LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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: BM042700.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.293	386	392	401	rBV	45664	72338	1.71%	0.153%
2	5.381	401	407	417	rBV	158884	277997	6.58%	0.590%
3	7.016	679	685	697	rBV	159361	294732	6.98%	0.625%
4	7.457	756	760	775	rVB2	27936	65425	1.55%	0.139%
5	7.845	820	826	836	rBV	250809	406042	9.61%	0.861%
6	8.198	878	886	895	rBV	186540	295236	6.99%	0.626%
7	9.051	1024	1031	1036	rBV	96936	172856	4.09%	0.367%
8	10.075	1199	1205	1210	rVB2	27571	64384	1.52%	0.137%
9	10.139	1210	1216	1221	rBV	44995	90175	2.14%	0.191%
10	10.663	1299	1305	1309	rBV	310193	553497	13.11%	1.174%
11	10.722	1309	1315	1329	rVV	2660153	4223307	100.00%	8.957%
12	10.839	1329	1335	1346	rVB	89527	161902	3.83%	0.343%
13	12.222	1566	1570	1580	rVB	51857	88560	2.10%	0.188%
14	12.327	1580	1588	1600	rBV	1621504	2474039	58.58%	5.247%
15	12.451	1603	1609	1615	rVV	39688	76388	1.81%	0.162%
16	12.545	1615	1625	1642	rVB	1072041	1733283	41.04%	3.676%
17	13.121	1717	1723	1732	rBV	319787	482908	11.43%	1.024%
18	13.339	1754	1760	1768	rBV	258819	399864	9.47%	0.848%
19	13.480	1777	1784	1787	rBV	53860	100262	2.37%	0.213%
20	13.527	1787	1792	1807	rVB	341712	598407	14.17%	1.269%
21	13.674	1807	1817	1824	rBV2	273738	686617	16.26%	1.456%
22	13.739	1824	1828	1834	rVV	90480	146277	3.46%	0.310%
23	13.816	1834	1841	1846	rVV	423390	782384	18.53%	1.659%
24	13.874	1846	1851	1860	rVV	222023	425316	10.07%	0.902%
25	13.963	1860	1866	1873	rVB2	45308	82177	1.95%	0.174%
26	14.057	1875	1882	1885	rVV	189677	288086	6.82%	0.611%
27	14.086	1885	1887	1894	rVB	69657	87128	2.06%	0.185%
28	14.233	1905	1912	1925	rVB2	279713	526680	12.47%	1.117%
29	14.474	1946	1953	1954	rBV	146520	194541	4.61%	0.413%
30	14.504	1954	1958	1964	rVV	509667	748977	17.73%	1.588%
31	14.568	1964	1969	1976	rVV	853205	1209327	28.63%	2.565%
32	14.710	1986	1993	2000	rVB2	71167	164821	3.90%	0.350%
33	14.886	2008	2023	2031	rVV5	111009	365598	8.66%	0.775%
34	14.963	2031	2036	2041	rVV	108614	150128	3.55%	0.318%
35	15.104	2054	2060	2065	rBV2	152420	268037	6.35%	0.568%
36	15.157	2065	2069	2073	rVV2	81401	118766	2.81%	0.252%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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	15.280	2082	2090	2093	rVV4	65479	143841	3.41%	0.305%
38	15.374	2101	2106	2111	rBV	108040	158871	3.76%	0.337%
39	15.451	2111	2119	2123	rVV5	33302	104754	2.48%	0.222%
40	15.498	2123	2127	2131	rVV	117969	171315	4.06%	0.363%
41	15.557	2131	2137	2147	rVV	510698	880658	20.85%	1.868%
42	15.639	2147	2151	2154	rVV	85009	132729	3.14%	0.282%
43	15.674	2154	2157	2166	rVV8	88343	233957	5.54%	0.496%
44	15.757	2166	2171	2176	rVV	94395	177581	4.20%	0.377%
45	15.798	2176	2178	2181	rVV2	51891	80962	1.92%	0.172%
46	15.839	2181	2185	2189	rVV	80660	150404	3.56%	0.319%
47	15.892	2191	2194	2200	rVB2	53384	90936	2.15%	0.193%
48	15.968	2202	2207	2209	rVV	130827	194724	4.61%	0.413%
49	15.998	2209	2212	2222	rVV2	280408	459886	10.89%	0.975%
50	16.157	2233	2239	2244	rBV	103971	184906	4.38%	0.392%
51	16.204	2244	2247	2253	rVB4	41676	75160	1.78%	0.159%
52	16.551	2298	2306	2311	rBV	156259	324933	7.69%	0.689%
53	16.598	2311	2314	2319	rVV	91476	120562	2.85%	0.256%
54	16.698	2327	2331	2336	rBV	110559	170603	4.04%	0.362%
55	16.980	2375	2379	2385	rVB2	109497	158715	3.76%	0.337%
56	17.080	2390	2396	2408	rVB	430547	690186	16.34%	1.464%
57	17.257	2421	2426	2430	rBV	562210	850289	20.13%	1.803%
58	17.304	2430	2434	2443	rVB	2543849	3401316	80.54%	7.214%
59	17.392	2444	2449	2455	rBV	587729	841328	19.92%	1.784%
60	17.592	2479	2483	2486	rVB2	47718	65222	1.54%	0.138%
61	17.768	2509	2513	2519	rVV	94018	132568	3.14%	0.281%
62	17.833	2519	2524	2533	rVB	294916	441024	10.44%	0.935%
63	17.980	2543	2549	2555	rVB	180296	386296	9.15%	0.819%
64	18.127	2568	2574	2579	rBV	526517	869195	20.58%	1.843%
65	18.180	2579	2583	2588	rVV	536858	738193	17.48%	1.566%
66	18.256	2592	2596	2601	rBV	191093	268485	6.36%	0.569%
67	18.327	2602	2608	2612	rVV2	626530	1242678	29.42%	2.636%
68	18.362	2612	2614	2622	rVB	336832	409544	9.70%	0.869%
69	18.521	2638	2641	2646	rVB	76467	90459	2.14%	0.192%
70	18.633	2654	2660	2665	rBV	239360	458645	10.86%	0.973%
71	18.786	2682	2686	2690	rBV4	75107	138287	3.27%	0.293%
72	18.839	2692	2695	2698	rVV2	67766	87957	2.08%	0.187%
73	18.915	2705	2708	2712	rVB	106095	126771	3.00%	0.269%
74	18.962	2712	2716	2720	rVB2	115790	159375	3.77%	0.338%
75	19.039	2722	2729	2734	rBV	324724	571132	13.52%	1.211%
76	19.103	2735	2740	2743	rBV3	105501	178822	4.23%	0.379%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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

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

77	19.180	2749	2753	2755	rBV2	59486	92593	2.19%	0.196%
78	19.315	2771	2776	2783	rBV	934882	1351669	32.00%	2.867%
79	19.468	2798	2802	2809	rVB	259885	363604	8.61%	0.771%
80	19.568	2816	2819	2827	rVB2	156987	319846	7.57%	0.678%
81	19.650	2829	2833	2834	rBV2	58823	80778	1.91%	0.171%
82	19.686	2834	2839	2845	rVV	1669126	2116794	50.12%	4.489%
83	19.739	2846	2848	2854	rVB6	69477	94860	2.25%	0.201%
84	19.874	2867	2871	2884	rVB	475871	670644	15.88%	1.422%
85	19.998	2888	2892	2899	rVB3	148844	324143	7.68%	0.687%
86	20.139	2912	2916	2918	rBV3	134745	225132	5.33%	0.477%
87	20.174	2919	2922	2928	rVB	310805	425217	10.07%	0.902%
88	20.274	2935	2939	2943	rVV	229093	265380	6.28%	0.563%
89	20.333	2945	2949	2956	rVB	224581	335089	7.93%	0.711%
90	20.433	2963	2966	2969	rBV2	63456	82626	1.96%	0.175%
91	20.468	2969	2972	2976	rVV	217965	268924	6.37%	0.570%
92	20.515	2977	2980	2987	rVB	251355	353931	8.38%	0.751%
93	21.086	3074	3077	3081	rBV	235102	339451	8.04%	0.720%
94	21.127	3081	3084	3087	rVB2	137917	172599	4.09%	0.366%
95	21.439	3131	3137	3141	rBV3	816129	1714135	40.59%	3.635%
96	21.480	3141	3144	3149	rVB	550325	690375	16.35%	1.464%
97	22.003	3231	3233	3239	rVB	139976	180209	4.27%	0.382%
98	23.097	3414	3419	3431	rVB2	177917	556956	13.19%	1.181%
99	23.715	3519	3524	3530	rBV	279588	551695	13.06%	1.170%
100	23.821	3537	3542	3547	rBV	318145	533703	12.64%	1.132%

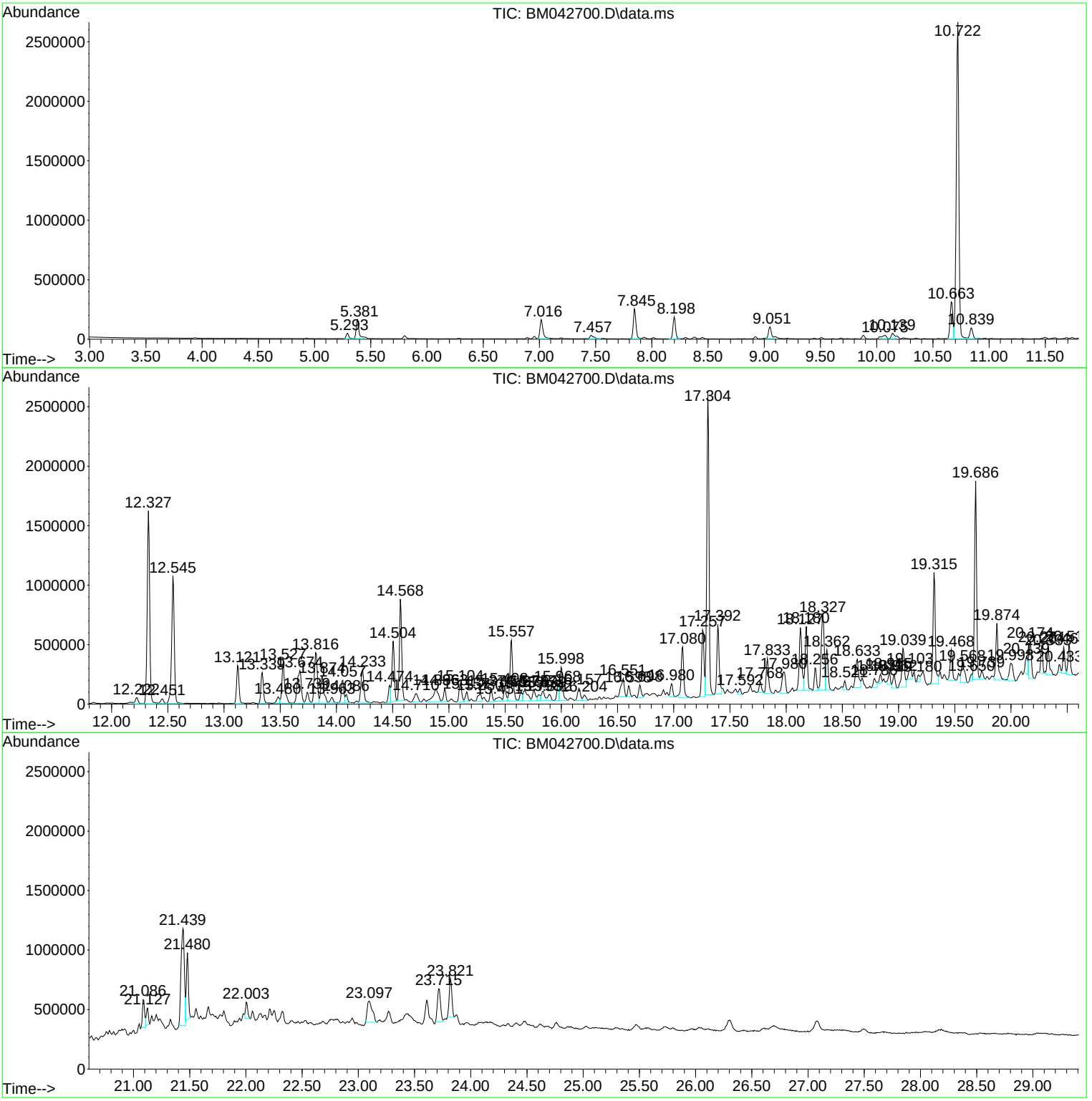
Sum of corrected areas: 47150084

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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 : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
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Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(0-5)

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

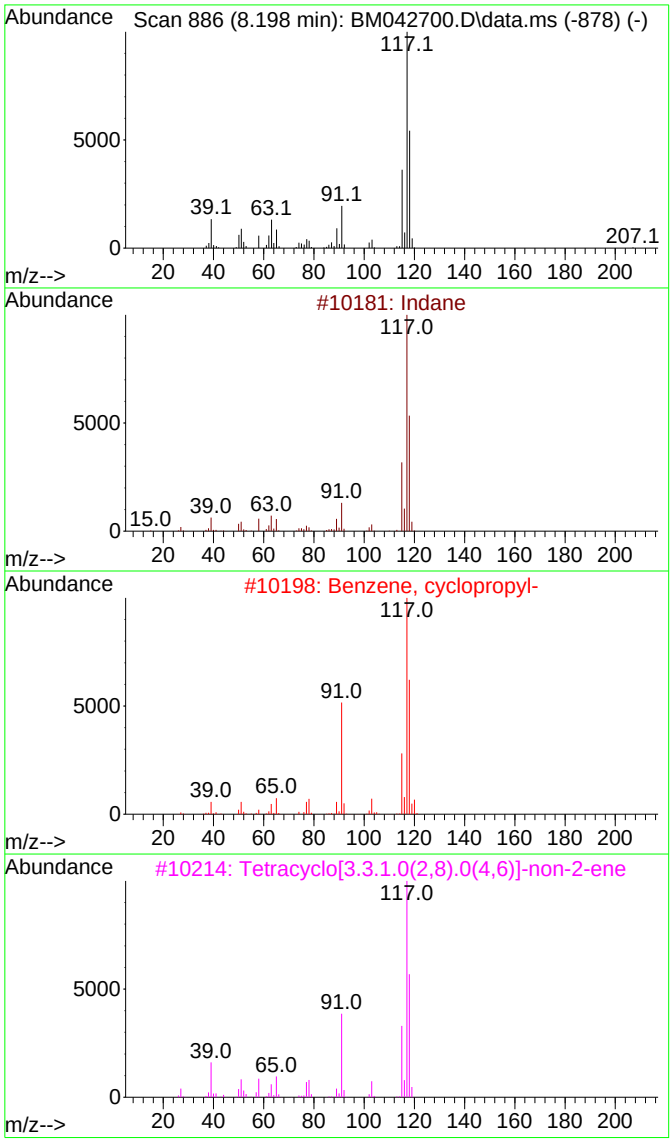
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

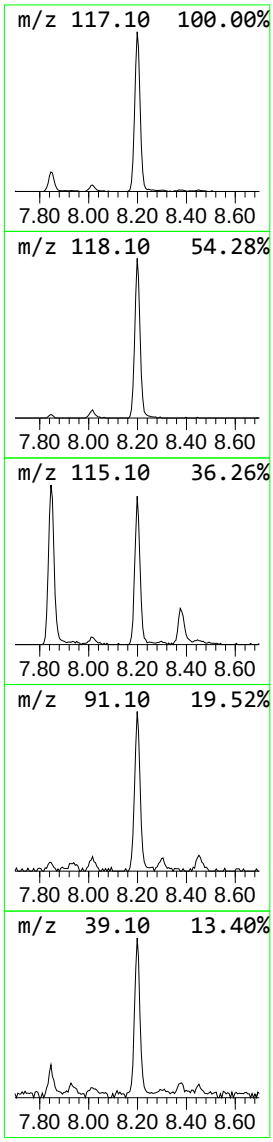
****

Peak Number 1 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.198	14.54 ng	295236	1,4-Dichlorobenzene-d4	7.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
4	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	58
5	Deltacyclene	118	C9H10	007785-10-6	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(0-5)

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

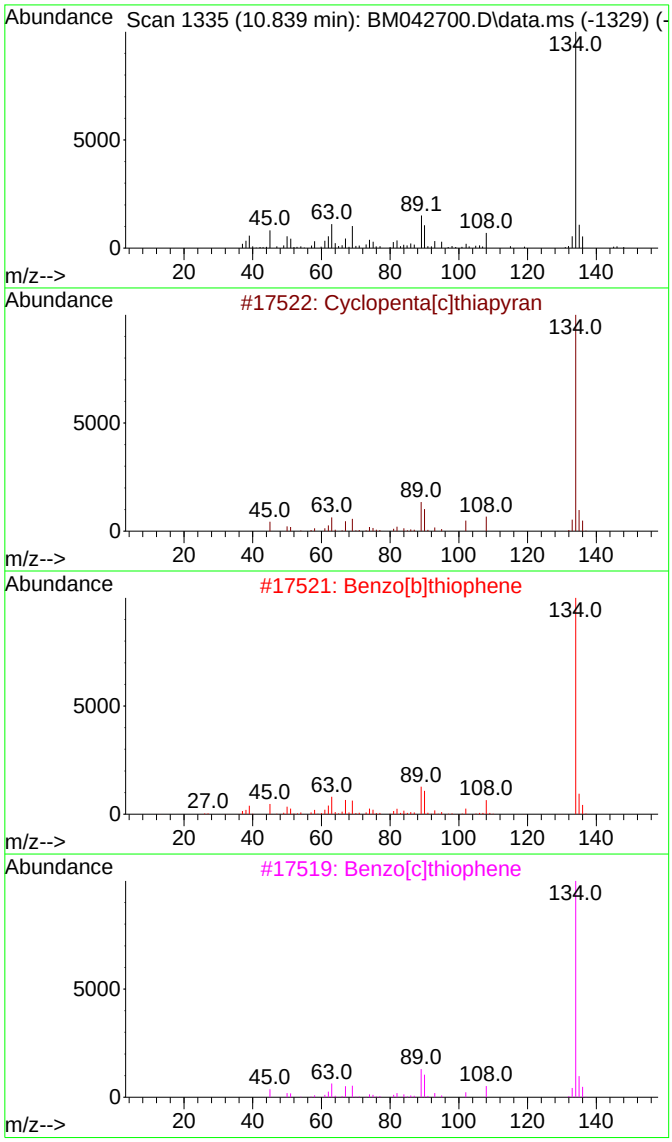
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

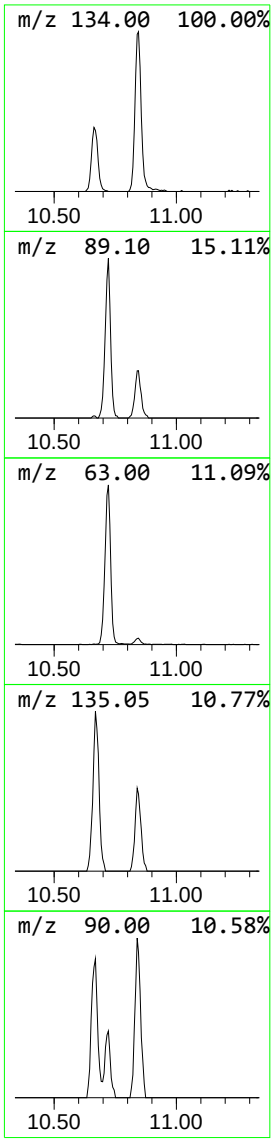
****

Peak Number 2 Cyclopenta[c]thiapyran Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.839	5.85 ng	161902	Naphthalene-d8	10.663

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3	Benzo[c]thiophene	134	C8H6S	000270-82-6	91
4	2-Benzoxazolamine	134	C7H6N2O	004570-41-6	53
5	3-Deazaadenine	134	C6H6N4	006811-77-4	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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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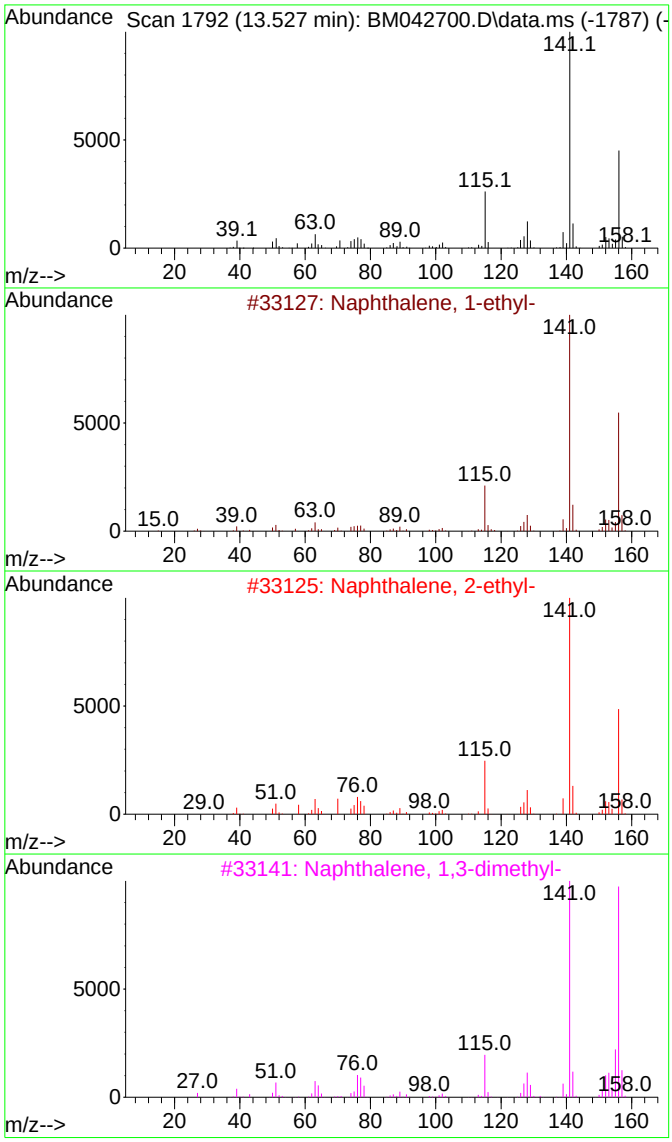
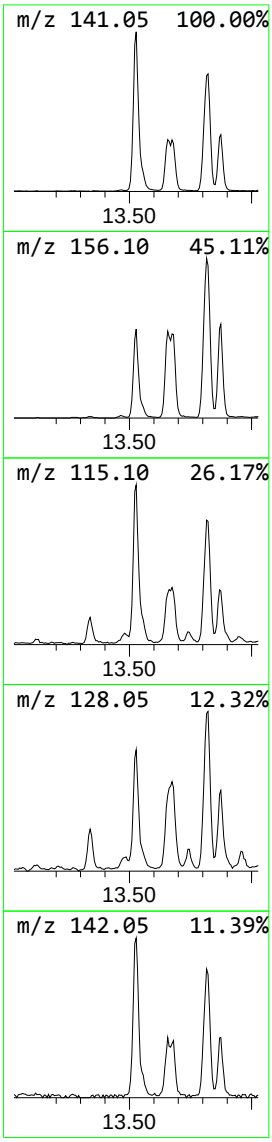
Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.527	15.98 ng	598407	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	87
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	80
5	2,4-Difluoromesitylene	156	C9H10F2	000392-61-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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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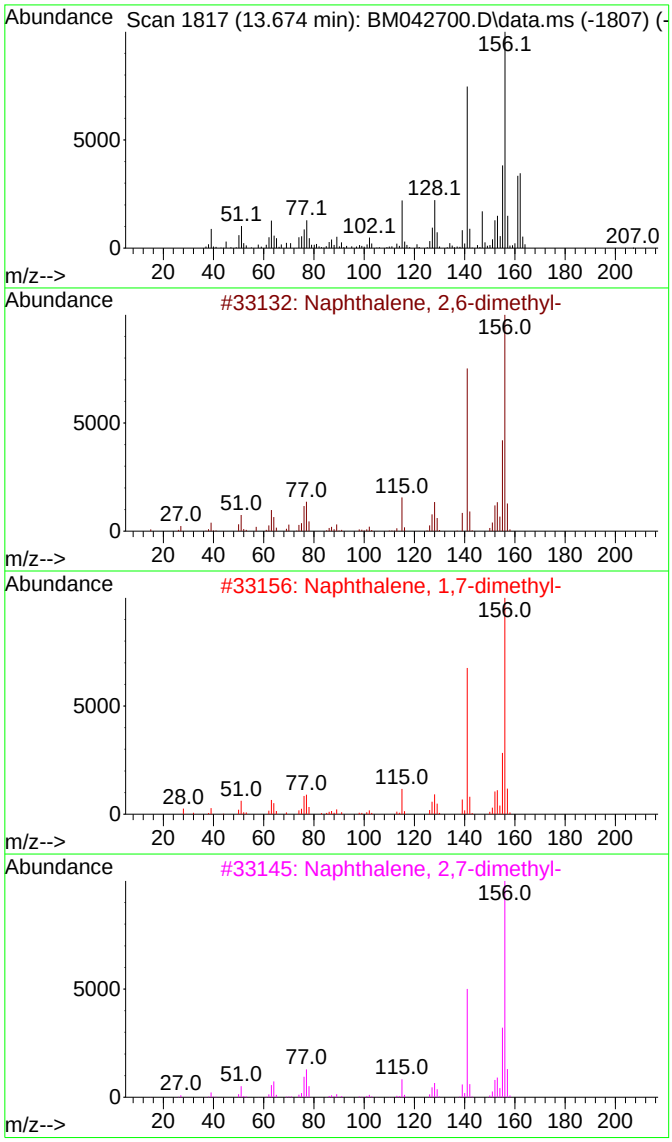
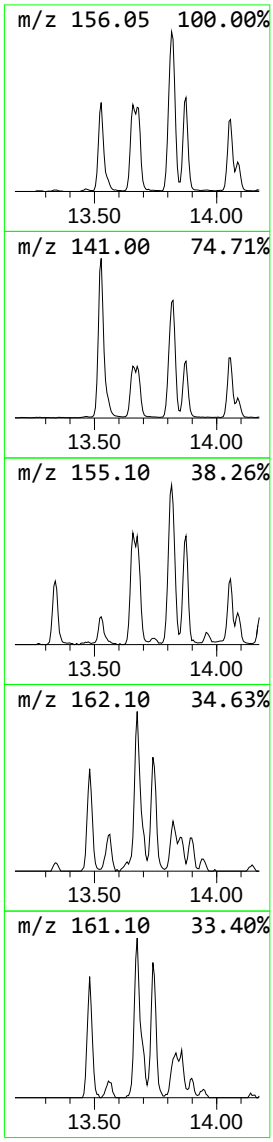
Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.674	18.33 ng	686617	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(0-5)

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

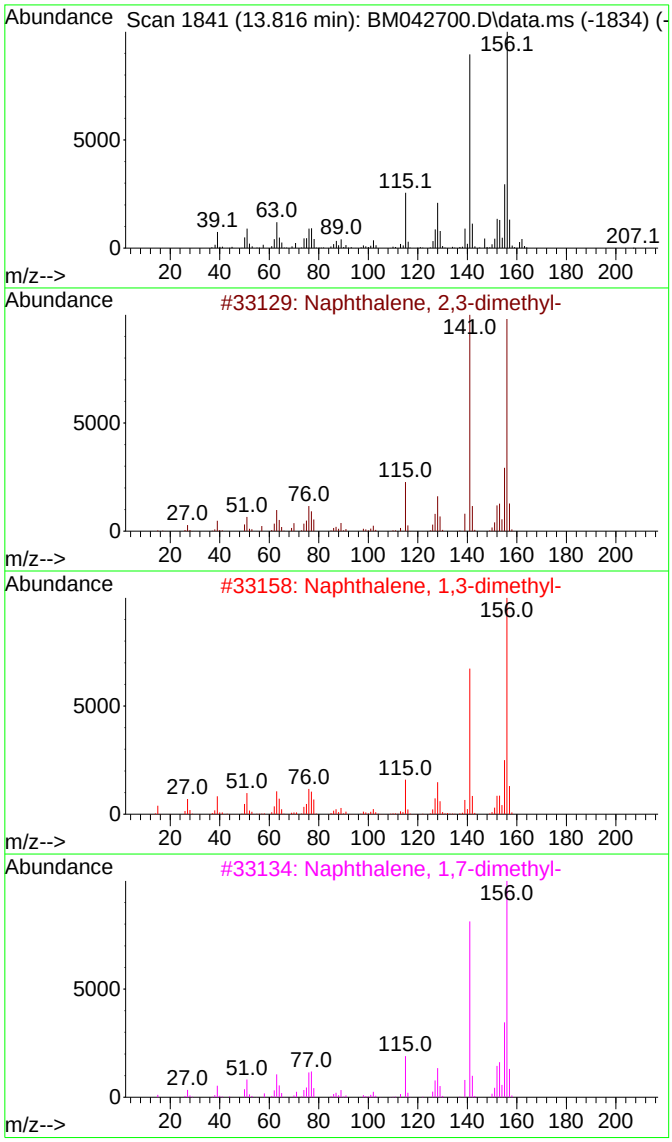
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

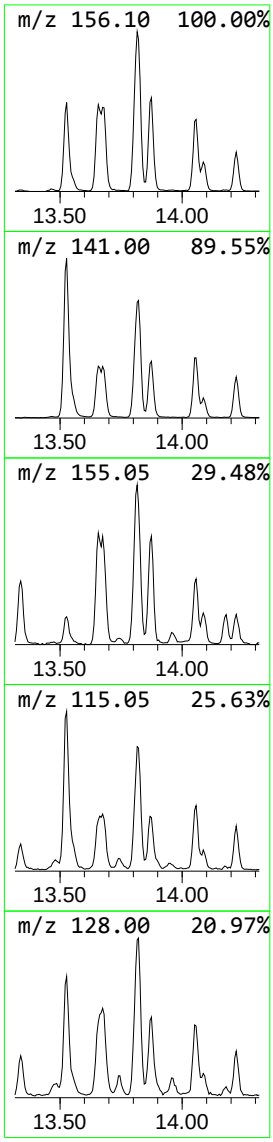
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.816	20.89 ng	782384	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(0-5)

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

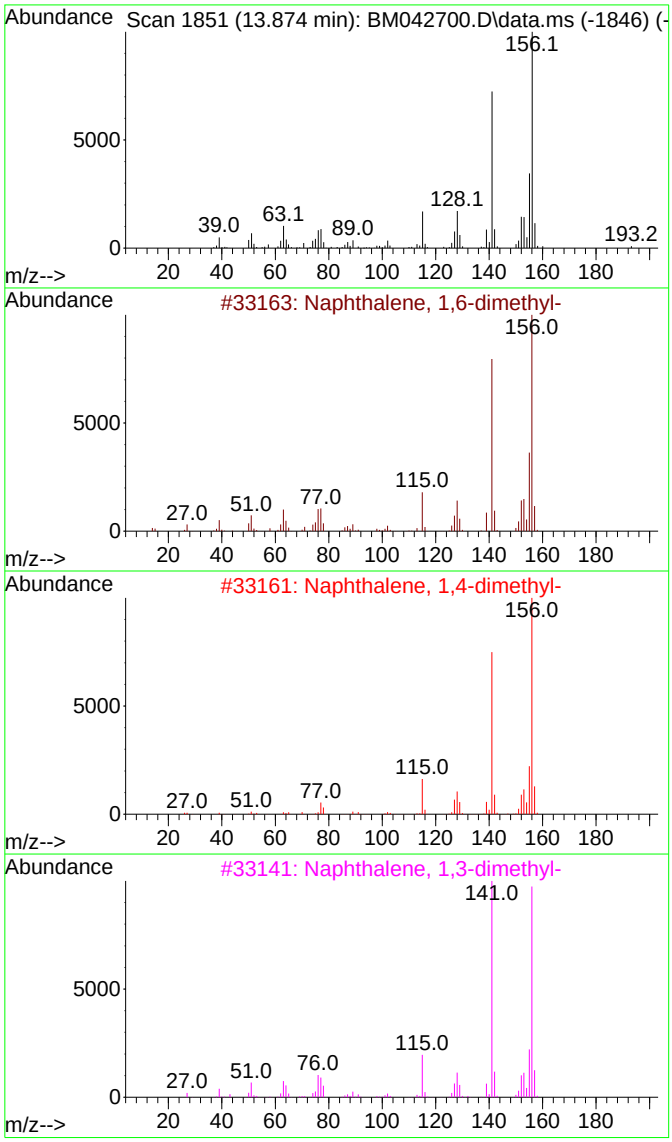
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

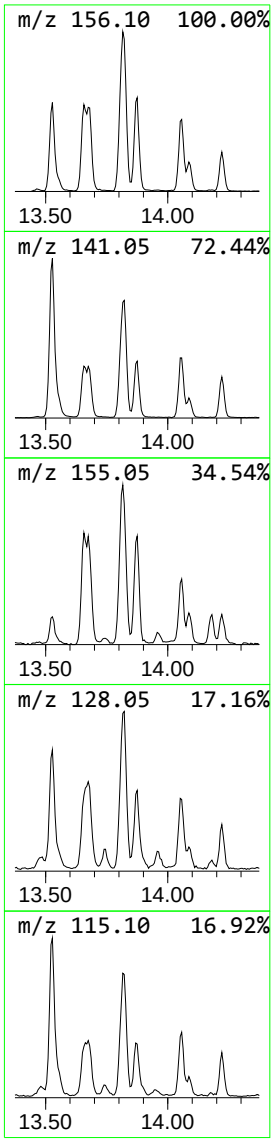
****

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	11.36 ng	425316	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, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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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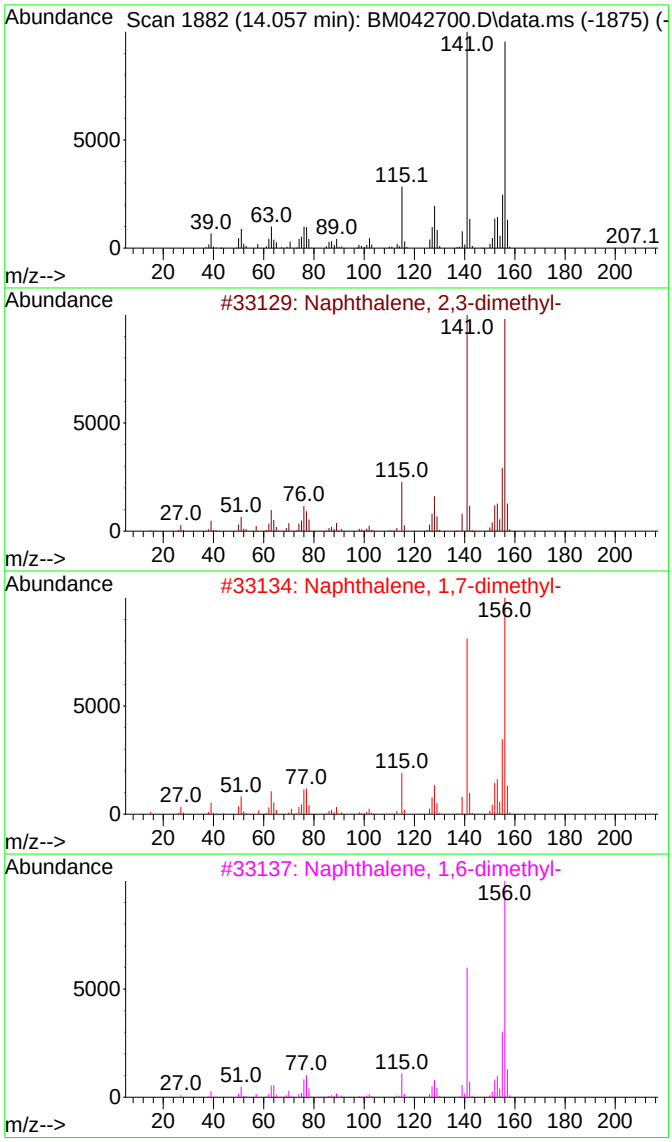
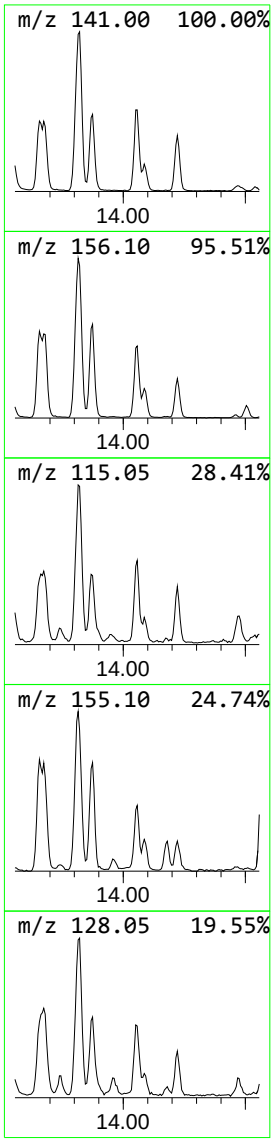
Peak Number 7 Naphthalene, 1,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.057	7.69 ng	288086	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





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Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(0-5)

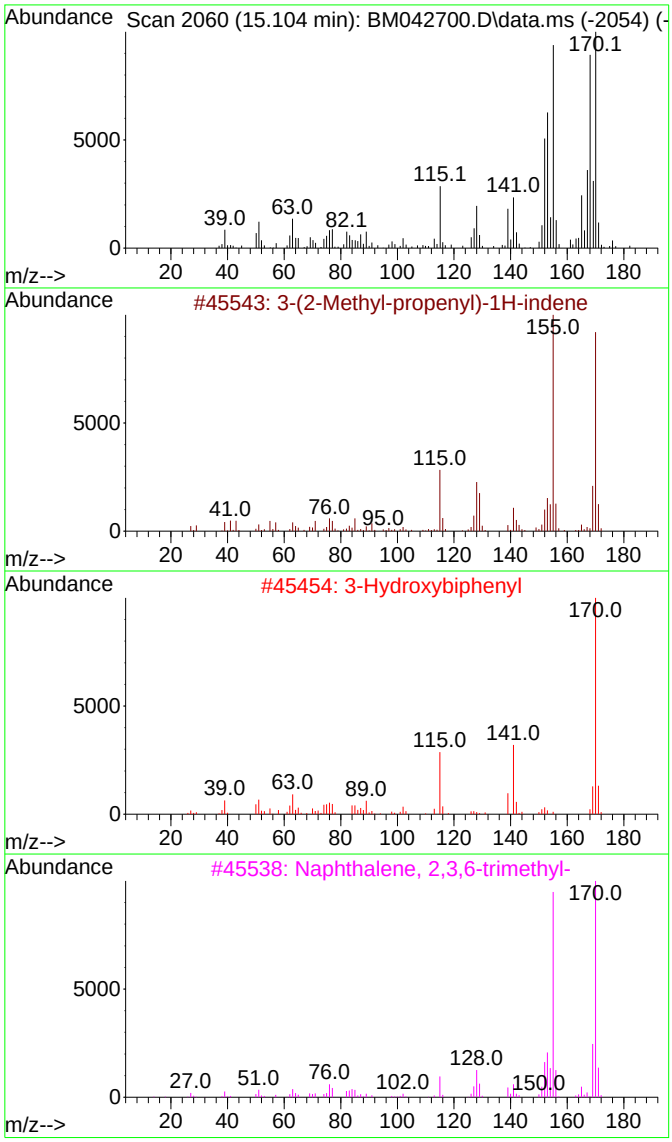
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

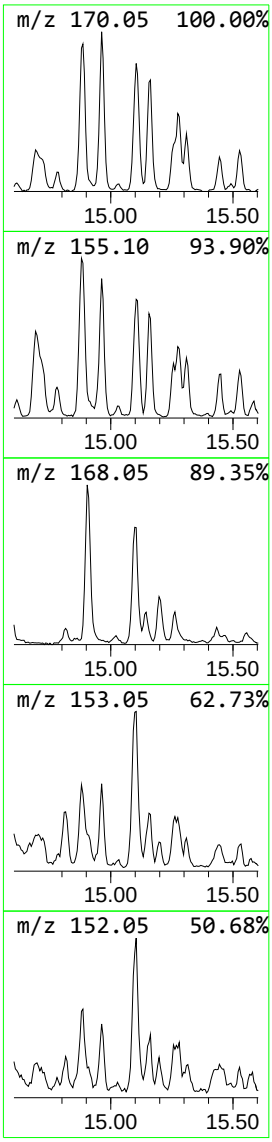
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	7.16 ng	268037	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	64
2	3-Hydroxybiphenyl	170	C12H10O	000580-51-8	59
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	50
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	50
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
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Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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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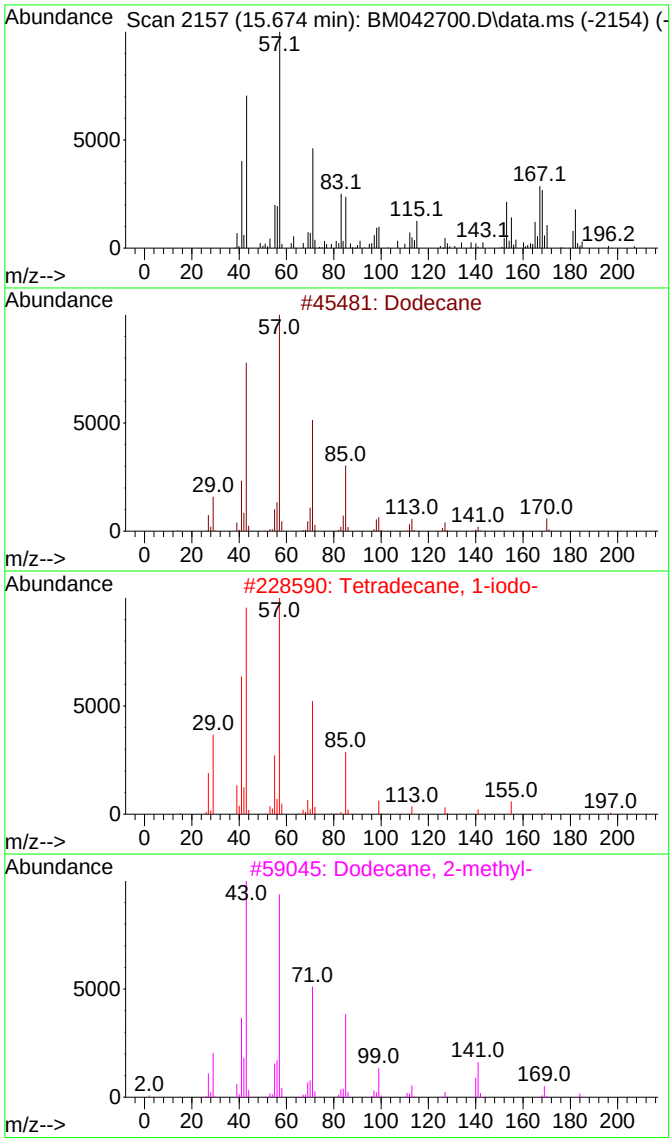
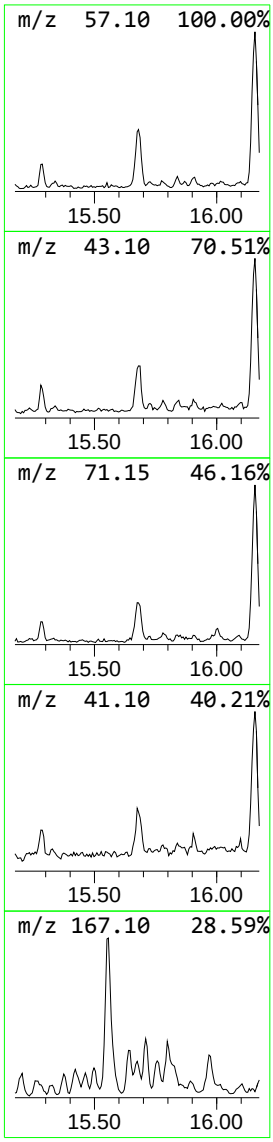
Peak Number 9 unknown15.674 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.674	6.25 ng	233957	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	30
2	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	27
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	25
4	Octane, 2-methyl-	128	C9H20	003221-61-2	25
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	22





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Acq On : 10 Nov 2023 20:22
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Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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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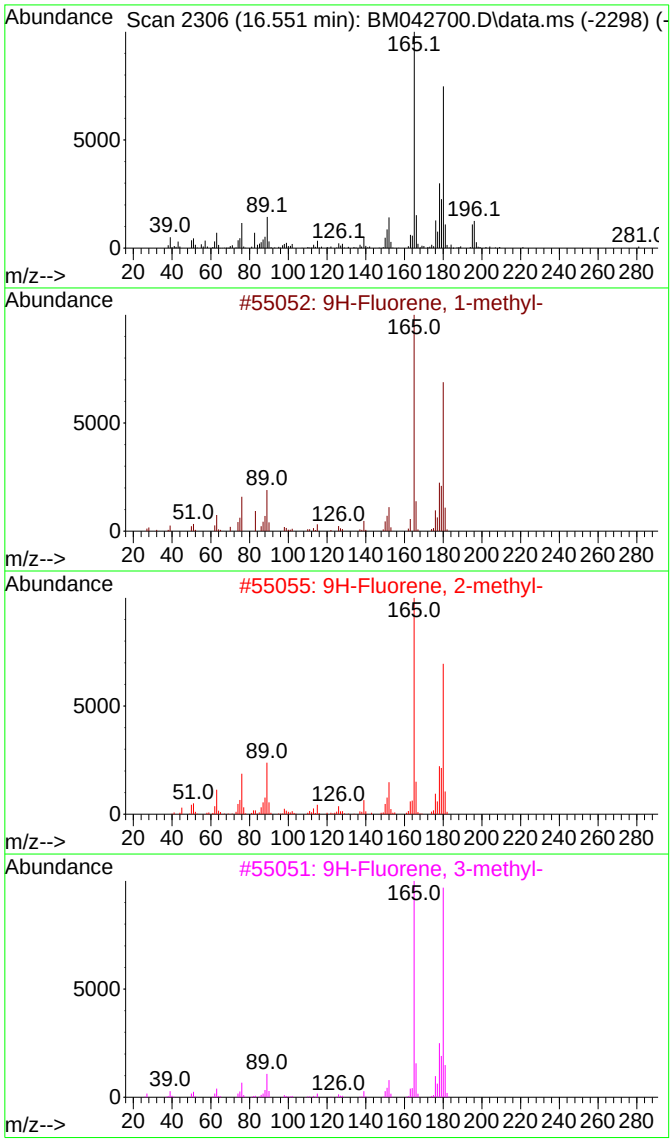
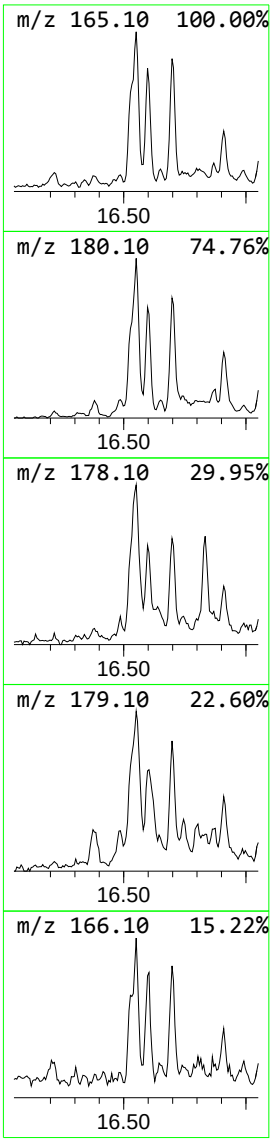
Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.551	7.64 ng	324933	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	81





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Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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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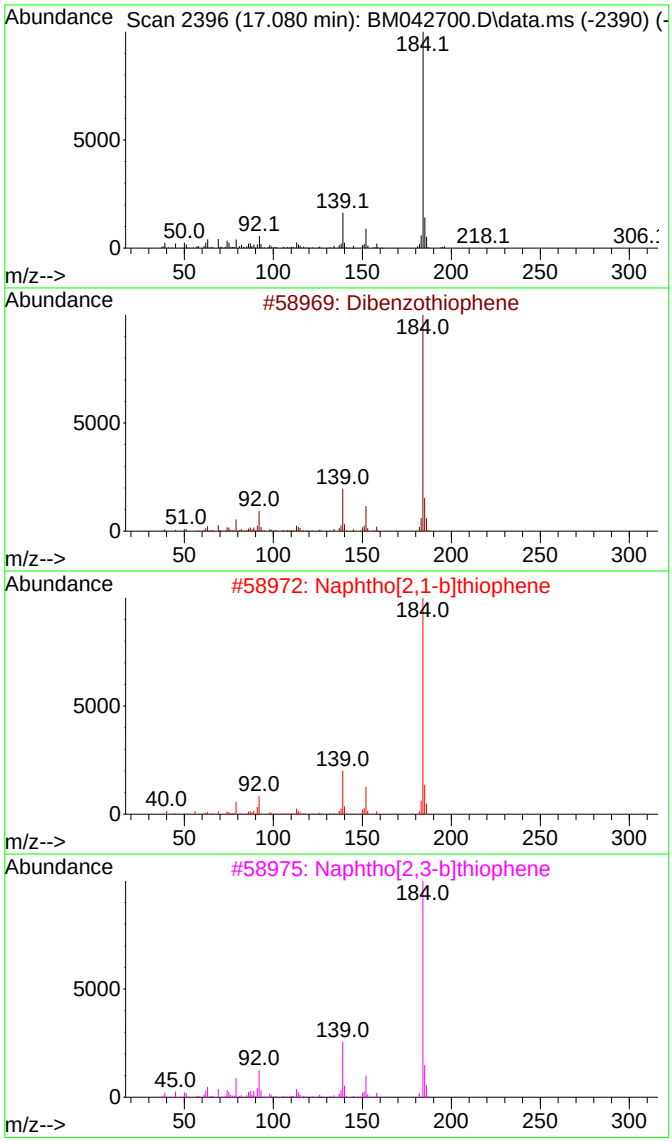
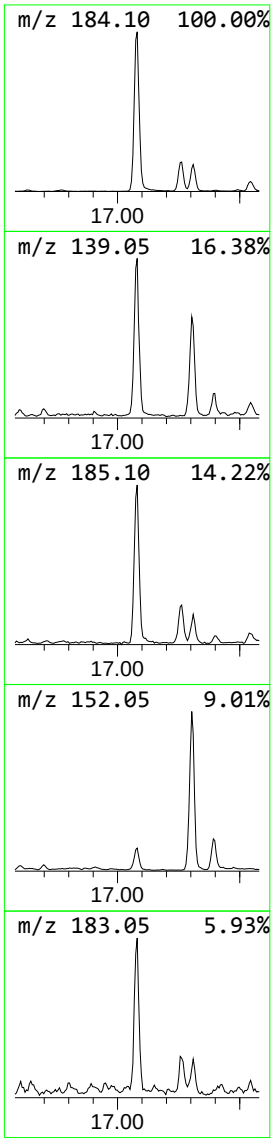
Peak Number 11 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.080	16.23 ng	690186	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
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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Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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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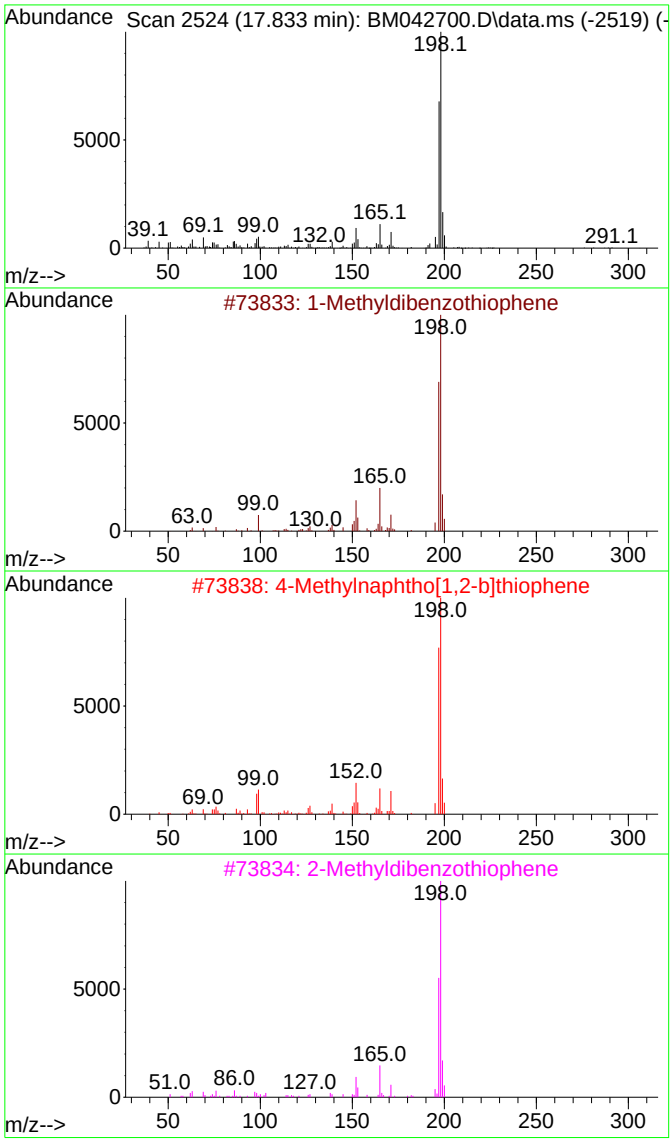
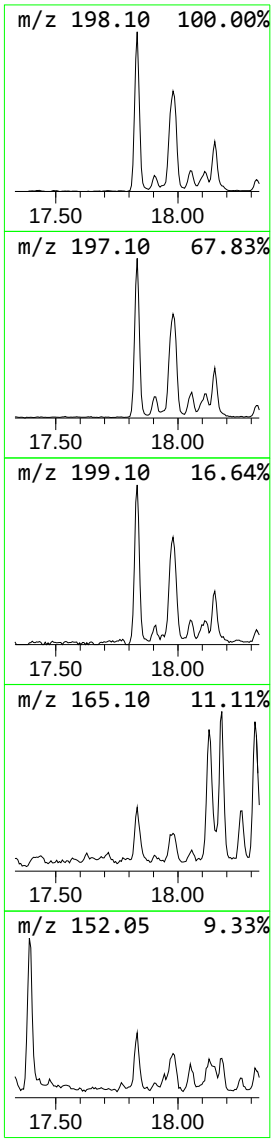
Peak Number 12 1-Methyldibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.833	10.37 ng	441024	Phenanthrene-d10	17.256

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	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	95
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	95
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94





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Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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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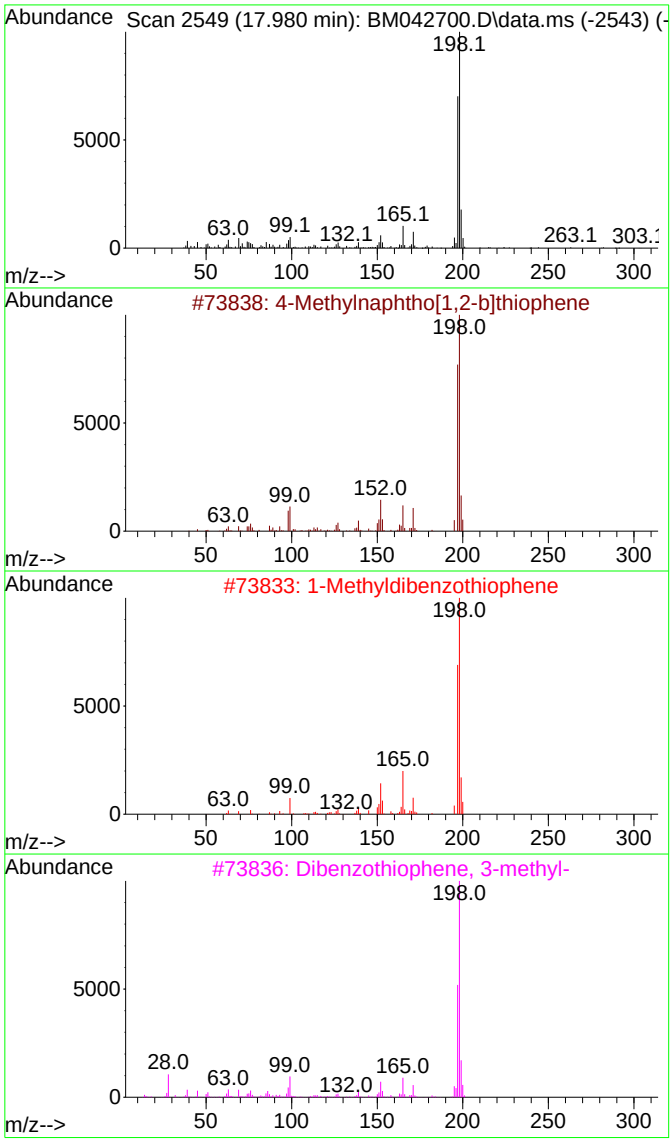
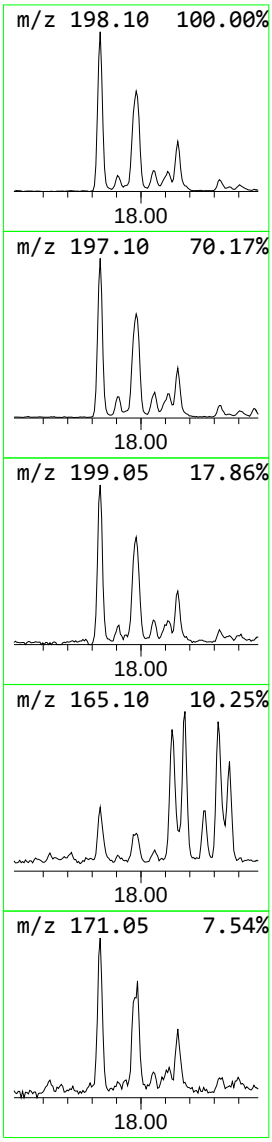
Peak Number 13 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.980	9.09 ng	386296	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	96
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91





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Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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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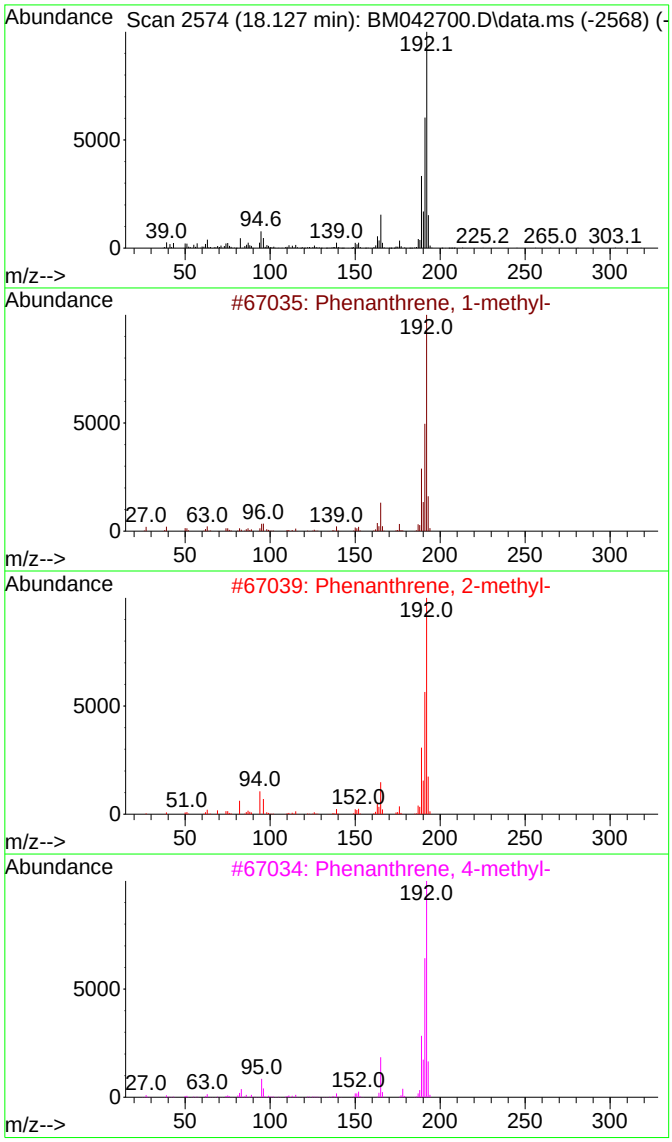
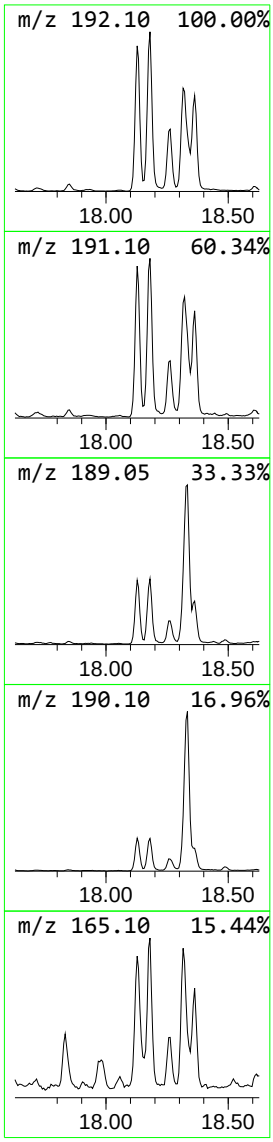
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.127	20.44 ng	869195	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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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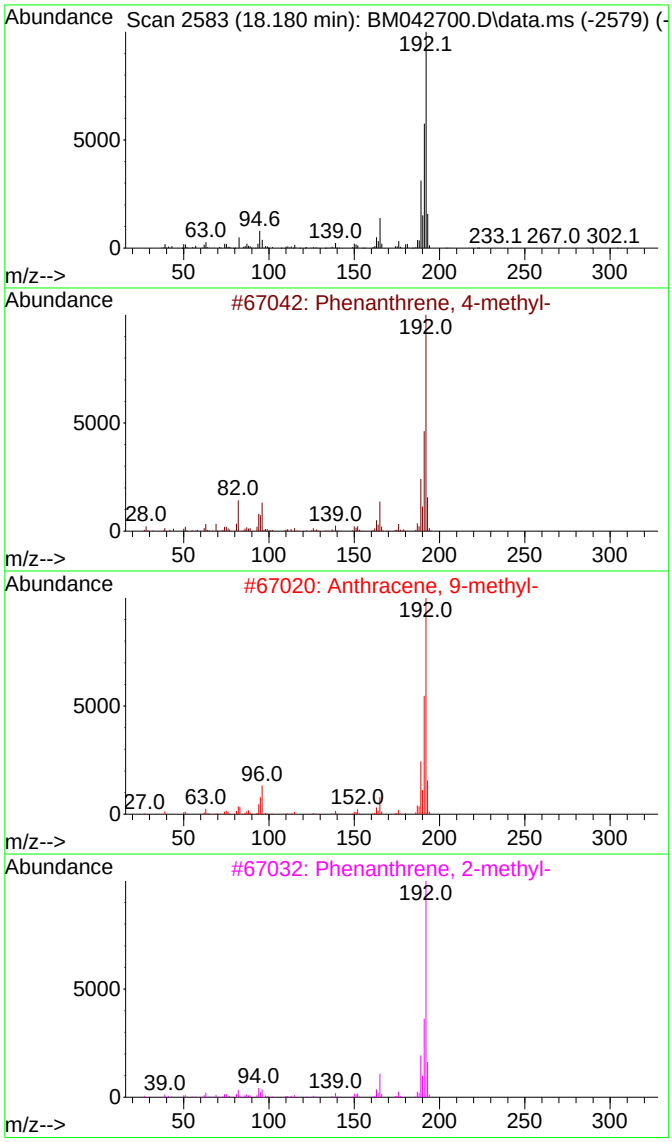
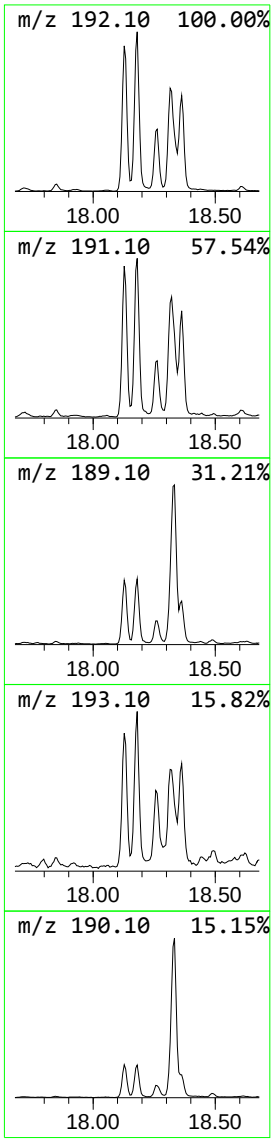
Peak Number 15 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.180	17.36 ng	738193	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :
L-3(195FT)(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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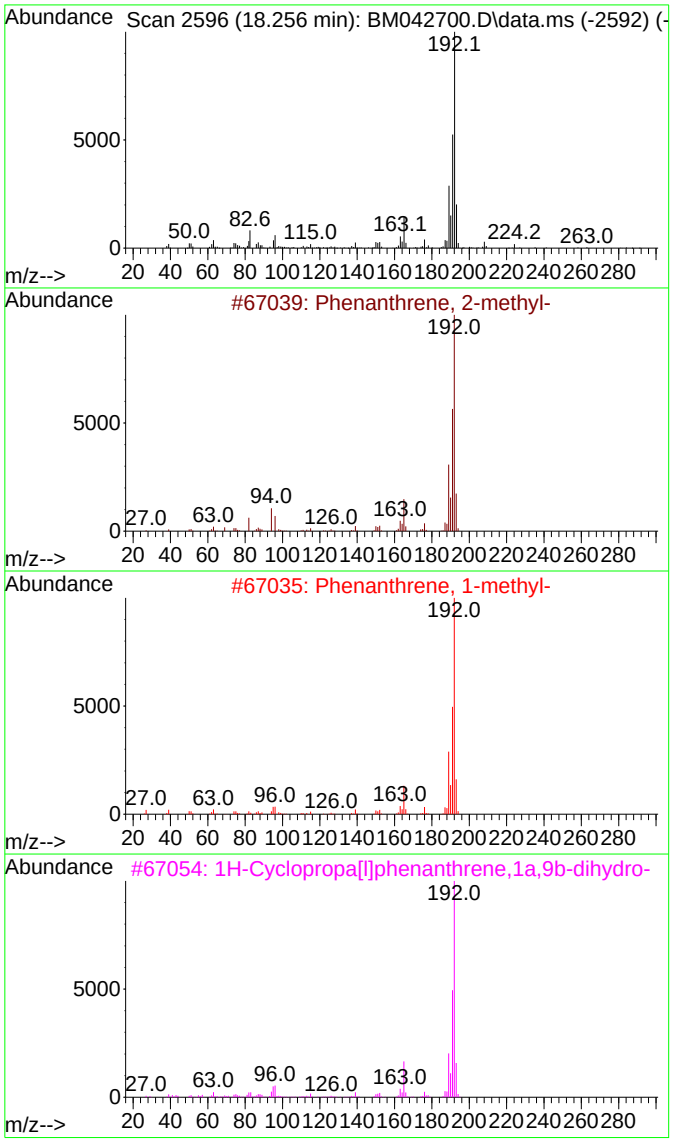
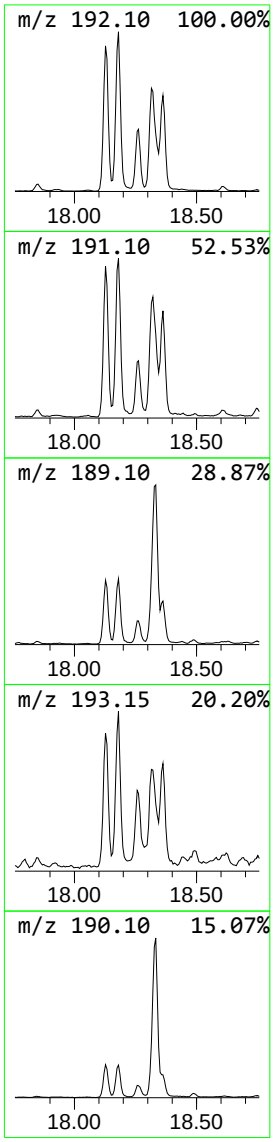
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.256	6.32 ng	268485	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	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(0-5)

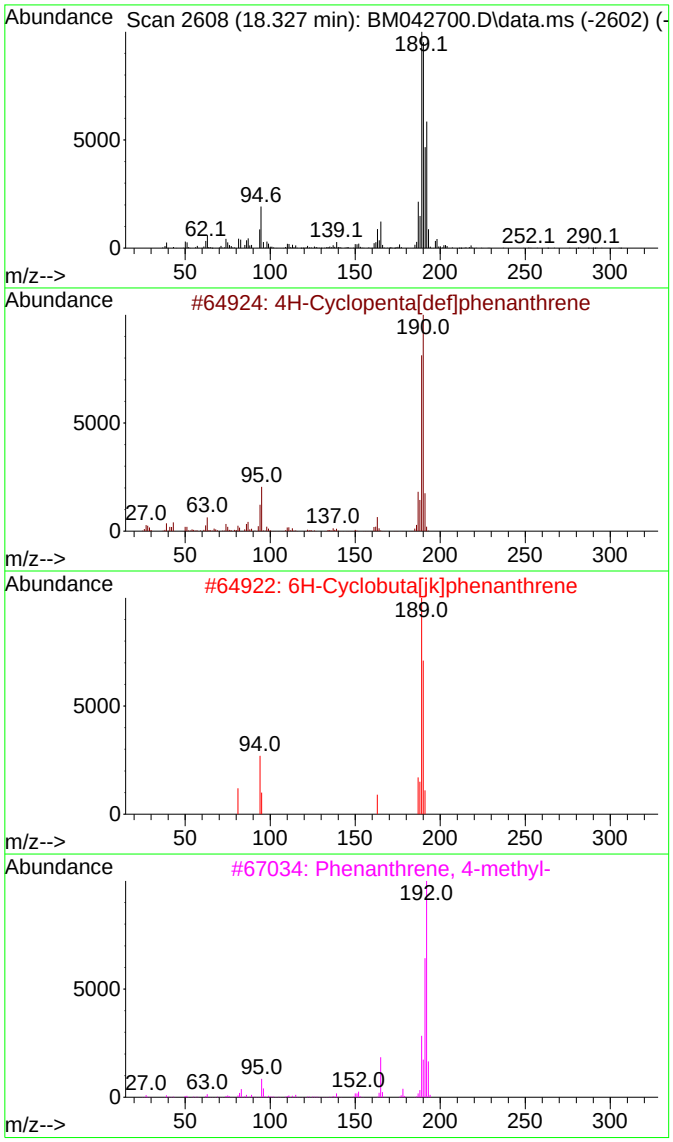
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

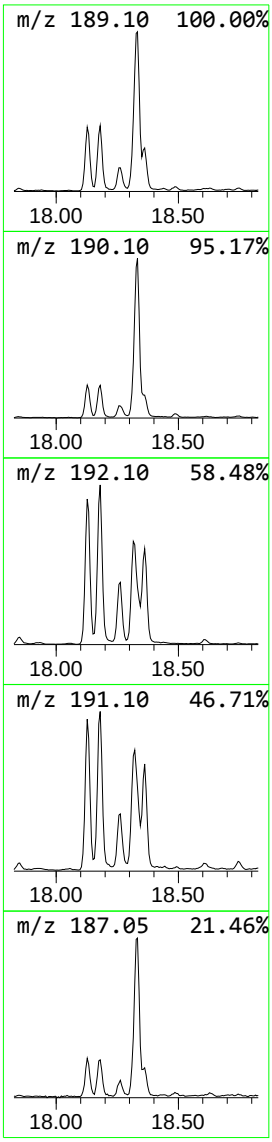
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.327	29.23 ng	1242680	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(0-5)

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

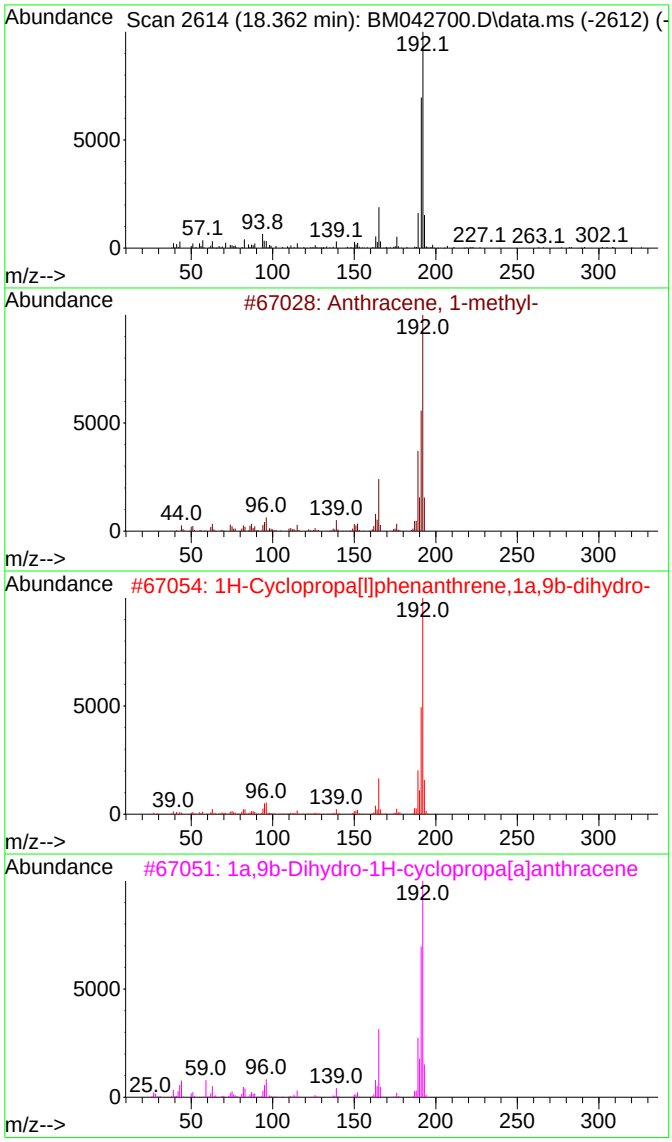
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

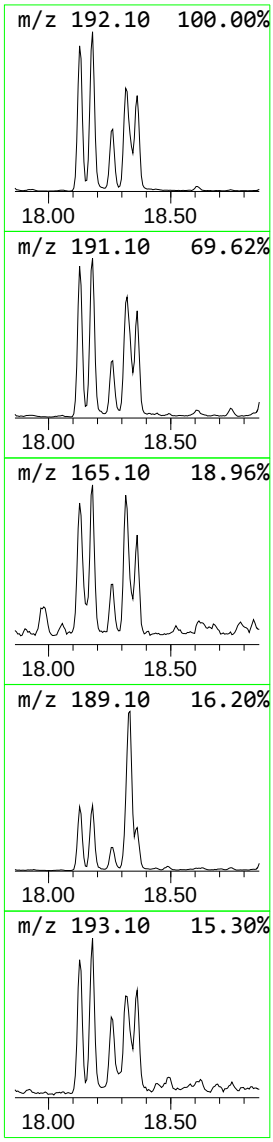
****

Peak Number 18 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.362	9.63 ng	409544	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(0-5)

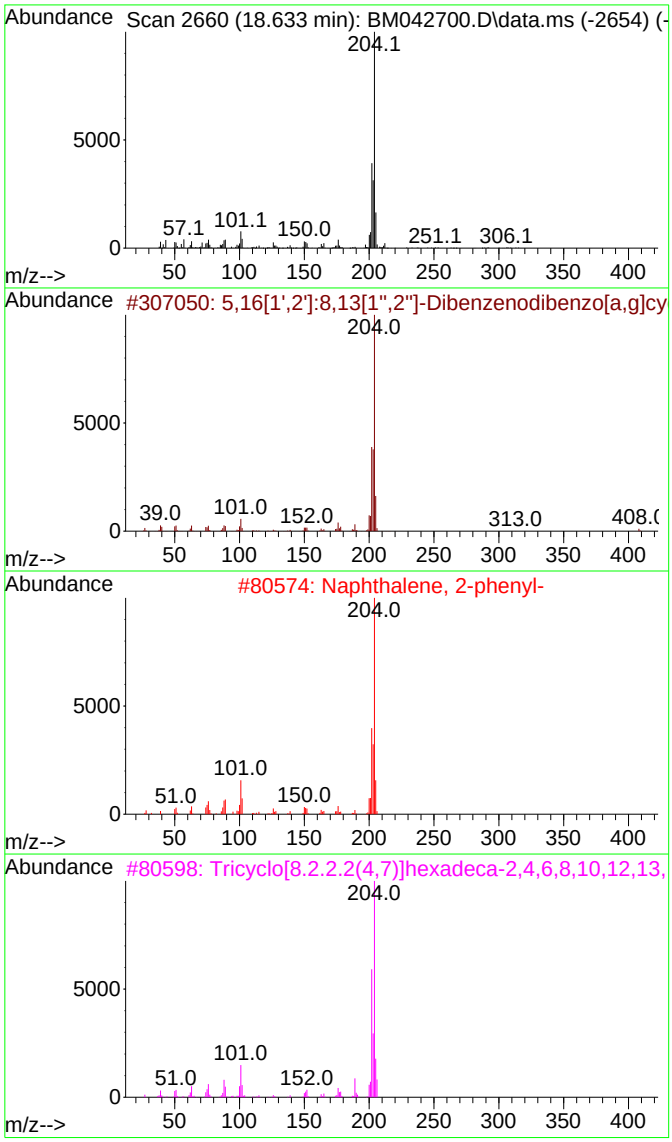
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

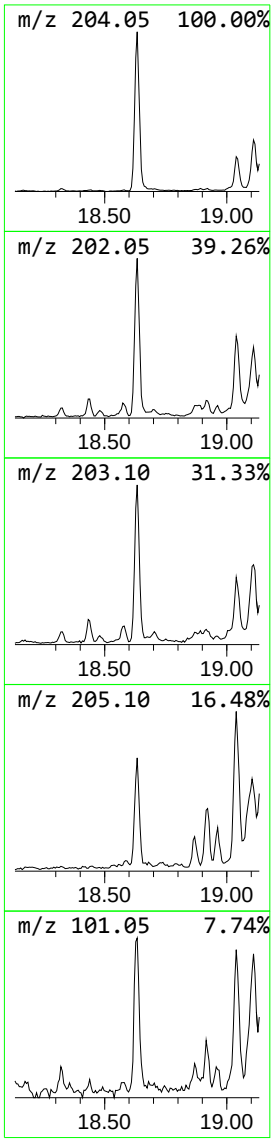
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.633	10.79 ng	458645	Phenanthrene-d10	17.256

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	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(0-5)

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

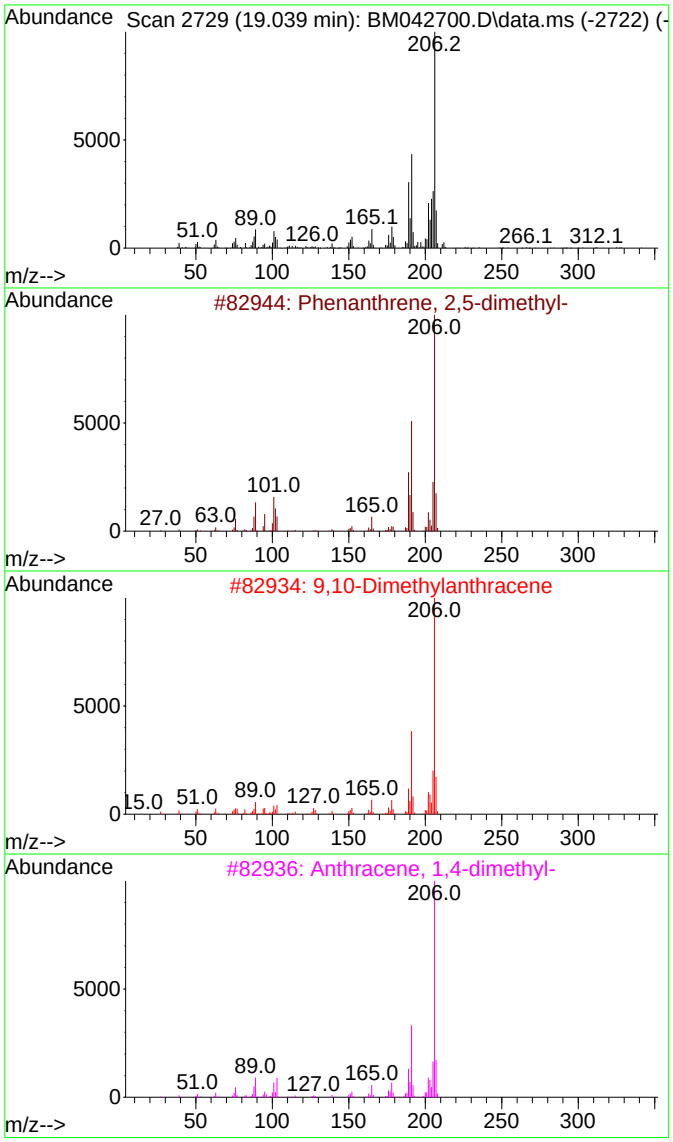
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

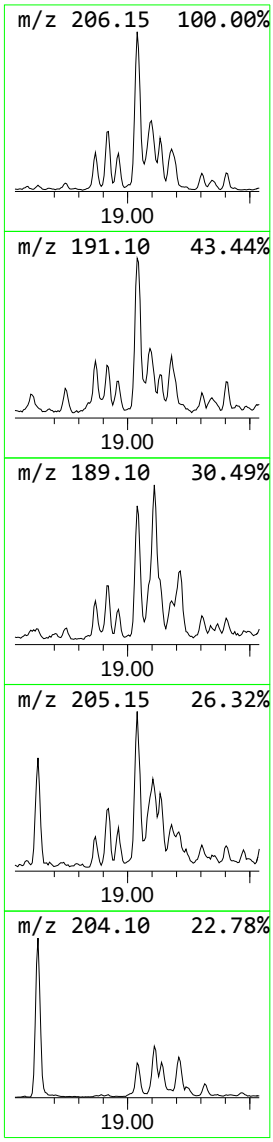
****

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.039	13.43 ng	571132	Phenanthrene-d10	17.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042700.D
Acq On : 10 Nov 2023 20:22
Operator : MA/JU
Sample : 05253-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-3(195FT)(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
Indane	8.198	14.5	ng	295236	1	7.845	406042	20.0
Cyclopenta[c]th...	10.839	5.8	ng	161902	2	10.663	553497	20.0
Naphthalene, 1-...	13.527	16.0	ng	598407	3	14.504	748977	20.0
Naphthalene, 2,...	13.674	18.3	ng	686617	3	14.504	748977	20.0
Naphthalene, 2,...	13.816	20.9	ng	782384	3	14.504	748977	20.0
Naphthalene, 1,...	13.874	11.4	ng	425316	3	14.504	748977	20.0
Naphthalene, 1,...	14.057	7.7	ng	288086	3	14.504	748977	20.0
3-(2-Methyl-pro...	15.104	7.2	ng	268037	3	14.504	748977	20.0
unknown15.674	15.674	6.3	ng	233957	3	14.504	748977	20.0
9H-Fluorene, 1-...	16.551	7.6	ng	324933	4	17.256	850289	20.0
Dibenzothiophene	17.080	16.2	ng	690186	4	17.256	850289	20.0
1-Methyldibenzo...	17.833	10.4	ng	441024	4	17.256	850289	20.0
4-Methylnaphtho...	17.980	9.1	ng	386296	4	17.256	850289	20.0
Phenanthrene, 1...	18.127	20.4	ng	869195	4	17.256	850289	20.0
Phenanthrene, 4...	18.180	17.4	ng	738193	4	17.256	850289	20.0
Phenanthrene, 2...	18.256	6.3	ng	268485	4	17.256	850289	20.0
4H-Cyclopenta[d...	18.327	29.2	ng	1242680	4	17.256	850289	20.0
Anthracene, 1-m...	18.362	9.6	ng	409544	4	17.256	850289	20.0
5,16[1',2']:8,1...	18.633	10.8	ng	458645	4	17.256	850289	20.0
Phenanthrene, 2...	19.039	13.4	ng	571132	4	17.256	850289	20.0