LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049965.D
Acq On : 18 Apr 2025 14:29
Operator : RC/JU
Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

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: BM049965.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.287	216	221	232	rVB	183073	250587	1.74%	0.123%
2	4.887	317	323	333	rVB	960692	1311170	9.08%	0.645%
3	5.358	396	403	415	rBV	5013453	7207189	49.92%	3.543%
4	5.963	500	506	514	rBV	142788	209787	1.45%	0.103%
5	6.946	663	673	692	rBV	4452152	7400003	51.25%	3.637%
6	7.763	804	812	821	rBV	1762211	2754545	19.08%	1.354%
7	8.075	858	865	872	rVB	255910	387187	2.68%	0.190%
8	8.922	996	1009	1019	rBV	2828958	4645706	32.18%	2.284%
9	10.557	1279	1287	1293	rBV	1925377	3330329	23.07%	1.637%
10	10.610	1293	1296	1302	rVB	184001	281910	1.95%	0.139%
11	12.228	1565	1571	1577	rVB	133640	221398	1.53%	0.109%
12	12.445	1603	1608	1618	rVB	119459	200482	1.39%	0.099%
13	13.028	1700	1707	1717	rBV	6986770	9989775	69.19%	4.910%
14	13.586	1795	1802	1807	rBV4	61027	149103	1.03%	0.073%
15	13.734	1821	1827	1831	rBV	191151	317428	2.20%	0.156%
16	13.963	1860	1866	1870	rBV	101545	175484	1.22%	0.086%
17	14.134	1888	1895	1909	rBV	722878	1177434	8.15%	0.579%
18	14.410	1934	1942	1948	rBV	2766256	4050238	28.05%	1.991%
19	14.475	1948	1953	1961	rVB	299964	485447	3.36%	0.239%
20	14.810	2005	2010	2018	rVV	233178	394151	2.73%	0.194%
21	14.886	2018	2023	2028	rVB	155603	229498	1.59%	0.113%
22	15.028	2039	2047	2052	rBV3	156533	361335	2.50%	0.178%
23	15.204	2069	2077	2078	rBV5	120281	253733	1.76%	0.125%
24	15.233	2078	2082	2085	rVV	218183	352002	2.44%	0.173%
25	15.281	2085	2090	2097	rVB	168035	288420	2.00%	0.142%
26	15.457	2115	2120	2132	rVB2	353676	712994	4.94%	0.350%
27	15.669	2152	2156	2161	rBV4	97632	166783	1.16%	0.082%
28	15.769	2166	2173	2185	rVB	1842366	2646324	18.33%	1.301%
29	15.898	2189	2195	2204	rVB	5253853	7497570	51.93%	3.685%
30	16.133	2230	2235	2245	rVB2	337315	565426	3.92%	0.278%
31	16.333	2265	2269	2274	rVB	244165	368118	2.55%	0.181%
32	16.463	2284	2291	2295	rBV3	166349	346649	2.40%	0.170%
33	16.510	2295	2299	2304	rVB	156610	219756	1.52%	0.108%
34	16.610	2313	2316	2321	rVB2	122169	175541	1.22%	0.086%
35	16.810	2347	2350	2357	rVB3	207684	335433	2.32%	0.165%
36	16.975	2374	2378	2386	rVB	248915	404948	2.80%	0.199%

LSC Area Percent Report

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Data File : BM049965.D
Acq On : 18 Apr 2025 14:29
Operator : RC/JU
Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

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	17.151	2403	2408	2412	rBV2	2917742	4154027	28.77%	2.042%
38	17.198	2412	2416	2423	rVV	4362934	5770083	39.96%	2.836%
39	17.286	2426	2431	2436	rVB	1265796	1717595	11.90%	0.844%
40	17.351	2436	2442	2447	rBV3	241002	470494	3.26%	0.231%
41	17.439	2452	2457	2460	rBV3	109543	199757	1.38%	0.098%
42	17.563	2474	2478	2483	rBV	196540	275975	1.91%	0.136%
43	17.674	2494	2497	2501	rVB	149427	191319	1.33%	0.094%
44	17.733	2504	2507	2517	rVB2	219903	317545	2.20%	0.156%
45	18.027	2552	2557	2560	rBV	1295968	1969153	13.64%	0.968%
46	18.074	2560	2565	2570	rVV2	1721505	3598041	24.92%	1.769%
47	18.121	2570	2573	2576	rVV	375065	529962	3.67%	0.261%
48	18.157	2576	2579	2584	rVV	482001	750817	5.20%	0.369%
49	18.221	2584	2590	2594	rVV2	1646178	3073682	21.29%	1.511%
50	18.257	2594	2596	2603	rVB	916831	1286907	8.91%	0.633%
51	18.345	2607	2611	2615	rBV4	148318	244984	1.70%	0.120%
52	18.427	2621	2625	2629	rBV3	140988	187694	1.30%	0.092%
53	18.474	2629	2633	2637	rBV2	236704	373493	2.59%	0.184%
54	18.533	2639	2643	2646	rVV	626155	862532	5.97%	0.424%
55	18.574	2646	2650	2661	rVB2	460394	808685	5.60%	0.398%
56	18.780	2681	2685	2689	rVV	448067	605331	4.19%	0.298%
57	18.827	2689	2693	2697	rVV	600430	767058	5.31%	0.377%
58	18.869	2697	2700	2704	rVB	381454	447373	3.10%	0.220%
59	18.951	2709	2714	2719	rVV	1396695	2144727	14.85%	1.054%
60	19.010	2719	2724	2727	rVV2	623468	1254450	8.69%	0.617%
61	19.045	2727	2730	2733	rVB	411155	496411	3.44%	0.244%
62	19.092	2733	2738	2746	rBV2	640953	1301876	9.02%	0.640%
63	19.216	2753	2759	2765	rBV	9804112	12366603	85.65%	6.079%
64	19.280	2766	2770	2772	rBV2	234793	302373	2.09%	0.149%
65	19.316	2772	2776	2777	rVV	285888	327020	2.26%	0.161%
66	19.363	2781	2784	2788	rVB	379962	486879	3.37%	0.239%
67	19.457	2796	2800	2803	rBV	332340	449901	3.12%	0.221%
68	19.580	2811	2821	2829	rBV	9356301	14438502	100.00%	7.097%
69	19.657	2829	2834	2839	rVB2	706717	1084615	7.51%	0.533%
70	19.704	2839	2842	2844	rBV3	161225	215773	1.49%	0.106%
71	19.780	2844	2855	2859	rVV	9925681	12009060	83.17%	5.903%
72	19.816	2859	2861	2867	rVB4	360519	550116	3.81%	0.270%
73	19.904	2870	2876	2883	rBV4	802451	2038007	14.12%	1.002%
74	20.039	2894	2899	2901	rBV4	662441	1102624	7.64%	0.542%
75	20.074	2901	2905	2913	rVB	1707752	2518298	17.44%	1.238%
76	20.174	2918	2922	2926	rVV	1161148	1606677	11.13%	0.790%

LSC Area Percent Report

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Data File : BM049965.D
Acq On : 18 Apr 2025 14:29
Operator : RC/JU
Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

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_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.233	2927	2932	2936	rVV2	1372770	2111279	14.62%	1.038%
78	20.268	2936	2938	2943	rVB3	371628	447052	3.10%	0.220%
79	20.368	2952	2955	2959	rBV	896458	1143544	7.92%	0.562%
80	20.415	2959	2963	2967	rVV	960228	1252244	8.67%	0.616%
81	20.451	2967	2969	2975	rVB2	263031	341009	2.36%	0.168%
82	20.668	3003	3006	3008	rBV	214244	270907	1.88%	0.133%
83	20.821	3029	3032	3039	rVB	744324	1155765	8.00%	0.568%
84	20.915	3045	3048	3053	rVB	319786	391642	2.71%	0.193%
85	20.998	3054	3062	3066	rBV3	793178	1741004	12.06%	0.856%
86	21.039	3066	3069	3072	rVB	591721	643449	4.46%	0.316%
87	21.080	3072	3076	3081	rBV3	821378	1498714	10.38%	0.737%
88	21.380	3121	3127	3133	rBV2	5207746	11691609	80.98%	5.747%
89	21.439	3133	3137	3149	rVB	4114456	6176546	42.78%	3.036%
90	21.580	3157	3161	3168	rBV2	698162	1194161	8.27%	0.587%
91	22.009	3231	3234	3238	rBV	247699	327924	2.27%	0.161%
92	22.080	3239	3246	3252	rVB	939469	1818099	12.59%	0.894%
93	22.151	3254	3258	3263	rVB2	653733	1041794	7.22%	0.512%
94	22.333	3285	3289	3293	rBV2	515151	804245	5.57%	0.395%
95	23.451	3471	3479	3486	rBV	2443638	7346341	50.88%	3.611%
96	23.686	3515	3519	3534	rVB	467477	1081081	7.49%	0.531%
97	24.115	3586	3592	3603	rVB	1593423	3886324	26.92%	1.910%
98	24.251	3608	3615	3628	rVB	2258739	5625472	38.96%	2.765%
99	24.392	3632	3639	3646	rBV	1719033	4212376	29.17%	2.071%
100	27.774	4206	4214	4235	rVB2	955433	4075400	28.23%	2.003%

Sum of corrected areas: 203438283

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049965.D
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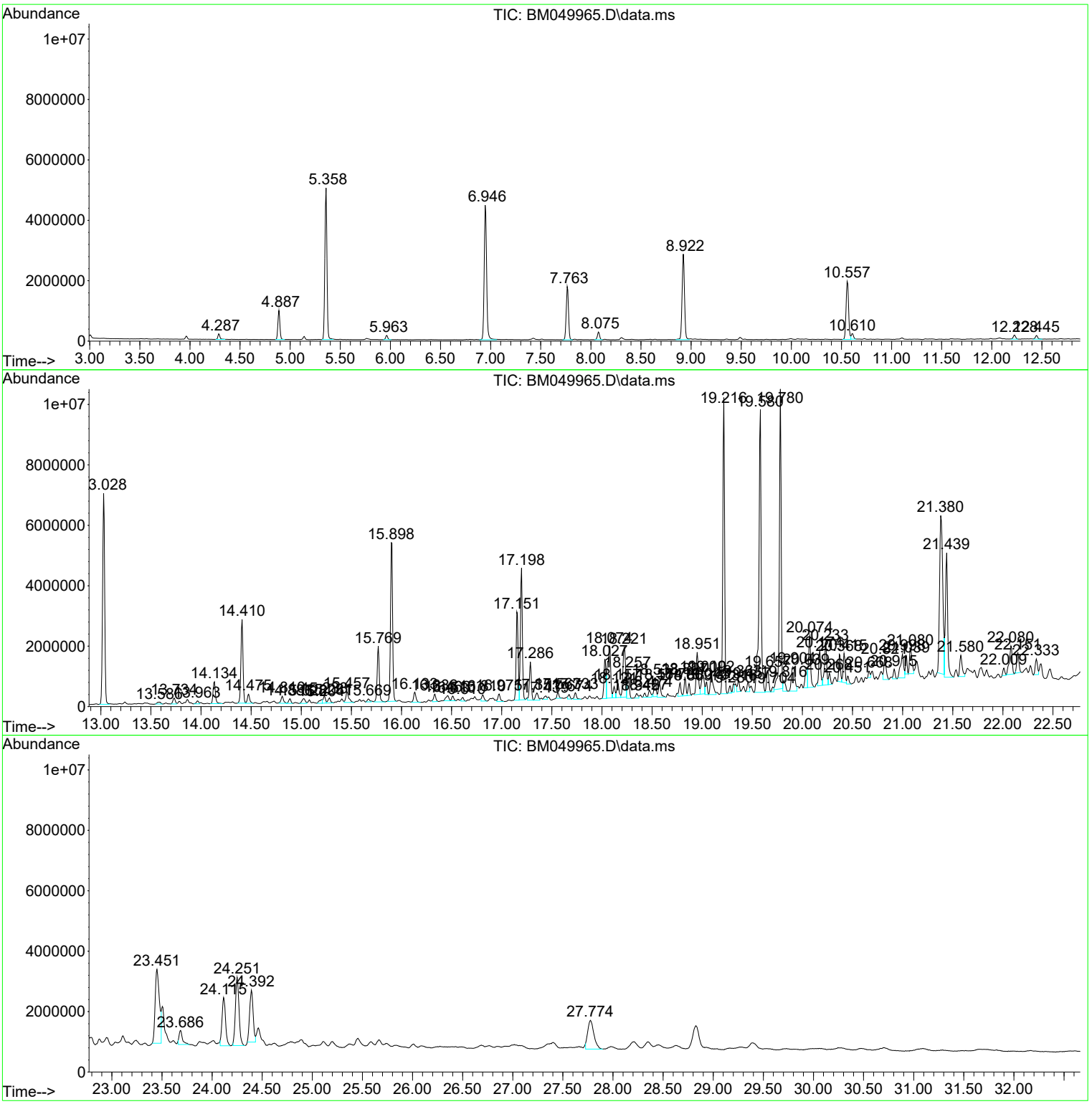
Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

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 : BM049965.D
Acq On : 18 Apr 2025 14:29
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Sample : Q1830-11
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Instrument :
BNA_M
ClientSampleId :
SOIL-2

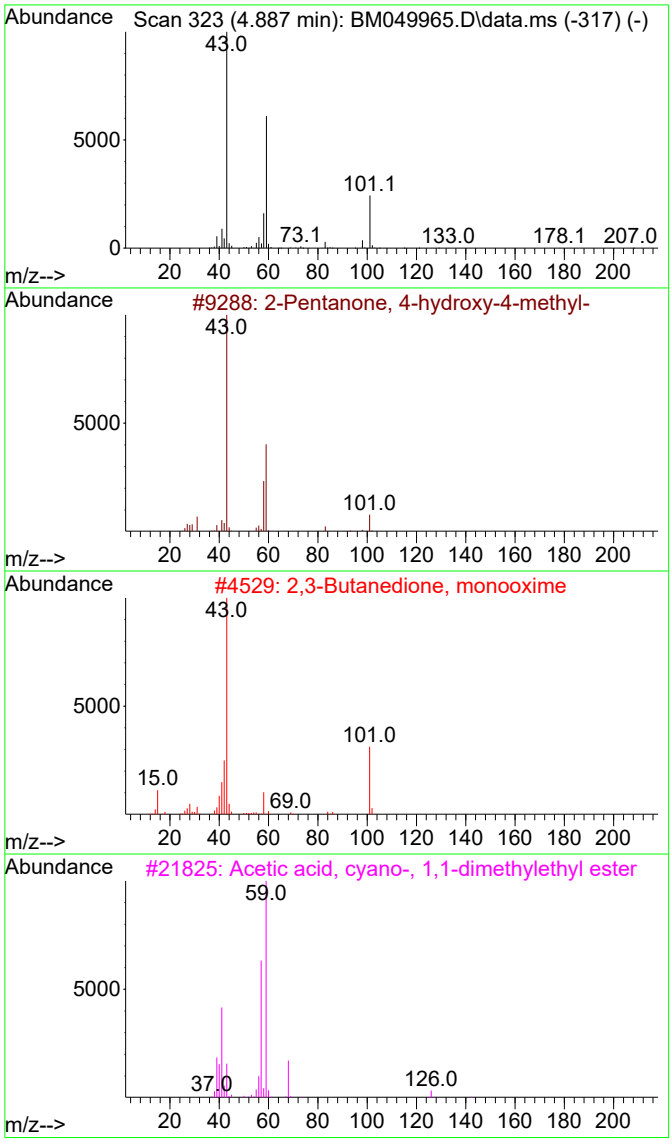
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

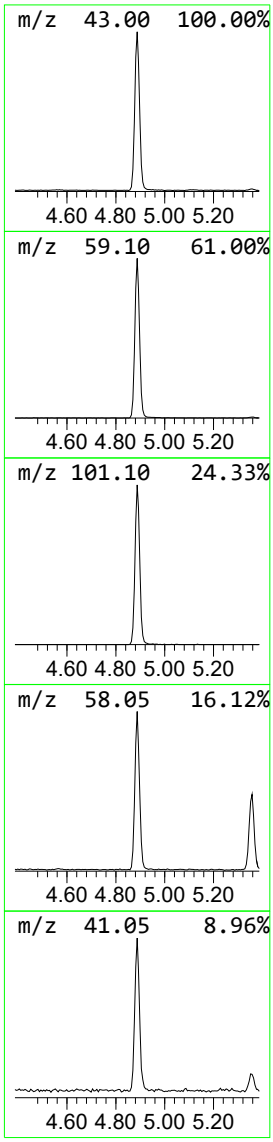
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.887	9.52 ng	1311170	1,4-Dichlorobenzene-d4	7.763

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049965.D
Acq On : 18 Apr 2025 14:29
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

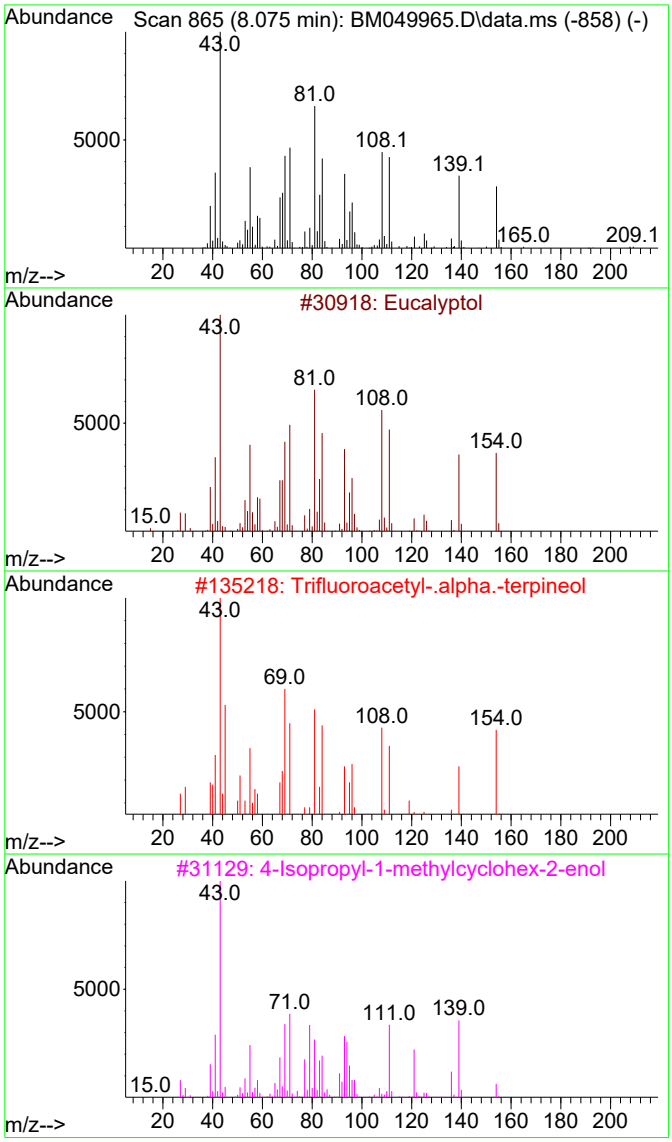
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

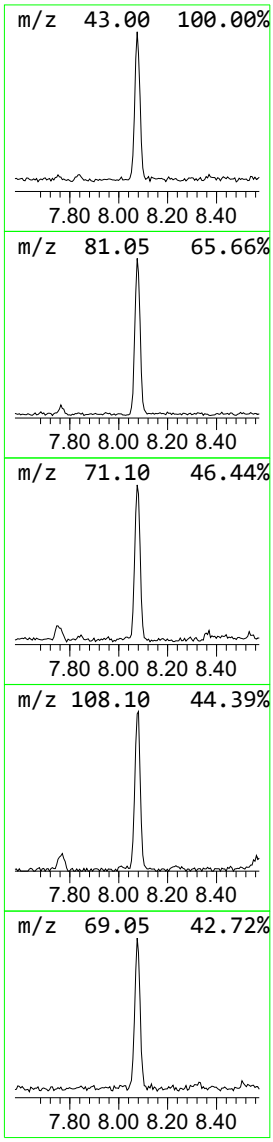
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Eucalyptol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.075	2.81 ng	387187	1,4-Dichlorobenzene-d4	7.763

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	4-Isopropyl-1-methylcyclohex-2-enol	154	C10H18O	000619-62-5	32
4	2-Isopropyl-5-methylhex-2-enal	154	C10H18O	035158-25-9	27
5	2-Acetylcyclopentanone	126	C7H10O2	001670-46-8	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049965.D
Acq On : 18 Apr 2025 14:29
Operator : RC/JU
Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

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BNA_M
ClientSampleId :
SOIL-2

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

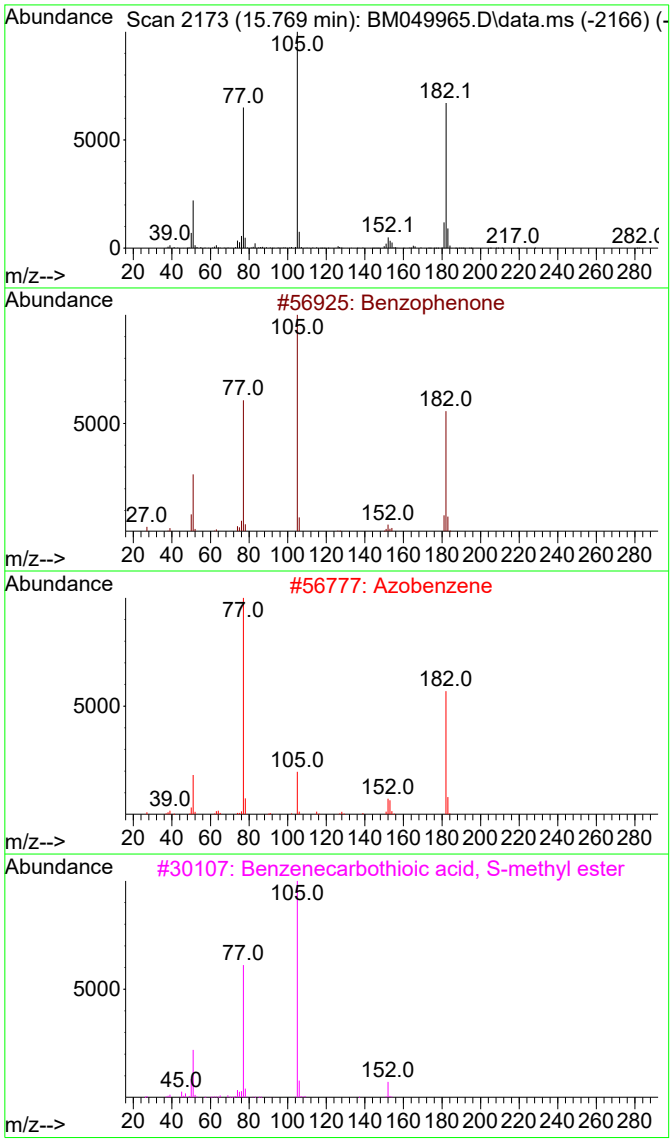
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

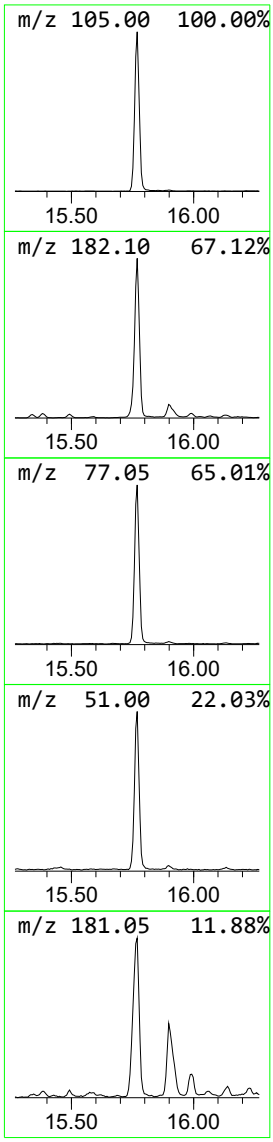
****

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.769	13.07 ng	2646320	Acenaphthene-d10	14.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Azobenzene	182	C12H10N2	000103-33-3	47
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	46
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	43
5	Methyl benzilate	242	C15H14O3	000076-89-1	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049965.D
Acq On : 18 Apr 2025 14:29
Operator : RC/JU
Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

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

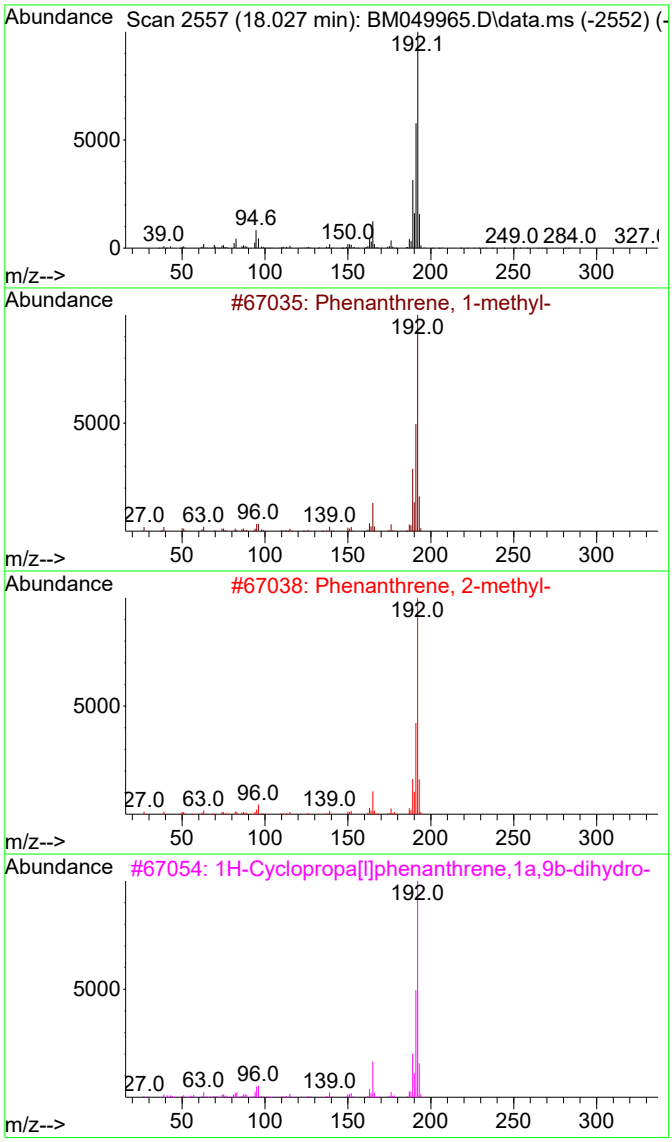
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

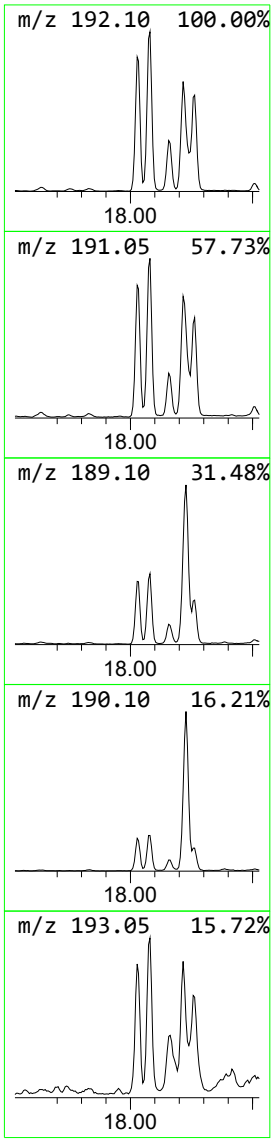
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.027	9.48 ng	1969150	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049965.D
Acq On : 18 Apr 2025 14:29
Operator : RC/JU
Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

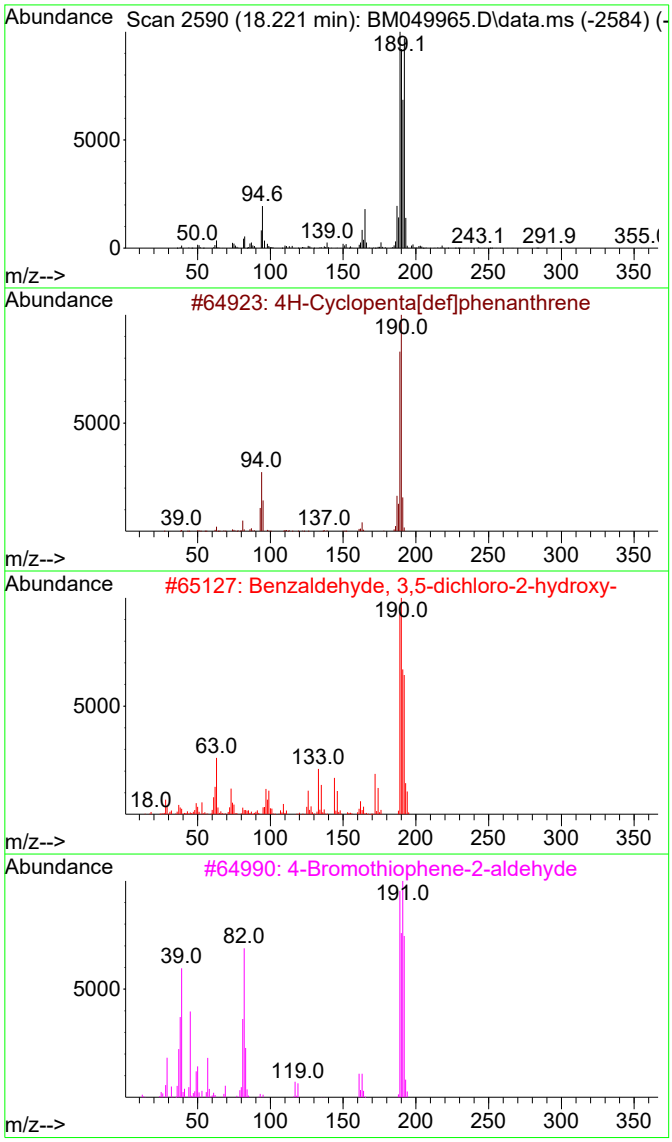
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

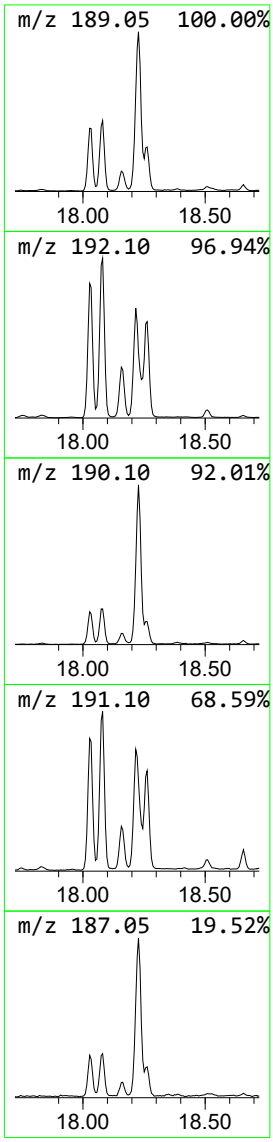
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.221	14.80 ng	3073680	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	58
3	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	58
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





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Acq On : 18 Apr 2025 14:29
Operator : RC/JU
Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

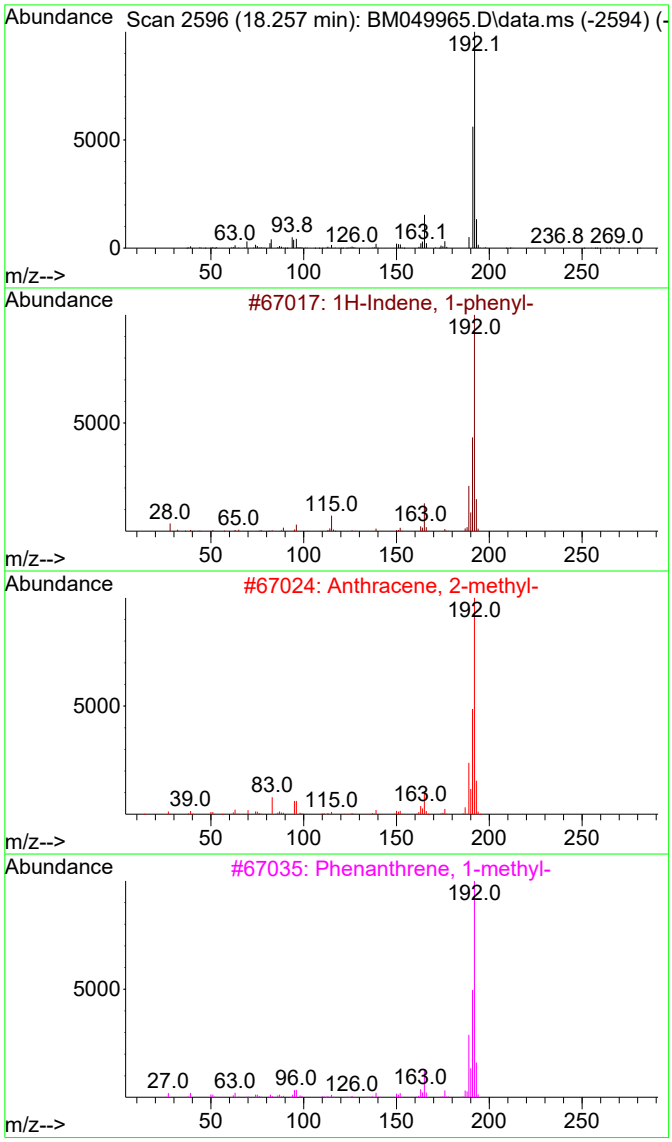
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

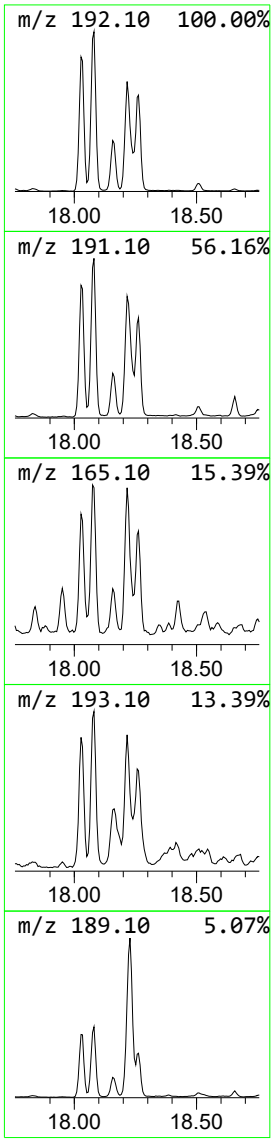
****

Peak Number 6 1H-Indene, 1-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.257	6.20 ng	1286910	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

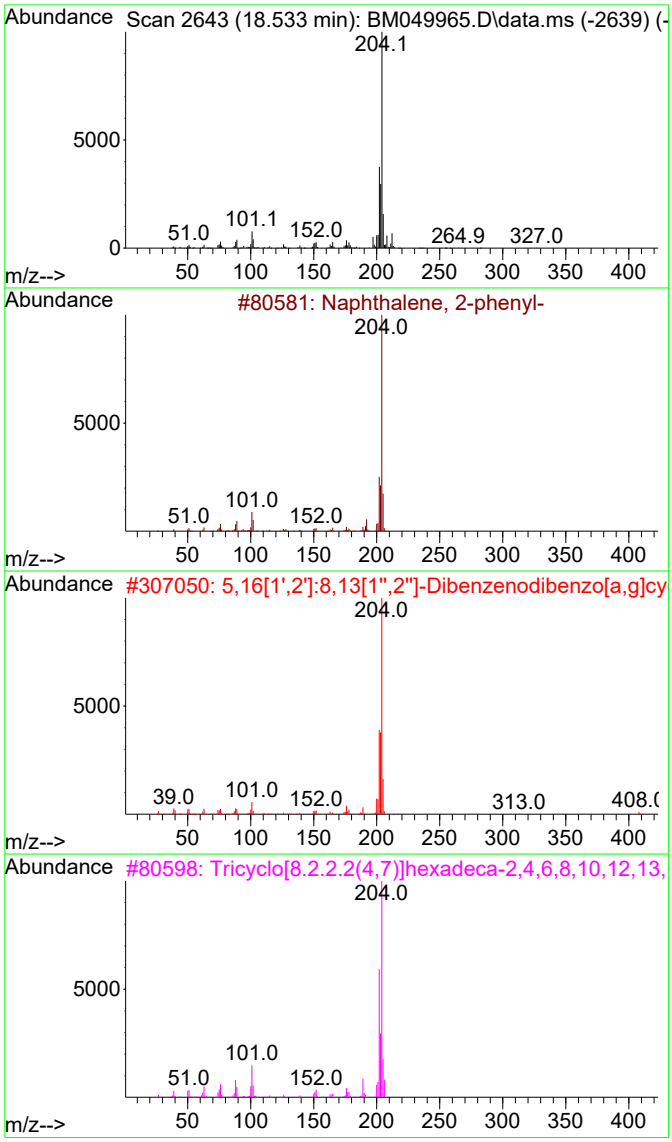
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

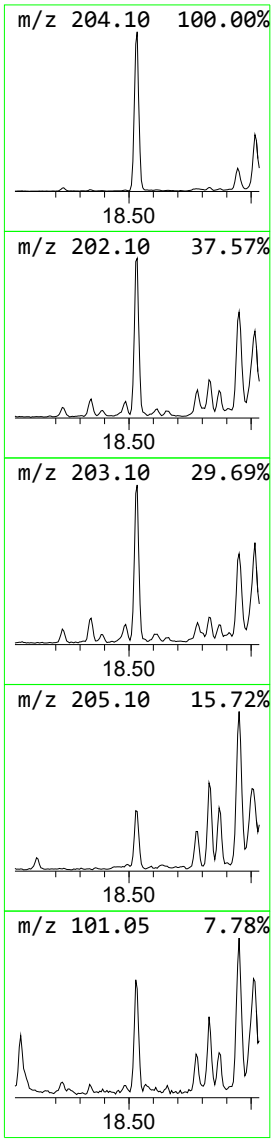
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.533	4.15 ng	862532	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53





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Sample : Q1830-11
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

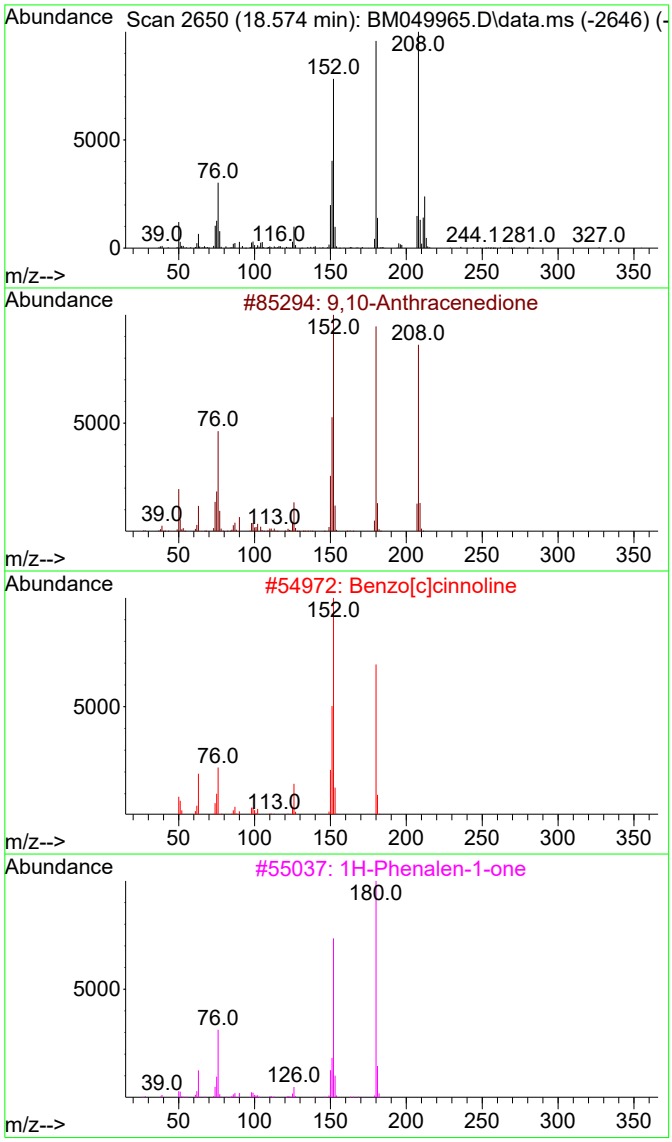
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

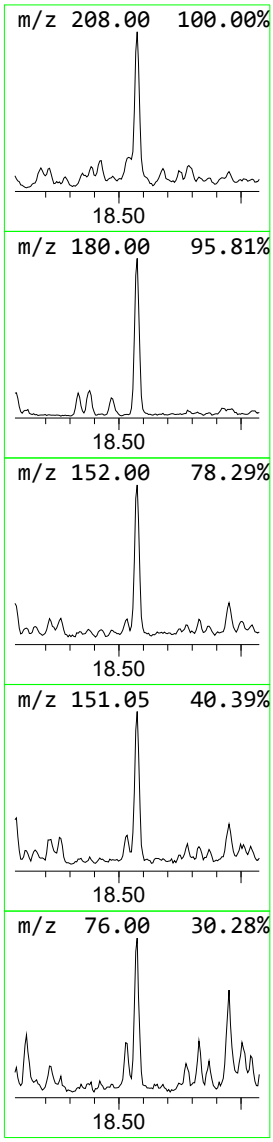
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.574	3.89 ng	808685	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	70
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	52
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	52





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Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

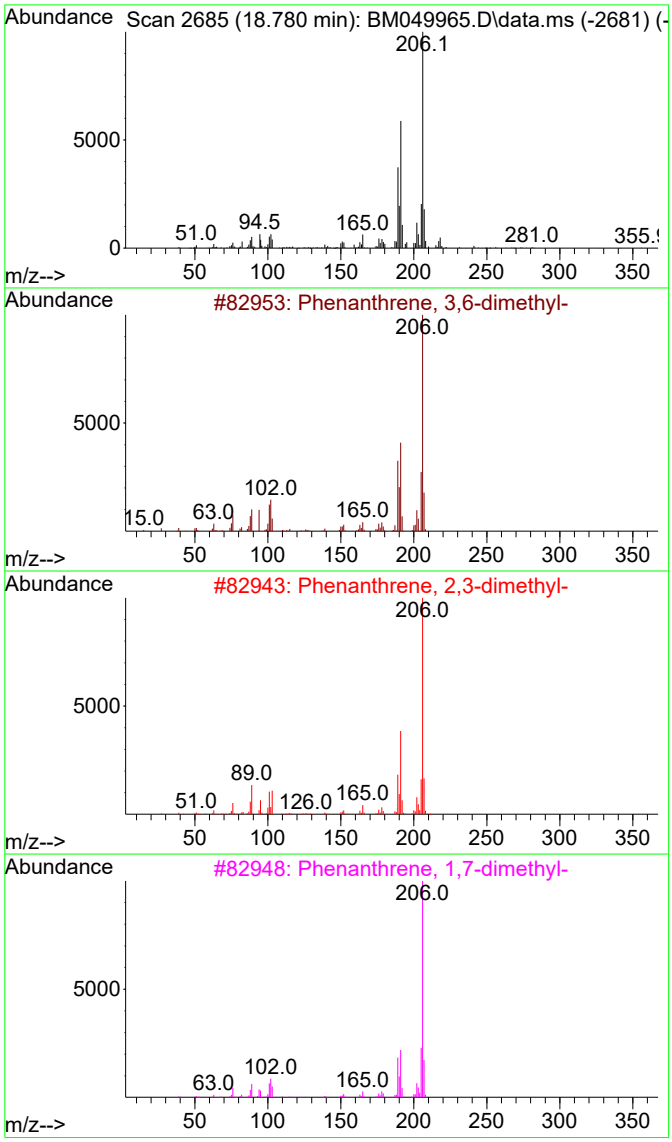
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

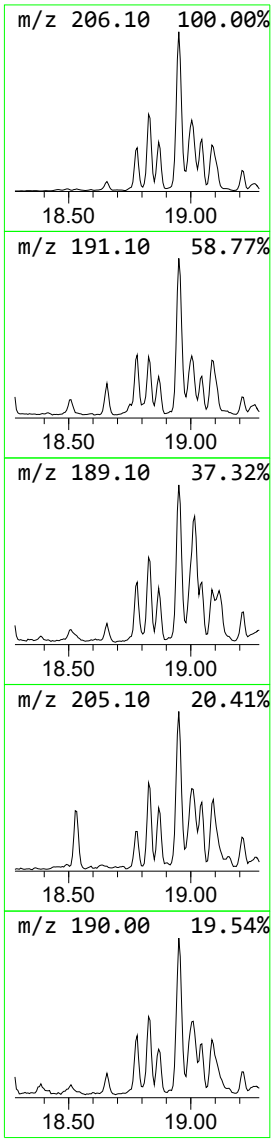
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.780	2.91 ng	605331	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81





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Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

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BNA_M
ClientSampleId :
SOIL-2

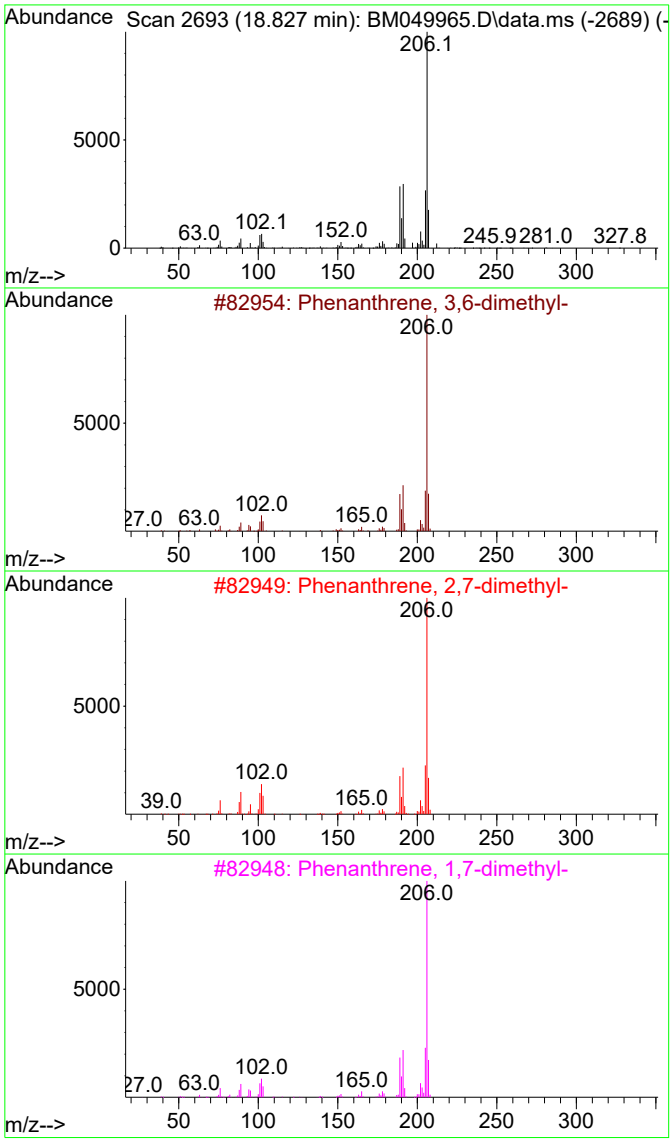
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

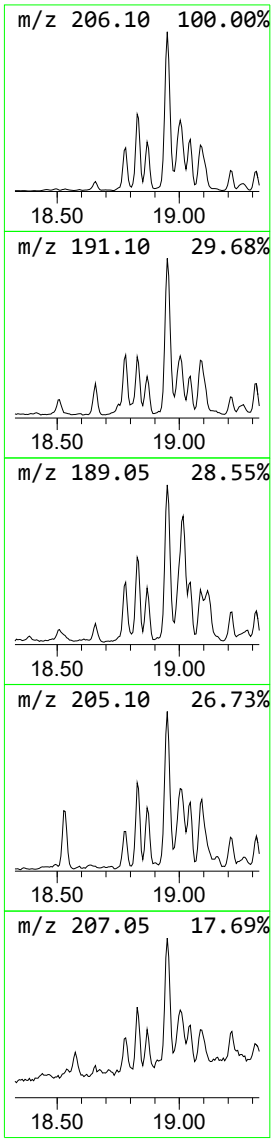
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.827	3.69 ng	767058	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





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Operator : RC/JU
Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

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

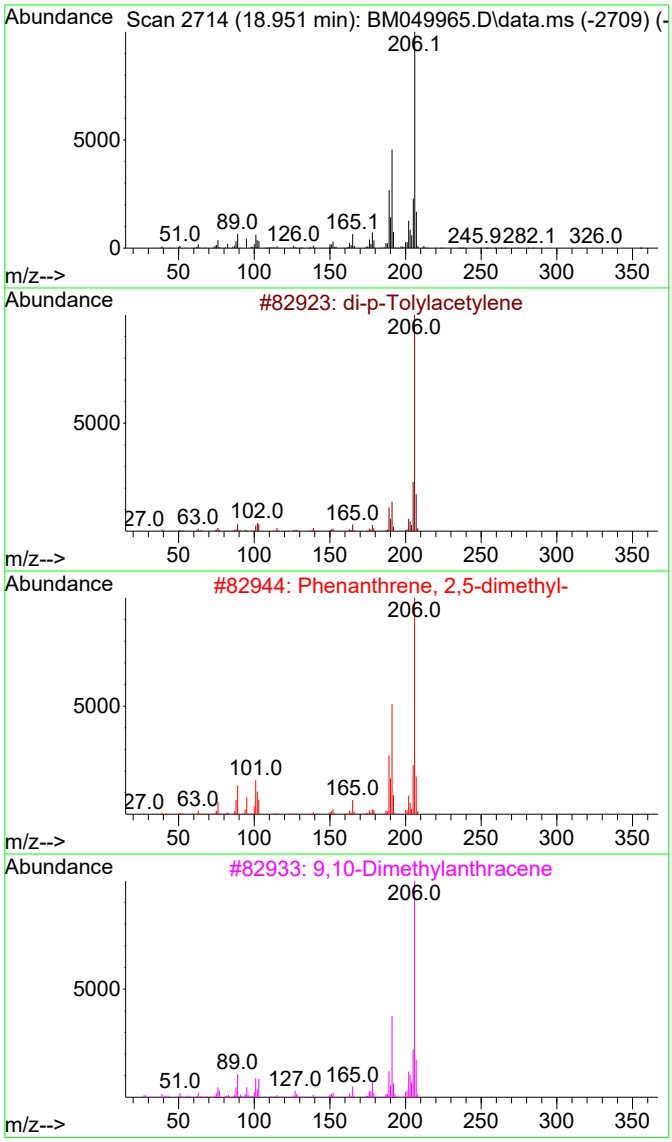
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

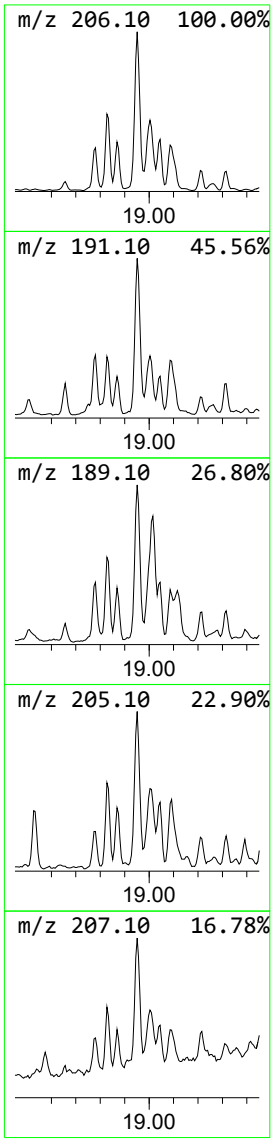
****

Peak Number 11 di-p-Tolylacetylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.951	10.33 ng	2144730	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Operator : RC/JU
Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

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

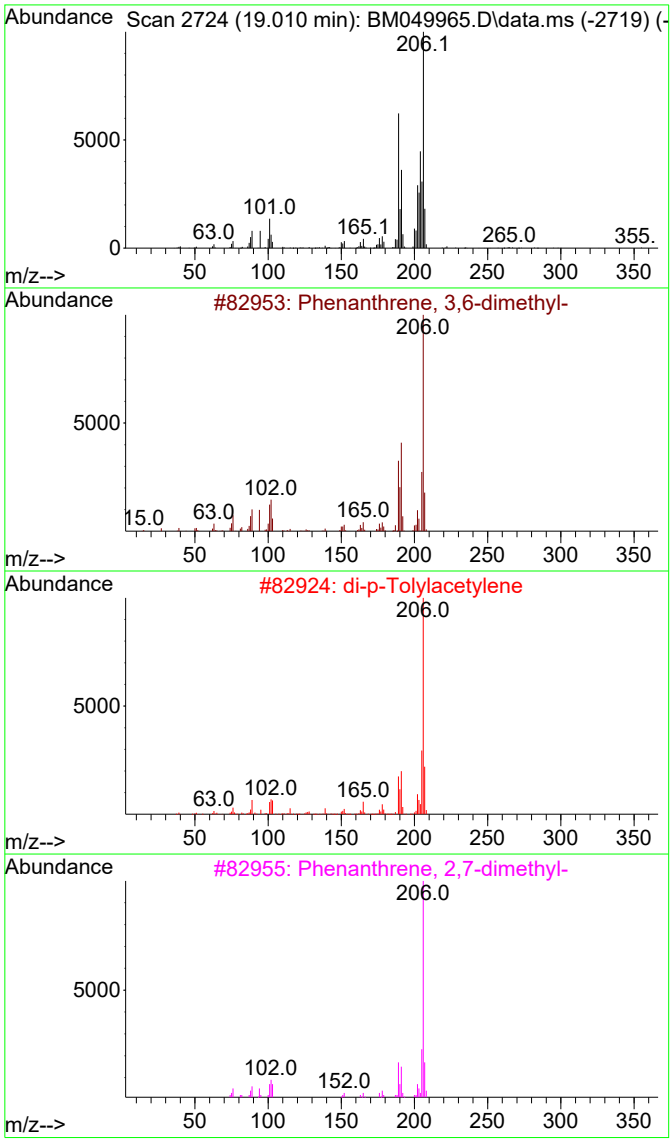
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

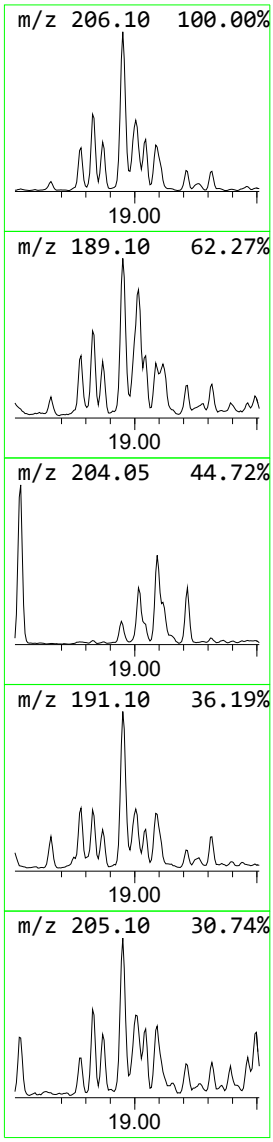
****

Peak Number 12 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.010	6.04 ng	1254450	Phenanthrene-d10	17.151

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	55
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	55
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	55
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	49





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Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

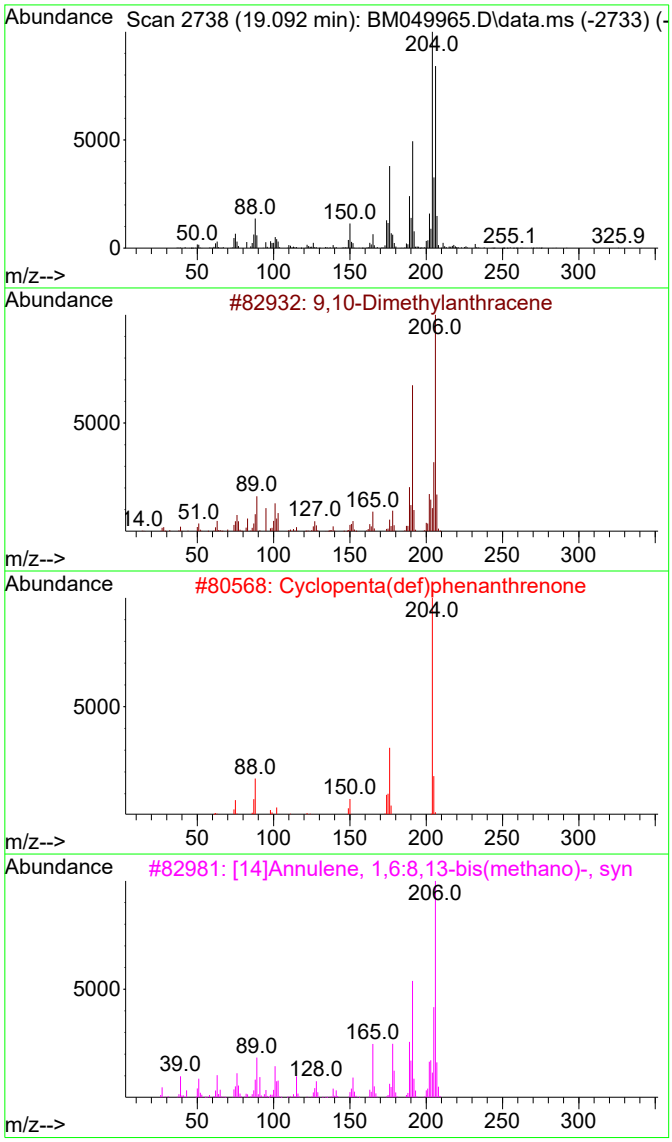
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

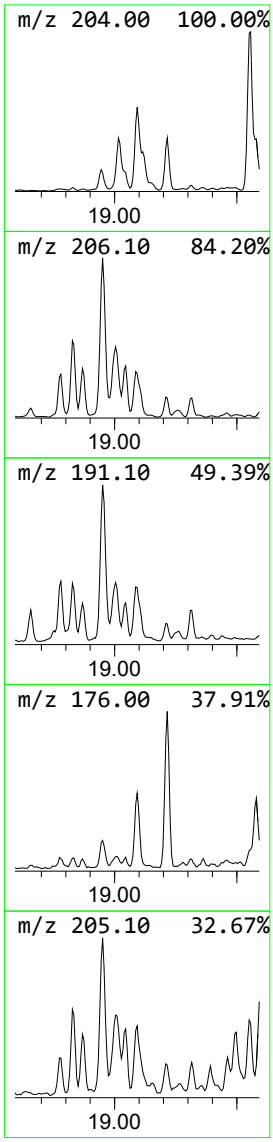
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.092	6.27 ng	1301880	Phenanthrene-d10	17.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	64
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	60
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60





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ALS Vial : 7 Sample Multiplier: 1

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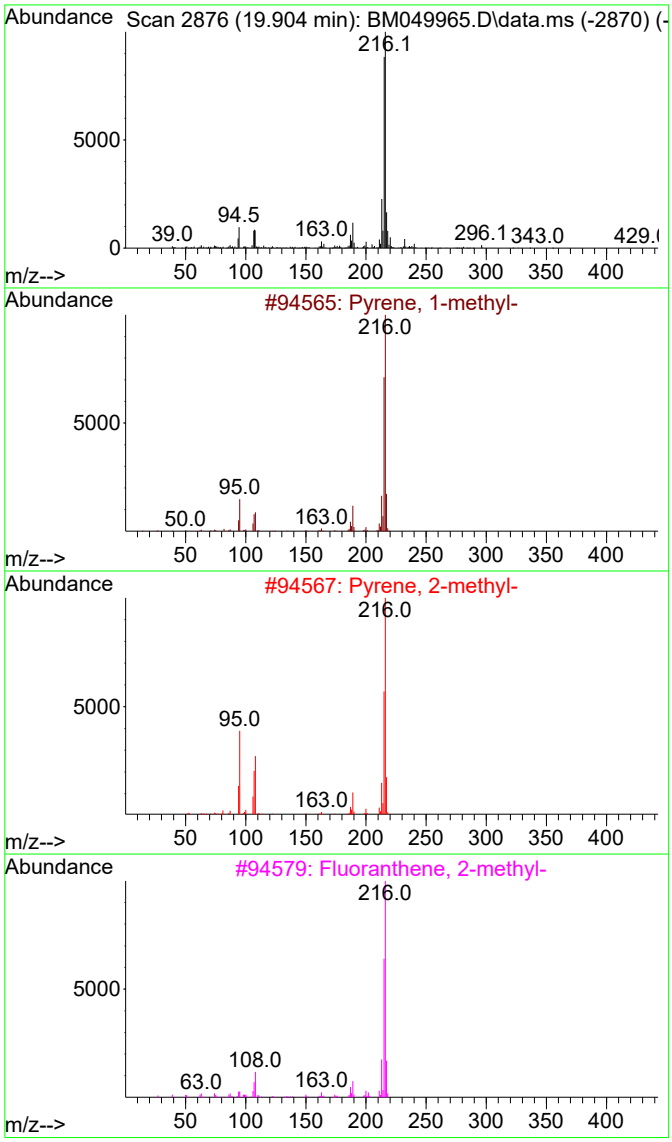
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

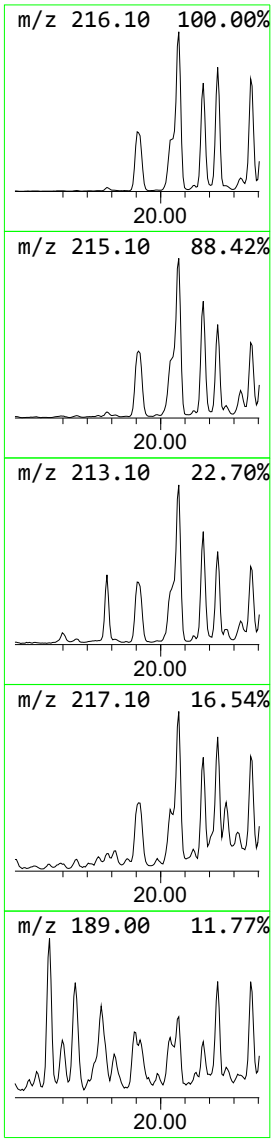
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.904	3.49 ng	2038010	Chrysene-d12	21.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-2

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

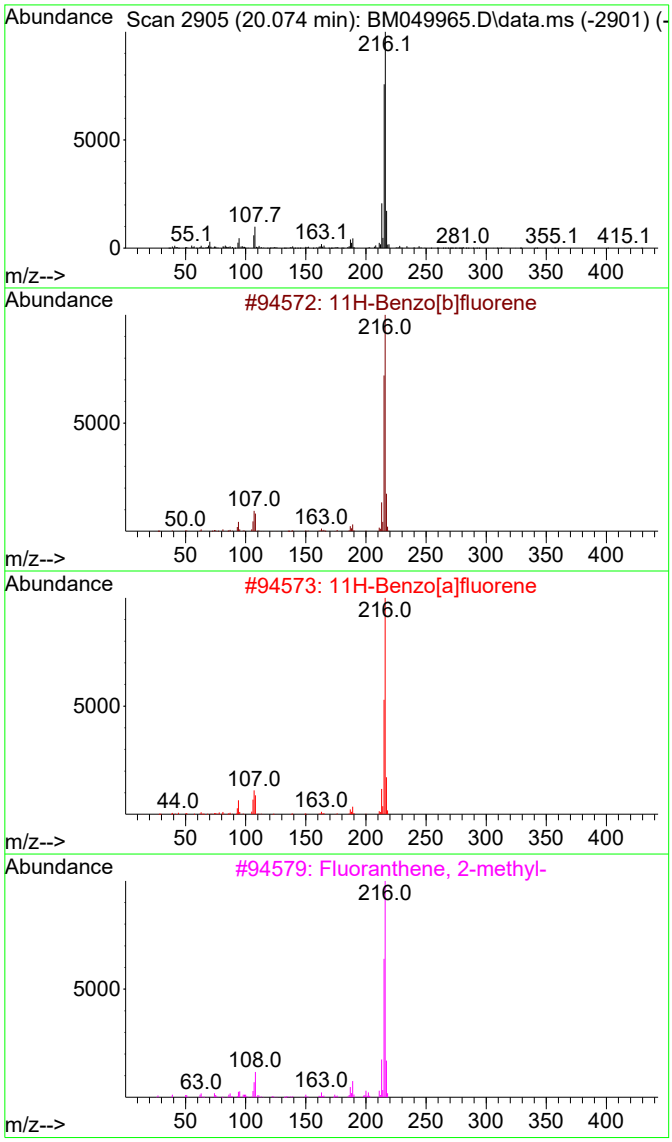
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

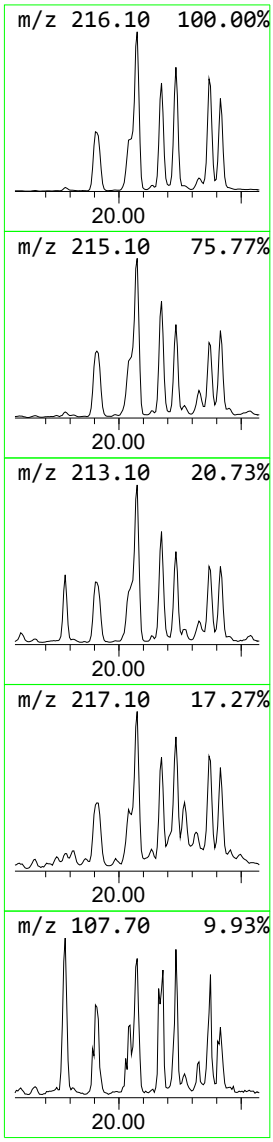
****

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.074	4.31 ng	2518300	Chrysene-d12	21.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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ALS Vial : 7 Sample Multiplier: 1

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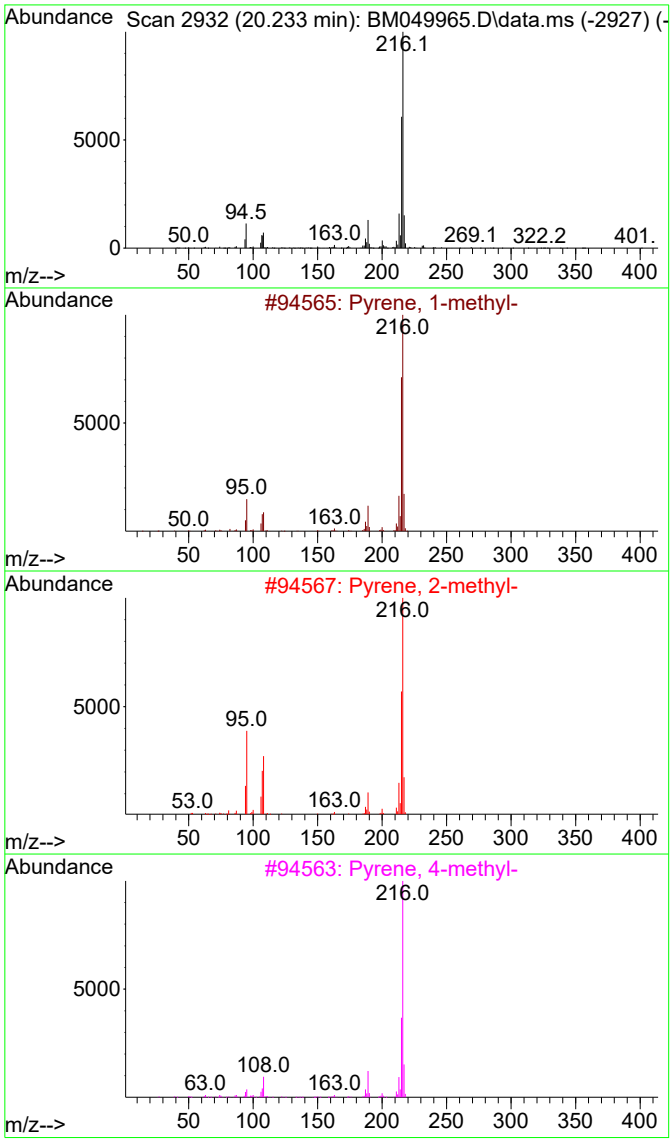
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

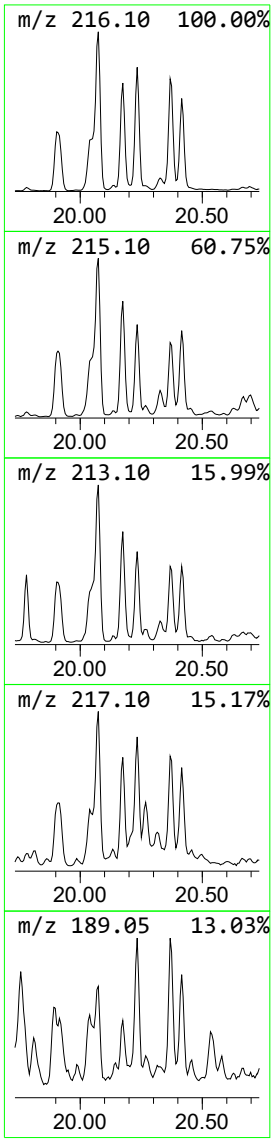
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.233	3.61 ng	2111280	Chrysene-d12	21.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

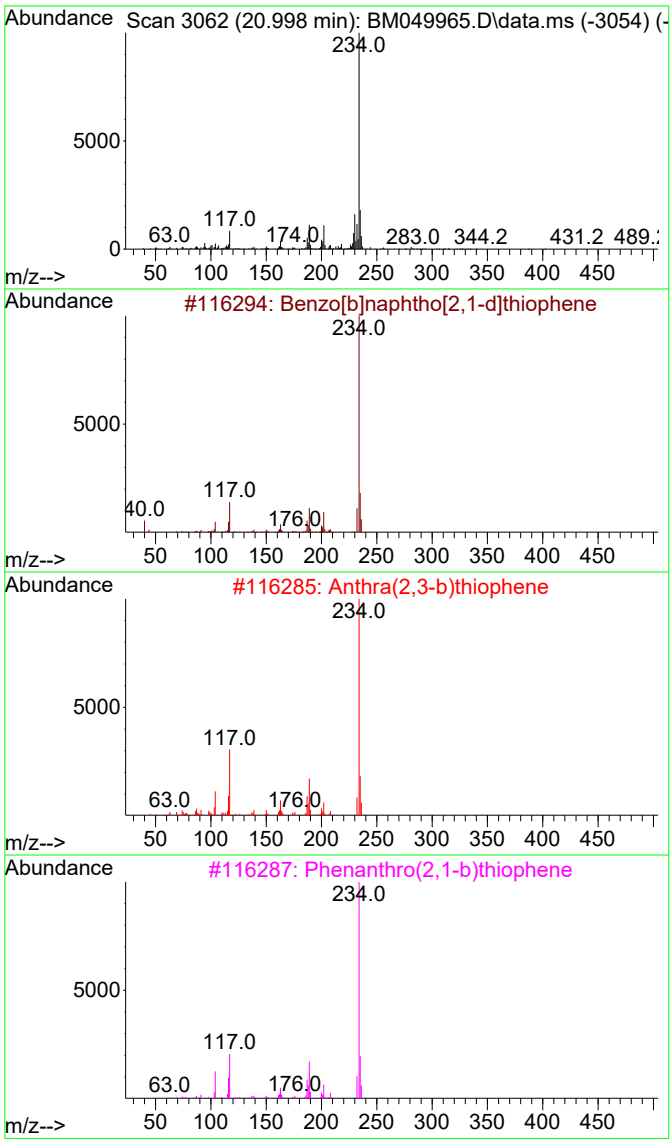
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

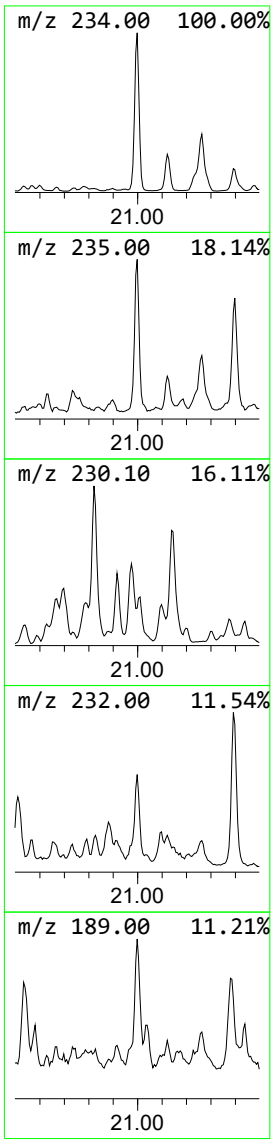
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.998	2.98 ng	1741000	Chrysene-d12	21.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	94
3	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	94
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
5	1,9,12-Trioxa-4,6-diazacyclotetr...	234	C9H18N2O3S	075491-64-4	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049965.D
Acq On : 18 Apr 2025 14:29
Operator : RC/JU
Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

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

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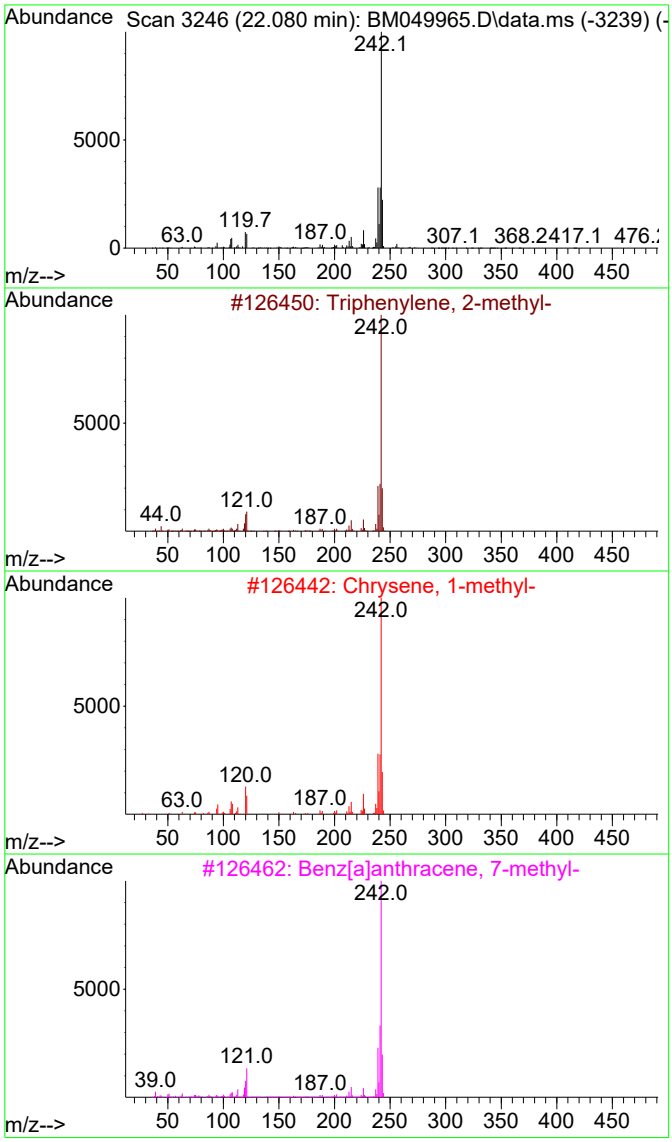
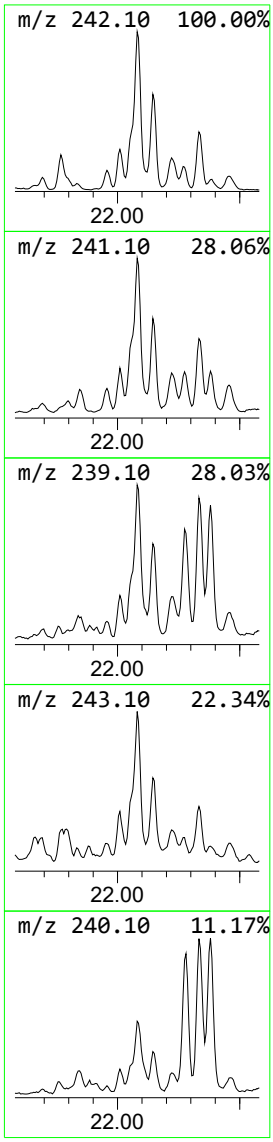
Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.080	3.11 ng	1818100	Chrysene-d12	21.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
4	2-Methylchrysene	242	C19H14	003351-32-4	91
5	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	91





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Data File : BM049965.D
Acq On : 18 Apr 2025 14:29
Operator : RC/JU
Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

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

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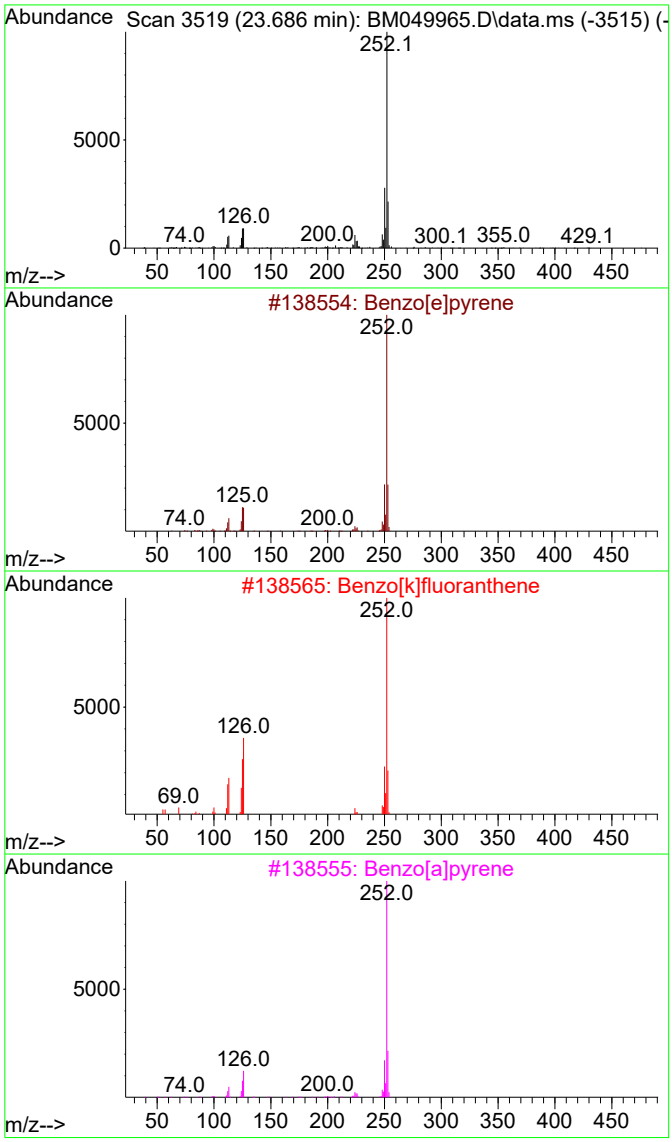
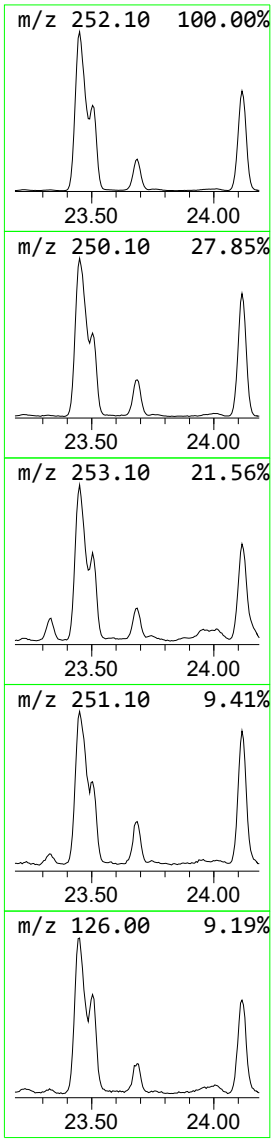
Peak Number 19 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.686	5.13 ng	1081080	Perylene-d12	24.392

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	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049965.D
Acq On : 18 Apr 2025 14:29
Operator : RC/JU
Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

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

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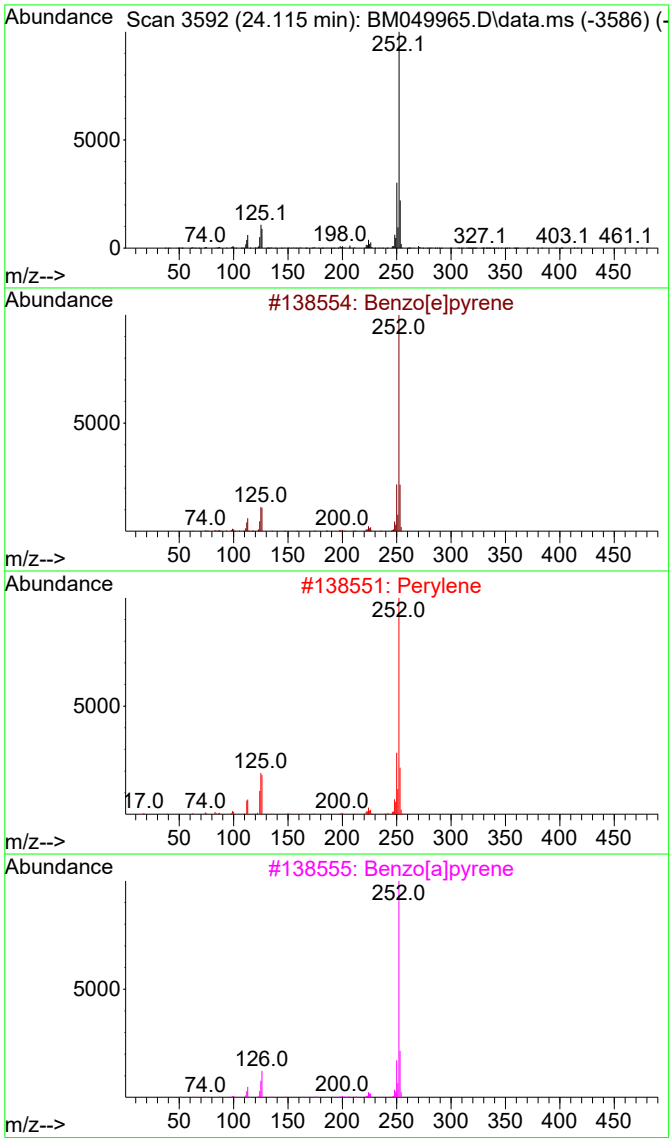
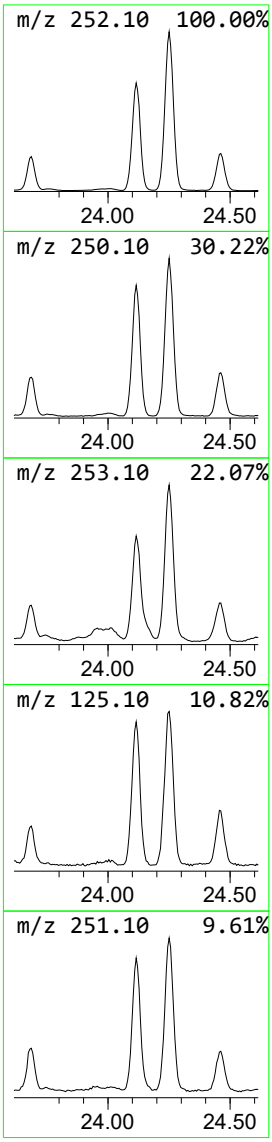
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.115	18.45 ng	3886320	Perylene-d12	24.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049965.D
Acq On : 18 Apr 2025 14:29
Operator : RC/JU
Sample : Q1830-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-2

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	9.5	ng	1311170	1	7.763	2754550	20.0
Eucalyptol	8.075	2.8	ng	387187	1	7.763	2754550	20.0
Benzophenone	15.769	13.1	ng	2646320	3	14.410	4050240	20.0
Phenanthrene, 1...	18.027	9.5	ng	1969150	4	17.151	4154030	20.0
4H-Cyclopenta[d...	18.221	14.8	ng	3073680	4	17.151	4154030	20.0
1H-Indene, 1-ph...	18.257	6.2	ng	1286910	4	17.151	4154030	20.0
Naphthalene, 2-...	18.533	4.2	ng	862532	4	17.151	4154030	20.0
9,10-Anthracene...	18.574	3.9	ng	808685	4	17.151	4154030	20.0
Phenanthrene, 3...	18.780	2.9	ng	605331	4	17.151	4154030	20.0
Phenanthrene, 2...	18.827	3.7	ng	767058	4	17.151	4154030	20.0
di-p-Tolylacety...	18.951	10.3	ng	2144730	4	17.151	4154030	20.0
9,10-Dimethylan...	19.010	6.0	ng	1254450	4	17.151	4154030	20.0
Cyclopenta(def)...	19.092	6.3	ng	1301880	4	17.151	4154030	20.0
Pyrene, 1-methyl-	19.904	3.5	ng	2038010	5	21.392	11691600	20.0
11H-Benzo[b]flu...	20.074	4.3	ng	2518300	5	21.392	11691600	20.0
Pyrene, 2-methyl-	20.233	3.6	ng	2111280	5	21.392	11691600	20.0
Benzo[b]naphtho...	20.998	3.0	ng	1741000	5	21.392	11691600	20.0
Triphenylene, 2...	22.080	3.1	ng	1818100	5	21.392	11691600	20.0
Benzo[e]pyrene	23.686	5.1	ng	1081080	6	24.392	4212380	20.0
Perylene	24.115	18.4	ng	3886320	6	24.392	4212380	20.0