LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056022.D
Acq On : 19 Dec 2022 20:52
Operator : CG/JU
Sample : N6067-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20221214

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: BG056022.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.405	15	20	31	rVB	19507	34629	2.70%	0.222%
2	5.415	357	362	368	rBB2	14862	22895	1.79%	0.147%
3	5.891	436	443	450	rBB	126277	202085	15.78%	1.295%
4	7.501	710	717	725	rBB	129762	219692	17.16%	1.408%
5	8.370	859	865	871	rBB	35795	57215	4.47%	0.367%
6	9.539	1057	1064	1071	rBB	78773	140606	10.98%	0.901%
7	11.202	1340	1347	1352	rBV	44034	76424	5.97%	0.490%
8	11.255	1352	1356	1362	rVB	9278	14131	1.10%	0.091%
9	13.605	1750	1756	1763	rVB	253009	372339	29.07%	2.387%
10	14.298	1868	1874	1879	rBV2	12470	20326	1.59%	0.130%
11	14.974	1984	1989	1995	rVV	77365	114786	8.96%	0.736%
12	15.039	1995	2000	2006	rVB	51596	79634	6.22%	0.510%
13	15.280	2032	2041	2047	rBV3	6925	14024	1.10%	0.090%
14	15.368	2047	2056	2062	rVV3	39202	62959	4.92%	0.404%
15	15.438	2062	2068	2073	rVB3	8958	15464	1.21%	0.099%
16	15.579	2083	2092	2097	rBV5	8599	17064	1.33%	0.109%
17	15.632	2097	2101	2107	rVV4	9610	15509	1.21%	0.099%
18	15.750	2113	2121	2125	rBV7	9970	22540	1.76%	0.144%
19	15.902	2140	2147	2153	rBV7	11240	22713	1.77%	0.146%
20	16.014	2153	2166	2174	rVB2	66182	122600	9.57%	0.786%
21	16.108	2174	2182	2184	rBV4	9987	17658	1.38%	0.113%
22	16.220	2196	2201	2208	rVV4	16117	38731	3.02%	0.248%
23	16.302	2208	2215	2221	rVB6	25143	71183	5.56%	0.456%
24	16.361	2221	2225	2229	rBV2	12731	20721	1.62%	0.133%
25	16.455	2235	2241	2249	rVB	307673	490323	38.29%	3.143%
26	16.572	2255	2261	2266	rBV2	34587	53913	4.21%	0.346%
27	16.643	2269	2273	2275	rBV	10548	13301	1.04%	0.085%
28	16.737	2285	2289	2292	rBV	28030	36713	2.87%	0.235%
29	16.848	2304	2308	2317	rVB	34718	64785	5.06%	0.415%
30	16.931	2317	2322	2324	rBV2	13034	20808	1.62%	0.133%
31	16.995	2329	2333	2341	rVB7	20521	56611	4.42%	0.363%
32	17.072	2341	2346	2349	rBV5	21315	41648	3.25%	0.267%
33	17.160	2358	2361	2366	rVB4	18982	30297	2.37%	0.194%
34	17.242	2366	2375	2378	rBV5	23443	50591	3.95%	0.324%
35	17.283	2379	2382	2388	rVB2	23580	33026	2.58%	0.212%
36	17.348	2388	2393	2400	rBV4	41705	88585	6.92%	0.568%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056022.D
Acq On : 19 Dec 2022 20:52
Operator : CG/JU
Sample : N6067-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20221214

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	17.442	2404	2409	2415	rBV4	36466	79498	6.21%	0.510%
38	17.495	2415	2418	2421	rBV	32796	36014	2.81%	0.231%
39	17.530	2421	2424	2430	rVB	34819	53438	4.17%	0.343%
40	17.589	2430	2434	2435	rBV	32443	41180	3.22%	0.264%
41	17.653	2443	2445	2449	rVB4	11661	14680	1.15%	0.094%
42	17.718	2449	2456	2458	rBV	127971	204226	15.95%	1.309%
43	17.759	2458	2463	2471	rVB	628210	998978	78.01%	6.403%
44	17.847	2471	2478	2483	rBV	156462	264599	20.66%	1.696%
45	17.906	2483	2488	2492	rVB3	60150	87526	6.83%	0.561%
46	17.953	2492	2496	2500	rBV2	43913	61532	4.80%	0.394%
47	18.000	2500	2504	2512	rVB6	45820	109701	8.57%	0.703%
48	18.082	2512	2518	2521	rBV3	77291	158539	12.38%	1.016%
49	18.229	2535	2543	2549	rBV4	71076	205625	16.06%	1.318%
50	18.300	2552	2555	2561	rVB5	45349	94647	7.39%	0.607%
51	18.370	2561	2567	2570	rBV2	72970	120733	9.43%	0.774%
52	18.458	2579	2582	2585	rVB	42761	50643	3.95%	0.325%
53	18.517	2585	2592	2597	rBV6	36656	114395	8.93%	0.733%
54	18.582	2597	2603	2607	rBV2	116230	196835	15.37%	1.262%
55	18.629	2607	2611	2616	rVB2	125608	183647	14.34%	1.177%
56	18.711	2620	2625	2629	rBV2	74933	105321	8.22%	0.675%
57	18.776	2630	2636	2640	rBV3	128976	282167	22.03%	1.809%
58	18.870	2648	2652	2655	rBV	52274	65119	5.08%	0.417%
59	18.952	2663	2666	2672	rVB6	36102	71369	5.57%	0.457%
60	19.005	2672	2675	2680	rBV5	23801	32406	2.53%	0.208%
61	19.069	2680	2686	2689	rBV	84764	153034	11.95%	0.981%
62	19.111	2690	2693	2696	rVV3	52606	64107	5.01%	0.411%
63	19.199	2705	2708	2711	rBV2	34155	46472	3.63%	0.298%
64	19.363	2733	2736	2739	rBV	49394	65040	5.08%	0.417%
65	19.398	2739	2742	2747	rVB5	55238	73627	5.75%	0.472%
66	19.481	2751	2756	2760	rBV3	80386	167631	13.09%	1.074%
67	19.622	2775	2780	2788	rVB6	62673	154437	12.06%	0.990%
68	19.751	2796	2802	2807	rVB	842772	1280623	100.00%	8.208%
69	19.804	2807	2811	2813	rBV3	37623	56536	4.41%	0.362%
70	20.080	2852	2858	2859	rBV2	146079	229911	17.95%	1.474%
71	20.115	2859	2864	2870	rVV	736142	1144980	89.41%	7.339%
72	20.168	2870	2873	2883	rVB2	65922	111294	8.69%	0.713%
73	20.291	2888	2894	2898	rBV	415111	582124	45.46%	3.731%
74	20.415	2910	2915	2917	rBV4	55368	105723	8.26%	0.678%
75	20.591	2941	2945	2949	rVB	133937	194655	15.20%	1.248%
76	20.685	2957	2961	2966	rBV	99528	151884	11.86%	0.973%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
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Operator : CG/JU
Sample : N6067-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20221214

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.891	2993	2996	3001	rBV	58576	88123	6.88%	0.565%
78	20.938	3001	3004	3008	rVV	40837	54122	4.23%	0.347%
79	21.678	3125	3130	3134	rBV2	62671	122976	9.60%	0.788%
80	22.007	3180	3186	3193	rBV2	399309	902517	70.47%	5.785%
81	22.078	3194	3198	3209	rVB	336862	619894	48.41%	3.973%
82	22.242	3222	3226	3235	rVB2	66134	129719	10.13%	0.831%
83	22.460	3259	3263	3270	rVB	44441	80376	6.28%	0.515%
84	24.416	3586	3596	3604	rBV	223552	811347	63.36%	5.200%
85	24.686	3638	3642	3649	rVB	45596	104478	8.16%	0.670%
86	24.910	3676	3680	3685	rBV4	14585	33267	2.60%	0.213%
87	25.203	3723	3730	3743	rVB	134840	418462	32.68%	2.682%
88	25.368	3749	3758	3770	rVB	200061	635037	49.59%	4.070%
89	25.527	3779	3785	3792	rBV2	59327	159738	12.47%	1.024%
90	25.615	3794	3800	3809	rVB	54816	159594	12.46%	1.023%
91	29.557	4464	4471	4472	rBV	48499	84570	6.60%	0.542%
92	30.826	4678	4687	4702	rVB2	45421	206215	16.10%	1.322%

Sum of corrected areas: 15601860

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056022.D
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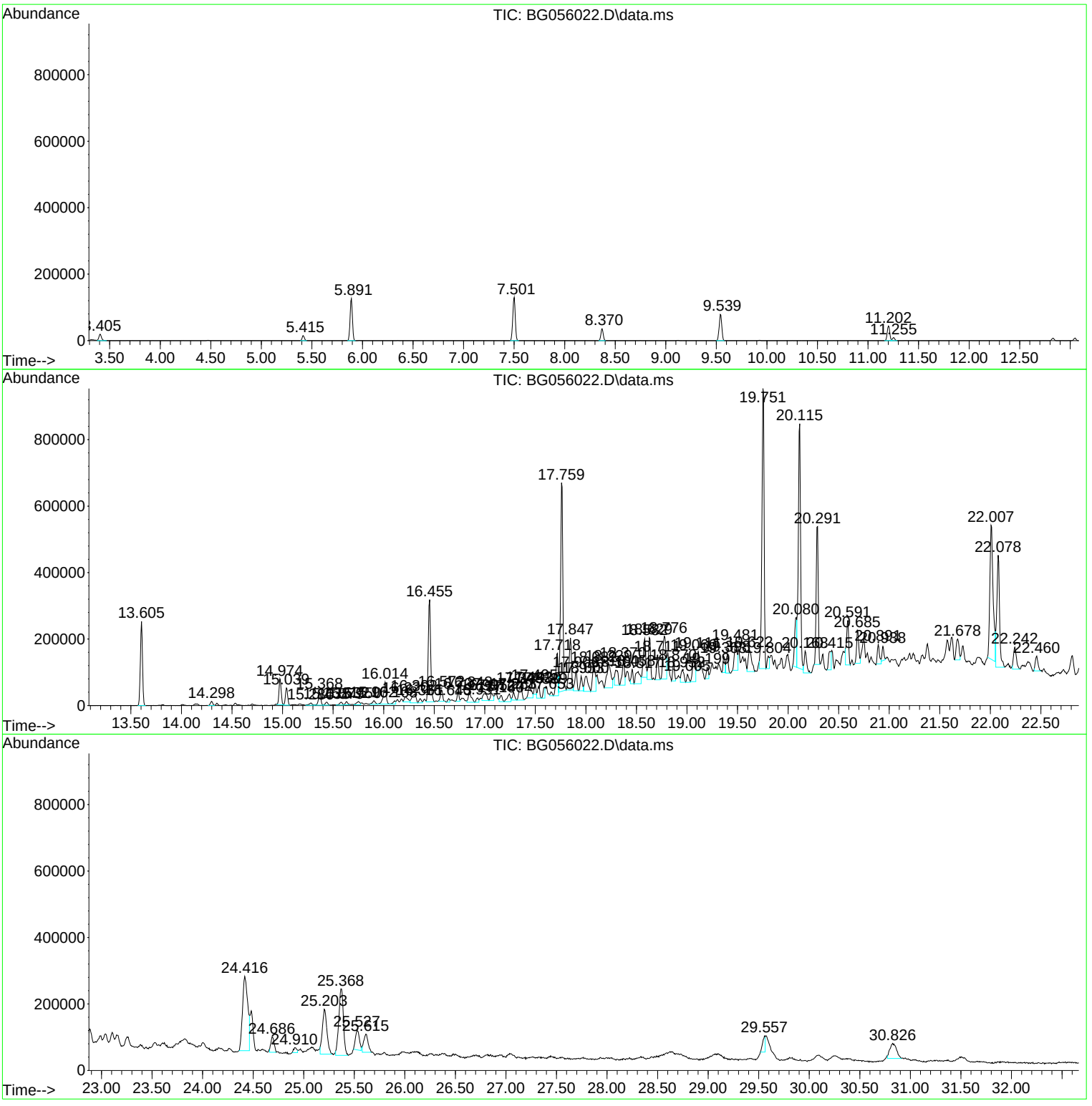
Sample : N6067-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20221214

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\BG121922\
Data File : BG056022.D
Acq On : 19 Dec 2022 20:52
Operator : CG/JU
Sample : N6067-01
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20221214

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

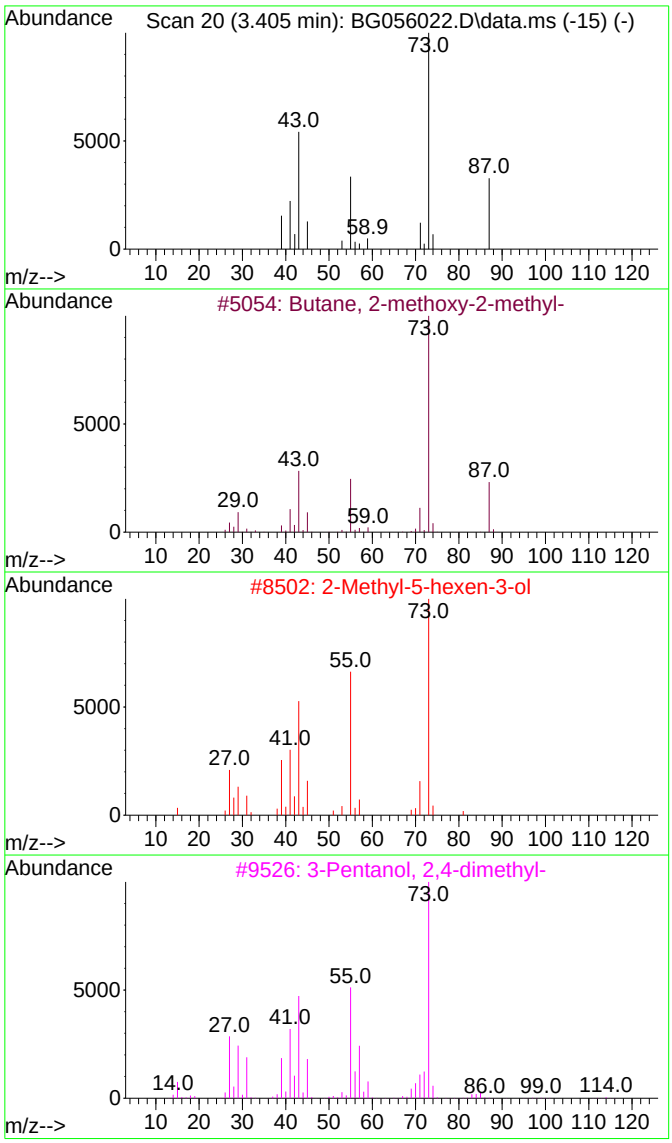
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

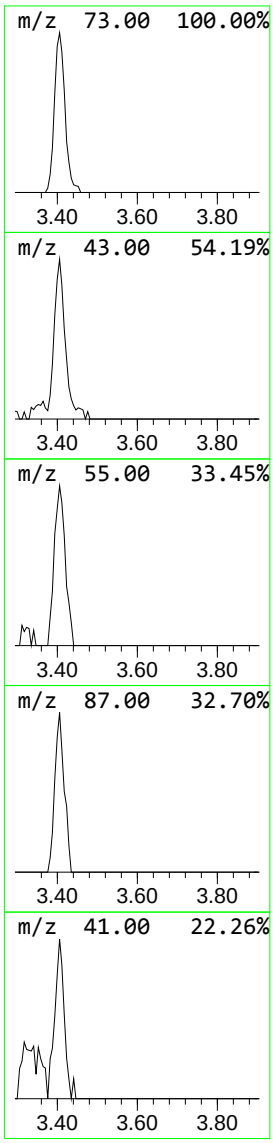
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.405	12.10 ng	34629	1,4-Dichlorobenzene-d4	8.370

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	33
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	28
4	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
5	3-Buten-2-ol	72	C4H8O	000598-32-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056022.D
Acq On : 19 Dec 2022 20:52
Operator : CG/JU
Sample : N6067-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20221214

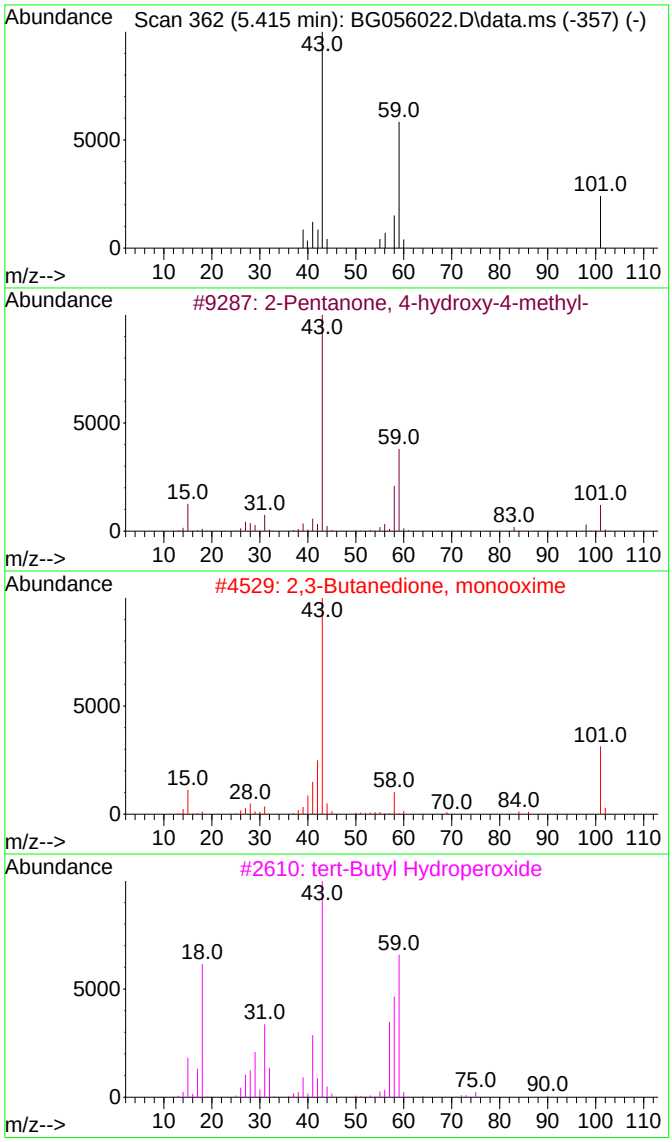
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

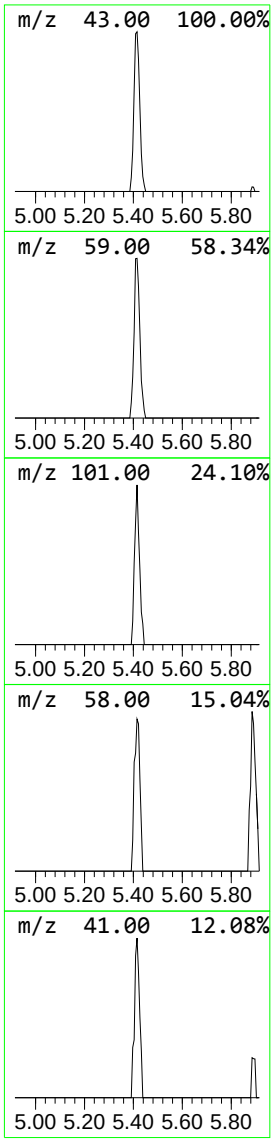
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.415	8.00 ng	22895	1,4-Dichlorobenzene-d4	8.370

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3	tert-Butyl Hydroperoxide	90	C4H10O2	000075-91-2	9
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9
5	2-Methyl-2,3-pentanediol	118	C6H14O2	007795-80-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056022.D
Acq On : 19 Dec 2022 20:52
Operator : CG/JU
Sample : N6067-01
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
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WC-SOIL-20221214

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

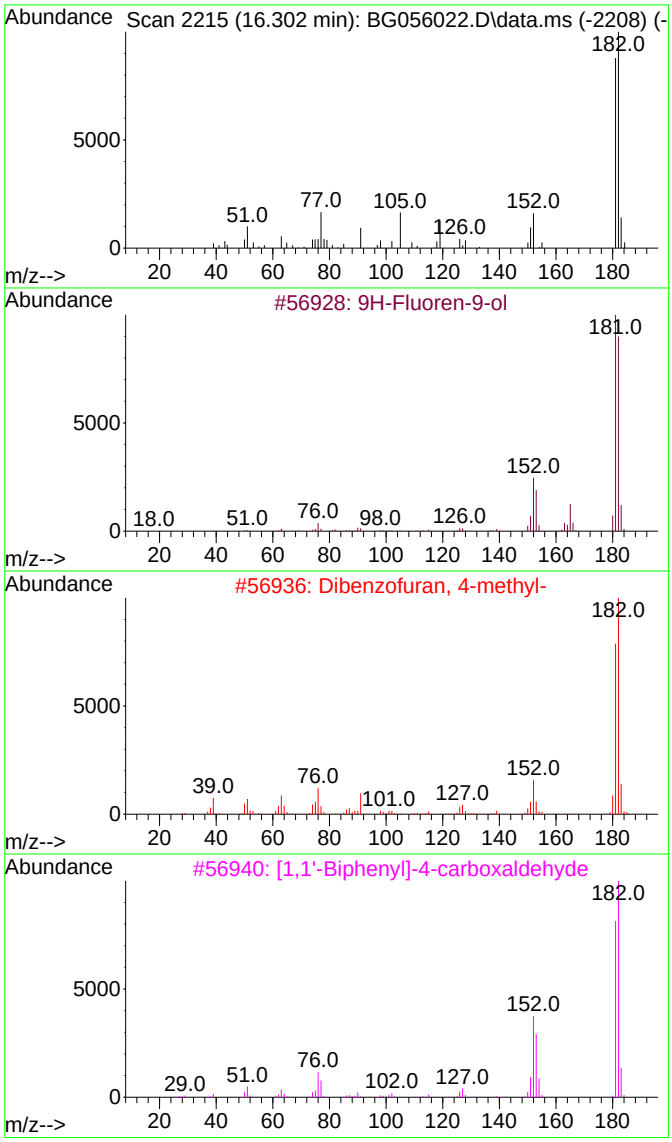
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

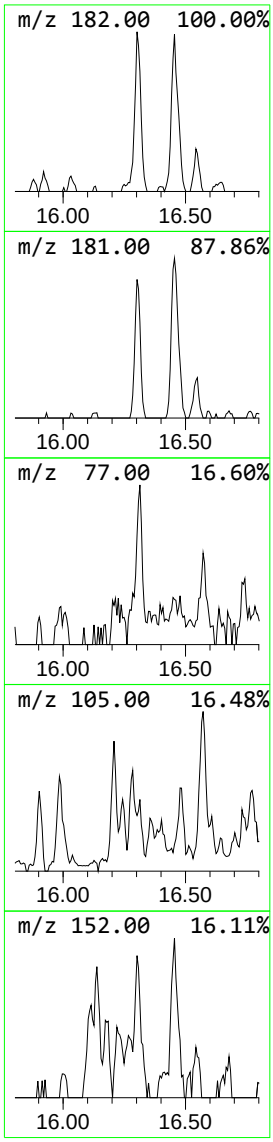
****

Peak Number 3 9H-Fluoren-9-ol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.302	12.40 ng	71183	Acenaphthene-d10	14.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
4	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	59
5	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056022.D
Acq On : 19 Dec 2022 20:52
Operator : CG/JU
Sample : N6067-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

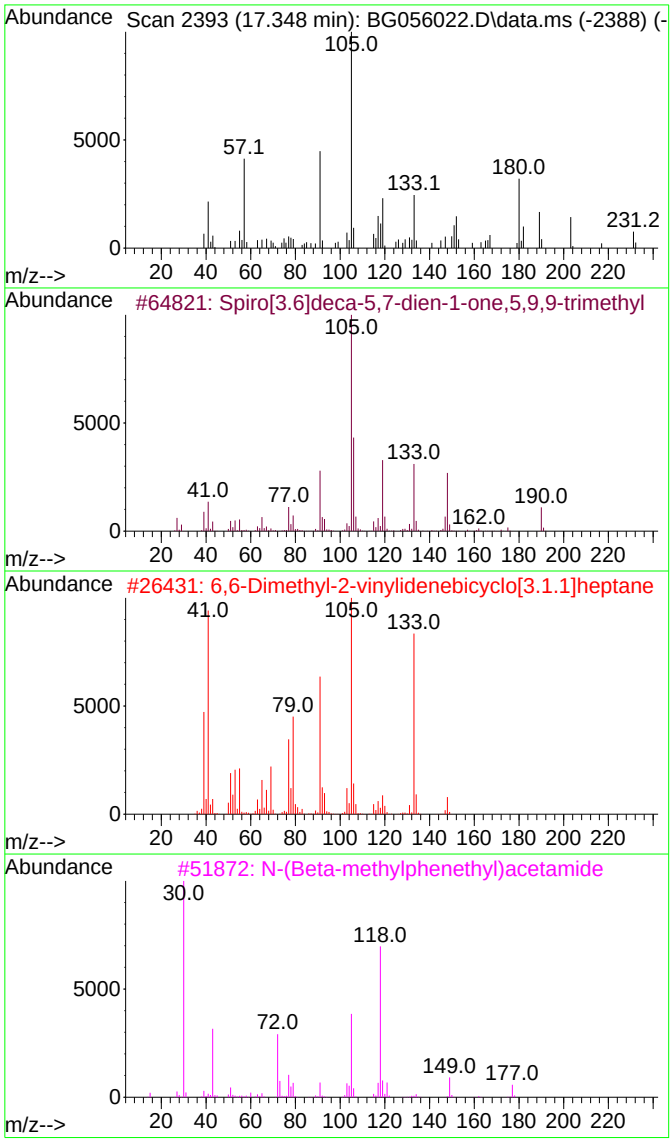
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

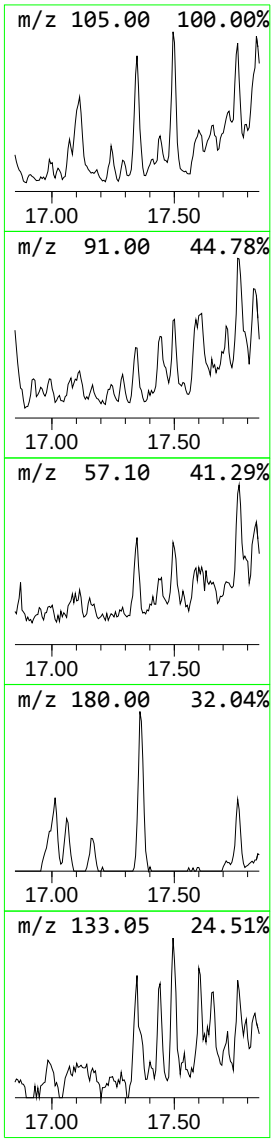
****

Peak Number 4 unknown17.348 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.348	8.68 ng	88585	Phenanthrene-d10	17.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[3.6]deca-5,7-dien-1-one,5,...	190	C13H18O	081532-19-6	10
2	6,6-Dimethyl-2-vinylidenebicyclo...	148	C11H16	039021-75-5	9
3	N-(Beta-methylphenethyl)acetamide	177	C11H15NO	022596-62-9	9
4	Dihydrotestosterone 3-formate-17...	422	C27H34O4	1010255-43-5	9
5	Benzoic acid, 3,4-dimethyl-	150	C9H10O2	000619-04-5	7





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056022.D
Acq On : 19 Dec 2022 20:52
Operator : CG/JU
Sample : N6067-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20221214

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

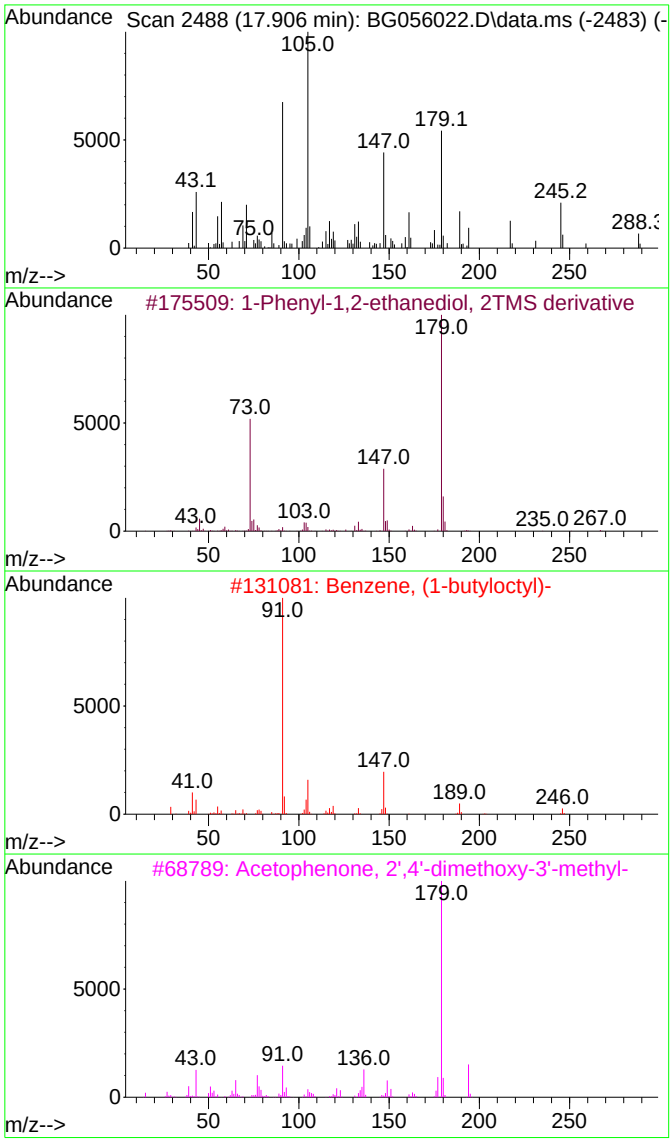
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

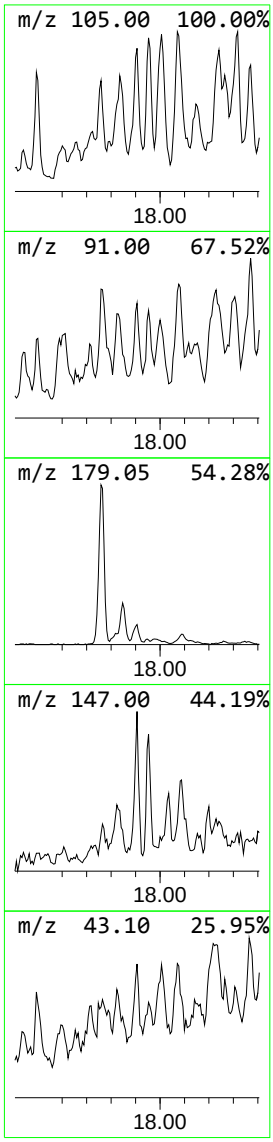
****

Peak Number 5 unknown17.906 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.906	8.57 ng	87526	Phenanthrene-d10	17.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1,2-ethanediol, 2TMS de...	282	C14H26O2Si2	1000373-44-2	37
2	Benzene, (1-butyloctyl)-	246	C18H30	002719-63-3	22
3	Acetophenone, 2',4'-dimethoxy-3'...	194	C11H14O3	060512-80-3	14
4	N,N-Diethyl-3-nitroaniline	194	C10H14N2O2	002216-16-2	12
5	3-(4-Chlorophenyl)-1H-1,2,4-tria...	179	C8H6ClN3	023195-59-7	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056022.D
Acq On : 19 Dec 2022 20:52
Operator : CG/JU
Sample : N6067-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20221214

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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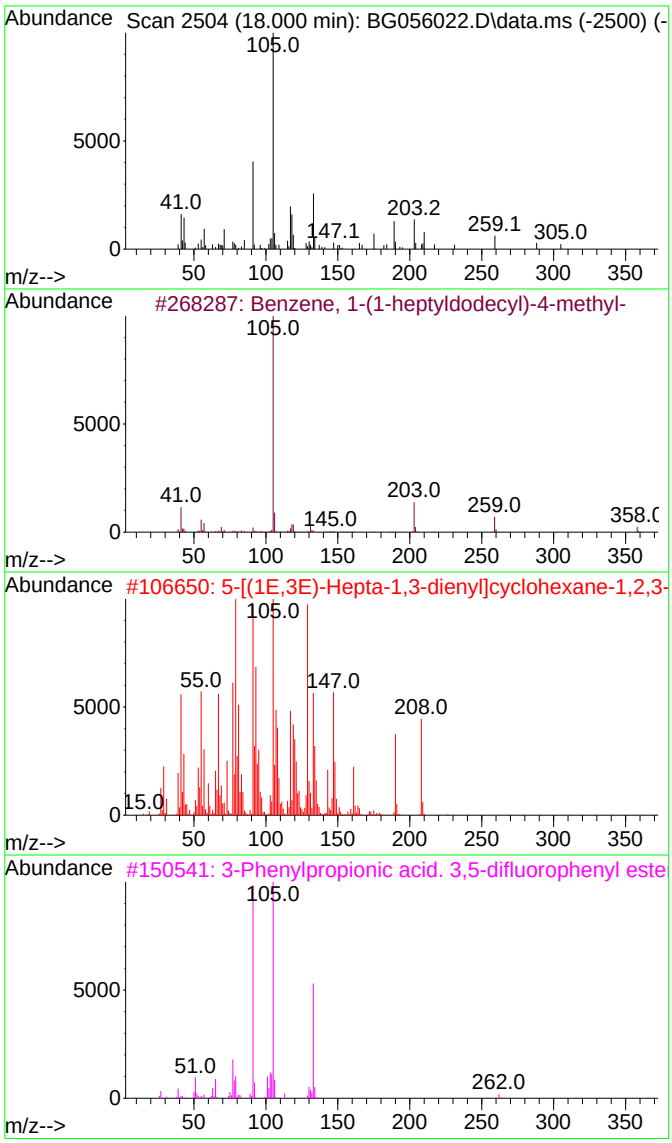
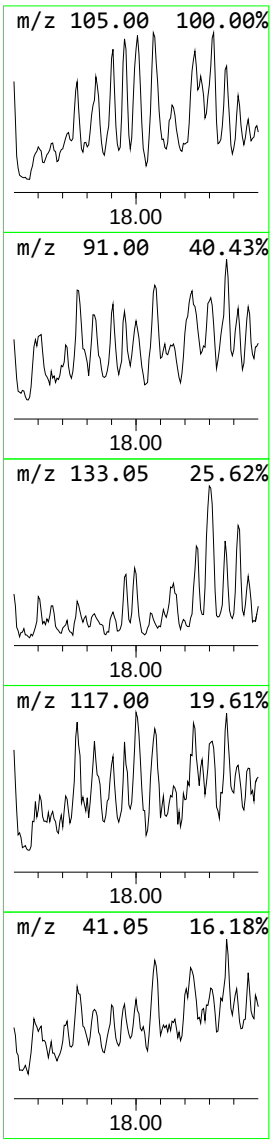
Peak Number 6 unknown18.000 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.000	10.74 ng	109701	Phenanthrene-d10	17.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-heptyldodecyl)-4-m...	358	C26H46	055191-36-1	22
2	5-[(1E,3E)-Hepta-1,3-dienyl]cycl...	226	C13H22O3	2111875-27-3	12
3	3-Phenylpropionic acid. 3,5-difl...	262	C15H12F2O2	1000299-02-0	12
4	4,4,6-Trimethyl-2-phenyl-5,6-dih...	203	C13H17NO	026939-21-9	10
5	3-phenylbutyric acid, 2,2,2-trif...	246	C12H13F3O2	1000376-55-4	10





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Acq On : 19 Dec 2022 20:52
Operator : CG/JU
Sample : N6067-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WC-SOIL-20221214

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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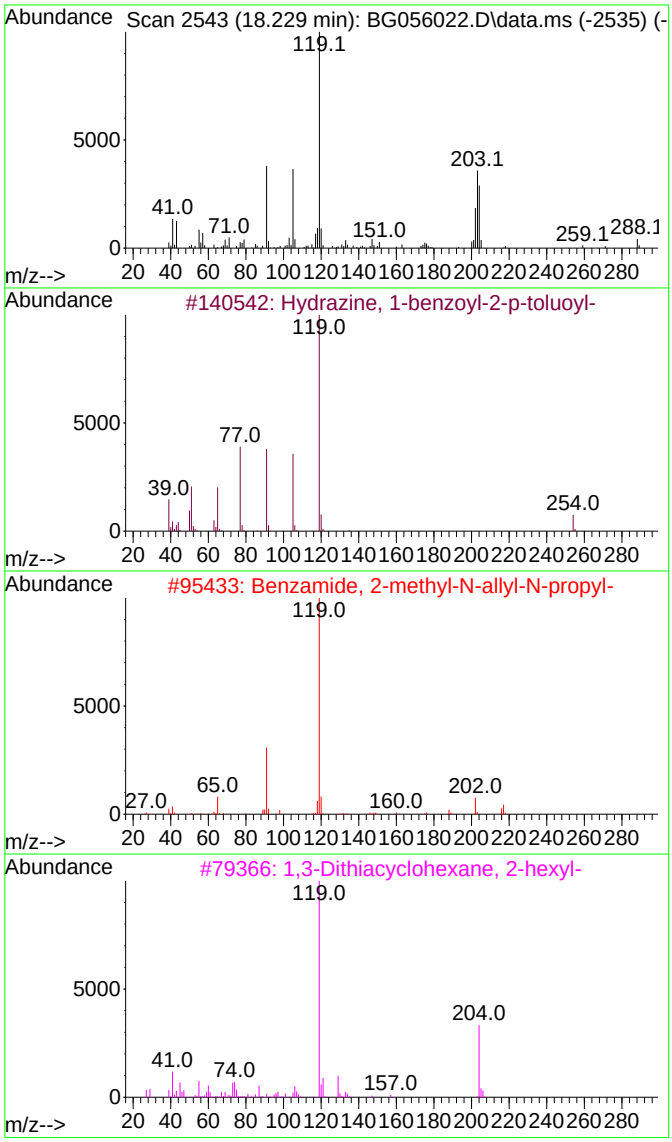
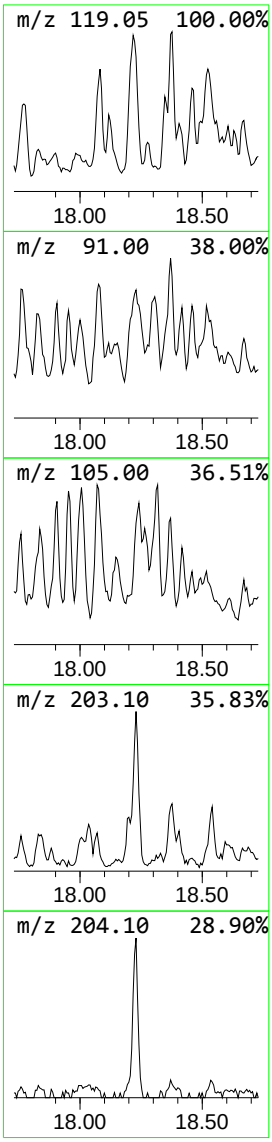
Peak Number 7 unknown18.229 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.229	20.14 ng	205625	Phenanthrene-d10	17.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazine, 1-benzoyl-2-p-toluoyl-	254	C15H14N2O2	019338-21-7	47
2	Benzamide, 2-methyl-N-allyl-N-pr...	217	C14H19NO	1000446-30-7	47
3	1,3-Dithiacyclohexane, 2-hexyl-	204	C10H20S2	026958-42-9	47
4	Benzamide, 3-methyl-N-(2-phenyle...	295	C20H25NO	1000451-38-8	43
5	Benzamide, 2-methyl-N-methyl-N-p...	219	C14H21NO	1000421-44-8	43





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ClientSampleId :
WC-SOIL-20221214

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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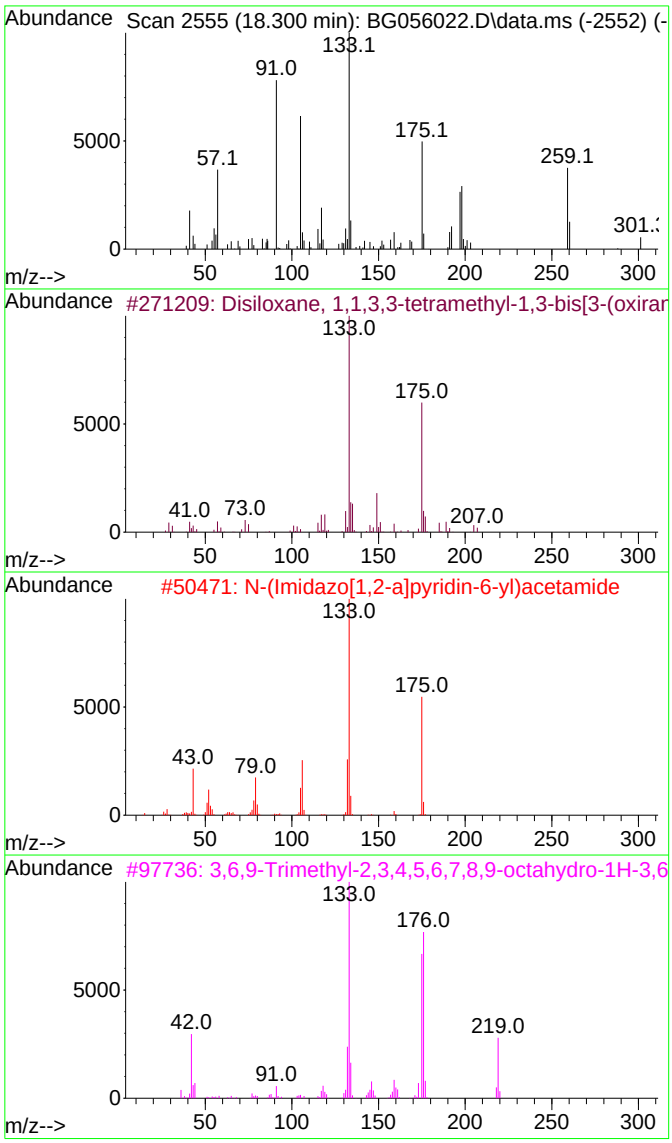
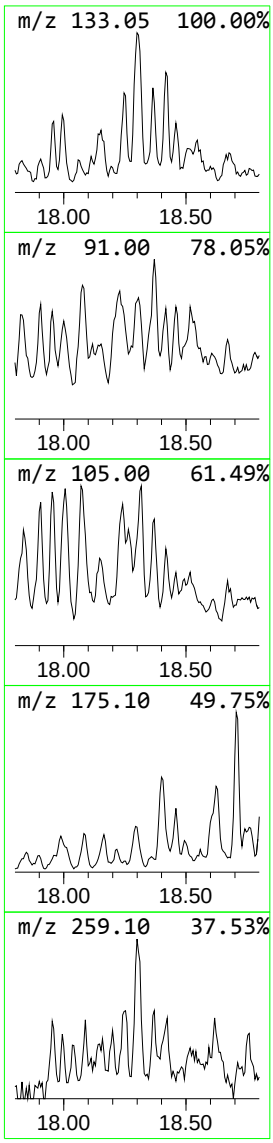
Peak Number 8 unknown18.300 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.300	9.27 ng	94647	Phenanthrene-d10	17.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disiloxane, 1,1,3,3-tetramethyl-...	362	C16H34O5Si2	000126-80-7	43
2	N-(Imidazo[1,2-a]pyridin-6-yl)ac...	175	C9H9N3O	1000504-38-1	37
3	3,6,9-Trimethyl-2,3,4,5,6,7,8,9-...	219	C13H21N3	1000300-91-5	37
4	4-Indolyl acetate	175	C10H9NO2	005585-96-6	37
5	Benzene, 1-(chloromethyl)-2,4,5-...	168	C10H13Cl	010340-77-9	27





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Sample : N6067-01
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WC-SOIL-20221214

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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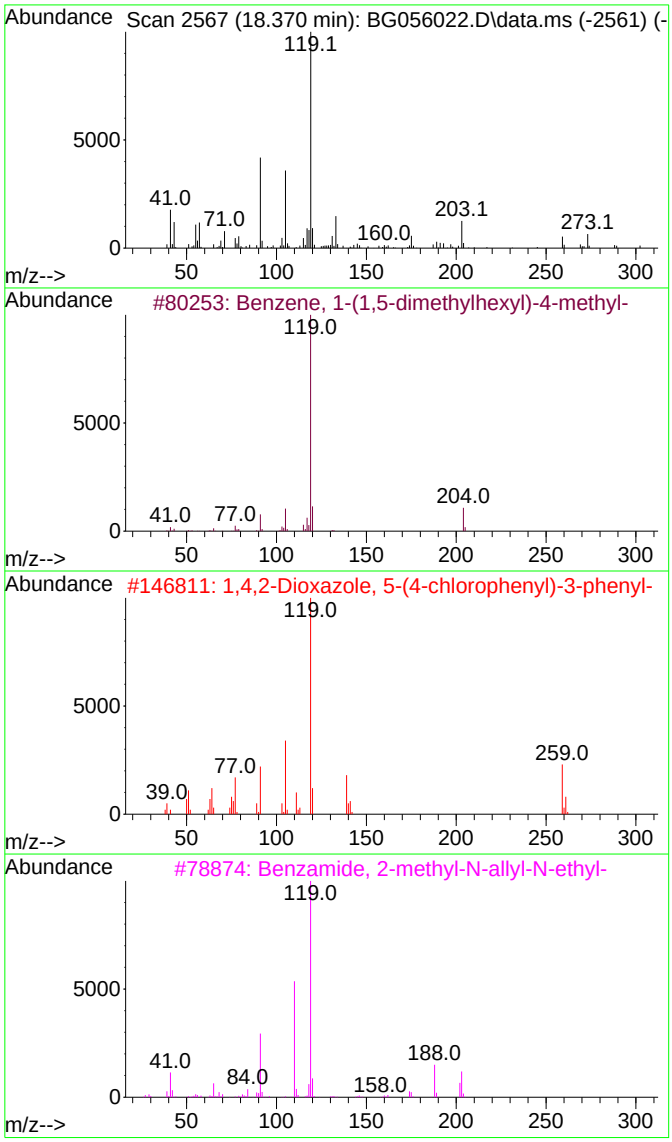
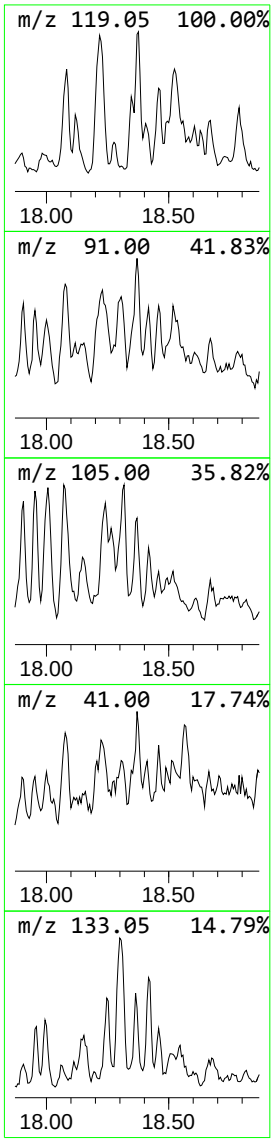
Peak Number 9 Benzene, 1-(1,5-dimethylhex... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.370	11.82 ng	120733	Phenanthrene-d10	17.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1,5-dimethylhexyl)-4...	204	C15H24	001461-02-5	64
2	1,4,2-Dioxazole, 5-(4-chlorophen...	259	C14H10ClNO2	055076-24-9	53
3	Benzamide, 2-methyl-N-allyl-N-et...	203	C13H17NO	1000446-30-6	52
4	Ether, 3-hydroxy-2-butyl 1-(p-to...	208	C13H20O2	1000149-41-9	50
5	2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	50





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

TIC Library : C:\Database\NIST20.L
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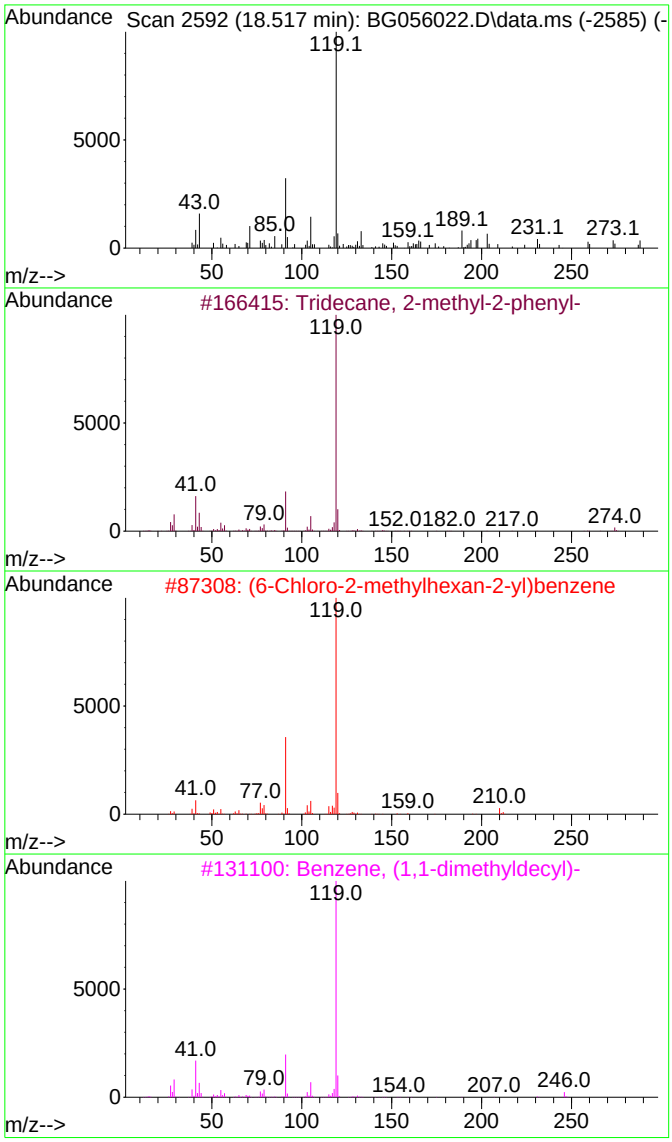
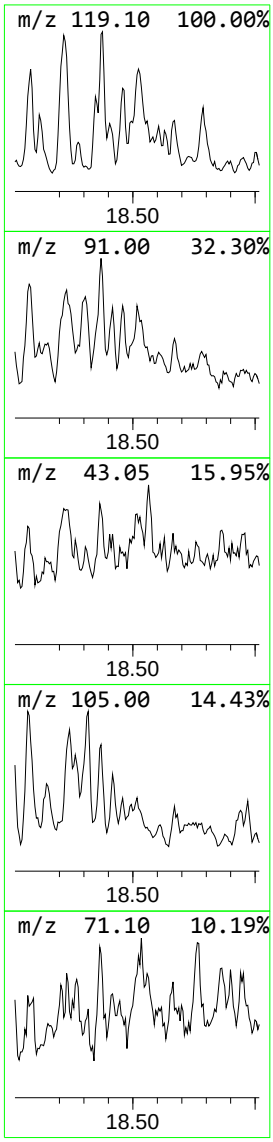
Peak Number 10 Tridecane, 2-methyl-2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.517	11.20 ng	114395	Phenanthrene-d10	17.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-2-phenyl-	274	C20H34	027854-41-7	70
2	(6-Chloro-2-methylhexan-2-yl)ben...	210	C13H19Cl	1417621-45-4	53
3	Benzene, (1,1-dimethyldecyl)-	246	C18H30	027854-40-6	53
4	2,8-Decadiyne	134	C10H14	004116-93-2	53
5	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	53





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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
WC-SOIL-20221214

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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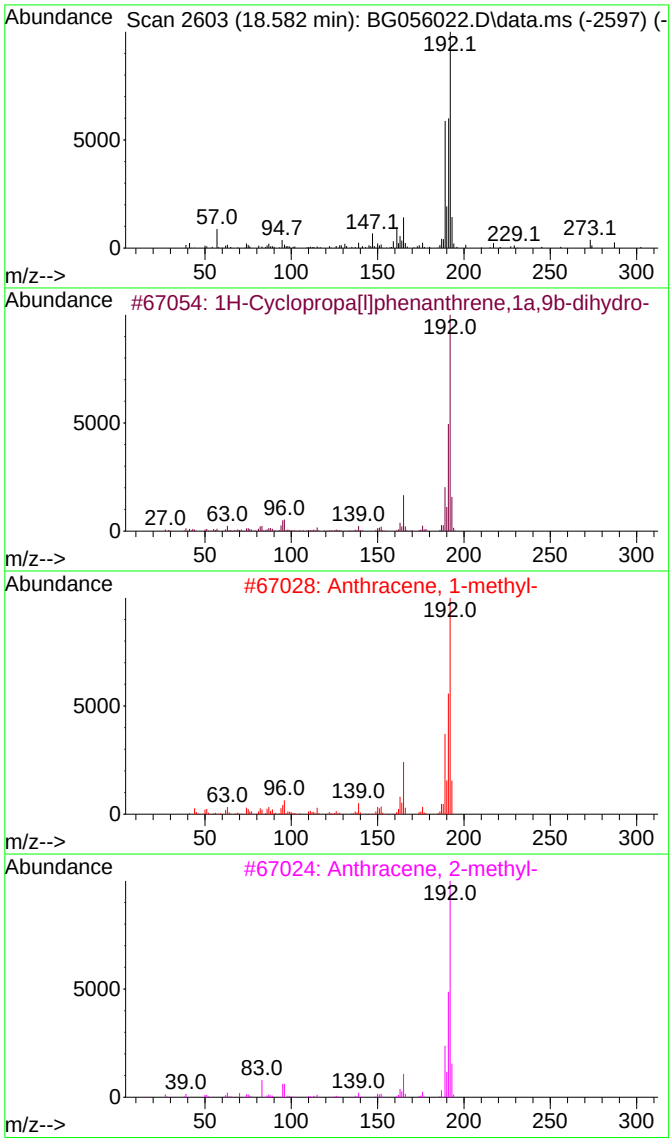
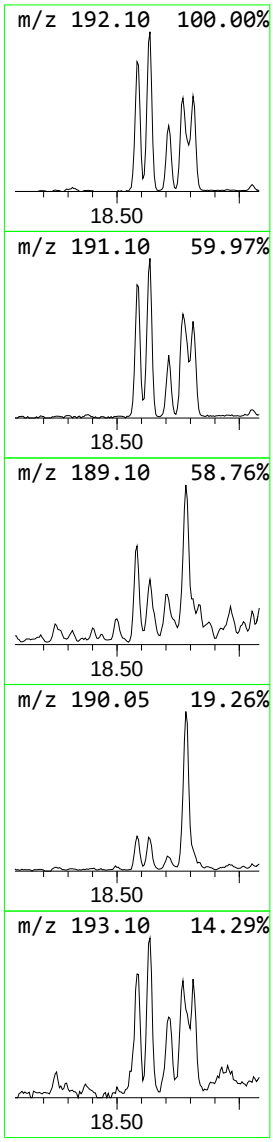
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.582	19.28 ng	196835	Phenanthrene-d10	17.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
WC-SOIL-20221214

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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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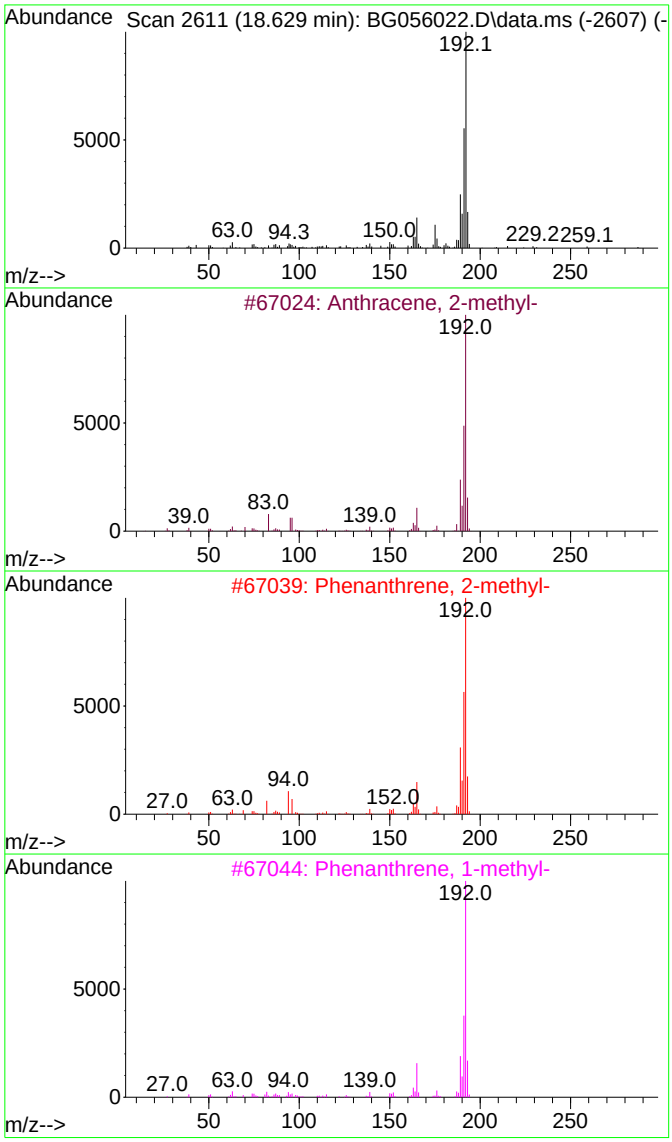
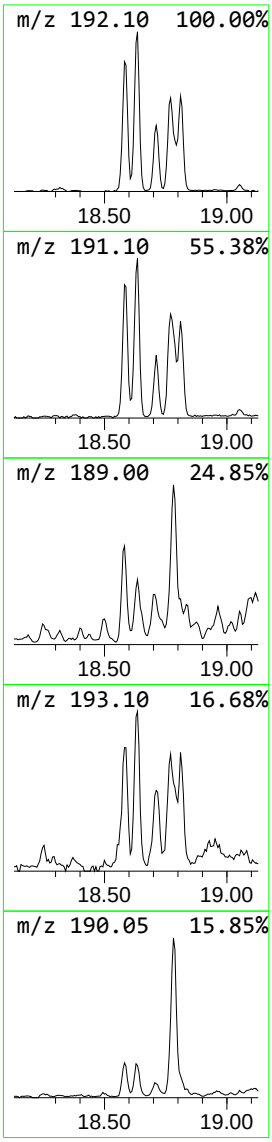
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.629	17.98 ng	183647	Phenanthrene-d10	17.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
WC-SOIL-20221214

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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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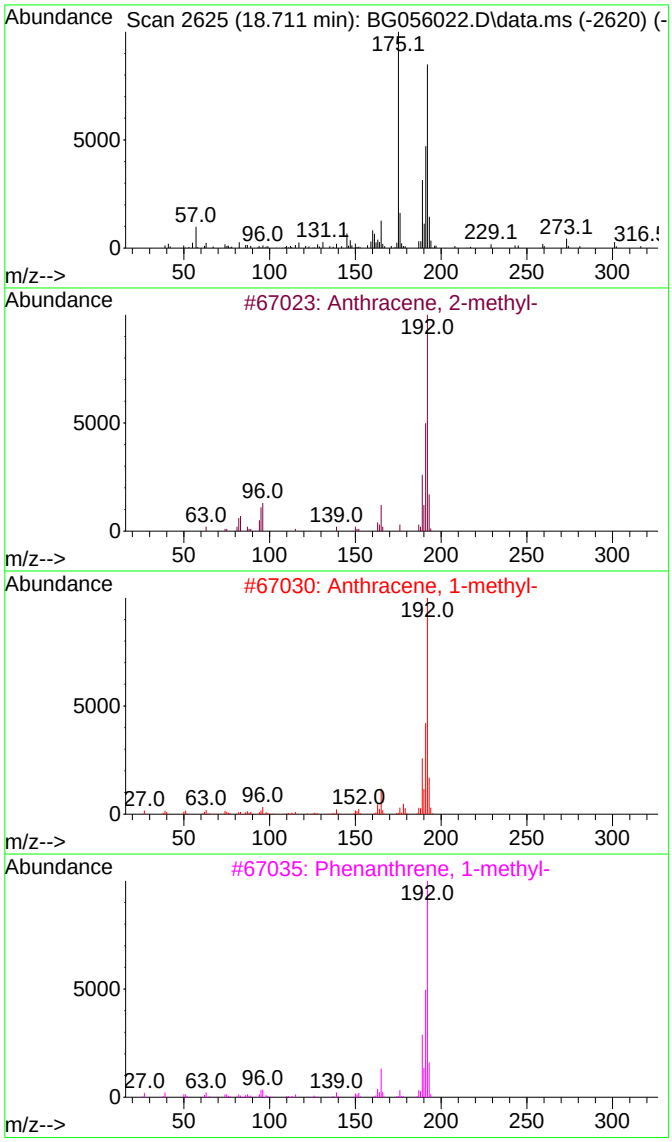
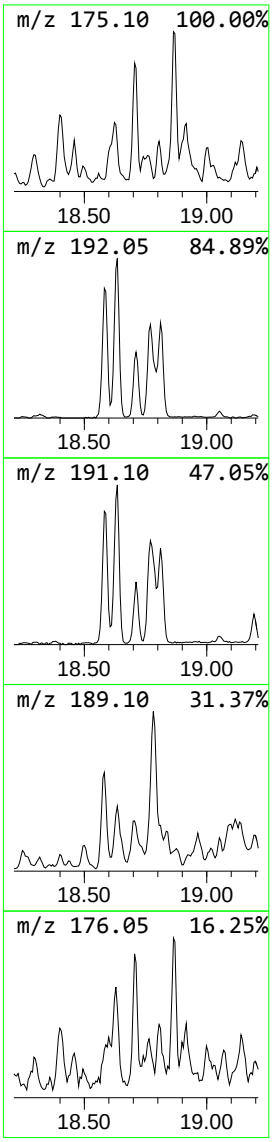
Peak Number 13 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.711	10.31 ng	105321	Phenanthrene-d10	17.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55





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Misc :
ALS Vial : 15 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
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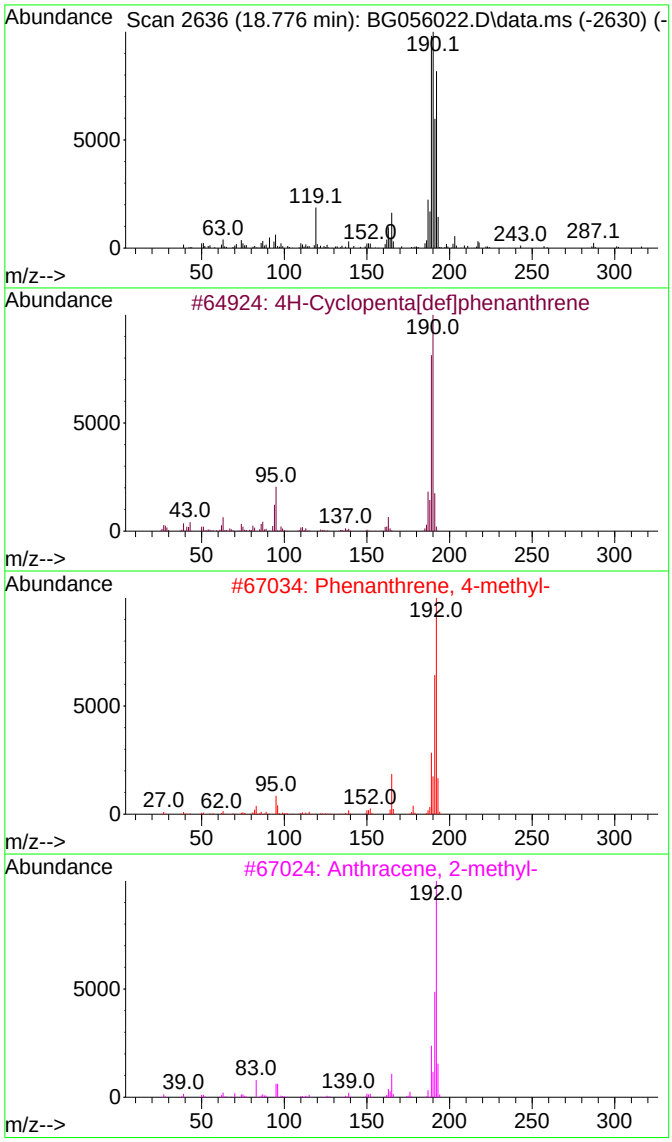
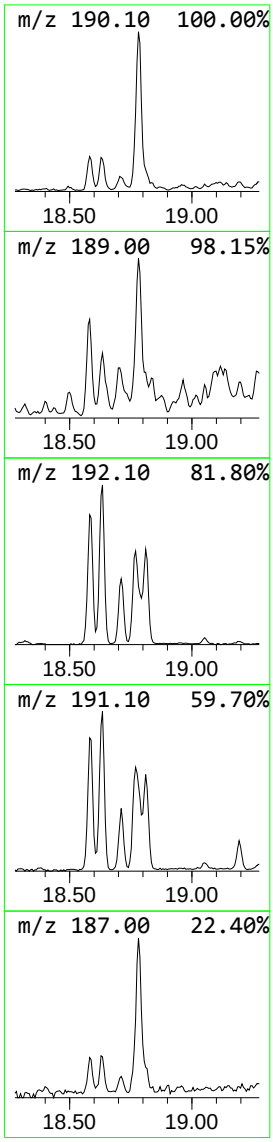
Peak Number 14 unknown18.776 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.776	27.63 ng	282167	Phenanthrene-d10	17.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	41
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	41
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	41





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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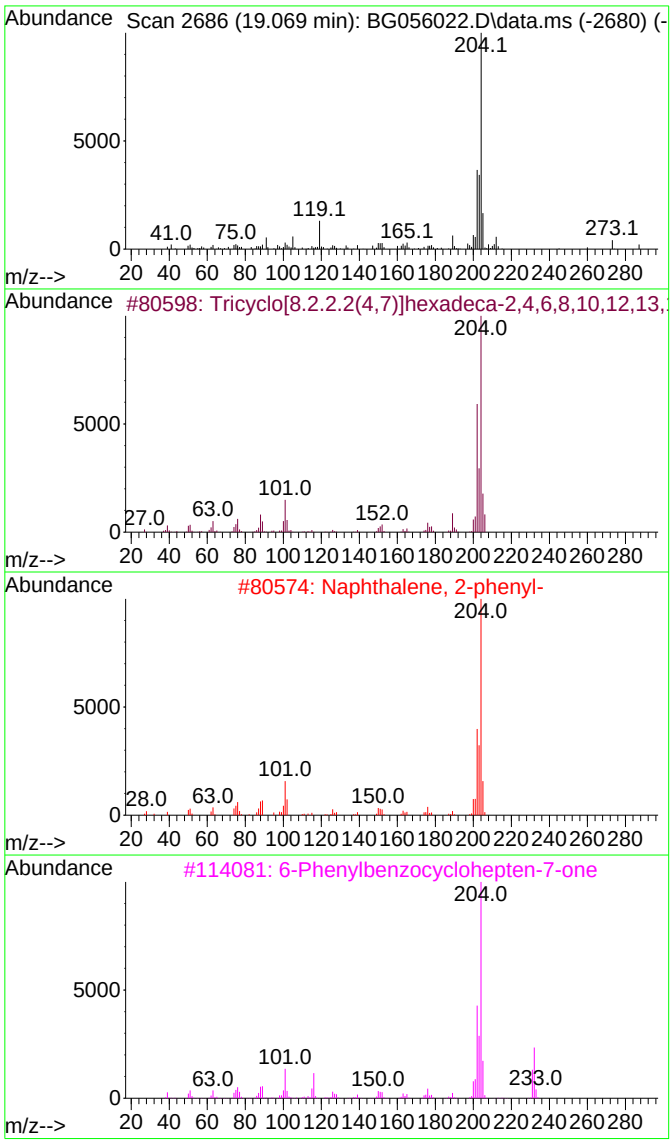
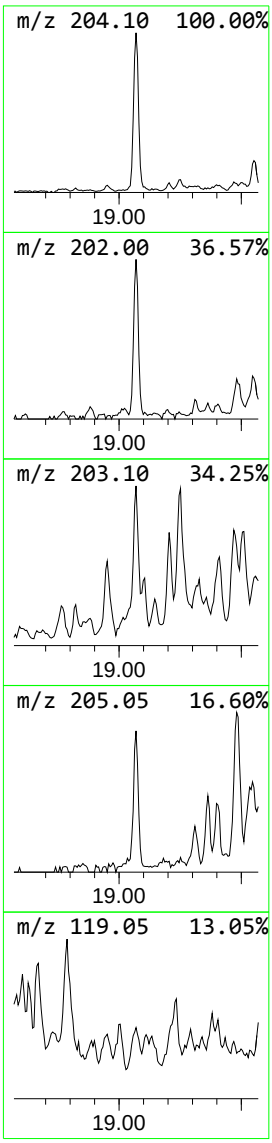
Peak Number 15 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.069	14.99 ng	153034	Phenanthrene-d10	17.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	50
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
5	benzene, 1,1'-(1-cyclobutene-1,2...	274	C16H12Cl2	1000397-05-3	50





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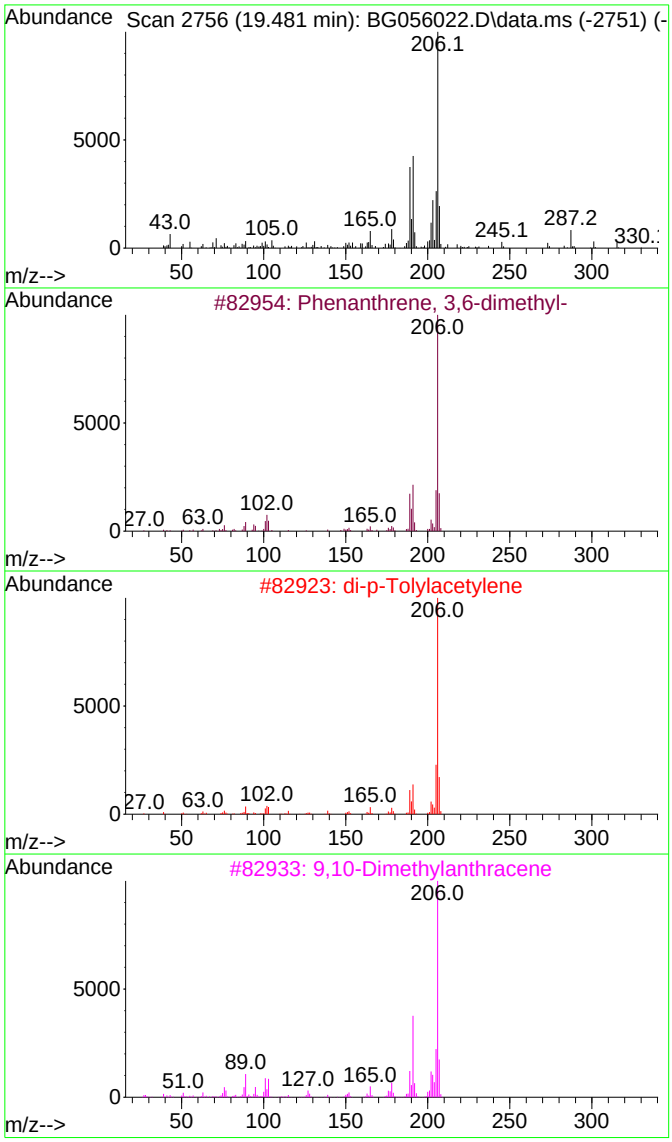
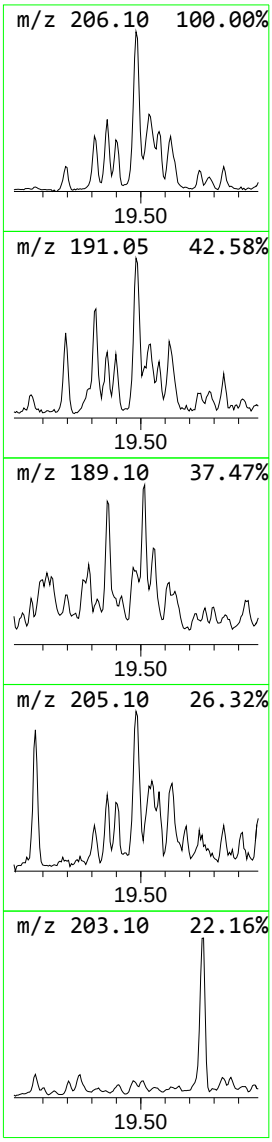
****
Peak Number 16 Phenanthrene, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.481	16.42 ng	167631	Phenanthrene-d10	17.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80





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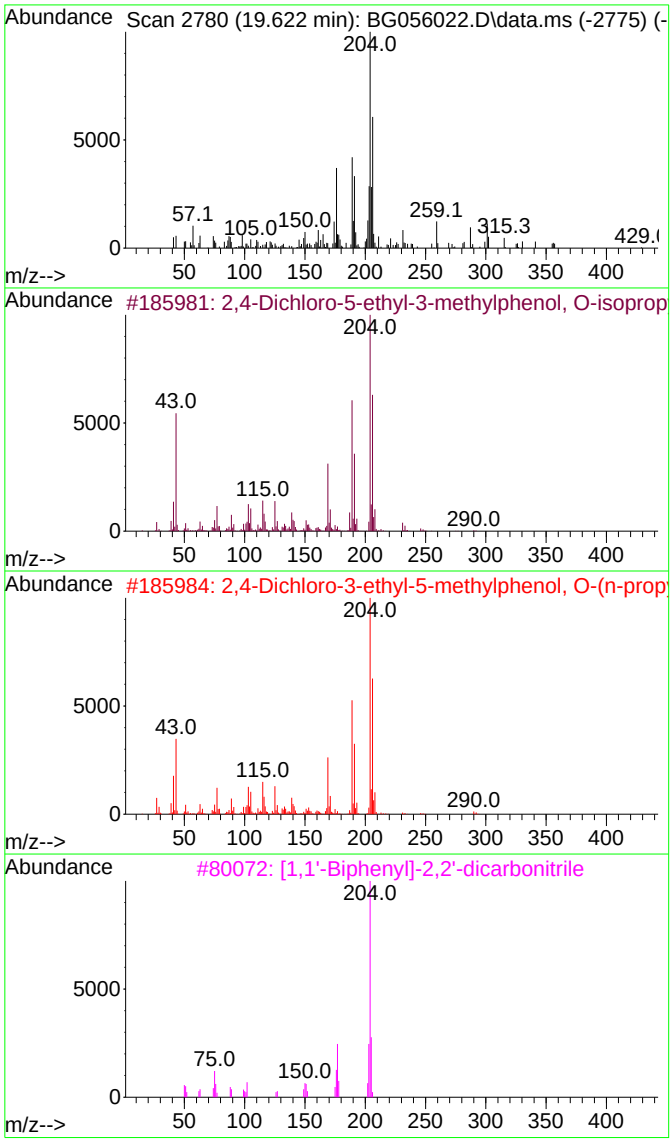
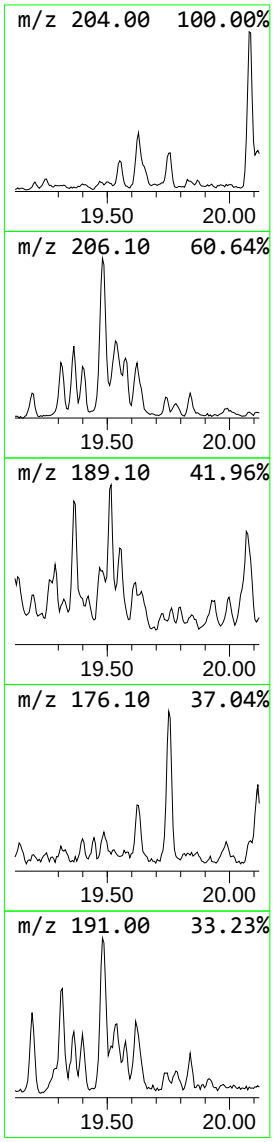
Peak Number 17 2,4-Dichloro-5-ethyl-3-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.622	15.12 ng	154437	Phenanthrene-d10	17.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dichloro-5-ethyl-3-methylphe...	290	C13H16Cl2O3	1000487-27-7	53
2	2,4-Dichloro-3-ethyl-5-methylphe...	290	C13H16Cl2O3	1000487-42-8	53
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056022.D
Acq On : 19 Dec 2022 20:52
Operator : CG/JU
Sample : N6067-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20221214

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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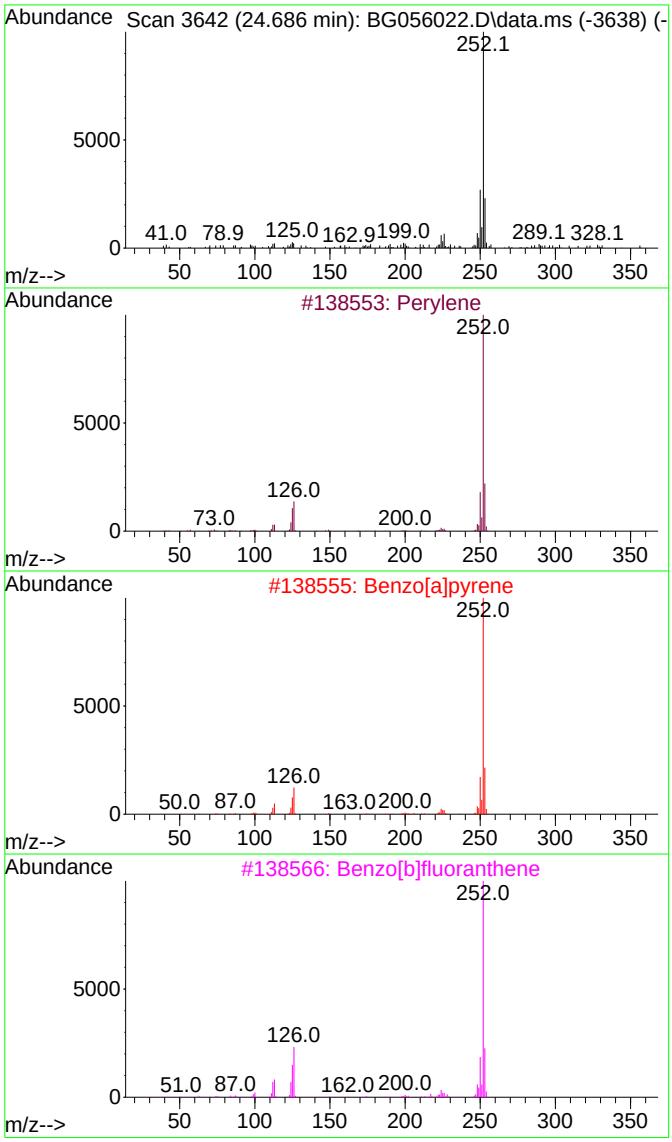
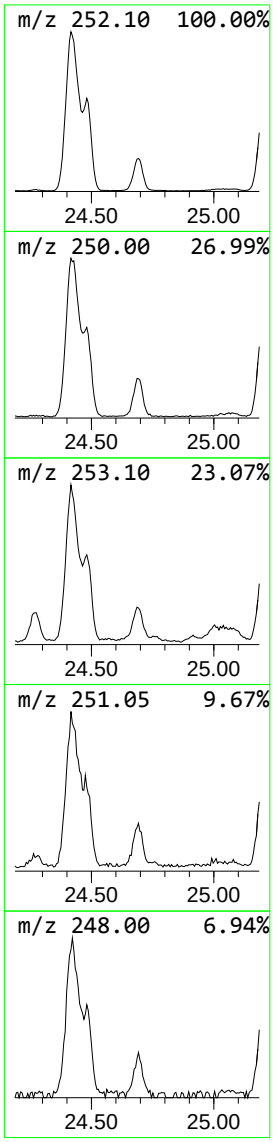
Peak Number 18 Perylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.686	13.08 ng	104478	Perylene-d12	25.526

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	81
2	Benzo[a]pyrene	252	C20H12	000050-32-8	81
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	76
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056022.D
Acq On : 19 Dec 2022 20:52
Operator : CG/JU
Sample : N6067-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20221214

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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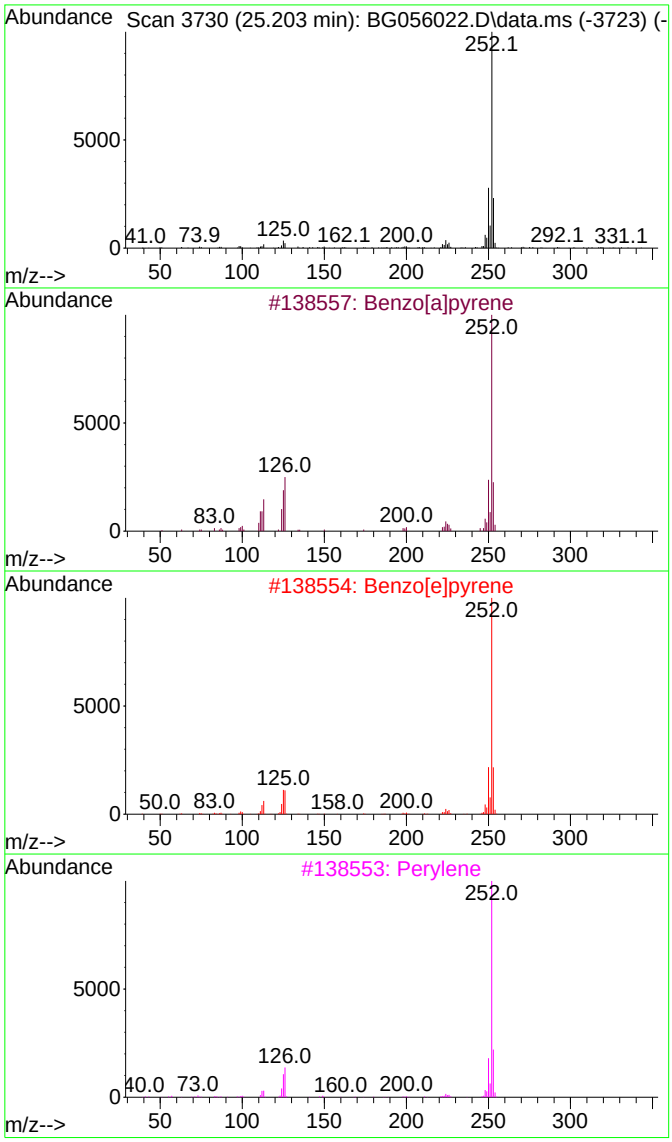
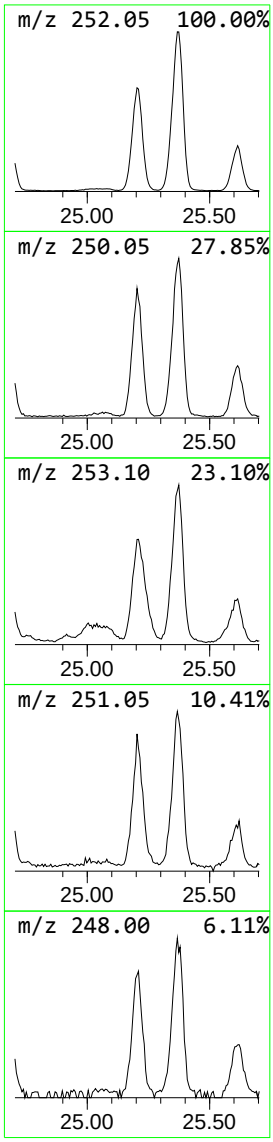
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.203	52.39 ng	418462	Perylene-d12	25.526

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	90
3	Perylene	252	C20H12	000198-55-0	87
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	87
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056022.D
Acq On : 19 Dec 2022 20:52
Operator : CG/JU
Sample : N6067-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20221214

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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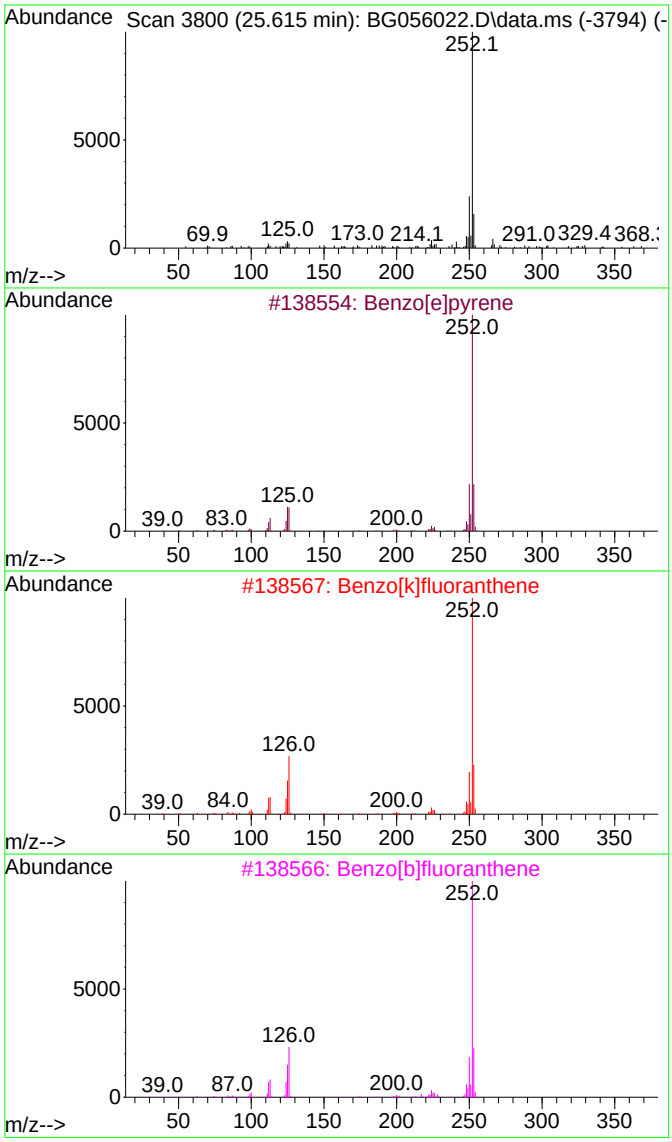
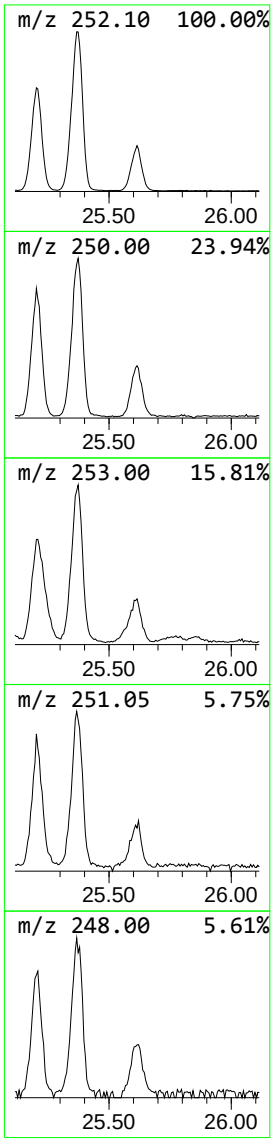
Peak Number 20 3-Amino-2,6-dibromopyridine Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.615	19.98 ng	159594	Perylene-d12	25.526

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	64
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	64
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	64
4	Benzo[a]pyrene	252	C20H12	000050-32-8	62
5	3-Amino-2,6-dibromopyridine	250	C5H4Br2N2	039856-57-0	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056022.D
Acq On : 19 Dec 2022 20:52
Operator : CG/JU
Sample : N6067-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-SOIL-20221214

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
Butane, 2-metho...	3.405	12.1	ng	34629	1	8.370	57215	20.0
2-Pentanone, 4-...	5.415	8.0	ng	22895	1	8.370	57215	20.0
9H-Fluoren-9-ol	16.302	12.4	ng	71183	3	14.974	114786	20.0
unknown17.348	17.348	8.7	ng	88585	4	17.718	204226	20.0
unknown17.906	17.906	8.6	ng	87526	4	17.718	204226	20.0
unknown18.000	18.000	10.7	ng	109701	4	17.718	204226	20.0
unknown18.229	18.229	20.1	ng	205625	4	17.718	204226	20.0
unknown18.300	18.300	9.3	ng	94647	4	17.718	204226	20.0
Benzene, 1-(1,5...	18.370	11.8	ng	120733	4	17.718	204226	20.0
Tridecane, 2-me...	18.517	11.2	ng	114395	4	17.718	204226	20.0
1H-Cyclopropa[l...	18.582	19.3	ng	196835	4	17.718	204226	20.0
Anthracene, 2-m...	18.629	18.0	ng	183647	4	17.718	204226	20.0
Anthracene, 1-m...	18.711	10.3	ng	105321	4	17.718	204226	20.0
unknown18.776	18.776	27.6	ng	282167	4	17.718	204226	20.0
Tricyclo[8.2.2....	19.069	15.0	ng	153034	4	17.718	204226	20.0
Phenanthrene, 3...	19.481	16.4	ng	167631	4	17.718	204226	20.0
2,4-Dichloro-5-...	19.622	15.1	ng	154437	4	17.718	204226	20.0
Perylene	24.686	13.1	ng	104478	6	25.526	159738	20.0
Benzo[e]pyrene	25.203	52.4	ng	418462	6	25.526	159738	20.0
3-Amino-2,6-dib...	25.615	20.0	ng	159594	6	25.526	159738	20.0