LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-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-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM042694.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.381	401	407	425	rBV	498547	816966	24.02%	1.587%
2	6.910	661	667	673	rBV3	37201	66725	1.96%	0.130%
3	7.010	678	684	694	rBV	483699	830048	24.40%	1.612%
4	7.269	722	728	735	rBV4	79006	172459	5.07%	0.335%
5	7.481	756	764	772	rBV6	34644	91379	2.69%	0.177%
6	7.845	817	826	837	rBV	347383	589102	17.32%	1.144%
7	9.045	1025	1030	1045	rVB	305629	556588	16.36%	1.081%
8	10.663	1298	1305	1310	rBV	426237	726965	21.37%	1.412%
9	10.716	1310	1314	1323	rVB2	123747	232773	6.84%	0.452%
10	12.321	1581	1587	1598	rBV	103123	177556	5.22%	0.345%
11	12.545	1617	1625	1631	rBV	87558	149806	4.40%	0.291%
12	13.121	1717	1723	1735	rBV	697546	1013172	29.79%	1.968%
13	13.339	1754	1760	1766	rBV3	32935	61347	1.80%	0.119%
14	13.651	1806	1813	1816	rBV5	63364	141484	4.16%	0.275%
15	13.815	1835	1841	1846	rBV2	84165	159951	4.70%	0.311%
16	13.868	1846	1850	1853	rVV2	77218	111716	3.28%	0.217%
17	13.957	1860	1865	1869	rBV	63762	101311	2.98%	0.197%
18	13.998	1869	1872	1877	rVB4	42162	62945	1.85%	0.122%
19	14.051	1877	1881	1885	rBV	38994	61679	1.81%	0.120%
20	14.233	1906	1912	1917	rBV	269093	440890	12.96%	0.856%
21	14.504	1949	1958	1964	rBV	600628	896166	26.35%	1.740%
22	14.568	1965	1969	1975	rVB	80176	122490	3.60%	0.238%
23	14.698	1985	1991	1999	rVB4	29422	72463	2.13%	0.141%
24	14.886	2020	2023	2031	rVB2	58033	119932	3.53%	0.233%
25	14.962	2032	2036	2042	rVB	71126	102080	3.00%	0.198%
26	15.104	2054	2060	2064	rBV2	92521	180778	5.31%	0.351%
27	15.156	2066	2069	2073	rVB2	44342	65848	1.94%	0.128%
28	15.280	2079	2090	2093	rBV6	43818	112580	3.31%	0.219%
29	15.374	2102	2106	2111	rBV	77315	108835	3.20%	0.211%
30	15.551	2132	2136	2144	rVB	116462	228013	6.70%	0.443%
31	15.674	2153	2157	2166	rVB7	43935	91417	2.69%	0.178%
32	15.756	2166	2171	2175	rBV2	32694	57534	1.69%	0.112%
33	15.839	2181	2185	2190	rVB2	38382	60542	1.78%	0.118%
34	15.998	2204	2212	2222	rVB	581174	902751	26.54%	1.753%
35	16.156	2233	2239	2243	rBV	68226	126904	3.73%	0.246%
36	16.203	2243	2247	2253	rVB3	46599	79765	2.34%	0.155%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-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-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.545	2297	2305	2310	rBV5	74399	179841	5.29%	0.349%
38	16.598	2310	2314	2318	rBV2	51479	73211	2.15%	0.142%
39	16.692	2326	2330	2335	rBV2	39478	66063	1.94%	0.128%
40	16.980	2375	2379	2383	rVB2	61855	93845	2.76%	0.182%
41	17.074	2390	2395	2404	rVB2	79444	138381	4.07%	0.269%
42	17.256	2420	2426	2429	rBV	559536	796172	23.41%	1.546%
43	17.298	2429	2433	2442	rVB	730071	1029115	30.25%	1.999%
44	17.392	2444	2449	2453	rBV	267412	420801	12.37%	0.817%
45	17.439	2453	2457	2462	rVB2	128863	179915	5.29%	0.349%
46	17.768	2510	2513	2519	rVV3	46462	66063	1.94%	0.128%
47	17.833	2519	2524	2534	rVB2	132087	216836	6.37%	0.421%
48	17.980	2544	2549	2554	rVB	91301	178031	5.23%	0.346%
49	18.121	2567	2573	2578	rBV	385670	718036	21.11%	1.394%
50	18.174	2578	2582	2591	rVB	470676	688412	20.24%	1.337%
51	18.256	2592	2596	2600	rBV	189575	260228	7.65%	0.505%
52	18.315	2601	2606	2611	rVV2	427750	839046	24.67%	1.630%
53	18.356	2611	2613	2622	rVB	268182	389526	11.45%	0.756%
54	18.439	2624	2627	2631	rBV3	48073	80926	2.38%	0.157%
55	18.515	2637	2640	2647	rVB	115201	168198	4.94%	0.327%
56	18.615	2653	2657	2662	rBV4	127888	311000	9.14%	0.604%
57	18.674	2665	2667	2676	rVB2	128645	215002	6.32%	0.418%
58	18.786	2682	2686	2691	rBV3	101980	192667	5.66%	0.374%
59	18.839	2691	2695	2699	rBV	610290	848413	24.94%	1.648%
60	18.921	2705	2709	2712	rVB	312252	374191	11.00%	0.727%
61	18.962	2712	2716	2722	rVB	281098	386771	11.37%	0.751%
62	19.039	2724	2729	2734	rBV	795403	1199163	35.25%	2.329%
63	19.097	2734	2739	2743	rBV3	236422	419787	12.34%	0.815%
64	19.133	2743	2745	2749	rVB2	209209	221310	6.51%	0.430%
65	19.174	2749	2752	2754	rBV	165792	210894	6.20%	0.410%
66	19.315	2770	2776	2778	rBV	1478457	2019882	59.38%	3.923%
67	19.344	2778	2781	2788	rVV	2136873	2687980	79.02%	5.220%
68	19.403	2788	2791	2797	rVV4	124642	180355	5.30%	0.350%
69	19.468	2798	2802	2806	rVV	224963	295478	8.69%	0.574%
70	19.533	2810	2813	2816	rVV4	97232	157289	4.62%	0.305%
71	19.574	2817	2820	2827	rVB4	201830	416779	12.25%	0.809%
72	19.644	2828	2832	2834	rBV3	166498	262212	7.71%	0.509%
73	19.686	2834	2839	2844	rVV	2650961	3401582	100.00%	6.606%
74	19.739	2844	2848	2853	rVB2	458003	640265	18.82%	1.243%
75	19.786	2853	2856	2858	rBV4	77191	94178	2.77%	0.183%
76	19.874	2865	2871	2880	rVB	785335	1387344	40.79%	2.694%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-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-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.009	2885	2894	2901	rBV4	374027	993585	29.21%	1.930%
78	20.074	2902	2905	2909	rBV4	80503	148193	4.36%	0.288%
79	20.139	2911	2916	2919	rBV5	334572	665091	19.55%	1.292%
80	20.227	2928	2931	2935	rBV4	109666	193996	5.70%	0.377%
81	20.274	2935	2939	2942	rVV	271572	396829	11.67%	0.771%
82	20.333	2945	2949	2957	rVB	603084	942286	27.70%	1.830%
83	20.468	2968	2972	2976	rBV	716074	892165	26.23%	1.733%
84	20.515	2976	2980	2986	rVB2	526824	767478	22.56%	1.491%
85	20.997	3059	3062	3066	rVB	202172	251729	7.40%	0.489%
86	21.050	3068	3071	3074	rBV2	227157	337960	9.94%	0.656%
87	21.086	3074	3077	3081	rBV	413950	568199	16.70%	1.103%
88	21.162	3087	3090	3094	rBV3	223972	319434	9.39%	0.620%
89	21.309	3112	3115	3117	rBV	268934	283240	8.33%	0.550%
90	21.427	3131	3135	3141	rBV2	1472510	3129626	92.01%	6.078%
91	21.480	3141	3144	3149	rVB	1233157	1509794	44.39%	2.932%
92	21.662	3172	3175	3185	rVB3	408509	679862	19.99%	1.320%
93	21.980	3226	3229	3231	rBV4	192939	271852	7.99%	0.528%
94	22.009	3231	3234	3239	rVV	621631	817367	24.03%	1.587%
95	22.062	3240	3243	3248	rVB	294106	355462	10.45%	0.690%
96	22.215	3265	3269	3272	rBV3	255306	347744	10.22%	0.675%
97	23.097	3413	3419	3432	rVB2	609410	1828462	53.75%	3.551%
98	23.615	3501	3507	3517	rVB	614413	1280203	37.64%	2.486%
99	23.721	3519	3525	3534	rBV2	709506	1458608	42.88%	2.833%
100	23.827	3538	3543	3548	rBV	356659	653663	19.22%	1.269%

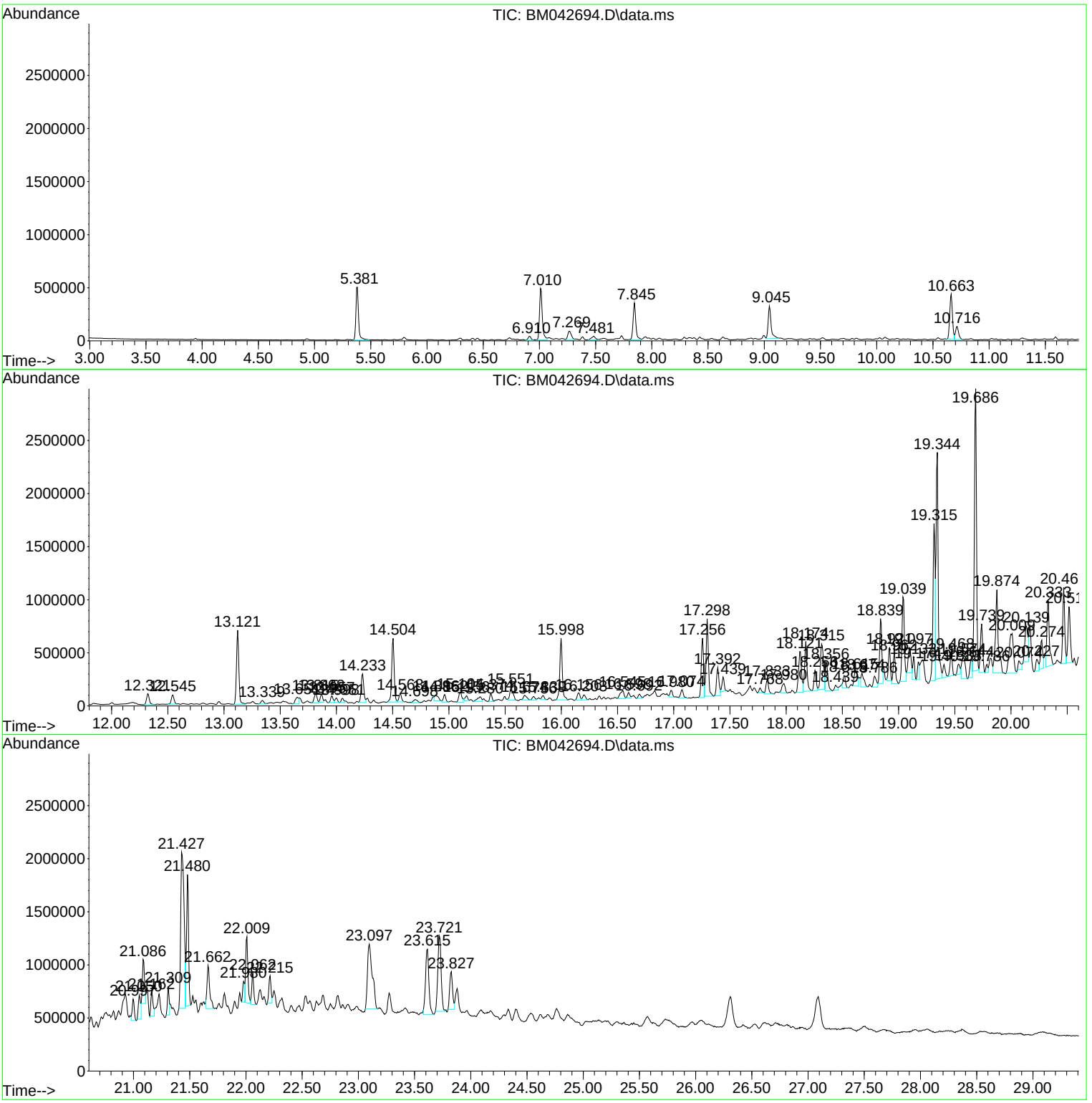
Sum of corrected areas: 51490976

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

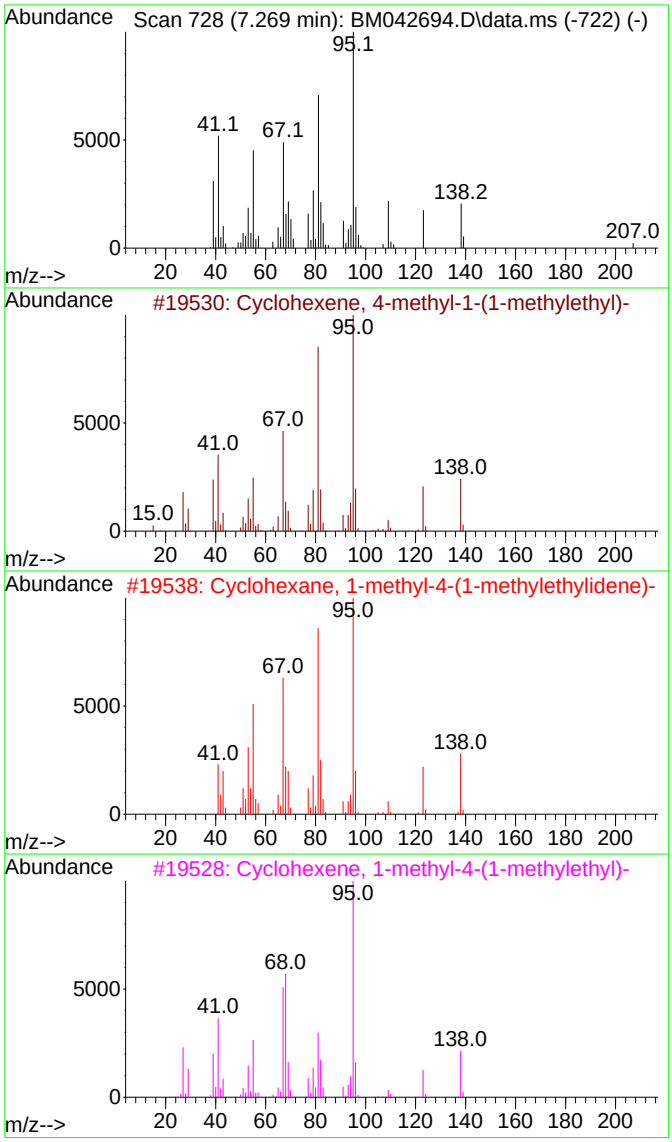
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

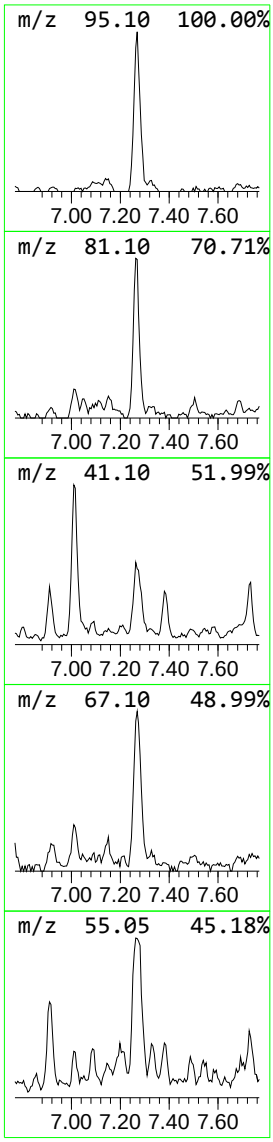
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclohexene, 4-methyl-1-(1-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.269	5.85 ng	172459	1,4-Dichlorobenzene-d4	7.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	94
2	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	93
3	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	87
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	87
5	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

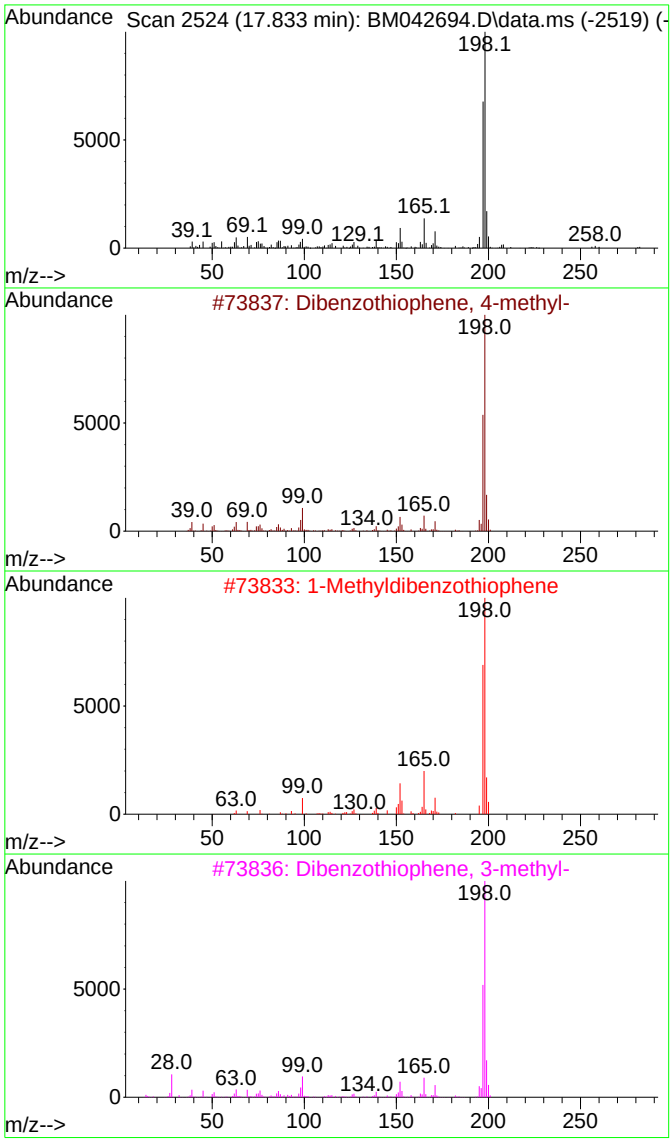
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

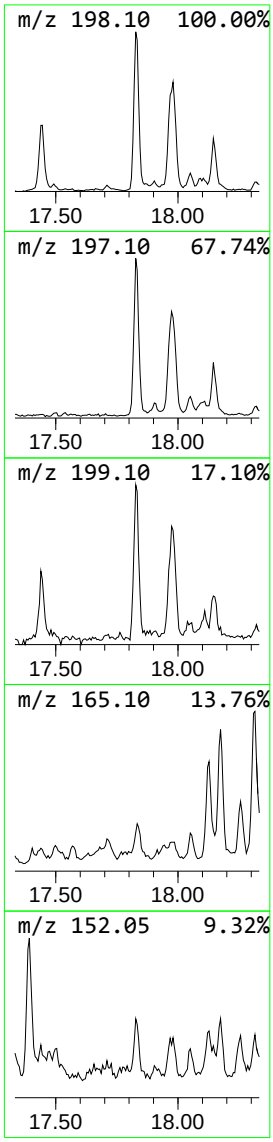
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Dibenzothiophene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.833	5.45 ng	216836	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

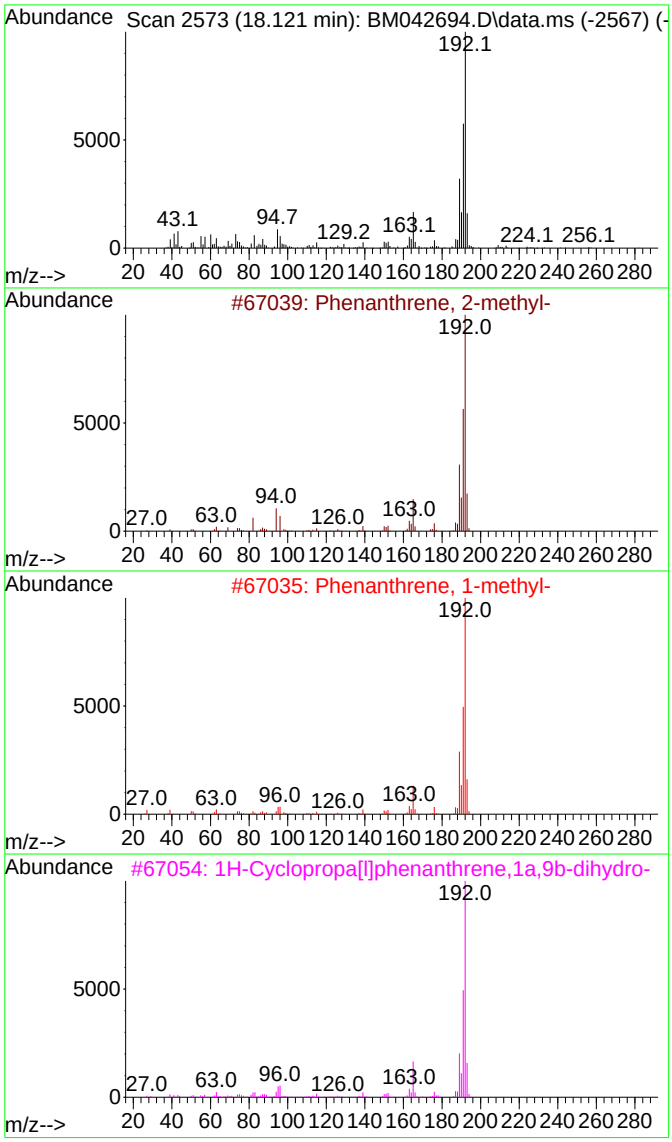
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

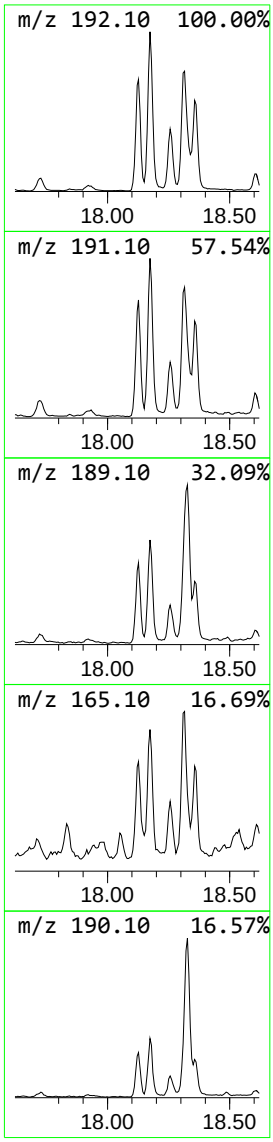
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.121	18.04 ng	718036	Phenanthrene-d10	17.256

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

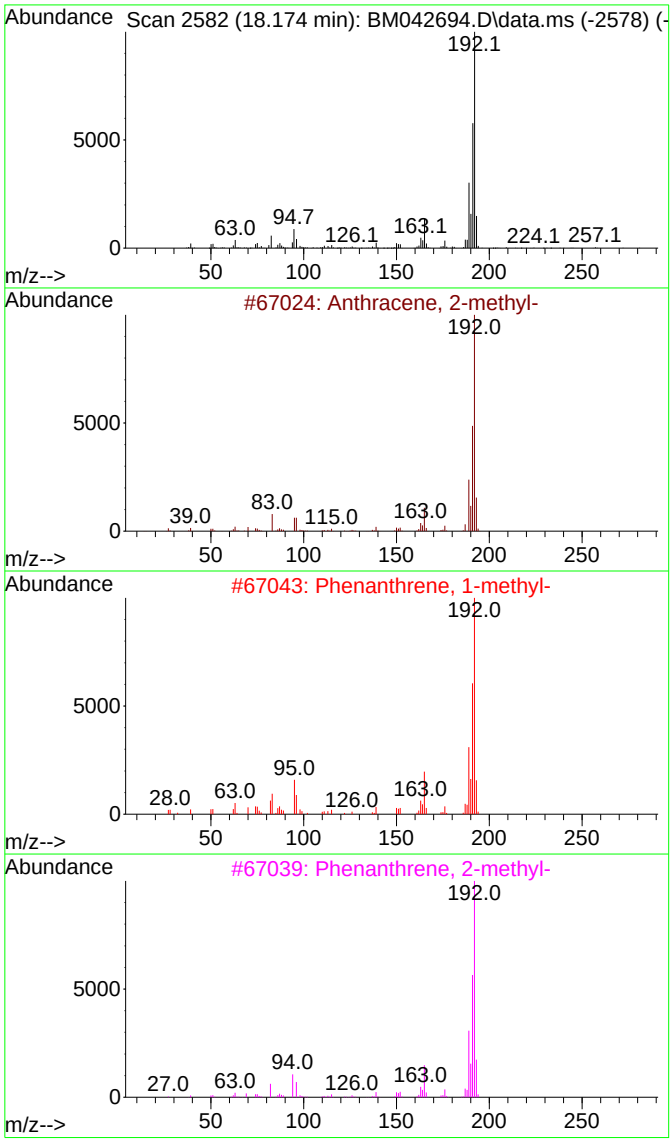
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

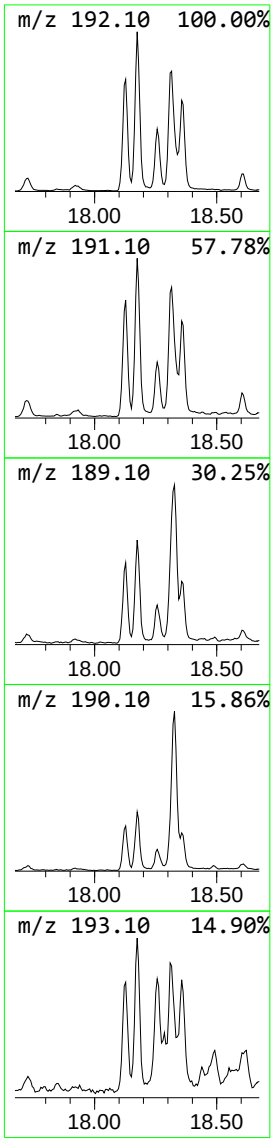
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.174	17.29 ng	688412	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

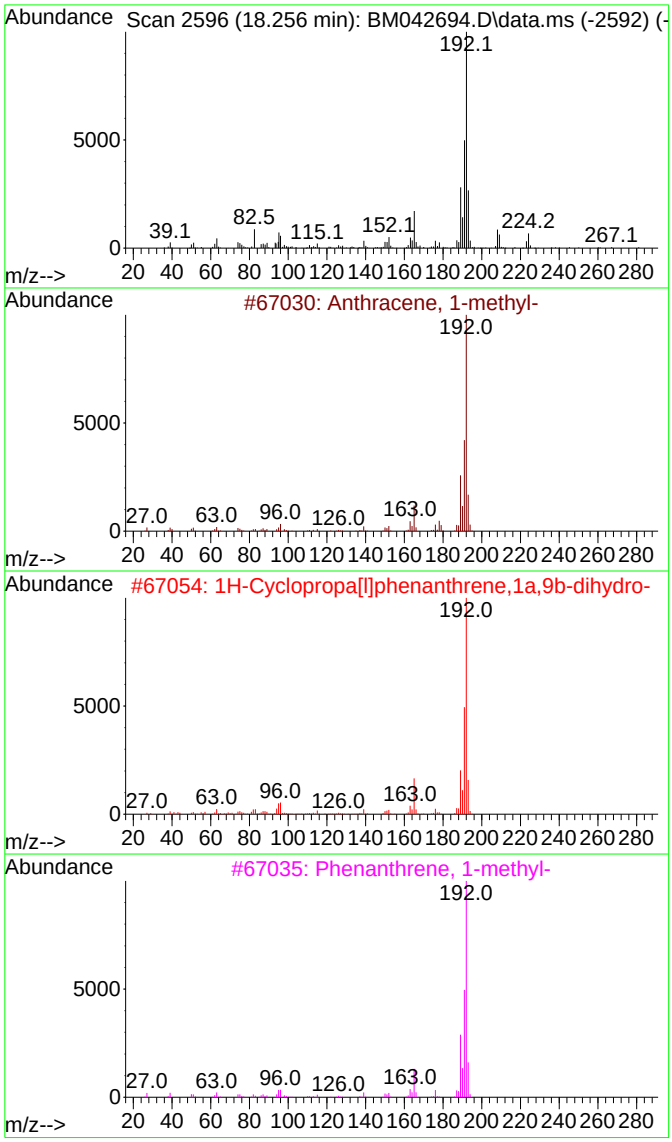
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

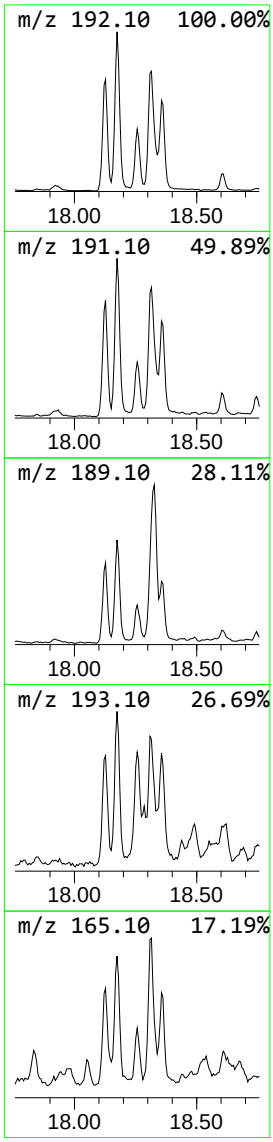
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.256	6.54 ng	260228	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	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	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

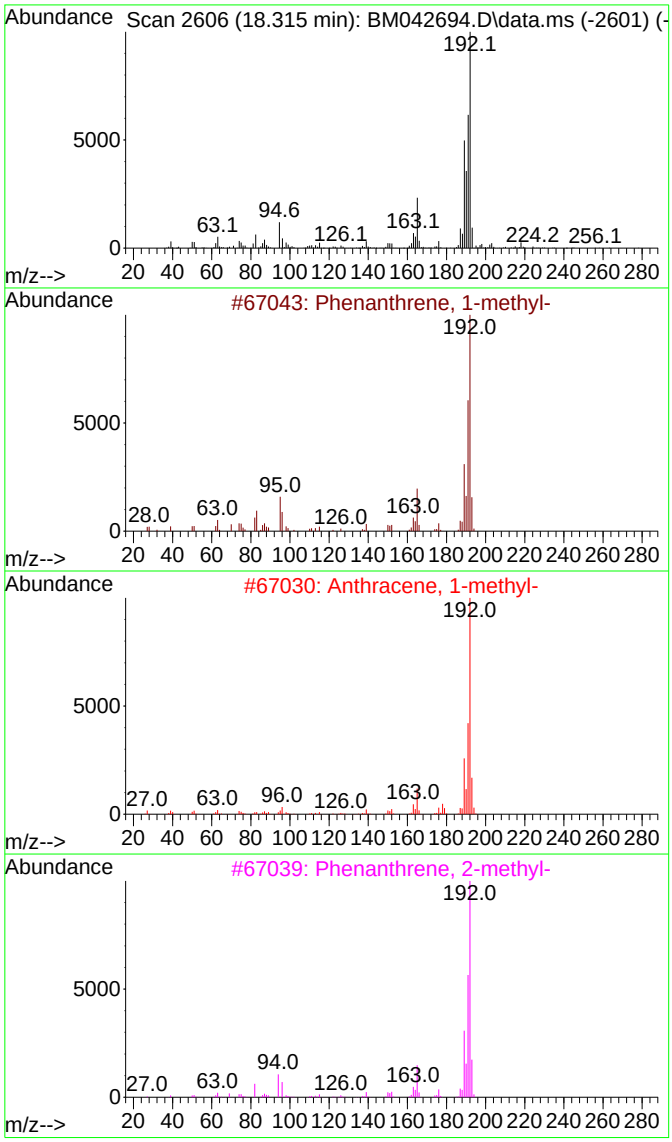
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

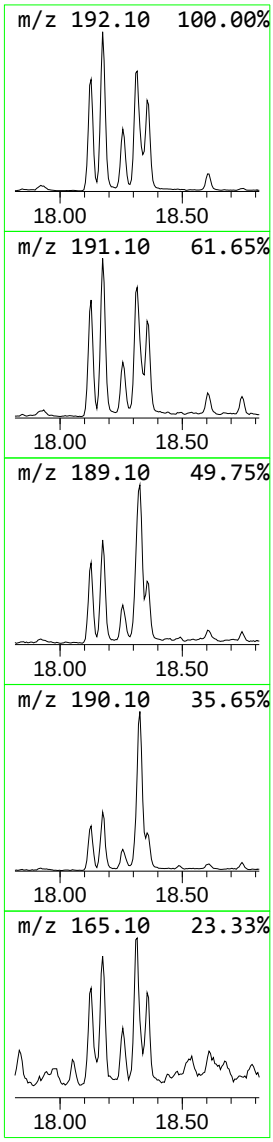
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.315	21.08 ng	839046	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	58
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	58
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	58
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	58
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

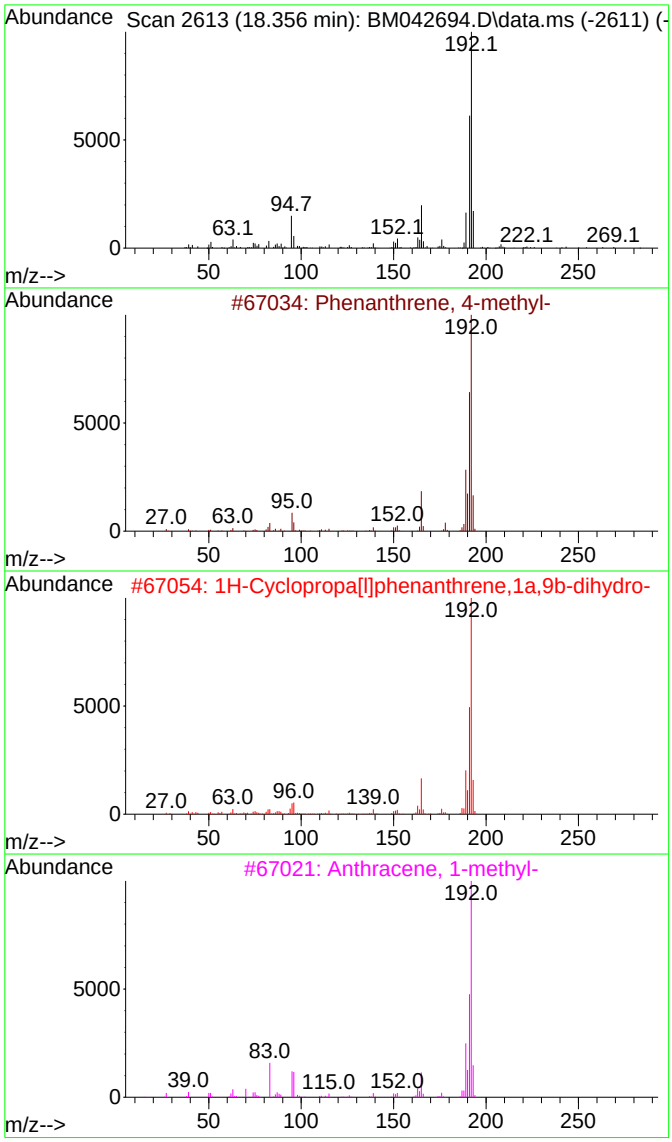
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

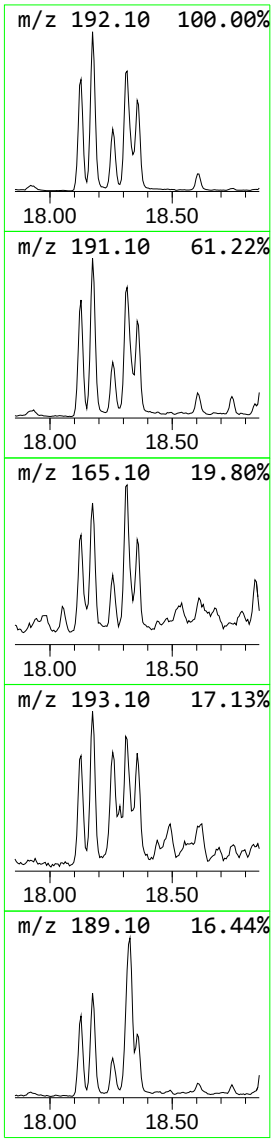
****

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.356	9.78 ng	389526	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

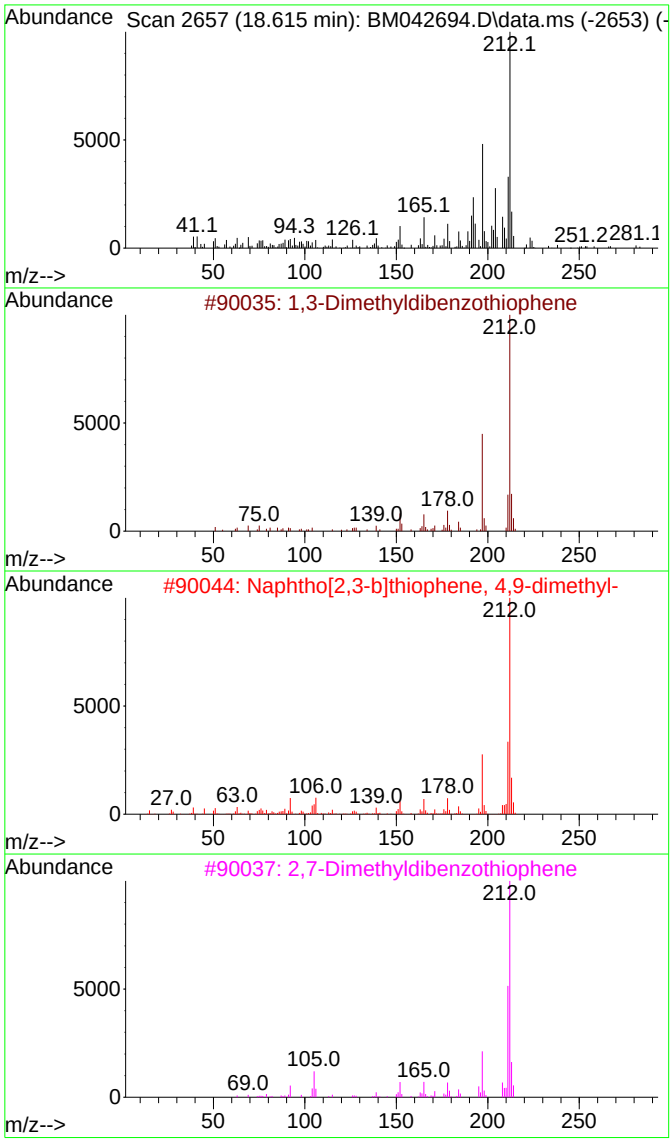
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

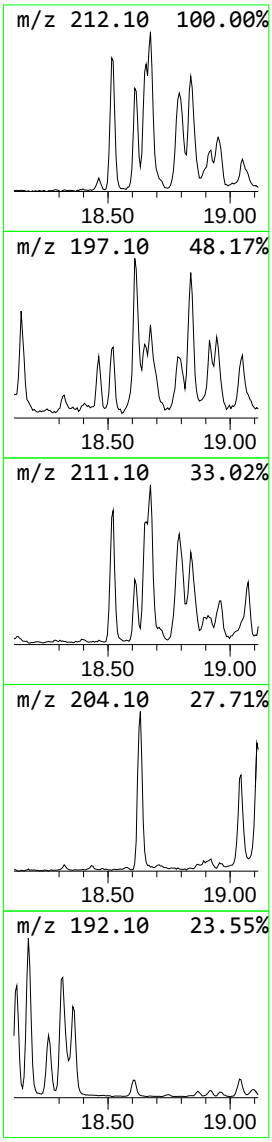
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,3-Dimethyldibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.615	7.81 ng	311000	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyldibenzothiophene	212	C14H12S	1010383-55-0	83
2	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	68
3	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	62
4	2,5-Dimethyl-4-(3-amino-4-methyl...	212	C14H16N2	071153-33-8	58
5	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

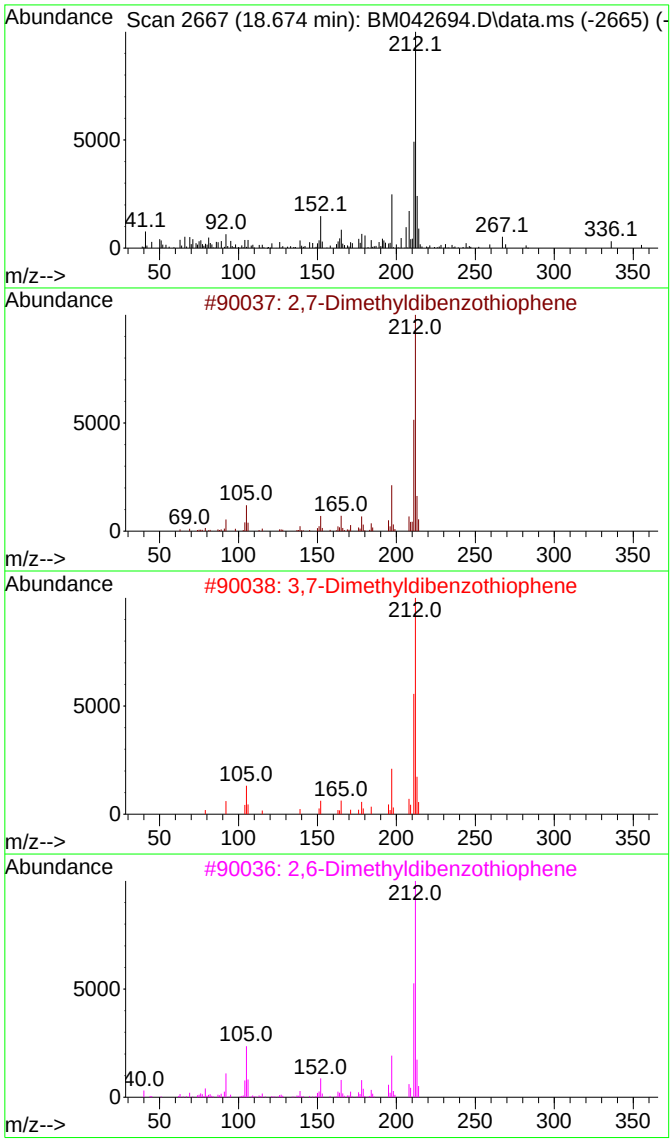
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

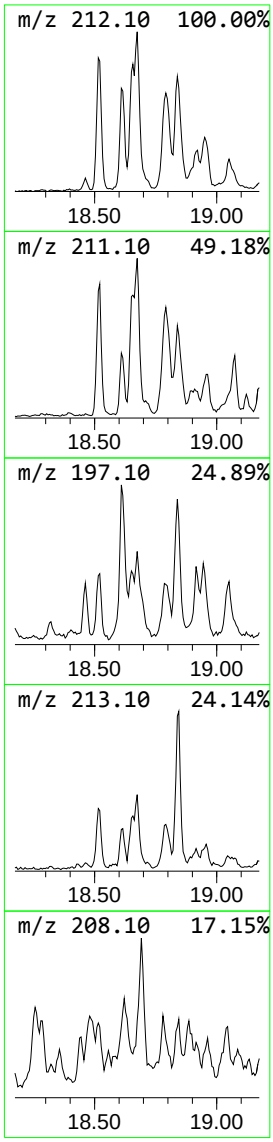
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 2,7-Dimethyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.674	5.40 ng	215002	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	91
2	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	90
3	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	87
4	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	87
5	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

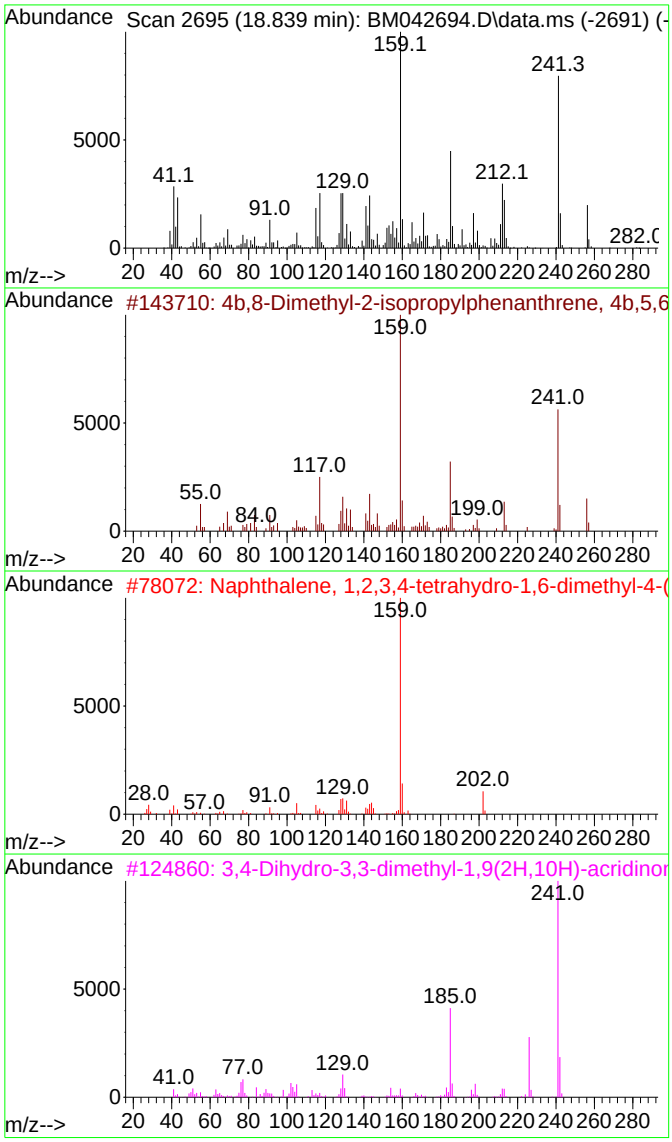
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

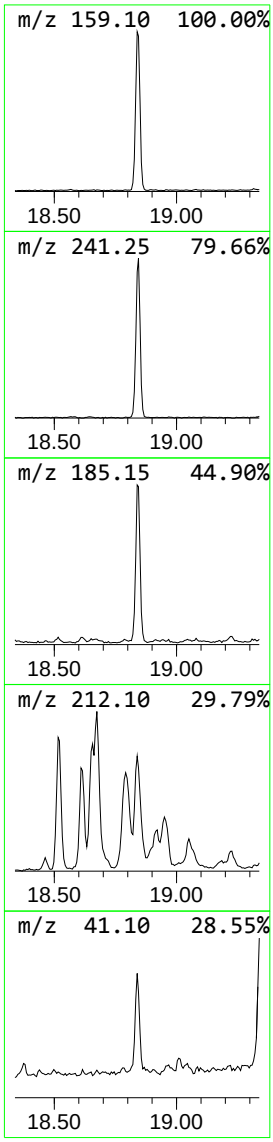
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4b,8-Dimethyl-2-isopropylph... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.839	21.31 ng	848413	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	91
2	Naphthalene, 1,2,3,4-tetrahydro-...	202	C15H22	000483-77-2	30
3	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1010212-95-2	27
4	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	25
5	2,3,6,7-Tetrahydro-1H,5H,11H-pyr...	241	C15H15NO2	058336-35-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

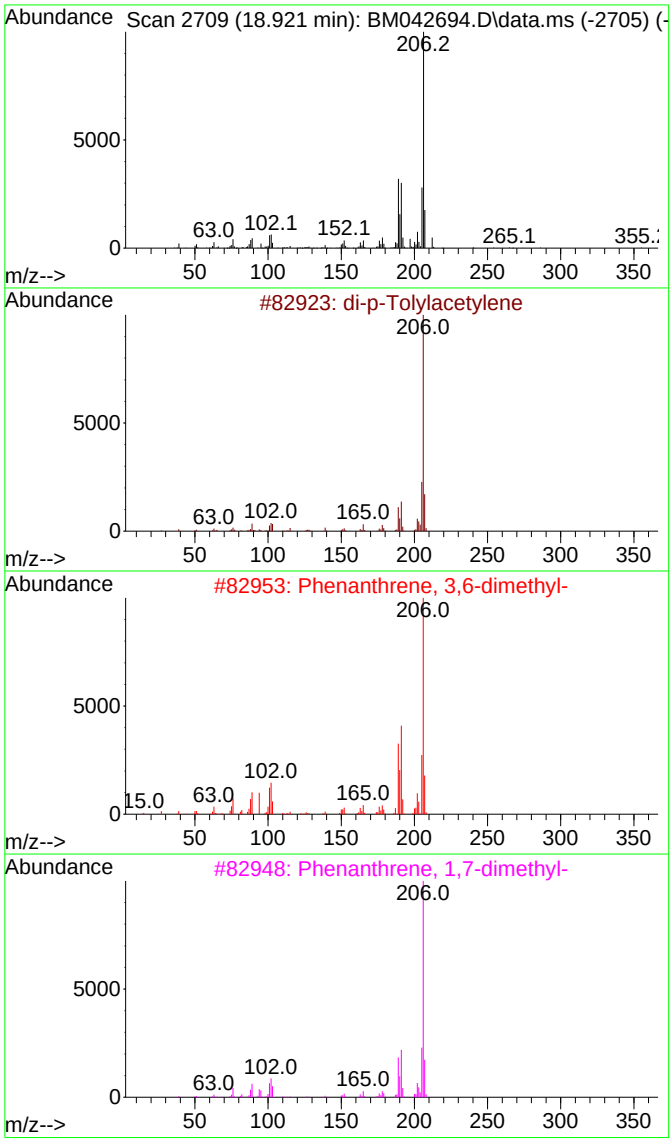
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

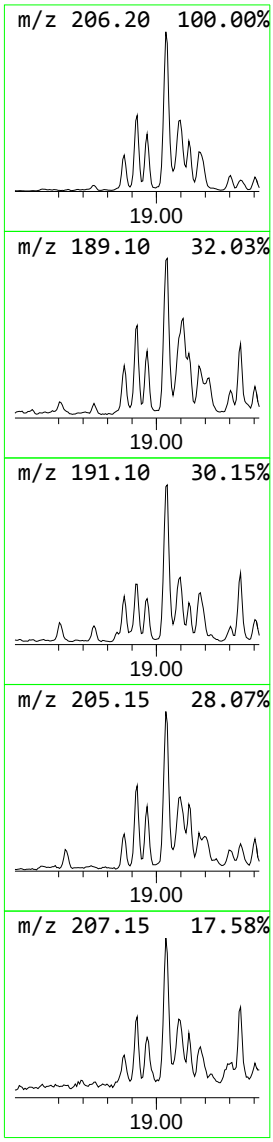
****

Peak Number 11 di-p-Tolylacetylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.921	9.40 ng	374191	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

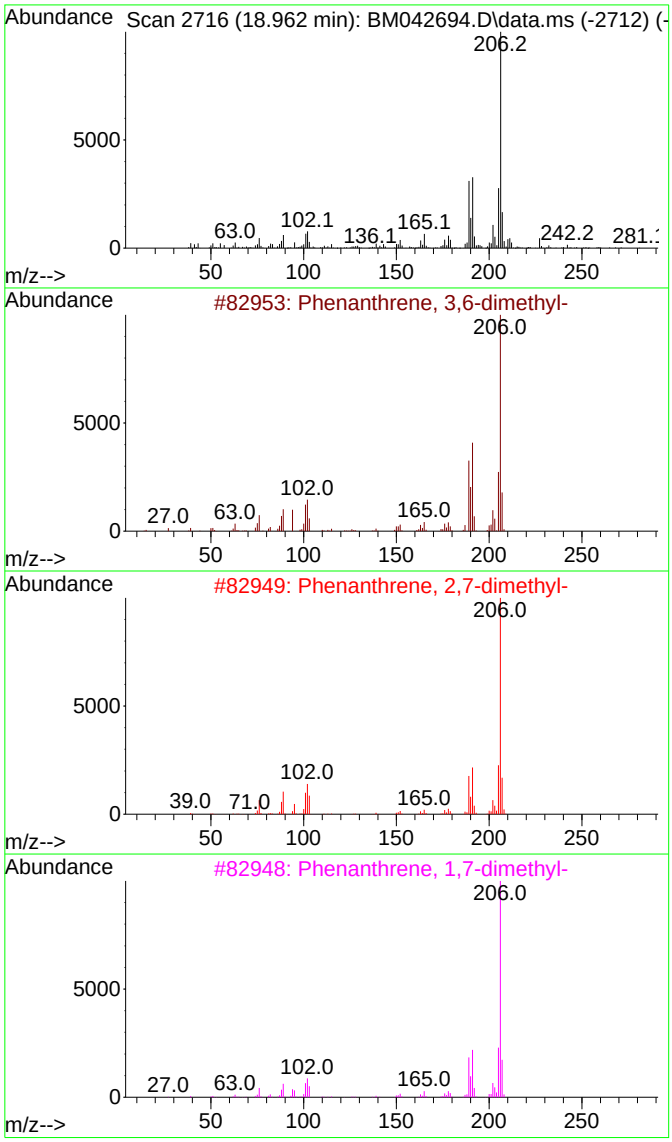
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

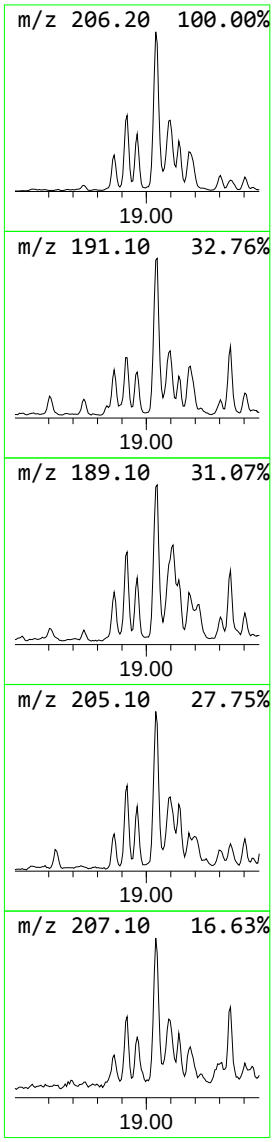
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.962	9.72 ng	386771	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

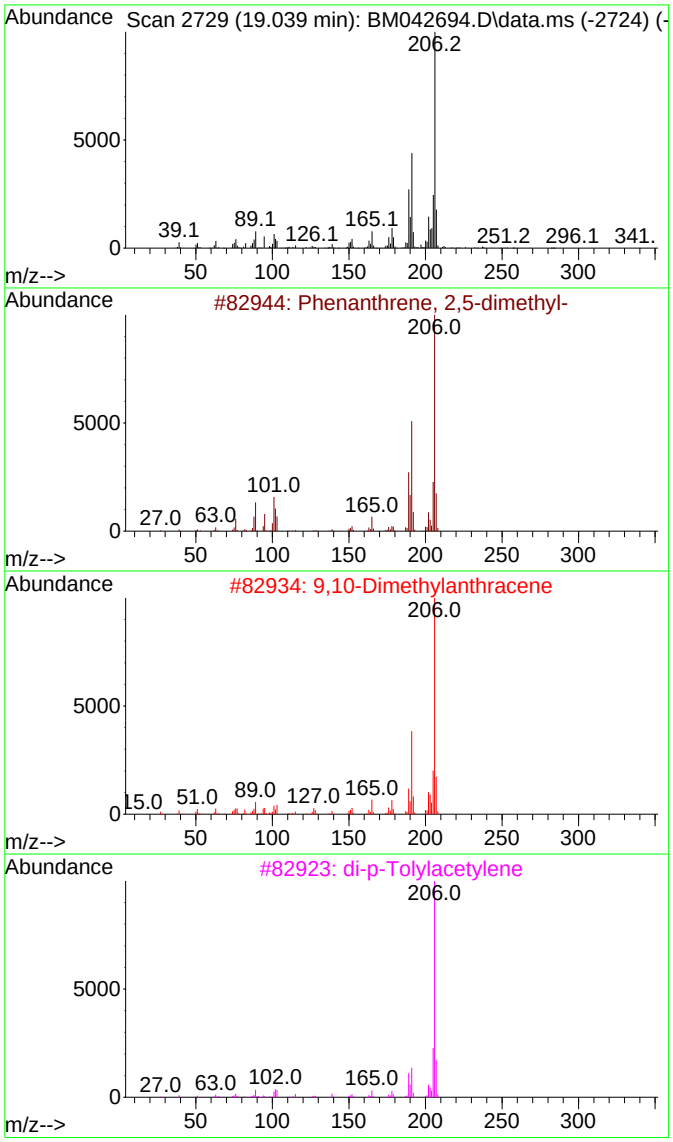
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

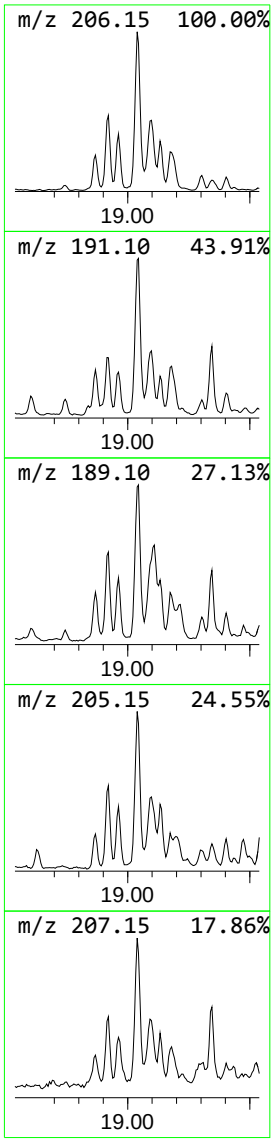
****

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.039	30.12 ng	1199160	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

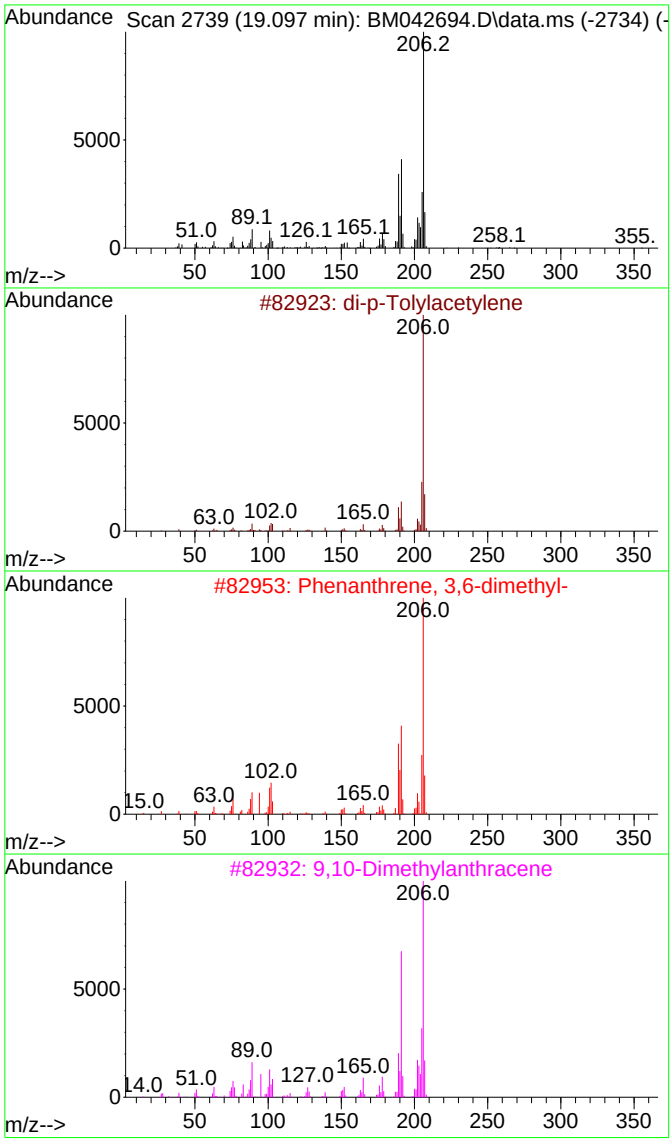
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

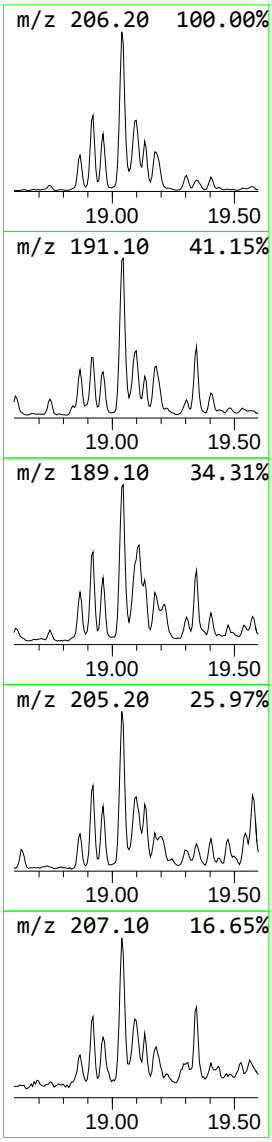
****

Peak Number 14 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.097	10.55 ng	419787	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

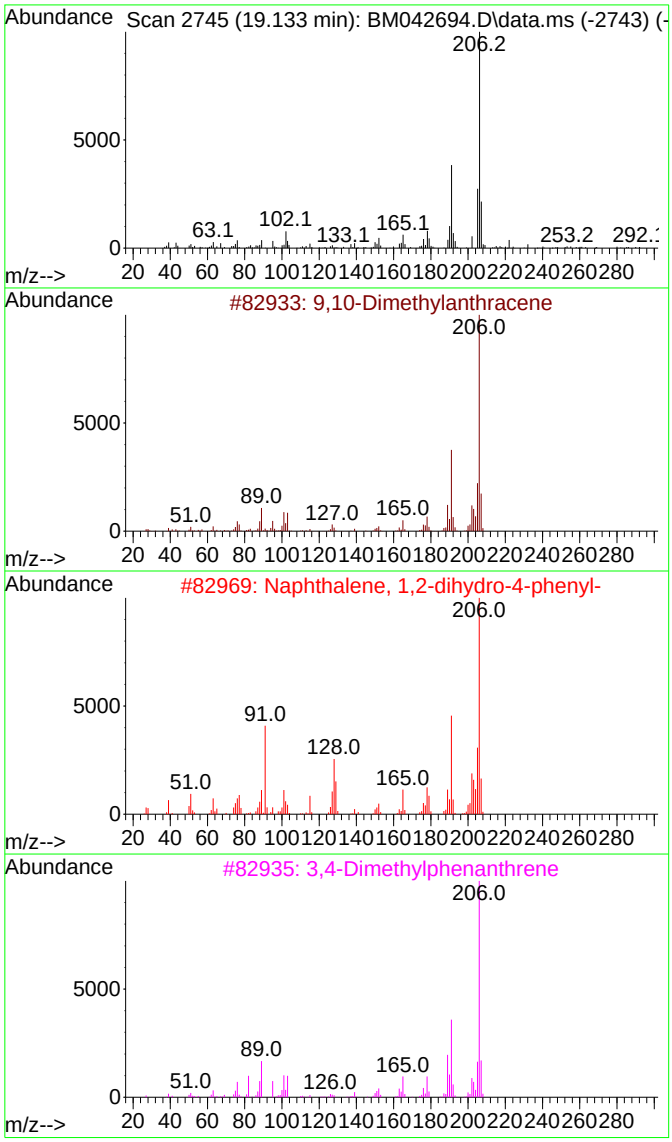
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

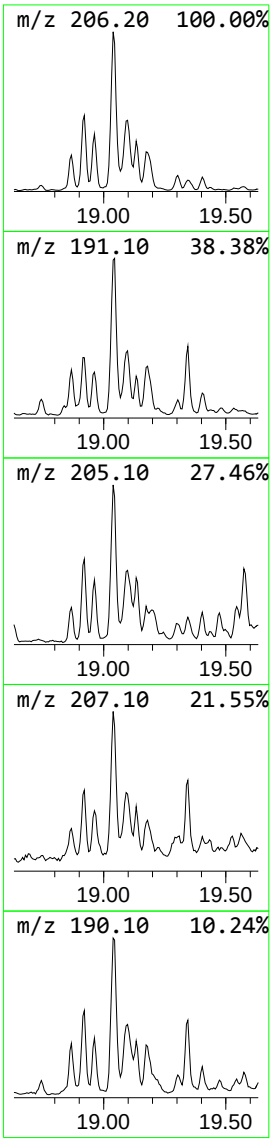
****

Peak Number 15 3,4-Dimethylphenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.133	5.56 ng	221310	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	80
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

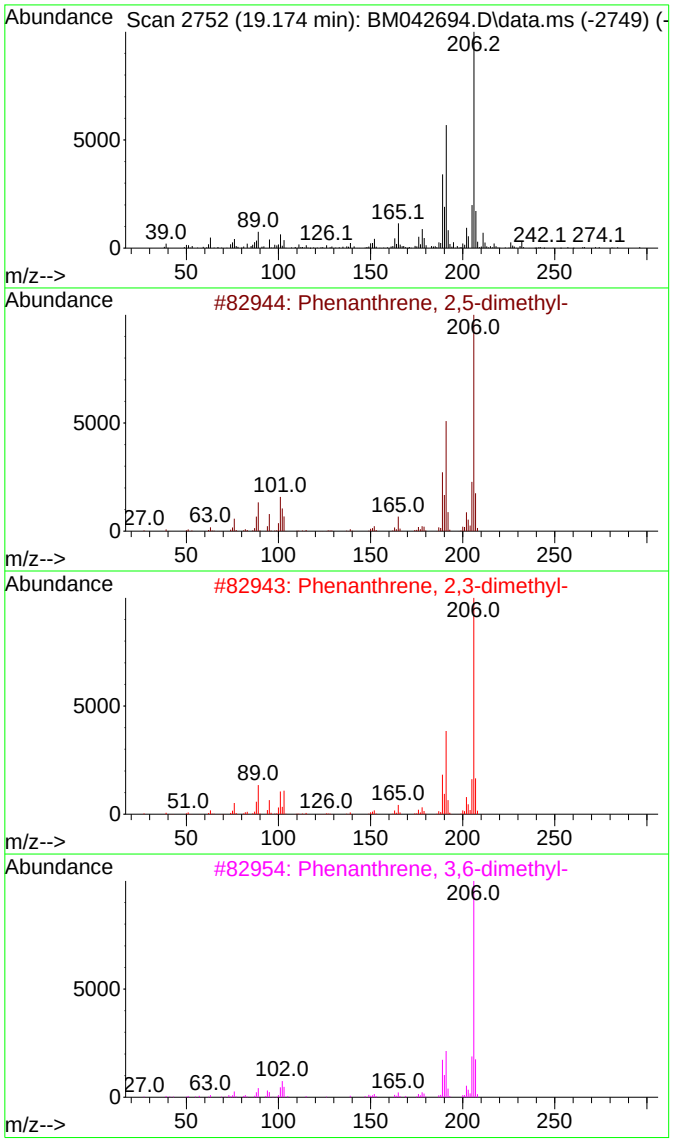
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

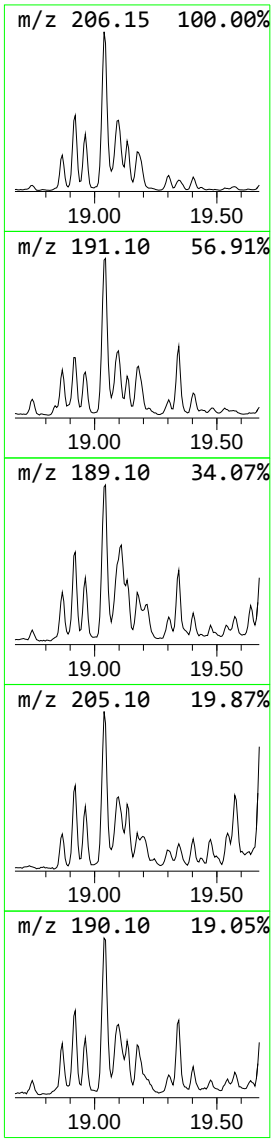
****

Peak Number 16 Phenanthrene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.174	5.30 ng	210894	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

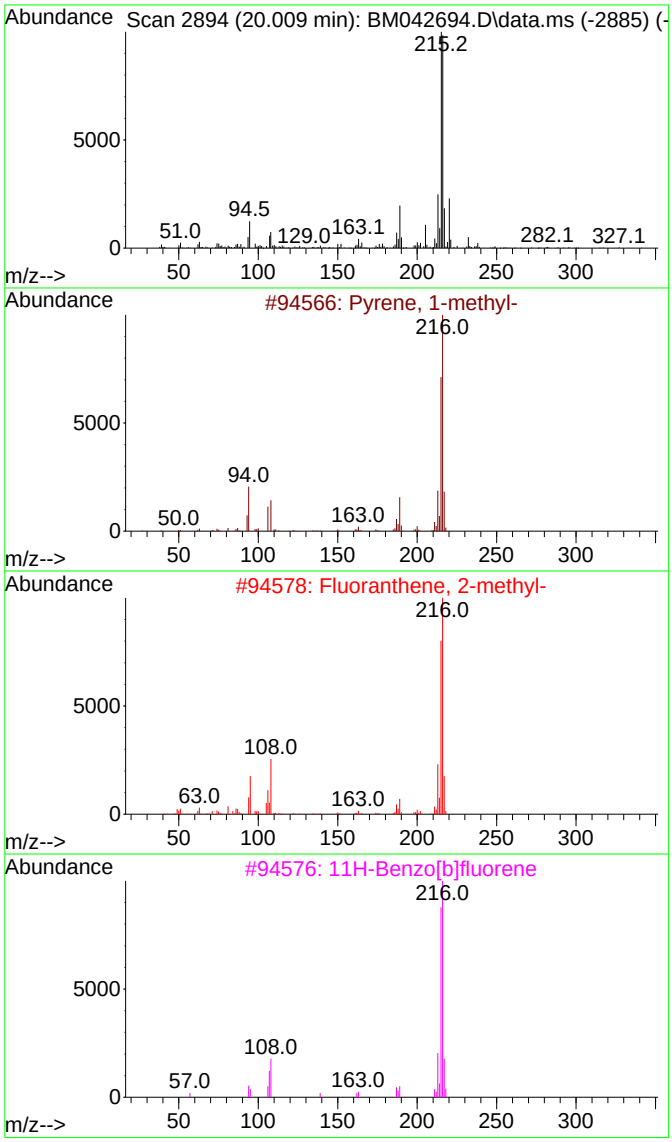
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

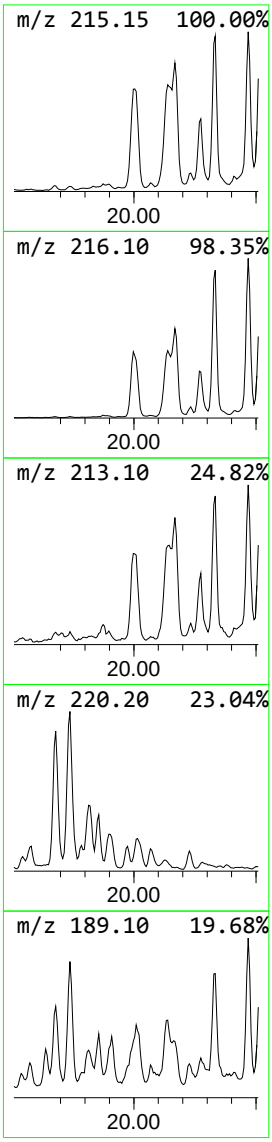
****

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.009	6.35 ng	993585	Chrysene-d12	21.444

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

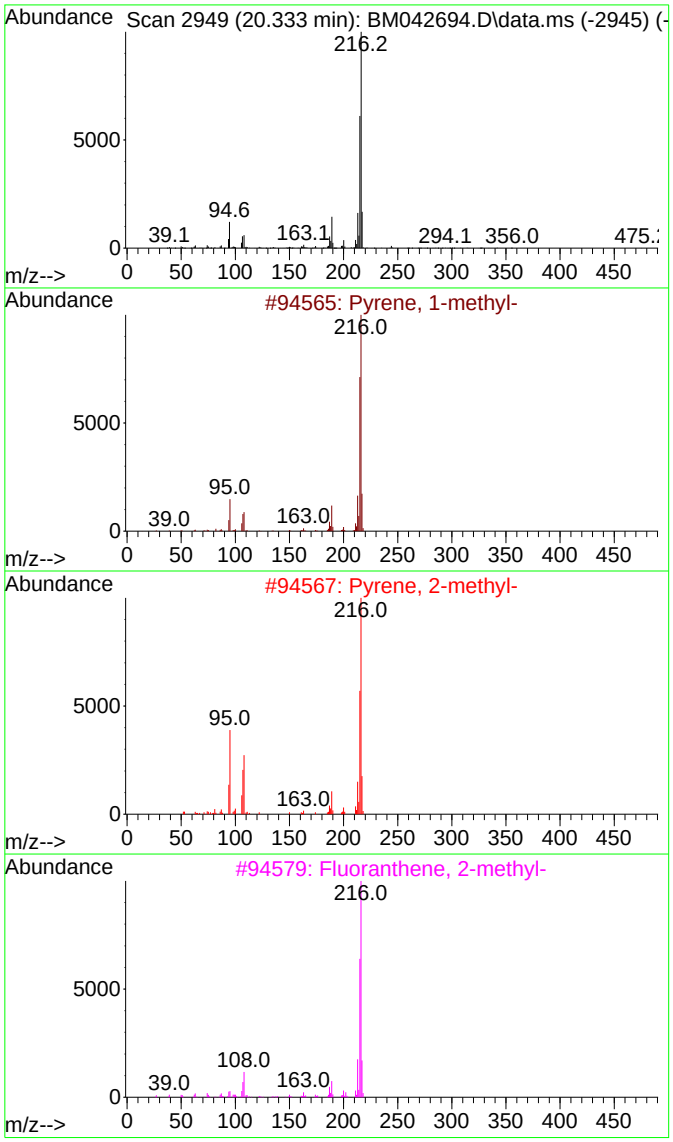
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

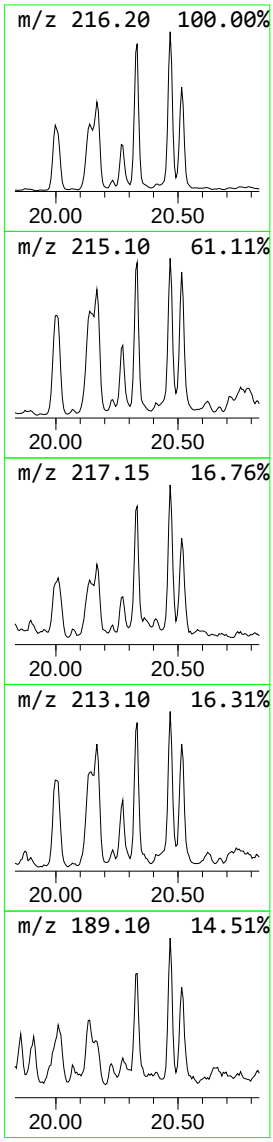
****

Peak Number 18 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.333	6.02 ng	942286	Chrysene-d12	21.444

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

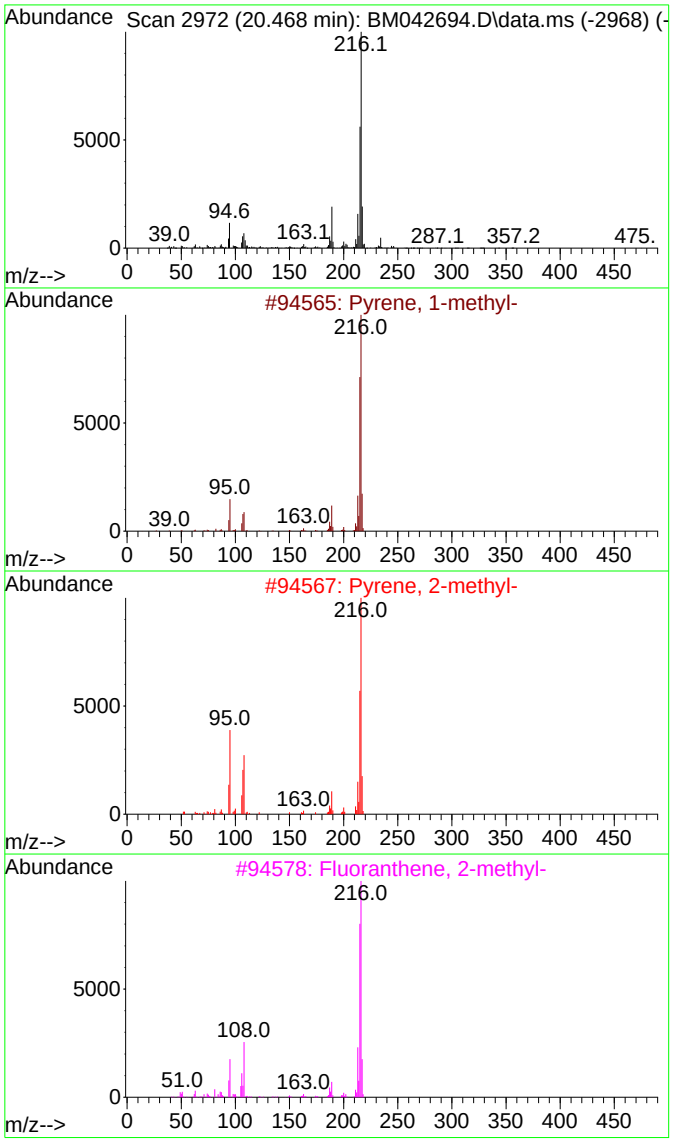
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

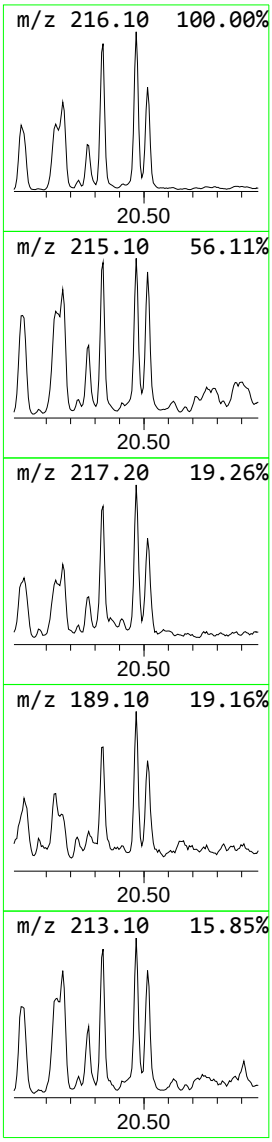
****

Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.468	5.70 ng	892165	Chrysene-d12	21.444

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	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

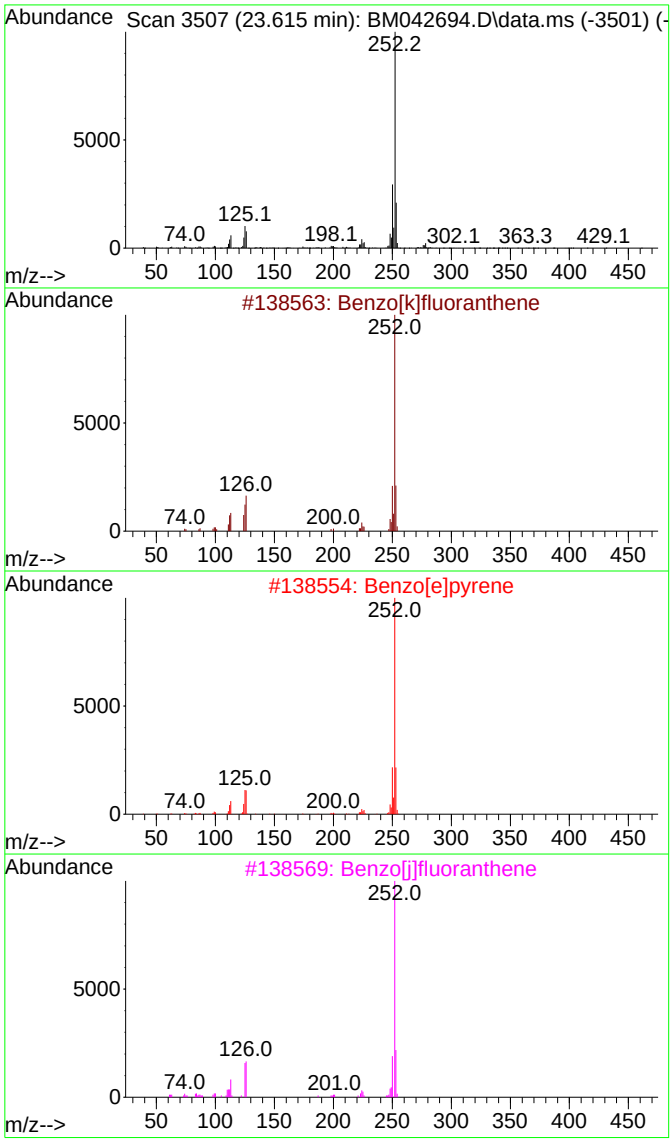
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

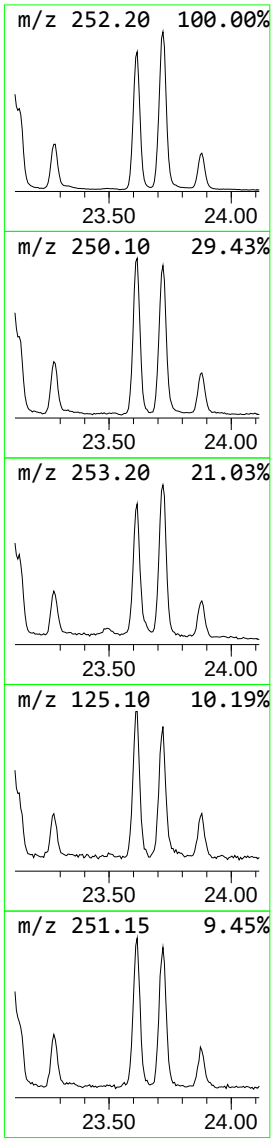
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.615	39.17 ng	1280200	Perylene-d12	23.826

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
Operator : MA/JU
Sample : 05279-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MH-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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
Cyclohexene, 4-...	7.269	5.8	ng	172459	1	7.845	589102	20.0
Dibenzothiophen...	17.833	5.5	ng	216836	4	17.256	796172	20.0
Phenanthrene, 2...	18.121	18.0	ng	718036	4	17.256	796172	20.0
Anthracene, 2-m...	18.174	17.3	ng	688412	4	17.256	796172	20.0
Anthracene, 1-m...	18.256	6.5	ng	260228	4	17.256	796172	20.0
Phenanthrene, 1...	18.315	21.1	ng	839046	4	17.256	796172	20.0
Phenanthrene, 4...	18.356	9.8	ng	389526	4	17.256	796172	20.0
1,3-Dimethyldib...	18.615	7.8	ng	311000	4	17.256	796172	20.0
2,7-Dimethyldib...	18.674	5.4	ng	215002	4	17.256	796172	20.0
4b,8-Dimethyl-2...	18.839	21.3	ng	848413	4	17.256	796172	20.0
di-p-Tolylacety...	18.921	9.4	ng	374191	4	17.256	796172	20.0
Phenanthrene, 3...	18.962	9.7	ng	386771	4	17.256	796172	20.0
Phenanthrene, 2...	19.039	30.1	ng	1199160	4	17.256	796172	20.0
9,10-Dimethylan...	19.097	10.6	ng	419787	4	17.256	796172	20.0
3,4-Dimethylphe...	19.133	5.6	ng	221310	4	17.256	796172	20.0
Phenanthrene, 2...	19.174	5.3	ng	210894	4	17.256	796172	20.0
Pyrene, 1-methyl-	20.009	6.3	ng	993585	5	21.444	3129630	20.0
Pyrene, 2-methyl-	20.333	6.0	ng	942286	5	21.444	3129630	20.0
Fluoranthene, 2...	20.468	5.7	ng	892165	5	21.444	3129630	20.0
Benzo[e]pyrene	23.615	39.2	ng	1280200	6	23.826	653663	20.0