LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047365.D
Acq On : 27 Aug 2024 15:57
Operator : RC/JU
Sample : P3745-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

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-BM082624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM047365.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.257	60	63	75	rVB	147099	225613	3.48%	0.241%
2	4.563	278	285	294	rBV	138215	203197	3.14%	0.217%
3	5.010	355	361	374	rBV	2048470	3070336	47.39%	3.279%
4	6.575	620	627	639	rBV	2259276	3677695	56.77%	3.928%
5	6.981	691	696	708	rBV2	80903	209078	3.23%	0.223%
6	7.351	748	759	768	rBV	989308	1536168	23.71%	1.641%
7	8.498	946	954	969	rBV	1402853	2330709	35.98%	2.489%
8	9.081	1048	1053	1060	rBV3	44011	88826	1.37%	0.095%
9	10.104	1218	1227	1233	rBV	1266086	2081935	32.14%	2.223%
10	10.869	1349	1357	1369	rBV	166005	350153	5.40%	0.374%
11	11.780	1505	1512	1521	rVB2	39769	74137	1.14%	0.079%
12	12.004	1545	1550	1561	rVB	35886	73498	1.13%	0.078%
13	12.616	1647	1654	1664	rVB	3977437	5880444	90.77%	6.280%
14	13.169	1742	1748	1756	rBV3	90005	236980	3.66%	0.253%
15	13.327	1769	1775	1780	rBV	170729	291675	4.50%	0.312%
16	13.380	1780	1784	1787	rVV	105817	157458	2.43%	0.168%
17	13.416	1787	1790	1794	rVB	74631	93161	1.44%	0.099%
18	13.463	1794	1798	1803	rBV	61614	90001	1.39%	0.096%
19	13.563	1810	1815	1819	rBV	83998	127583	1.97%	0.136%
20	13.733	1839	1844	1852	rVB	209231	355019	5.48%	0.379%
21	13.833	1857	1861	1869	rVB2	59355	94301	1.46%	0.101%
22	14.016	1886	1892	1898	rVB	1923451	2846447	43.94%	3.040%
23	14.074	1898	1902	1906	rBV2	112987	171782	2.65%	0.183%
24	14.245	1924	1931	1939	rBV4	379293	957985	14.79%	1.023%
25	14.321	1939	1944	1952	rVB4	75098	141816	2.19%	0.151%
26	14.427	1954	1962	1969	rVB2	245071	445258	6.87%	0.476%
27	14.504	1969	1975	1980	rVB	339973	468240	7.23%	0.500%
28	14.563	1981	1985	1991	rVB5	48042	70711	1.09%	0.076%
29	14.645	1993	1999	2005	rBV2	273650	529793	8.18%	0.566%
30	14.698	2005	2008	2013	rVB	164618	214761	3.31%	0.229%
31	14.816	2020	2028	2031	rBV3	147614	353544	5.46%	0.378%
32	14.851	2031	2034	2039	rVB2	169260	218853	3.38%	0.234%
33	14.898	2039	2042	2047	rBV2	58564	84924	1.31%	0.091%
34	14.986	2051	2057	2060	rBV3	118313	206884	3.19%	0.221%
35	15.074	2066	2072	2077	rBV3	227655	401936	6.20%	0.429%
36	15.127	2077	2081	2085	rBV3	49423	74358	1.15%	0.079%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047365.D
Acq On : 27 Aug 2024 15:57
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Sample : P3745-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

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-BM082624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.174	2085	2089	2090	rBV2	83919	109881	1.70%	0.117%
38	15.198	2090	2093	2097	rVV2	172577	228211	3.52%	0.244%
39	15.233	2097	2099	2105	rVB4	54470	88107	1.36%	0.094%
40	15.292	2105	2109	2117	rVB5	125802	248129	3.83%	0.265%
41	15.374	2117	2123	2125	rBV2	108630	194707	3.01%	0.208%
42	15.527	2141	2149	2158	rVV2	3348171	5191418	80.13%	5.544%
43	15.598	2158	2161	2171	rVB2	109115	213442	3.29%	0.228%
44	15.763	2185	2189	2199	rVB3	252950	464122	7.16%	0.496%
45	15.898	2208	2212	2216	rVB	167899	203166	3.14%	0.217%
46	15.939	2216	2219	2224	rBV5	84944	135575	2.09%	0.145%
47	16.086	2237	2244	2249	rBV3	316485	652363	10.07%	0.697%
48	16.139	2249	2253	2259	rBV3	231034	364882	5.63%	0.390%
49	16.233	2267	2269	2275	rVB3	210833	301081	4.65%	0.322%
50	16.292	2275	2279	2281	rBV	130094	162838	2.51%	0.174%
51	16.327	2282	2285	2287	rVV3	103108	151145	2.33%	0.161%
52	16.357	2287	2290	2294	rVB4	128201	195968	3.02%	0.209%
53	16.445	2301	2305	2310	rBV4	123525	209508	3.23%	0.224%
54	16.515	2314	2317	2323	rBV5	128636	229909	3.55%	0.246%
55	16.598	2328	2331	2341	rVB	223689	428503	6.61%	0.458%
56	16.780	2356	2362	2366	rBV	2311906	3239255	50.00%	3.459%
57	16.821	2366	2369	2374	rVB	1597832	2049464	31.63%	2.189%
58	16.915	2380	2385	2390	rVB	647217	915678	14.13%	0.978%
59	16.980	2391	2396	2401	rBV2	224408	479277	7.40%	0.512%
60	17.027	2401	2404	2407	rVV3	77839	87133	1.34%	0.093%
61	17.057	2407	2409	2413	rVV2	69791	87832	1.36%	0.094%
62	17.198	2428	2433	2437	rBV3	160809	297295	4.59%	0.318%
63	17.304	2448	2451	2455	rBV	128621	138642	2.14%	0.148%
64	17.362	2455	2461	2465	rBV	413620	606429	9.36%	0.648%
65	17.509	2480	2486	2491	rVB2	288054	573489	8.85%	0.612%
66	17.657	2506	2511	2516	rBV	948180	1444995	22.30%	1.543%
67	17.709	2516	2520	2528	rVV2	1621839	2363216	36.48%	2.524%
68	17.786	2529	2533	2538	rVV	502448	803705	12.41%	0.858%
69	17.851	2538	2544	2548	rVV2	1410040	2563047	39.56%	2.737%
70	17.886	2548	2550	2560	rVB	713408	999601	15.43%	1.068%
71	18.062	2576	2580	2584	rVB3	227182	301145	4.65%	0.322%
72	18.168	2594	2598	2601	rBV2	337546	440554	6.80%	0.471%
73	18.292	2616	2619	2622	rBV	141411	175927	2.72%	0.188%
74	18.386	2632	2635	2638	rBV2	200381	307994	4.75%	0.329%
75	18.421	2638	2641	2645	rVV	397397	542058	8.37%	0.579%
76	18.474	2646	2650	2653	rVV	494269	715542	11.04%	0.764%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047365.D
Acq On : 27 Aug 2024 15:57
Operator : RC/JU
Sample : P3745-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

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-BM082624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	18.509	2653	2656	2661	rVB2	334205	478349	7.38%	0.511%
78	18.598	2666	2671	2675	rBV	1000851	1664306	25.69%	1.777%
79	18.656	2675	2681	2684	rVV3	557637	1025067	15.82%	1.095%
80	18.686	2684	2686	2690	rVB	287142	327937	5.06%	0.350%
81	18.739	2690	2695	2702	rBV3	382034	951673	14.69%	1.016%
82	18.862	2711	2716	2720	rBV	2429096	3352561	51.75%	3.580%
83	18.962	2731	2733	2738	rVB3	164765	190323	2.94%	0.203%
84	19.015	2739	2742	2746	rVV2	258644	301079	4.65%	0.322%
85	19.109	2754	2758	2762	rBV3	217543	324648	5.01%	0.347%
86	19.151	2762	2765	2769	rVB2	190659	227083	3.51%	0.243%
87	19.227	2770	2778	2788	rBV	4210222	6478492	100.00%	6.919%
88	19.315	2789	2793	2799	rVB2	396867	633674	9.78%	0.677%
89	19.451	2811	2816	2820	rBV	5042081	6403480	98.84%	6.839%
90	19.562	2832	2835	2847	rVB2	391282	820139	12.66%	0.876%
91	19.703	2855	2859	2860	rBV3	279860	380853	5.88%	0.407%
92	19.733	2862	2864	2869	rVB2	603864	726314	11.21%	0.776%
93	19.839	2878	2882	2885	rVB2	441042	529042	8.17%	0.565%
94	19.898	2888	2892	2895	rVB	692323	878103	13.55%	0.938%
95	20.033	2911	2915	2919	rBV	635237	788943	12.18%	0.843%
96	20.080	2919	2923	2927	rVB	659789	801712	12.37%	0.856%
97	21.021	3077	3083	3087	rBV2	2170649	4087830	63.10%	4.366%
98	21.062	3087	3090	3098	rVB	937910	1323561	20.43%	1.414%
99	23.597	3517	3521	3531	rVB	698717	1443270	22.28%	1.541%
100	23.727	3538	3543	3550	rVB	1063728	2155743	33.28%	2.302%

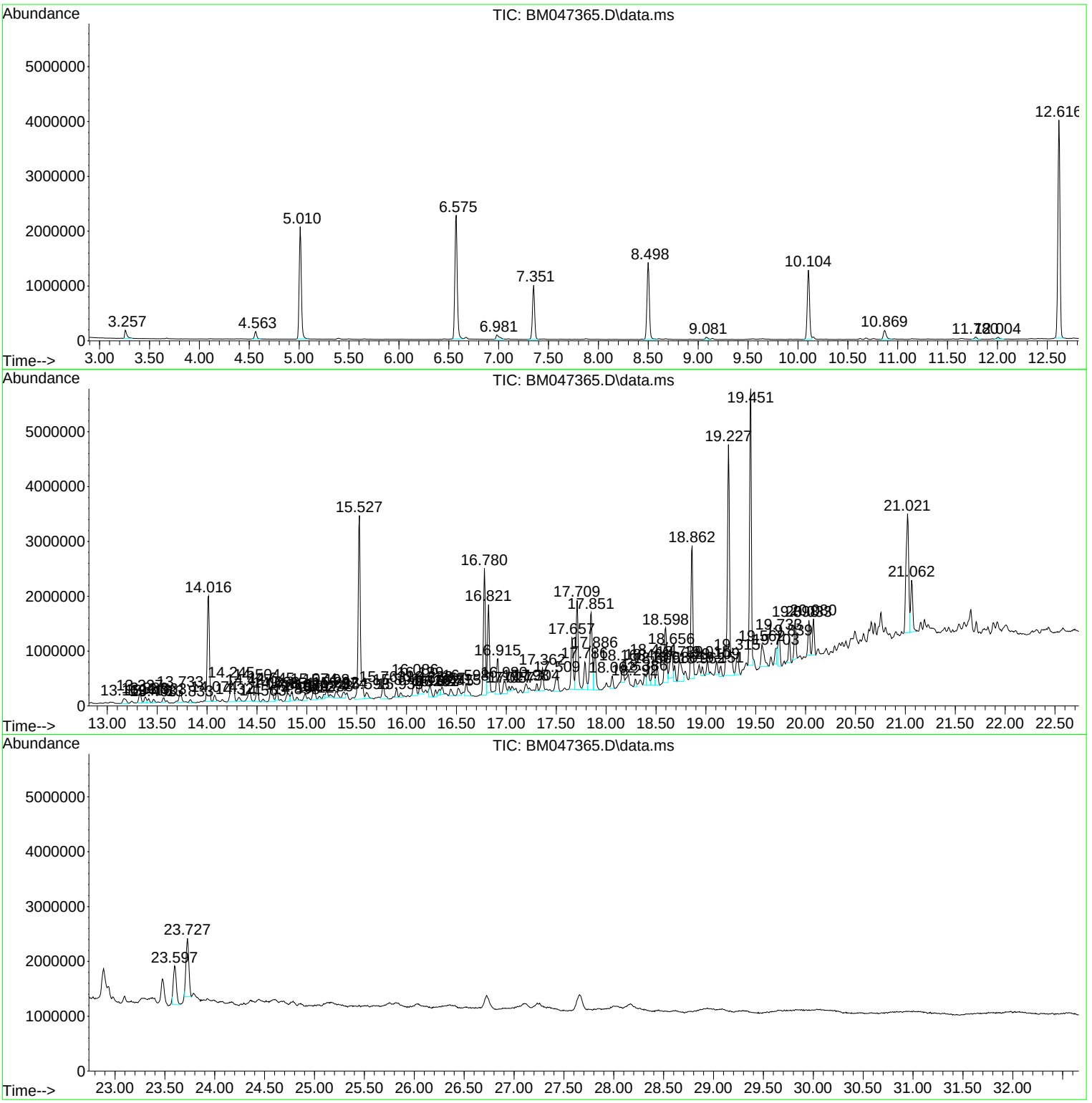
Sum of corrected areas: 93634674

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047365.D
Acq On : 27 Aug 2024 15:57
Operator : RC/JU
Sample : P3745-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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\BM082724\
Data File : BM047365.D
Acq On : 27 Aug 2024 15:57
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Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

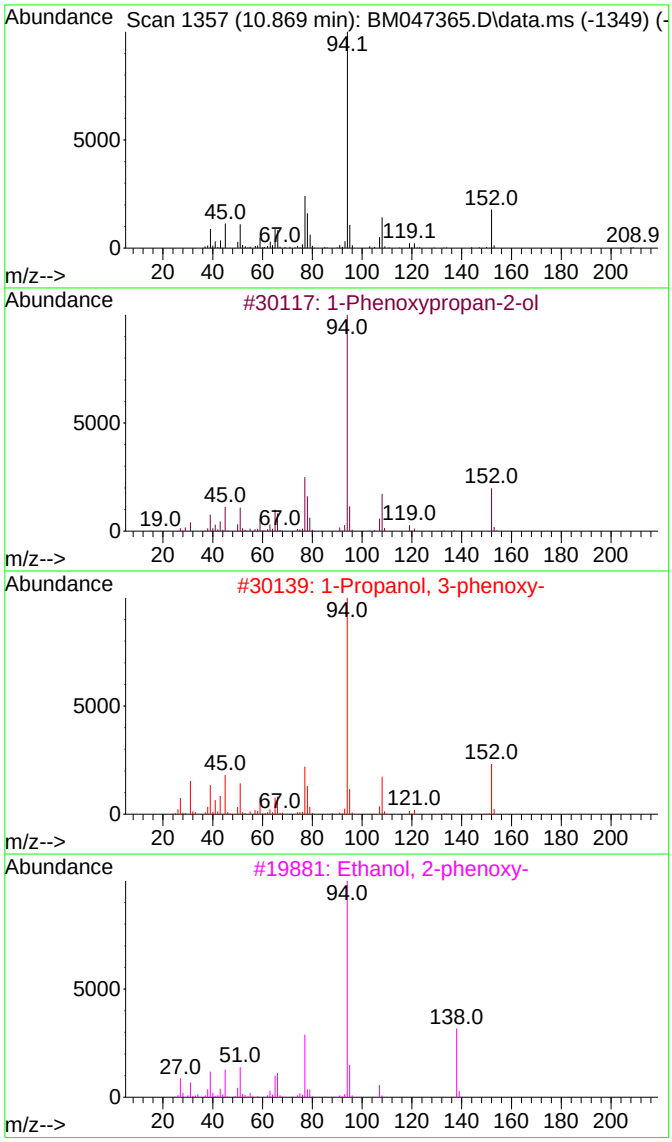
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

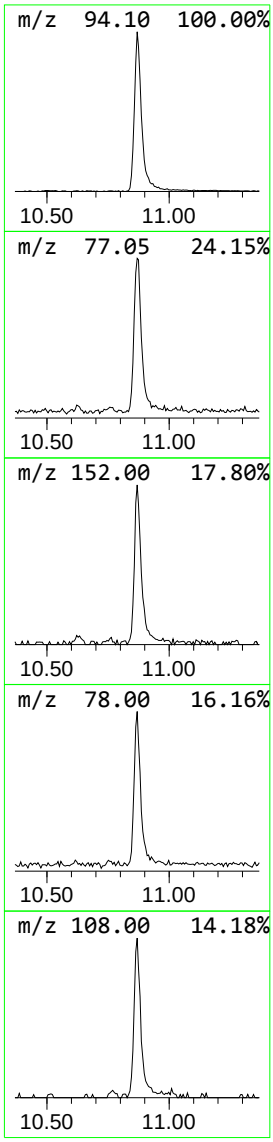
****

Peak Number 1 1-Phenoxypropan-2-ol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.869	3.36 ng	350153	Naphthalene-d8	10.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenoxypropan-2-ol	152	C9H12O2	000770-35-4	97
2	1-Propanol, 3-phenoxy-	152	C9H12O2	006180-61-6	90
3	Ethanol, 2-phenoxy-	138	C8H10O2	000122-99-6	64
4	1-Propanol, 2-phenoxy-	152	C9H12O2	004169-04-4	59
5	Benzene, (1-methylpropoxy)-	150	C10H14O	010574-17-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047365.D
Acq On : 27 Aug 2024 15:57
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Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

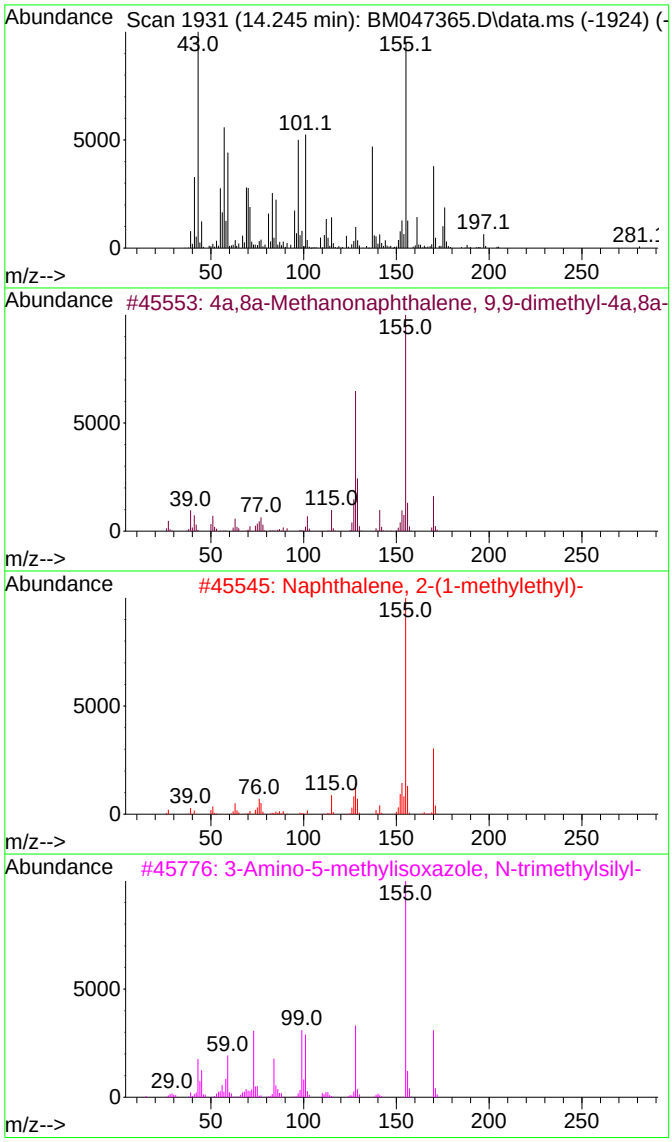
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

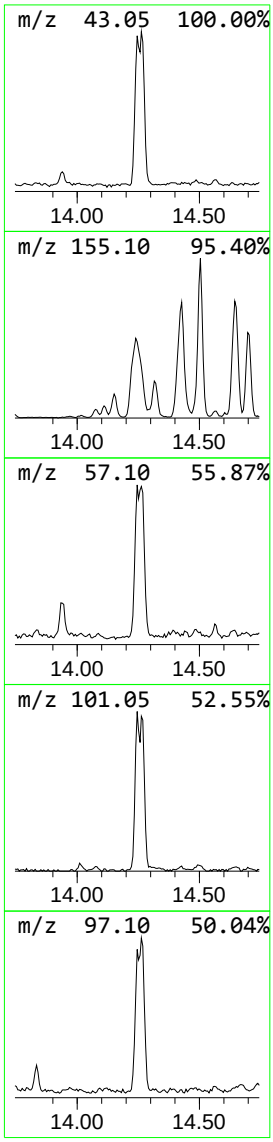
****

Peak Number 2 unknown14.245 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.245	6.73 ng	957985	Acenaphthene-d10	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4a,8a-Methanonaphthalene, 9,9-di...	170	C13H14	038963-97-2	38
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	38
3	3-Amino-5-methylisoxazole, N-tri...	170	C7H14N2OSi	099356-57-7	35
4	Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	25
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047365.D
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Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

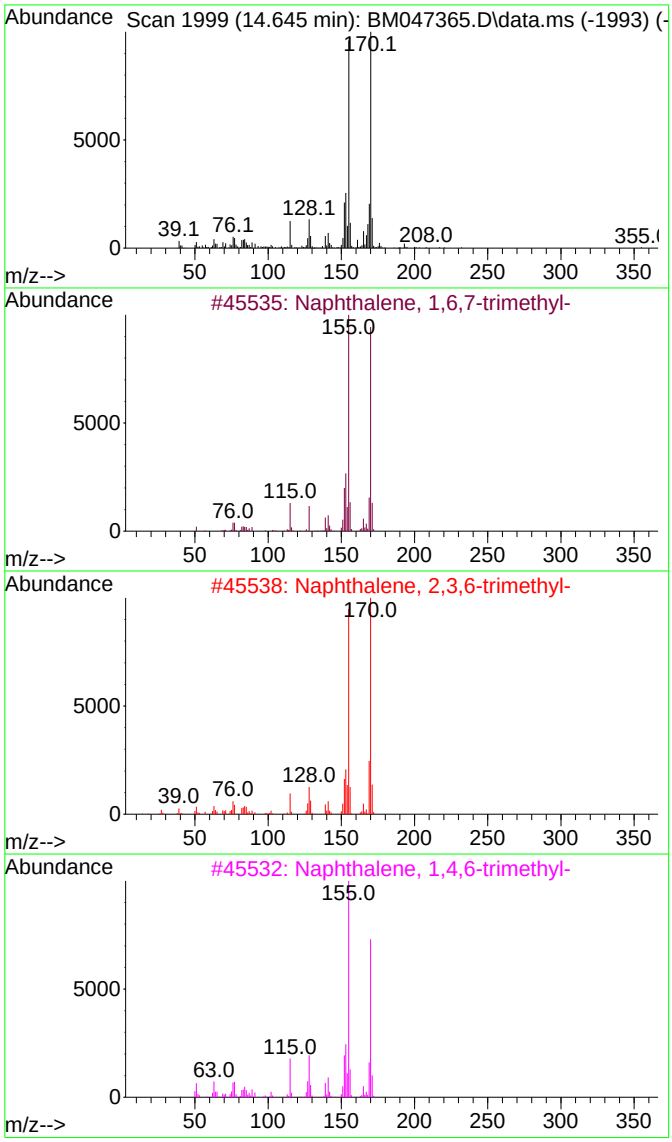
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

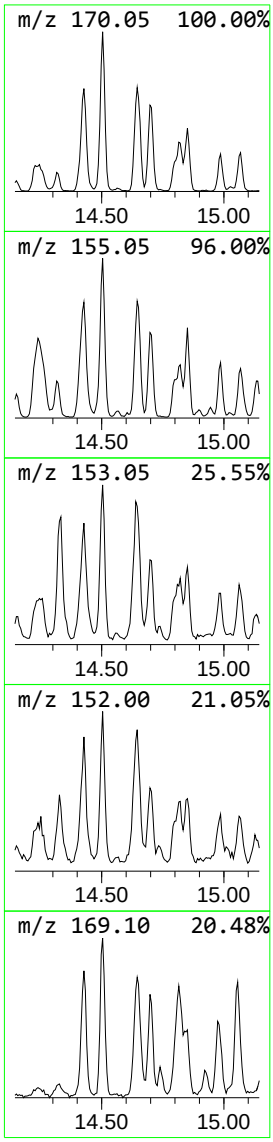
****

Peak Number 3 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	3.72 ng	529793	Acenaphthene-d10	14.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047365.D
Acq On : 27 Aug 2024 15:57
Operator : RC/JU
Sample : P3745-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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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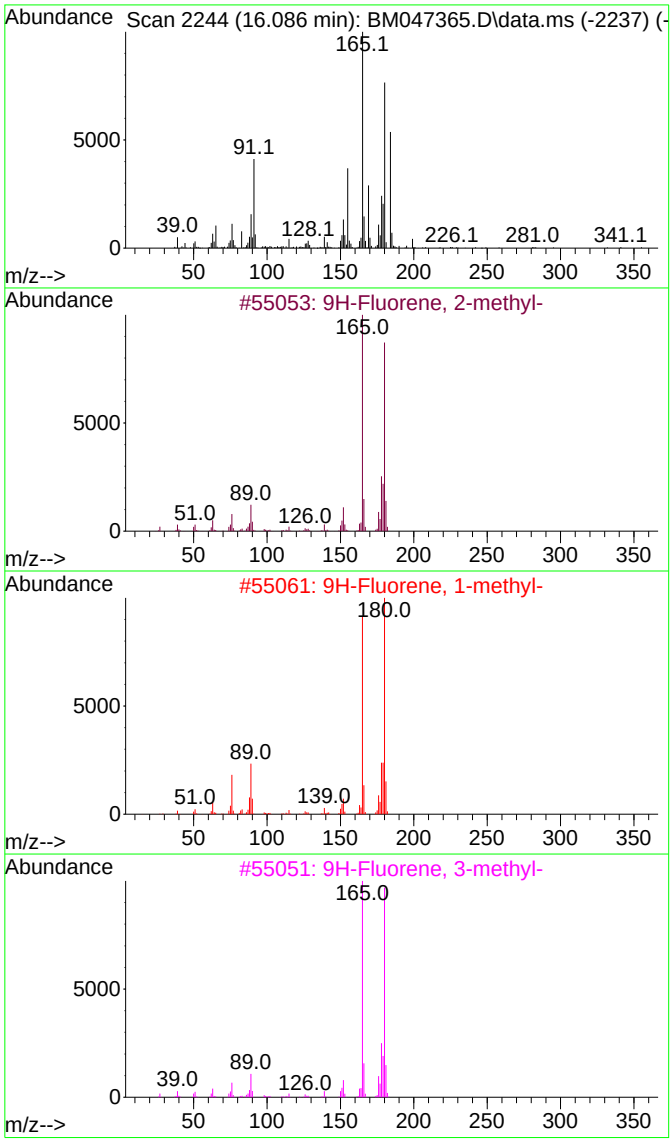
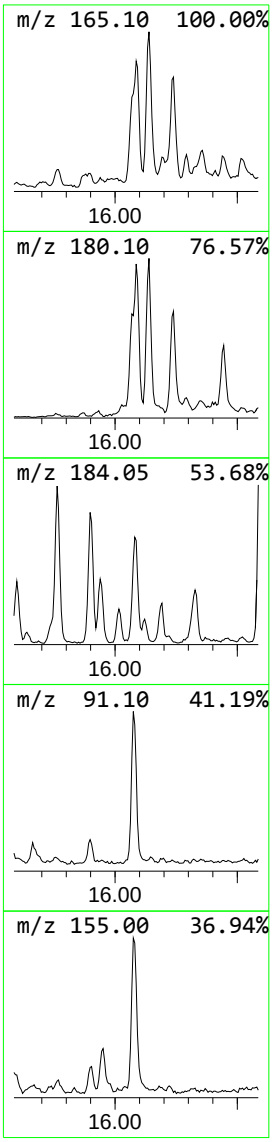
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.086	4.03 ng	652363	Phenanthrene-d10	16.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	78
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	78
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047365.D
Acq On : 27 Aug 2024 15:57
Operator : RC/JU
Sample : P3745-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

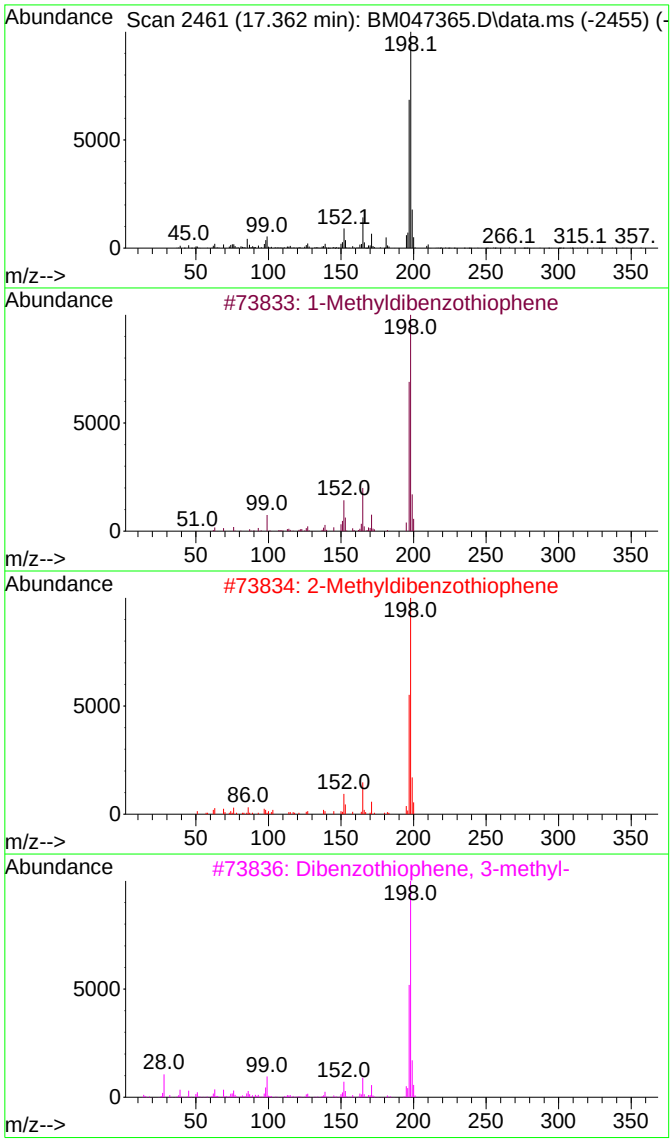
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

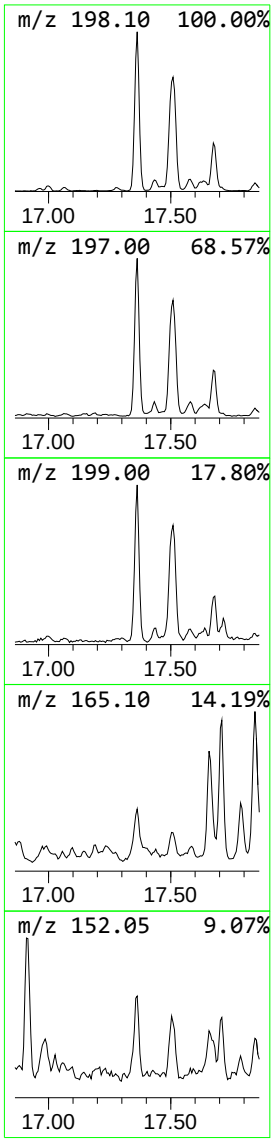
****

Peak Number 5 1-Methyldibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.363	3.74 ng	606429	Phenanthrene-d10	16.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





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Operator : RC/JU
Sample : P3745-01
Misc :
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ClientSampleId :
CM-SOIL-PILE

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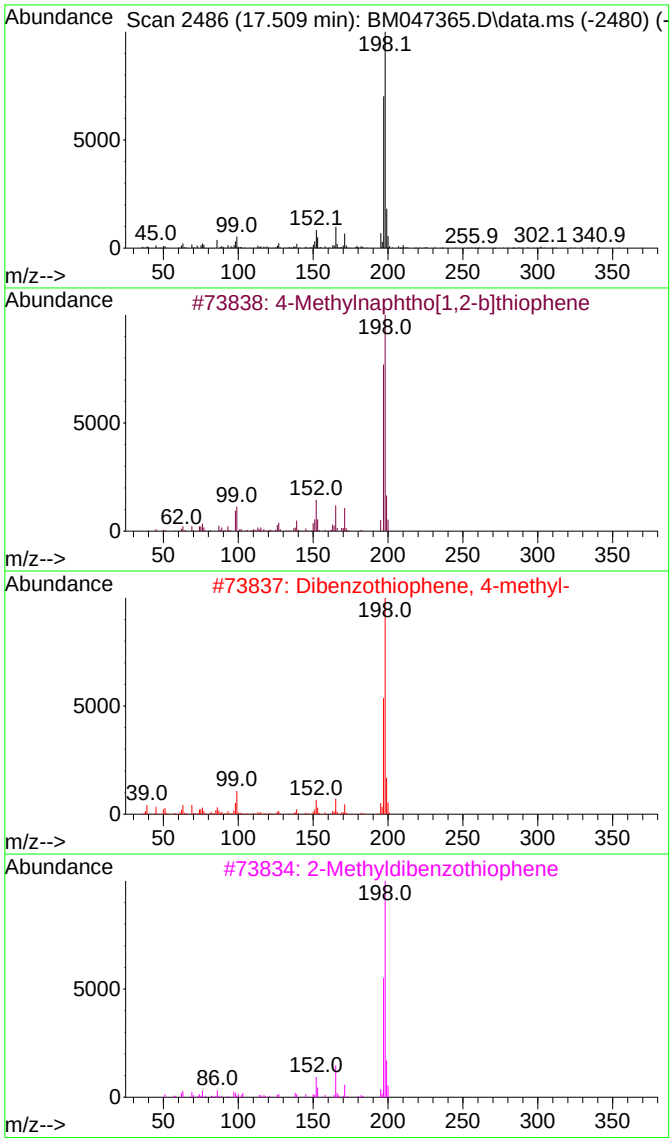
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

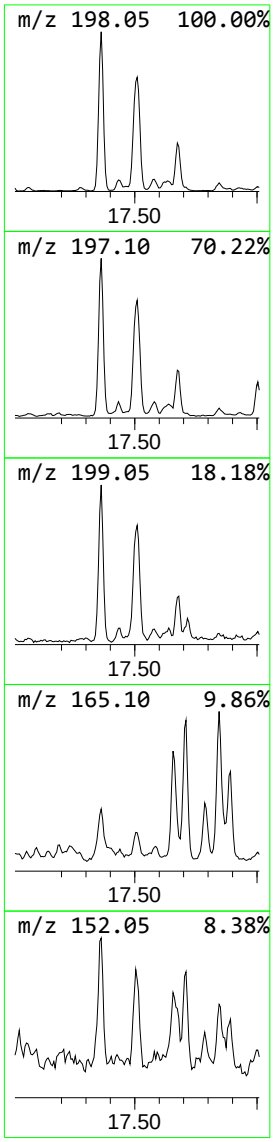
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.509	3.54 ng	573489	Phenanthrene-d10	16.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	97
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90





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Sample : P3745-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CM-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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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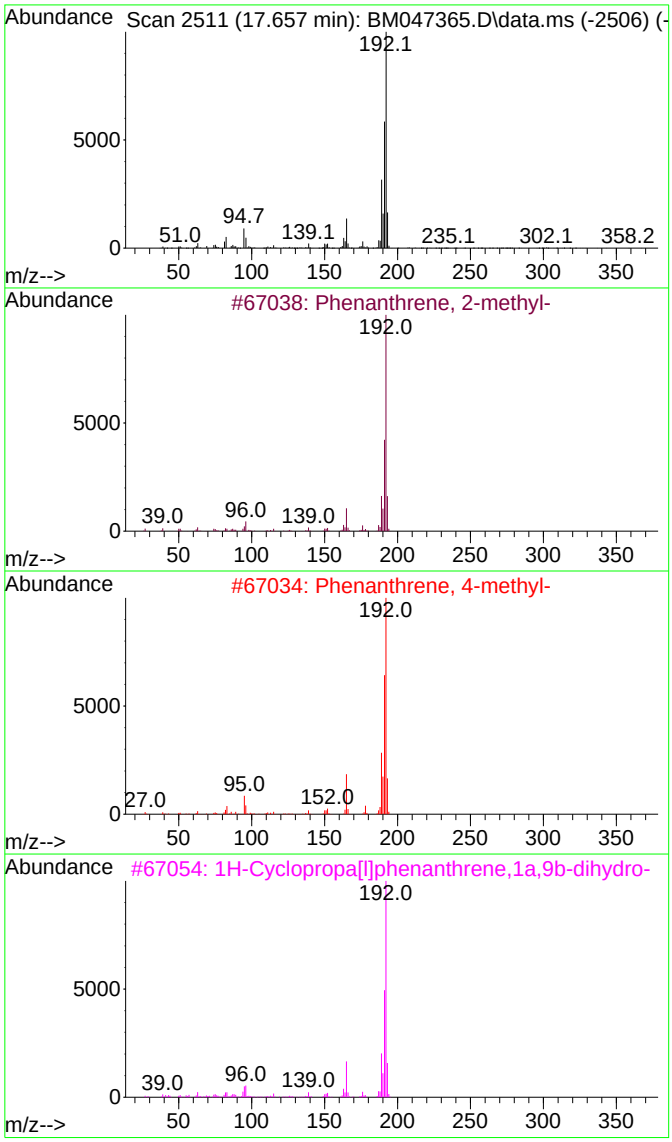
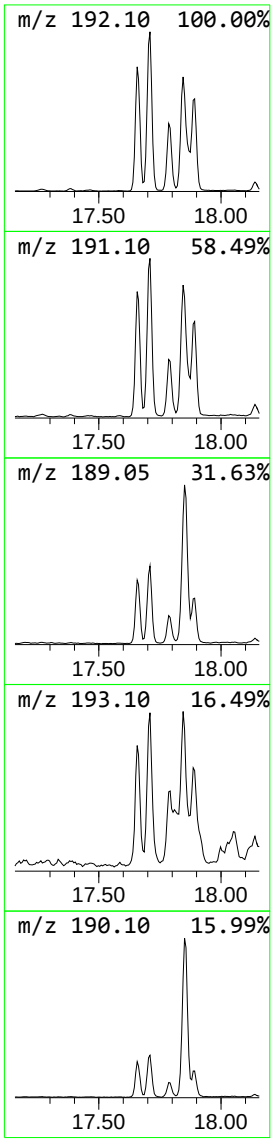
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.657	8.92 ng	1445000	Phenanthrene-d10	16.780

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





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CM-SOIL-PILE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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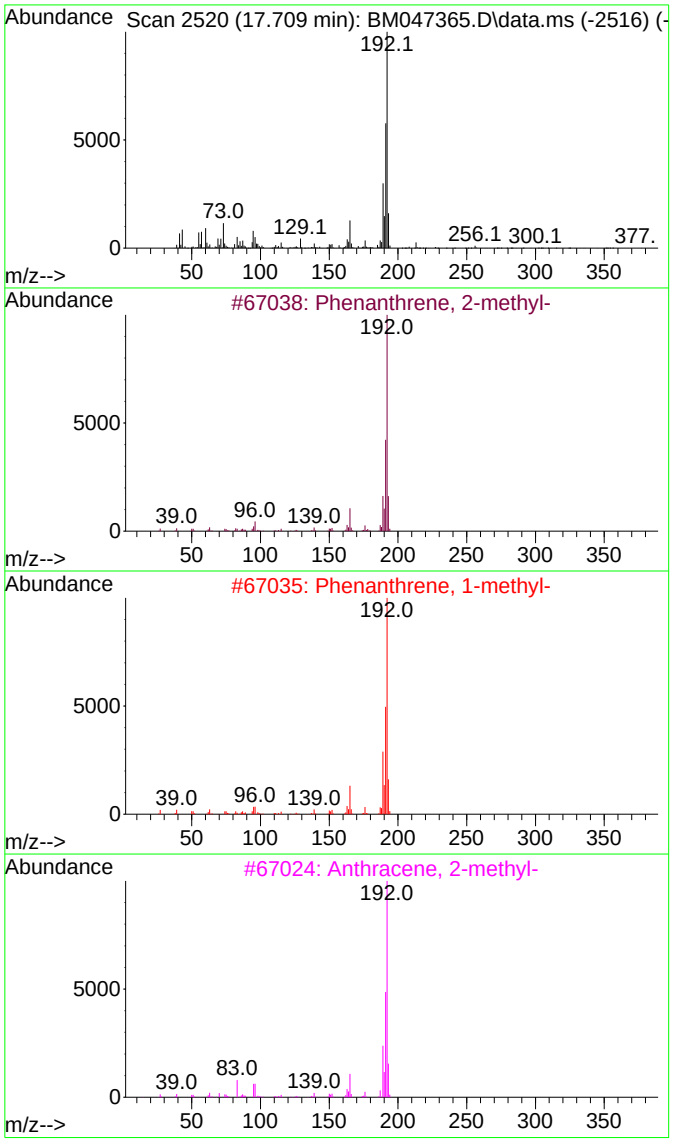
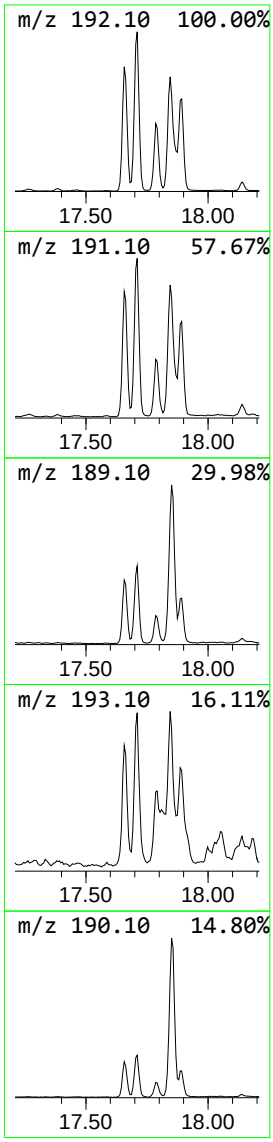
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.709	14.59 ng	2363220	Phenanthrene-d10	16.780

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	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CM-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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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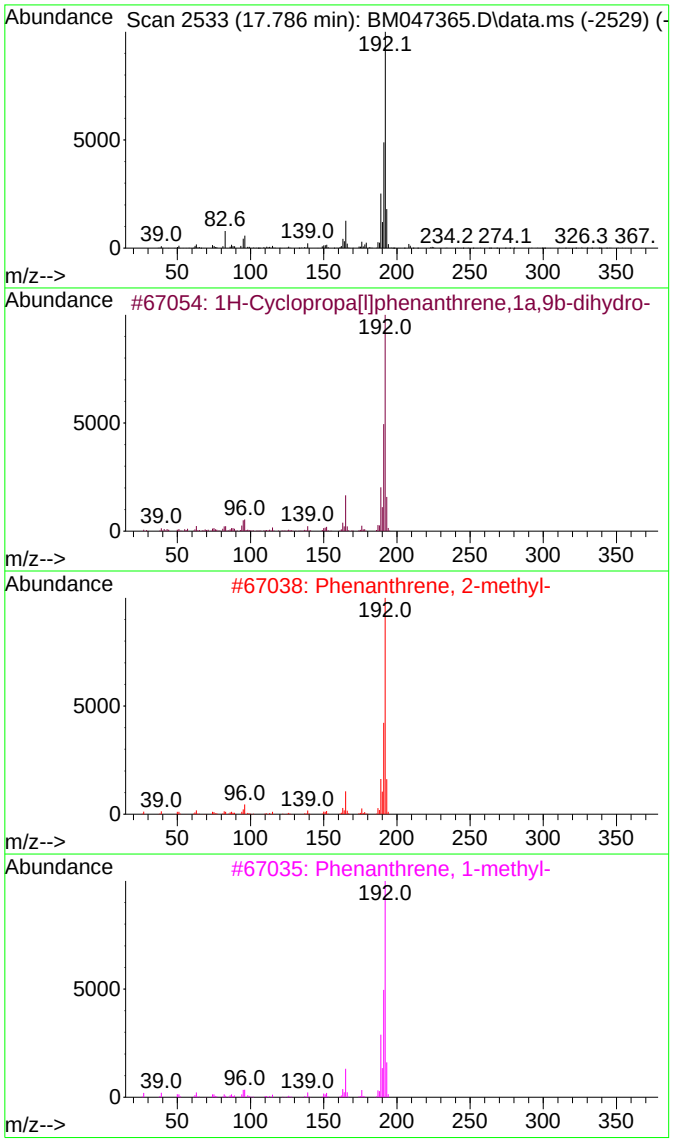
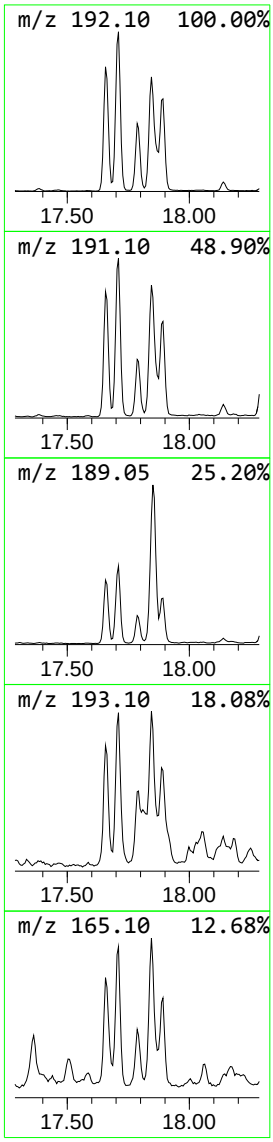
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.786	4.96 ng	803705	Phenanthrene-d10	16.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96





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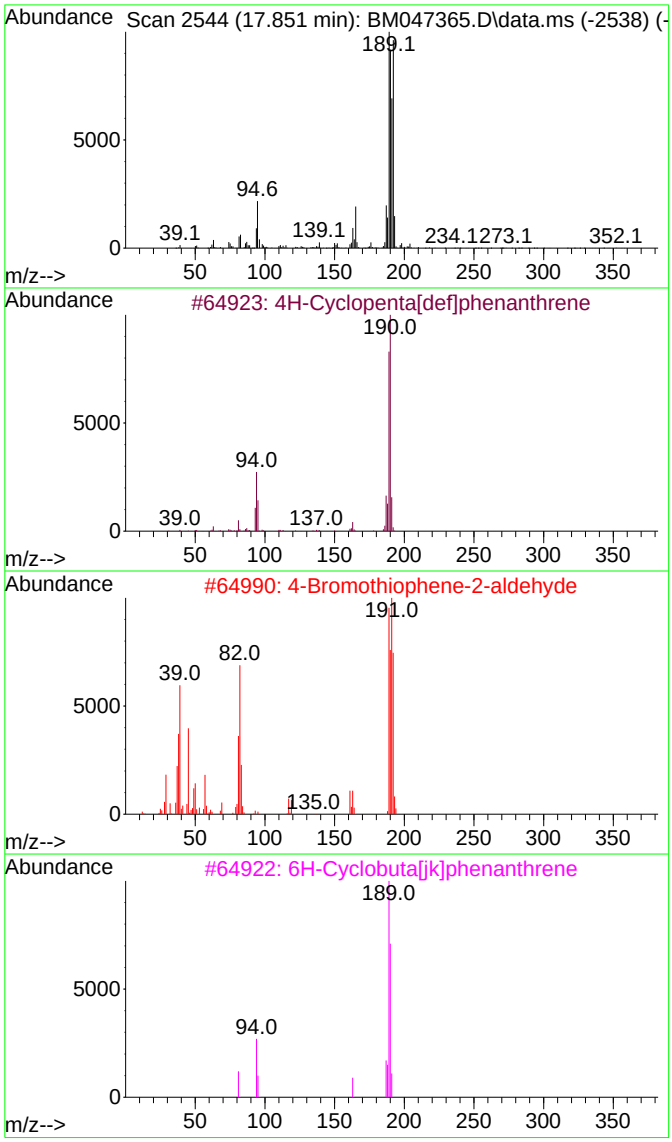
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

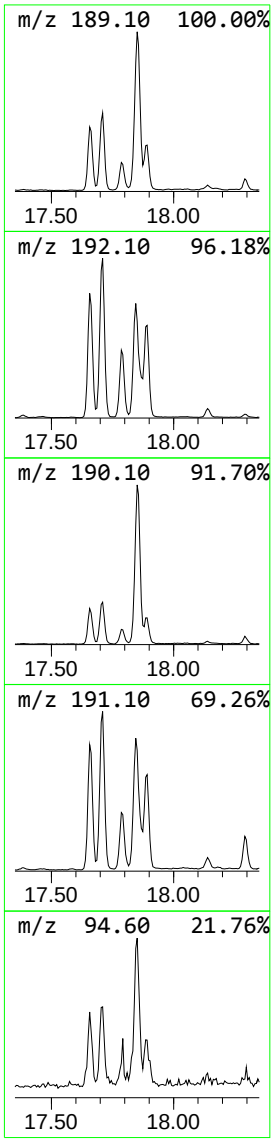
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.851	15.82 ng	2563050	Phenanthrene-d10	16.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	58
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Misc :
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Instrument :
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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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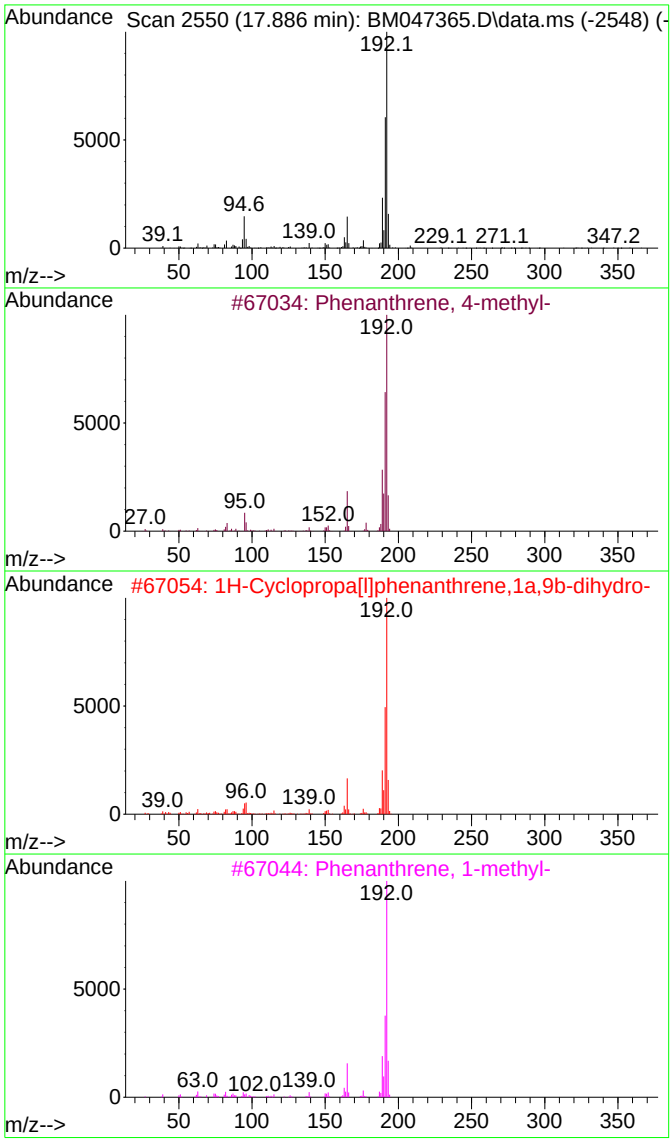
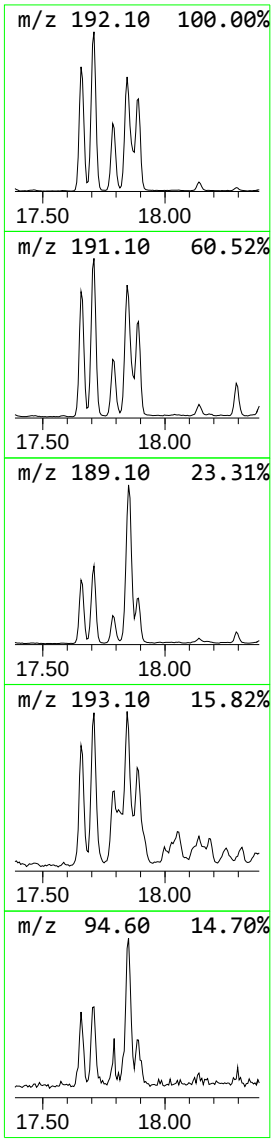
Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.886	6.17 ng	999601	Phenanthrene-d10	16.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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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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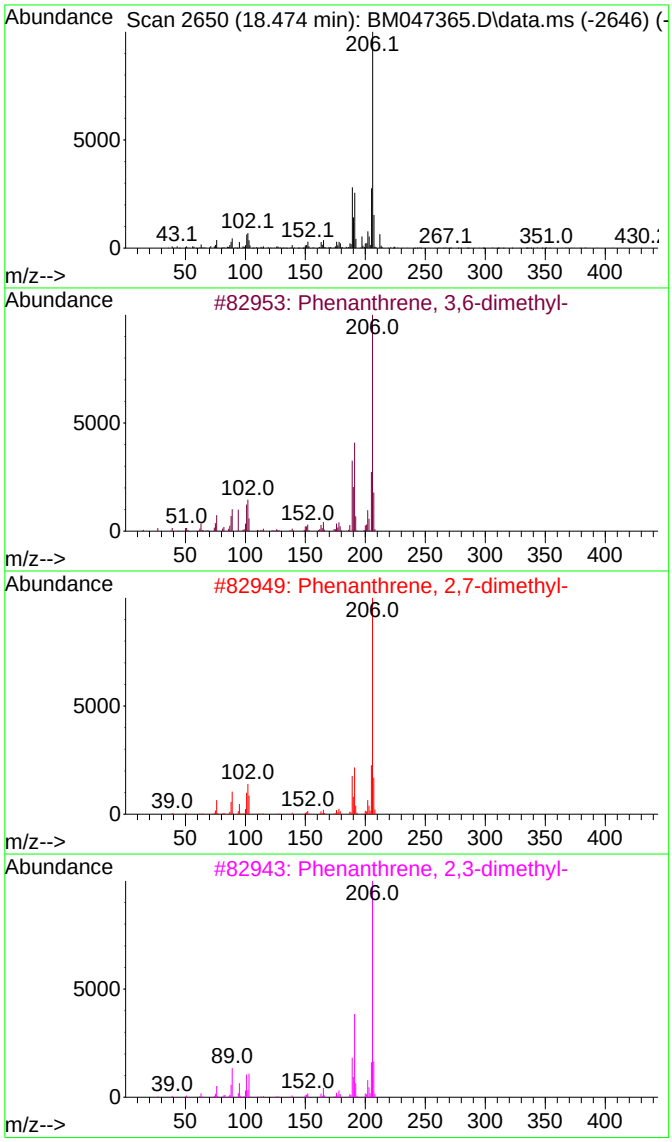
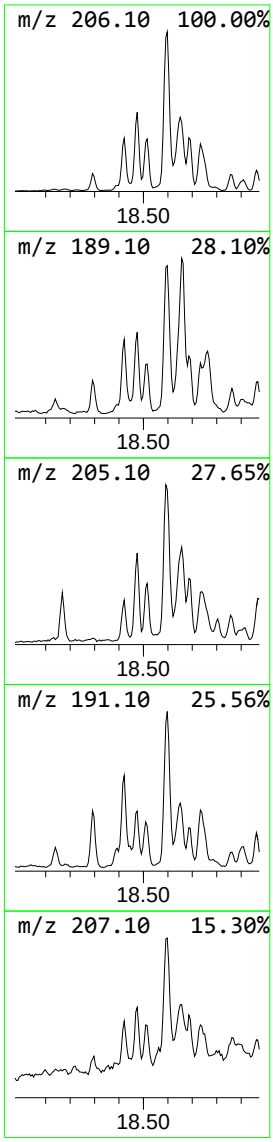
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.474	4.42 ng	715542	Phenanthrene-d10	16.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	74





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ALS Vial : 12 Sample Multiplier: 1

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

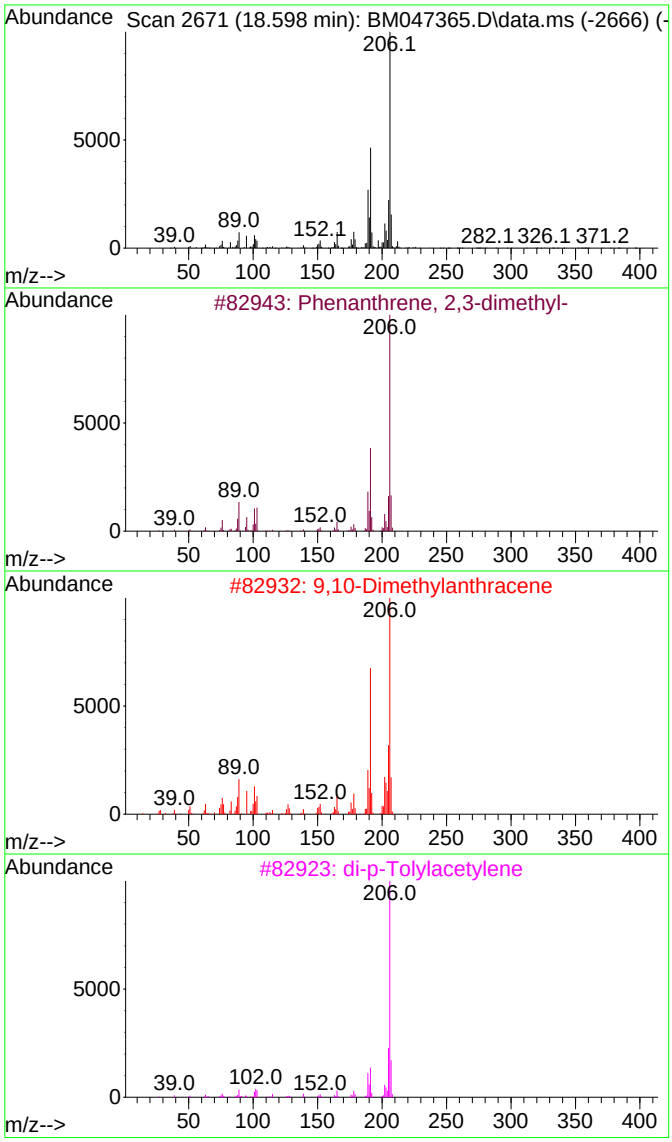
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

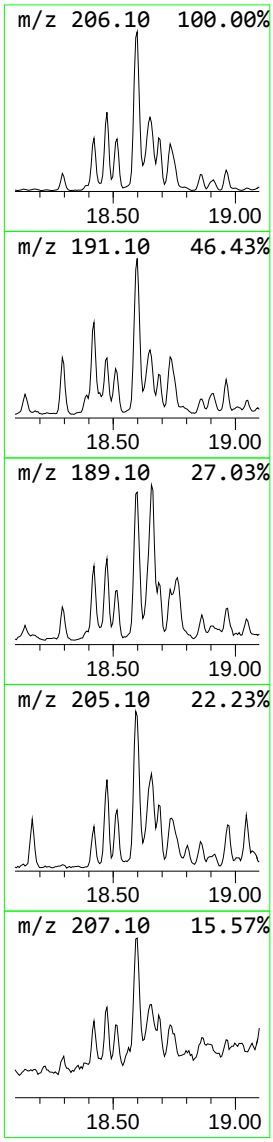
****

Peak Number 13 Phenanthrene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.598	10.28 ng	1664310	Phenanthrene-d10	16.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :
CM-SOIL-PILE

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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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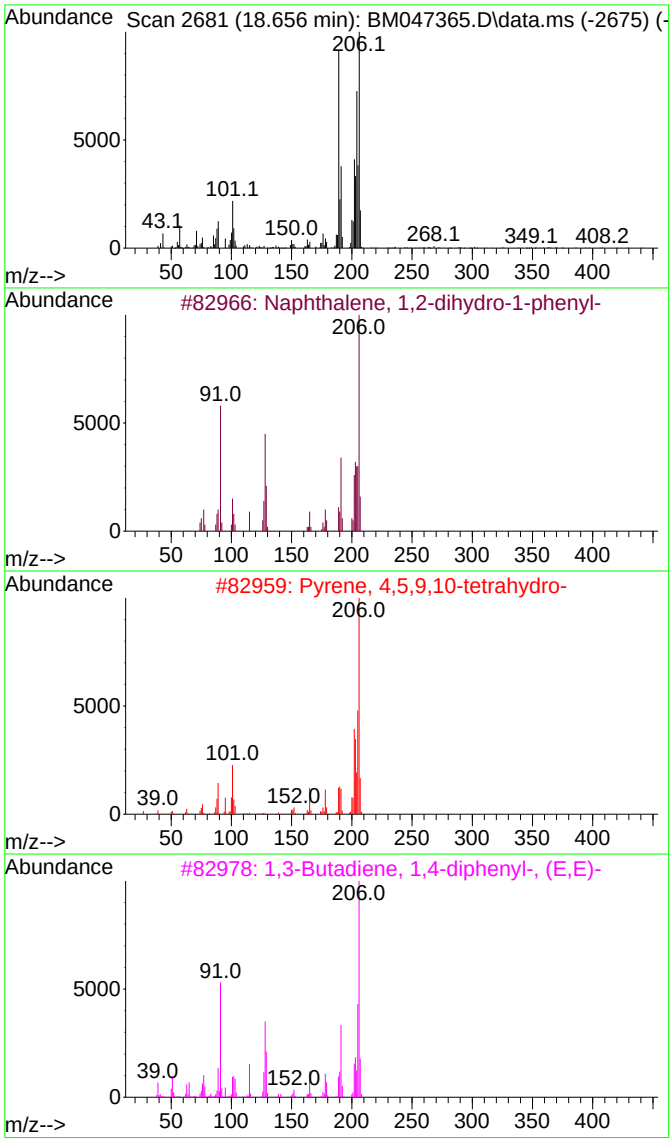
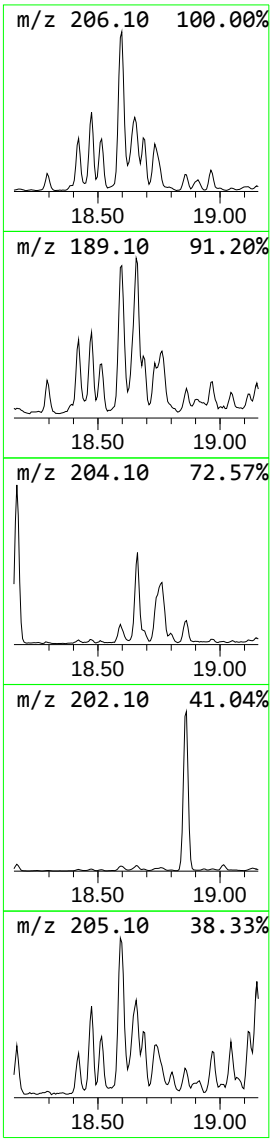
Peak Number 14 unknown18.657 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.657	6.33 ng	1025070	Phenanthrene-d10	16.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	45
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	41
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38





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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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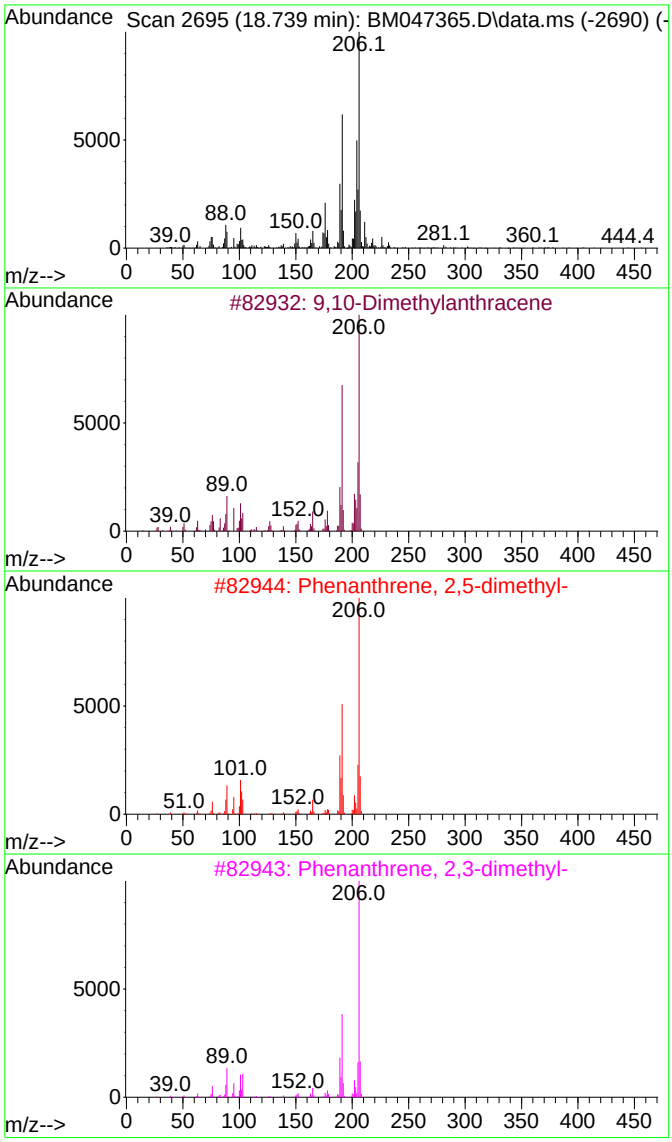
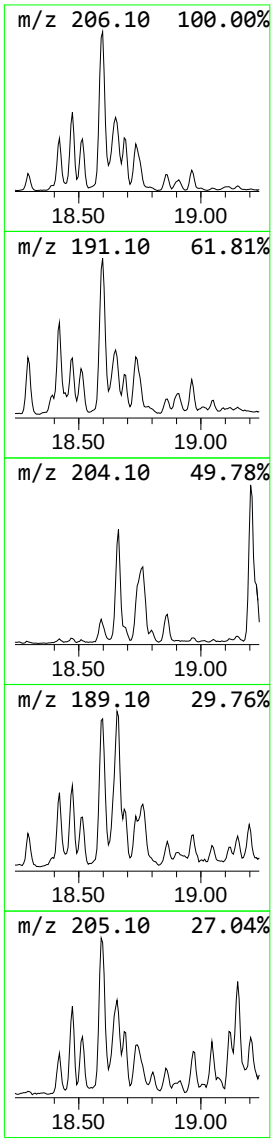
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.739	5.88 ng	951673	Phenanthrene-d10	16.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	60
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	60
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	55





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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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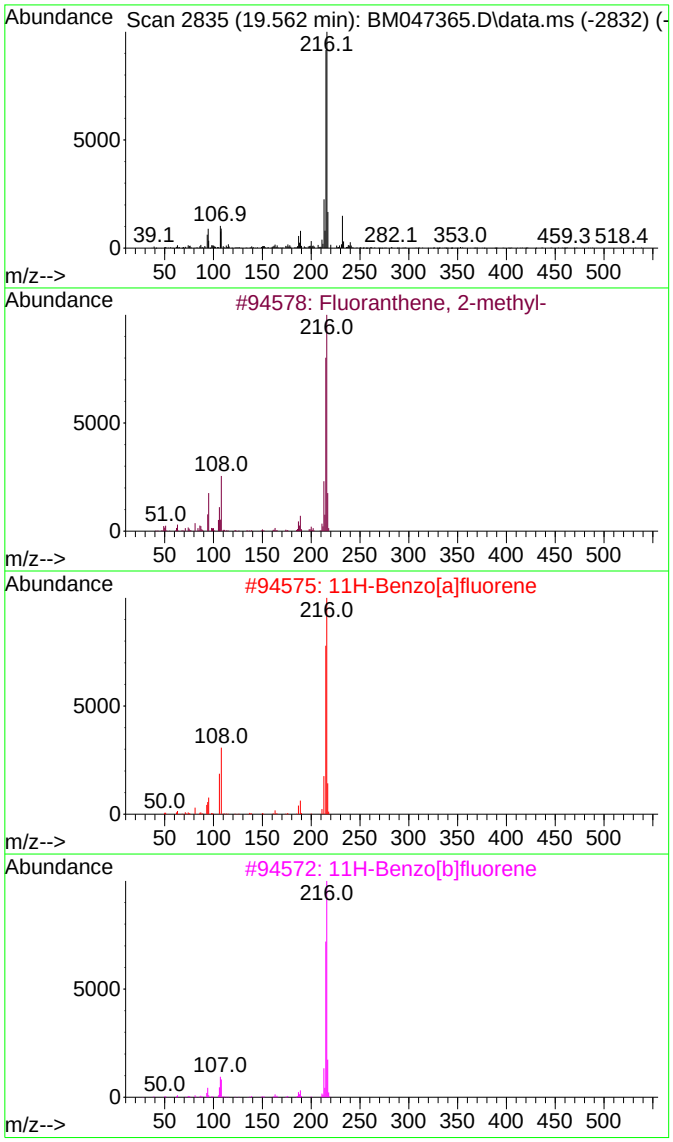
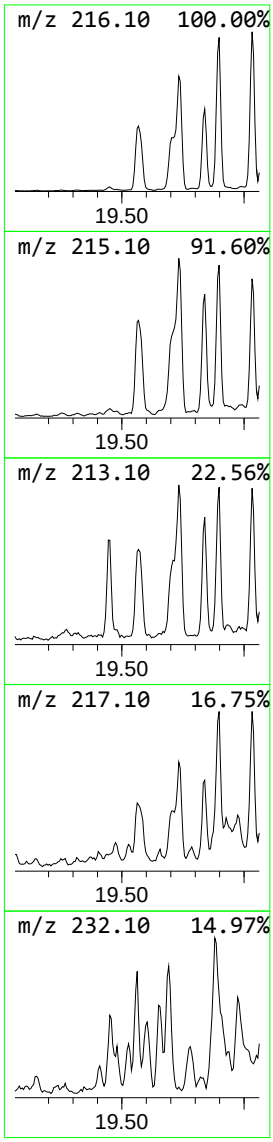
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.562	4.01 ng	820139	Chrysene-d12	21.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Operator : RC/JU
Sample : P3745-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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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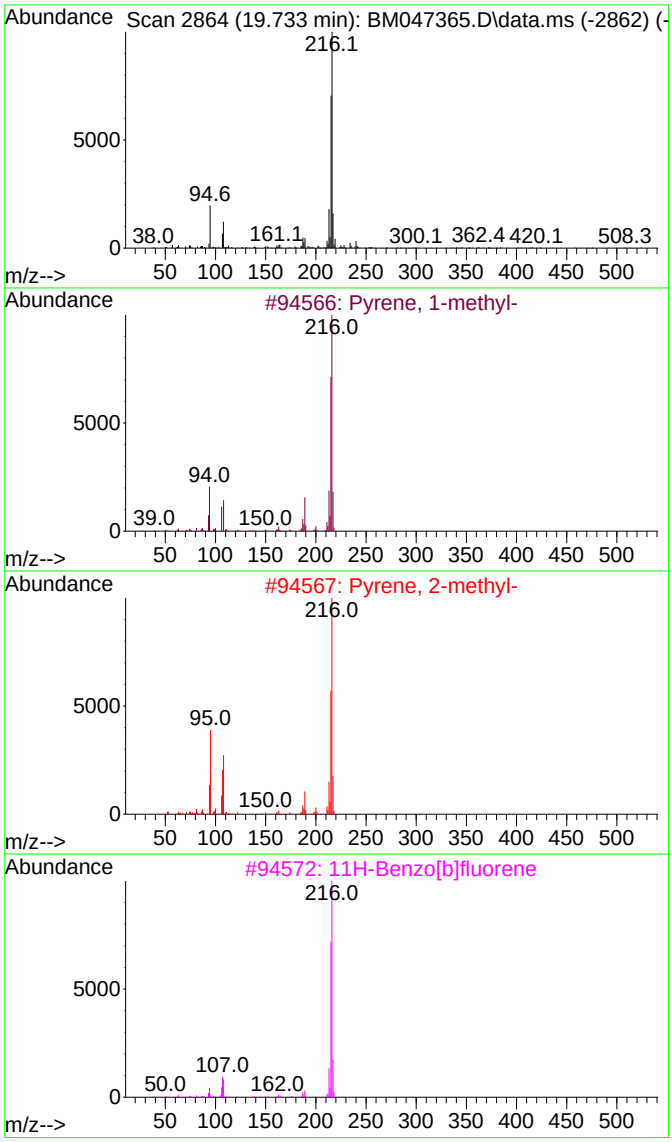
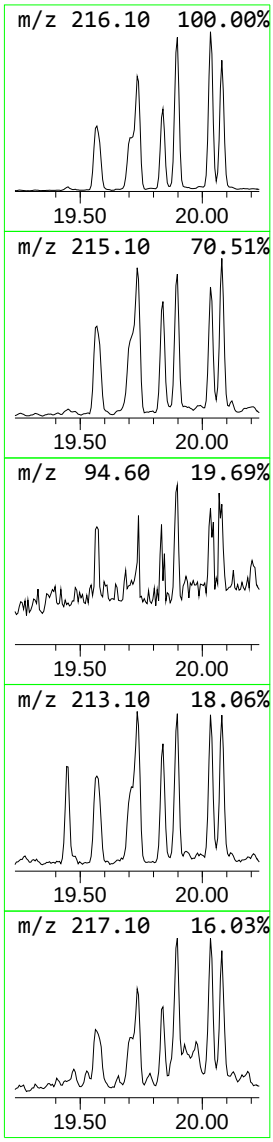
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.733	3.55 ng	726314	Chrysene-d12	21.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047365.D
Acq On : 27 Aug 2024 15:57
Operator : RC/JU
Sample : P3745-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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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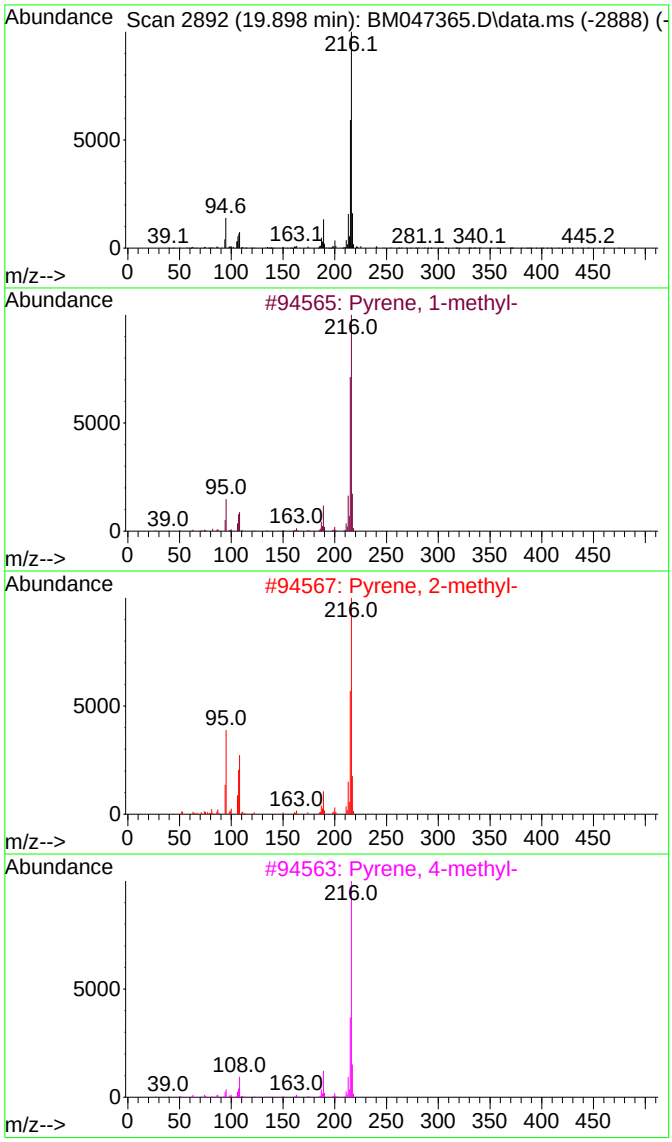
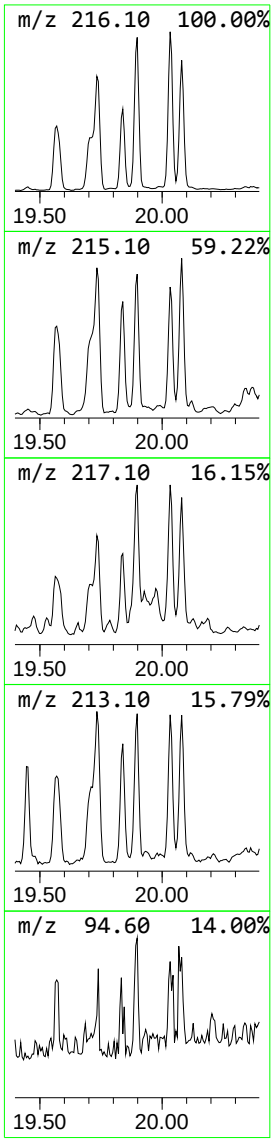
Peak Number 18 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.898	4.30 ng	878103	Chrysene-d12	21.027

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	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047365.D
Acq On : 27 Aug 2024 15:57
Operator : RC/JU
Sample : P3745-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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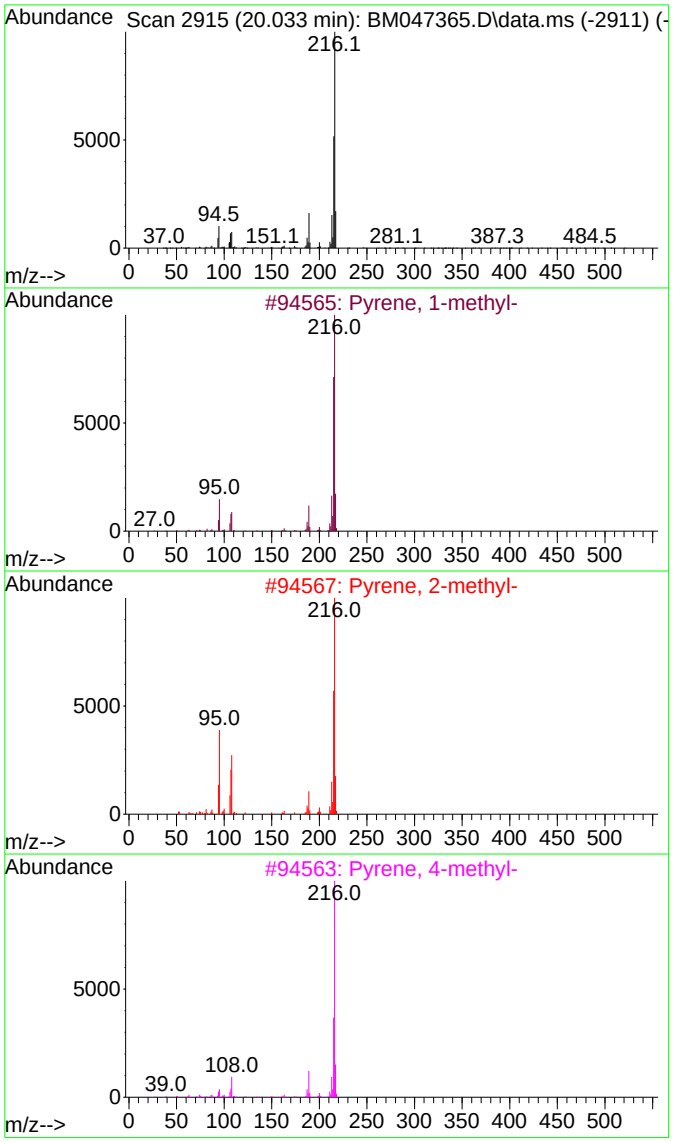
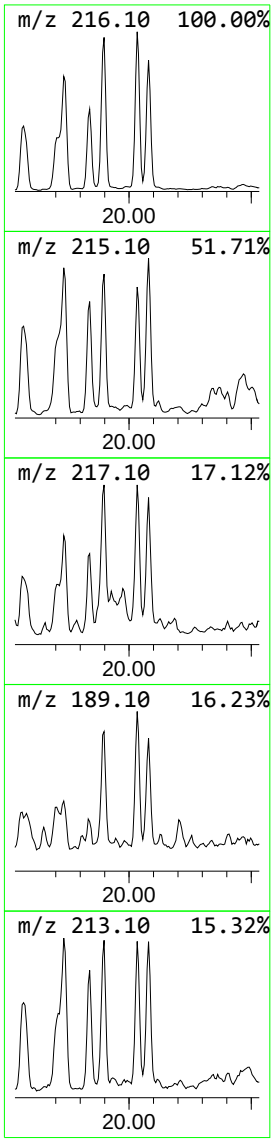
Peak Number 19 Pyrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.033	3.86 ng	788943	Chrysene-d12	21.027

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	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047365.D
Acq On : 27 Aug 2024 15:57
Operator : RC/JU
Sample : P3745-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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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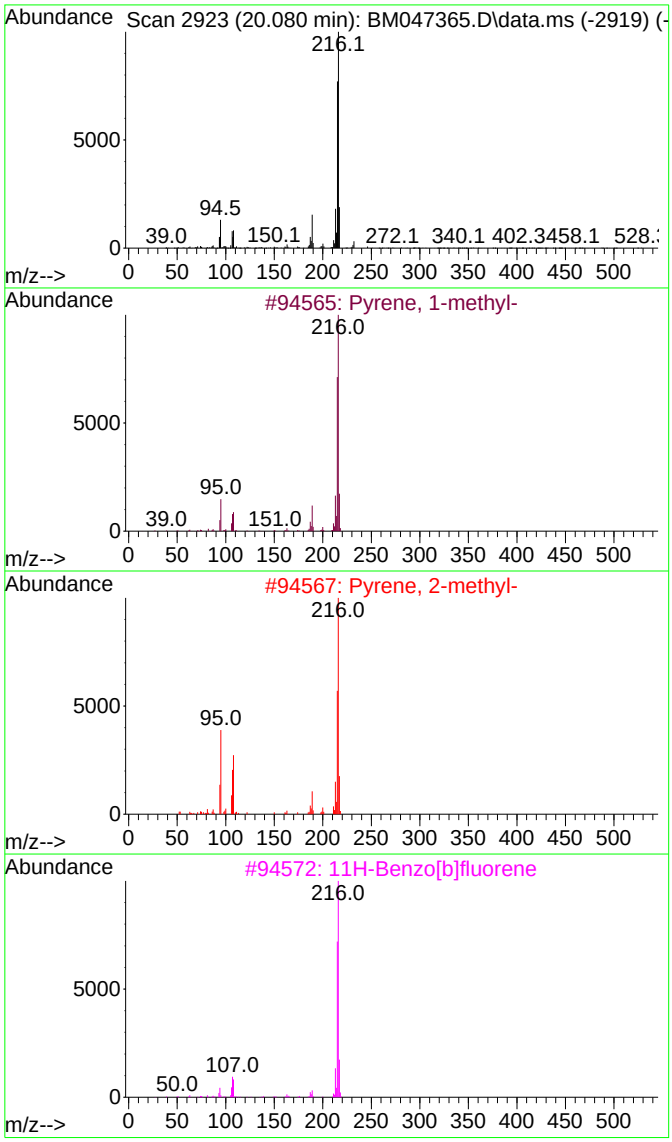
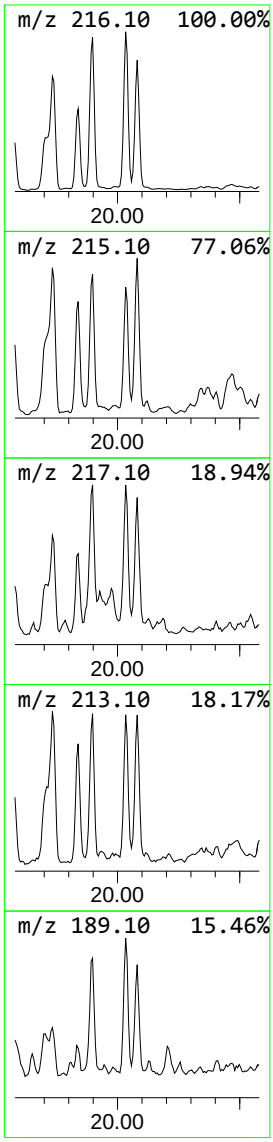
Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.080	3.92 ng	801712	Chrysene-d12	21.027

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	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
Data File : BM047365.D
Acq On : 27 Aug 2024 15:57
Operator : RC/JU
Sample : P3745-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CM-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.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
1-Phenoxypropan...	10.869	3.4	ng	350153	2	10.104	2081940	20.0
unknown14.245	14.245	6.7	ng	957985	3	14.016	2846450	20.0
Naphthalene, 1,...	14.645	3.7	ng	529793	3	14.016	2846450	20.0
9H-Fluorene, 2-...	16.086	4.0	ng	652363	4	16.780	3239260	20.0
1-Methyldibenzo...	17.363	3.7	ng	606429	4	16.780	3239260	20.0
4-Methylnaphtho...	17.509	3.5	ng	573489	4	16.780	3239260	20.0
Phenanthrene, 2...	17.657	8.9	ng	1445000	4	16.780	3239260	20.0
Phenanthrene, 1...	17.709	14.6	ng	2363220	4	16.780	3239260	20.0
1H-Cyclopropa[l...	17.786	5.0	ng	803705	4	16.780	3239260	20.0
4H-Cyclopenta[d...	17.851	15.8	ng	2563050	4	16.780	3239260	20.0
Phenanthrene, 4...	17.886	6.2	ng	999601	4	16.780	3239260	20.0
Phenanthrene, 3...	18.474	4.4	ng	715542	4	16.780	3239260	20.0
Phenanthrene, 2...	18.598	10.3	ng	1664310	4	16.780	3239260	20.0
unknown18.657	18.657	6.3	ng	1025070	4	16.780	3239260	20.0
9,10-Dimethylan...	18.739	5.9	ng	951673	4	16.780	3239260	20.0
Fluoranthene, 2...	19.562	4.0	ng	820139	5	21.027	4087830	20.0
Pyrene, 1-methyl-	19.733	3.5	ng	726314	5	21.027	4087830	20.0
Pyrene, 2-methyl-	19.898	4.3	ng	878103	5	21.027	4087830	20.0
Pyrene, 4-methyl-	20.033	3.9	ng	788943	5	21.027	4087830	20.0
11H-Benzo[b]flu...	20.080	3.9	ng	801712	5	21.027	4087830	20.0