LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042699.D
Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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: BM042699.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	417	rBV	244699	402786	3.22%	0.262%
2	7.016	679	685	698	rBV2	240784	455183	3.64%	0.296%
3	7.845	819	826	836	rBV	302561	499848	4.00%	0.325%
4	8.198	879	886	894	rBV	271949	432254	3.46%	0.281%
5	10.027	1190	1197	1200	rBV	218282	367585	2.94%	0.239%
6	10.663	1299	1305	1309	rBV	385783	682105	5.46%	0.444%
7	10.722	1309	1315	1326	rVV	2401386	3932544	31.47%	2.559%
8	12.327	1581	1588	1600	rBV	2532977	3969903	31.77%	2.584%
9	12.557	1615	1627	1637	rBV	4149014	6615551	52.94%	4.305%
10	13.121	1717	1723	1729	rBV	479635	702314	5.62%	0.457%
11	13.339	1754	1760	1769	rBV	754663	1100226	8.80%	0.716%
12	13.480	1778	1784	1788	rBV2	216528	428048	3.43%	0.279%
13	13.527	1788	1792	1795	rBV	399286	549245	4.40%	0.357%
14	13.680	1807	1818	1824	rBV	1208734	2860594	22.89%	1.862%
15	13.745	1824	1829	1835	rVV	318915	504004	4.03%	0.328%
16	13.821	1835	1842	1847	rVV	1943680	3622764	28.99%	2.358%
17	13.874	1847	1851	1860	rVV	1303975	2154353	17.24%	1.402%
18	13.963	1860	1866	1875	rVB	304683	493589	3.95%	0.321%
19	14.057	1876	1882	1886	rVV	902511	1375945	11.01%	0.895%
20	14.092	1886	1888	1894	rVB	325191	362421	2.90%	0.236%
21	14.233	1906	1912	1925	rVB2	1561702	2872755	22.99%	1.870%
22	14.474	1947	1953	1955	rBV	485553	722433	5.78%	0.470%
23	14.504	1955	1958	1963	rVV	589143	882039	7.06%	0.574%
24	14.574	1964	1970	1976	rVV2	927341	1604247	12.84%	1.044%
25	14.710	1986	1993	2001	rVV3	367656	817533	6.54%	0.532%
26	14.886	2012	2023	2031	rVV3	544573	1557980	12.47%	1.014%
27	14.962	2031	2036	2041	rVB	581805	828175	6.63%	0.539%
28	15.104	2054	2060	2065	rBV2	627861	1093885	8.75%	0.712%
29	15.162	2065	2070	2074	rVB	379921	533973	4.27%	0.347%
30	15.280	2083	2090	2093	rBV4	315844	637744	5.10%	0.415%
31	15.310	2093	2095	2102	rVB	237699	340524	2.72%	0.222%
32	15.374	2102	2106	2111	rBV	345984	508876	4.07%	0.331%
33	15.445	2111	2118	2124	rBV6	196286	484110	3.87%	0.315%
34	15.557	2130	2137	2148	rVB	2252779	3784185	30.28%	2.463%
35	15.674	2154	2157	2166	rVB6	293898	689145	5.51%	0.448%
36	15.757	2166	2171	2176	rBV3	213172	345251	2.76%	0.225%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042699.D
Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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	15.839	2181	2185	2191	rVB3	275498	468351	3.75%	0.305%
38	15.974	2203	2208	2210	rBV2	454629	670302	5.36%	0.436%
39	16.157	2233	2239	2244	rBV2	285790	558715	4.47%	0.364%
40	16.551	2298	2306	2311	rBV	721297	1527148	12.22%	0.994%
41	16.604	2311	2315	2319	rBV	531736	694552	5.56%	0.452%
42	16.704	2327	2332	2336	rBV	457770	676175	5.41%	0.440%
43	16.980	2376	2379	2384	rVB3	281178	427208	3.42%	0.278%
44	17.080	2390	2396	2409	rVB	1611363	2426726	19.42%	1.579%
45	17.262	2422	2427	2430	rBV	527336	791340	6.33%	0.515%
46	17.315	2430	2436	2444	rVB	8795512	12496325	100.00%	8.132%
47	17.398	2445	2450	2455	rBV	1707199	2515298	20.13%	1.637%
48	17.686	2489	2499	2502	rBV4	316929	657119	5.26%	0.428%
49	17.774	2510	2514	2520	rBV2	276773	398991	3.19%	0.260%
50	17.833	2520	2524	2533	rVB	1076263	1578025	12.63%	1.027%
51	17.986	2543	2550	2555	rVB	675510	1358706	10.87%	0.884%
52	18.133	2569	2575	2580	rVV	2047362	3233187	25.87%	2.104%
53	18.186	2580	2584	2593	rVB	2183242	2969947	23.77%	1.933%
54	18.262	2593	2597	2602	rBV	738136	1025510	8.21%	0.667%
55	18.333	2602	2609	2612	rVV2	2497083	4736320	37.90%	3.082%
56	18.368	2612	2615	2624	rVB	1514711	2018590	16.15%	1.314%
57	18.521	2638	2641	2646	rVB	279123	350084	2.80%	0.228%
58	18.633	2654	2660	2666	rVV2	850195	1803995	14.44%	1.174%
59	18.680	2666	2668	2676	rVB	363739	500963	4.01%	0.326%
60	18.792	2683	2687	2692	rBV2	235961	465910	3.73%	0.303%
61	18.845	2692	2696	2698	rBV2	293433	380343	3.04%	0.248%
62	18.921	2706	2709	2712	rVB	499866	532424	4.26%	0.346%
63	18.962	2712	2716	2721	rVB4	433710	611246	4.89%	0.398%
64	19.045	2722	2730	2735	rBV	1408369	2459358	19.68%	1.600%
65	19.109	2735	2741	2744	rBV3	496789	885763	7.09%	0.576%
66	19.180	2750	2753	2755	rBV	297490	390669	3.13%	0.254%
67	19.327	2771	2778	2783	rBV	3882682	5657225	45.27%	3.682%
68	19.374	2784	2786	2789	rVV3	360920	432840	3.46%	0.282%
69	19.409	2789	2792	2798	rVV2	282626	501130	4.01%	0.326%
70	19.474	2798	2803	2807	rVV	675487	986150	7.89%	0.642%
71	19.568	2811	2819	2828	rVB3	596164	1577281	12.62%	1.026%
72	19.697	2829	2841	2846	rBV	6404871	9680377	77.47%	6.300%
73	19.745	2846	2849	2854	rVB2	392905	523486	4.19%	0.341%
74	19.874	2866	2871	2874	rBV2	459033	707381	5.66%	0.460%
75	20.009	2888	2894	2900	rVB2	615510	1374945	11.00%	0.895%
76	20.092	2902	2908	2911	rBV3	270131	517795	4.14%	0.337%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042699.D
Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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	20.144	2912	2917	2919	rVV2	571304	1050692	8.41%	0.684%
78	20.174	2919	2922	2928	rVB	1242235	1777359	14.22%	1.157%
79	20.239	2929	2933	2936	rBV3	212375	388795	3.11%	0.253%
80	20.274	2936	2939	2943	rBV	931860	1091007	8.73%	0.710%
81	20.333	2945	2949	2953	rBV	884737	1045605	8.37%	0.680%
82	20.474	2969	2973	2977	rVV	1019795	1233810	9.87%	0.803%
83	20.521	2977	2981	2987	rVB	1152926	1525098	12.20%	0.992%
84	21.091	3074	3078	3081	rVV	1100391	1349775	10.80%	0.878%
85	21.127	3081	3084	3088	rVB	645991	727568	5.82%	0.473%
86	21.168	3088	3091	3094	rBV2	362432	435385	3.48%	0.283%
87	21.333	3116	3119	3129	rVB	330295	581637	4.65%	0.379%
88	21.433	3131	3136	3142	rBV2	2687176	5109268	40.89%	3.325%
89	21.486	3142	3145	3150	rVB	2557084	3031733	24.26%	1.973%
90	21.668	3173	3176	3186	rVB3	445391	672625	5.38%	0.438%
91	21.809	3197	3200	3209	rVB3	383469	748178	5.99%	0.487%
92	22.009	3231	3234	3240	rVV	781824	1098152	8.79%	0.715%
93	22.062	3240	3243	3249	rVB	429181	540033	4.32%	0.351%
94	22.221	3266	3270	3273	rBV	418832	607332	4.86%	0.395%
95	23.103	3414	3420	3432	rBV	851682	2831290	22.66%	1.843%
96	23.280	3446	3450	3457	rVB	345314	603055	4.83%	0.392%
97	23.621	3502	3508	3518	rVB	917924	1869165	14.96%	1.216%
98	23.732	3520	3527	3533	rBV	1343346	2757767	22.07%	1.795%
99	23.827	3539	3543	3548	rBV	306632	581432	4.65%	0.378%
100	26.321	3961	3967	3980	rVB	428504	1224265	9.80%	0.797%

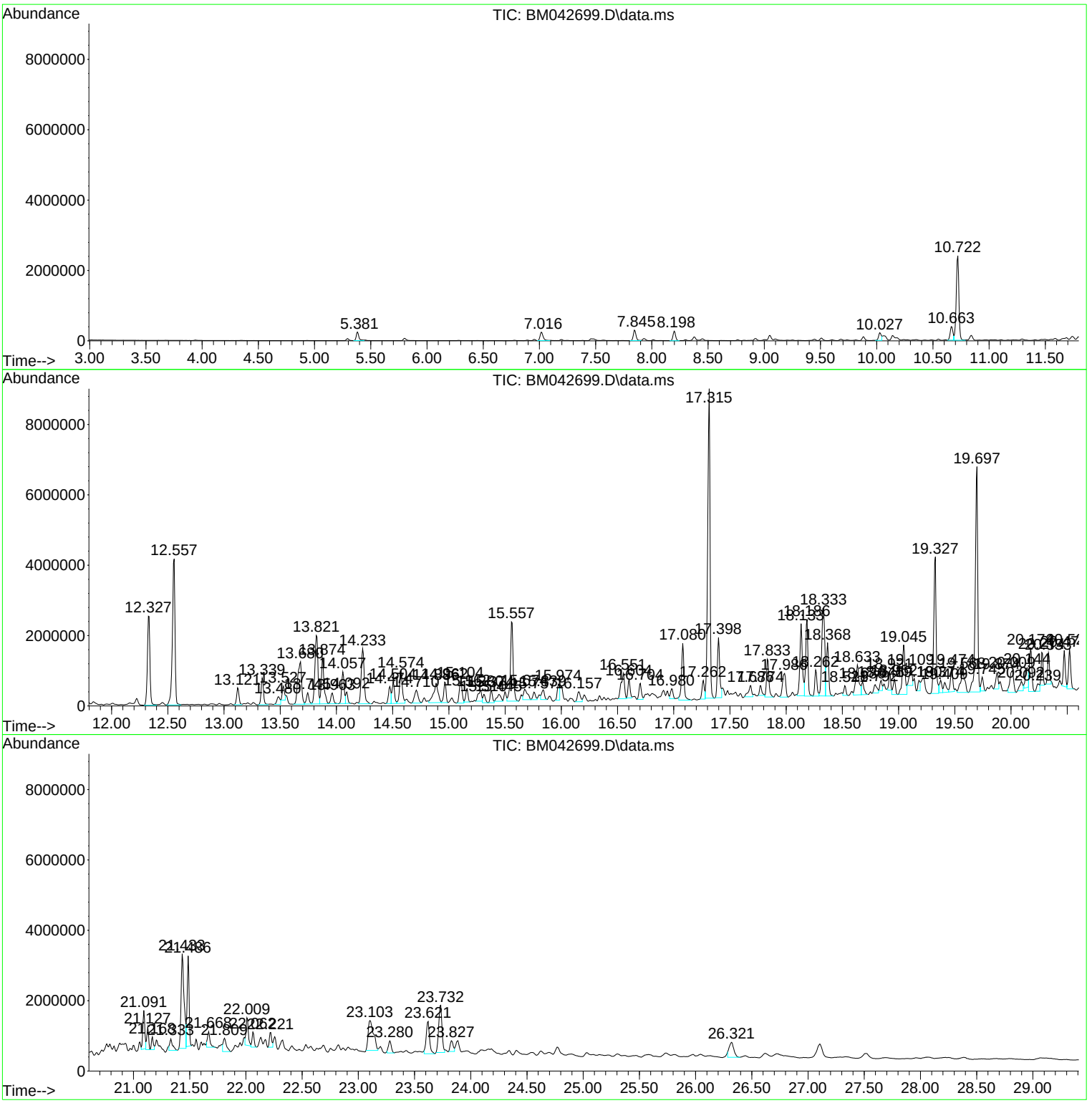
Sum of corrected areas: 153663043

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042699.D
Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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 : BM042699.D
Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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

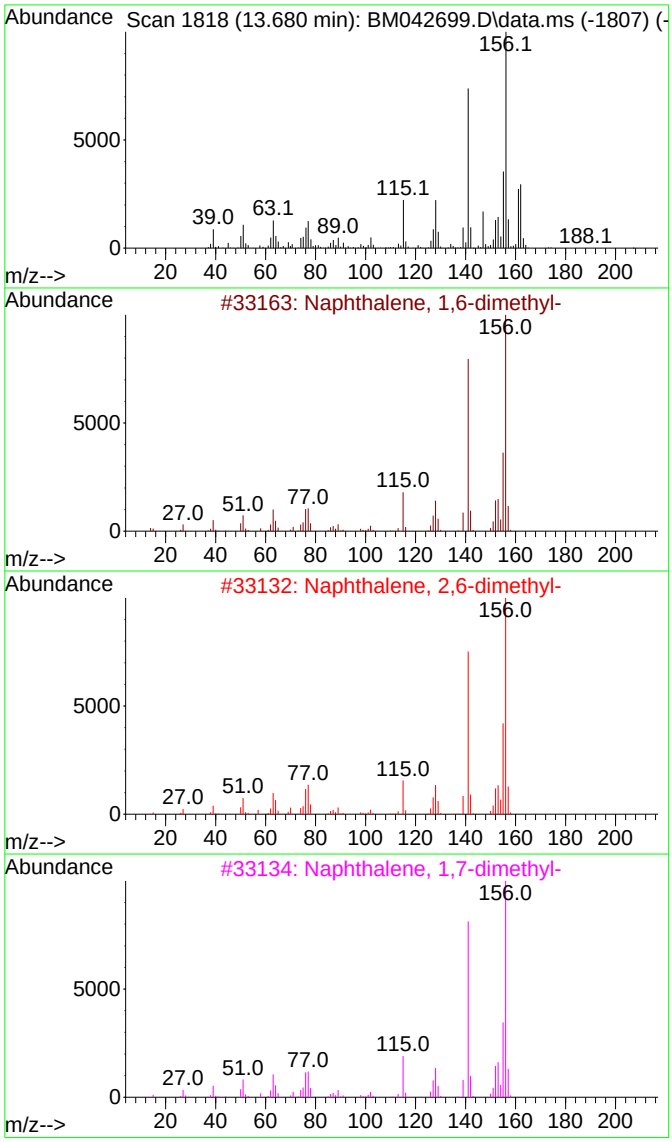
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

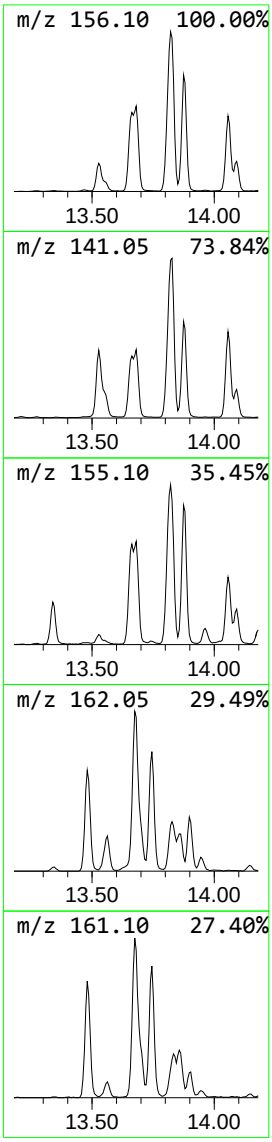
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.680	64.86 ng	2860590	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042699.D
Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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

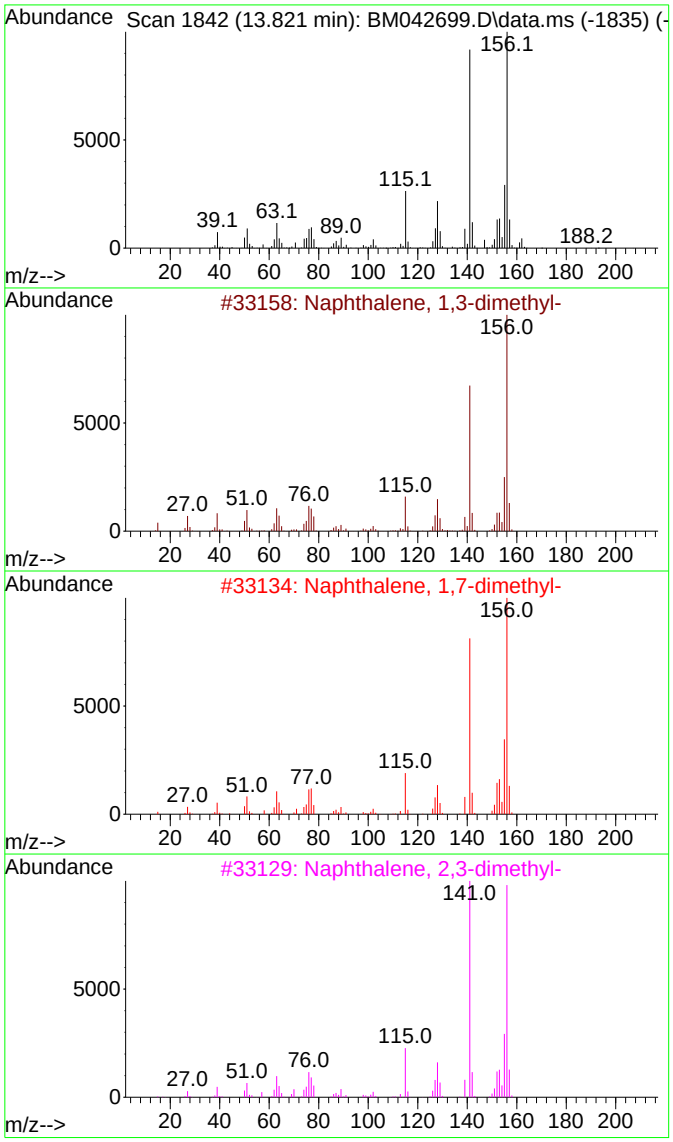
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

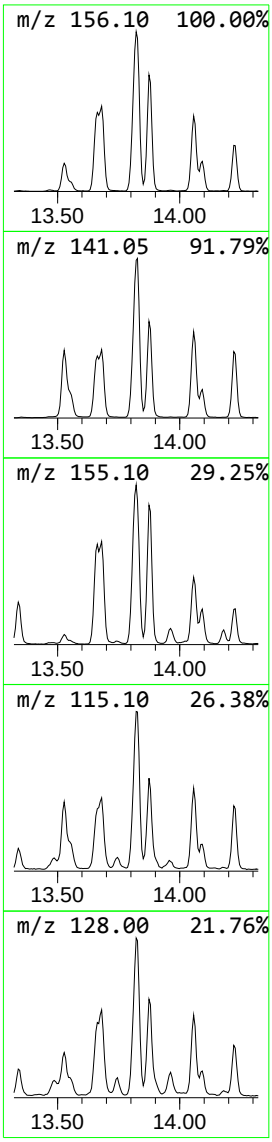
****

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.821	82.15 ng	3622760	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042699.D
Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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

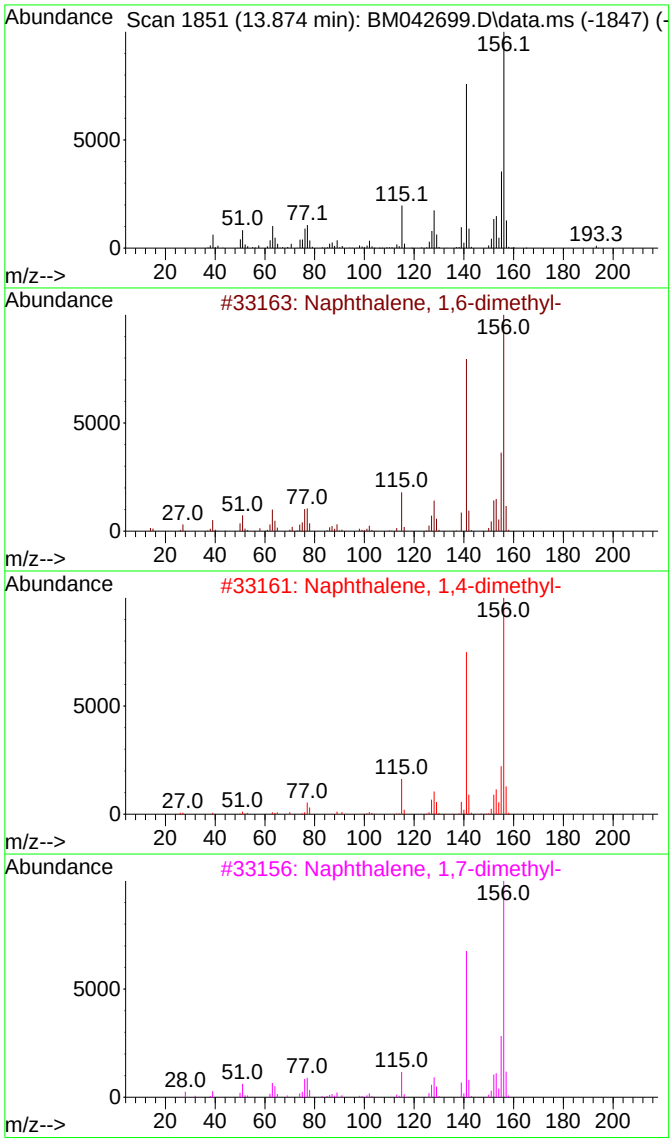
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

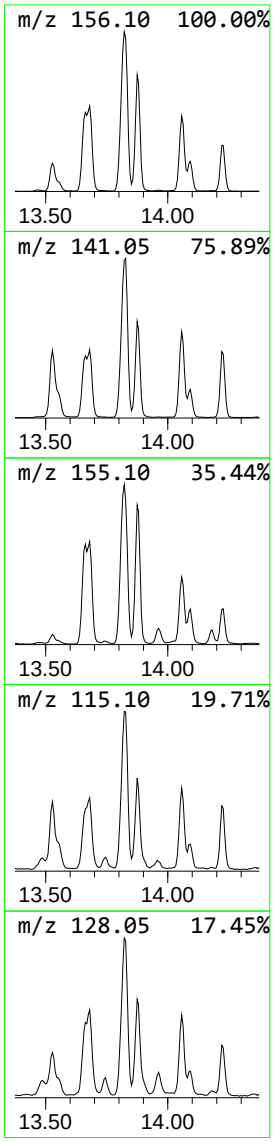
****

Peak Number 3 Naphthalene, 1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	48.85 ng	2154350	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042699.D
Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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

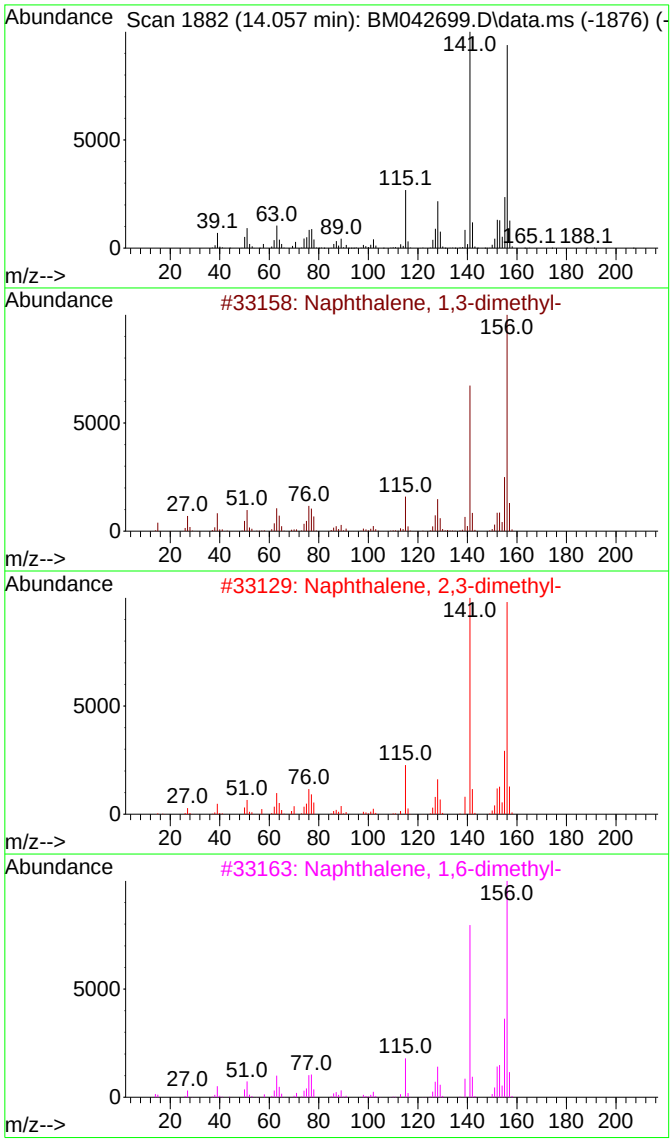
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

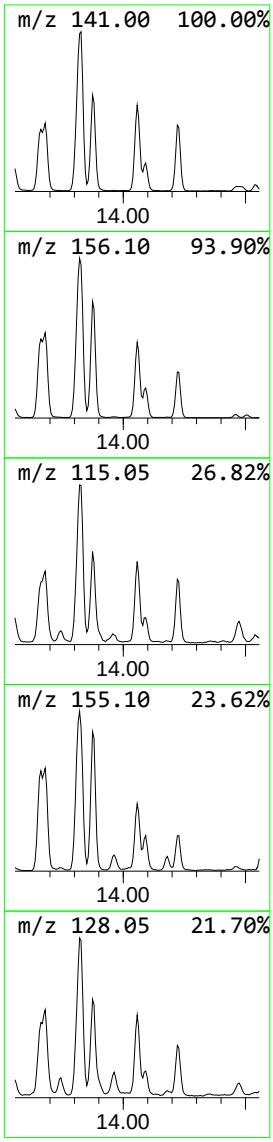
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.057	31.20 ng	1375950	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042699.D
Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

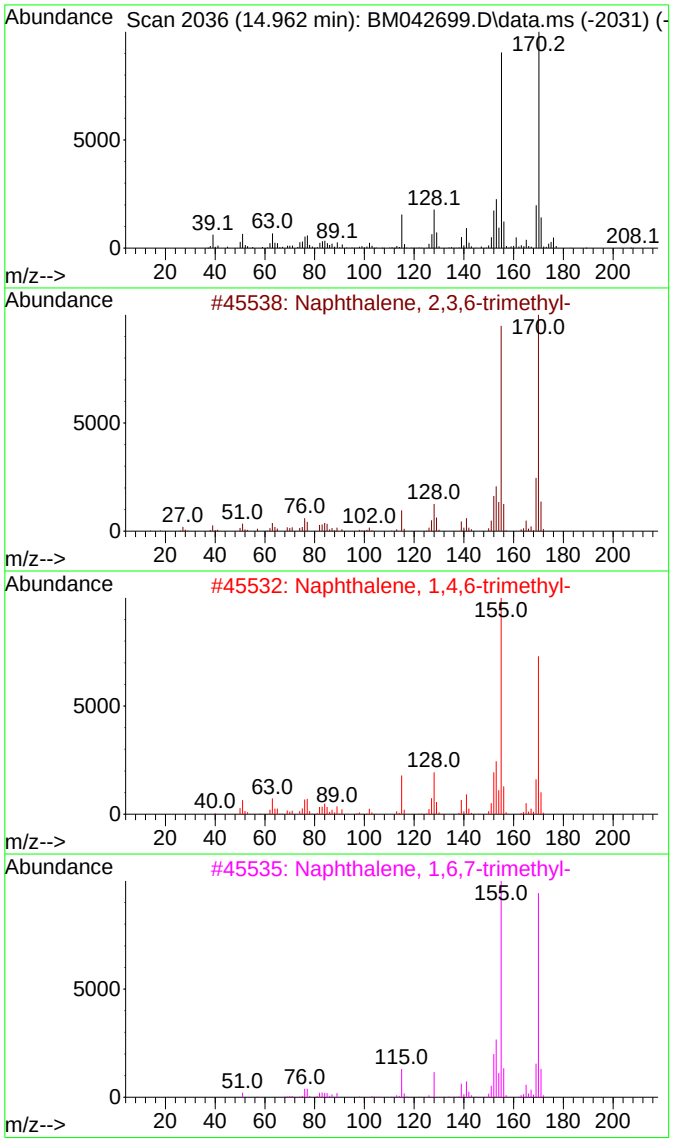
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

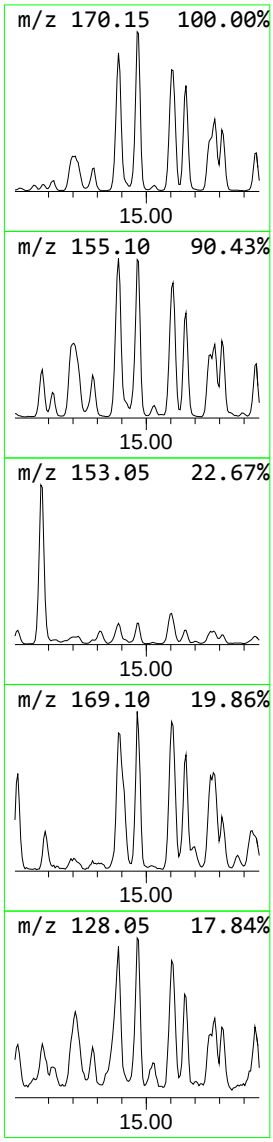
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.963	18.78 ng	828175	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93





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Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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

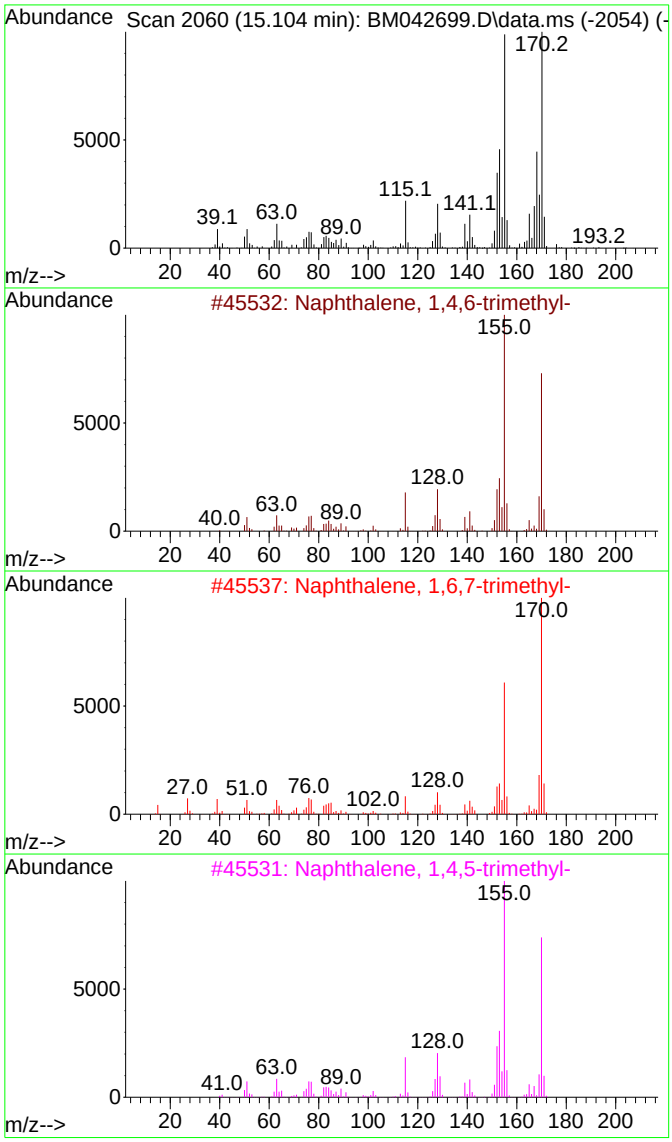
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

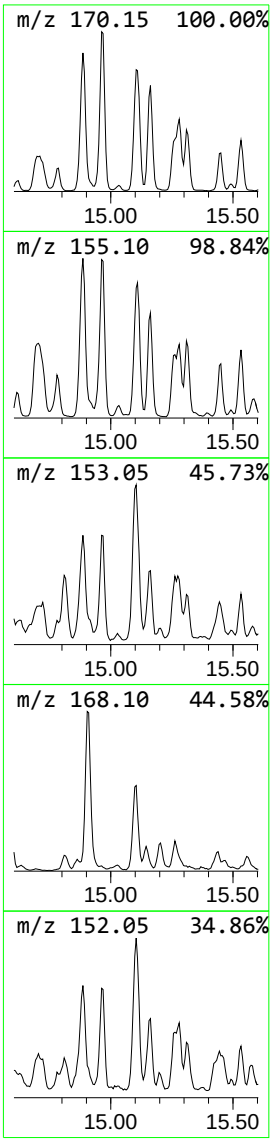
****

Peak Number 6 Naphthalene, 1,4,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	24.80 ng	1093890	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	92
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	86
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	70
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	70





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Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
L-3(120FT)(0-5)

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

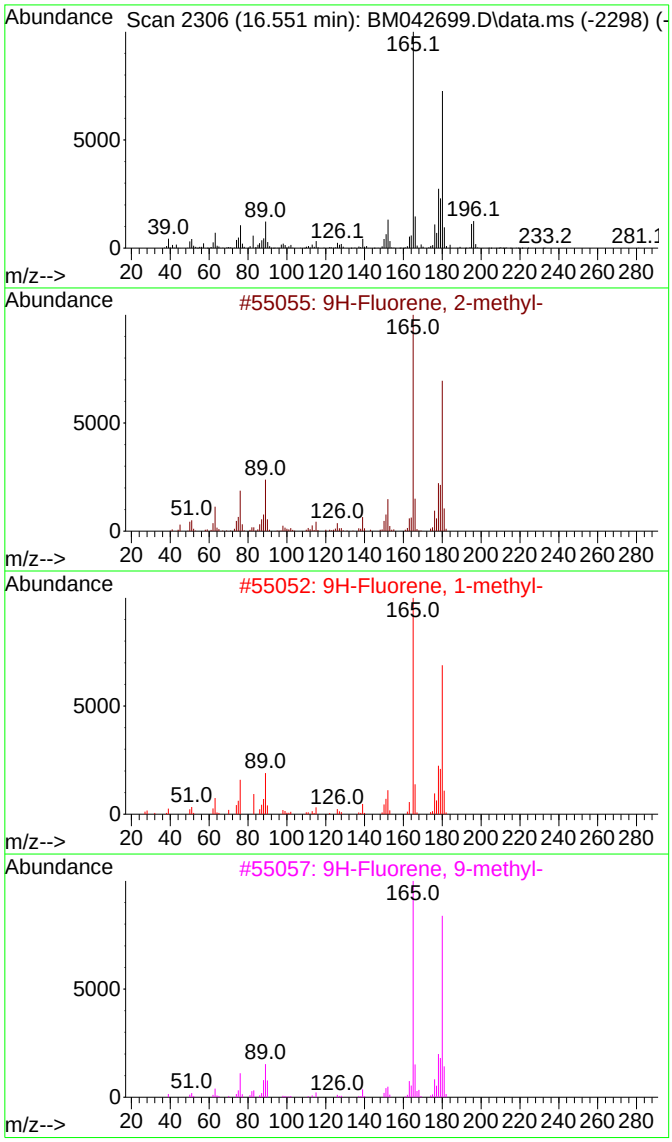
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

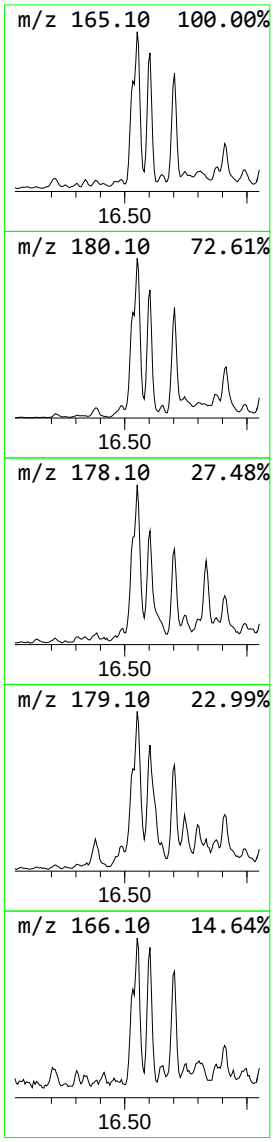
****

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.551	38.60 ng	1527150	Phenanthrene-d10	17.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	70





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Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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

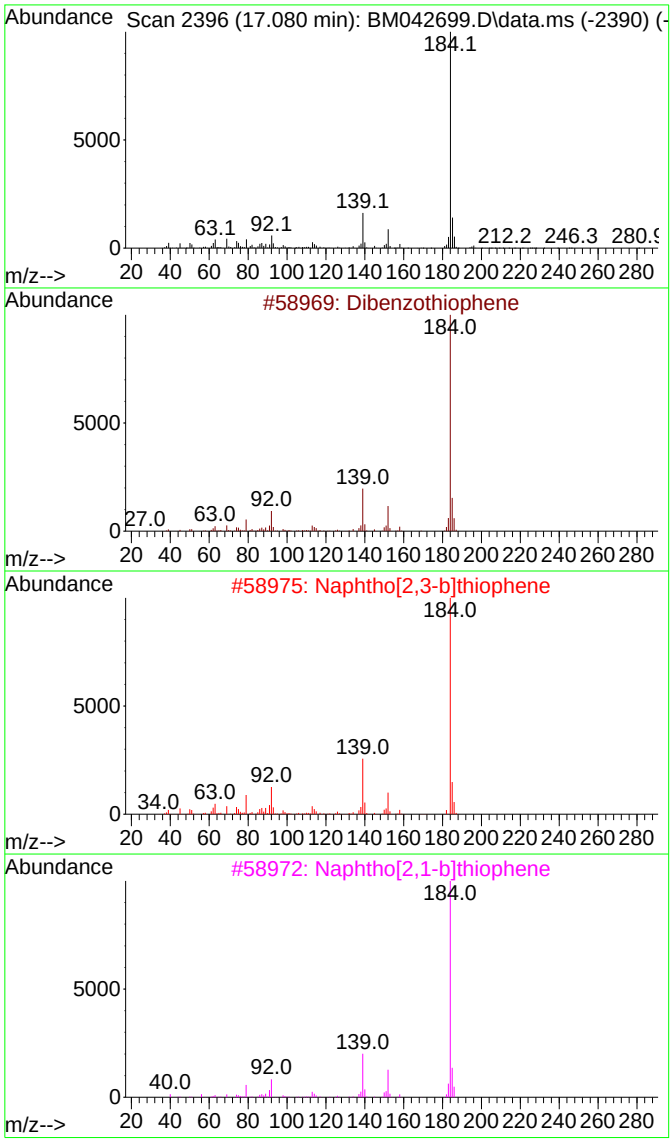
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

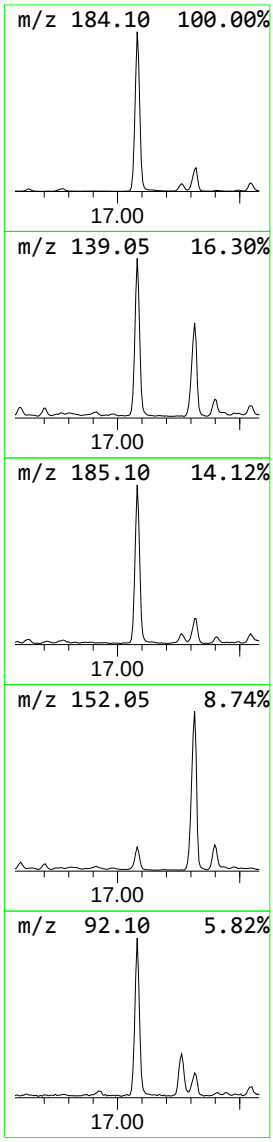
****

Peak Number 8 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.080	61.33 ng	2426730	Phenanthrene-d10	17.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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

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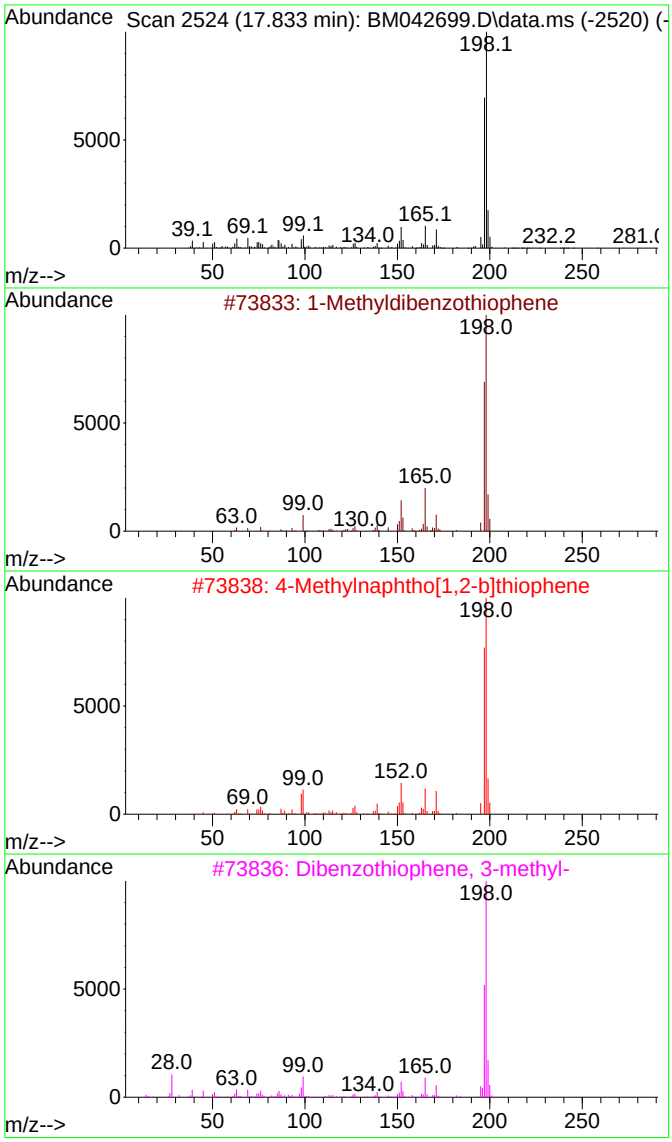
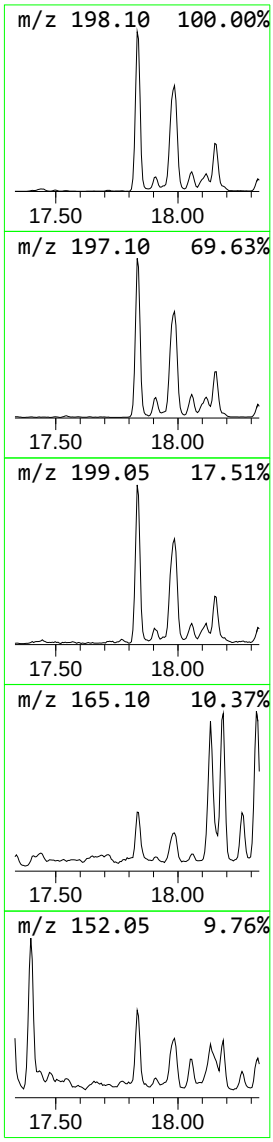
Peak Number 9 1-Methyldibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.833	39.88 ng	1578030	Phenanthrene-d10	17.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	96
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	95
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93





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Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

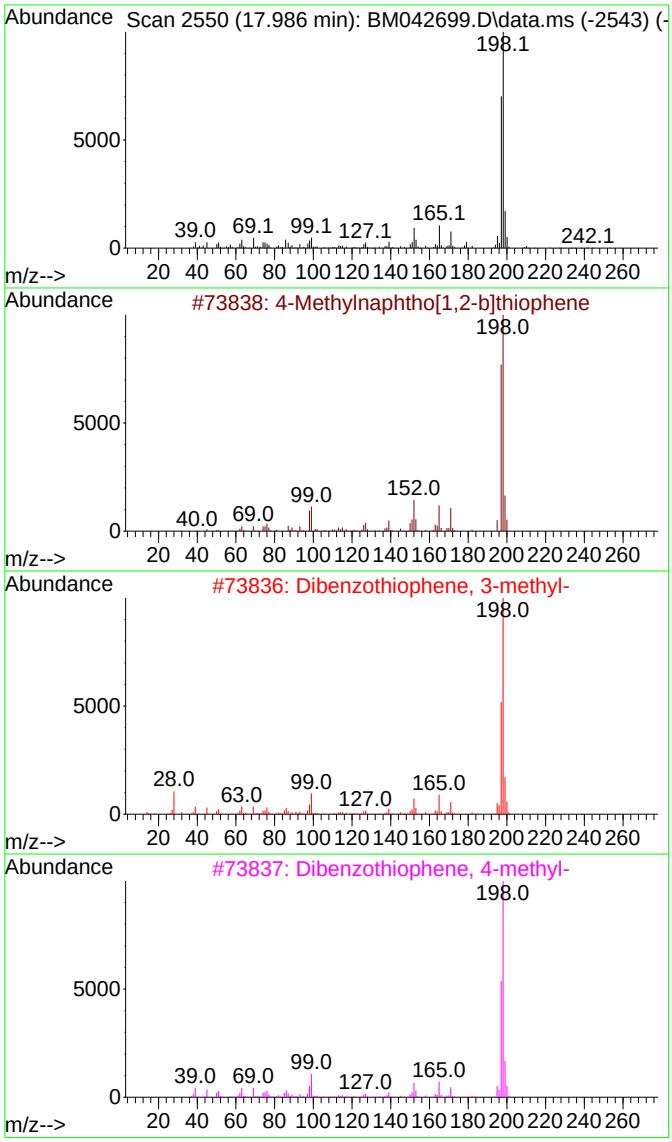
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

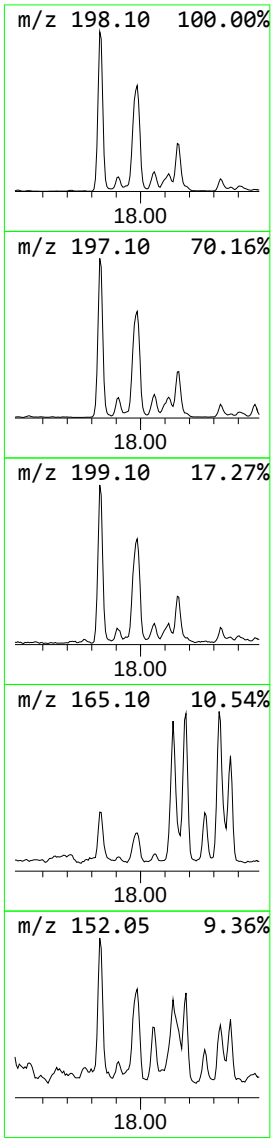
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.986	34.34 ng	1358710	Phenanthrene-d10	17.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	96
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93
5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	83





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Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
L-3(120FT)(0-5)

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

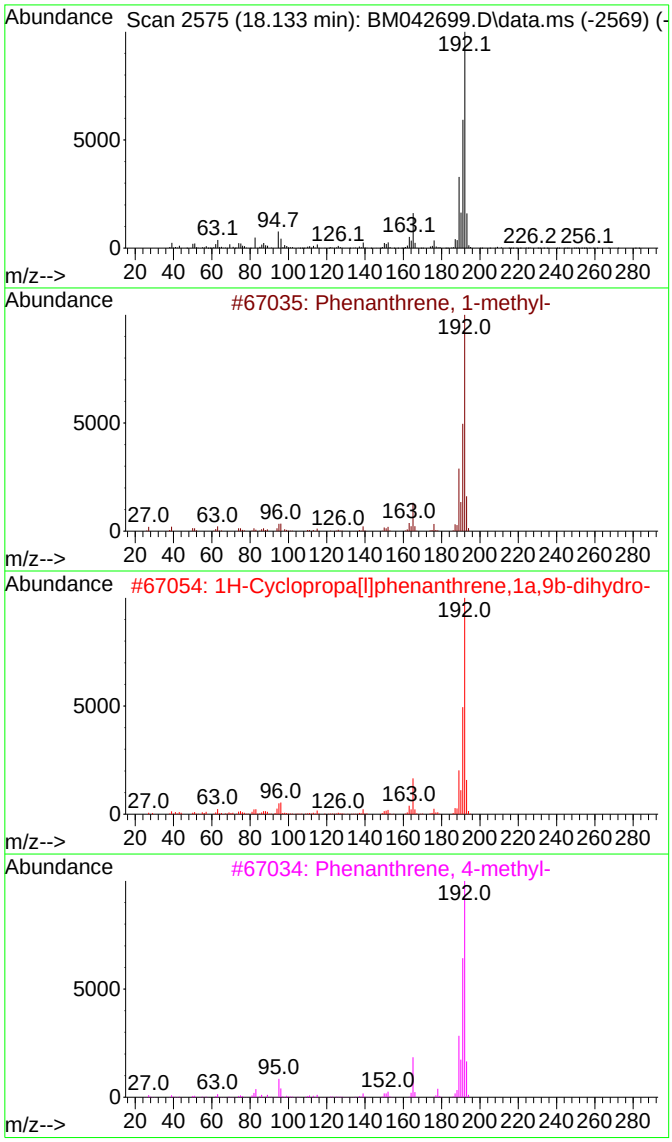
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

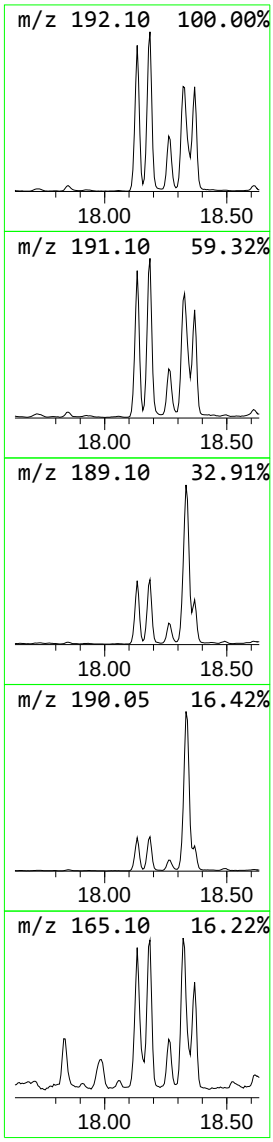
****

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.133	81.71 ng	3233190	Phenanthrene-d10	17.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

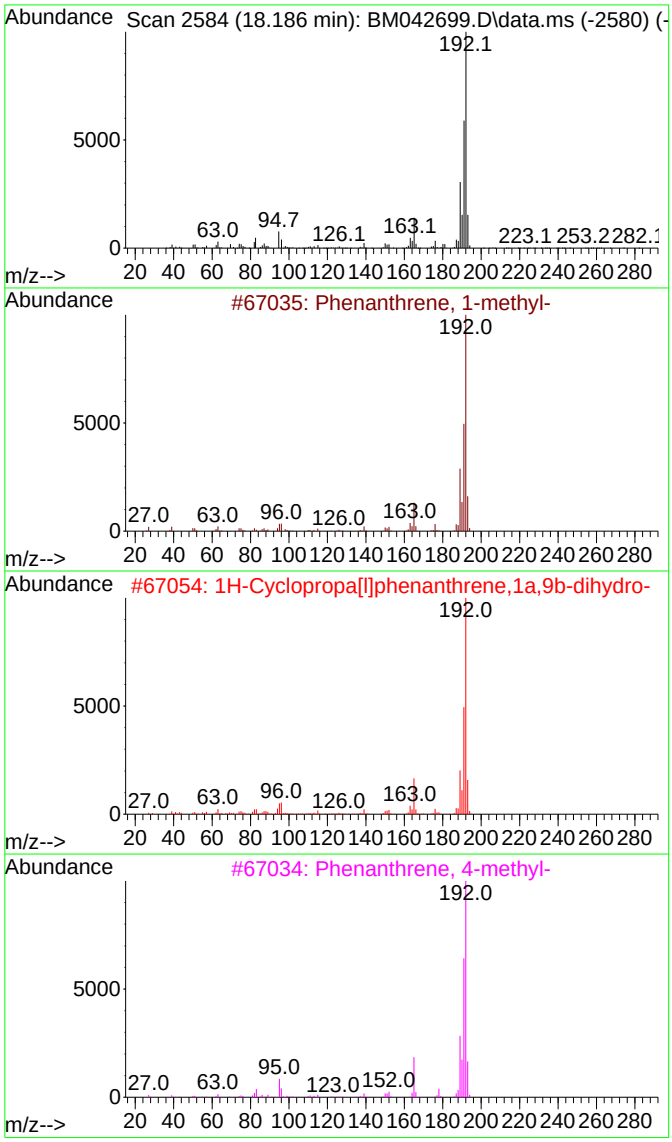
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

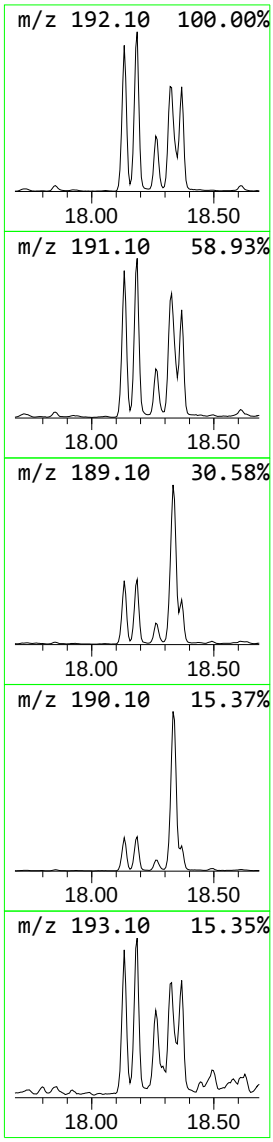
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.186	75.06 ng	2969950	Phenanthrene-d10	17.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
L-3(120FT)(0-5)

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

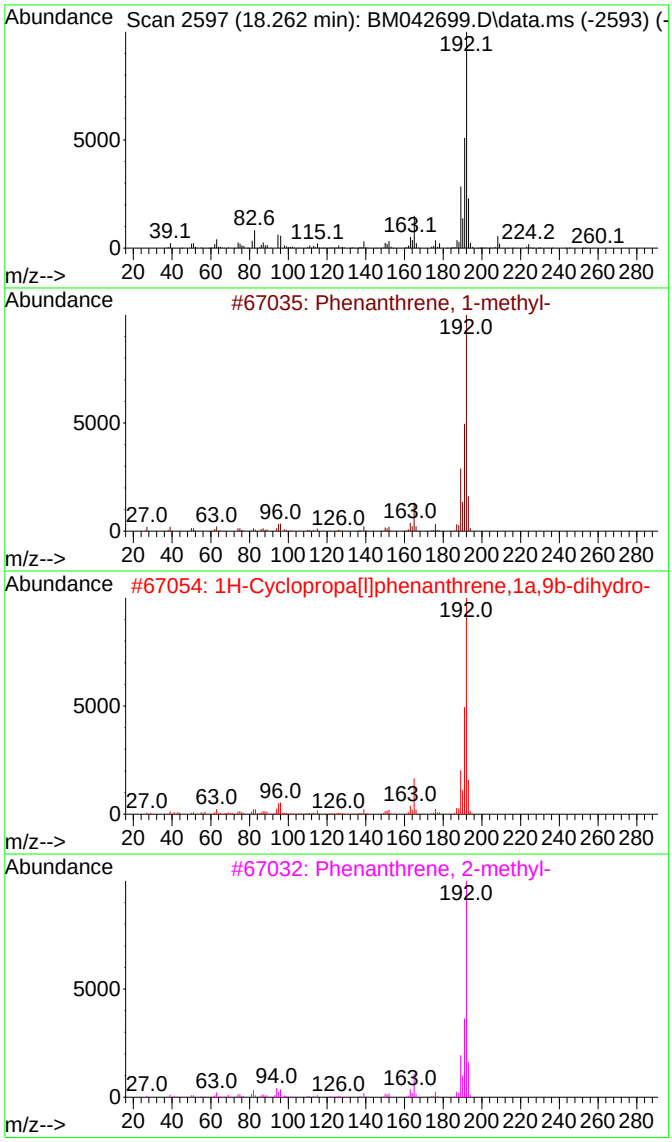
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

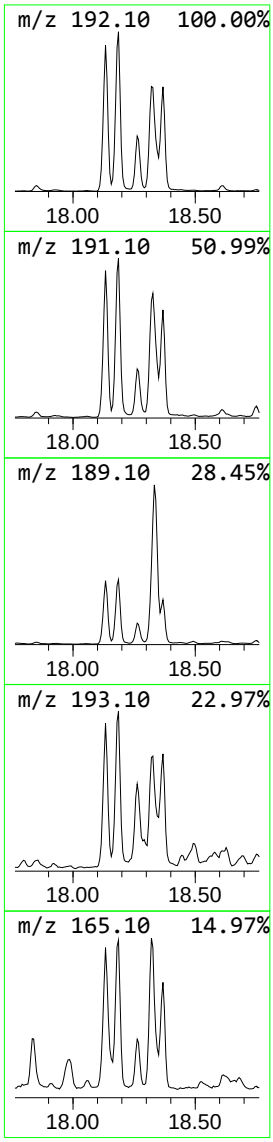
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.262	25.92 ng	1025510	Phenanthrene-d10	17.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
L-3(120FT)(0-5)

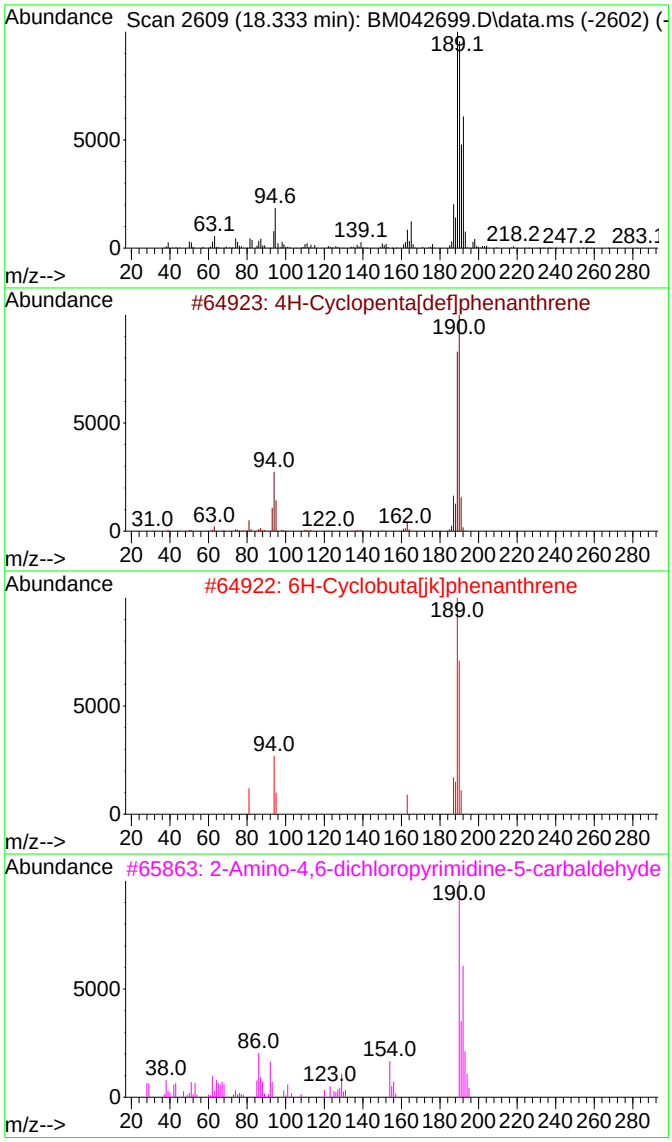
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

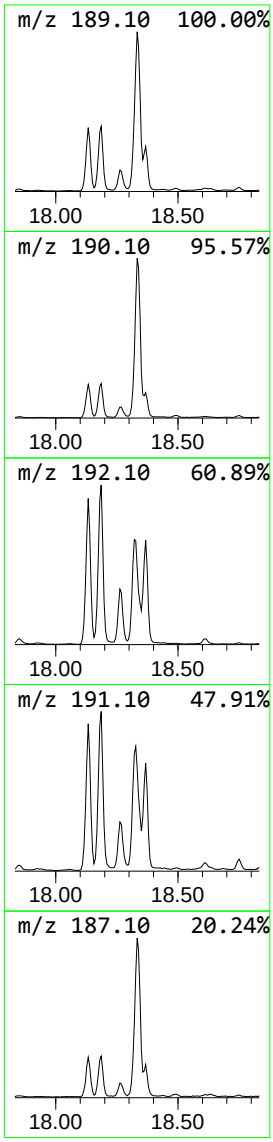
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.333	119.70 ng	4736320	Phenanthrene-d10	17.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	2-Amino-4,6-dichloropyrimidine-5...	191	C5H3Cl2N3O	005604-46-6	38
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20





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ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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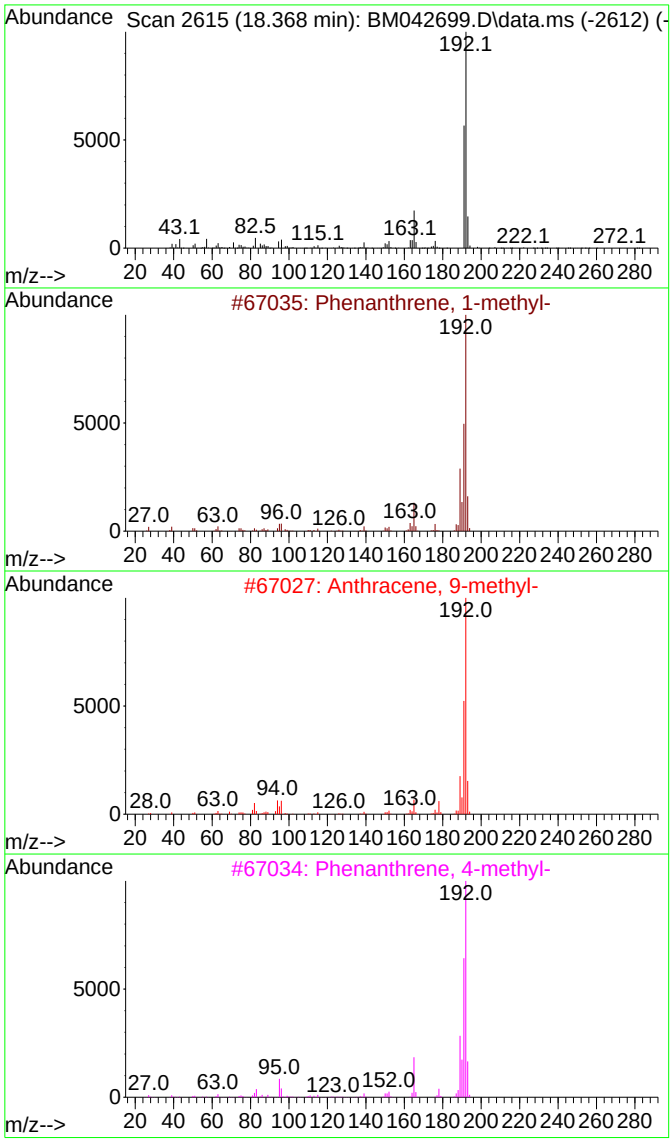
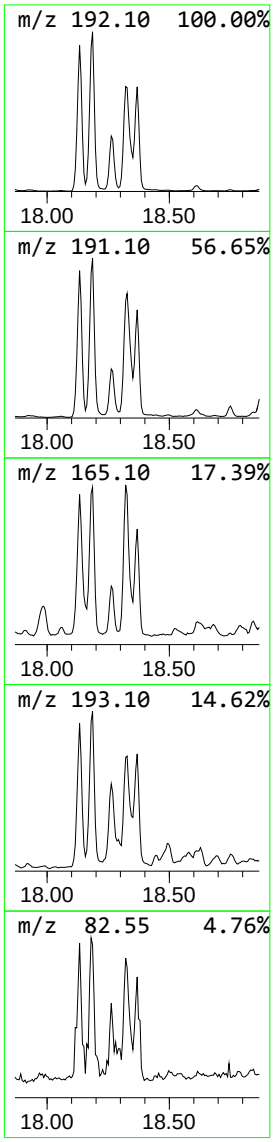
****

Peak Number 15 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.368	51.02 ng	2018590	Phenanthrene-d10	17.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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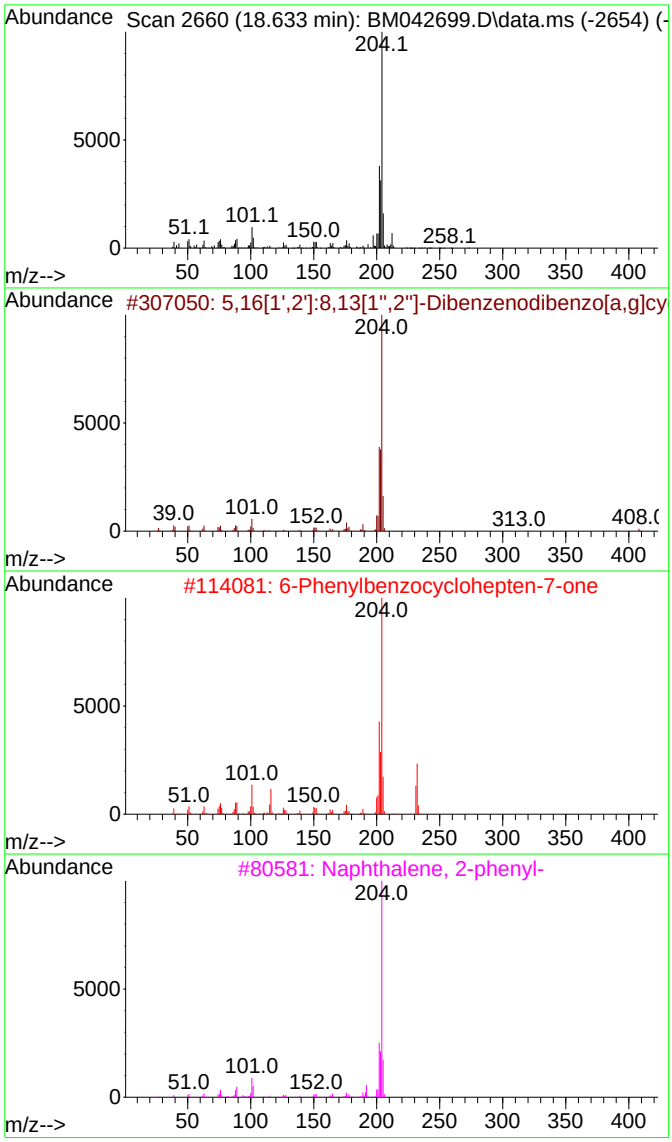
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

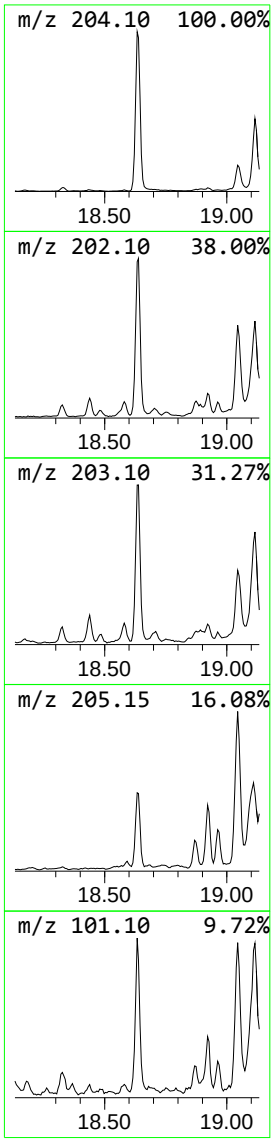
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.633	45.59 ng	1804000	Phenanthrene-d10	17.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70





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Data File : BM042699.D
Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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

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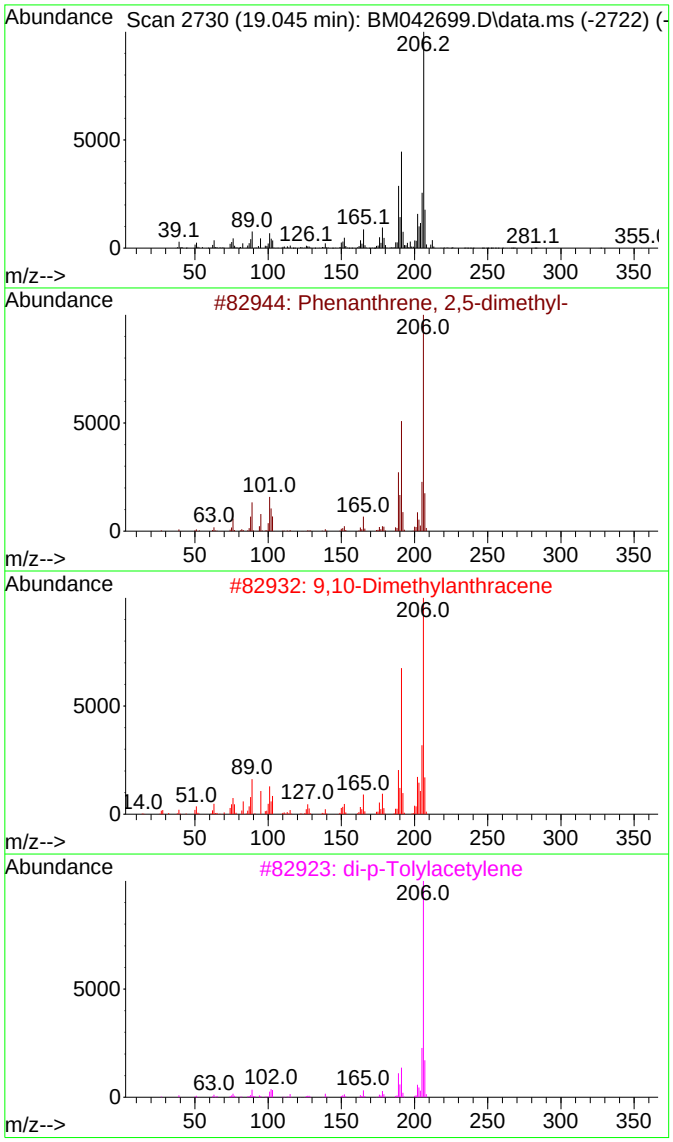
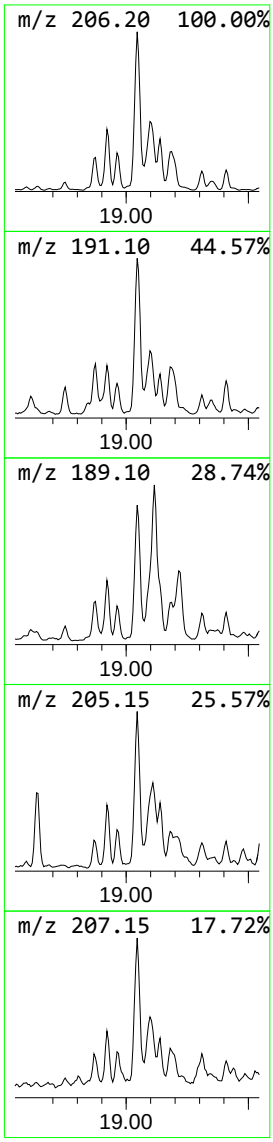
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.045	62.16 ng	2459360	Phenanthrene-d10	17.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91





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Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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

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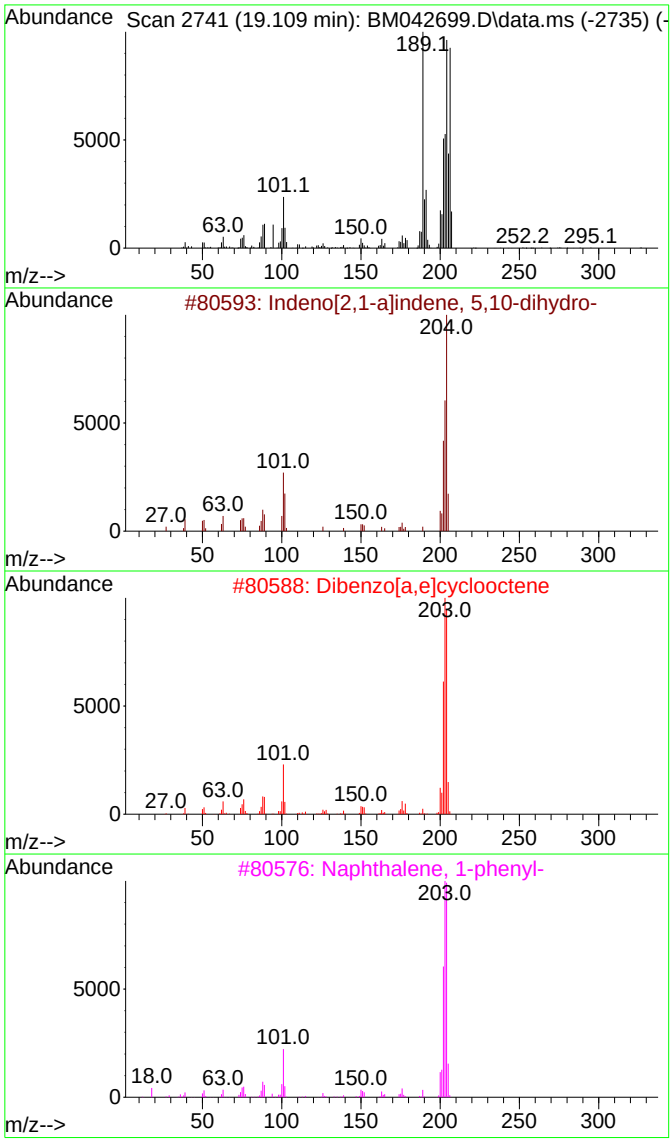
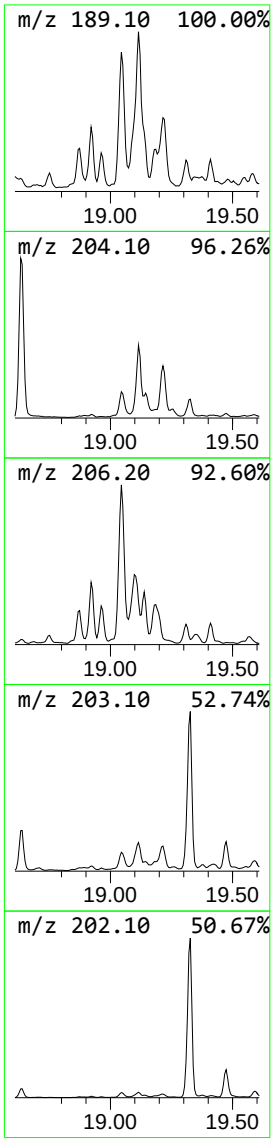
Peak Number 18 Indeno[2,1-a]indene, 5,10-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.109	22.39 ng	885763	Phenanthrene-d10	17.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	51
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	45
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	44
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42





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Data File : BM042699.D
Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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

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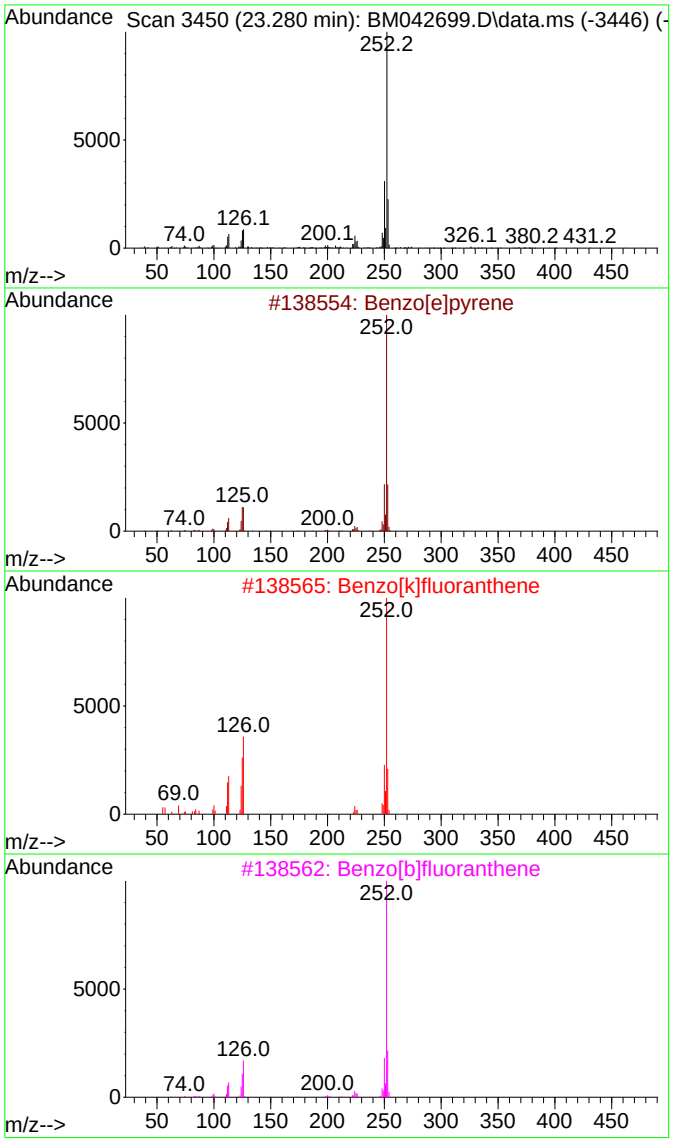
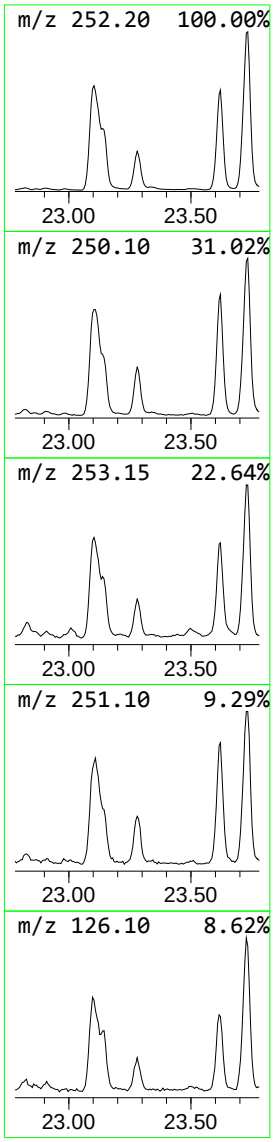
Peak Number 19 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.280	20.74 ng	603055	Perylene-d12	23.827

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	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	83





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Data File : BM042699.D
Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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

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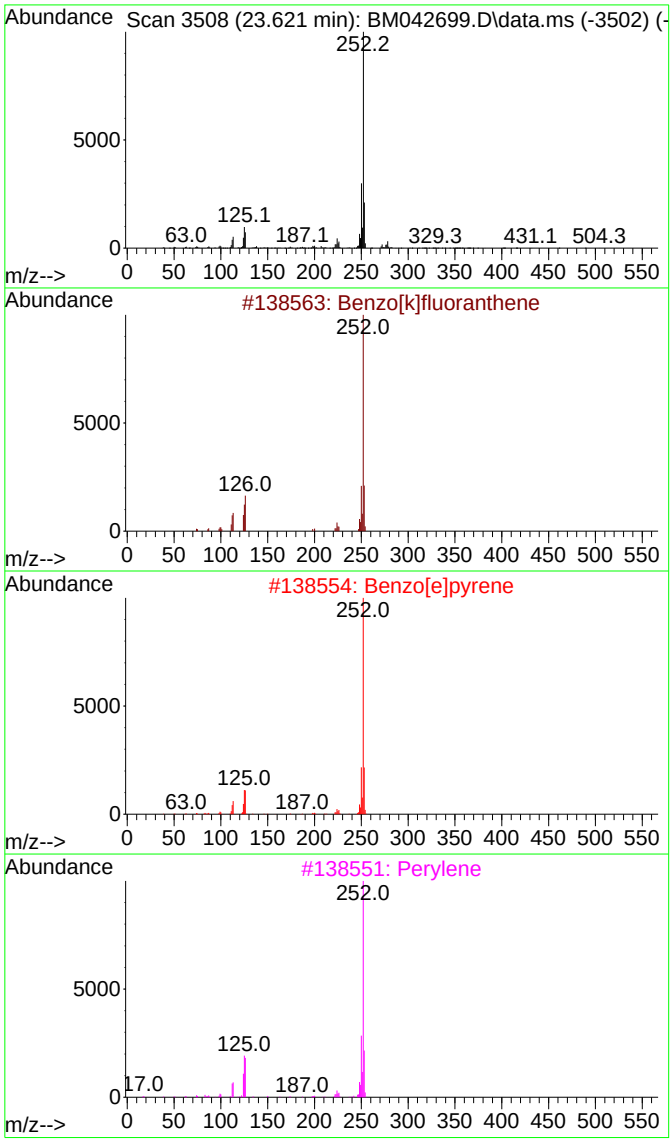
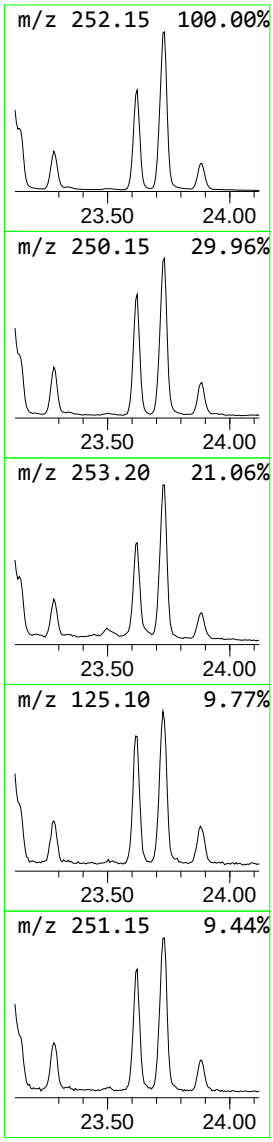
Peak Number 20 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.621	64.30 ng	1869170	Perylene-d12	23.827

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	Perylene	252	C20H12	000198-55-0	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042699.D
Acq On : 10 Nov 2023 19:46
Operator : MA/JU
Sample : 05253-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(120FT)(0-5)

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
Naphthalene, 1,...	13.680	64.9	ng	2860590	3	14.504	882039	20.0
Naphthalene, 1,...	13.821	82.2	ng	3622760	3	14.504	882039	20.0
Naphthalene, 1,...	13.874	48.9	ng	2154350	3	14.504	882039	20.0
Naphthalene, 2,...	14.057	31.2	ng	1375950	3	14.504	882039	20.0
Naphthalene, 2,...	14.963	18.8	ng	828175	3	14.504	882039	20.0
Naphthalene, 1,...	15.104	24.8	ng	1093890	3	14.504	882039	20.0
9H-Fluorene, 2-...	16.551	38.6	ng	1527150	4	17.262	791340	20.0
Dibenzothiophene	17.080	61.3	ng	2426730	4	17.262	791340	20.0
1-Methyldibenzo...	17.833	39.9	ng	1578030	4	17.262	791340	20.0
4-Methylnaphtho...	17.986	34.3	ng	1358710	4	17.262	791340	20.0
Phenanthrene, 1...	18.133	81.7	ng	3233190	4	17.262	791340	20.0
1H-Cyclopropa[l...	18.186	75.1	ng	2969950	4	17.262	791340	20.0
Phenanthrene, 2...	18.262	25.9	ng	1025510	4	17.262	791340	20.0
4H-Cyclopenta[d...	18.333	119.7	ng	4736320	4	17.262	791340	20.0
Anthracene, 9-m...	18.368	51.0	ng	2018590	4	17.262	791340	20.0
5,16[1',2']:8,1...	18.633	45.6	ng	1804000	4	17.262	791340	20.0
Phenanthrene, 2...	19.045	62.2	ng	2459360	4	17.262	791340	20.0
Indeno[2,1-a]in...	19.109	22.4	ng	885763	4	17.262	791340	20.0
Benzo[e]pyrene	23.280	20.7	ng	603055	6	23.827	581432	20.0
Perylene	23.621	64.3	ng	1869170	6	23.827	581432	20.0