LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061025.D
Acq On : 24 Apr 2024 14:42
Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

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-BG042024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG061025.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.165	25	30	41	rVB2	25297	52104	2.83%	0.239%
2	3.687	113	119	128	rBV	31886	53746	2.92%	0.247%
3	5.532	427	433	443	rBV	439279	710790	38.57%	3.266%
4	6.643	616	622	630	rVB	66616	109170	5.92%	0.502%
5	7.113	695	702	711	rBV	462768	794641	43.12%	3.651%
6	7.395	743	750	759	rVB	109926	188855	10.25%	0.868%
7	7.941	837	843	850	rBV	97272	165455	8.98%	0.760%
8	9.099	1032	1040	1048	rVB	285059	490440	26.61%	2.254%
9	10.738	1312	1319	1326	rBV	123243	212889	11.55%	0.978%
10	11.472	1438	1444	1451	rBV2	12768	23111	1.25%	0.106%
11	13.194	1729	1737	1744	rBV	719717	1087873	59.04%	4.999%
12	13.905	1852	1858	1862	rBV3	59840	88212	4.79%	0.405%
13	14.293	1918	1924	1928	rBV3	12491	19225	1.04%	0.088%
14	14.575	1961	1972	1977	rBV	204301	325332	17.65%	1.495%
15	14.633	1977	1982	1989	rVB2	36273	60122	3.26%	0.276%
16	14.968	2034	2039	2047	rBV2	30472	51245	2.78%	0.235%
17	15.621	2145	2150	2155	rBV	61769	91980	4.99%	0.423%
18	16.061	2219	2225	2233	rBV	787576	1173330	63.67%	5.391%
19	16.625	2314	2321	2325	rBV3	13613	25629	1.39%	0.118%
20	17.136	2404	2408	2417	rVB	35860	54868	2.98%	0.252%
21	17.319	2432	2439	2443	rBV	274283	430532	23.36%	1.978%
22	17.366	2443	2447	2453	rVV	629716	911638	49.47%	4.189%
23	17.454	2453	2462	2467	rVV	227355	343728	18.65%	1.579%
24	17.507	2467	2471	2477	rVB	102531	158159	8.58%	0.727%
25	17.718	2497	2507	2514	rBV	100757	178063	9.66%	0.818%
26	17.841	2523	2528	2532	rBV4	13850	21160	1.15%	0.097%
27	17.906	2532	2539	2543	rVB3	13422	22671	1.23%	0.104%
28	18.200	2579	2589	2590	rBV	90974	140134	7.60%	0.644%
29	18.223	2590	2593	2595	rVV	113743	174133	9.45%	0.800%
30	18.247	2595	2597	2604	rVB	139481	166530	9.04%	0.765%
31	18.329	2605	2611	2616	rBV2	53822	82077	4.45%	0.377%
32	18.394	2616	2622	2626	rBV3	168930	305663	16.59%	1.405%
33	18.429	2626	2628	2634	rVB	69038	81305	4.41%	0.374%
34	18.511	2636	2642	2643	rBV4	18757	30462	1.65%	0.140%
35	18.693	2668	2673	2677	rBV	73303	103655	5.63%	0.476%
36	18.823	2692	2695	2698	rBV2	17052	22240	1.21%	0.102%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061025.D
Acq On : 24 Apr 2024 14:42
Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

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-BG042024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.946	2712	2716	2719	rVB	38465	47798	2.59%	0.220%
38	18.993	2720	2724	2728	rBV	36118	49590	2.69%	0.228%
39	19.028	2728	2730	2735	rVB	35058	42974	2.33%	0.197%
40	19.111	2739	2744	2749	rBV2	87316	158780	8.62%	0.730%
41	19.158	2749	2752	2753	rBV3	23299	26858	1.46%	0.123%
42	19.205	2758	2760	2763	rVB	28020	30845	1.67%	0.142%
43	19.252	2764	2768	2775	rVB3	38498	64554	3.50%	0.297%
44	19.381	2782	2790	2796	rBV	1167917	1740348	94.44%	7.997%
45	19.475	2803	2806	2807	rBV3	31081	31618	1.72%	0.145%
46	19.557	2817	2820	2825	rBV7	21021	45018	2.44%	0.207%
47	19.622	2827	2831	2834	rVB3	34153	49002	2.66%	0.225%
48	19.739	2841	2851	2859	rBV2	944524	1802685	97.83%	8.283%
49	19.810	2859	2863	2869	rVB3	87524	149426	8.11%	0.687%
50	19.945	2877	2886	2890	rBV	1289194	1842732	100.00%	8.467%
51	19.980	2890	2892	2896	rVB	86798	95897	5.20%	0.441%
52	20.074	2901	2908	2913	rBV3	64629	186076	10.10%	0.855%
53	20.197	2926	2929	2931	rBV3	32145	43414	2.36%	0.199%
54	20.233	2931	2935	2938	rVB	187041	224770	12.20%	1.033%
55	20.333	2947	2952	2956	rBV	225368	304759	16.54%	1.400%
56	20.391	2956	2962	2966	rVV2	135499	247034	13.41%	1.135%
57	20.427	2966	2968	2972	rVB3	46766	55984	3.04%	0.257%
58	20.527	2982	2985	2989	rBV	48755	70665	3.83%	0.325%
59	20.574	2990	2993	2997	rVV	79862	118247	6.42%	0.543%
60	20.609	2997	2999	3007	rVB3	46831	68591	3.72%	0.315%
61	20.709	3012	3016	3021	rVB5	79738	126480	6.86%	0.581%
62	21.085	3077	3080	3085	rVB2	86233	116259	6.31%	0.534%
63	21.167	3092	3094	3098	rVB	59800	67744	3.68%	0.311%
64	21.214	3098	3102	3105	rVB2	86498	105615	5.73%	0.485%
65	21.255	3105	3109	3115	rVB2	117737	190354	10.33%	0.875%
66	21.514	3151	3153	3156	rBV3	40785	55227	3.00%	0.254%
67	21.566	3156	3162	3169	rVV3	637712	1541678	83.66%	7.084%
68	21.625	3169	3172	3182	rVB	464448	785973	42.65%	3.612%
69	21.772	3194	3197	3204	rBV2	89190	141386	7.67%	0.650%
70	21.978	3229	3232	3240	rVB2	67701	131382	7.13%	0.604%
71	23.729	3522	3530	3536	rBV2	229090	745139	40.44%	3.424%
72	24.428	3643	3649	3660	rVB	126859	358362	19.45%	1.647%
73	24.563	3665	3672	3687	rVB2	186837	519391	28.19%	2.387%
74	24.716	3690	3698	3705	rBV	156332	429012	23.28%	1.971%

Sum of corrected areas: 21762834

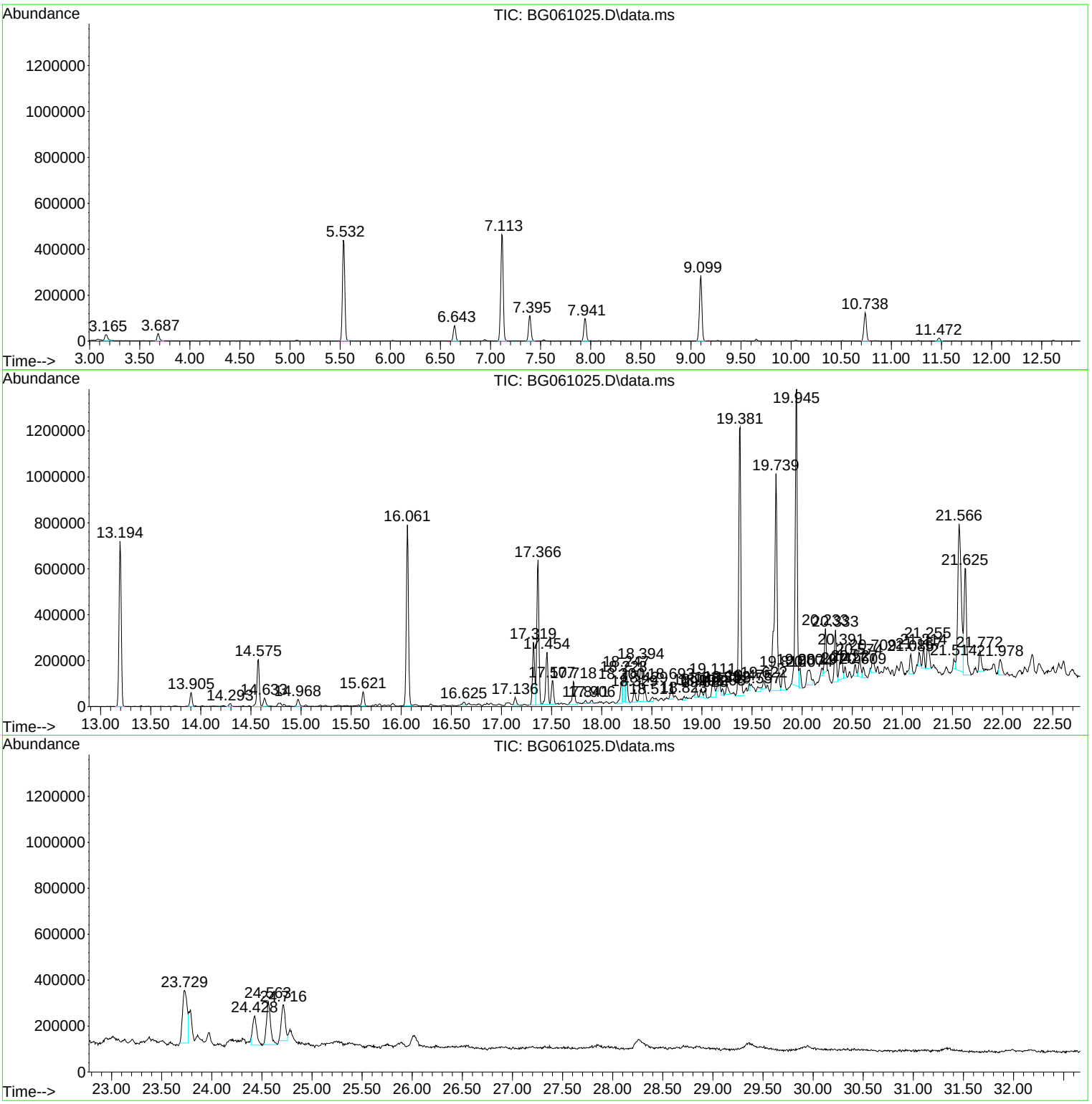
Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061025.D
Acq On : 24 Apr 2024 14:42
Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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\BG042424\
Data File : BG061025.D
Acq On : 24 Apr 2024 14:42
Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

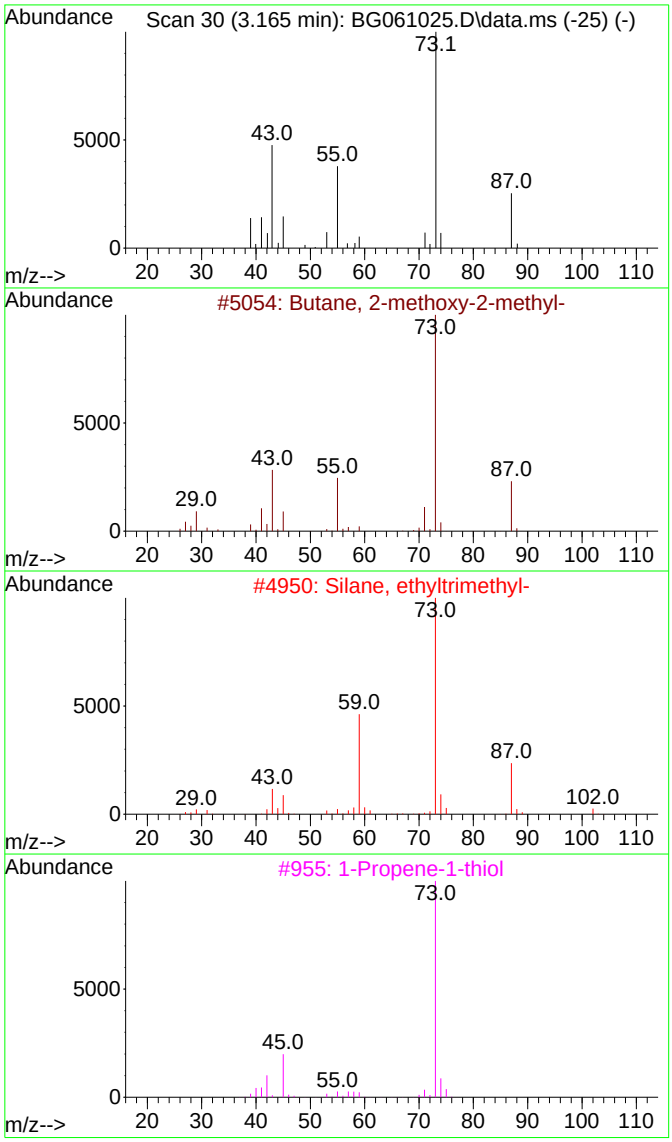
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

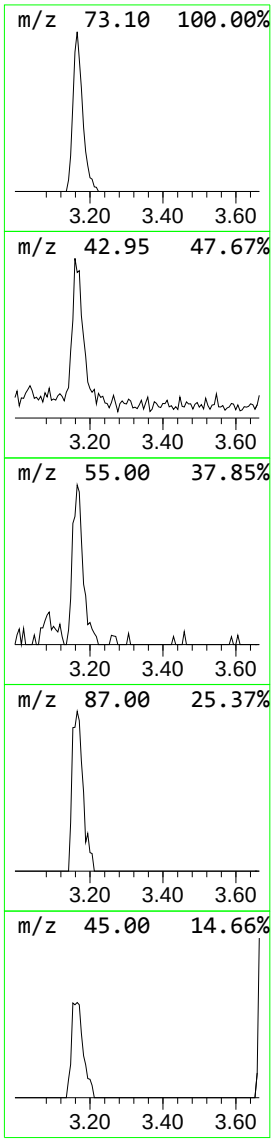
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.165	6.30 ng	52104	1,4-Dichlorobenzene-d4	7.941

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	38
3	1-Propene-1-thiol	74	C3H6S	000925-89-3	38
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	37
5	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061025.D
Acq On : 24 Apr 2024 14:42
Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

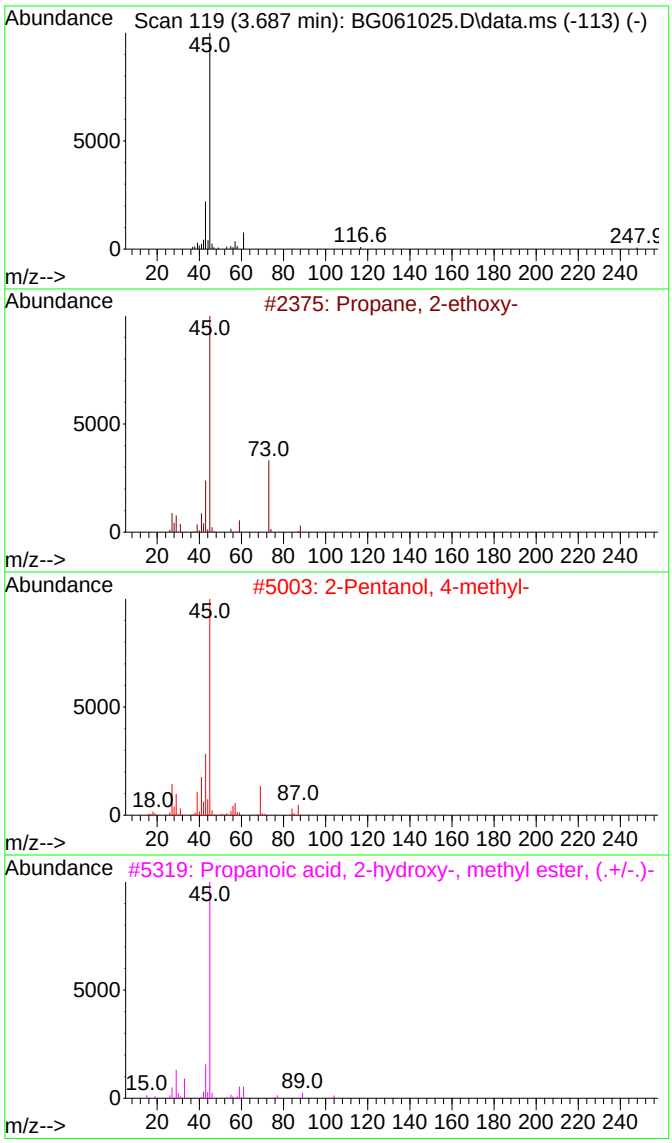
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

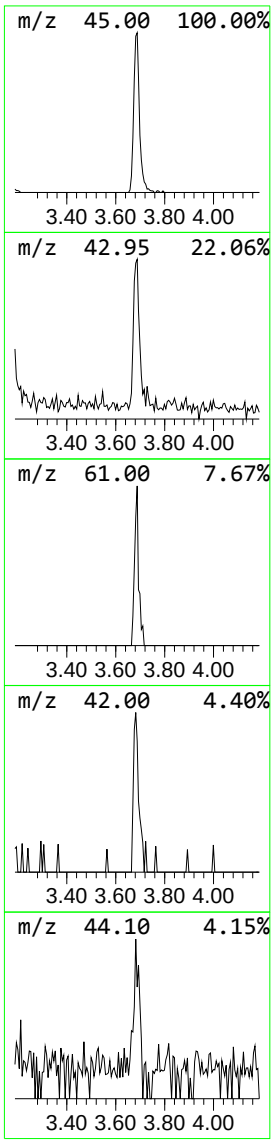
****

Peak Number 2 unknown3.687 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.687	6.50 ng	53746	1,4-Dichlorobenzene-d4	7.941

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	39
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	23
3	Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	000547-64-8	9
4	Methoxyacetic acid, pentyl ester	160	C8H16O3	168920-35-2	9
5	Hydrazine, (2-methoxyethyl)-	90	C3H10N2O	003044-15-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061025.D
Acq On : 24 Apr 2024 14:42
Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

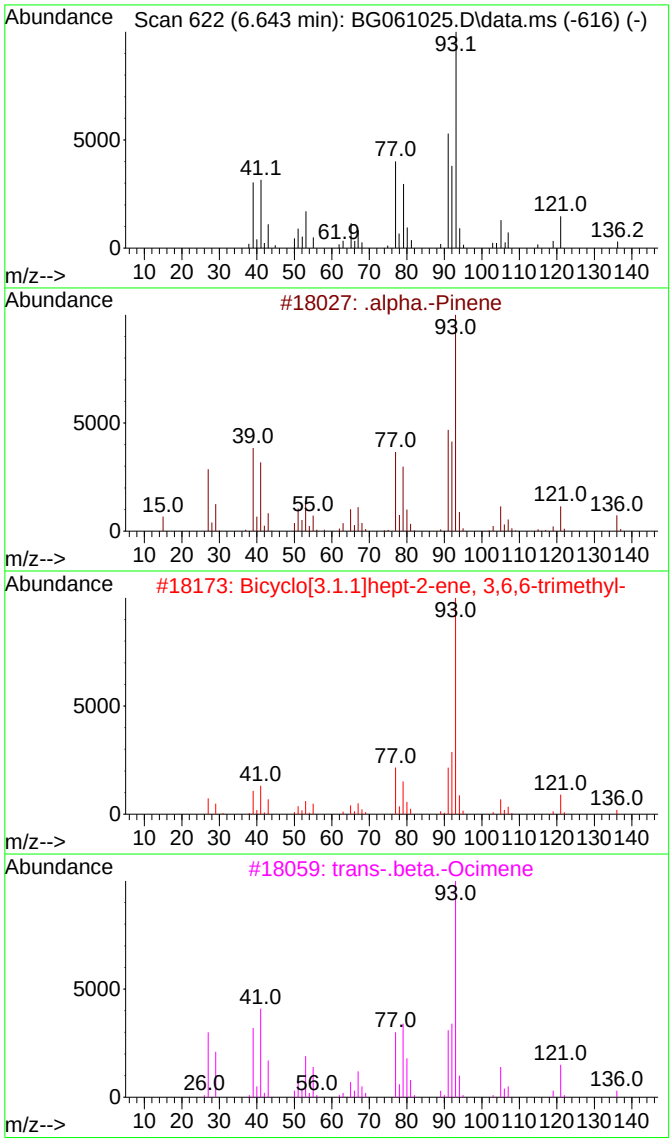
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

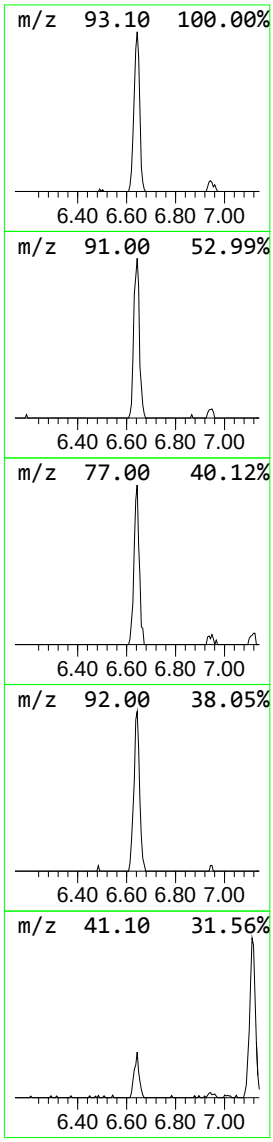
****

Peak Number 3 .alpha.-Pinene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.643	13.20 ng	109170	1,4-Dichlorobenzene-d4	7.941

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	91
2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	87
3	trans-.beta.-Ocimene	136	C10H16	003779-61-1	74
4	Bicyclo[2.2.1]hept-2-ene, 1,7,7-...	136	C10H16	000464-17-5	72
5	.alpha.-Phellandrene	136	C10H16	000099-83-2	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061025.D
Acq On : 24 Apr 2024 14:42
Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

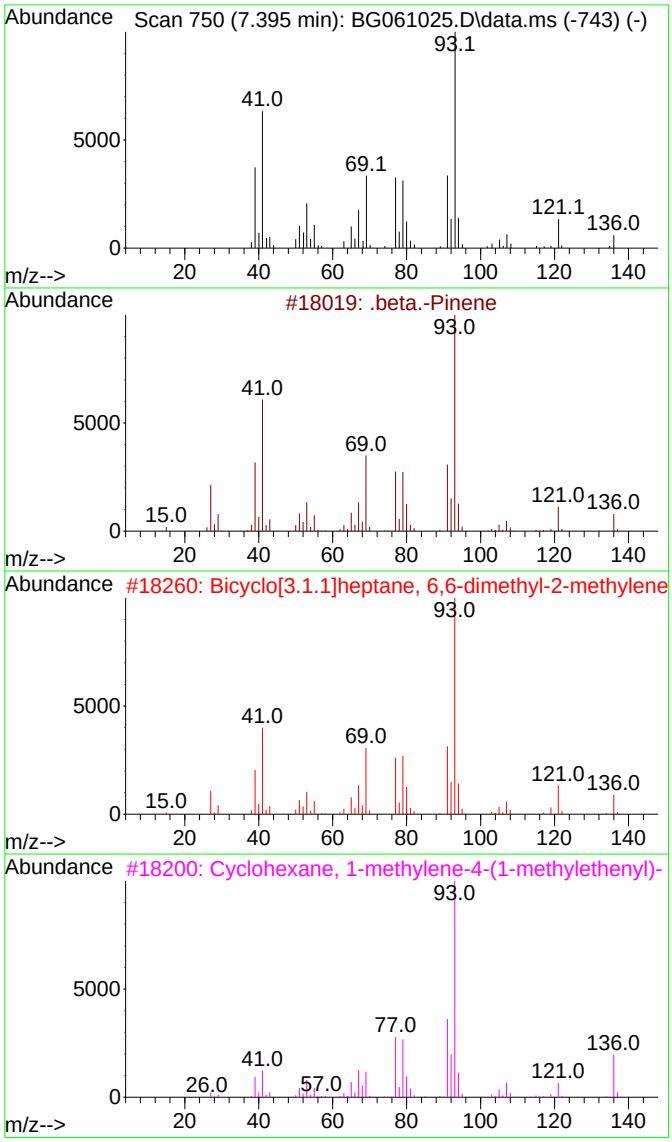
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

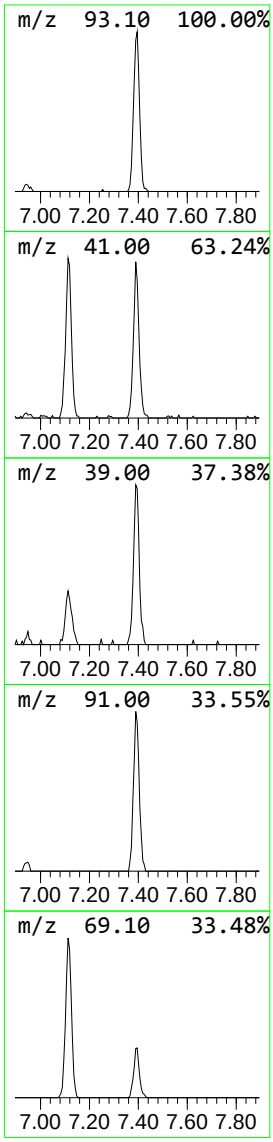
****

Peak Number 4 .beta.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.395	22.83 ng	188855	1,4-Dichlorobenzene-d4	7.941

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	91
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	90
3	Cyclohexane, 1-methylene-4-(1-me...	136	C10H16	000499-97-8	87
4	.beta.-Myrcene	136	C10H16	000123-35-3	87
5	1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061025.D
Acq On : 24 Apr 2024 14:42
Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

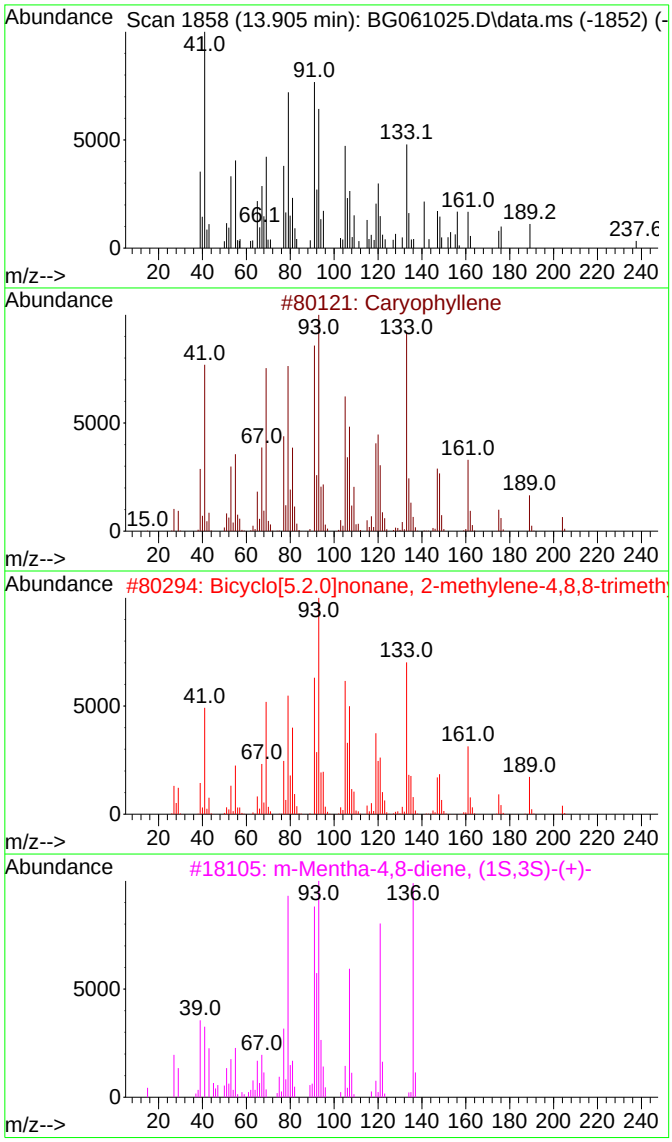
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

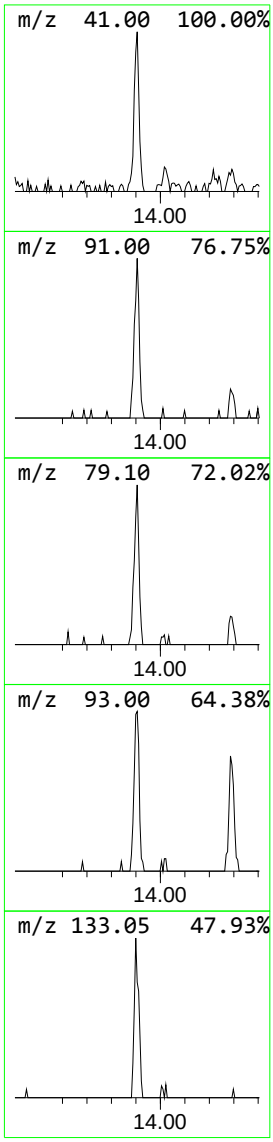
****

Peak Number 5 Caryophyllene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.905	5.42 ng	88212	Acenaphthene-d10	14.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Caryophyllene	204	C15H24	000087-44-5	81
2	Bicyclo[5.2.0]nonane, 2-methylen...	204	C15H24	242794-76-9	58
3	m-Mentha-4,8-diene, (1S,3S)-(+)-	136	C10H16	005208-51-5	46
4	Cyclohexene, 5-methyl-3-(1-methy...	136	C10H16	056816-08-1	42
5	Santolina triene	136	C10H16	002153-66-4	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061025.D
Acq On : 24 Apr 2024 14:42
Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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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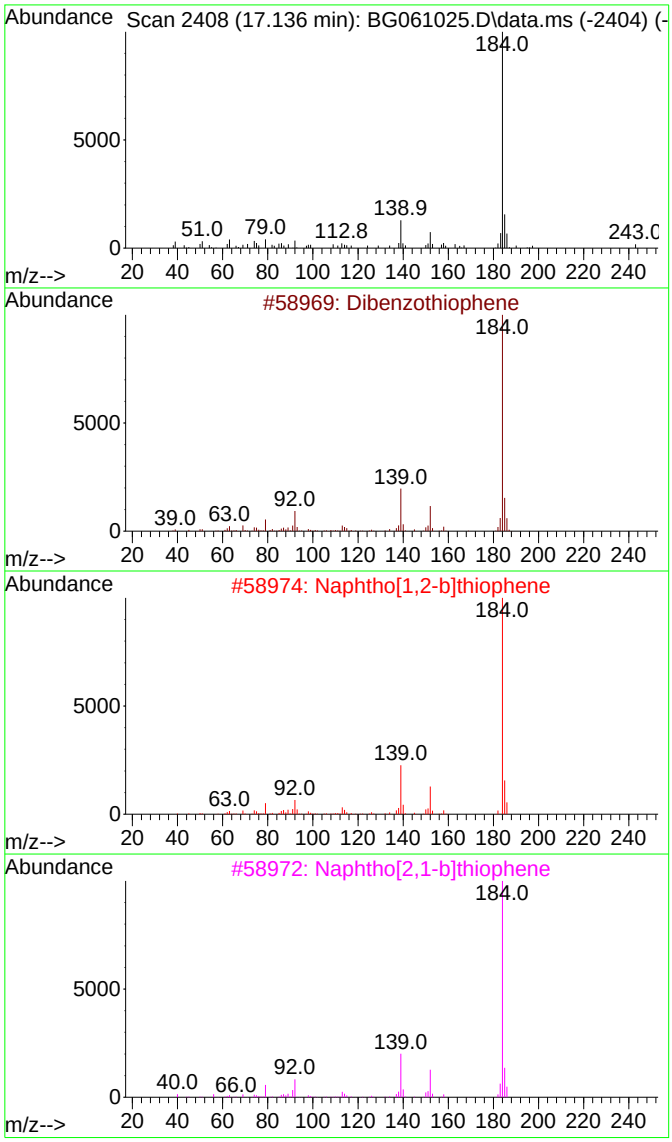
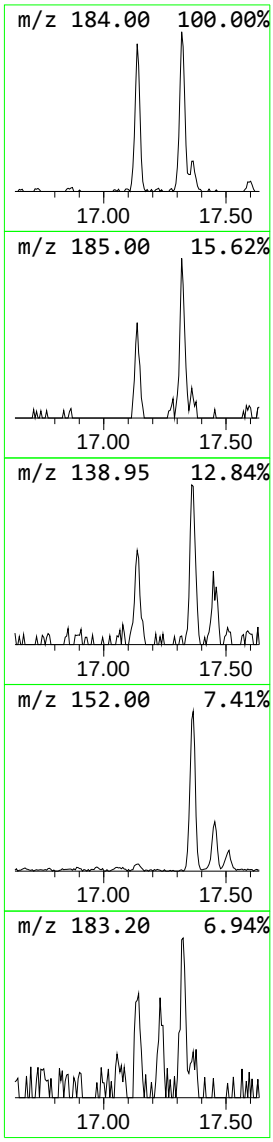
Peak Number 6 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.136	2.55 ng	54868	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061025.D
Acq On : 24 Apr 2024 14:42
Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

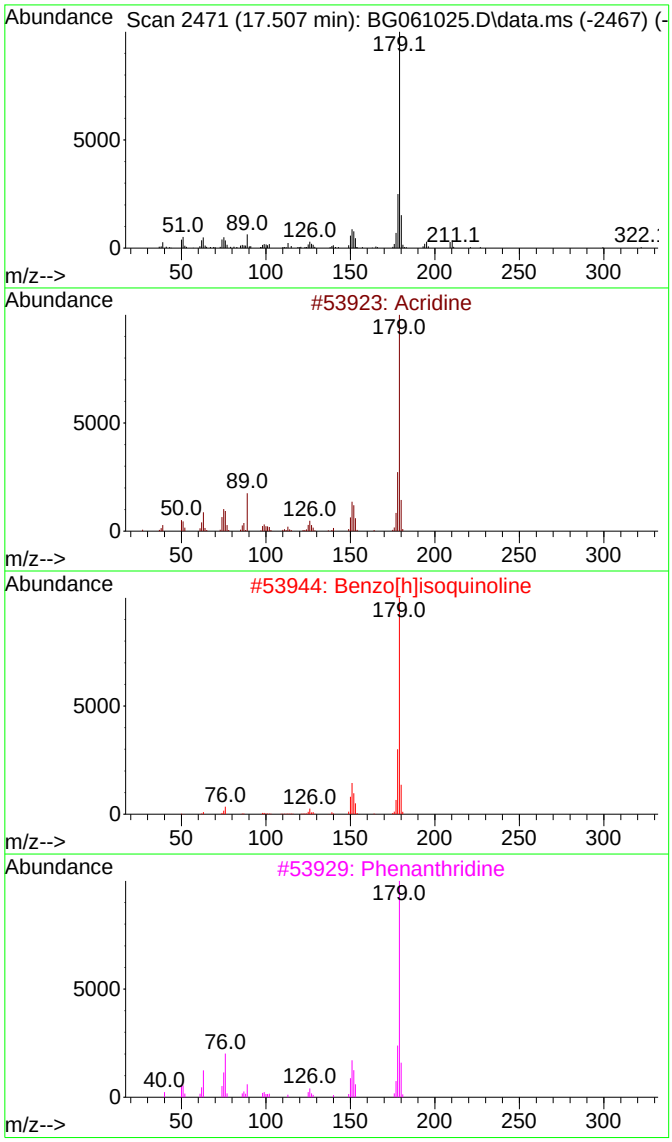
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

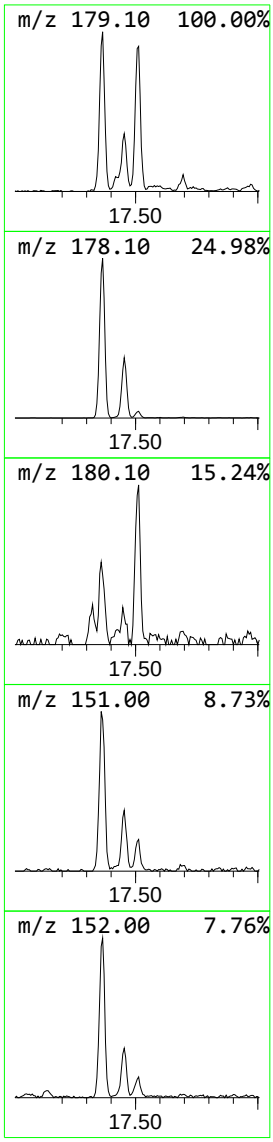
****

Peak Number 7 Acridine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.506	7.35 ng	158159	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	91
3	Phenanthridine	179	C13H9N	000229-87-8	91
4	Benzo[g]isoquinoline	179	C13H9N	000260-32-2	91
5	Benzo[h]quinoline	179	C13H9N	000230-27-3	91





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Acq On : 24 Apr 2024 14:42
Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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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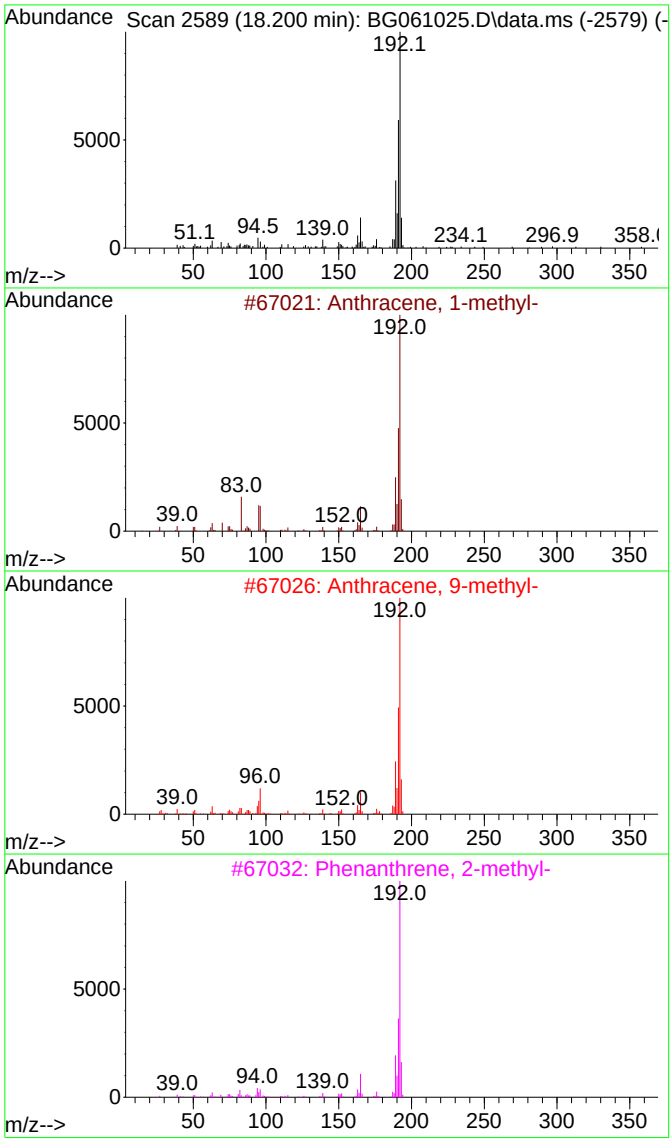
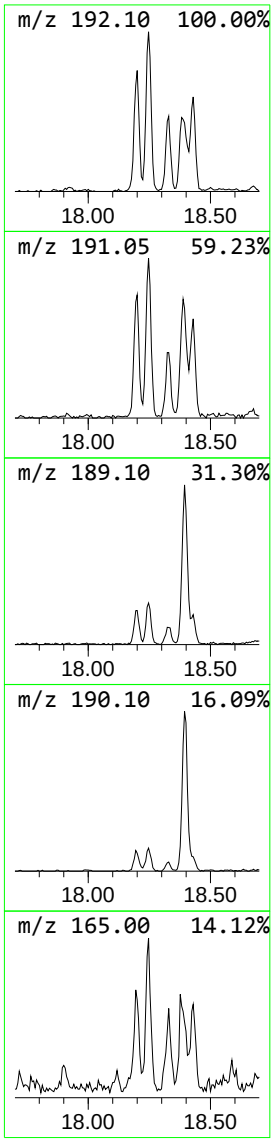
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.200	6.51 ng	140134	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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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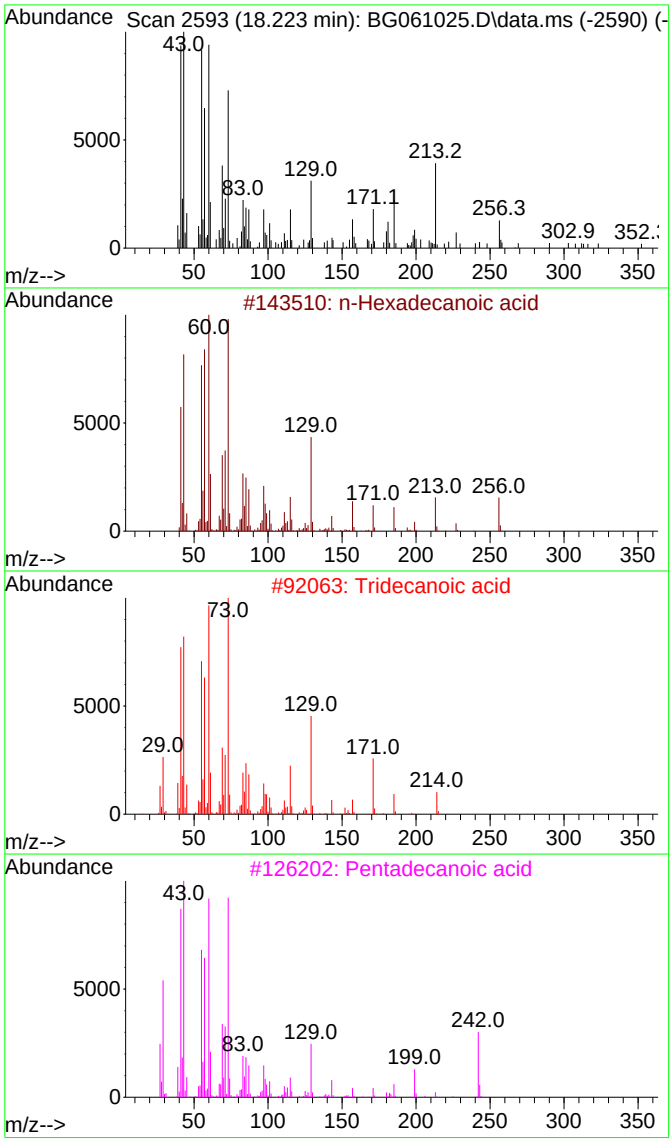
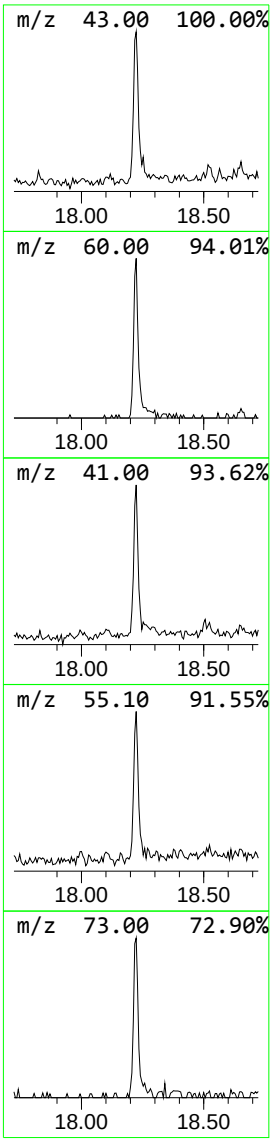
Peak Number 9 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.223	8.09 ng	174133	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	49
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	47
4	Dodecanoic acid	200	C12H24O2	000143-07-7	38
5	Nonanoic acid	158	C9H18O2	000112-05-0	38





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ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EXCAVATION-SOIL

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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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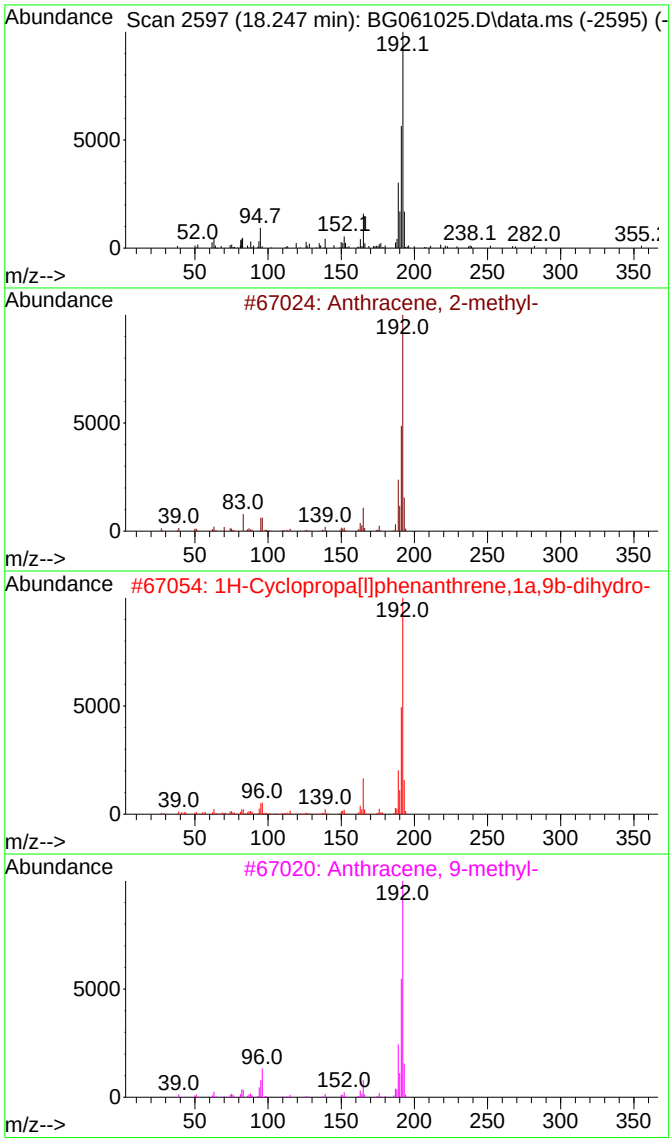
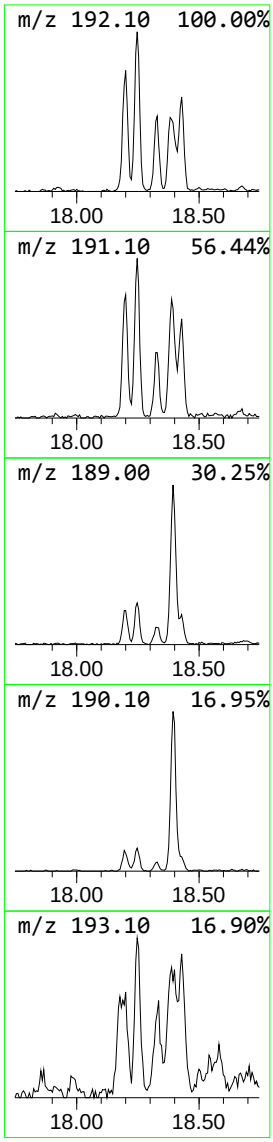
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.247	7.74 ng	166530	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81





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Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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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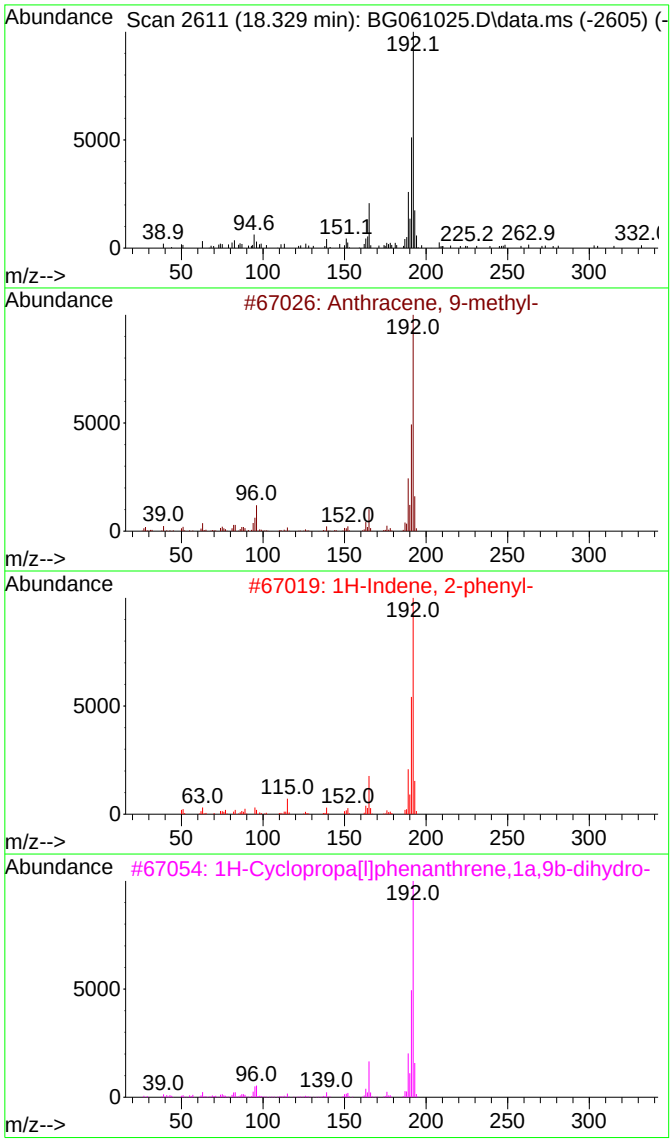
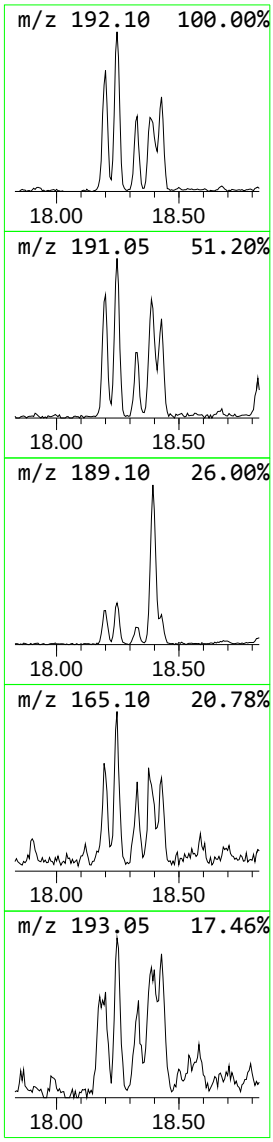
Peak Number 11 Anthracene, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.329	3.81 ng	82077	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83





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Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EXCAVATION-SOIL

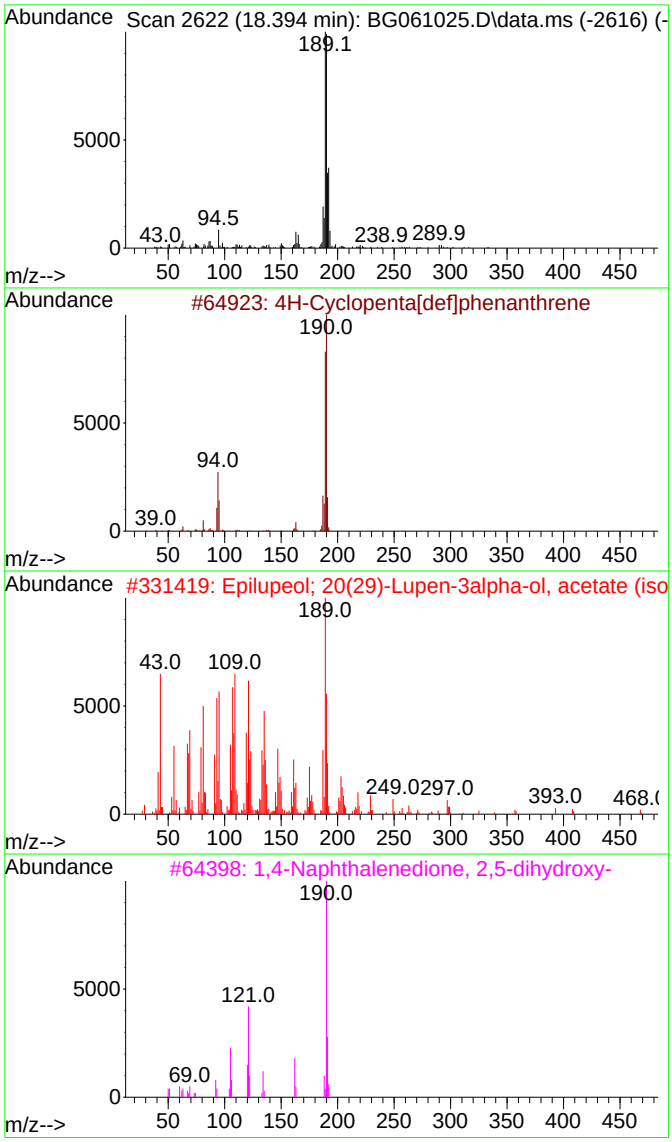
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

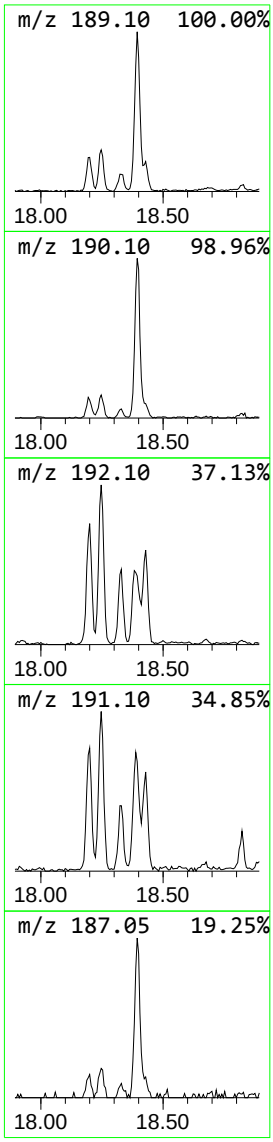
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.394	14.20 ng	305663	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Epilupeol; 20(29)-Lupen-3alpha-o...	468	C32H52O2	1010513-01-8	43
3	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	32
4	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27
5	Megastigmatrienone	190	C13H18O	038818-55-2	25





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Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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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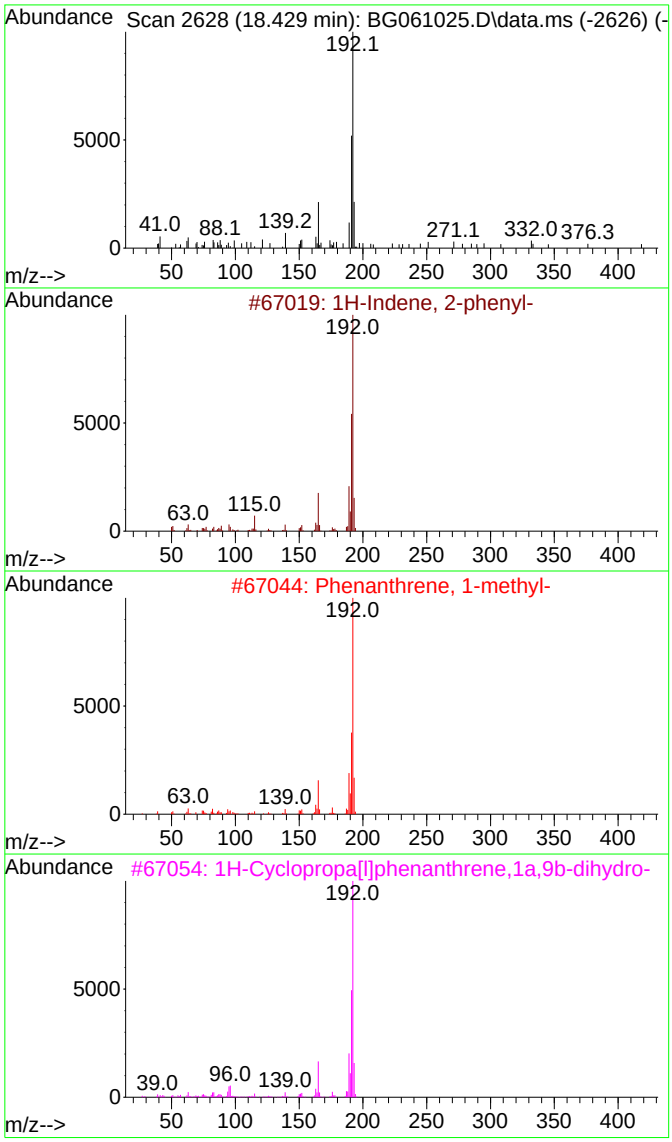
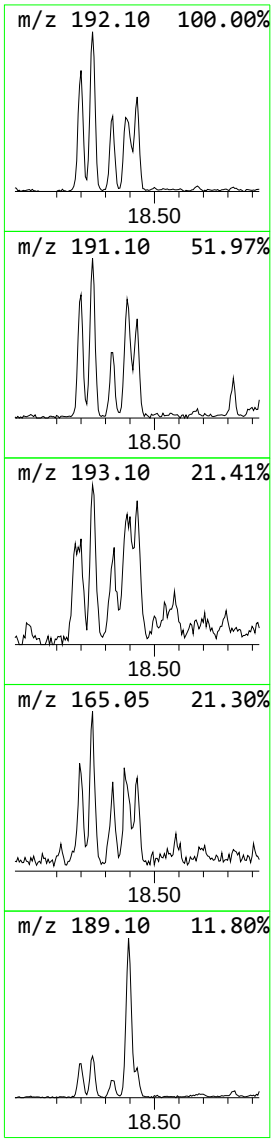
Peak Number 13 1H-Indene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.429	3.78 ng	81305	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	80
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	72





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Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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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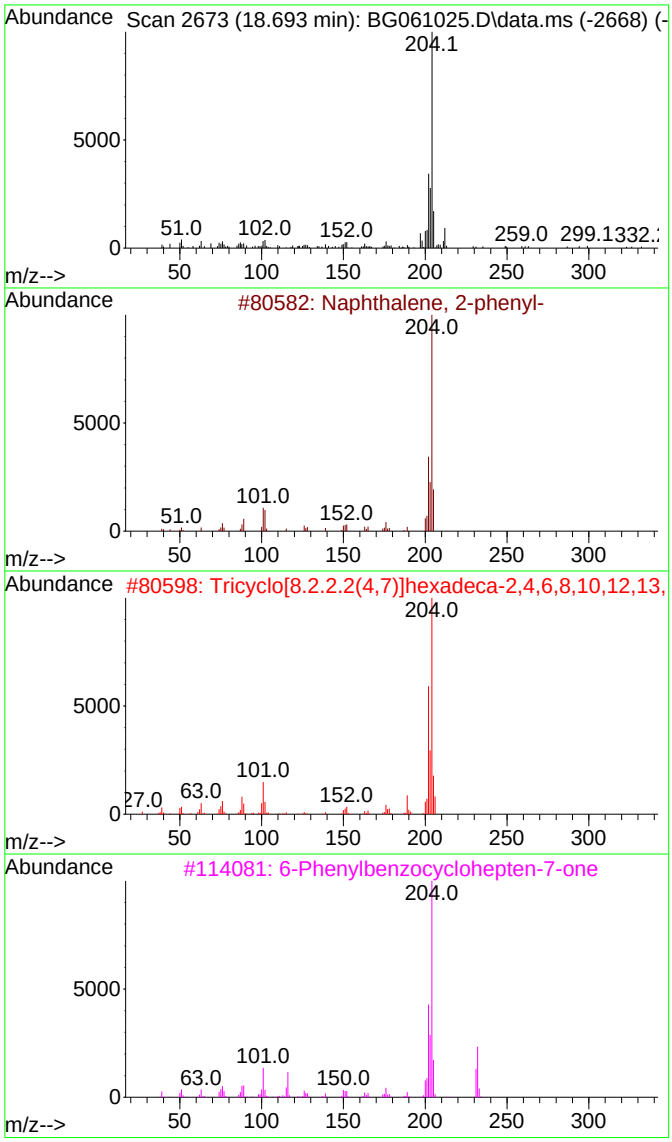
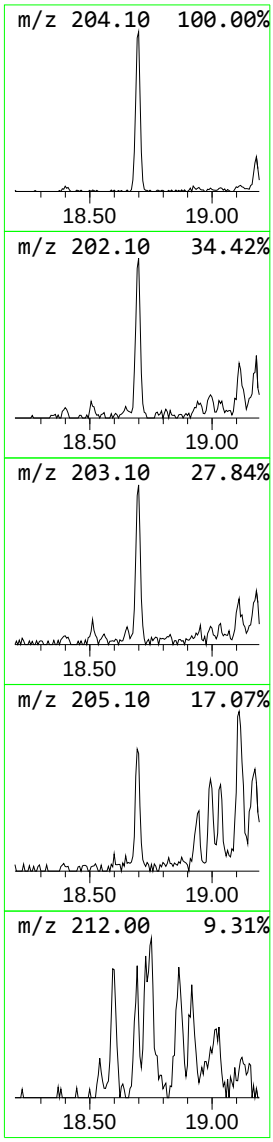
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.693	4.82 ng	103655	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	56
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EXCAVATION-SOIL

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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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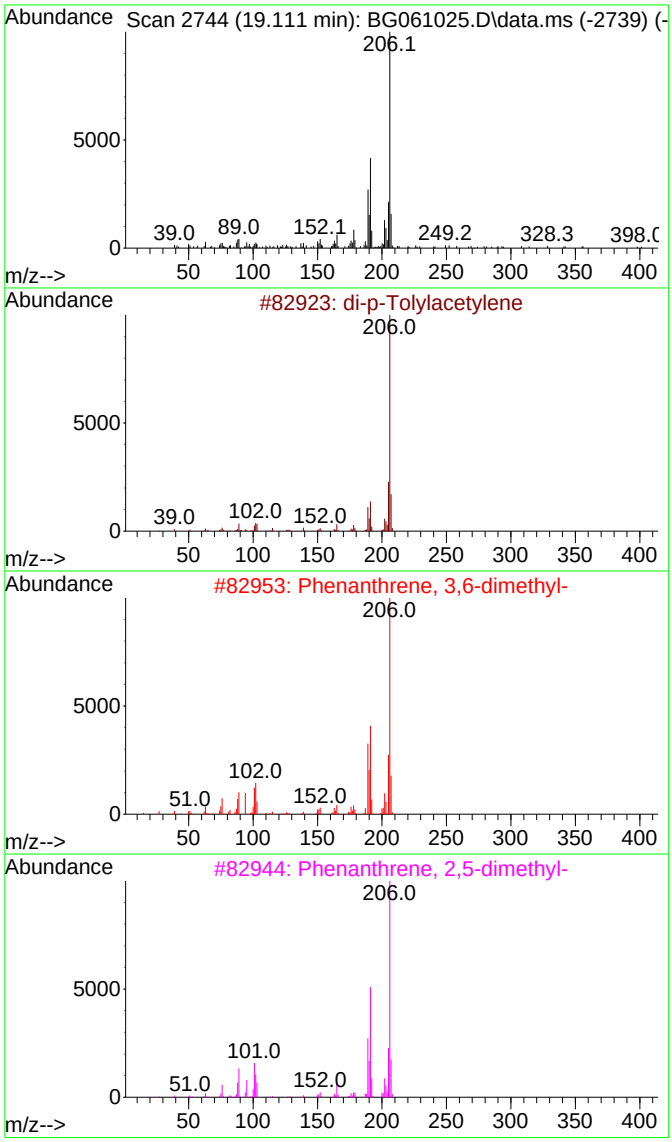
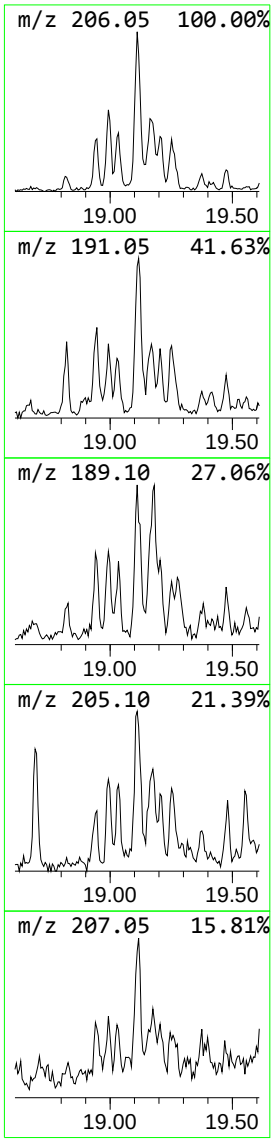
Peak Number 15 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.110	7.38 ng	158780	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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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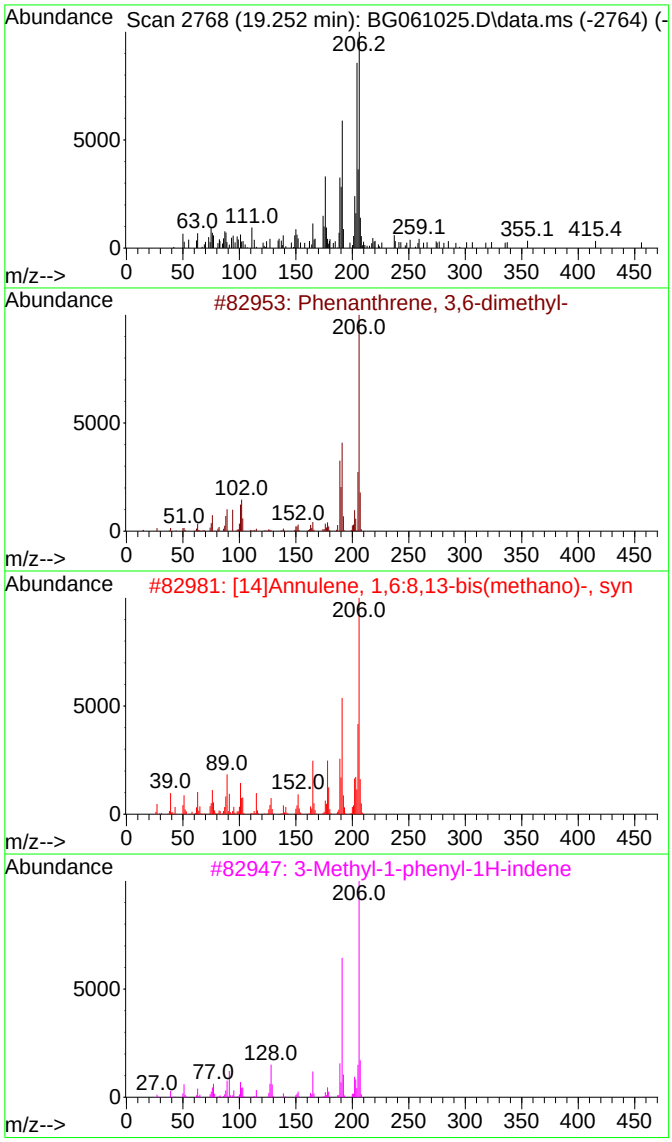
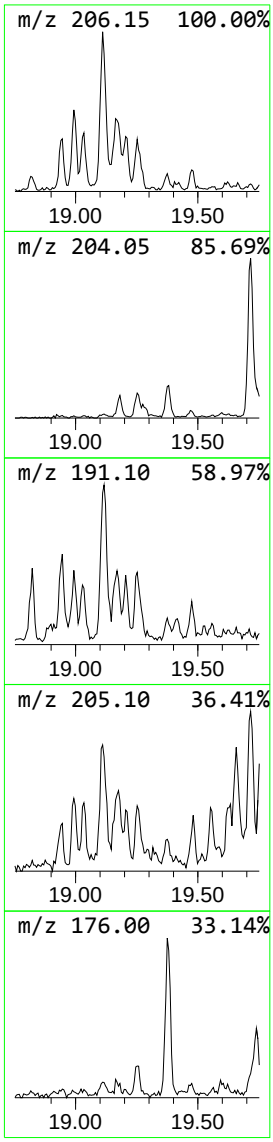
Peak Number 16 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.252	3.00 ng	64554	Phenanthrene-d10	17.319

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	60
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	49
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	46
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	46
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	43





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EXCAVATION-SOIL

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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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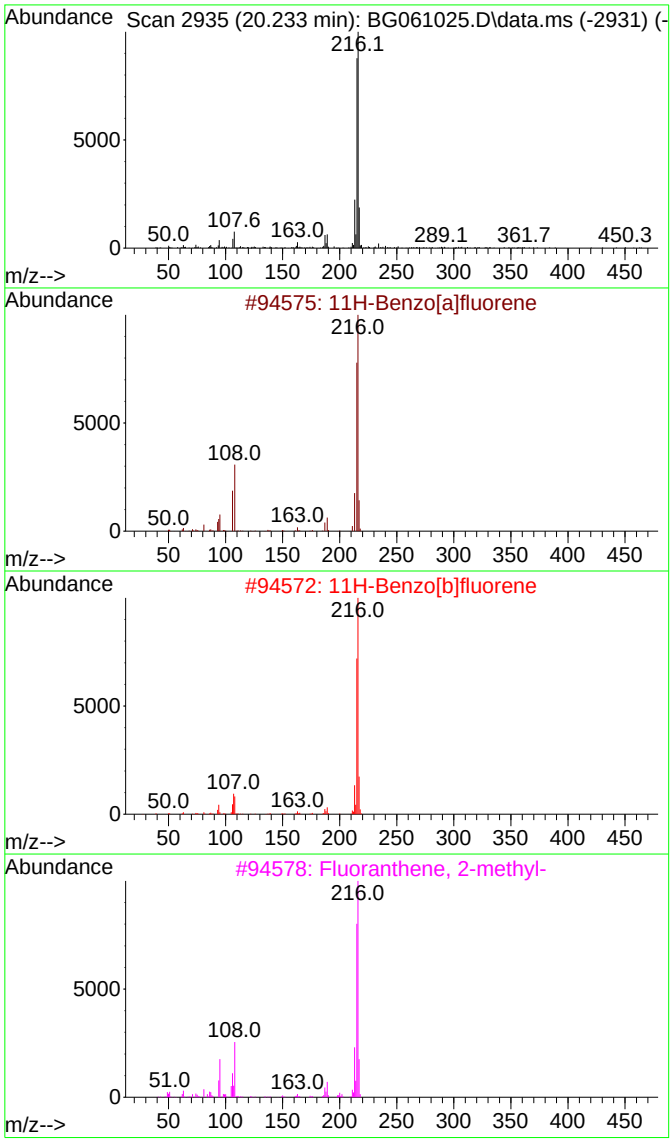
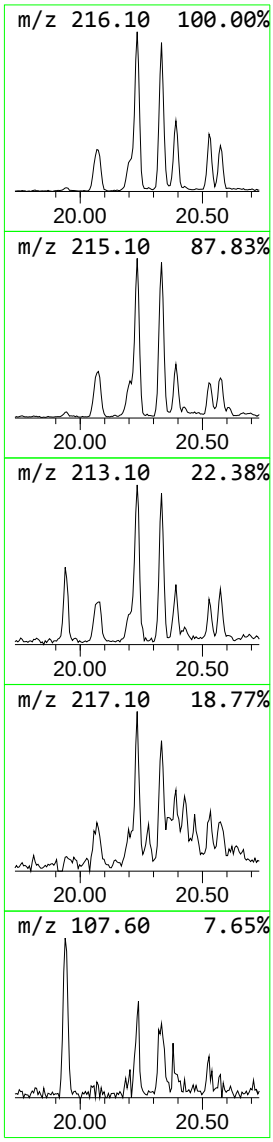
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.233	2.92 ng	224770	Chrysene-d12	21.584

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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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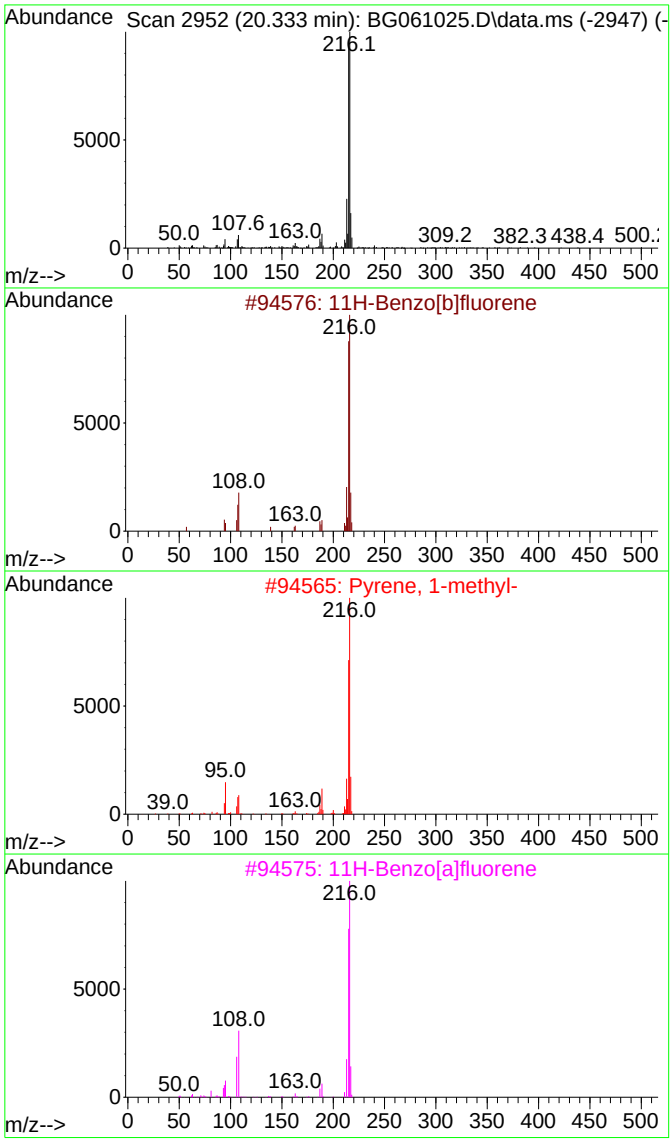
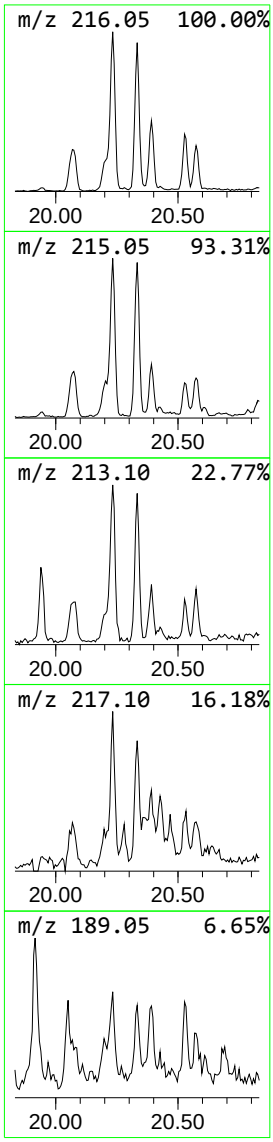
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.333	3.95 ng	304759	Chrysene-d12	21.584

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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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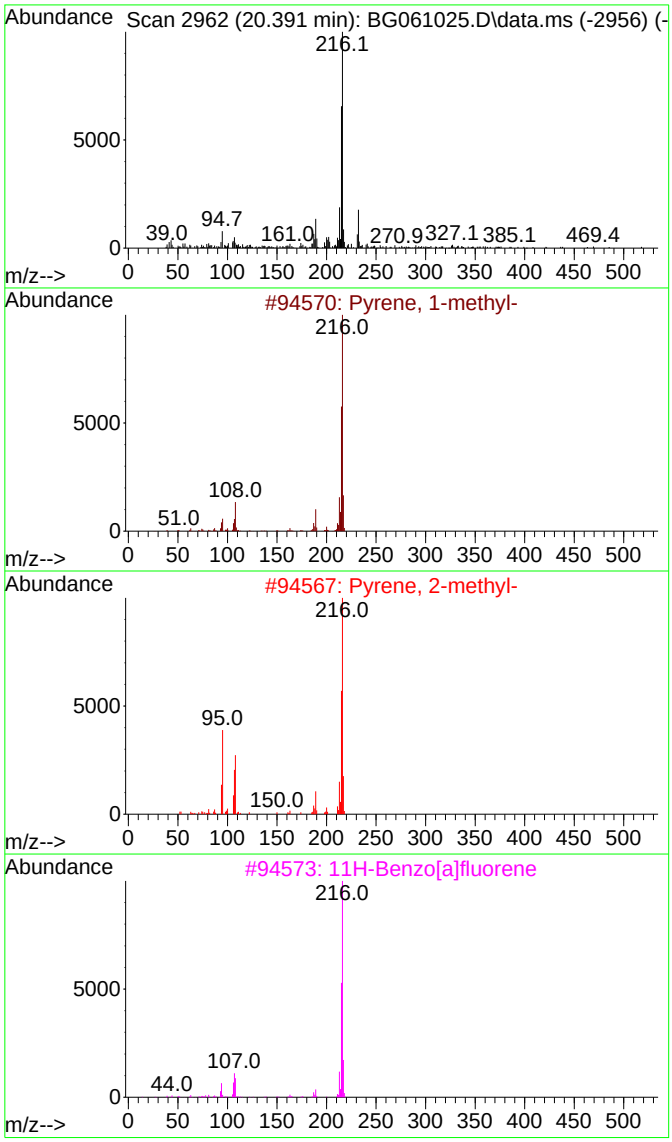
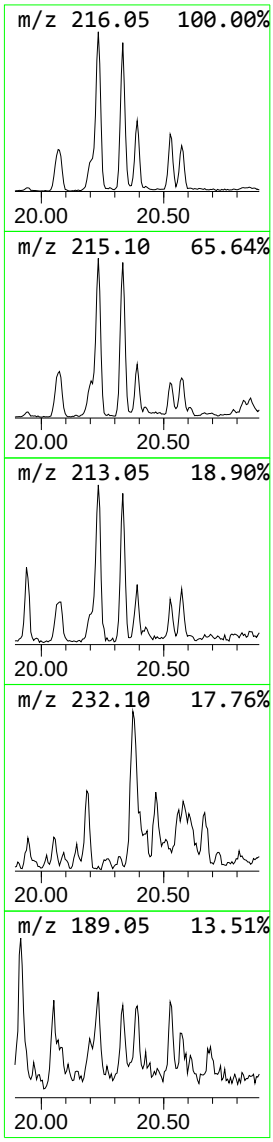
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.391	3.20 ng	247034	Chrysene-d12	21.584

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061025.D
Acq On : 24 Apr 2024 14:42
Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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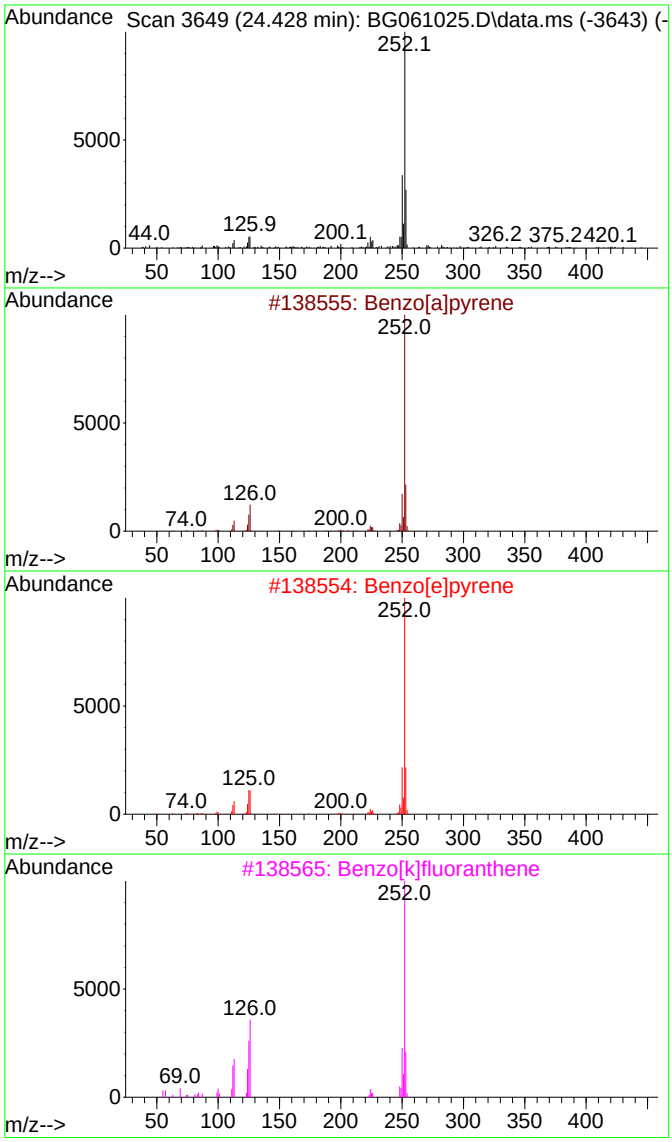
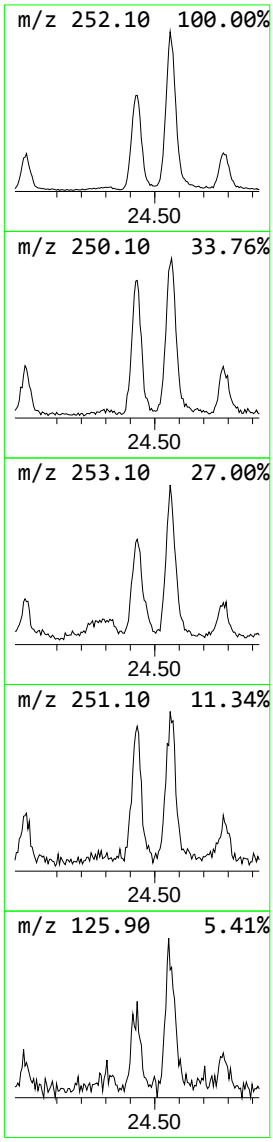
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.428	16.71 ng	358362	Perylene-d12	24.710

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	81
2	Benzo[e]pyrene	252	C20H12	000192-97-2	81
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	74
5	Perylene	252	C20H12	000198-55-0	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061025.D
Acq On : 24 Apr 2024 14:42
Operator : MA/JU
Sample : P2228-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EXCAVATION-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.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...	3.165	6.3	ng	52104	1	7.941	165455	20.0
unknown3.687	3.687	6.5	ng	53746	1	7.941	165455	20.0
.alpha.-Pinene	6.643	13.2	ng	109170	1	7.941	165455	20.0
.beta.-Pinene	7.395	22.8	ng	188855	1	7.941	165455	20.0
Caryophyllene	13.905	5.4	ng	88212	3	14.569	325332	20.0
Dibenzothiophene	17.136	2.5	ng	54868	4	17.319	430532	20.0
Acridine	17.506	7.3	ng	158159	4	17.319	430532	20.0
Anthracene, 1-m...	18.200	6.5	ng	140134	4	17.319	430532	20.0
n-Hexadecanoic ...	18.223	8.1	ng	174133	4	17.319	430532	20.0
Anthracene, 2-m...	18.247	7.7	ng	166530	4	17.319	430532	20.0
Anthracene, 9-m...	18.329	3.8	ng	82077	4	17.319	430532	20.0
4H-Cyclopenta[d...	18.394	14.2	ng	305663	4	17.319	430532	20.0
1H-Indene, 2-ph...	18.429	3.8	ng	81305	4	17.319	430532	20.0
Naphthalene, 2-...	18.693	4.8	ng	103655	4	17.319	430532	20.0
di-p-Tolylacety...	19.110	7.4	ng	158780	4	17.319	430532	20.0
Phenanthrene, 3...	19.252	3.0	ng	64554	4	17.319	430532	20.0
11H-Benzo[a]flu...	20.233	2.9	ng	224770	5	21.584	1541680	20.0
11H-Benzo[b]flu...	20.333	4.0	ng	304759	5	21.584	1541680	20.0
Pyrene, 1-methyl-	20.391	3.2	ng	247034	5	21.584	1541680	20.0
Benzo[e]pyrene	24.428	16.7	ng	358362	6	24.710	429012	20.0