	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	68
5	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	64





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Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

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

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

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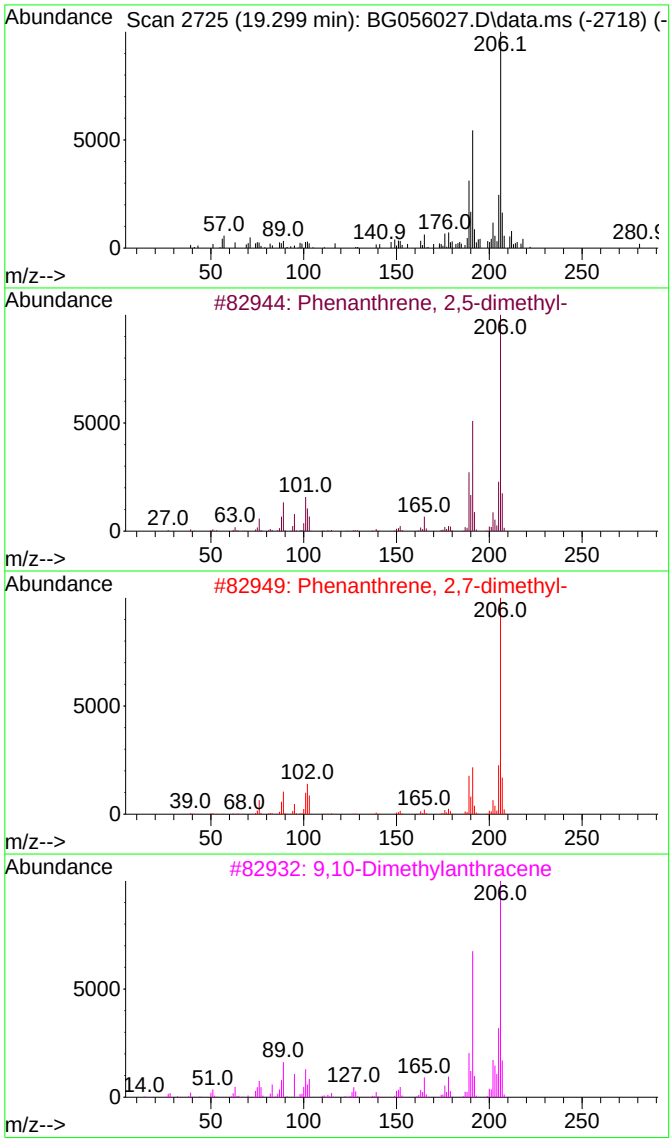
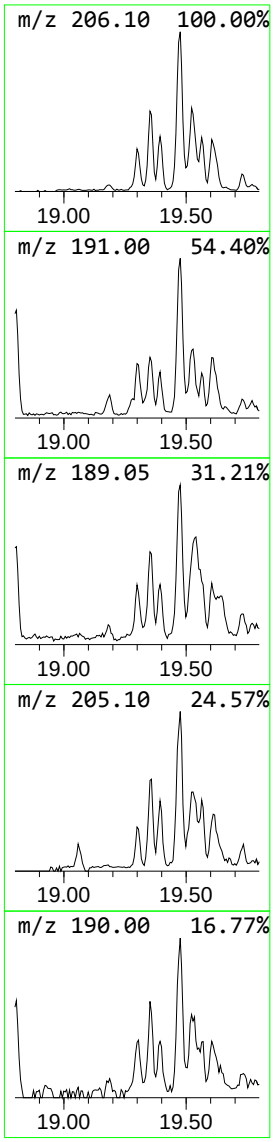
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.299	7.45 ng	71952	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	80
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	74





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Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

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

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

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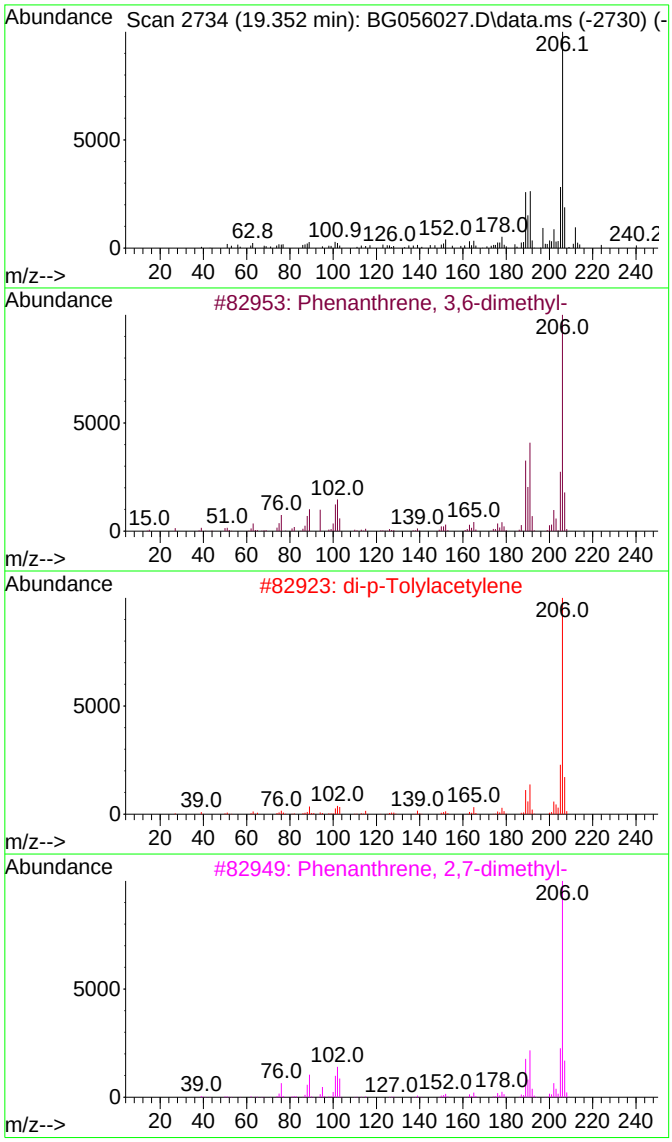
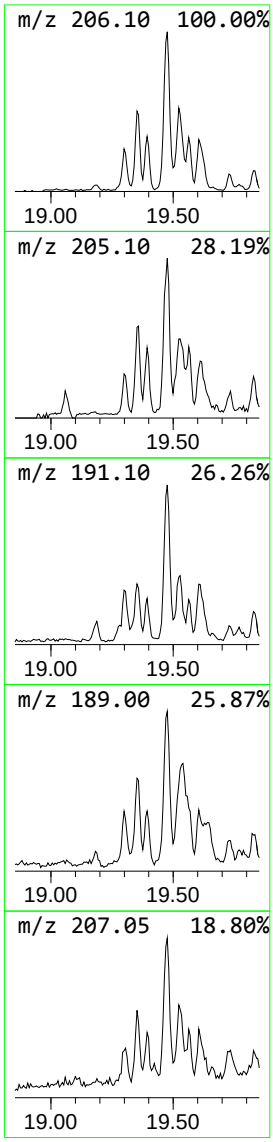
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.352	7.43 ng	71802	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	72
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	68





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Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

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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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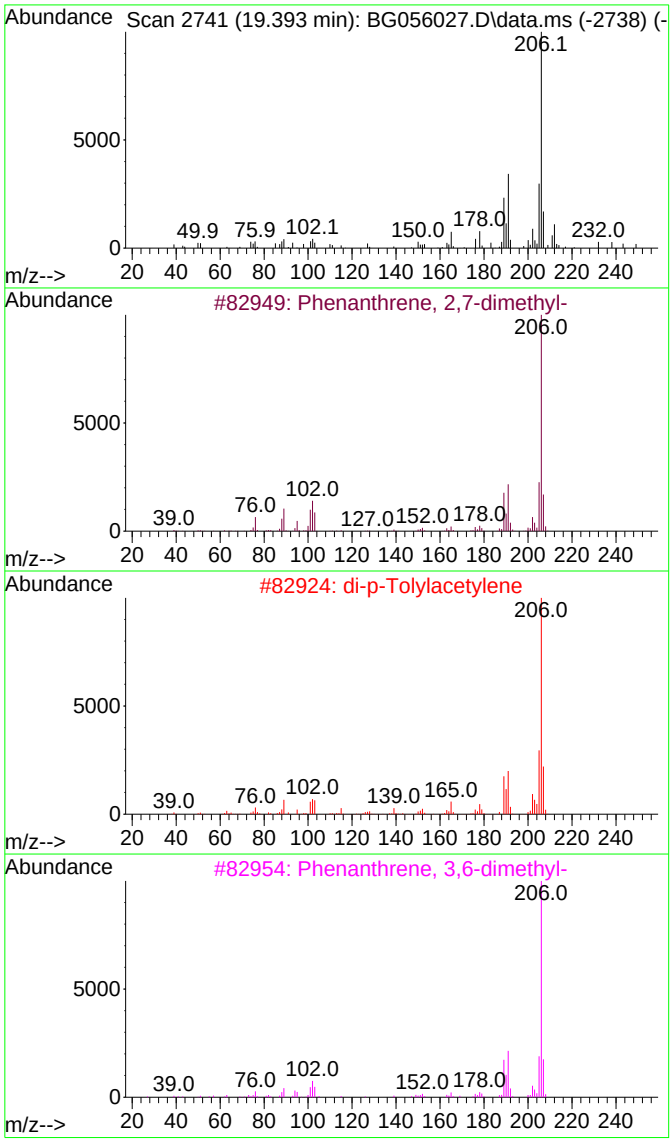
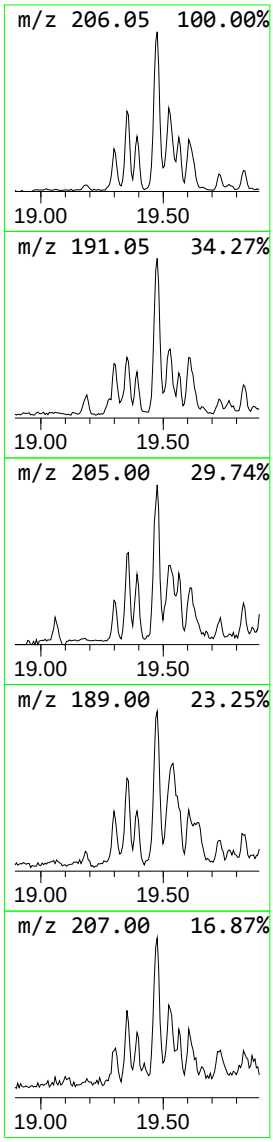
Peak Number 12 Phenanthrene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.393	5.27 ng	50877	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	80
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	74





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Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 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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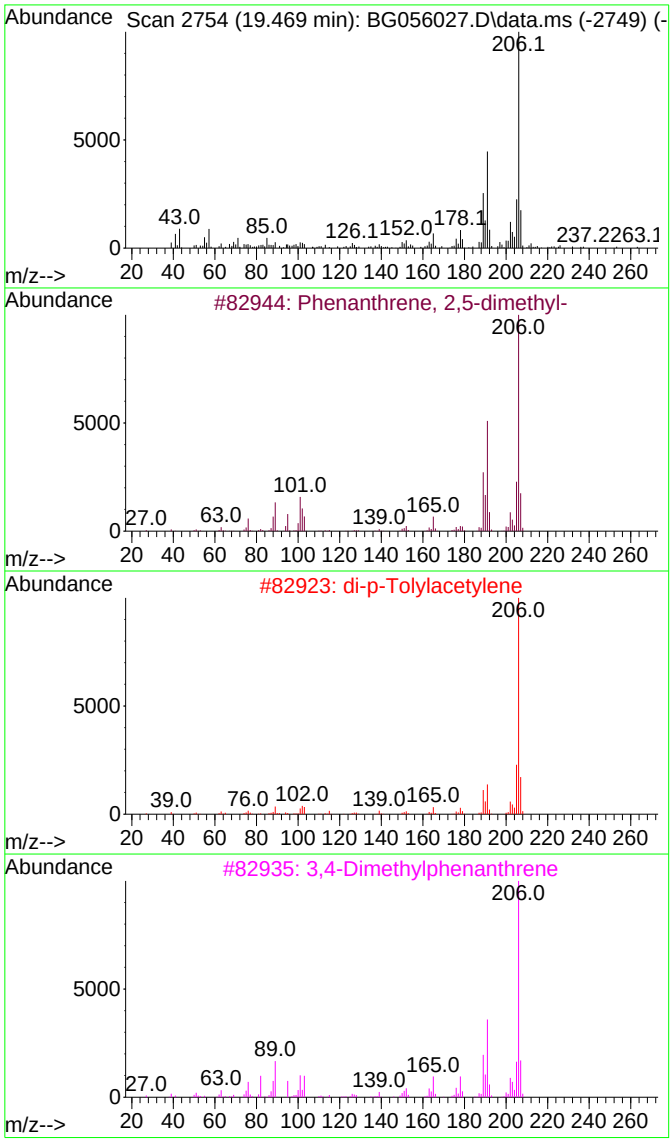
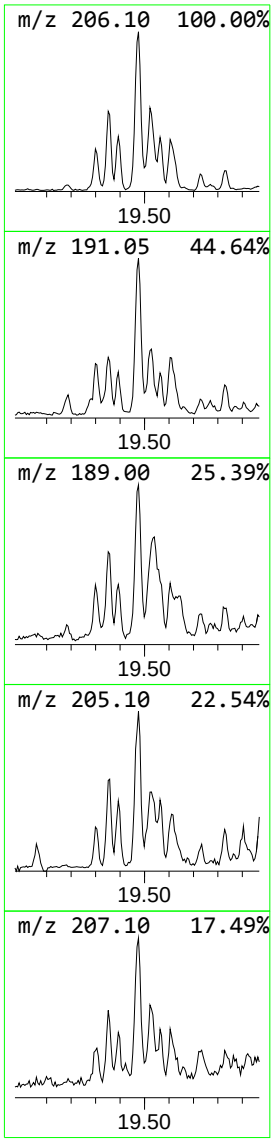
Peak Number 13 di-p-Tolylacetylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.469	27.72 ng	267765	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





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Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 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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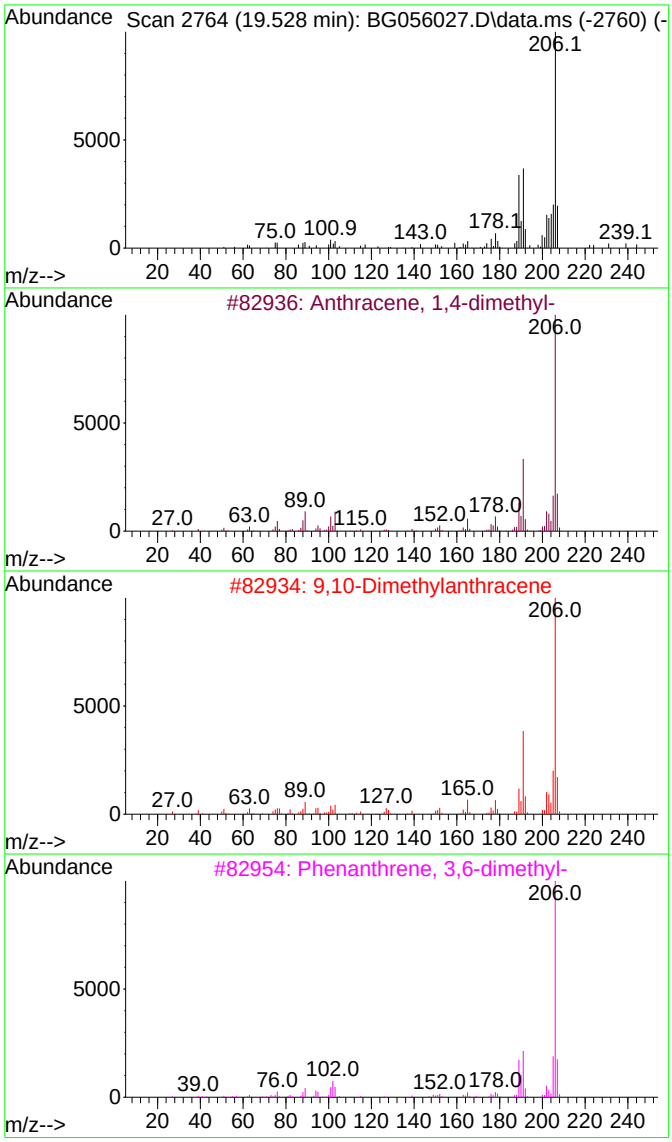
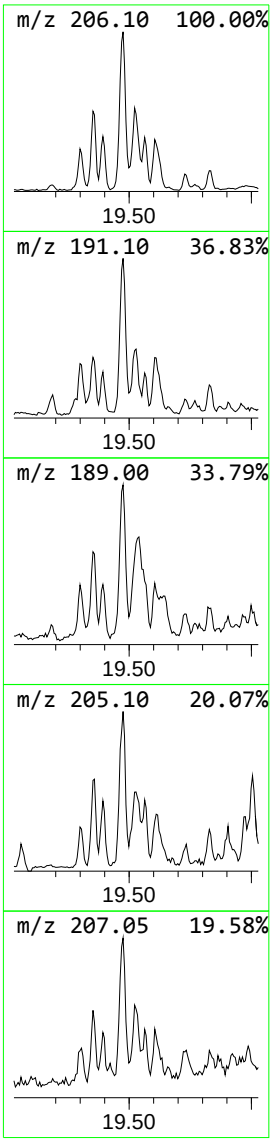
Peak Number 14 Anthracene, 1,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.528	4.27 ng	41255	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81





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Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-141522

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

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

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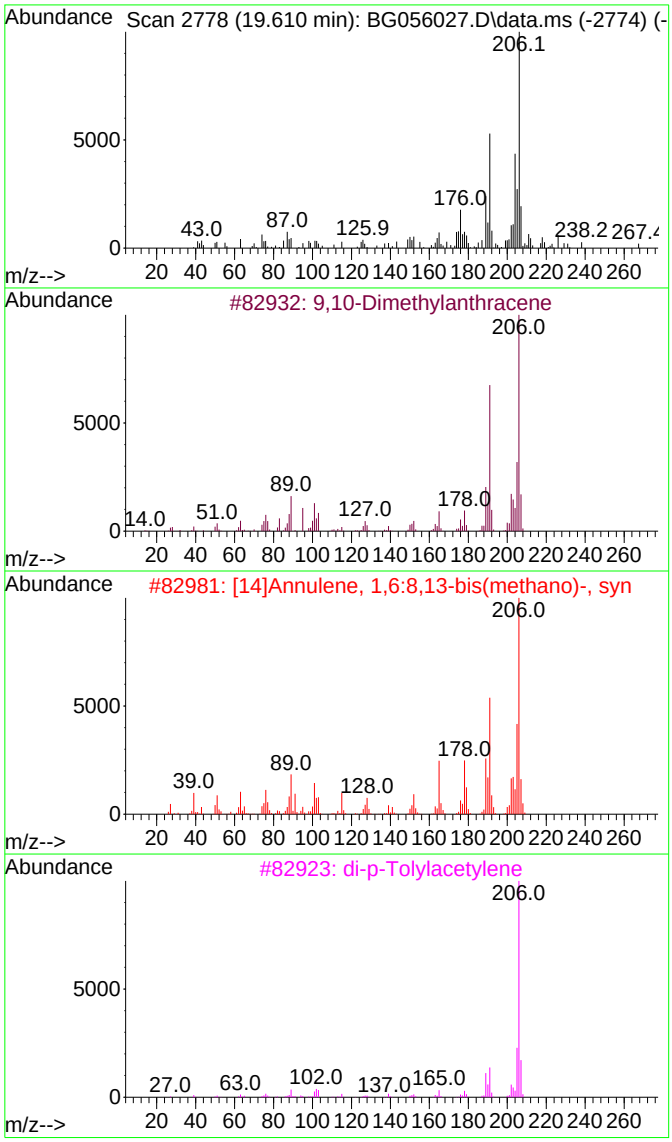
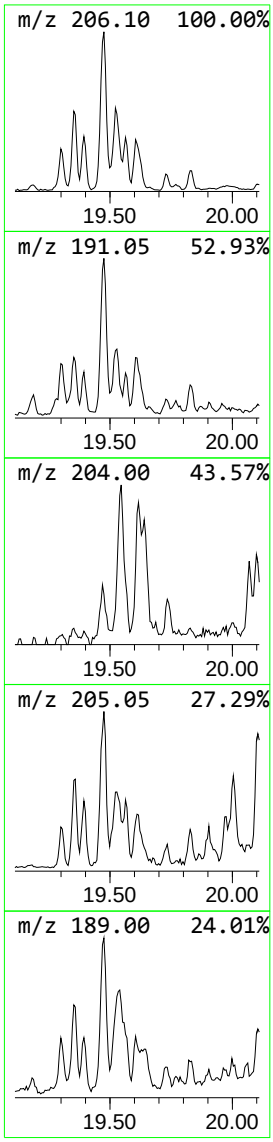
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.610	9.92 ng	95817	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	70
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	62
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	62





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ALS Vial : 4 Sample Multiplier: 1

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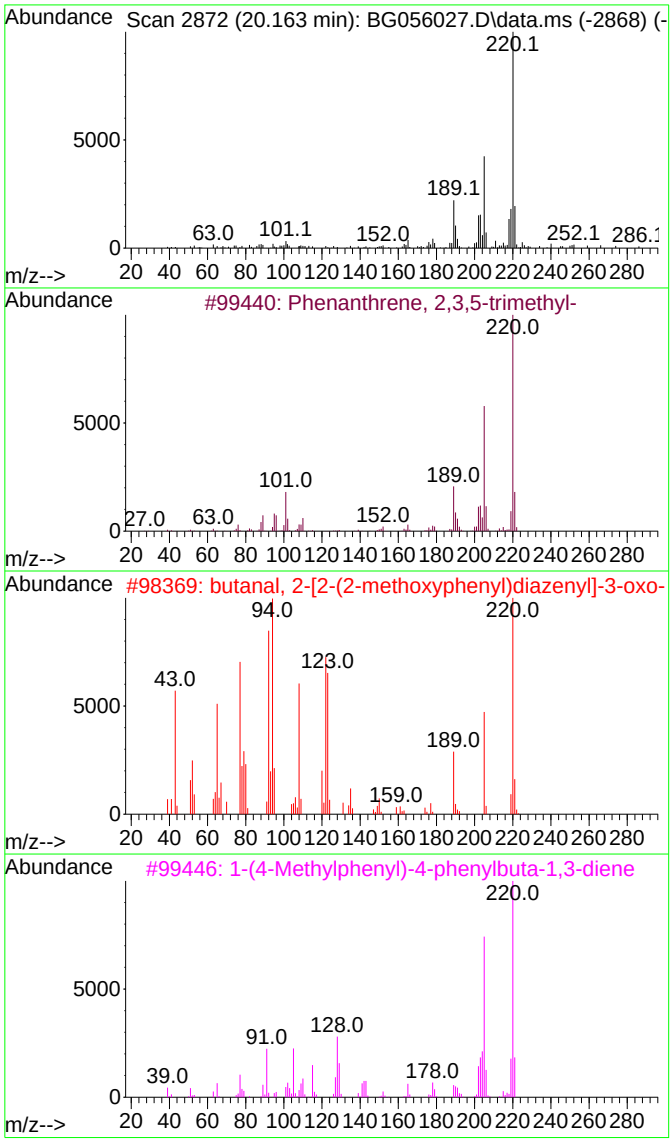
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

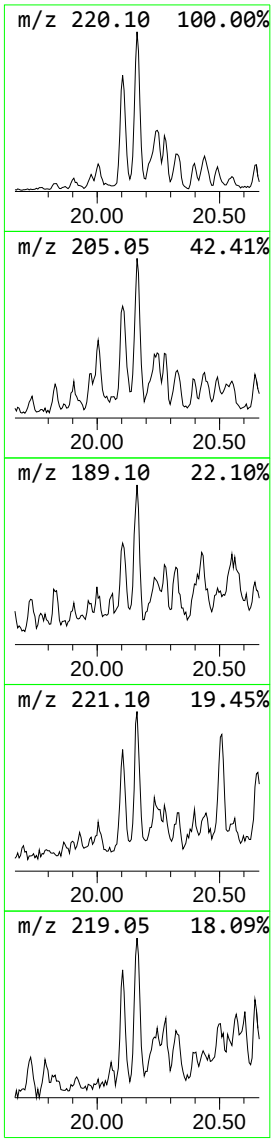
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.163	6.29 ng	117689	Chrysene-d12	22.014

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	80
2	butanal, 2-[2-(2-methoxyphenyl)d...	220	C11H12N2O3	1000396-24-5	72
3	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	64
4	1-Penten-3-one, 4-methyl-1-[2,6,...	220	C15H24O	1000132-20-9	59
5	1-(Hydroxy-phenyl-methyl)-2-meth...	408	C27H36O3	108546-86-7	53





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Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

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

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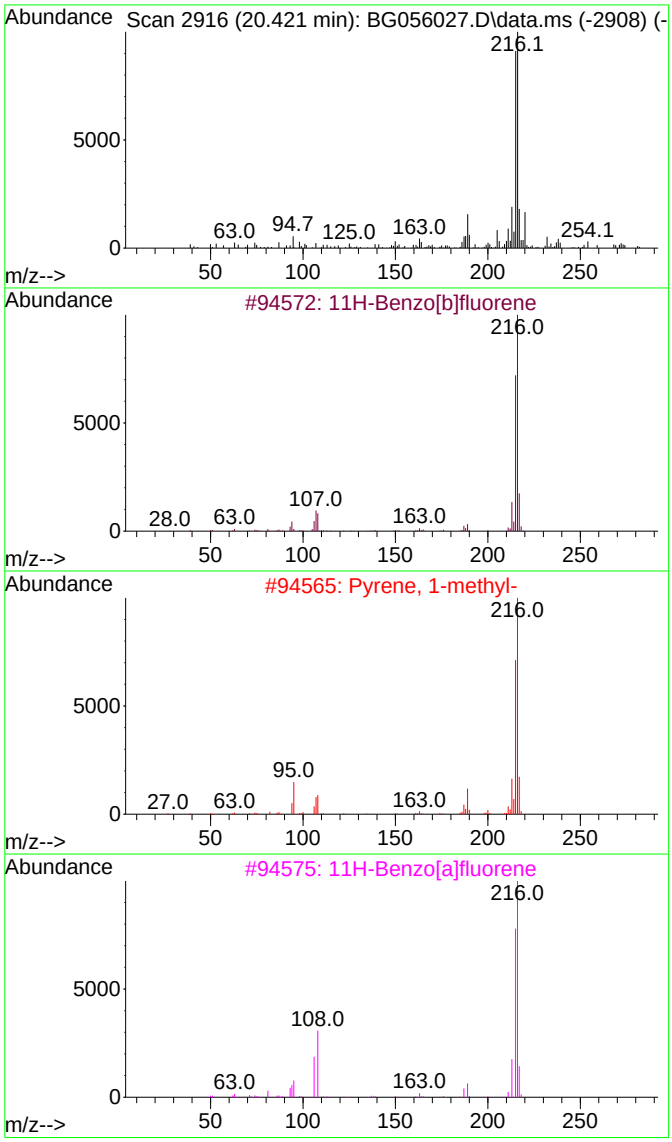
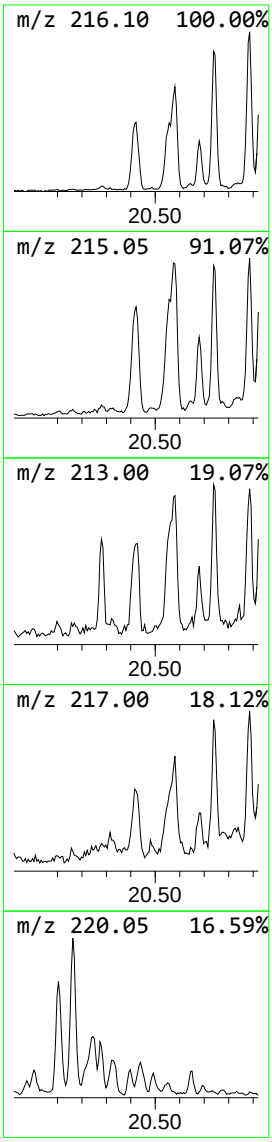
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.421	8.00 ng	149625	Chrysene-d12	22.014

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

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

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

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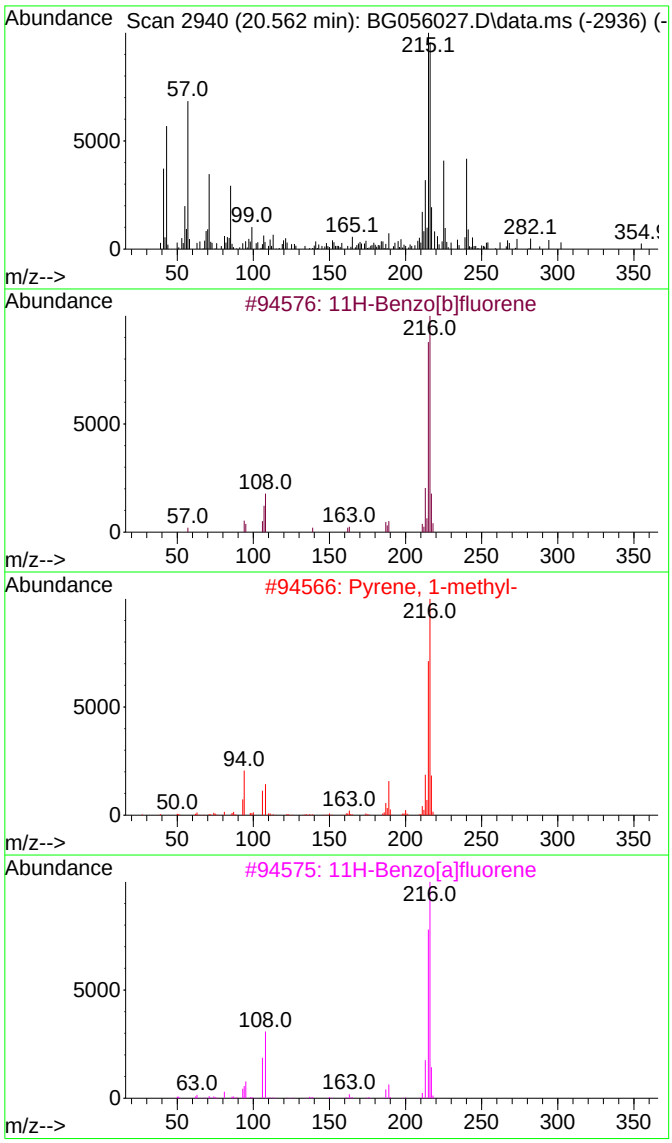
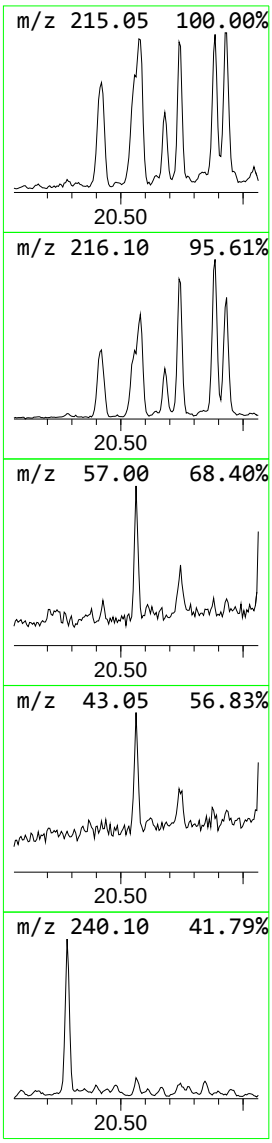
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.562	7.45 ng	139478	Chrysene-d12	22.014

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	49
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	47
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	47
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	47
5	Allopregnane-3.alpha.,20.alpha.-...	320	C21H36O2	000566-58-5	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

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

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

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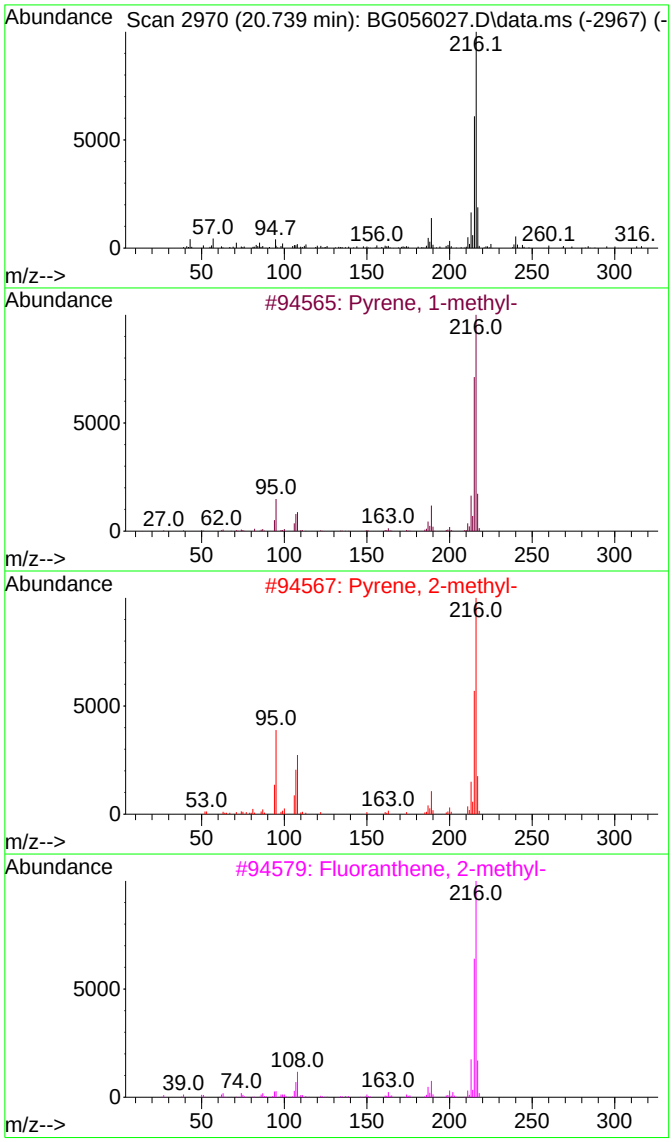
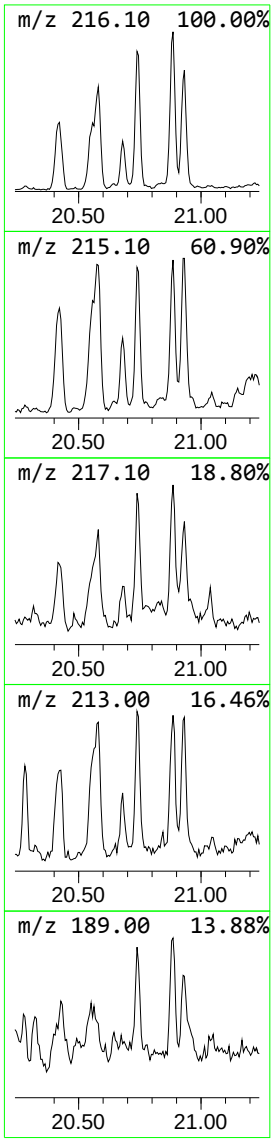
Peak Number 19 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.739	4.31 ng	80734	Chrysene-d12	22.014

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

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

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

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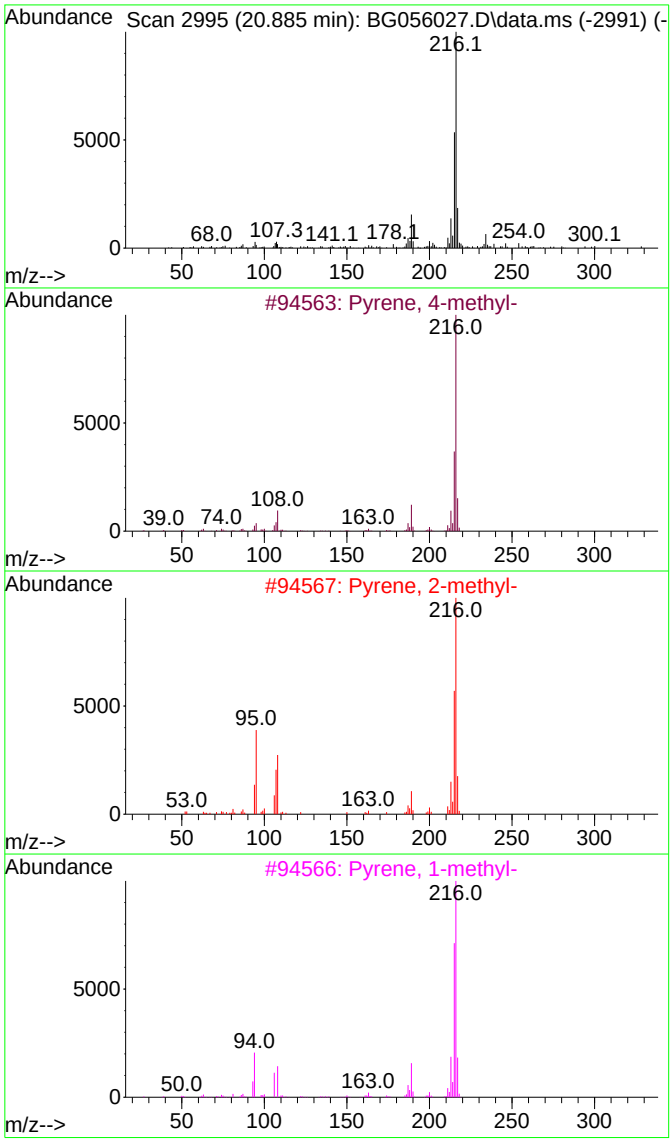
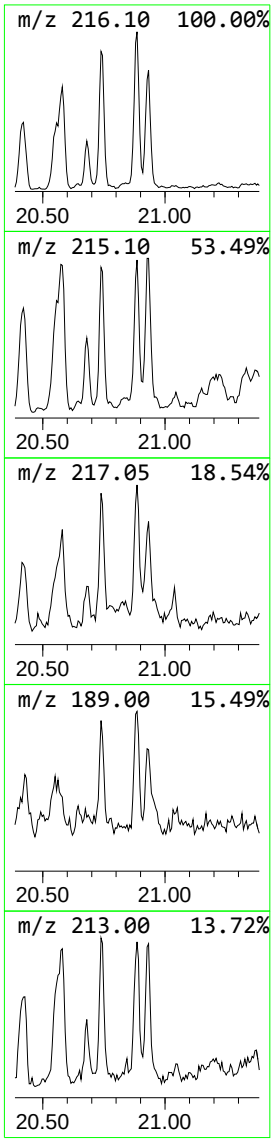
Peak Number 20 Pyrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.885	5.69 ng	106462	Chrysene-d12	22.014

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056027.D
Acq On : 20 Dec 2022 12:58
Operator : CG/JU
Sample : N6086-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-141522

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.409	6.4	ng	22452	1	8.365	69917	20.0
Dibenzothiophen...	18.283	4.2	ng	40661	4	17.707	193211	20.0
Dibenzothiophen...	18.430	4.1	ng	39423	4	17.707	193211	20.0
Phenanthrene, 1...	18.576	15.1	ng	145450	4	17.707	193211	20.0
Anthracene, 9-m...	18.623	14.1	ng	135739	4	17.707	193211	20.0
Phenanthrene, 2...	18.759	15.6	ng	150230	4	17.707	193211	20.0
Anthracene, 2-m...	18.805	7.4	ng	71232	4	17.707	193211	20.0
unknown19.058	19.058	5.1	ng	49202	4	17.707	193211	20.0
2,7-Dimethyldib...	19.111	7.1	ng	68412	4	17.707	193211	20.0
Phenanthrene, 2...	19.299	7.5	ng	71952	4	17.707	193211	20.0
Phenanthrene, 3...	19.352	7.4	ng	71802	4	17.707	193211	20.0
Phenanthrene, 2...	19.393	5.3	ng	50877	4	17.707	193211	20.0
di-p-Tolylacety...	19.469	27.7	ng	267765	4	17.707	193211	20.0
Anthracene, 1,4...	19.528	4.3	ng	41255	4	17.707	193211	20.0
9,10-Dimethylan...	19.610	9.9	ng	95817	4	17.707	193211	20.0
Phenanthrene, 2...	20.163	6.3	ng	117689	5	22.014	374266	20.0
11H-Benzo[b]flu...	20.421	8.0	ng	149625	5	22.014	374266	20.0
Pyrene, 1-methyl-	20.562	7.5	ng	139478	5	22.014	374266	20.0
Pyrene, 2-methyl-	20.739	4.3	ng	80734	5	22.014	374266	20.0
Pyrene, 4-methyl-	20.885	5.7	ng	106462	5	22.014	374266	20.0