LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049968.D
Acq On : 18 Apr 2025 16:27
Operator : RC/JU
Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

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-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049968.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.293	217	222	227	rBV	124388	174856	1.54%	0.092%
2	4.887	316	323	333	rBV	962623	1329592	11.73%	0.697%
3	5.357	396	403	425	rBV	4873112	7104773	62.71%	3.724%
4	5.963	501	506	513	rVB	147424	214873	1.90%	0.113%
5	6.951	664	674	688	rBV	4582423	7457606	65.82%	3.909%
6	7.428	744	755	765	rBV3	64093	177454	1.57%	0.093%
7	7.769	805	813	821	rBV	1954792	3063592	27.04%	1.606%
8	8.075	859	865	872	rVB	478764	736370	6.50%	0.386%
9	8.922	995	1009	1019	rBV	2823322	4790153	42.28%	2.511%
10	10.557	1279	1287	1293	rBV	2226478	3761979	33.20%	1.972%
11	10.610	1293	1296	1302	rVB	198016	306217	2.70%	0.161%
12	12.227	1566	1571	1578	rVB	199629	322727	2.85%	0.169%
13	12.445	1602	1608	1618	rVB	201787	335973	2.97%	0.176%
14	13.027	1700	1707	1718	rBV	7830379	11330207	100.00%	5.939%
15	13.733	1821	1827	1832	rBV	321007	552320	4.87%	0.290%
16	13.786	1832	1836	1841	rVB	142471	194329	1.72%	0.102%
17	13.863	1846	1849	1853	rVV	176611	268368	2.37%	0.141%
18	13.969	1860	1867	1870	rBV	147895	249554	2.20%	0.131%
19	14.133	1888	1895	1910	rBV	992134	1736440	15.33%	0.910%
20	14.251	1910	1915	1921	rBV7	83727	196304	1.73%	0.103%
21	14.410	1933	1942	1948	rVV	3156204	4599595	40.60%	2.411%
22	14.474	1948	1953	1961	rVB	282243	493047	4.35%	0.258%
23	14.663	1981	1985	1989	rVV2	151366	236177	2.08%	0.124%
24	14.733	1989	1997	2003	rVV3	130356	290551	2.56%	0.152%
25	14.810	2003	2010	2018	rVV	258696	483285	4.27%	0.253%
26	14.886	2018	2023	2028	rVB	234641	348807	3.08%	0.183%
27	15.027	2040	2047	2052	rBV3	225503	515269	4.55%	0.270%
28	15.080	2053	2056	2060	rVB	144705	178567	1.58%	0.094%
29	15.204	2069	2077	2079	rBV3	148516	331773	2.93%	0.174%
30	15.233	2079	2082	2085	rVV	145333	191689	1.69%	0.100%
31	15.280	2085	2090	2097	rVB2	233366	383546	3.39%	0.201%
32	15.404	2108	2111	2115	rVB	145112	173605	1.53%	0.091%
33	15.457	2115	2120	2132	rVB2	409279	803752	7.09%	0.421%
34	15.674	2152	2157	2165	rVB3	167068	306589	2.71%	0.161%
35	15.768	2165	2173	2182	rBV	1968265	2883246	25.45%	1.511%
36	15.904	2190	2196	2204	rVB	5124525	7315685	64.57%	3.835%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049968.D
Acq On : 18 Apr 2025 16:27
Operator : RC/JU
Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

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-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.133	2230	2235	2245	rVB3	561577	955016	8.43%	0.501%
38	16.274	2254	2259	2262	rBV	116834	204562	1.81%	0.107%
39	16.333	2263	2269	2275	rVB2	261639	531887	4.69%	0.279%
40	16.462	2284	2291	2295	rBV2	229418	491323	4.34%	0.258%
41	16.510	2296	2299	2305	rVB2	221259	321235	2.84%	0.168%
42	16.610	2313	2316	2322	rVB2	168756	246231	2.17%	0.129%
43	16.810	2347	2350	2358	rVB3	223322	390046	3.44%	0.204%
44	16.974	2374	2378	2386	rVB	288327	483312	4.27%	0.253%
45	17.157	2403	2409	2412	rBV	3029188	4083382	36.04%	2.140%
46	17.198	2412	2416	2422	rVB	3319512	4407677	38.90%	2.310%
47	17.286	2427	2431	2436	rVB	874962	1178253	10.40%	0.618%
48	17.351	2436	2442	2447	rBV2	322607	677197	5.98%	0.355%
49	17.562	2475	2478	2483	rBV2	149320	222410	1.96%	0.117%
50	17.733	2504	2507	2517	rVB2	278143	425642	3.76%	0.223%
51	17.827	2519	2523	2528	rVB	1499951	1825470	16.11%	0.957%
52	17.880	2528	2532	2535	rBV	121118	197464	1.74%	0.104%
53	18.033	2553	2558	2560	rBV	1476895	2111313	18.63%	1.107%
54	18.056	2560	2562	2564	rVV2	1564348	2012123	17.76%	1.055%
55	18.080	2564	2566	2570	rVB	1755536	1950945	17.22%	1.023%
56	18.162	2576	2580	2585	rBV	375984	584696	5.16%	0.306%
57	18.221	2585	2590	2594	rVV2	1627792	2952511	26.06%	1.548%
58	18.262	2594	2597	2603	rVB	1075087	1456827	12.86%	0.764%
59	18.351	2608	2612	2615	rBV5	168682	251165	2.22%	0.132%
60	18.427	2621	2625	2629	rVB4	178528	254896	2.25%	0.134%
61	18.533	2639	2643	2646	rVB2	420738	566619	5.00%	0.297%
62	18.574	2646	2650	2658	rVB2	388851	647608	5.72%	0.339%
63	18.780	2682	2685	2689	rVV	508924	657827	5.81%	0.345%
64	18.833	2690	2694	2697	rVV	717394	952570	8.41%	0.499%
65	18.868	2697	2700	2704	rVB	462793	571974	5.05%	0.300%
66	18.951	2709	2714	2719	rBV	1697761	2735363	24.14%	1.434%
67	19.003	2719	2723	2727	rVV2	4450867	5670958	50.05%	2.972%
68	19.039	2727	2729	2733	rVB2	811671	972219	8.58%	0.510%
69	19.092	2734	2738	2743	rBV3	644562	1220959	10.78%	0.640%
70	19.139	2743	2746	2751	rVB2	1030449	1226038	10.82%	0.643%
71	19.215	2754	2759	2766	rBV	7420432	9354161	82.56%	4.903%
72	19.315	2773	2776	2777	rBV	286031	306653	2.71%	0.161%
73	19.362	2782	2784	2788	rVB	519923	600903	5.30%	0.315%
74	19.456	2797	2800	2803	rBV2	284199	405718	3.58%	0.213%
75	19.580	2812	2821	2829	rVB	6661582	10518063	92.83%	5.513%
76	19.656	2829	2834	2838	rBV2	796891	1155745	10.20%	0.606%

LSC Area Percent Report

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Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.703	2838	2842	2844	rBV4	268973	381097	3.36%	0.200%
78	19.739	2844	2848	2851	rBV4	409468	660587	5.83%	0.346%
79	19.780	2851	2855	2859	rVB	9900280	10934128	96.50%	5.731%
80	19.909	2871	2877	2887	rBV4	828930	2158467	19.05%	1.131%
81	20.039	2894	2899	2900	rBV2	684969	874821	7.72%	0.459%
82	20.074	2901	2905	2912	rVB	1490165	2363370	20.86%	1.239%
83	20.174	2918	2922	2925	rBV	818799	944217	8.33%	0.495%
84	20.233	2928	2932	2936	rVB	1436017	1796437	15.86%	0.942%
85	20.374	2952	2956	2959	rBV	1049724	1403498	12.39%	0.736%
86	20.415	2960	2963	2967	rVV	1133584	1448751	12.79%	0.759%
87	20.450	2967	2969	2976	rVB2	360709	493511	4.36%	0.259%
88	20.974	3055	3058	3059	rBV	366055	413247	3.65%	0.217%
89	21.039	3066	3069	3071	rVB	393709	395929	3.49%	0.208%
90	21.074	3071	3075	3081	rBV3	1145481	1929187	17.03%	1.011%
91	21.386	3122	3128	3133	rBV2	4028057	9396540	82.93%	4.925%
92	21.439	3133	3137	3148	rVB	3045297	4978639	43.94%	2.610%
93	21.586	3158	3162	3168	rBV2	478145	866976	7.65%	0.454%
94	22.080	3244	3246	3251	rVB	972061	1270801	11.22%	0.666%
95	22.150	3254	3258	3262	rBV2	835111	1490354	13.15%	0.781%
96	22.339	3286	3290	3293	rBV	463526	654075	5.77%	0.343%
97	23.450	3473	3479	3486	rBV	1761597	4885888	43.12%	2.561%
98	24.115	3587	3592	3605	rVB	1313896	3064225	27.04%	1.606%
99	24.256	3609	3616	3629	rVB	1807909	4555448	40.21%	2.388%
100	24.397	3633	3640	3647	rVV	1621973	3805678	33.59%	1.995%

Sum of corrected areas: 190783702

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
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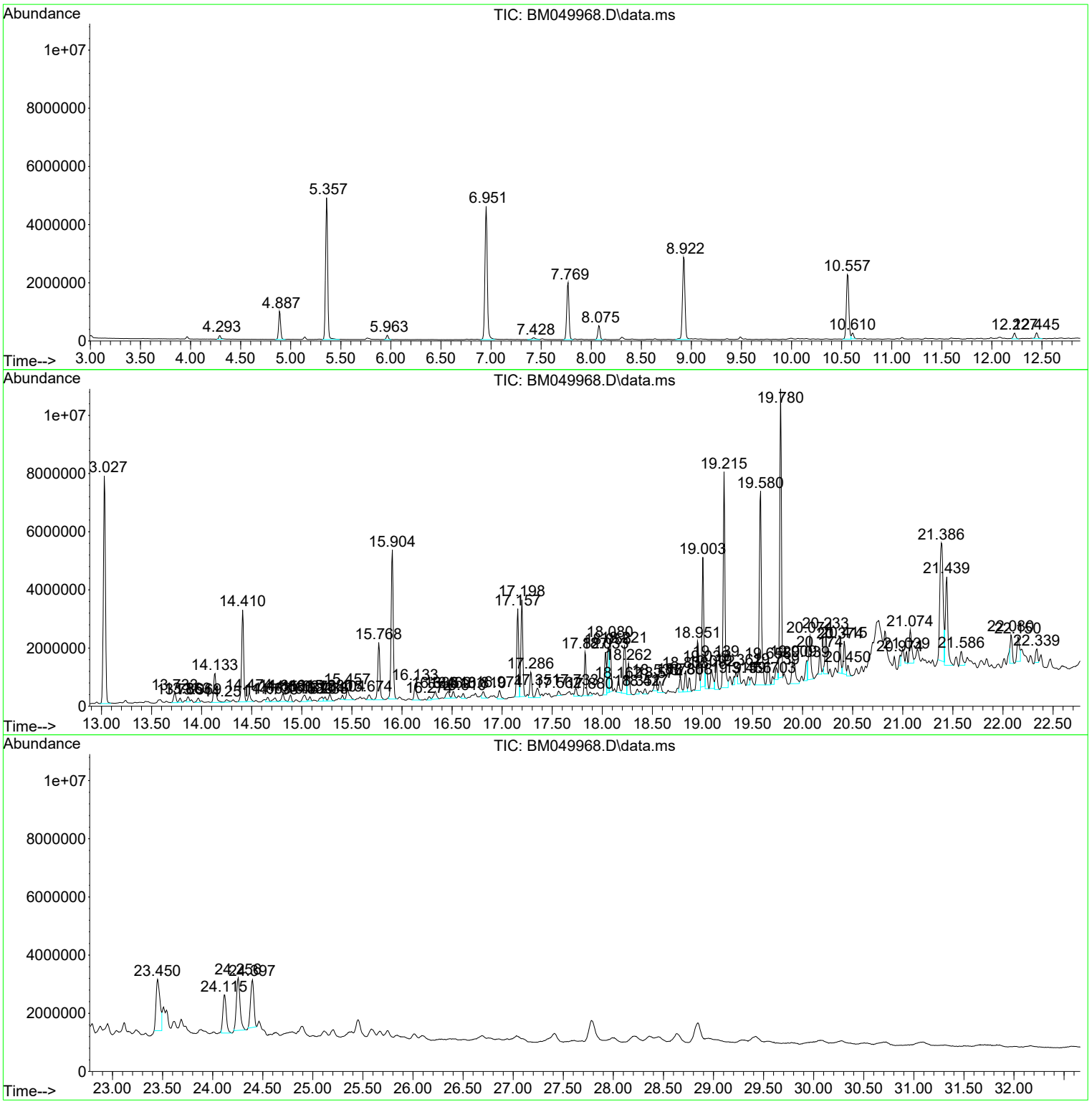
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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\BM041825\
Data File : BM049968.D
Acq On : 18 Apr 2025 16:27
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Instrument :
BNA_M
ClientSampleId :
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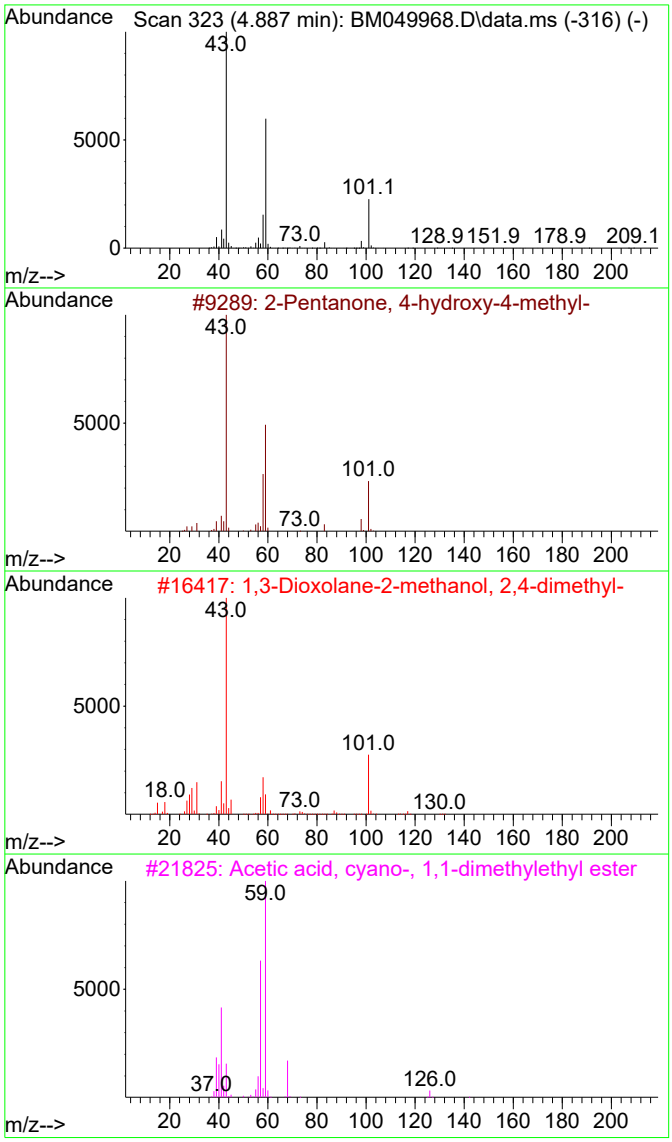
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

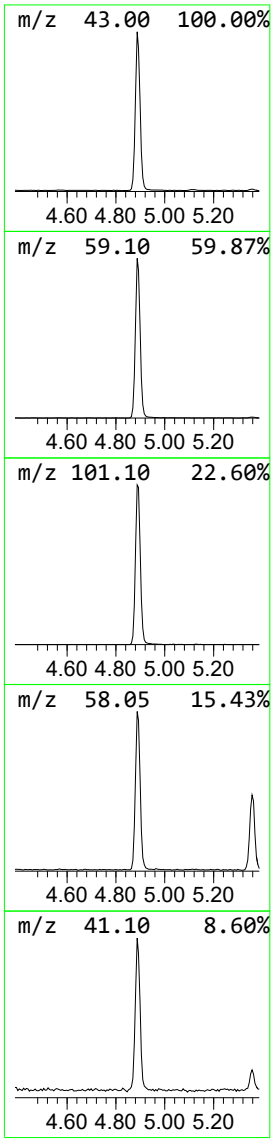
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.887	8.68 ng	1329590	1,4-Dichlorobenzene-d4	7.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	47
2	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049968.D
Acq On : 18 Apr 2025 16:27
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Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

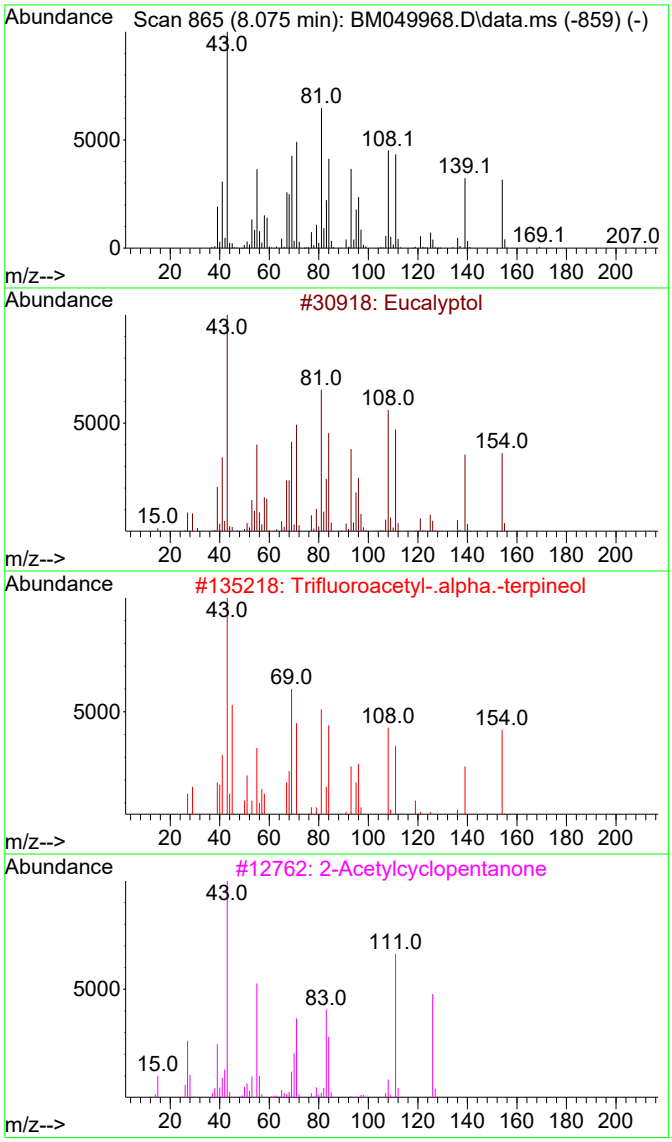
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

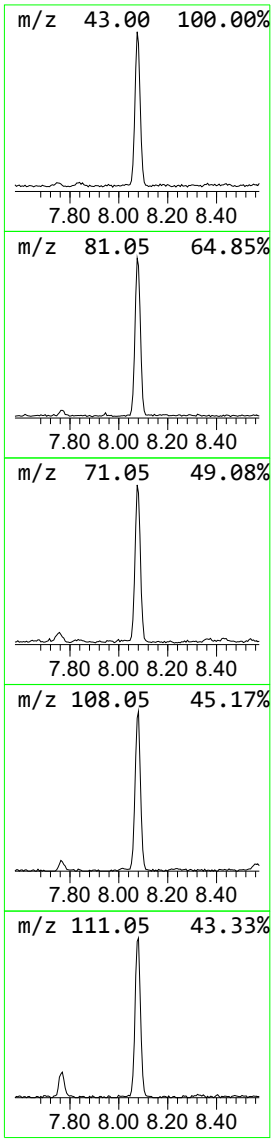
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Eucalyptol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.075	4.81 ng	736370	1,4-Dichlorobenzene-d4	7.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	99
2	Trifluoroacetyl-.alpha.-terpineol	250	C12H17F3O2	1000058-17-6	47
3	2-Acetylcyclopentanone	126	C7H10O2	001670-46-8	35
4	4-Isopropyl-1-methylcyclohex-2-enol	154	C10H18O	000619-62-5	32
5	2-Isopropyl-5-methylhex-2-enal	154	C10H18O	035158-25-9	27





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ALS Vial : 10 Sample Multiplier: 1

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BNA_M
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

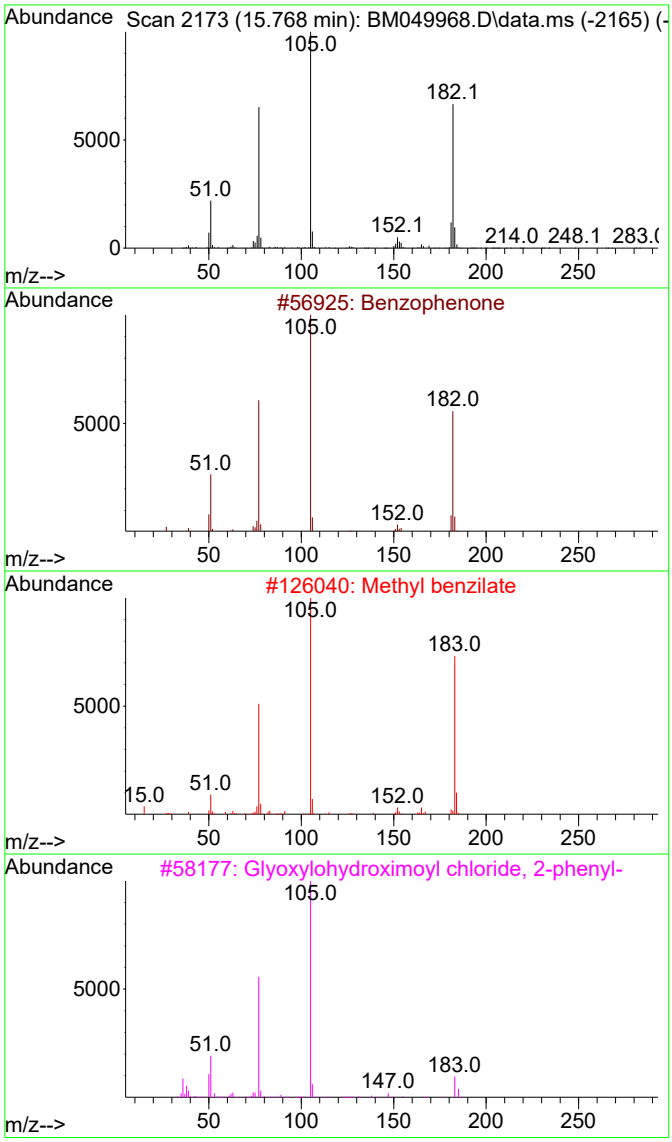
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

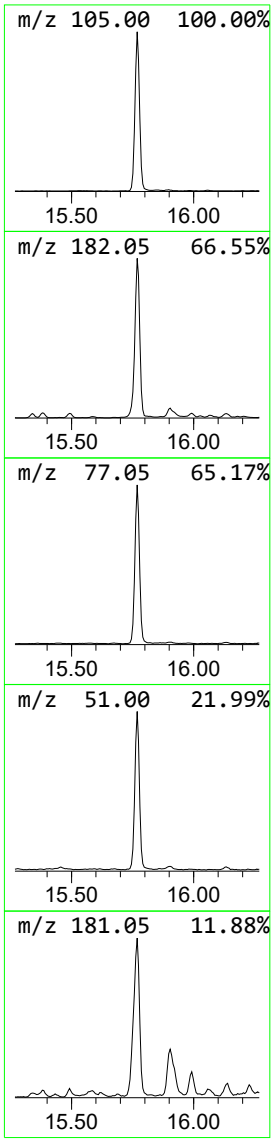
****

Peak Number 3 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.768	12.54 ng	2883250	Acenaphthene-d10	14.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Methyl benzilate	242	C15H14O3	000076-89-1	47
3	Glyoxylohydroximoyl chloride, 2-...	183	C8H6ClNO2	004937-87-5	47
4	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	47
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049968.D
Acq On : 18 Apr 2025 16:27
Operator : RC/JU
Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

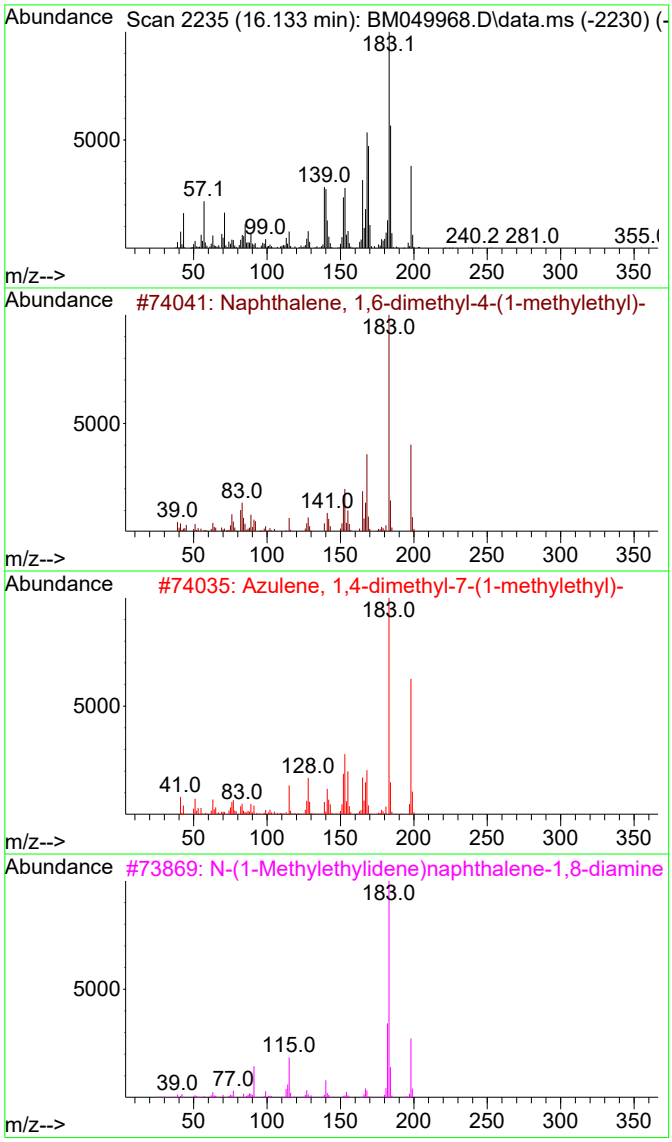
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

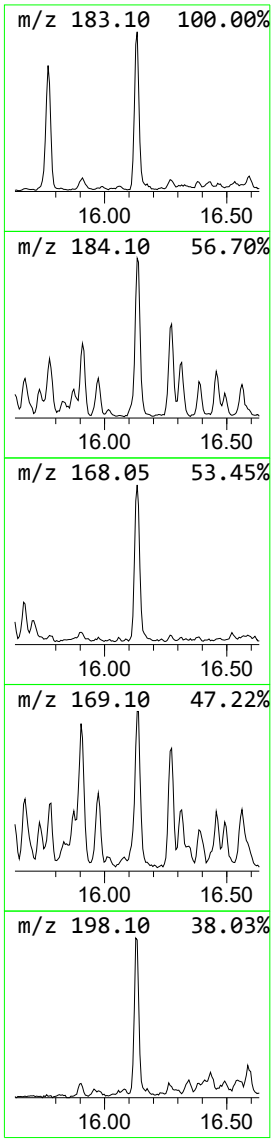
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 1,6-dimethyl-4... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.133	4.68 ng	955016	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-4-(1-m...	198	C15H18	000483-78-3	86
2	Azulene, 1,4-dimethyl-7-(1-methy...	198	C15H18	000489-84-9	78
3	N-(1-Methylethylidene)naphthalen...	198	C13H14N2	1000364-25-0	22
4	Benzenamine, N-methyl-N-phenyl-	183	C13H13N	000552-82-9	18
5	Phenoxazine	183	C12H9NO	000135-67-1	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049968.D
Acq On : 18 Apr 2025 16:27
Operator : RC/JU
Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

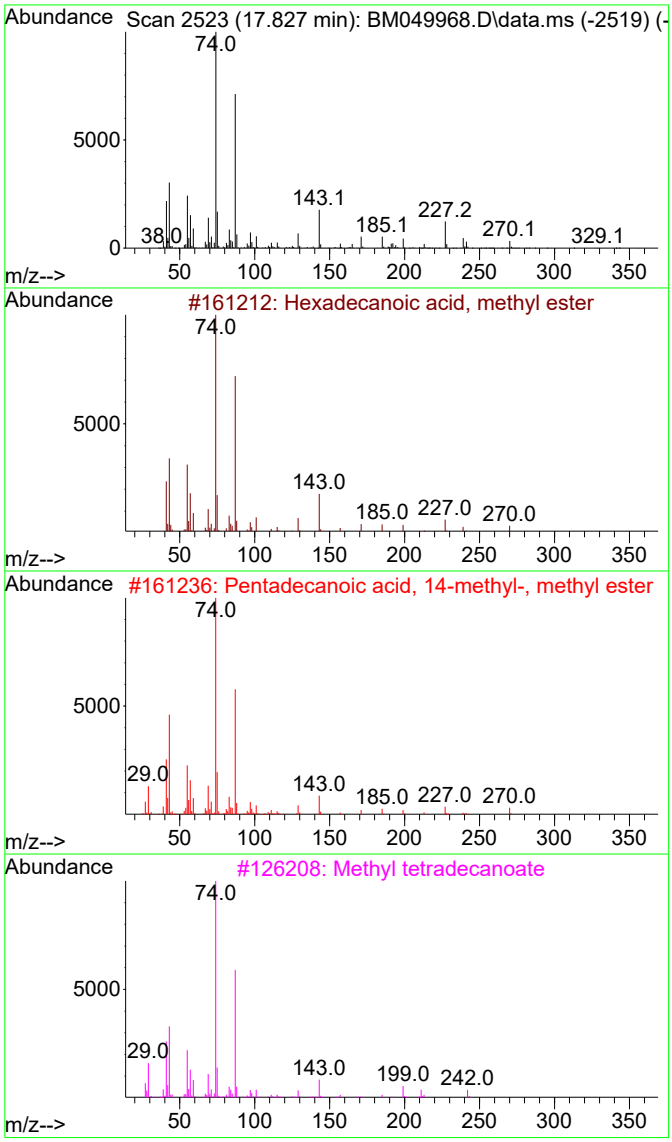
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

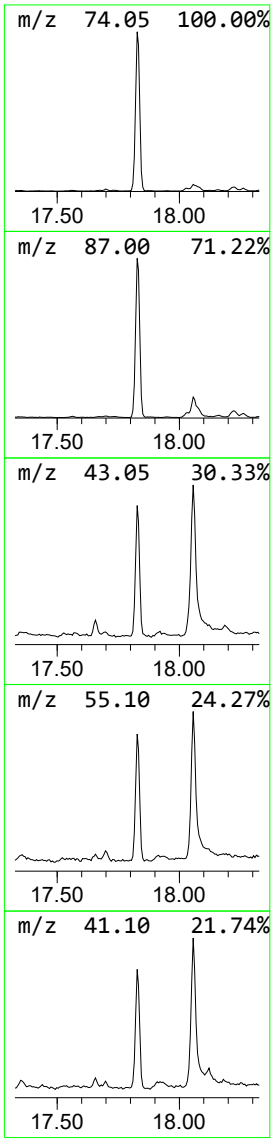
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.827	8.94 ng	1825470	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	93
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	81
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80





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Acq On : 18 Apr 2025 16:27
Operator : RC/JU
Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

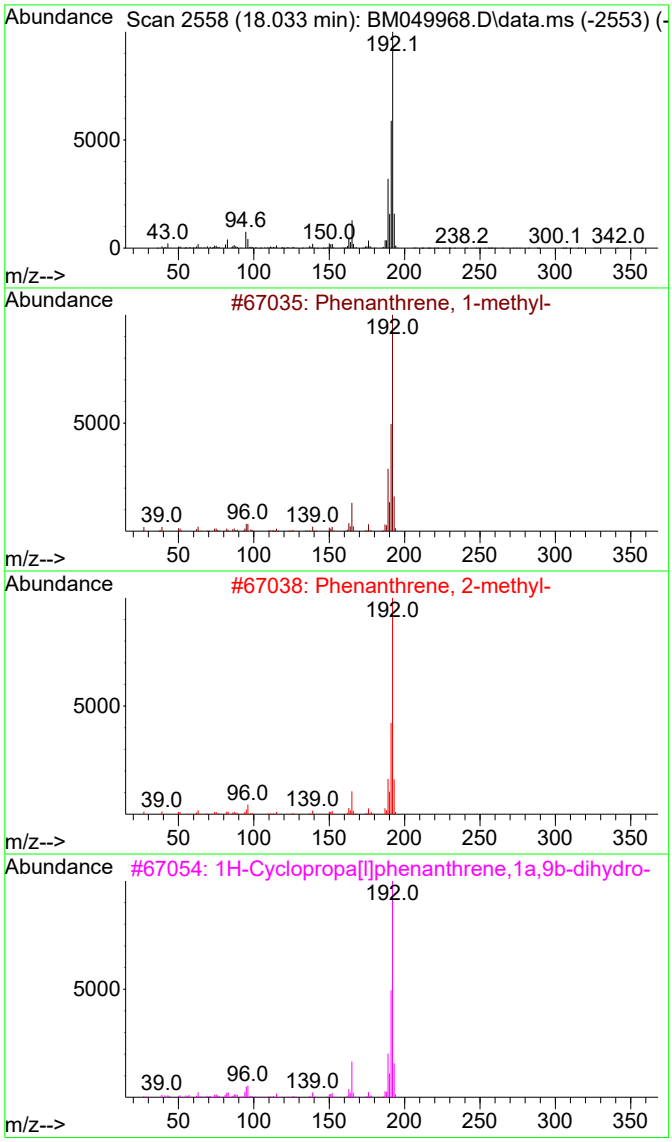
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

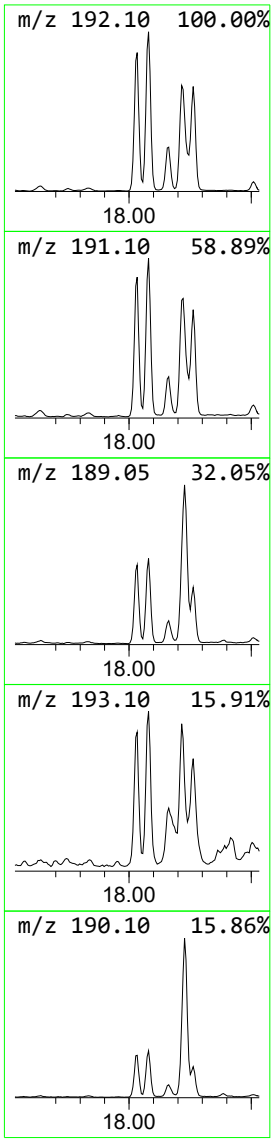
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.033	10.34 ng	2111310	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

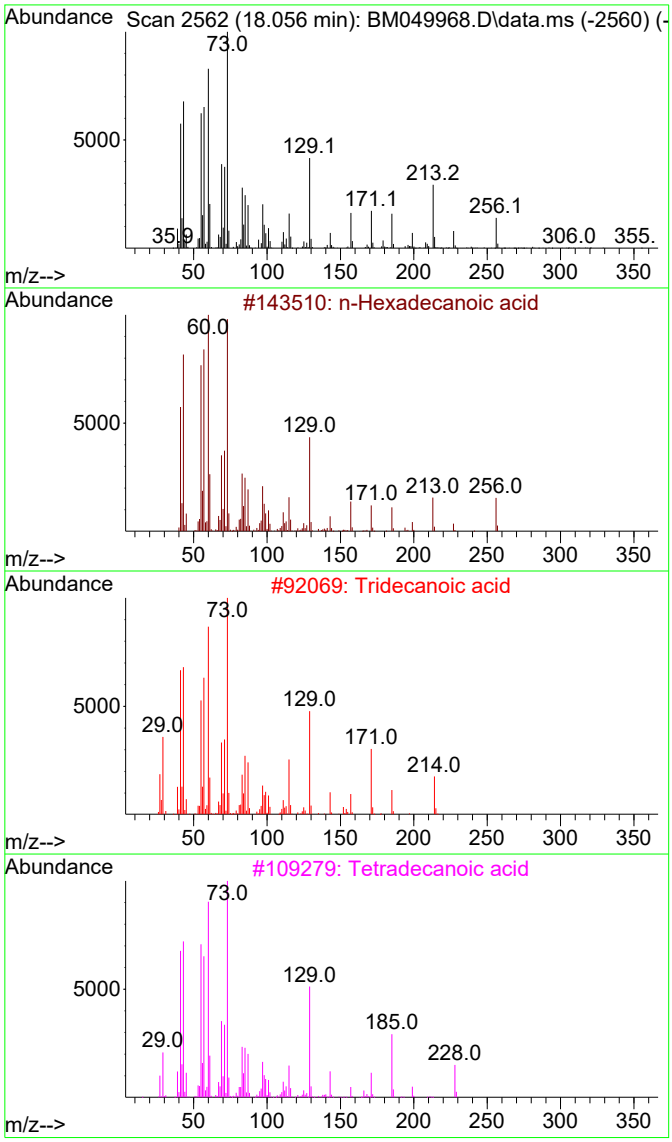
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

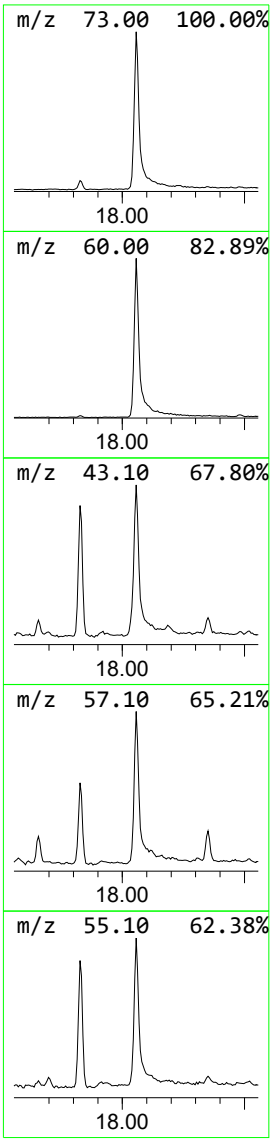
****

Peak Number 7 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.057	9.86 ng	2012120	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	Octadecanoic acid	284	C18H36O2	000057-11-4	81





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

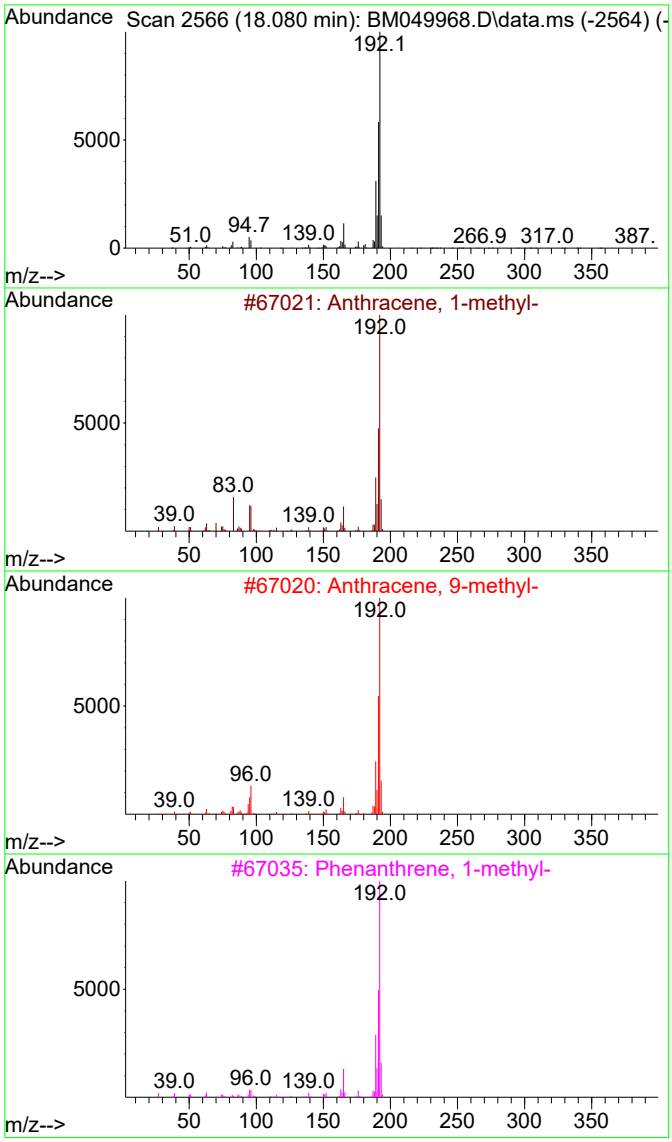
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

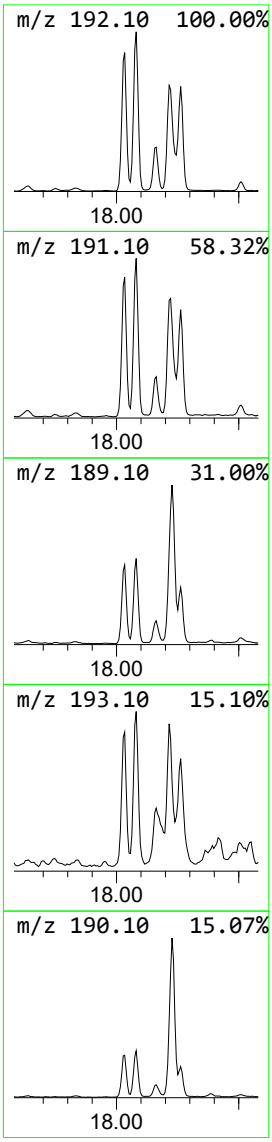
****

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.080	9.56 ng	1950950	Phenanthrene-d10	17.157

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, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Operator : RC/JU
Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

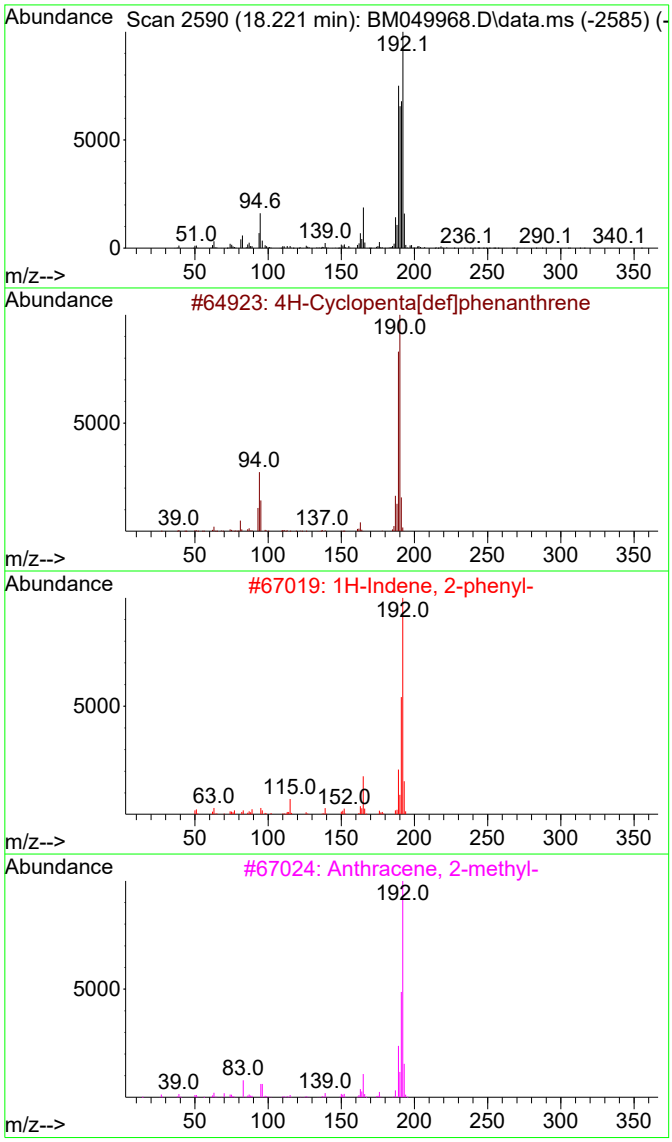
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

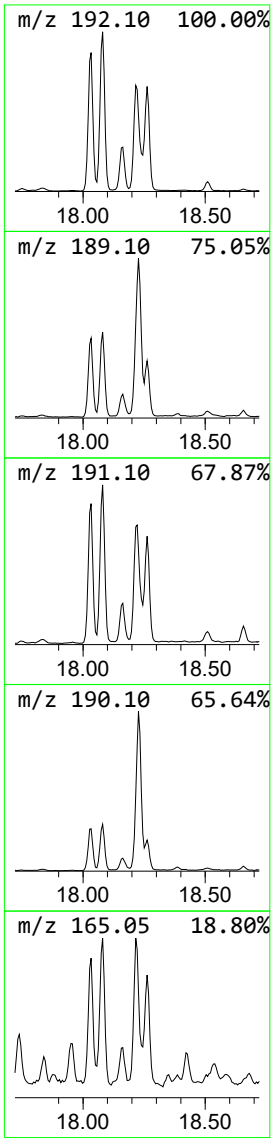
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.221	14.46 ng	2952510	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	50
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50





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Acq On : 18 Apr 2025 16:27
Operator : RC/JU
Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

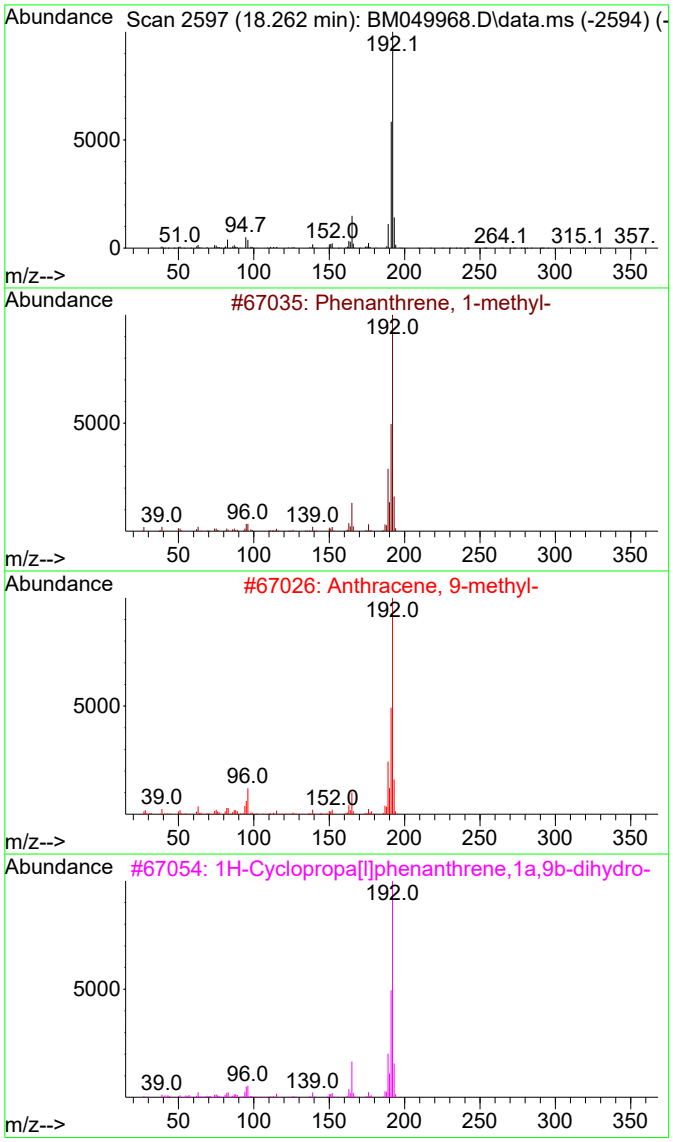
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

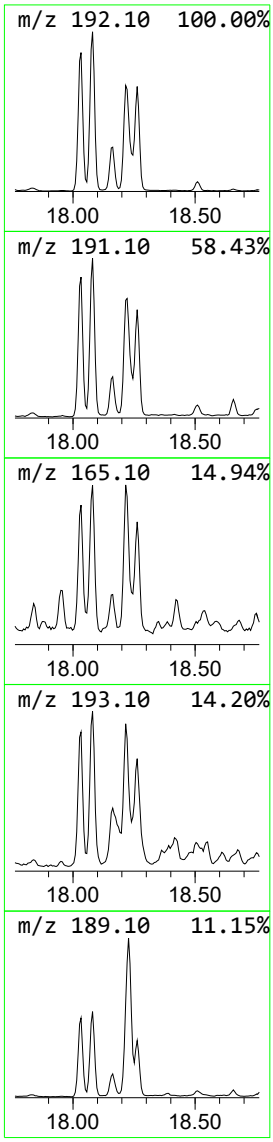
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.262	7.14 ng	1456830	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Acq On : 18 Apr 2025 16:27
Operator : RC/JU
Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

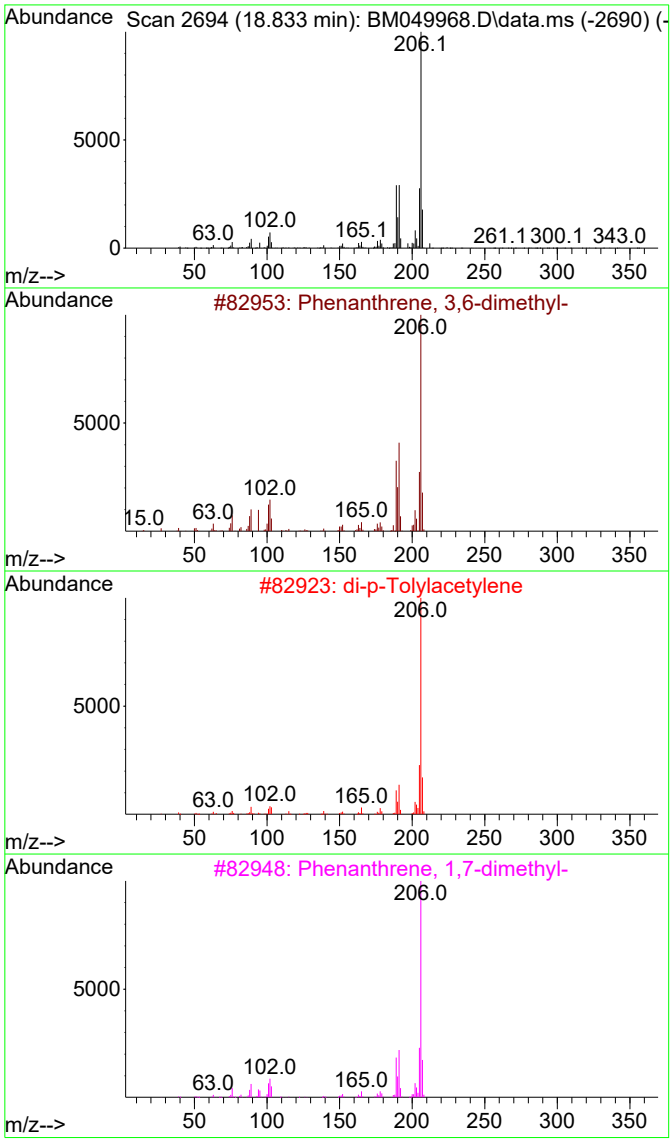
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

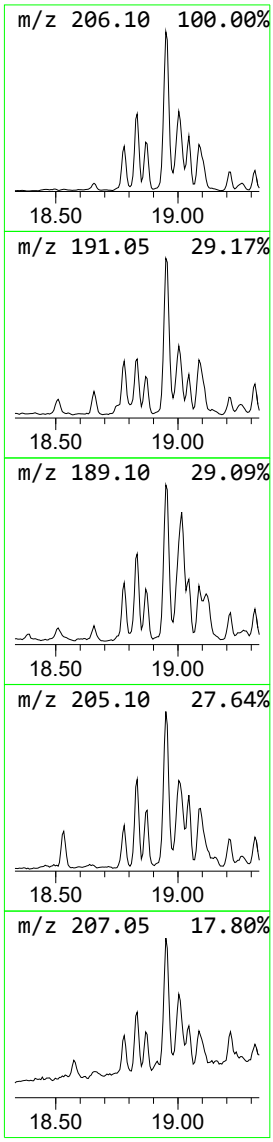
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.833	4.67 ng	952570	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





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Acq On : 18 Apr 2025 16:27
Operator : RC/JU
Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

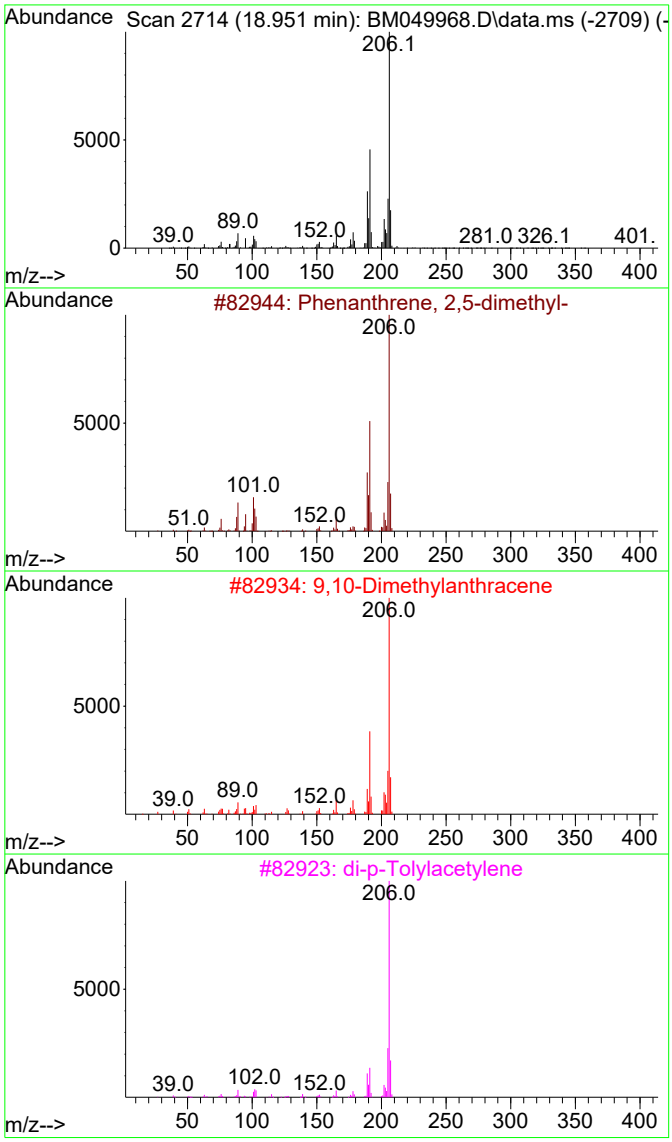
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

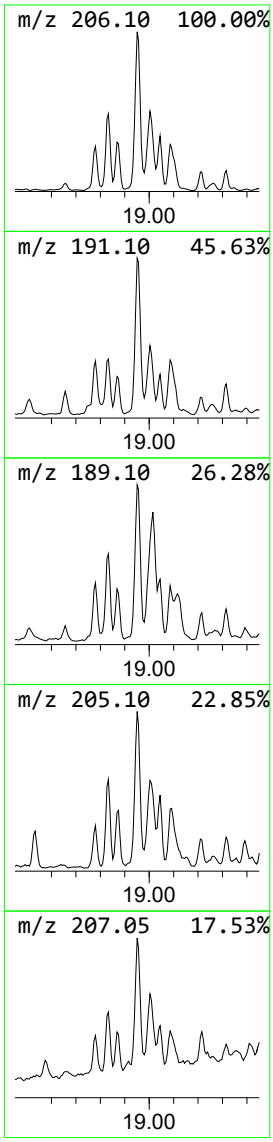
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.951	13.40 ng	2735360	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90





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Acq On : 18 Apr 2025 16:27
Operator : RC/JU
Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

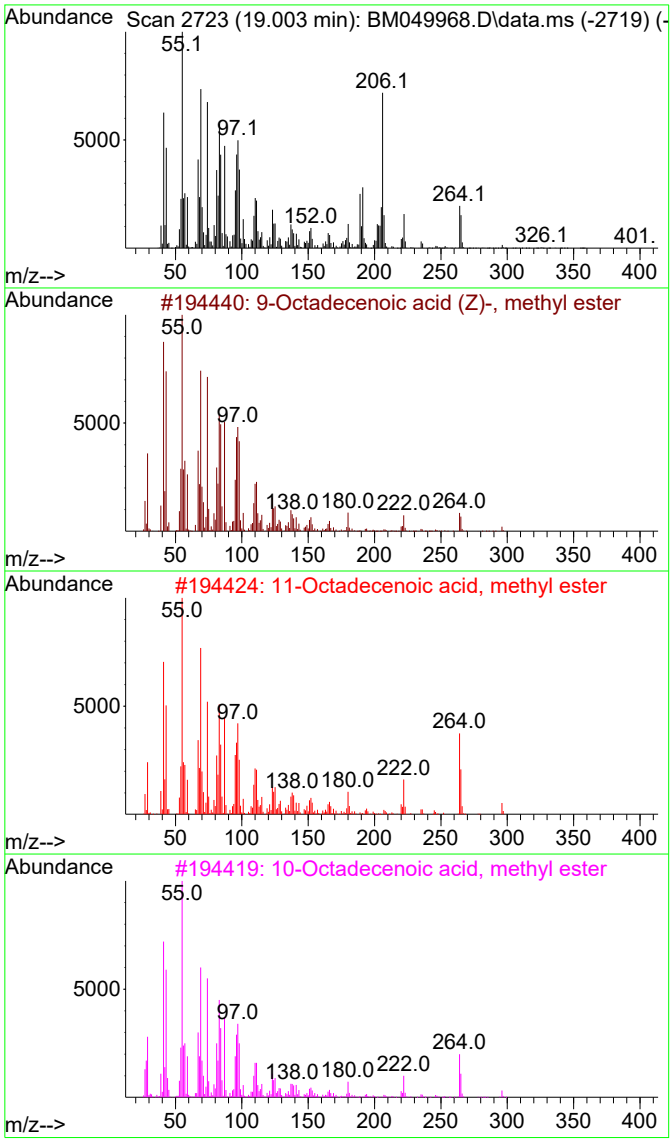
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

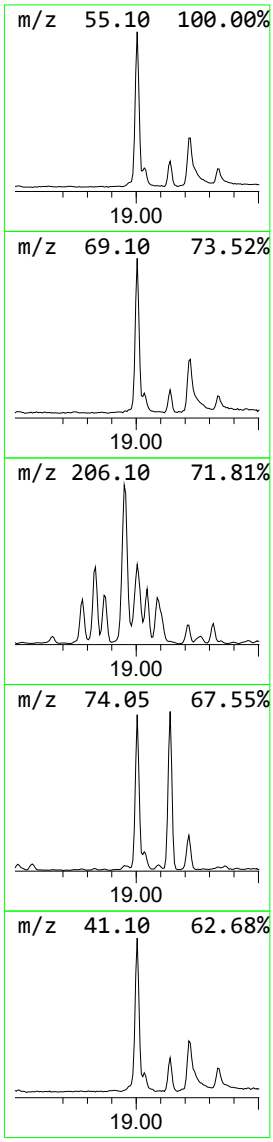
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.003	27.78 ng	5670960	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	98
2	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	98
3	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	97
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	97
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	97





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Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

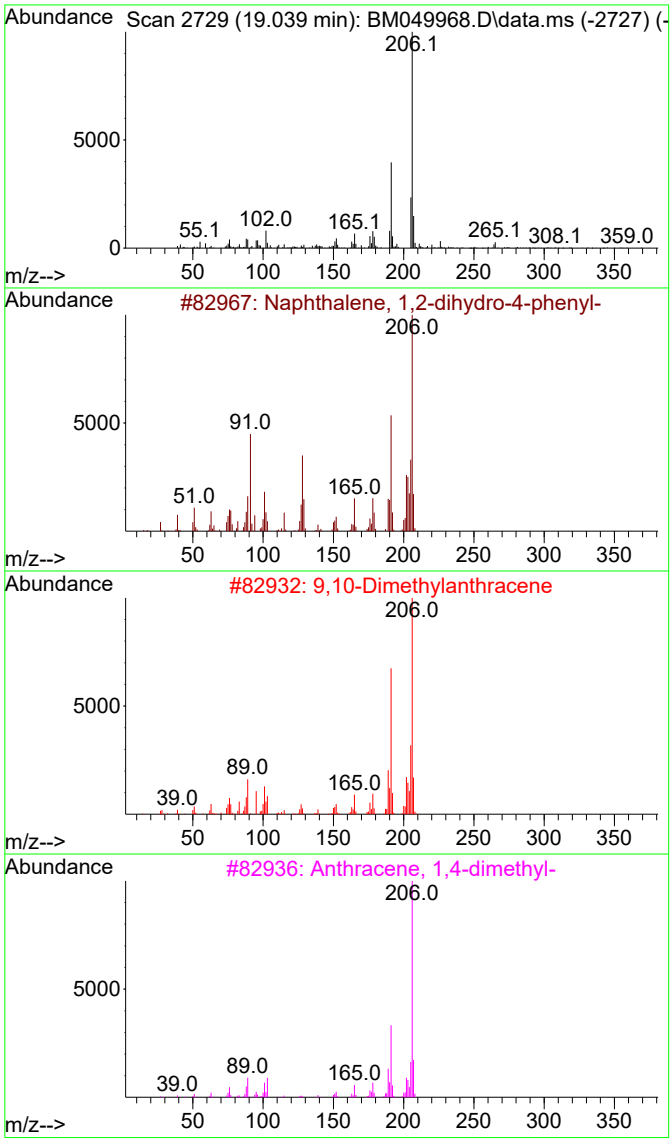
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

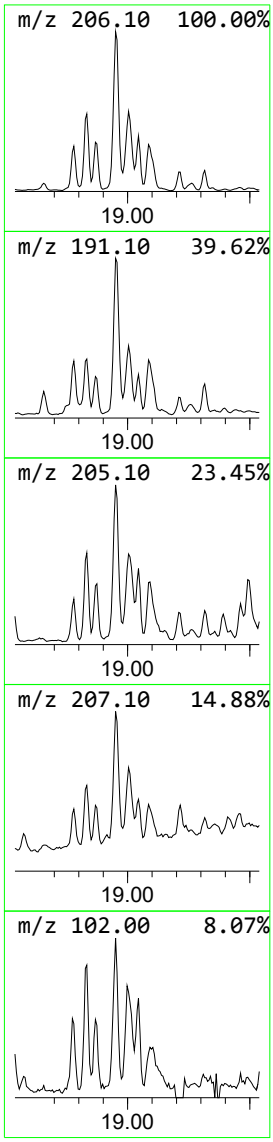
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Naphthalene, 1,2-dihydro-4-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.039	4.76 ng	972219	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	81
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	78





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

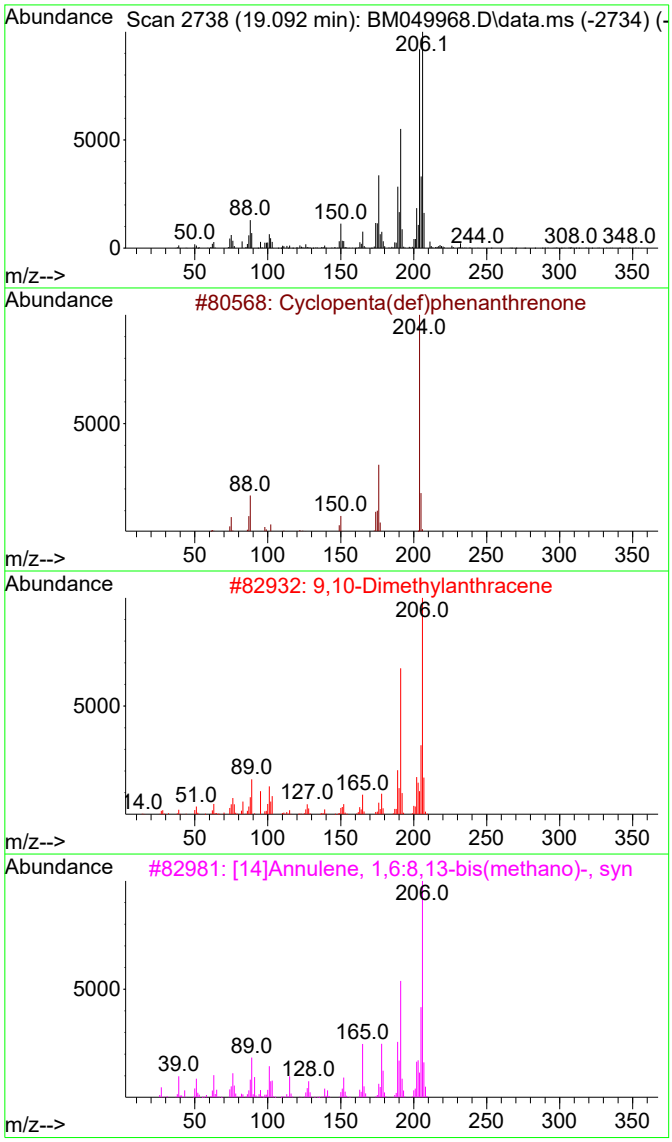
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

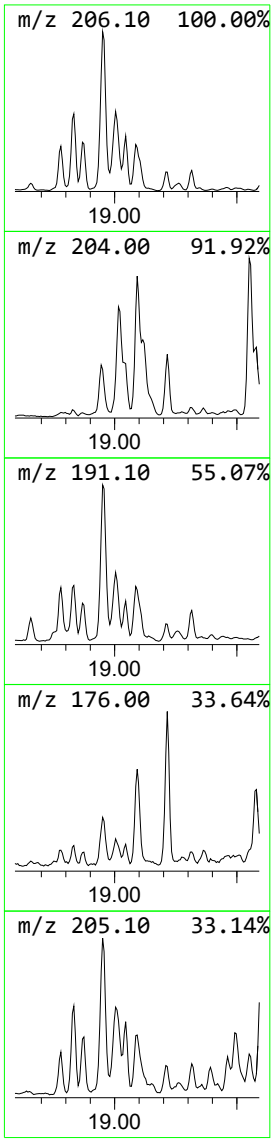
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.092	5.98 ng	1220960	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	60
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	55





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Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

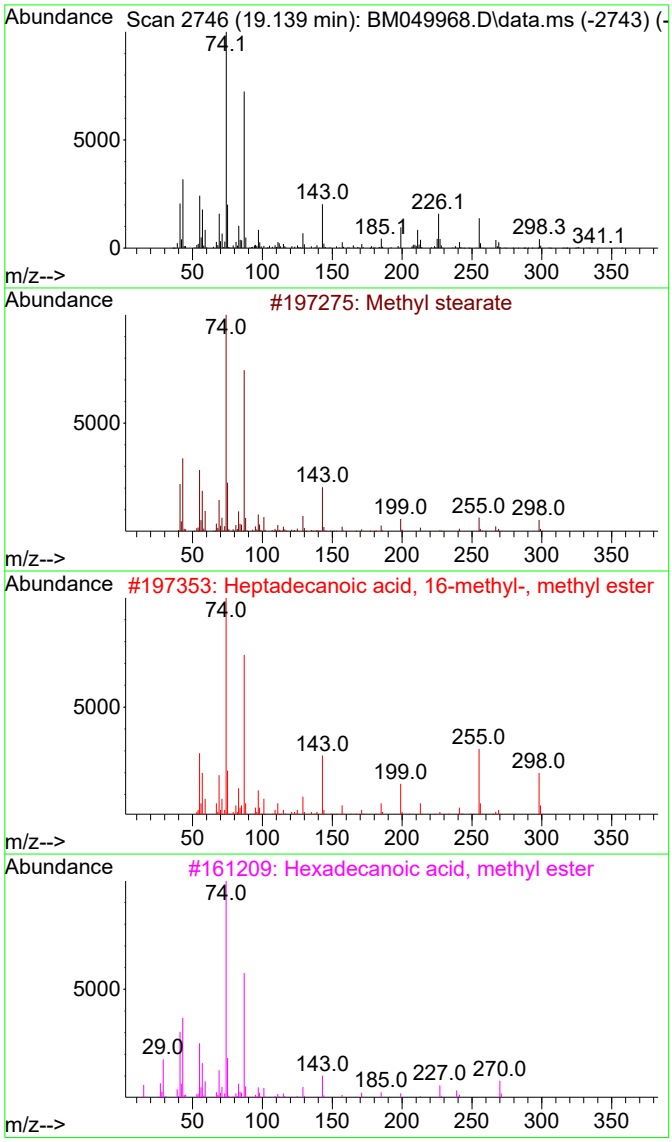
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

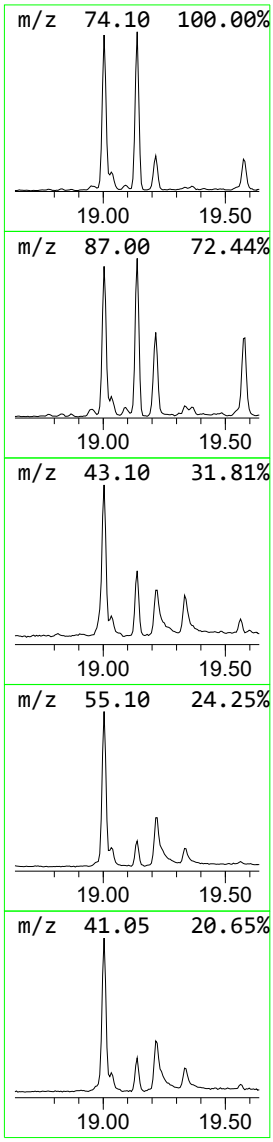
****

Peak Number 16 Methyl stearate Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.139	6.01 ng	1226040	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	94
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	86
3	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	76
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	74
5	Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	74





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Acq On : 18 Apr 2025 16:27
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Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

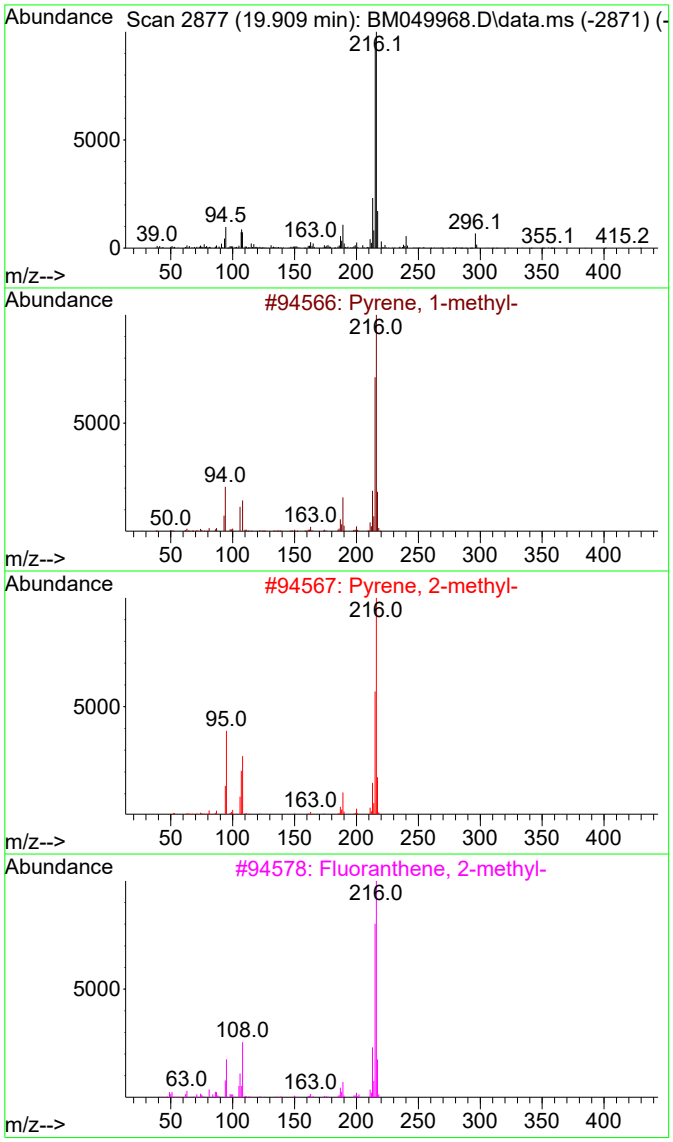
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

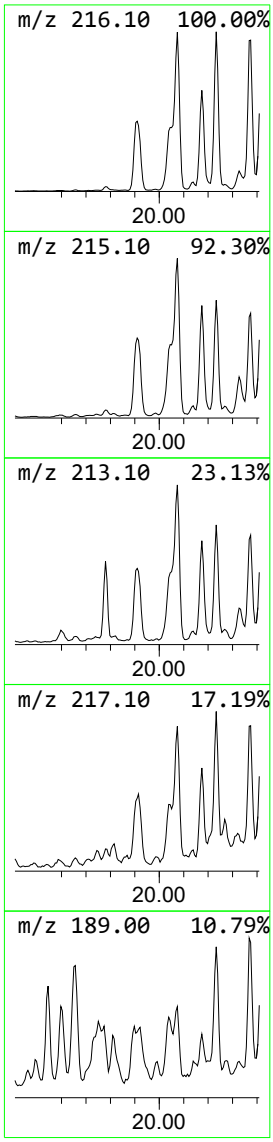
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.909	4.59 ng	2158470	Chrysene-d12	21.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049968.D
Acq On : 18 Apr 2025 16:27
Operator : RC/JU
Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

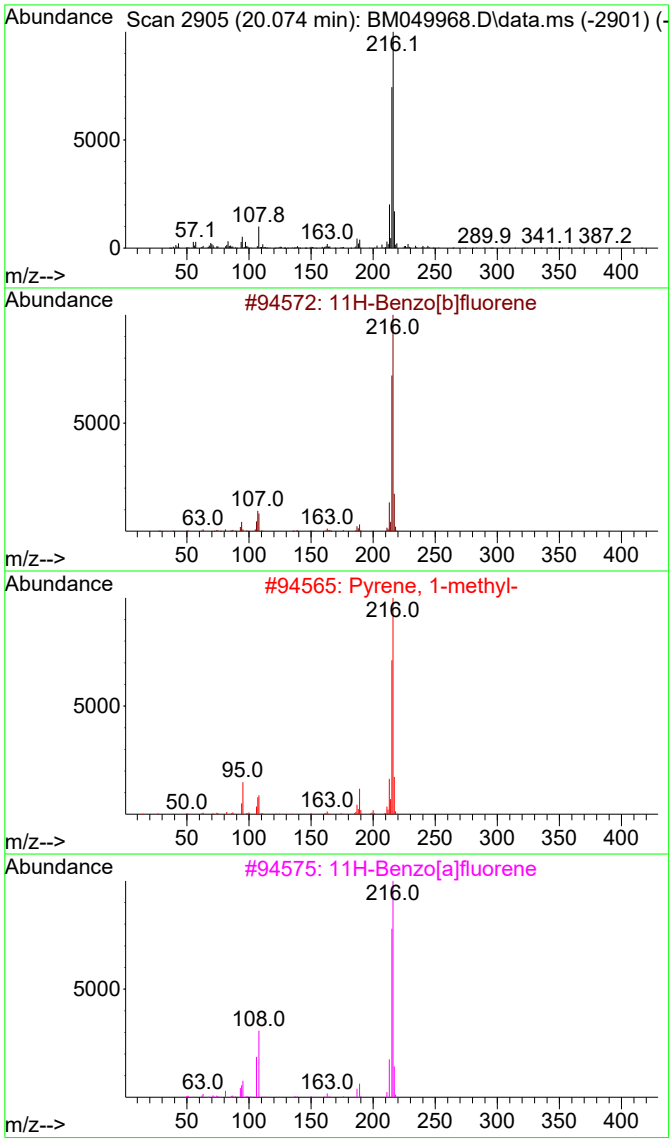
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

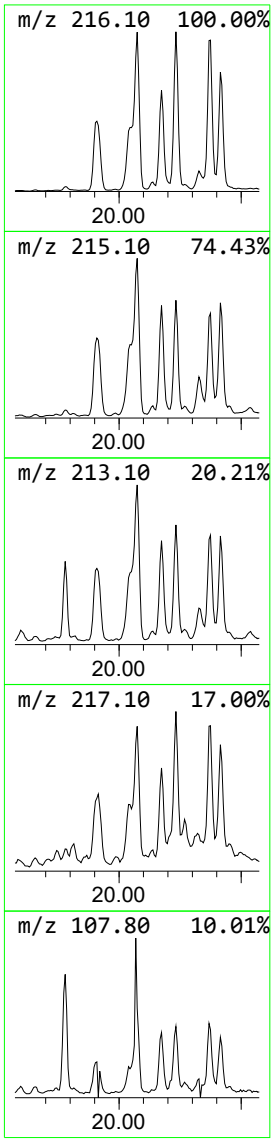
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.074	5.03 ng	2363370	Chrysene-d12	21.392

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	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049968.D
Acq On : 18 Apr 2025 16:27
Operator : RC/JU
Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

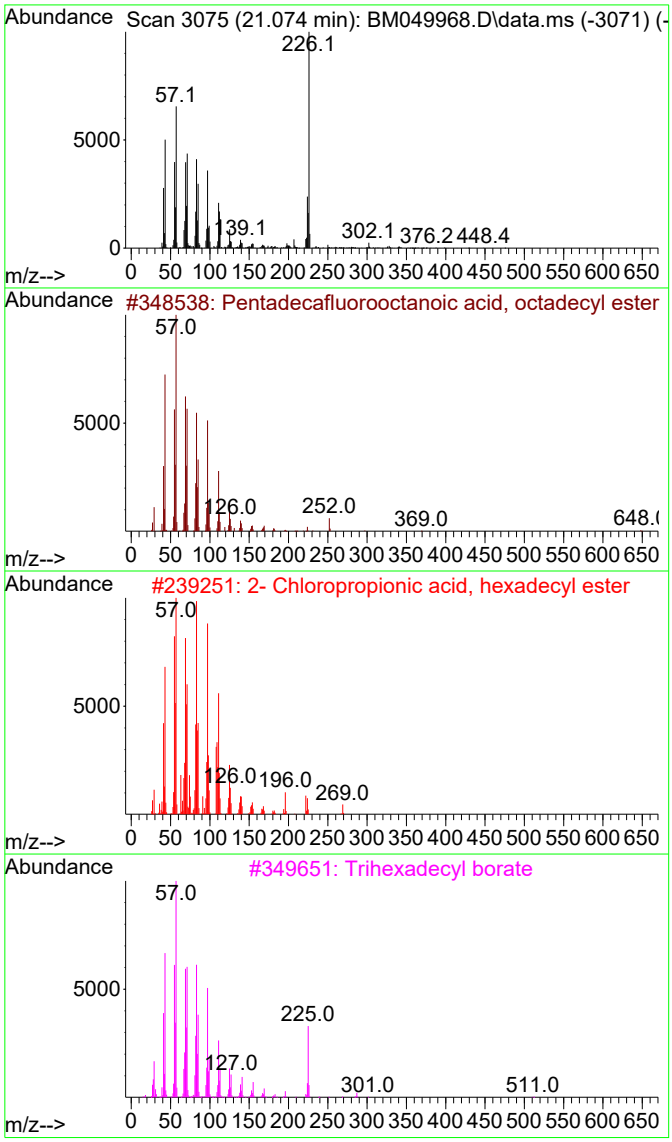
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

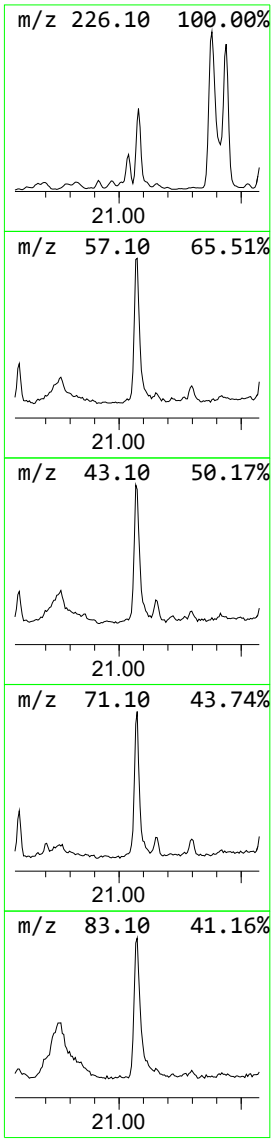
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Pentadecafluorooctanoic aci... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.074	4.11 ng	1929190	Chrysene-d12	21.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	86
2	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	84
3	Trihexadecyl borate	735	C48H99BO3	002665-11-4	53
4	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	50
5	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049968.D
Acq On : 18 Apr 2025 16:27
Operator : RC/JU
Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

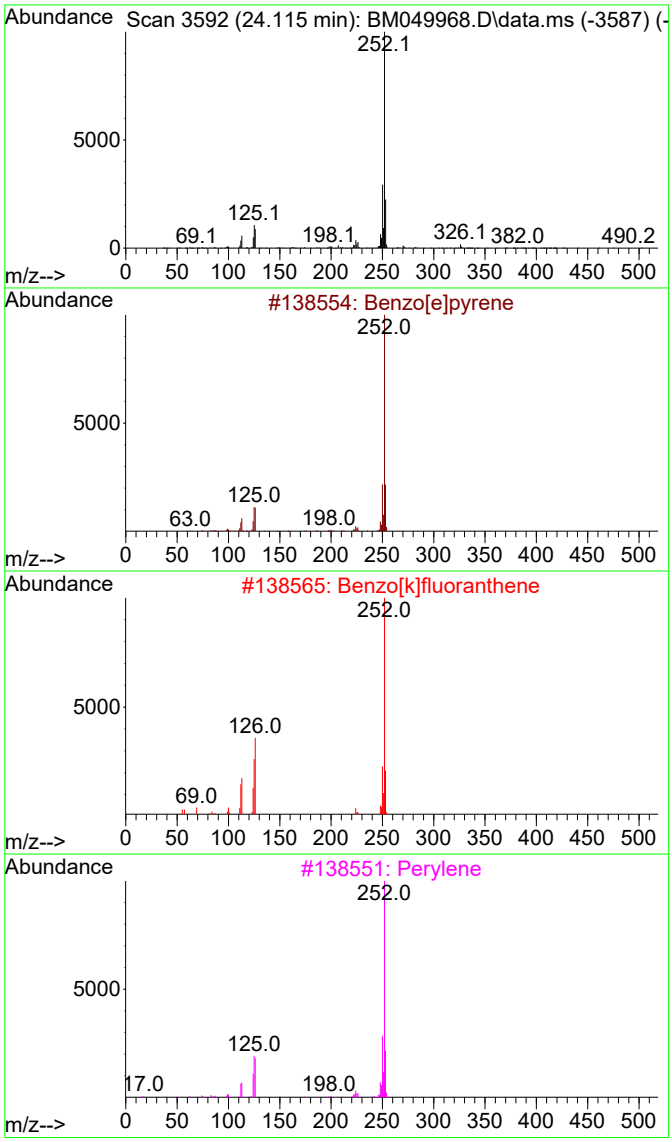
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

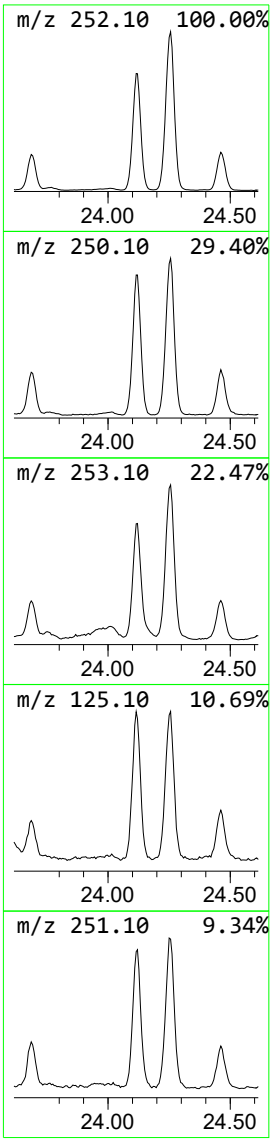
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.115	16.10 ng	3064230	Perylene-d12	24.397

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049968.D
Acq On : 18 Apr 2025 16:27
Operator : RC/JU
Sample : Q1830-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.887	8.7	ng	1329590	1	7.769	3063590	20.0
Eucalyptol	8.075	4.8	ng	736370	1	7.769	3063590	20.0
Benzophenone	15.768	12.5	ng	2883250	3	14.410	4599600	20.0
Naphthalene, 1,...	16.133	4.7	ng	955016	4	17.157	4083380	20.0
Hexadecanoic ac...	17.827	8.9	ng	1825470	4	17.157	4083380	20.0
Phenanthrene, 1...	18.033	10.3	ng	2111310	4	17.157	4083380	20.0
n-Hexadecanoic ...	18.057	9.9	ng	2012120	4	17.157	4083380	20.0
Anthracene, 1-m...	18.080	9.6	ng	1950950	4	17.157	4083380	20.0
4H-Cyclopenta[d...	18.221	14.5	ng	2952510	4	17.157	4083380	20.0
Anthracene, 9-m...	18.262	7.1	ng	1456830	4	17.157	4083380	20.0
Phenanthrene, 3...	18.833	4.7	ng	952570	4	17.157	4083380	20.0
Phenanthrene, 2...	18.951	13.4	ng	2735360	4	17.157	4083380	20.0
9-Octadecenoic ...	19.003	27.8	ng	5670960	4	17.157	4083380	20.0
Naphthalene, 1,...	19.039	4.8	ng	972219	4	17.157	4083380	20.0
Cyclopenta(def)...	19.092	6.0	ng	1220960	4	17.157	4083380	20.0
Methyl stearate	19.139	6.0	ng	1226040	4	17.157	4083380	20.0
Pyrene, 1-methyl-	19.909	4.6	ng	2158470	5	21.392	9396540	20.0
11H-Benzo[b]flu...	20.074	5.0	ng	2363370	5	21.392	9396540	20.0
Pentadecafluoro...	21.074	4.1	ng	1929190	5	21.392	9396540	20.0
Benzo[e]pyrene	24.115	16.1	ng	3064230	6	24.397	3805680	20.0