LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011922\
Data File : BM033783.D
Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

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_M\Methods\8270-BM011722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM033783.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.496	377	384	392	rBV	2484311	3510388	20.33%	1.624%
2	7.107	650	658	669	rBV	2264105	3621163	20.97%	1.675%
3	7.948	791	801	808	rBV	731323	1141897	6.61%	0.528%
4	9.113	988	999	1009	rBV	1467449	2492317	14.43%	1.153%
5	10.760	1269	1279	1284	rBV	910321	1599442	9.26%	0.740%
6	10.813	1284	1288	1296	rVB	689432	1113766	6.45%	0.515%
7	12.419	1556	1561	1569	rVB	377852	601037	3.48%	0.278%
8	12.636	1592	1598	1609	rVB	251816	403988	2.34%	0.187%
9	13.219	1688	1697	1707	rBV	3126240	4704075	27.24%	2.176%
10	13.424	1727	1732	1738	rBV	198588	277081	1.60%	0.128%
11	13.919	1810	1816	1821	rBV2	171814	313393	1.81%	0.145%
12	14.307	1877	1882	1887	rBV	133140	192275	1.11%	0.089%
13	14.583	1919	1929	1935	rBV	1234754	1912136	11.07%	0.884%
14	14.648	1935	1940	1948	rVV	1007145	1537237	8.90%	0.711%
15	14.977	1992	1996	2005	rVB	546200	843769	4.89%	0.390%
16	15.630	2101	2107	2118	rVB	1063023	1614951	9.35%	0.747%
17	16.065	2173	2181	2189	rVV	2406188	3450250	19.98%	1.596%
18	16.630	2265	2277	2281	rBV	124009	299063	1.73%	0.138%
19	17.071	2344	2352	2359	rBV7	123427	346545	2.01%	0.160%
20	17.136	2359	2363	2370	rVB	376377	554479	3.21%	0.256%
21	17.324	2389	2395	2397	rBV	1269455	1861735	10.78%	0.861%
22	17.365	2397	2402	2408	rVV	7090017	9968008	57.72%	4.610%
23	17.418	2408	2411	2413	rVV2	196410	275473	1.60%	0.127%
24	17.454	2413	2417	2422	rVV	2078426	2749850	15.92%	1.272%
25	17.512	2422	2427	2431	rVV	127878	184578	1.07%	0.085%
26	17.718	2453	2462	2467	rBV	887738	1461971	8.47%	0.676%
27	18.201	2536	2544	2545	rBV	442474	711602	4.12%	0.329%
28	18.218	2545	2547	2549	rVV	530352	641515	3.71%	0.297%
29	18.242	2549	2551	2556	rVB	657217	780380	4.52%	0.361%
30	18.324	2561	2565	2571	rVB	245156	365811	2.12%	0.169%
31	18.395	2571	2577	2581	rBV2	1099134	1762478	10.21%	0.815%
32	18.536	2596	2601	2608	rVB3	280367	424764	2.46%	0.196%
33	18.695	2623	2628	2632	rBV	392208	526378	3.05%	0.243%
34	18.942	2666	2670	2673	rVB	141770	177183	1.03%	0.082%
35	19.106	2694	2698	2703	rBV	209307	346494	2.01%	0.160%
36	19.242	2717	2721	2725	rBV2	233827	356525	2.06%	0.165%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011922\
Data File : BM033783.D
Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

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_M\Methods\8270-BM011722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.377	2737	2744	2750	rBV	9640546	12886689	74.62%	5.960%
38	19.471	2756	2760	2765	rBV3	126850	231762	1.34%	0.107%
39	19.612	2780	2784	2788	rBV	309426	388155	2.25%	0.180%
40	19.736	2794	2805	2813	rBV	7948058	13817771	80.01%	6.391%
41	19.806	2813	2817	2823	rVB3	341687	582499	3.37%	0.269%
42	19.930	2830	2838	2842	rBV	3998442	5473506	31.69%	2.532%
43	19.971	2842	2845	2851	rVB	403912	543393	3.15%	0.251%
44	20.048	2853	2858	2865	rBV2	323090	911118	5.28%	0.421%
45	20.106	2865	2868	2872	rVB	263023	306718	1.78%	0.142%
46	20.224	2879	2888	2898	rVB	1529986	2520975	14.60%	1.166%
47	20.324	2900	2905	2909	rBV	1650189	2137857	12.38%	0.989%
48	20.383	2909	2915	2918	rBV3	552612	845785	4.90%	0.391%
49	20.418	2918	2921	2925	rVB	450193	519089	3.01%	0.240%
50	20.465	2926	2929	2934	rVB6	169062	231339	1.34%	0.107%
51	20.524	2935	2939	2942	rBV	323886	446421	2.58%	0.206%
52	20.571	2942	2947	2951	rBV2	603894	981509	5.68%	0.454%
53	20.718	2969	2972	2974	rBV	236544	288887	1.67%	0.134%
54	20.748	2974	2977	2980	rVB2	337661	391479	2.27%	0.181%
55	20.812	2985	2988	2990	rBV	169883	204996	1.19%	0.095%
56	20.930	3004	3008	3012	rBV3	256550	484776	2.81%	0.224%
57	21.136	3036	3043	3046	rBV	1068814	1694013	9.81%	0.783%
58	21.171	3046	3049	3051	rVV	598814	678821	3.93%	0.314%
59	21.206	3051	3055	3061	rVB3	1477944	2198245	12.73%	1.017%
60	21.371	3080	3083	3091	rBV2	237915	288326	1.67%	0.133%
61	21.471	3095	3100	3106	rVV3	6026183	10731567	62.14%	4.963%
62	21.524	3106	3109	3118	rVB	4915626	6345342	36.74%	2.935%
63	21.606	3120	3123	3126	rVB3	247959	284045	1.64%	0.131%
64	21.647	3126	3130	3134	rBV	1630652	2107126	12.20%	0.975%
65	21.806	3153	3157	3163	rBV	819721	1292168	7.48%	0.598%
66	22.059	3194	3200	3204	rBV	738774	1260441	7.30%	0.583%
67	22.106	3204	3208	3217	rBV3	1647784	3460487	20.04%	1.601%
68	22.271	3233	3236	3239	rBV3	361201	475376	2.75%	0.220%
69	22.306	3239	3242	3248	rVB2	770878	1237983	7.17%	0.573%
70	22.371	3249	3253	3259	rBV4	454354	790300	4.58%	0.366%
71	22.747	3314	3317	3328	rVB3	582856	1166016	6.75%	0.539%
72	23.165	3381	3388	3393	rBV	8676715	17270723	100.00%	7.988%
73	23.347	3415	3419	3431	rVB	718365	1336709	7.74%	0.618%
74	23.688	3471	3477	3486	rVB	2367240	4804396	27.82%	2.222%
75	23.794	3487	3495	3503	rVB	3876261	7813223	45.24%	3.614%
76	23.894	3507	3512	3516	rVV2	1122887	2196492	12.72%	1.016%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011922\
Data File : BM033783.D
Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

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_M\Methods\8270-BM011722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	23.947	3517	3521	3530	rVB	1163615	2386670	13.82%	1.104%
78	24.400	3593	3598	3609	rVB3	579759	1386386	8.03%	0.641%
79	24.535	3613	3621	3629	rVB	4329165	9869335	57.14%	4.565%
80	25.047	3702	3708	3725	rVB2	920647	2770926	16.04%	1.282%
81	26.412	3930	3940	3955	rVB3	2185851	7726751	44.74%	3.574%
82	27.194	4064	4073	4091	rVB	1388151	5042389	29.20%	2.332%
83	27.388	4096	4106	4113	rBV6	2135551	8256646	47.81%	3.819%
84	28.235	4240	4250	4262	rBV4	1894620	7628154	44.17%	3.528%
85	28.829	4342	4351	4360	rBV4	1564978	6394680	37.03%	2.958%

Sum of corrected areas: 216212457

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011922\
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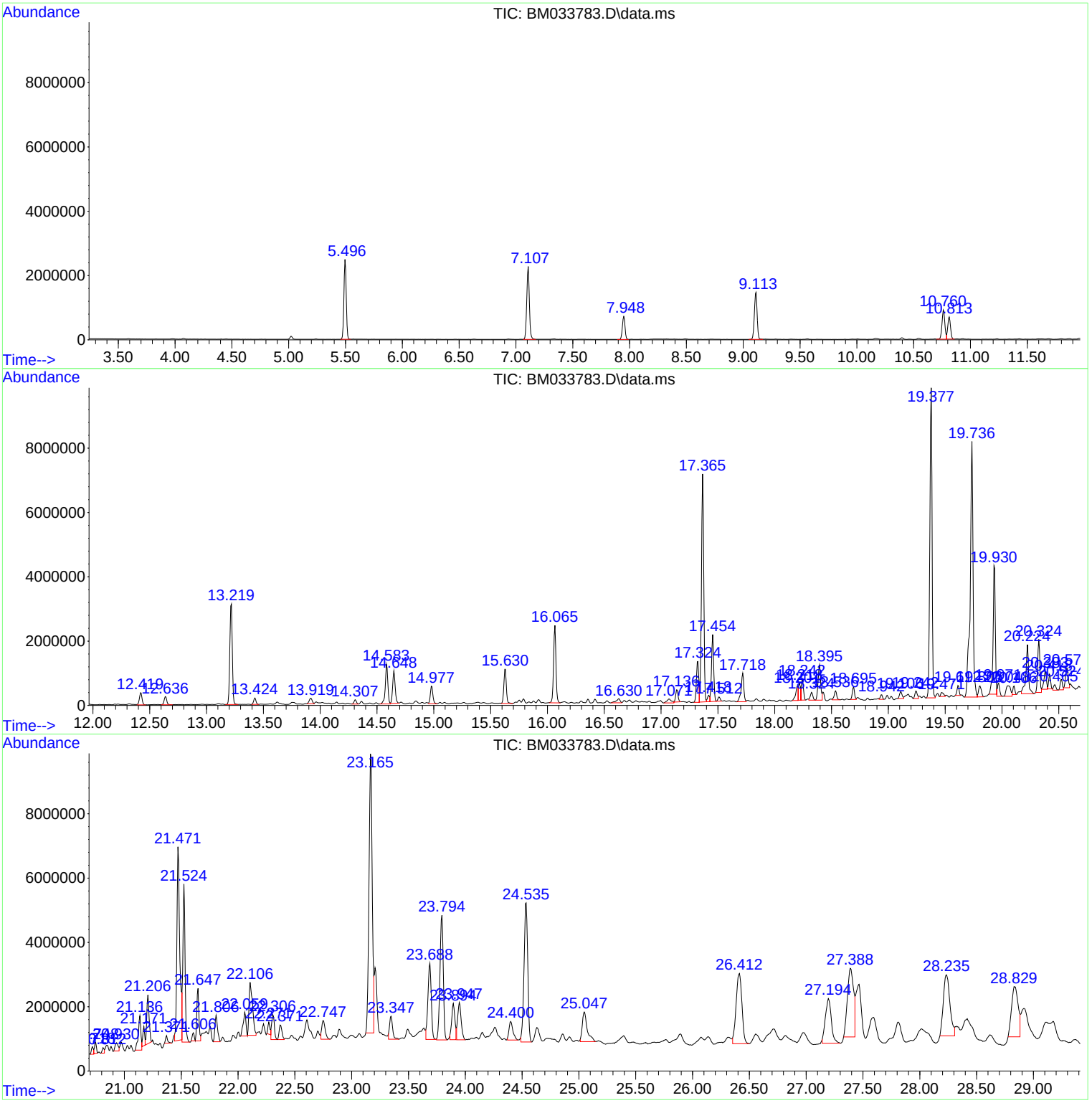
Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.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_M\Data\BM011922\
Data File : BM033783.D
Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

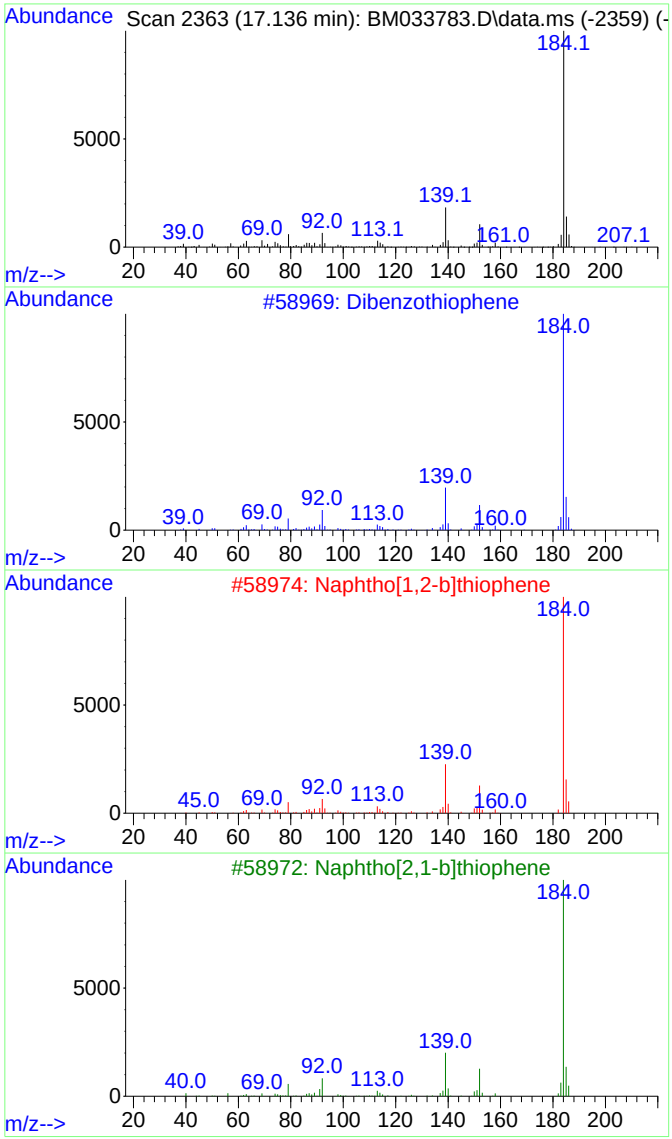
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

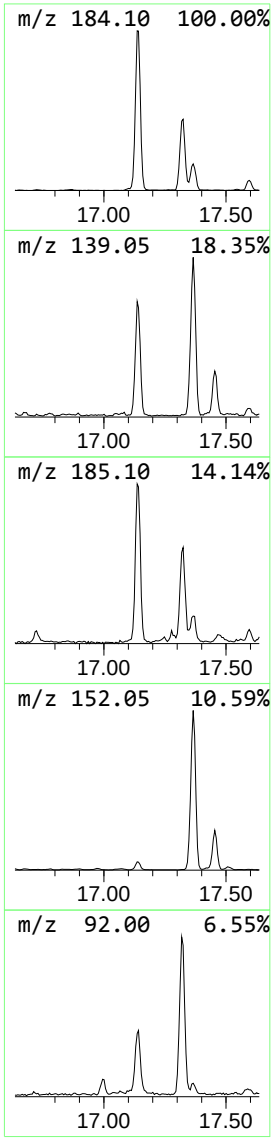
****

Peak Number 1 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.136	5.96 ng	554479	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011922\
Data File : BM033783.D
Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

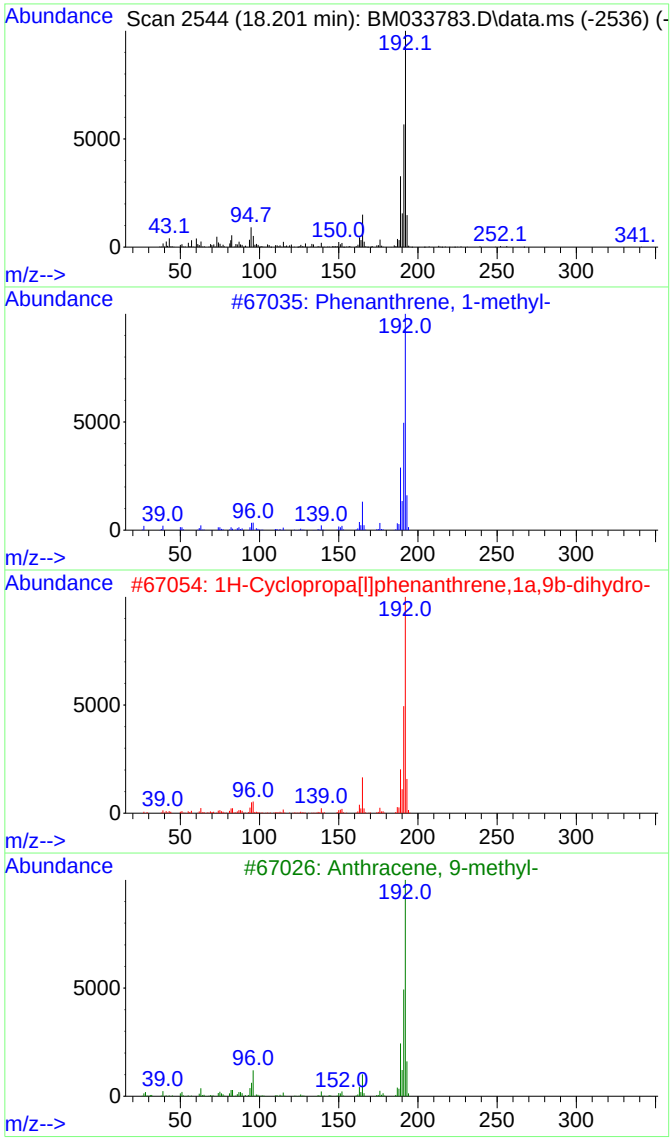
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

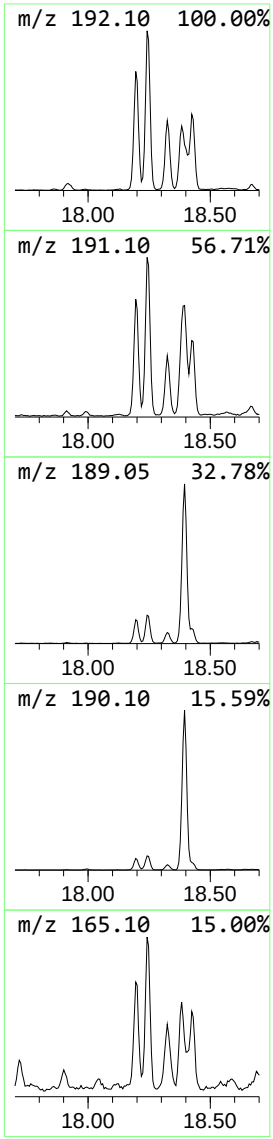
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.201	7.64 ng	711602	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
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	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011922\
Data File : BM033783.D
Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

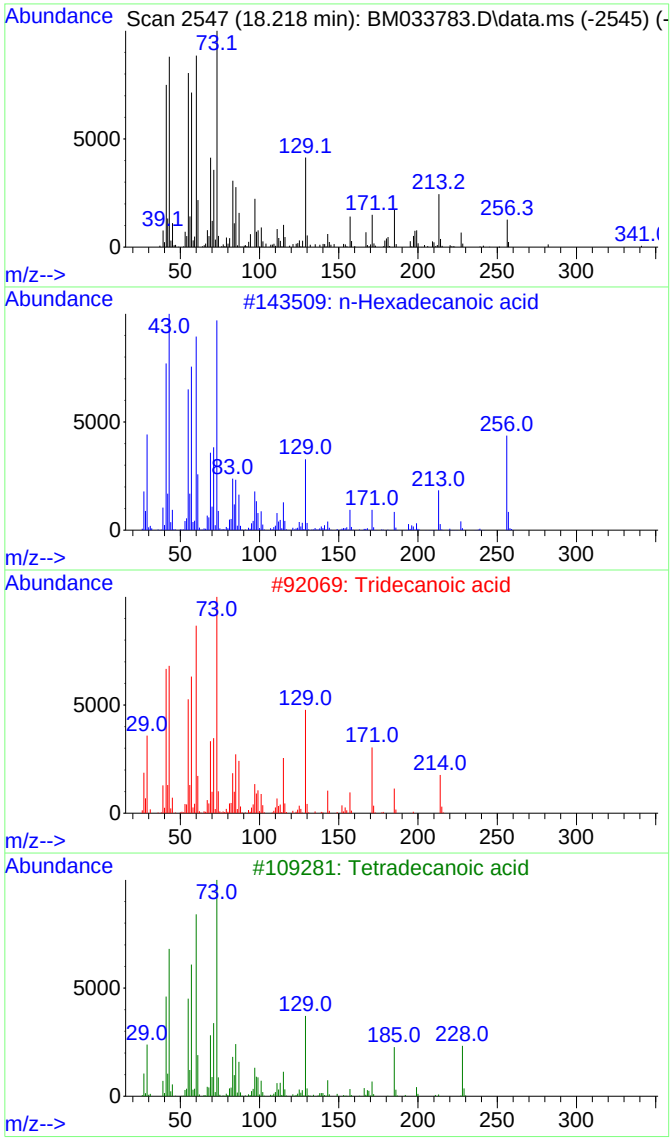
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

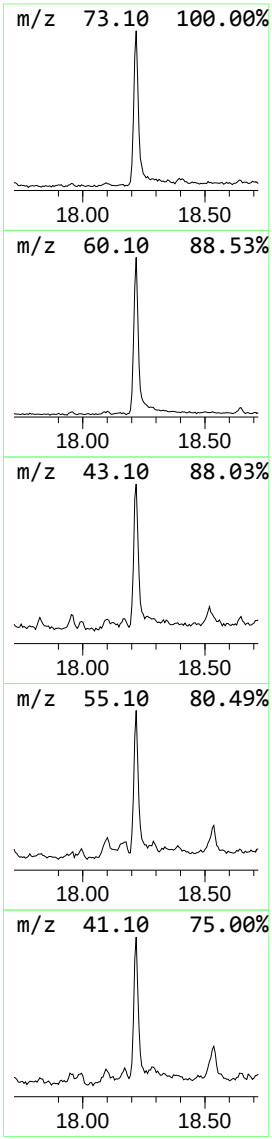
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.218	6.89 ng	641515	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
5	Undecanoic acid	186	C11H22O2	000112-37-8	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011922\
Data File : BM033783.D
Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

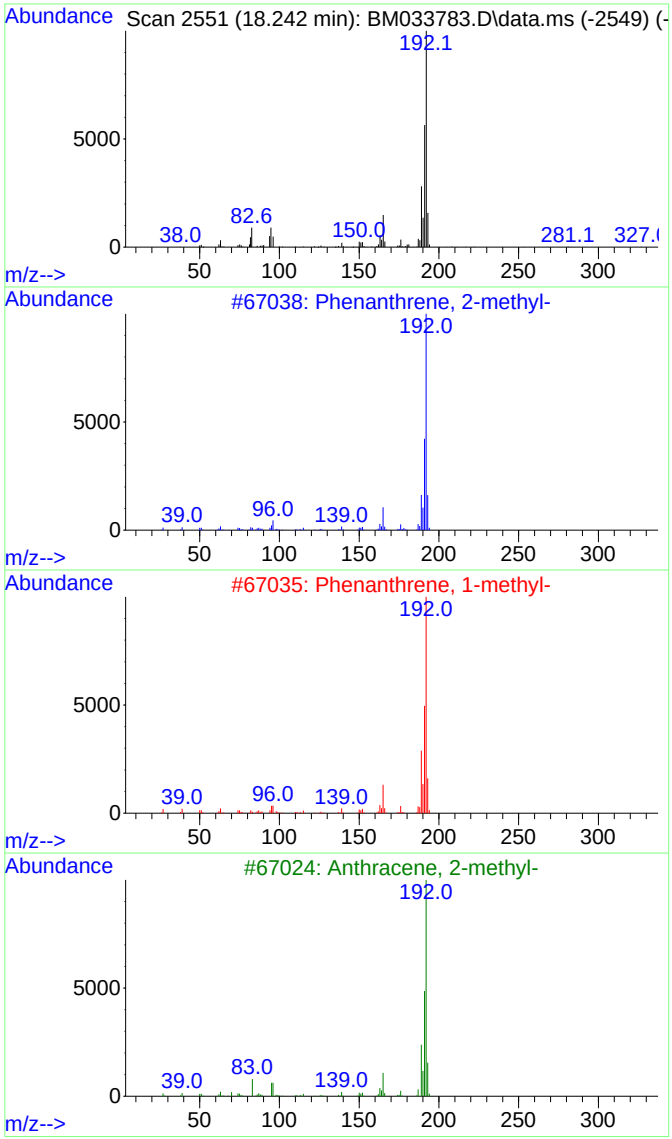
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

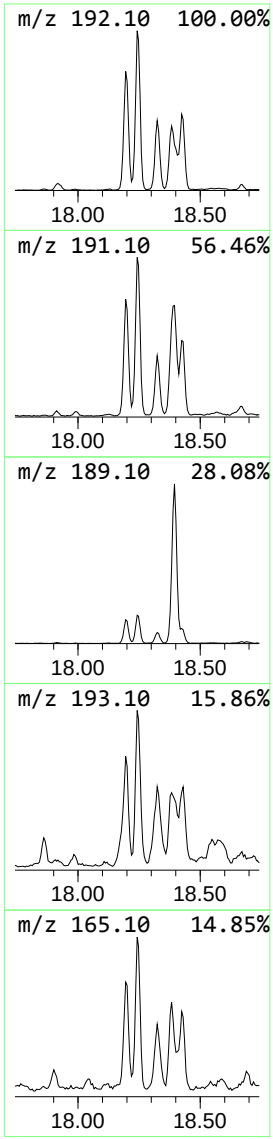
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.242	8.38 ng	780380	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011922\
Data File : BM033783.D
Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

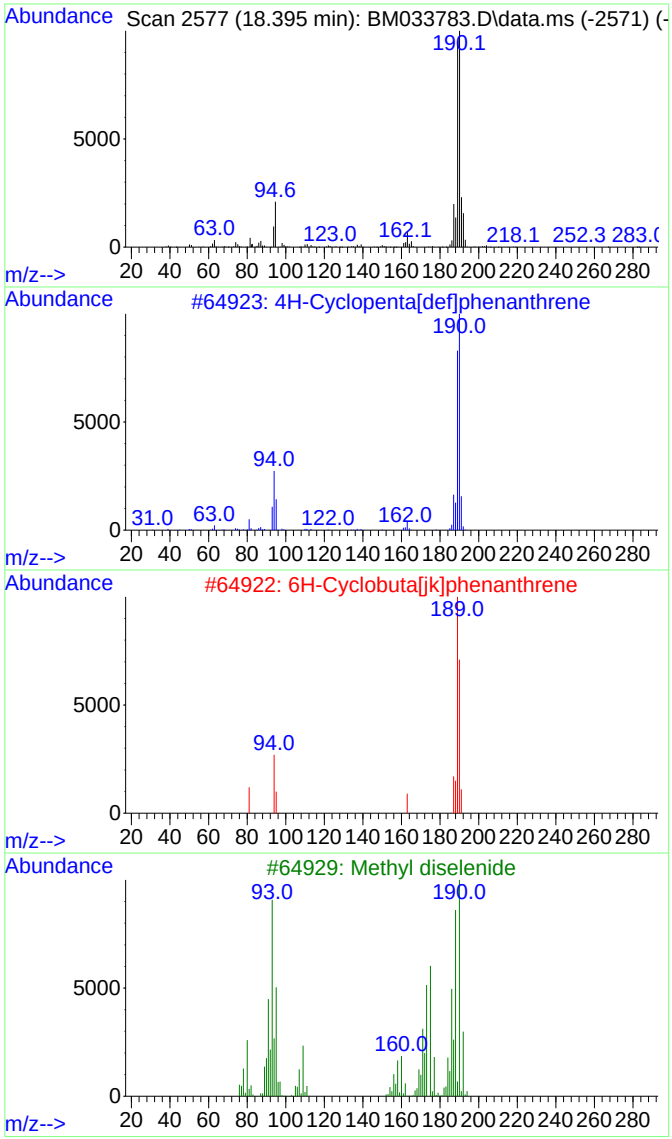
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

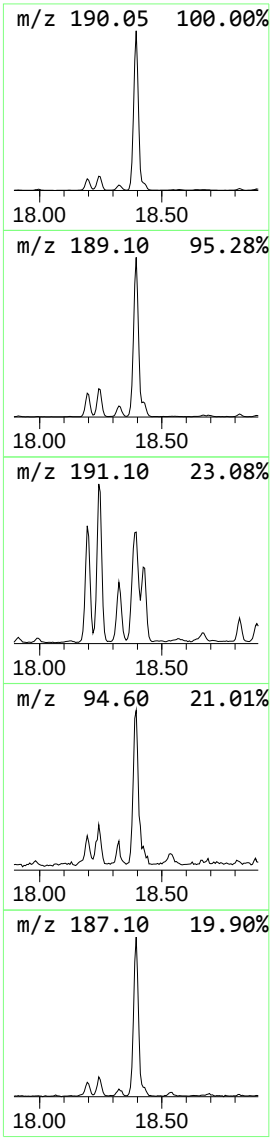
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.395	18.93 ng	1762480	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011922\
Data File : BM033783.D
Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

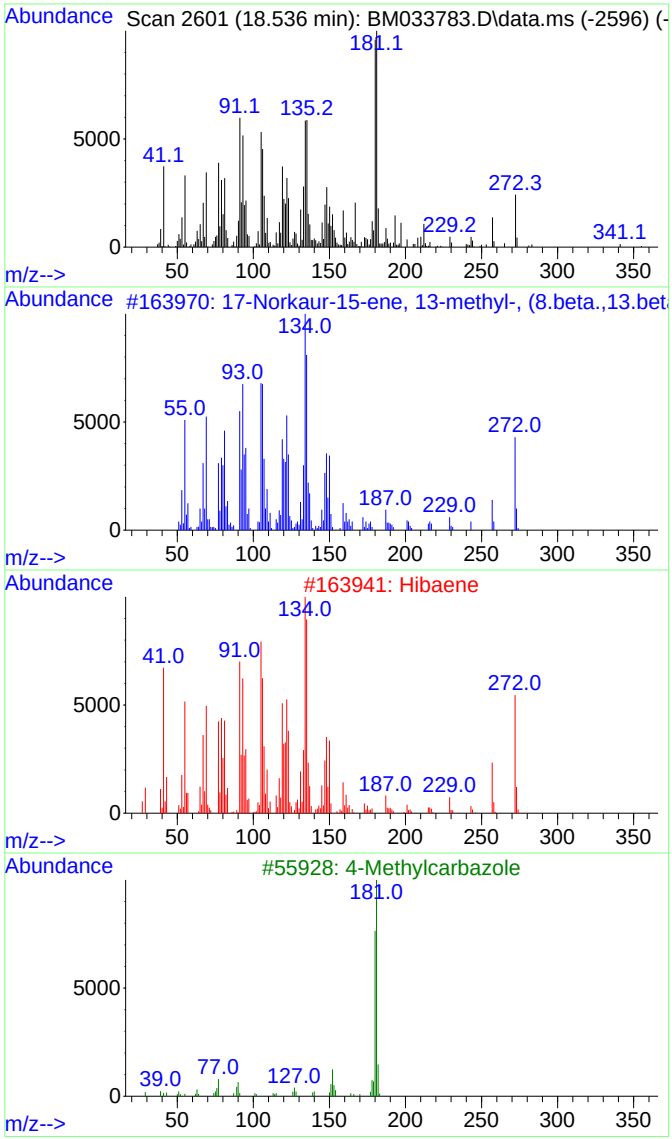
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

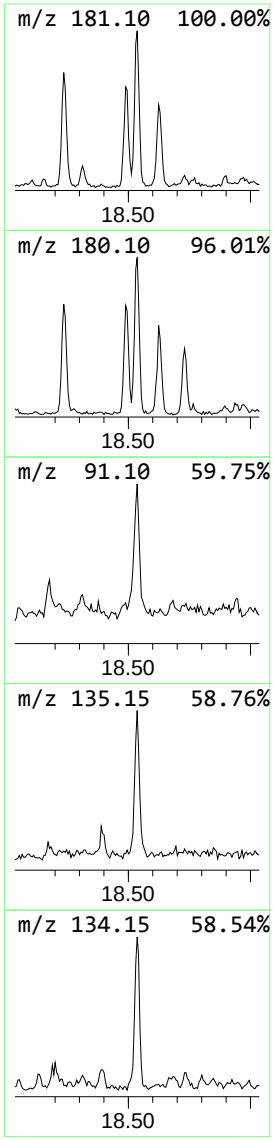
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 17-Norkaur-15-ene, 13-methy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.536	4.56 ng	424764	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Norkaur-15-ene, 13-methyl-, (...	272	C20H32	003564-54-3	96
2	Hibaene	272	C20H32	002359-73-1	95
3	4-Methylcarbazole	181	C13H11N	003770-48-7	93
4	1-Methylcarbazole	181	C13H11N	006510-65-2	83
5	3-Methylcarbazole	181	C13H11N	004630-20-0	83





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Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.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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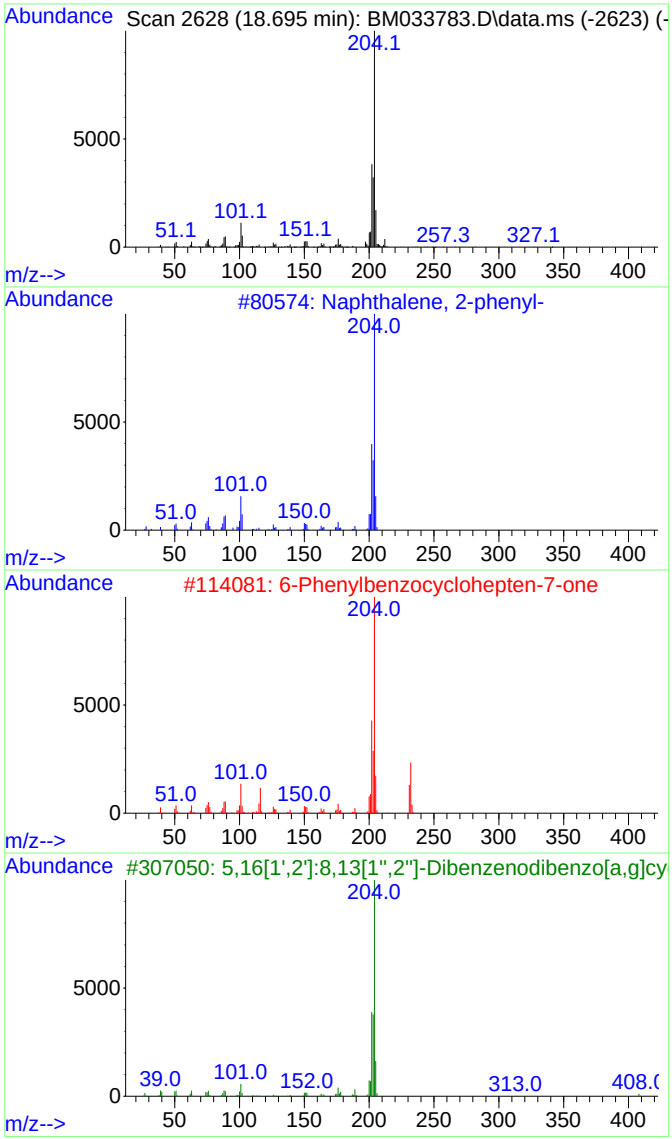
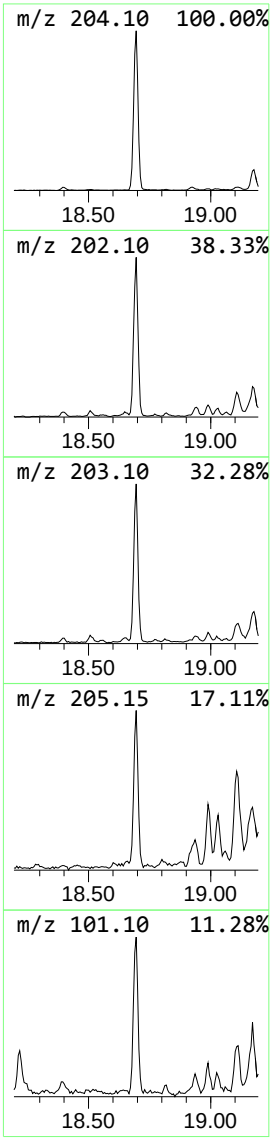
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.695	5.65 ng	526378	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70





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Instrument :
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ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.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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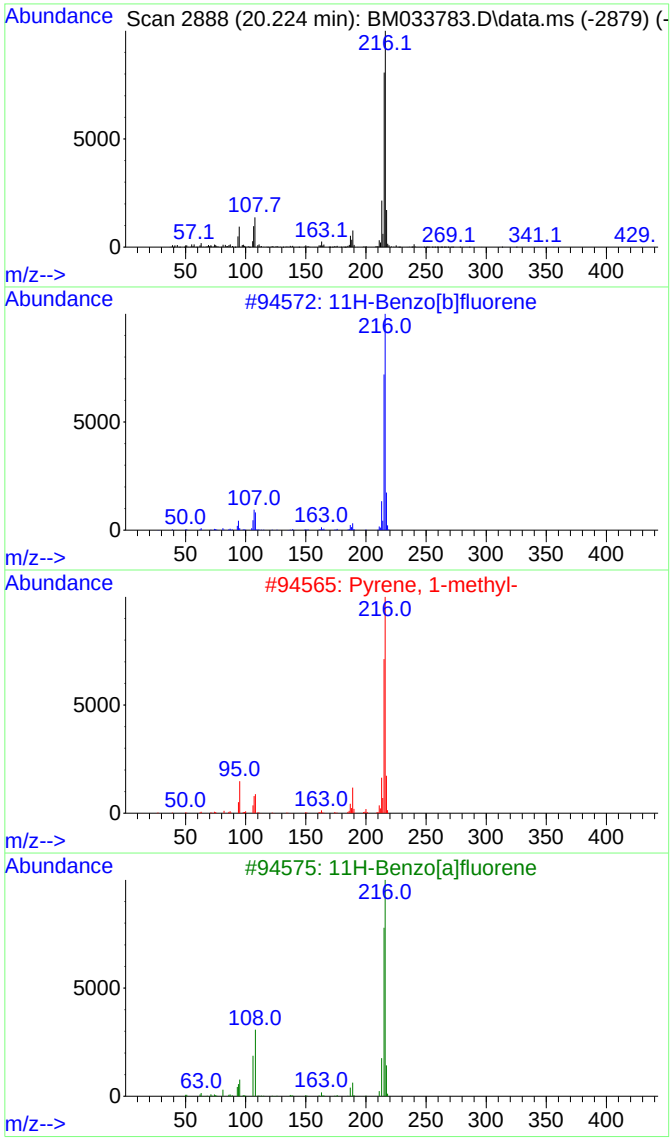
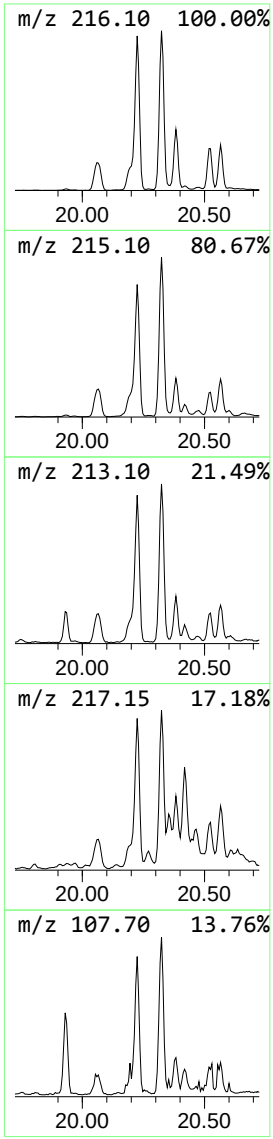
Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.224	4.70 ng	2520980	Chrysene-d12	21.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.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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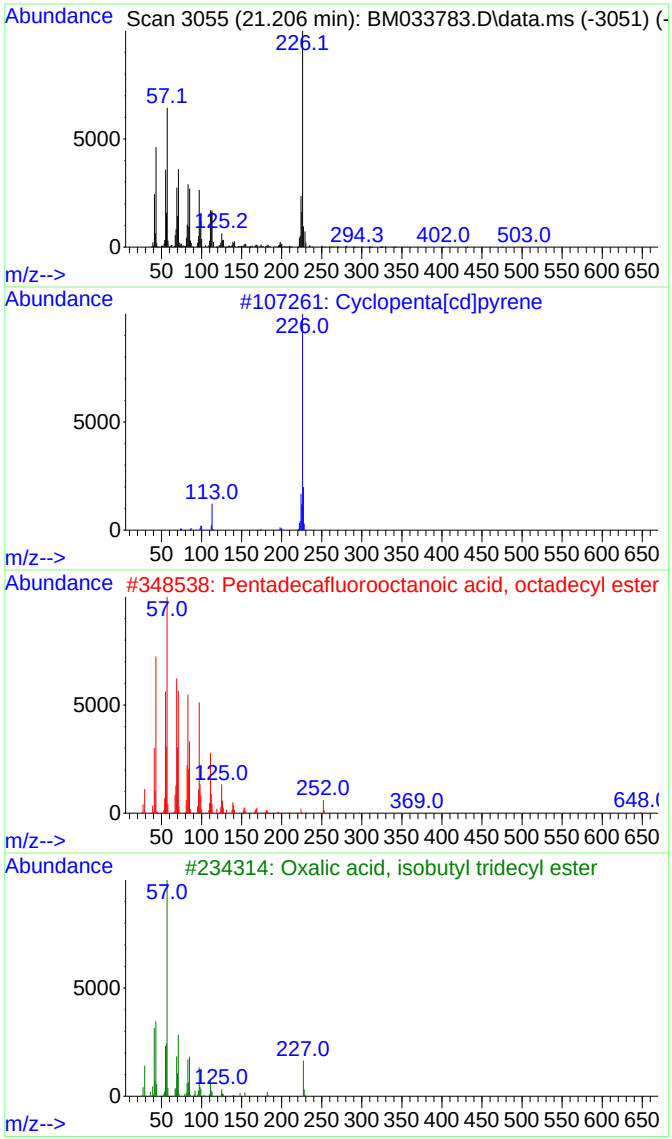
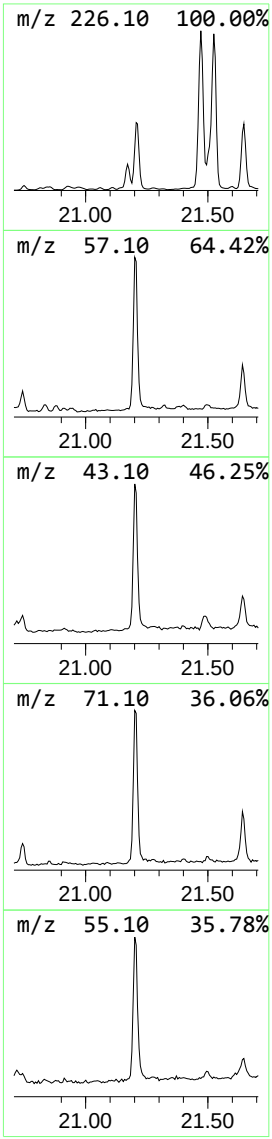
Peak Number 9 unknown21.206 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.206	4.10 ng	2198250	Chrysene-d12	21.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	25
3	Oxalic acid, isobutyl tridecyl e...	328	C19H36O4	1000309-37-8	25
4	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	25
5	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	20





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

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

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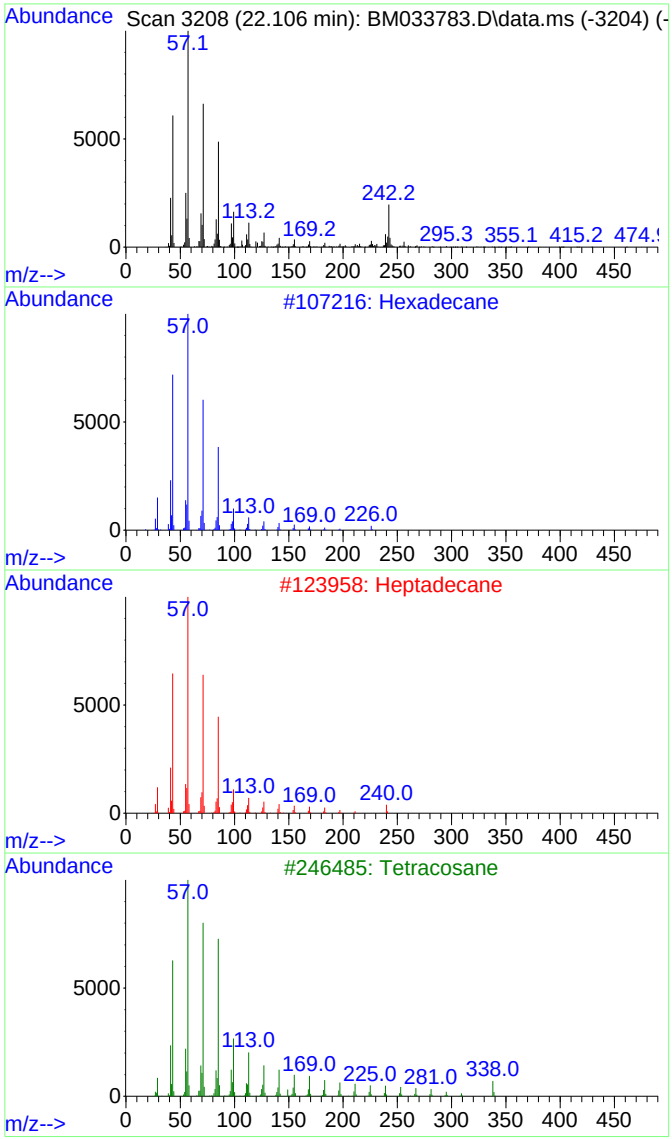
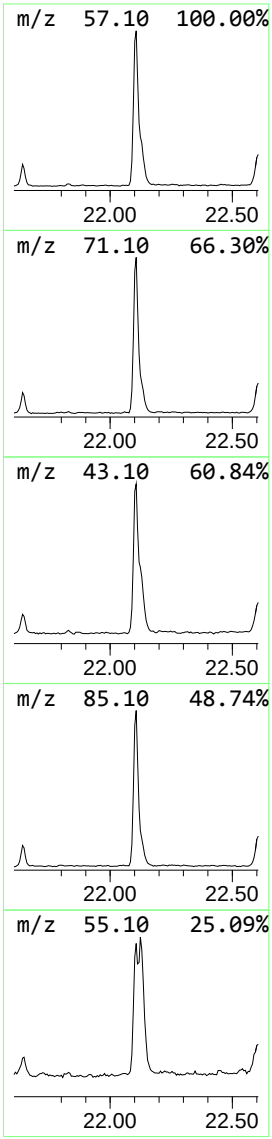
Peak Number 10 Hexadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.106	6.45 ng	3460490	Chrysene-d12	21.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	96
2	Heptadecane	240	C17H36	000629-78-7	95
3	Tetracosane	338	C24H50	000646-31-1	81
4	Octacosane, 2-methyl-	408	C29H60	001560-98-1	81
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	81





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Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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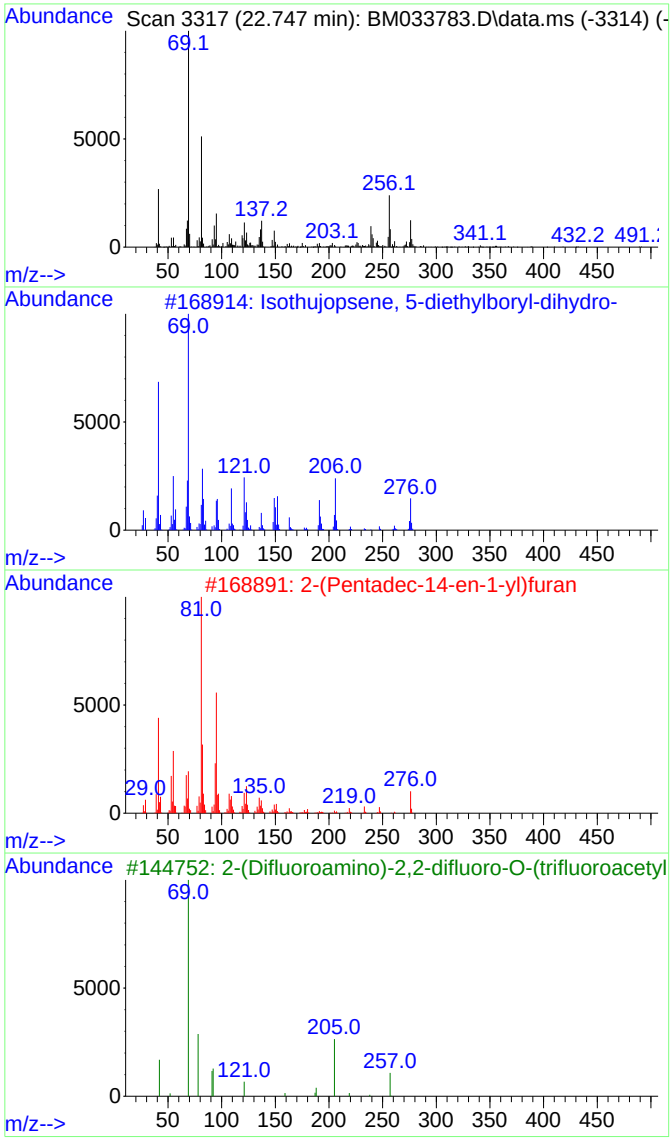
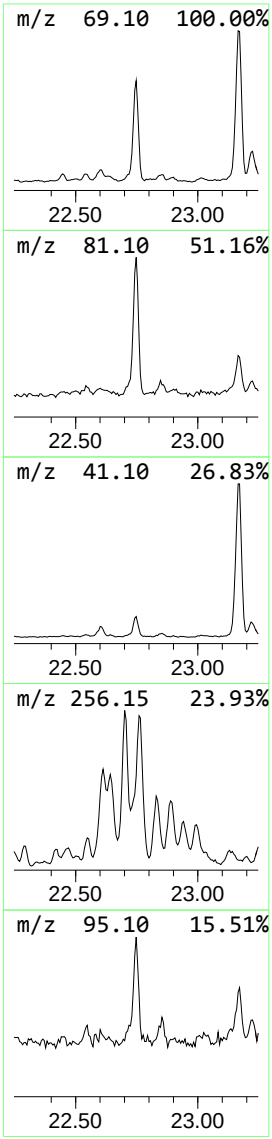
Peak Number 11 unknown22.747 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.747	10.62 ng	1166020	Perylene-d12	23.894

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothujopsene, 5-diethylboryl-di...	276	C19H37B	1000151-29-3	38
2	2-(Pentadec-14-en-1-yl)furan	276	C19H32O	1000465-69-5	6
3	2-(Difluoroamino)-2,2-difluoro-O...	257	C4H2F7N3O2	115983-88-5	5
4	Cyclopropanecarboxamide, N-[3-(m...	239	C11H13NO3S	1010319-87-8	5
5	Cyclopropanecarboxylic acid chlo...	104	C4H5ClO	004023-34-1	4





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Sample : N1152-01
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.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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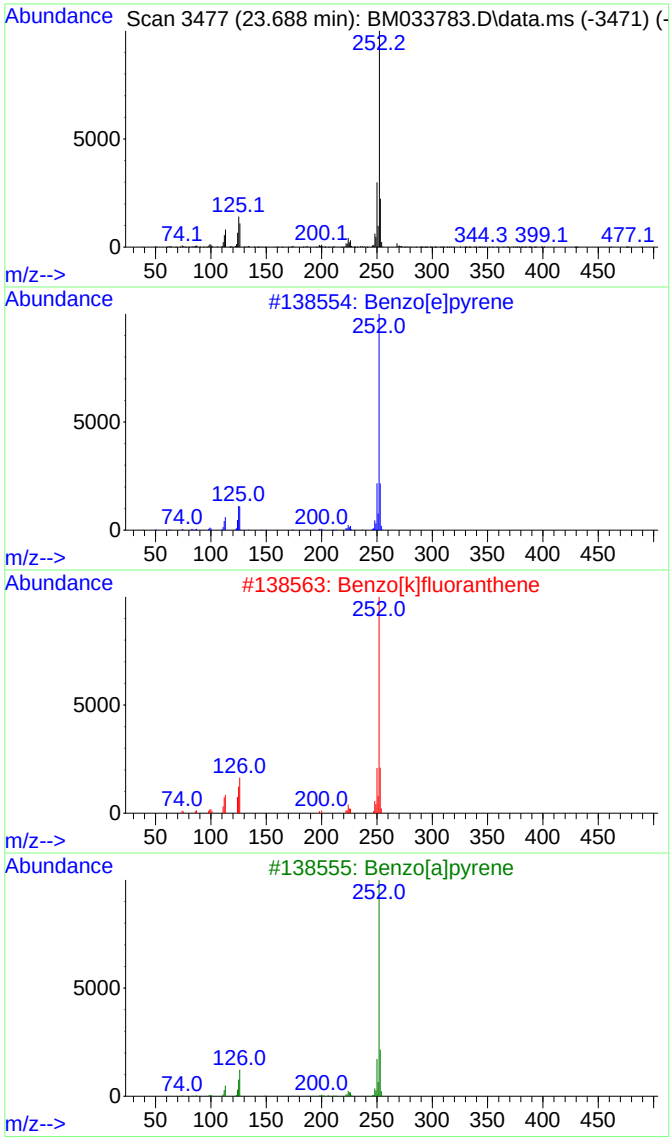
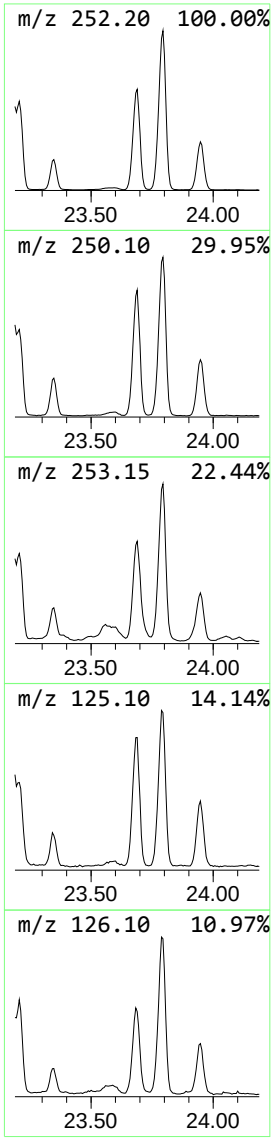
Peak Number 13 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.689	43.75 ng	4804400	Perylene-d12	23.894

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





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Sample : N1152-01
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Instrument :
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ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.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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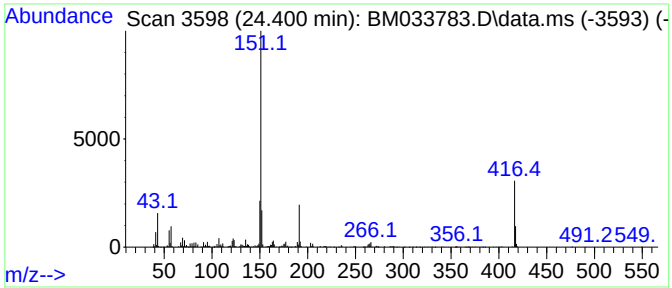
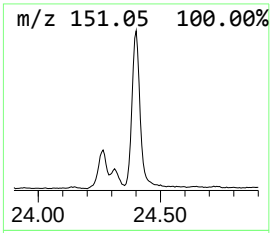
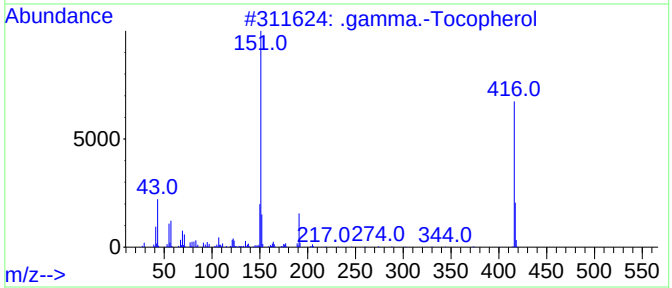
Peak Number 15 .gamma.-Tocopherol Concentration Rank 9

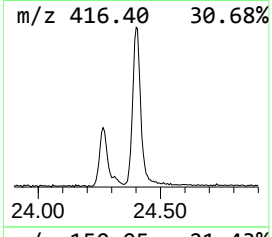
R.T.	EstConc	Area	Relative to ISTD	R.T.
24.400	12.62 ng	1386390	Perylene-d12	23.894

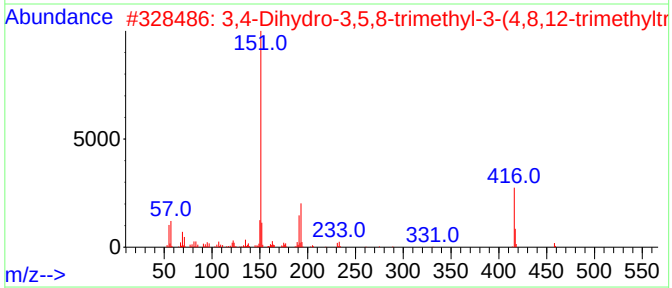
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Tocopherol	416	C28H48O2	007616-22-0	95
2	3,4-Dihydro-3,5,8-trimethyl-3-(4...	458	C30H50O3	1000105-71-9	72
3	Benzenepropanenitrile, 3,4-dimet...	191	C11H13NO2	049621-56-9	64
4	p-tert-Octylresorcinol	222	C14H22O2	028122-52-3	43
5	3-Methyl-4-nitrobenzyl alcohol, ...	223	C12H17NO3	1000395-11-3	43

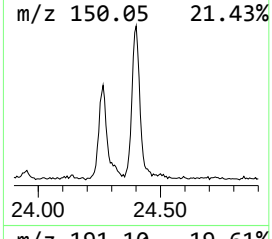


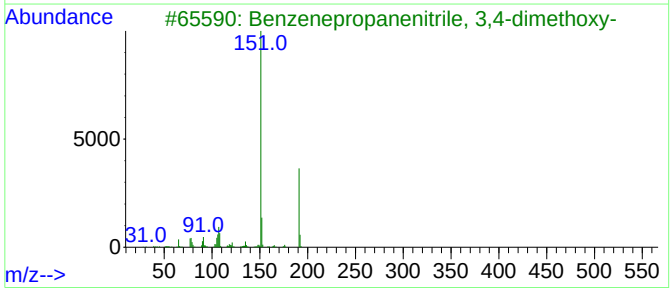


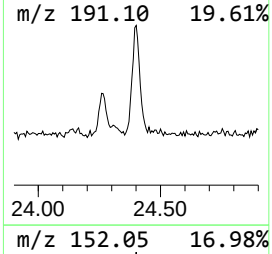


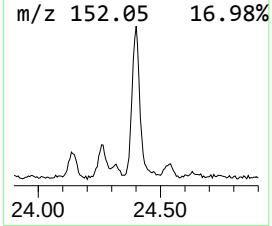












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Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

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VACLOT-TOPSOIL-01

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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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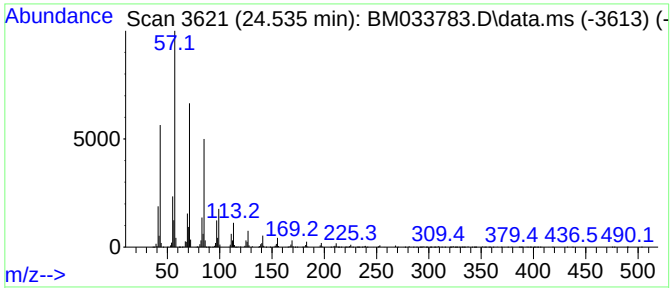
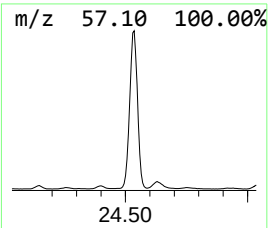
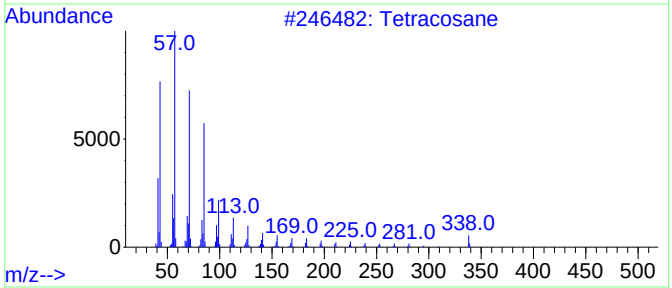
Peak Number 16 Tetracosane Concentration Rank 1

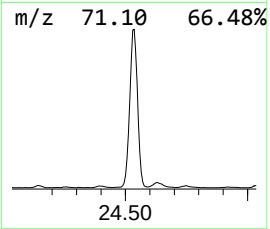
R.T.	EstConc	Area	Relative to ISTD	R.T.
24.535	89.86 ng	9869340	Perylene-d12	23.894

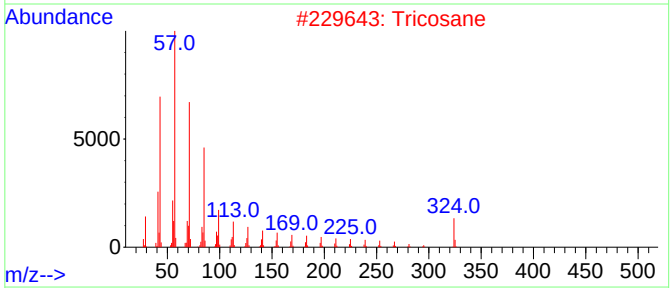
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	98
2	Tricosane	324	C23H48	000638-67-5	95
3	2-Methylpentacosane	366	C26H54	000629-87-8	94
4	Hexacosane	366	C26H54	000630-01-3	91
5	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	91

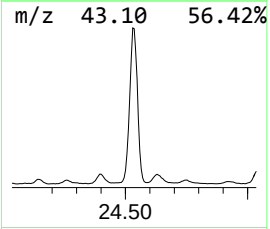


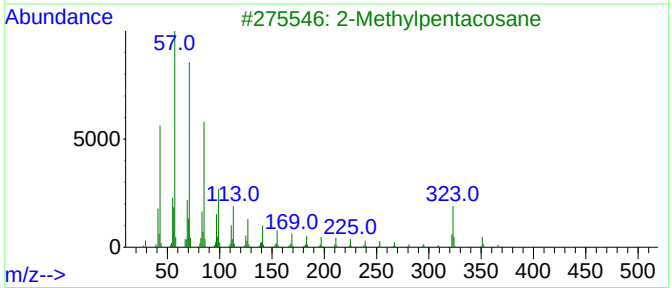


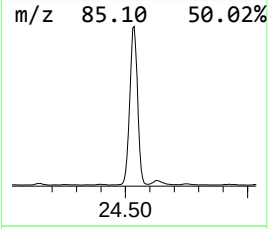


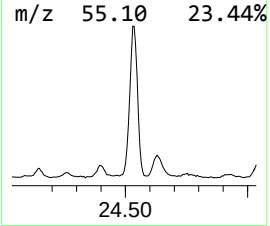












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Data File : BM033783.D
Acq On : 19 Jan 2022 14:30
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Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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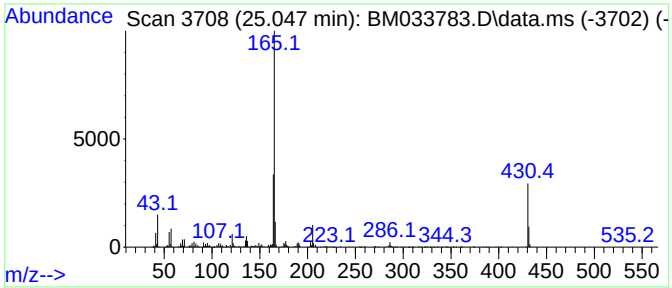
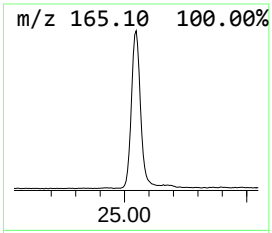
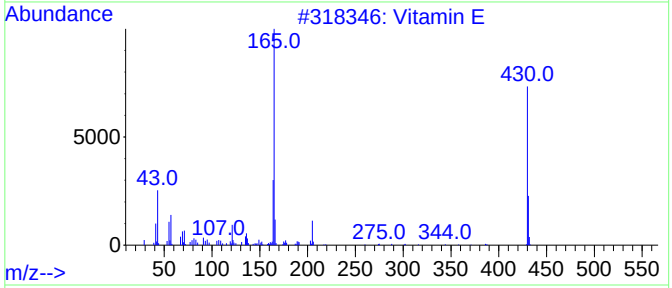
Peak Number 17 Vitamin E Concentration Rank 6

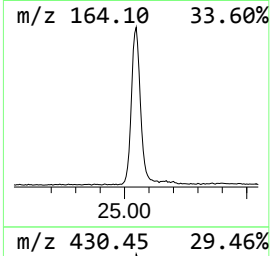
R.T.	EstConc	Area	Relative to ISTD	R.T.
25.047	25.23 ng	2770930	Perylene-d12	23.894

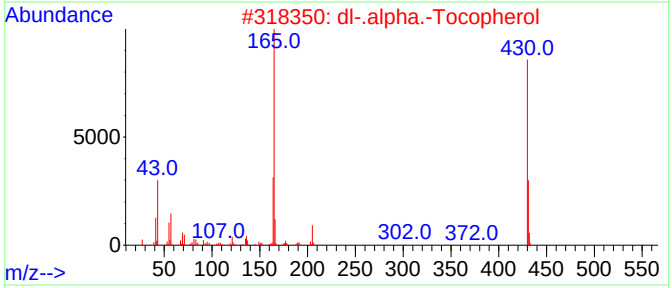
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vitamin E	430	C29H50O2	000059-02-9	99
2	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	97
3	6-Methoxy-2,7,8-trimethyl-2-(4,8...	430	C29H50O2	079306-82-4	97
4	.alpha.-Tocopherol-.beta.-D-mann...	592	C35H60O7	1010156-68-2	90
5	Benzenamine, 3-methoxy-2,4,6-tri...	165	C10H15NO	034874-88-9	47

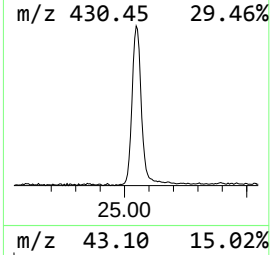


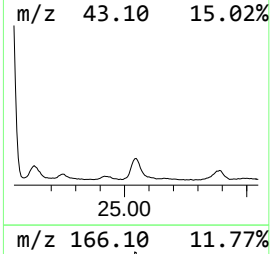


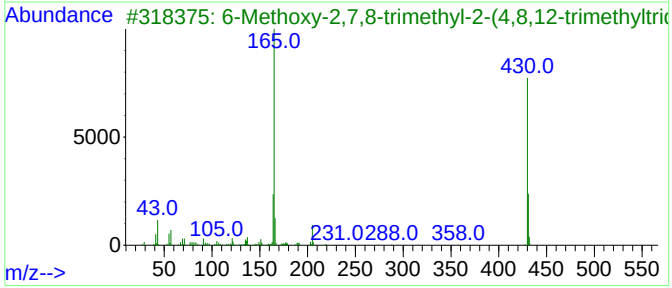


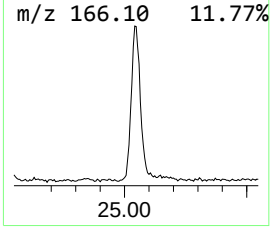












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Data File : BM033783.D
Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.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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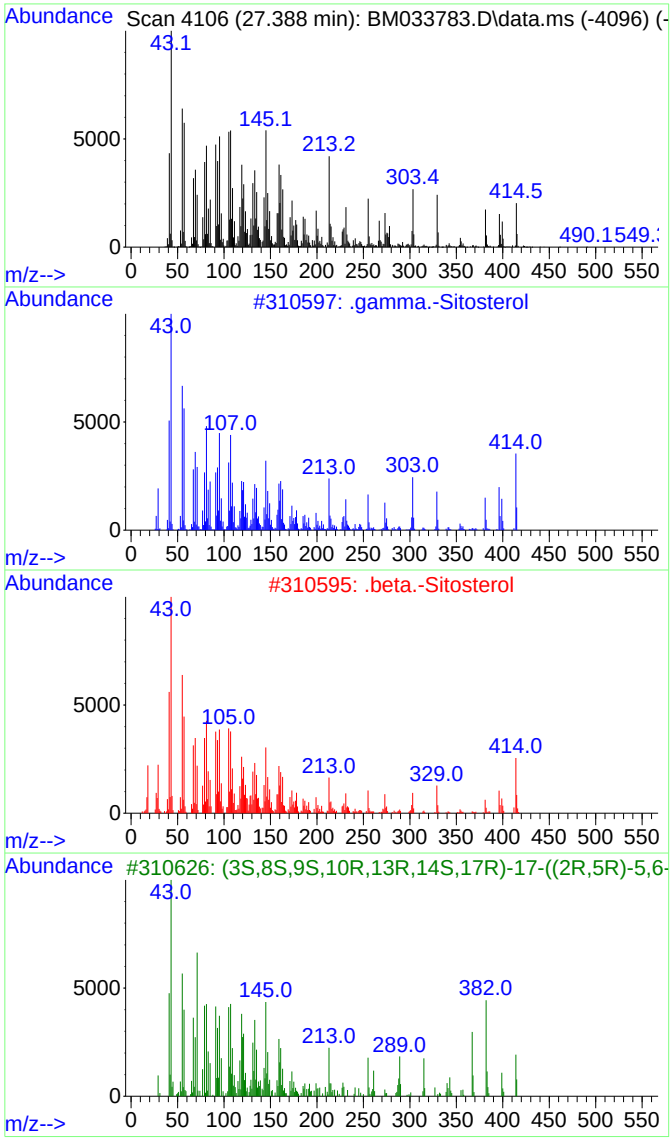
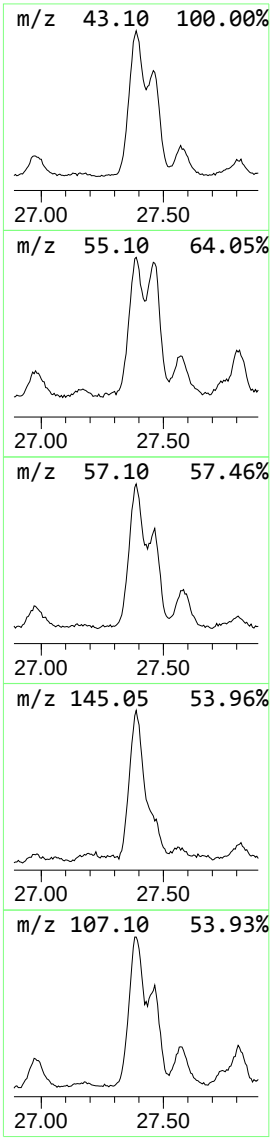
Peak Number 18 .gamma.-Sitosterol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.388	75.18 ng	8256650	Perylene-d12	23.894

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	95
3	(3S,8S,9S,10R,13R,14S,17R)-17-((...	414	C29H50O	029365-29-5	83
4	Campesterol	400	C28H48O	000474-62-4	62
5	5-Cholestene-3-ol, 24-methyl-	400	C28H48O	290299-12-6	53





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Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.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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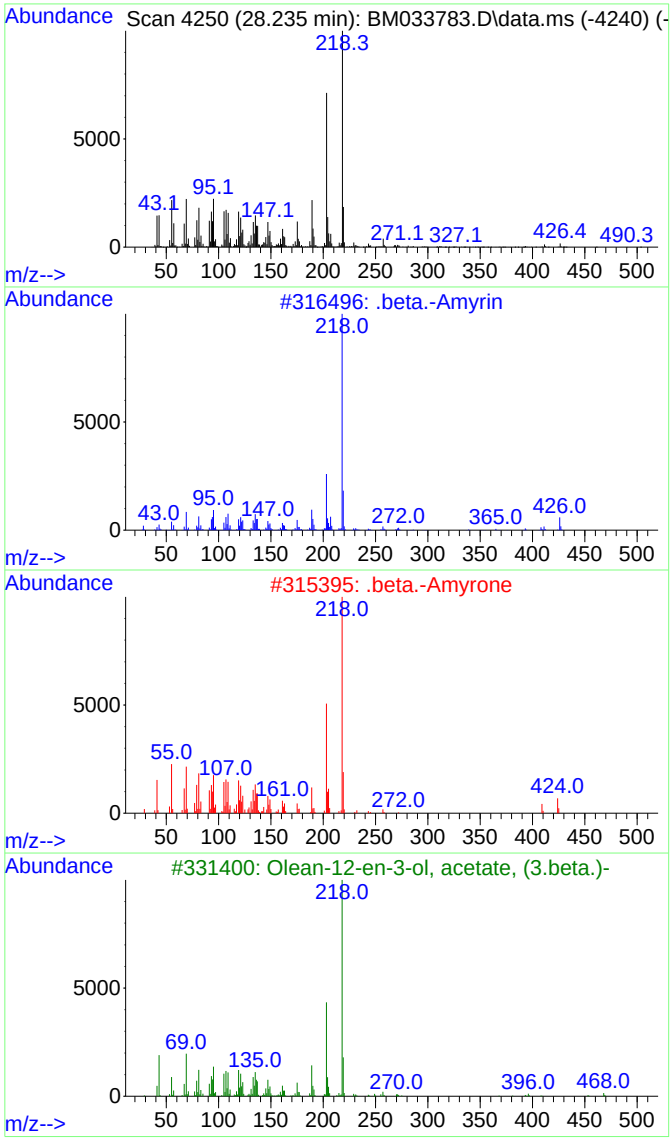
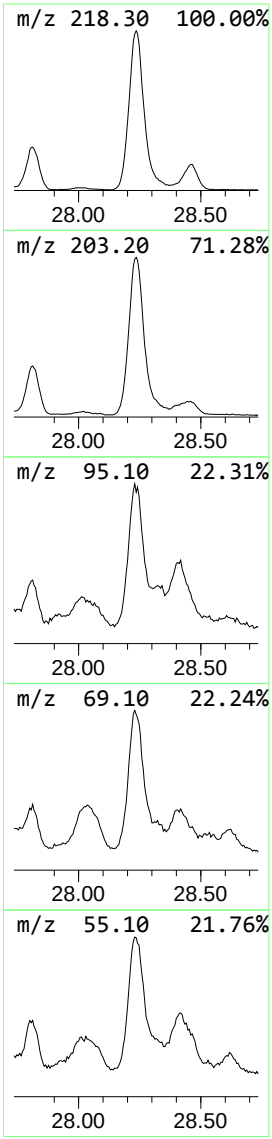
Peak Number 19 .beta.-Amyrin Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.235	69.46 ng	7628150	Perylene-d12	23.894

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Amyrin	426	C30H50O	000559-70-6	97
2	.beta.-Amyrone	424	C30H48O	000638-97-1	87
3	Olean-12-en-3-ol, acetate, (3.be...	468	C32H52O2	001616-93-9	87
4	24-Noroleana-3,12-diene	394	C29H46	201358-24-9	72
5	.beta.-Amyrin, TMS derivative	498	C33H58OSi	001721-67-1	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011922\
Data File : BM033783.D
Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.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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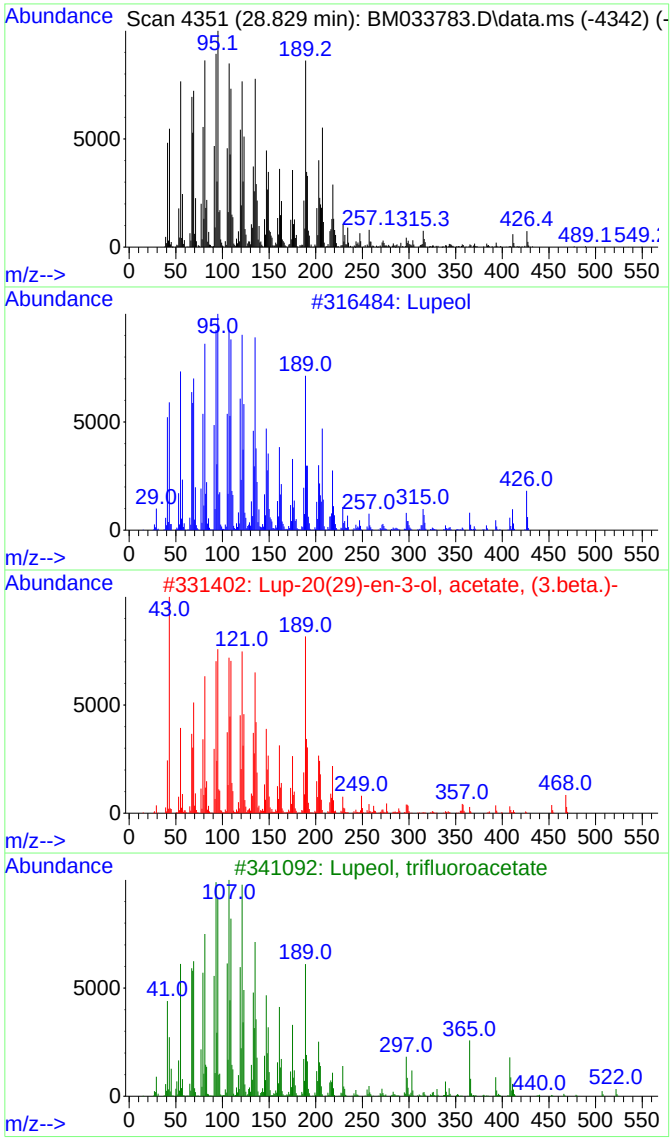
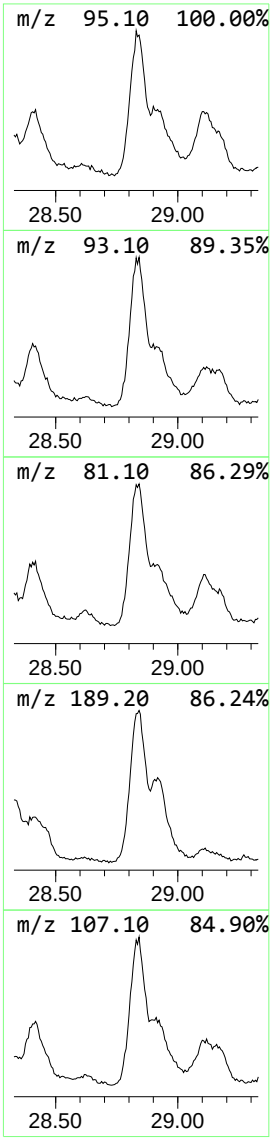
Peak Number 20 Lupeol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.829	58.23 ng	6394680	Perylene-d12	23.894

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lupeol	426	C30H50O	000545-47-1	95
2	Lup-20(29)-en-3-ol, acetate, (3....	468	C32H52O2	001617-68-1	93
3	Lupeol, trifluoroacetate	522	C32H49F3O2	1000394-56-7	91
4	Epilupeol; 20(29)-Lupen-3alpha-o...	426	C30H50O	1000513-01-3	89
5	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	70





Tentatively Identified Compound (LSC) summary

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Data File : BM033783.D
Acq On : 19 Jan 2022 14:30
Operator : CG/JU
Sample : N1152-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011722.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
Dibenzothiophene	17.136	6.0	ng	554479	4	17.324	1861740	20.0
Phenanthrene, 1...	18.201	7.6	ng	711602	4	17.324	1861740	20.0
n-Hexadecanoic ...	18.218	6.9	ng	641515	4	17.324	1861740	20.0
Phenanthrene, 2...	18.242	8.4	ng	780380	4	17.324	1861740	20.0
4H-Cyclopenta[d...	18.395	18.9	ng	1762480	4	17.324	1861740	20.0
17-Norkaur-15-e...	18.536	4.6	ng	424764	4	17.324	1861740	20.0
Naphthalene, 2-...	18.695	5.7	ng	526378	4	17.324	1861740	20.0
11H-Benzo[b]flu...	20.224	4.7	ng	2520980	5	21.489	10731600	20.0
unknown21.206	21.206	4.1	ng	2198250	5	21.489	10731600	20.0
Hexadecane	22.106	6.5	ng	3460490	5	21.489	10731600	20.0
unknown22.747	22.747	10.6	ng	1166020	6	23.894	2196490	20.0
Benzo[e]pyrene	23.689	43.8	ng	4804400	6	23.894	2196490	20.0
.gamma.-Tocopherol	24.400	12.6	ng	1386390	6	23.894	2196490	20.0
Tetracosane	24.535	89.9	ng	9869340	6	23.894	2196490	20.0
Vitamin E	25.047	25.2	ng	2770930	6	23.894	2196490	20.0
.gamma.-Sitosterol	27.388	75.2	ng	8256650	6	23.894	2196490	20.0
.beta.-Amyrin	28.235	69.5	ng	7628150	6	23.894	2196490	20.0
Lupeol	28.829	58.2	ng	6394680	6	23.894	2196490	20.0