LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(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: BM042577.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.451	376	385	394	rBV	191659	294972	10.79%	0.744%
2	7.081	656	662	675	rBV	176608	296221	10.84%	0.747%
3	7.916	797	804	814	rBV	220468	345926	12.66%	0.872%
4	9.116	1003	1008	1014	rVB	107359	171028	6.26%	0.431%
5	10.733	1277	1283	1288	rBV	268268	455351	16.66%	1.148%
6	10.786	1288	1292	1300	rVB	49496	89009	3.26%	0.224%
7	11.757	1446	1457	1461	rBV	27317	68511	2.51%	0.173%
8	12.292	1542	1548	1559	rVB	43049	89352	3.27%	0.225%
9	12.610	1592	1602	1610	rBV	485370	810396	29.65%	2.043%
10	13.186	1693	1700	1708	rBV	316143	457817	16.75%	1.154%
11	13.404	1731	1737	1745	rBV	107093	169517	6.20%	0.427%
12	13.545	1755	1761	1765	rBV3	46180	98476	3.60%	0.248%
13	13.616	1770	1773	1783	rVB2	67229	104457	3.82%	0.263%
14	13.739	1783	1794	1800	rBV3	220300	571887	20.92%	1.442%
15	13.804	1800	1805	1811	rBV	59133	83455	3.05%	0.210%
16	13.880	1811	1818	1823	rBV	375128	697340	25.51%	1.758%
17	13.933	1823	1827	1830	rBV	91109	126745	4.64%	0.320%
18	14.021	1836	1842	1851	rVB2	58338	95511	3.49%	0.241%
19	14.116	1851	1858	1862	rBV	218276	325157	11.90%	0.820%
20	14.151	1862	1864	1876	rVB	84812	111649	4.08%	0.281%
21	14.292	1882	1888	1895	rBV2	333570	606154	22.18%	1.528%
22	14.533	1923	1929	1931	rBV	98984	146888	5.37%	0.370%
23	14.568	1931	1935	1941	rVV	392752	568121	20.78%	1.432%
24	14.633	1941	1946	1952	rVV2	196219	342412	12.53%	0.863%
25	14.768	1962	1969	1977	rBV3	102593	257439	9.42%	0.649%
26	14.945	1989	1999	2007	rVV4	146046	400687	14.66%	1.010%
27	15.021	2007	2012	2017	rVB	117537	173566	6.35%	0.438%
28	15.086	2017	2023	2031	rVB5	44646	84242	3.08%	0.212%
29	15.163	2031	2036	2041	rBV2	157747	280570	10.26%	0.707%
30	15.221	2041	2046	2050	rVB	102033	145935	5.34%	0.368%
31	15.321	2058	2063	2064	rBV2	70451	90787	3.32%	0.229%
32	15.339	2064	2066	2069	rVV	81531	99487	3.64%	0.251%
33	15.374	2069	2072	2078	rVB2	73050	104906	3.84%	0.264%
34	15.439	2078	2083	2087	rBV	95534	149141	5.46%	0.376%
35	15.510	2087	2095	2100	rVV6	52663	129085	4.72%	0.325%
36	15.557	2100	2103	2106	rVV	73145	99742	3.65%	0.251%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(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	15.615	2106	2113	2124	rVB	396147	732803	26.81%	1.847%
38	15.733	2130	2133	2142	rVV8	72736	202500	7.41%	0.510%
39	15.815	2142	2147	2152	rVV2	73036	126828	4.64%	0.320%
40	15.862	2152	2155	2157	rVV2	46956	70955	2.60%	0.179%
41	15.898	2158	2161	2167	rVV3	80370	129705	4.75%	0.327%
42	16.033	2177	2184	2185	rBV	138880	180877	6.62%	0.456%
43	16.062	2185	2189	2194	rVB2	253327	394489	14.43%	0.994%
44	16.227	2209	2217	2220	rBV7	27945	80049	2.93%	0.202%
45	16.262	2220	2223	2230	rVB3	53479	94947	3.47%	0.239%
46	16.609	2274	2282	2287	rBV	192040	425679	15.57%	1.073%
47	16.662	2287	2291	2295	rBV	156682	215463	7.88%	0.543%
48	16.762	2303	2308	2312	rBV2	130815	196722	7.20%	0.496%
49	16.868	2323	2326	2334	rVB5	47451	112557	4.12%	0.284%
50	16.968	2339	2343	2347	rVV3	78640	137383	5.03%	0.346%
51	17.039	2351	2355	2360	rVB3	56124	99215	3.63%	0.250%
52	17.139	2365	2372	2379	rVB	393423	591243	21.63%	1.490%
53	17.321	2397	2403	2406	rBV	481602	681417	24.93%	1.718%
54	17.362	2406	2410	2419	rVB	2056198	2733399	100.00%	6.891%
55	17.456	2420	2426	2430	rBV	435200	668389	24.45%	1.685%
56	17.827	2486	2489	2496	rBV2	69362	111702	4.09%	0.282%
57	17.898	2496	2501	2510	rVB	313449	486048	17.78%	1.225%
58	18.039	2519	2525	2531	rVB	217460	448828	16.42%	1.131%
59	18.192	2543	2551	2555	rBV	559325	1039599	38.03%	2.621%
60	18.239	2555	2559	2567	rVB	648127	899448	32.91%	2.267%
61	18.321	2568	2573	2578	rBV	256726	356688	13.05%	0.899%
62	18.386	2578	2584	2588	rVV2	648748	1285036	47.01%	3.240%
63	18.421	2588	2590	2597	rVB	434390	538606	19.70%	1.358%
64	18.580	2614	2617	2622	rVB	113727	139829	5.12%	0.353%
65	18.692	2630	2636	2641	rVV2	240104	460316	16.84%	1.160%
66	18.739	2642	2644	2650	rVB	131292	162906	5.96%	0.411%
67	18.851	2659	2663	2668	rBV2	90297	173506	6.35%	0.437%
68	18.903	2668	2672	2674	rBV	102520	146497	5.36%	0.369%
69	18.927	2674	2676	2680	rVB	69778	71050	2.60%	0.179%
70	18.980	2681	2685	2688	rVB	164896	183799	6.72%	0.463%
71	19.021	2688	2692	2697	rVB3	149408	211860	7.75%	0.534%
72	19.098	2700	2705	2710	rBV	438858	730638	26.73%	1.842%
73	19.168	2711	2717	2720	rBV3	153541	280629	10.27%	0.707%
74	19.239	2725	2729	2732	rBV	125980	220597	8.07%	0.556%
75	19.374	2747	2752	2757	rBV	1014971	1451131	53.09%	3.658%
76	19.433	2758	2762	2765	rVV3	134671	243166	8.90%	0.613%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(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	19.462	2765	2767	2773	rVV2	133791	212787	7.78%	0.536%
78	19.527	2774	2778	2786	rVV	200885	341282	12.49%	0.860%
79	19.603	2787	2791	2792	rVV3	89331	129853	4.75%	0.327%
80	19.627	2792	2795	2803	rVB3	186713	340176	12.45%	0.858%
81	19.709	2805	2809	2810	rVV3	100146	137055	5.01%	0.346%
82	19.745	2810	2815	2821	rVV	1873796	2468720	90.32%	6.224%
83	19.797	2821	2824	2829	rVB2	132367	203840	7.46%	0.514%
84	19.933	2842	2847	2850	rBV	569836	689503	25.23%	1.738%
85	20.068	2865	2870	2876	rVB3	213337	434613	15.90%	1.096%
86	20.197	2888	2892	2894	rBV3	145586	229708	8.40%	0.579%
87	20.233	2895	2898	2904	rVB	404863	545989	19.97%	1.376%
88	20.292	2905	2908	2910	rBV2	86385	123155	4.51%	0.310%
89	20.333	2911	2915	2918	rVB	322884	359826	13.16%	0.907%
90	20.392	2921	2925	2928	rBV	292603	323244	11.83%	0.815%
91	20.533	2945	2949	2953	rBV	321063	420862	15.40%	1.061%
92	20.574	2953	2956	2963	rVB	382307	550896	20.15%	1.389%
93	21.150	3050	3054	3057	rBV	303883	376525	13.77%	0.949%
94	21.227	3064	3067	3069	rBV2	109842	130679	4.78%	0.329%
95	21.497	3107	3113	3118	rBV2	851366	1947731	71.26%	4.910%
96	21.544	3118	3121	3125	rVB	688954	824644	30.17%	2.079%
97	22.074	3209	3211	3217	rVB	225811	267702	9.79%	0.675%
98	23.186	3395	3400	3412	rVB2	212375	691853	25.31%	1.744%
99	23.815	3502	3507	3515	rBV	383599	732713	26.81%	1.847%
100	23.921	3521	3525	3531	rBV	310985	525707	19.23%	1.325%

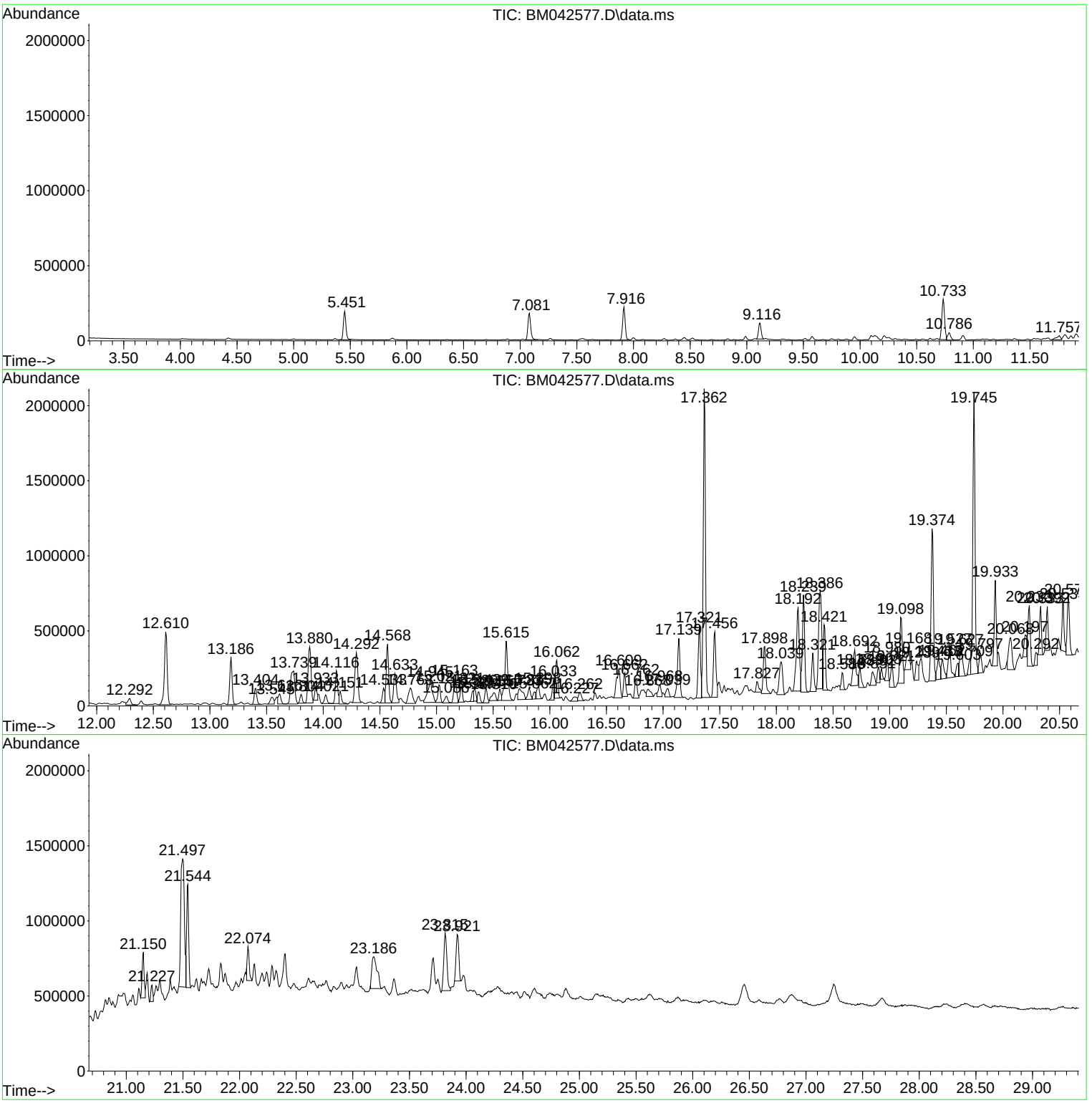
Sum of corrected areas: 39667501

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(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\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

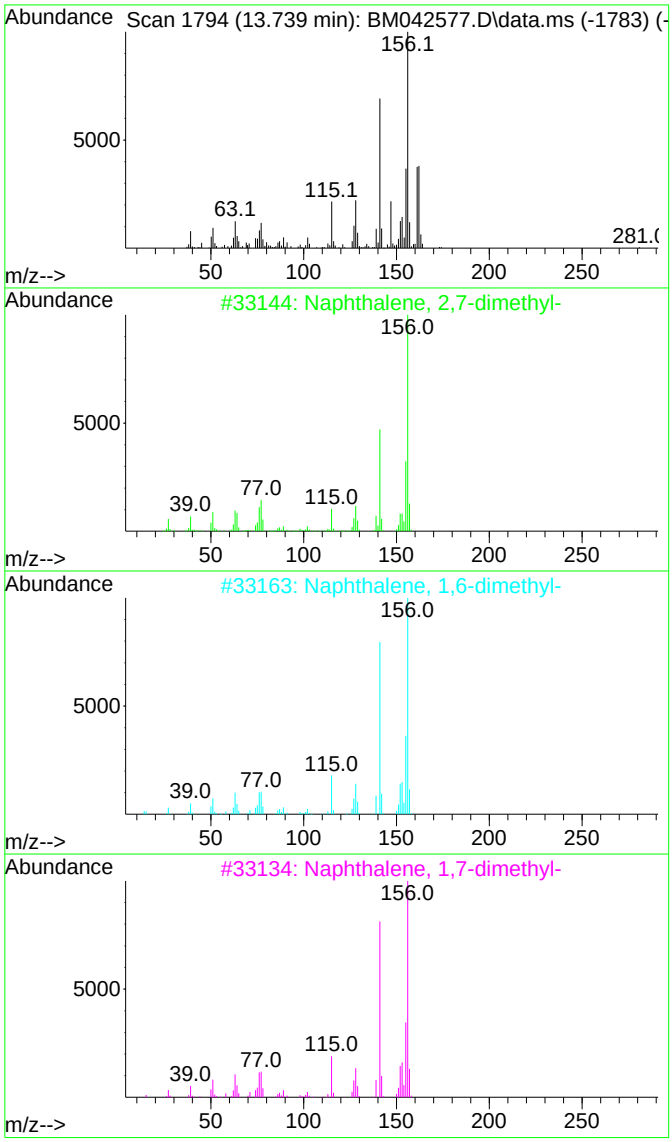
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

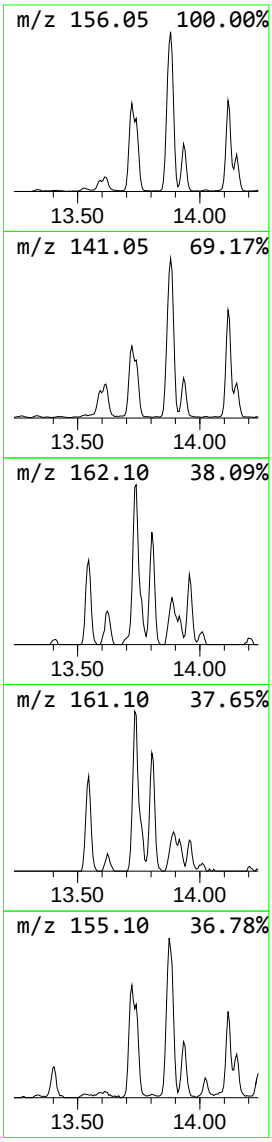
****

Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.739	20.13 ng	571887	Acenaphthene-d10	14.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	92
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

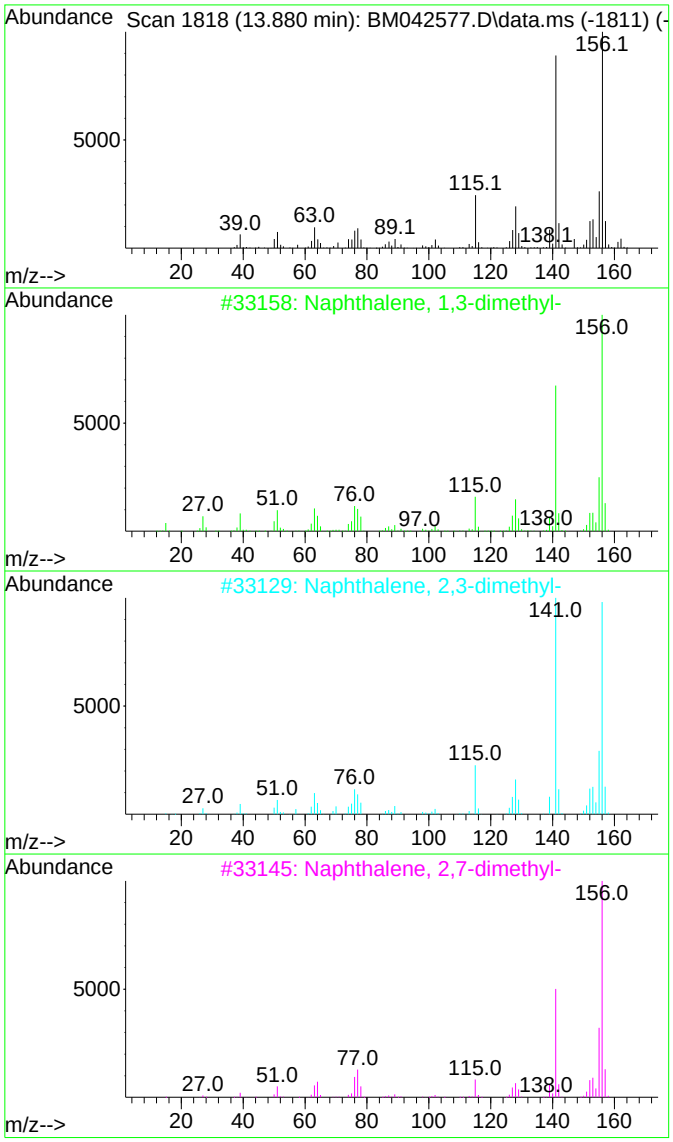
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

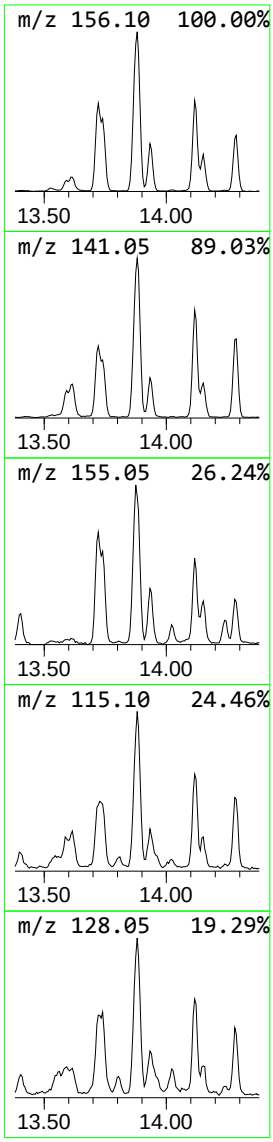
****

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	24.55 ng	697340	Acenaphthene-d10	14.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

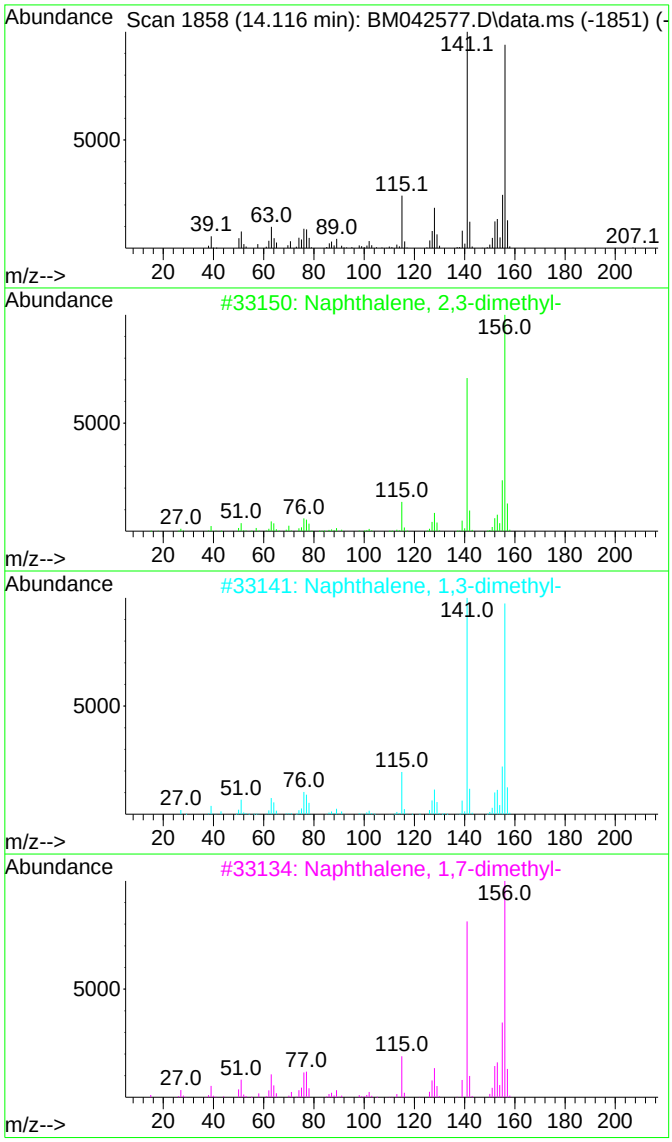
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

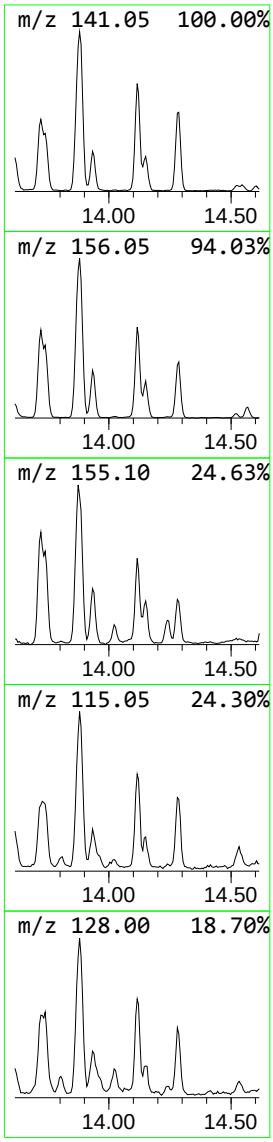
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.116	11.45 ng	325157	Acenaphthene-d10	14.568

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	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

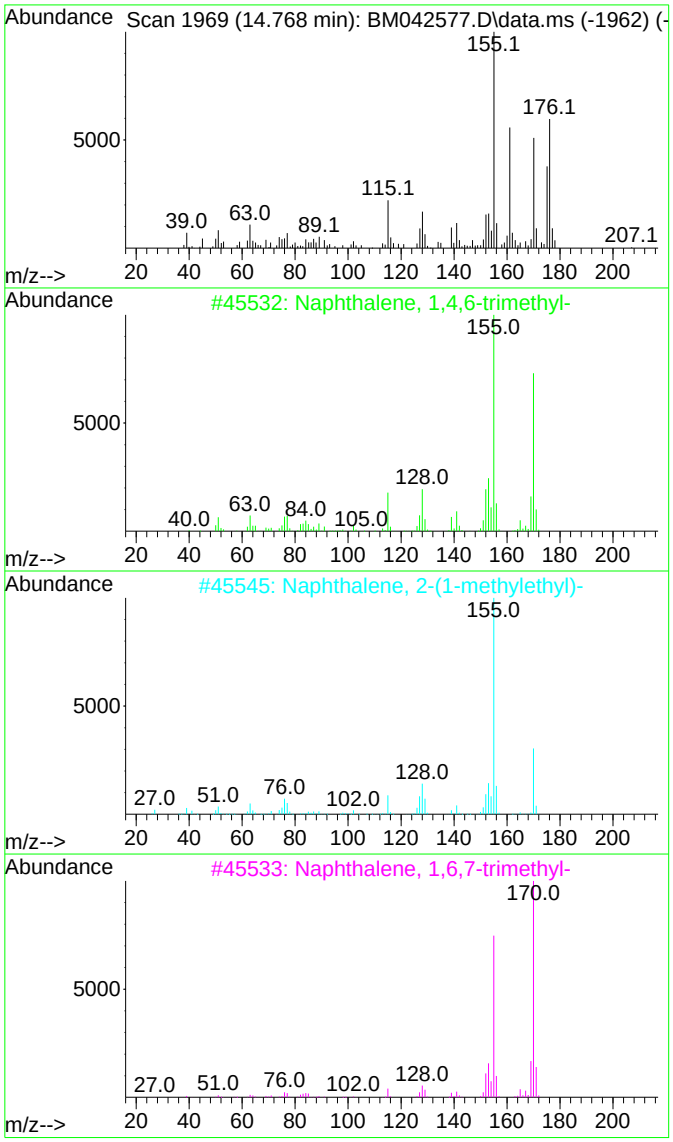
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

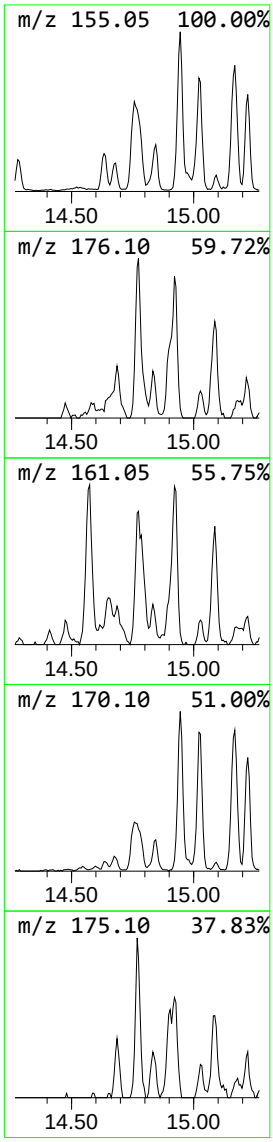
****

Peak Number 4 Naphthalene, 1,4,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.768	9.06 ng	257439	Acenaphthene-d10	14.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	60
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	60
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	60
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	55
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

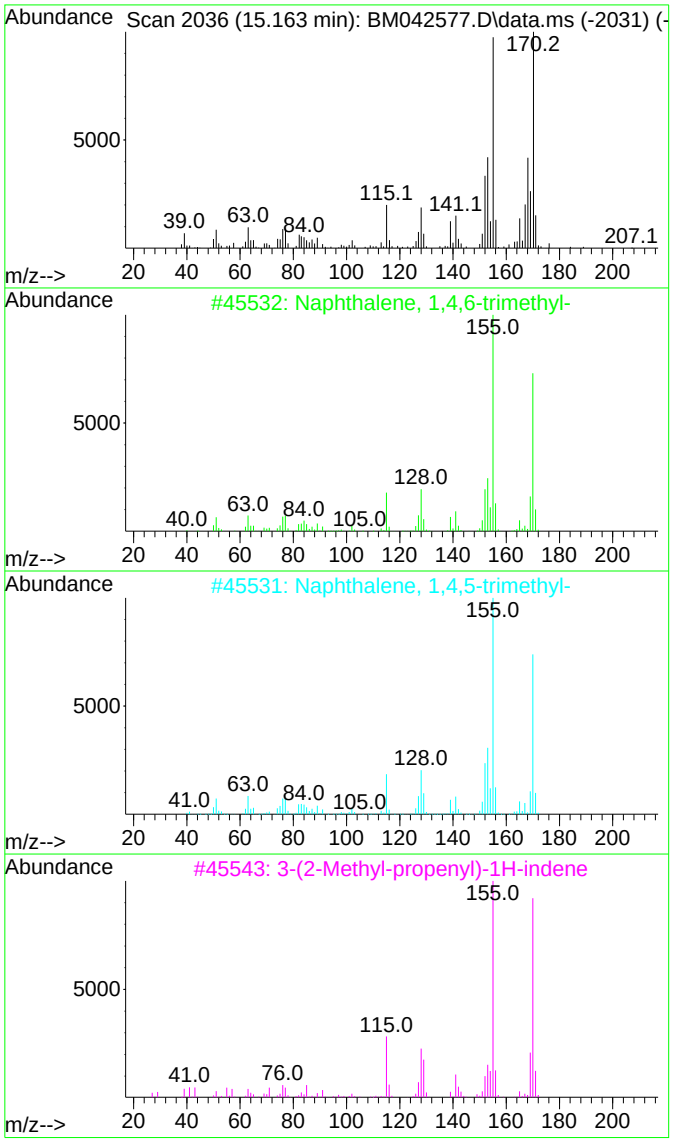
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

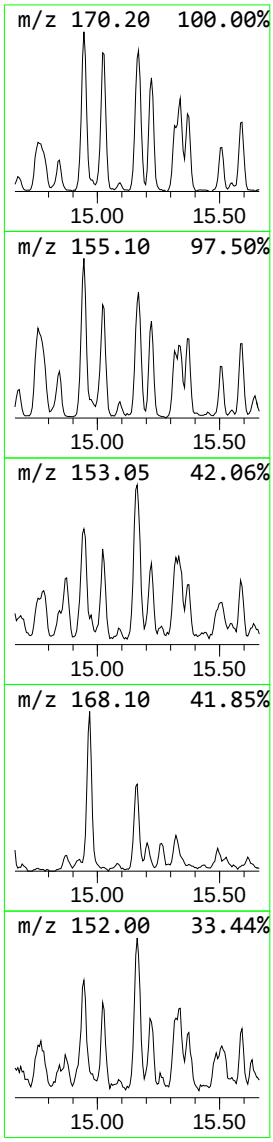
****

Peak Number 5 Naphthalene, 1,4,5-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.163	9.88 ng	280570	Acenaphthene-d10	14.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	86
3	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	83
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	70
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

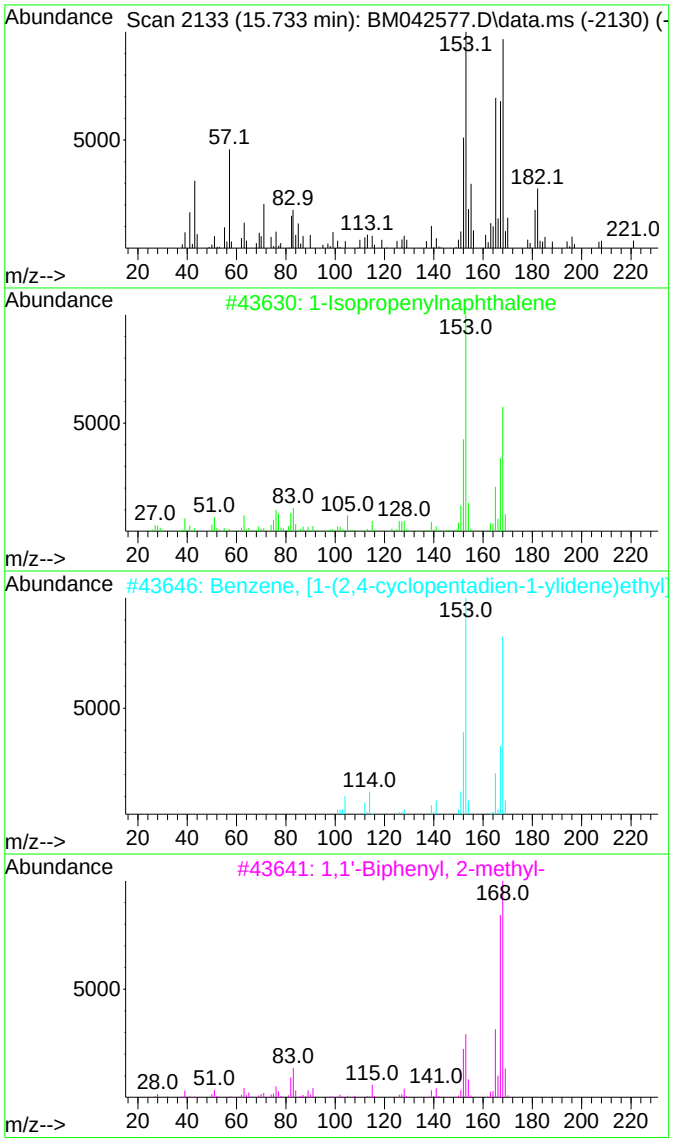
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

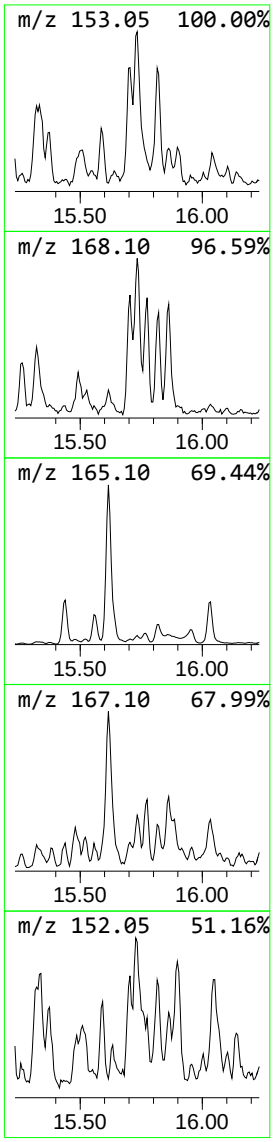
****

Peak Number 6 1-Isopropenylnaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.733	7.13 ng	202500	Acenaphthene-d10	14.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	70
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	50
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	46
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

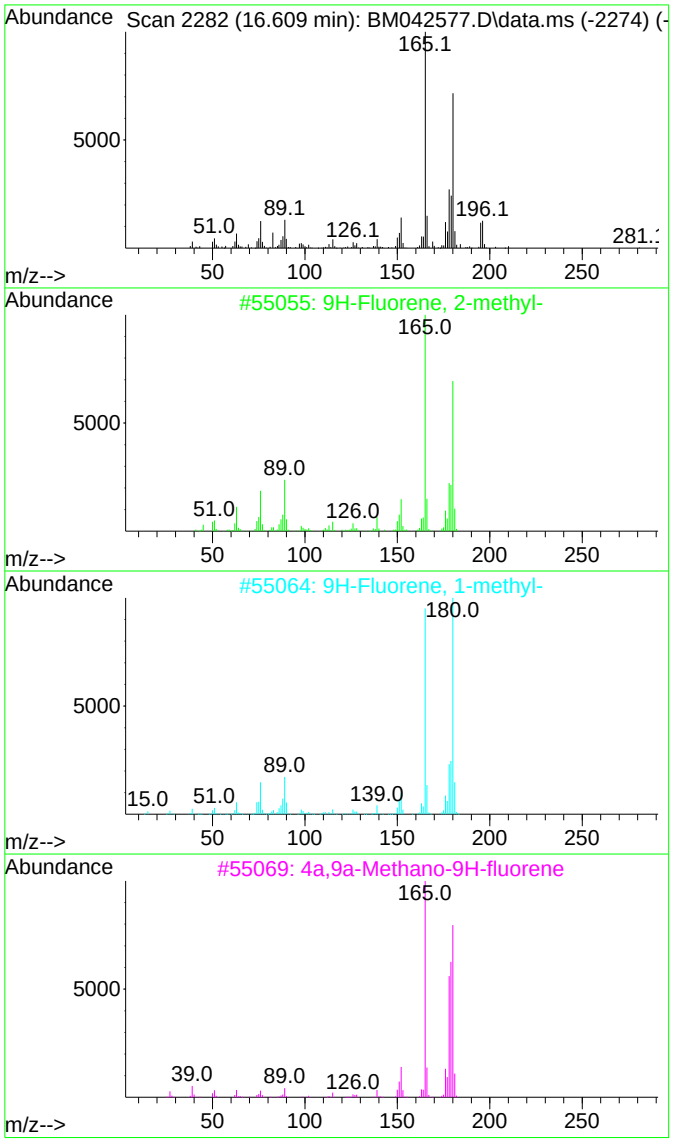
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

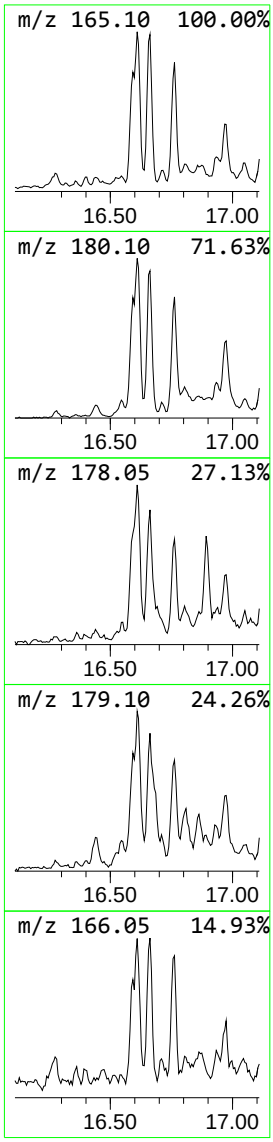
****

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.610	12.49 ng	425679	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
4	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	72
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

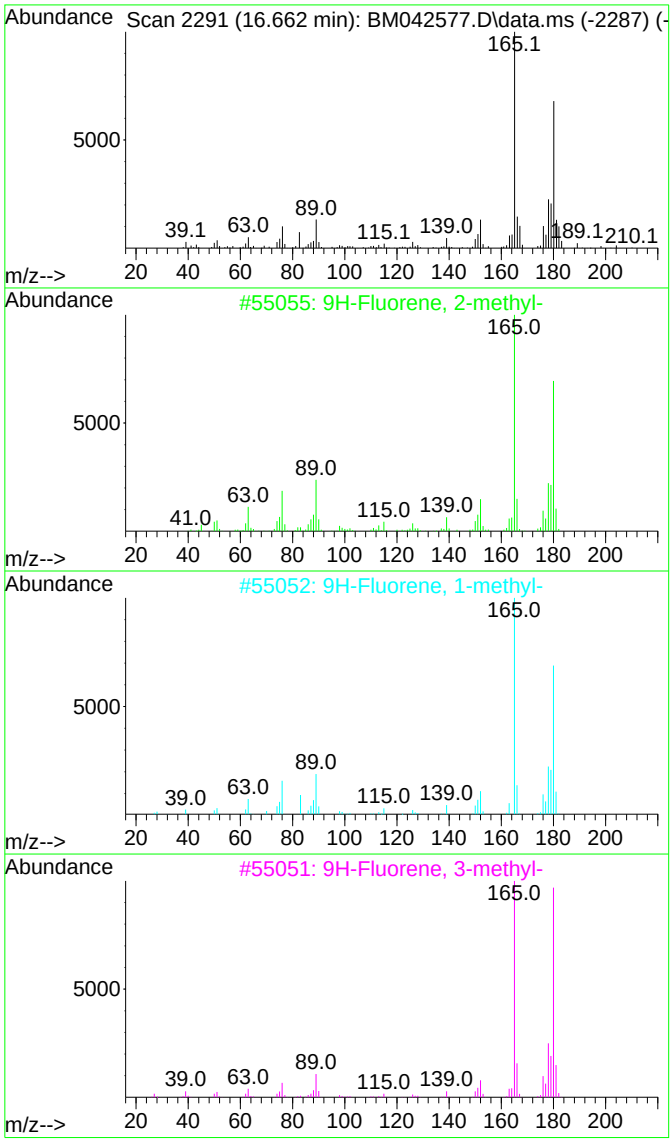
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

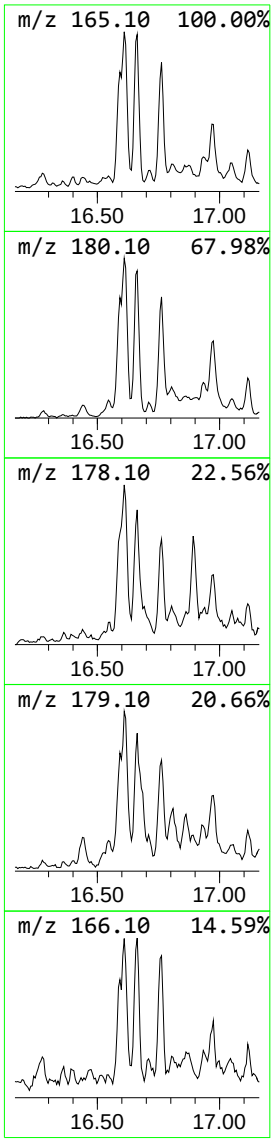
****

Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.662	6.32 ng	215463	Phenanthrene-d10	17.321

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	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	92
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

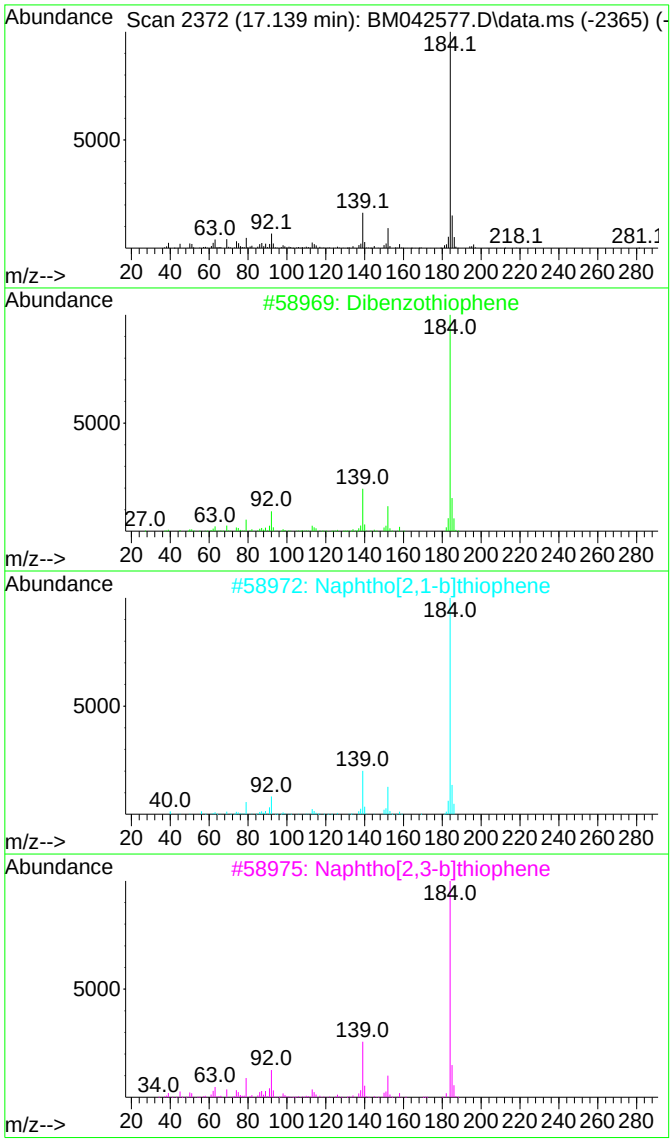
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

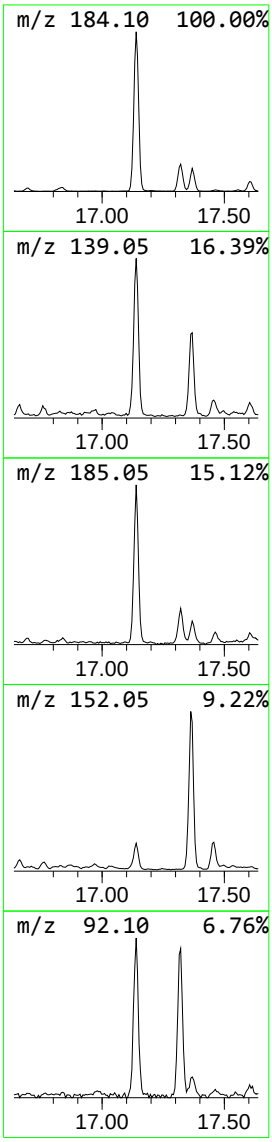
****

Peak Number 9 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.139	17.35 ng	591243	Phenanthrene-d10	17.321

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

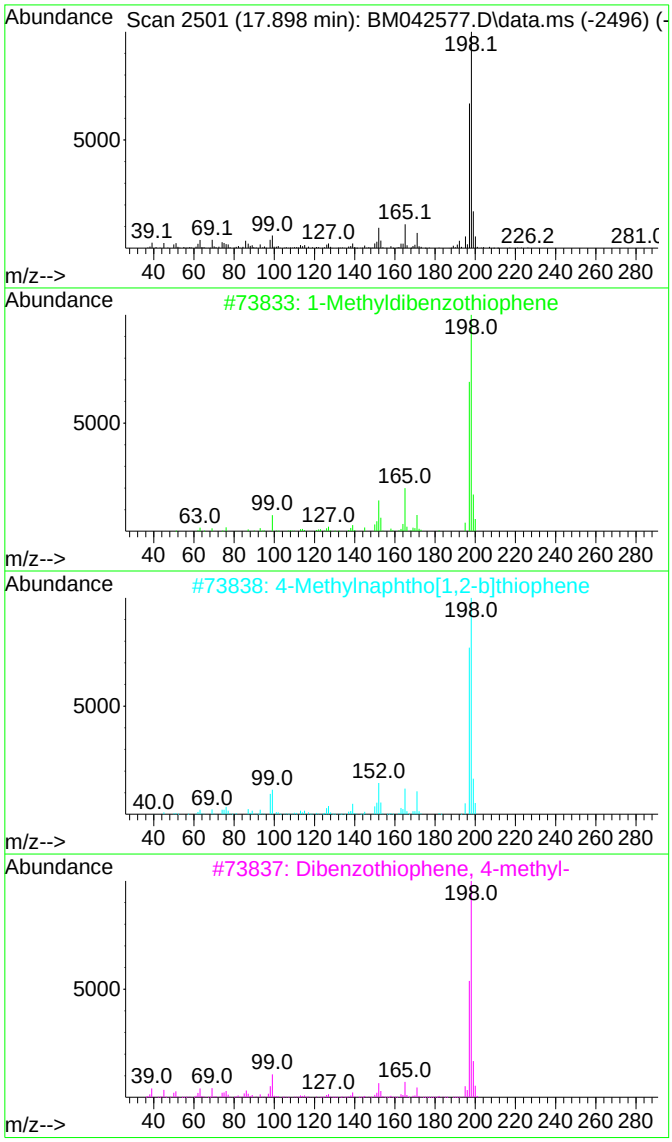
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

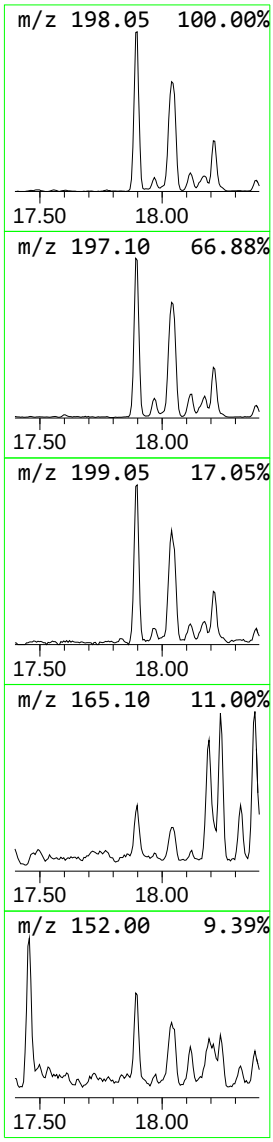
****

Peak Number 10 1-Methyldibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.898	14.27 ng	486048	Phenanthrene-d10	17.321

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

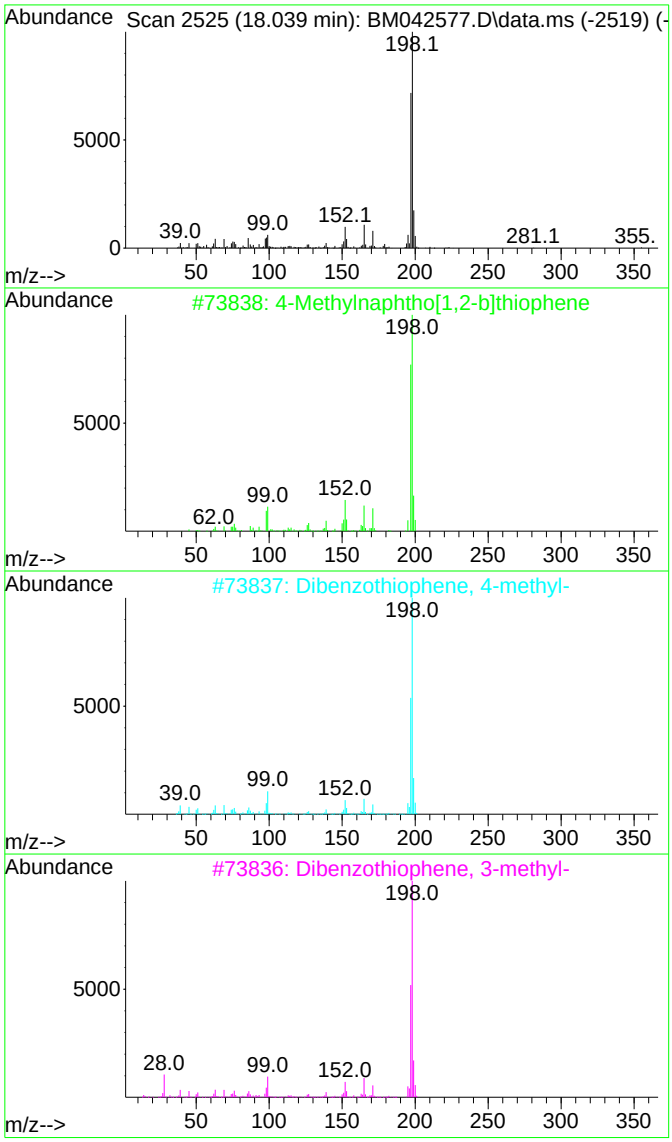
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

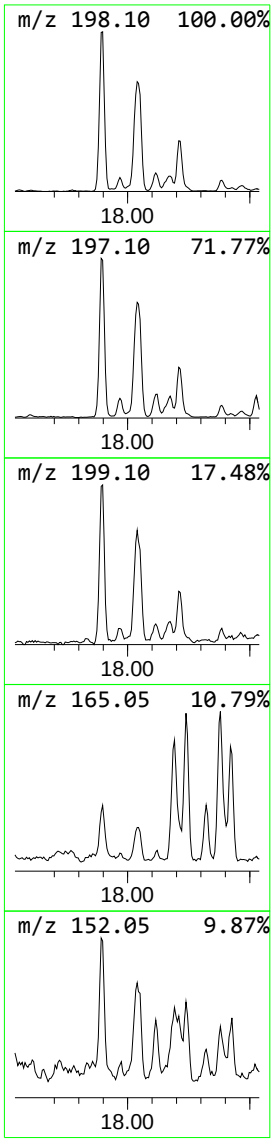
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	13.17 ng	448828	Phenanthrene-d10	17.321

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

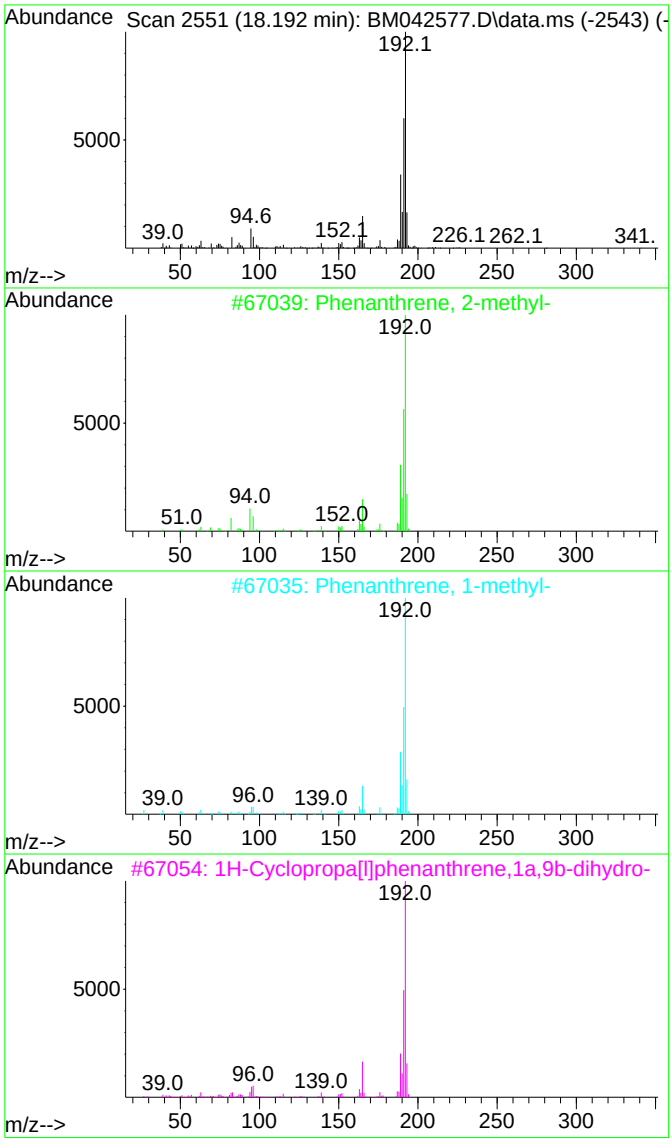
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

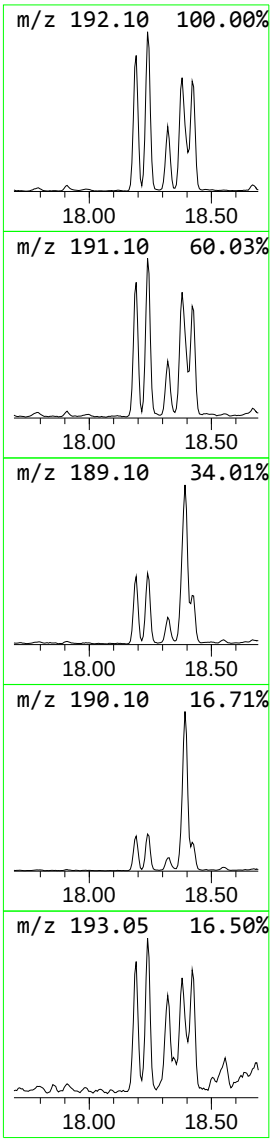
****

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.192	30.51 ng	1039600	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

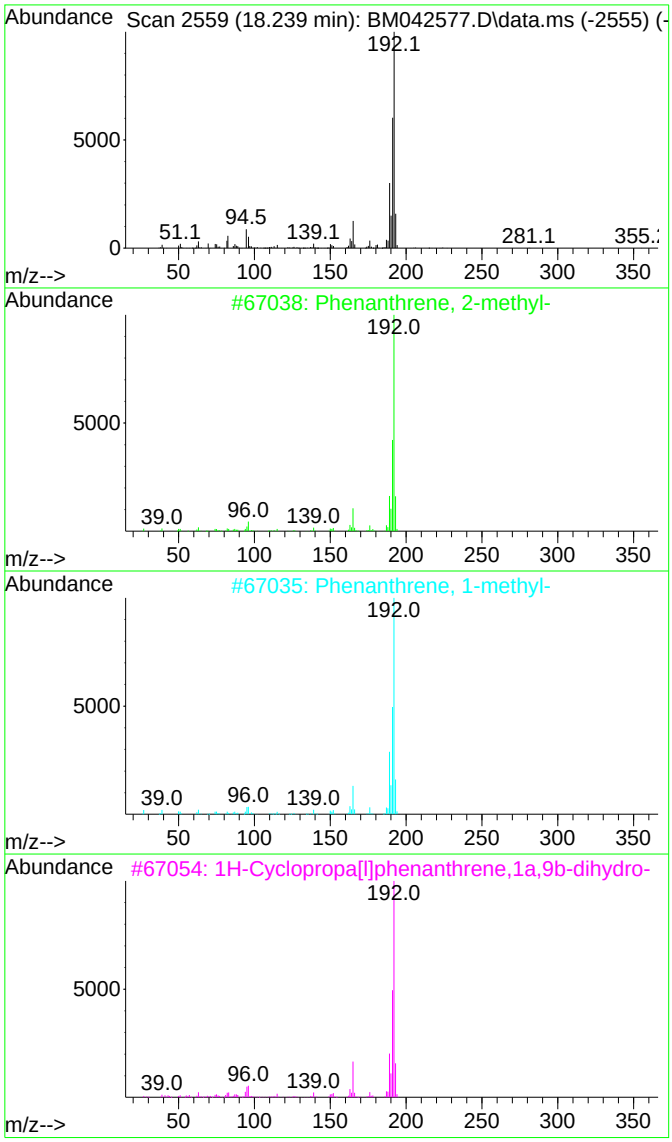
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

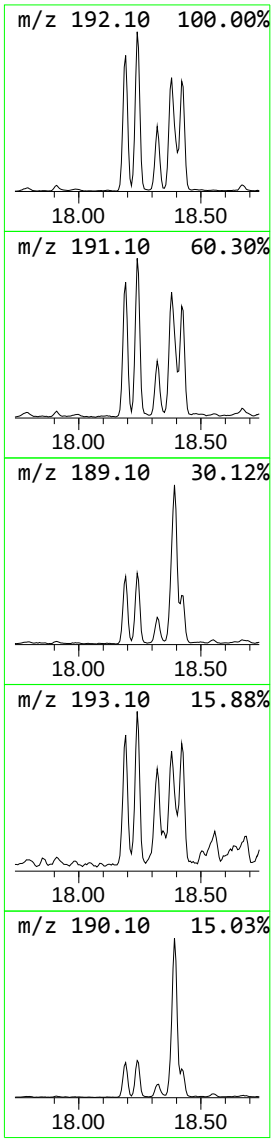
****

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.239	26.40 ng	899448	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

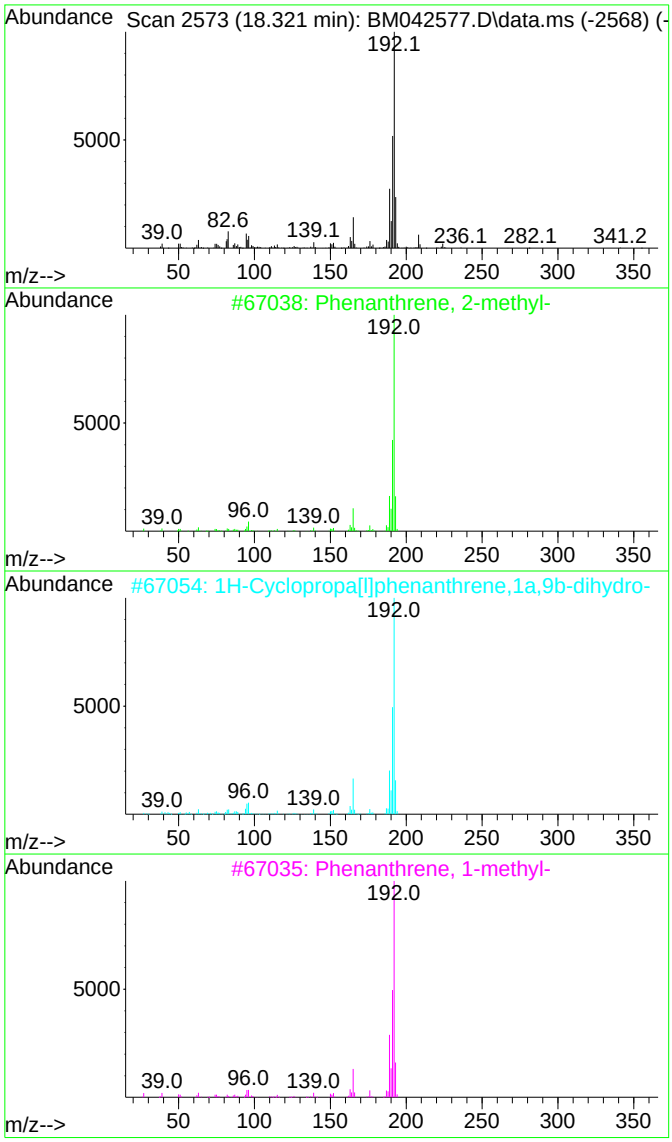
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

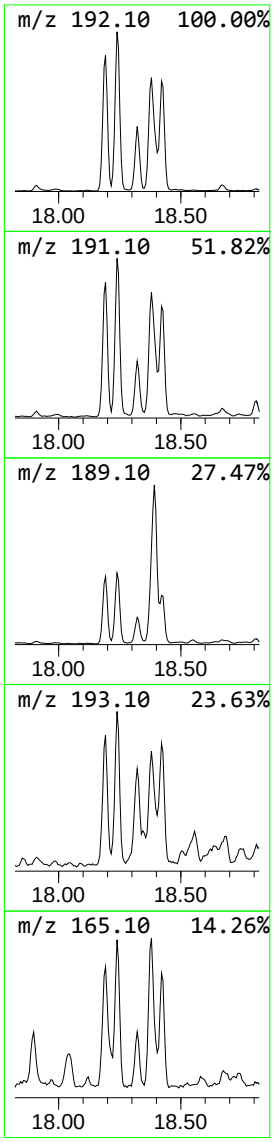
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.321	10.47 ng	356688	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

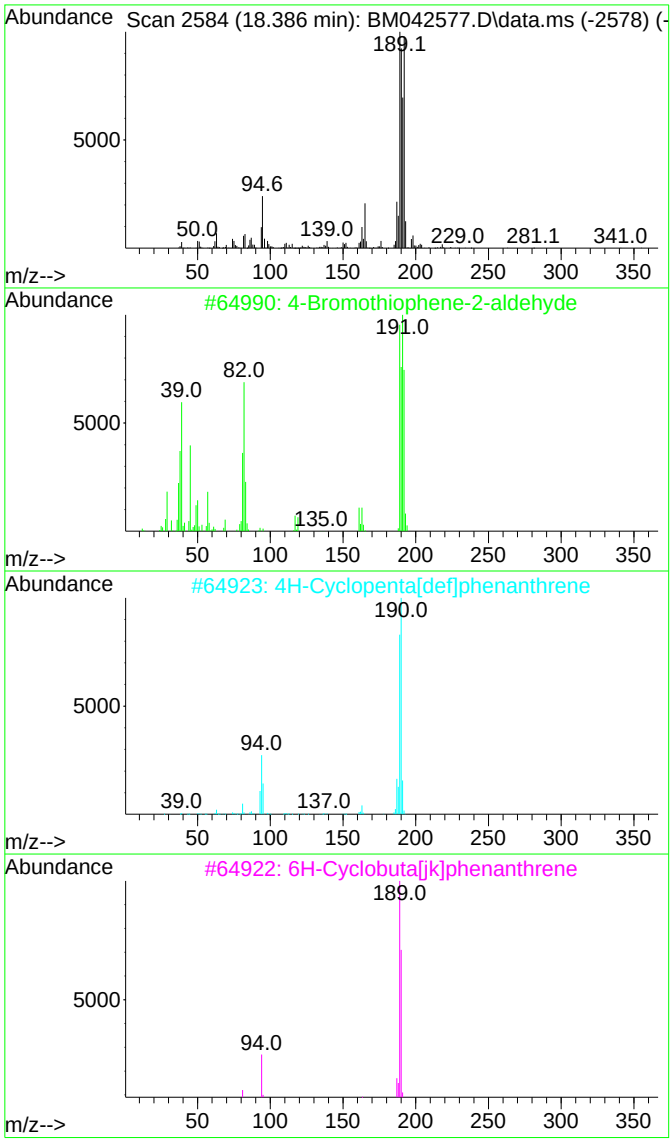
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

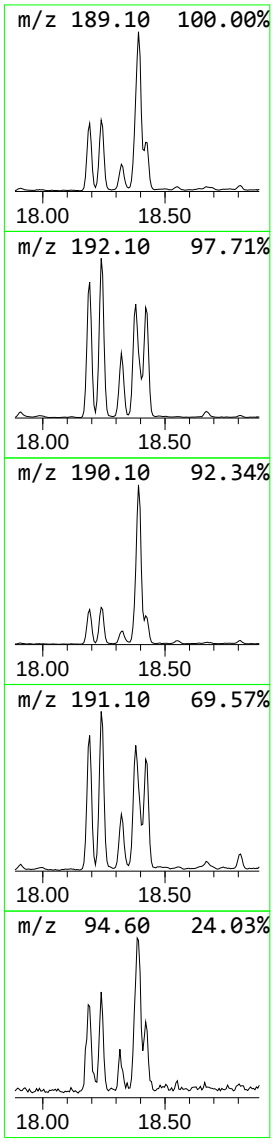
****

Peak Number 15 4-Bromothiophene-2-aldehyde Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.386	37.72 ng	1285040	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	58
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

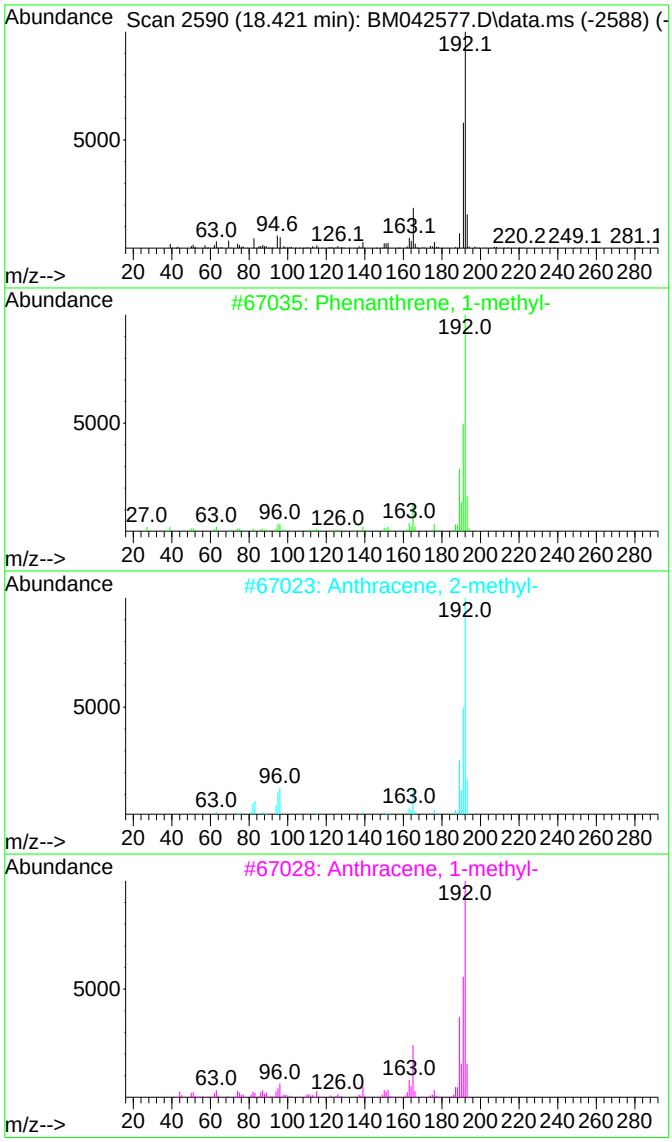
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

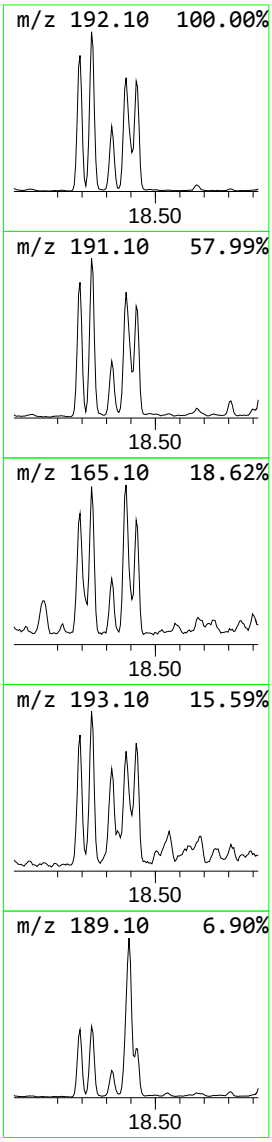
****

Peak Number 16 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.421	15.81 ng	538606	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

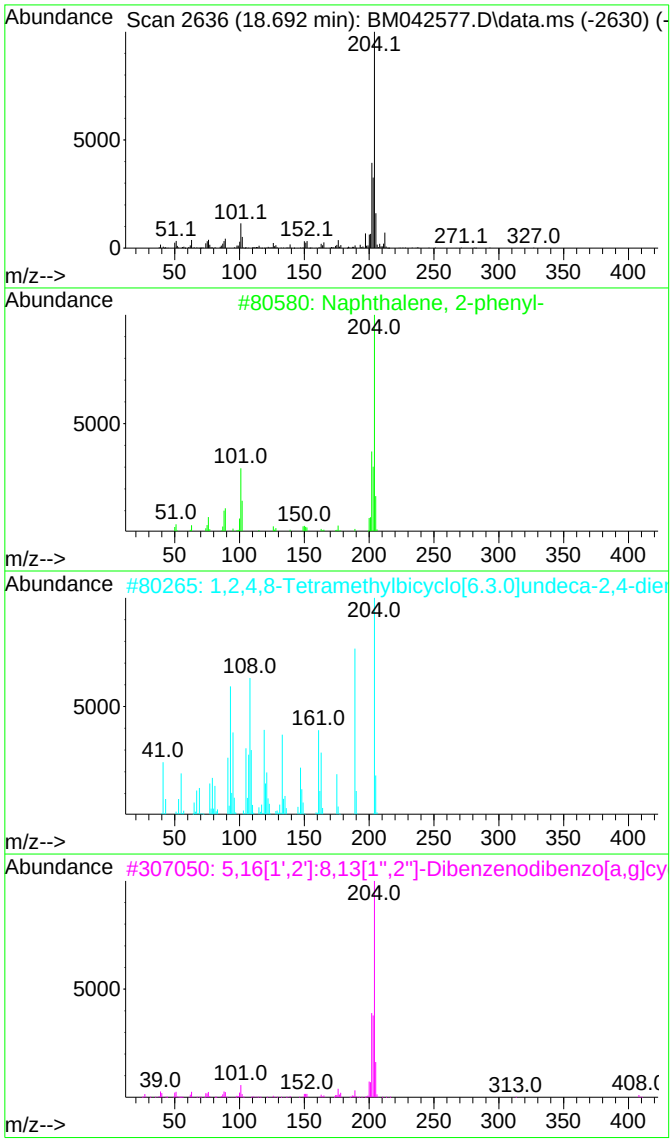
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

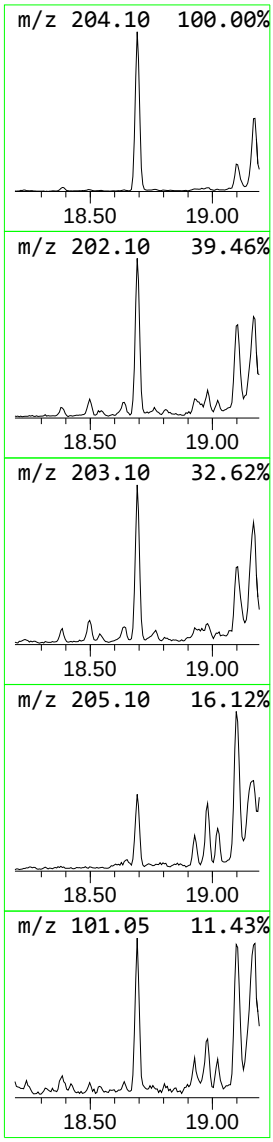
****

Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.692	13.51 ng	460316	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

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

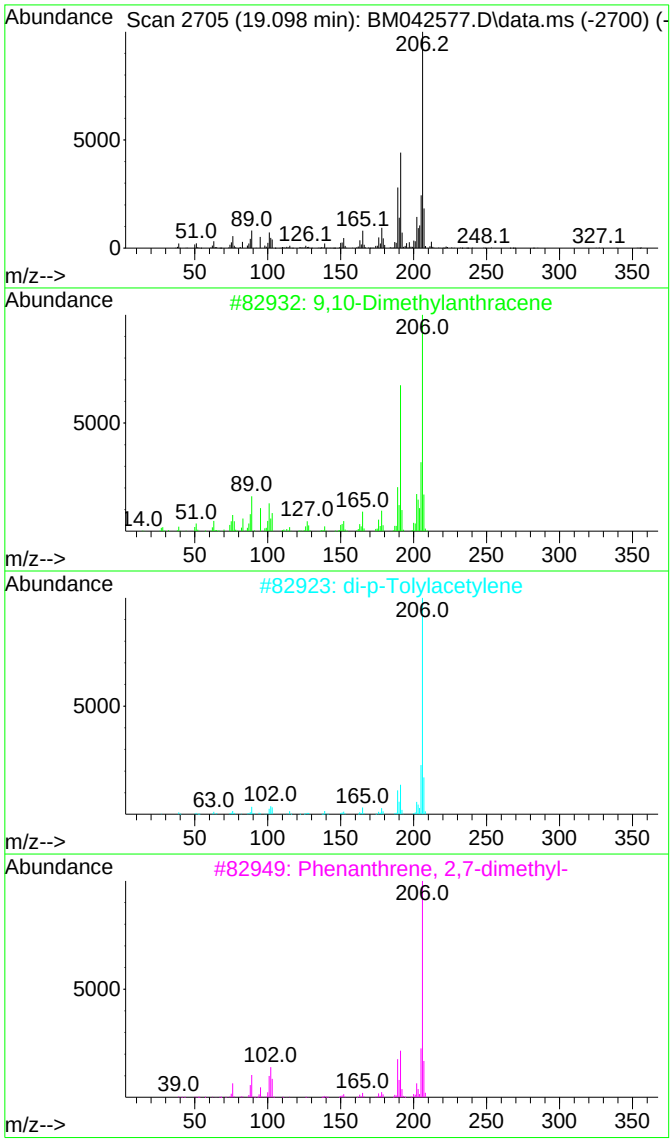
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

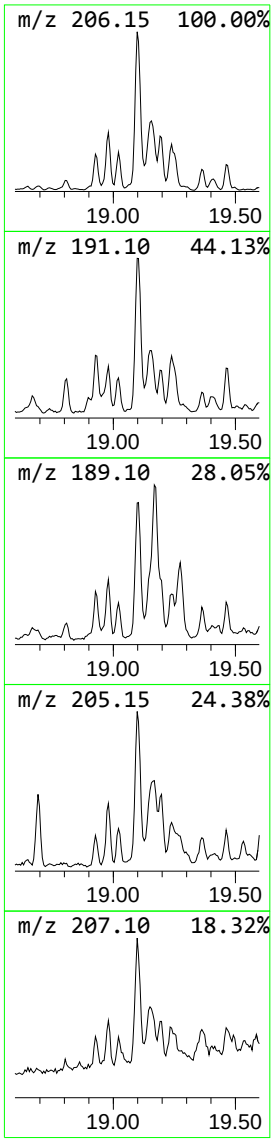
****

Peak Number 18 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.098	21.44 ng	730638	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

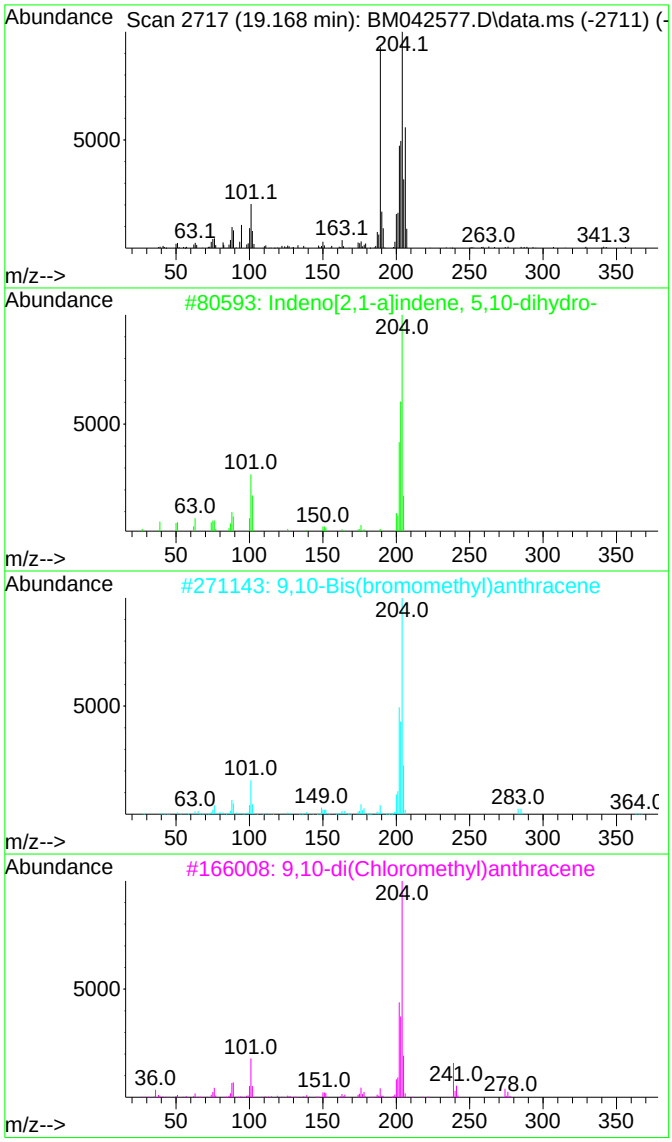
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

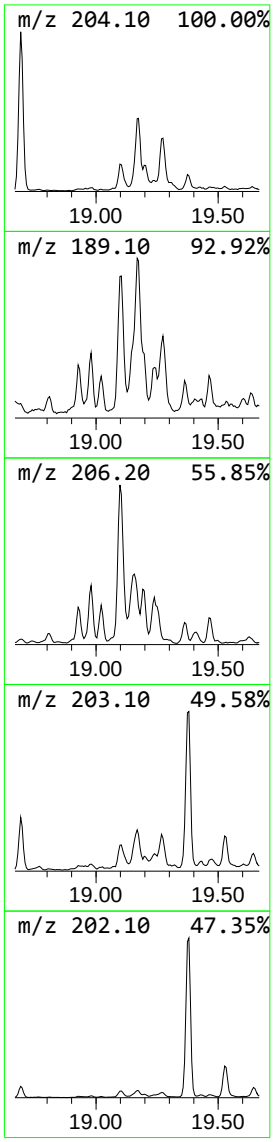
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Indeno[2,1-a]indene, 5,10-d... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.168	8.24 ng	280629	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	62
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(0-5)

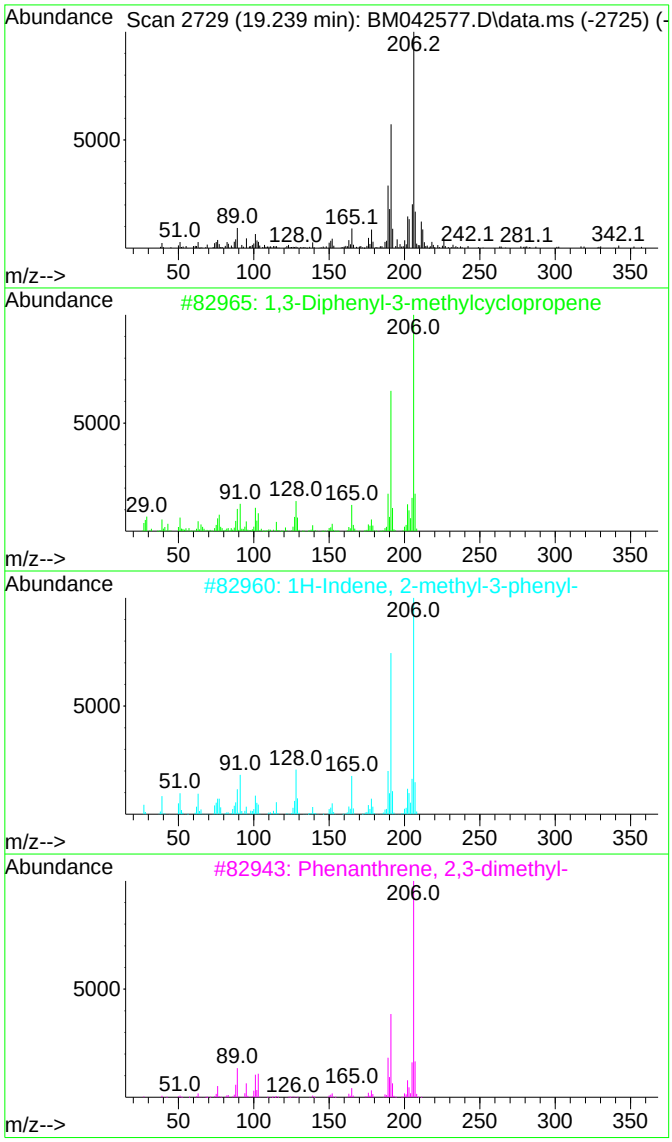
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

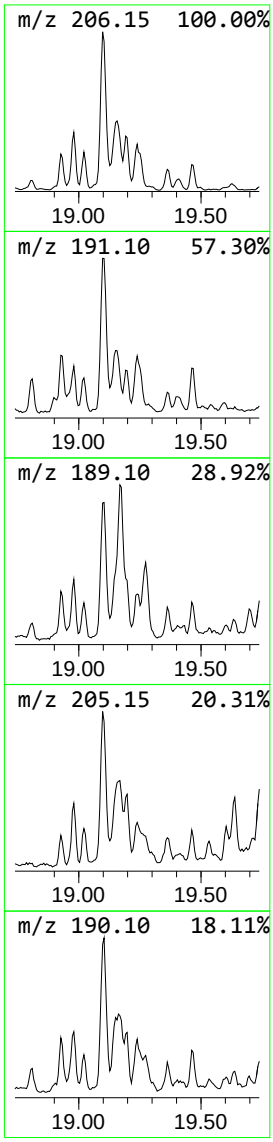
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1,3-Diphenyl-3-methylcyclop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.239	6.47 ng	220597	Phenanthrene-d10	17.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	93
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042577.D
Acq On : 03 Nov 2023 19:11
Operator : MA/JU
Sample : 05220-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
L-2(125FT)(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, 2,...	13.739	20.1	ng	571887	3	14.568	568121	20.0
Naphthalene, 1,...	13.880	24.6	ng	697340	3	14.568	568121	20.0
Naphthalene, 2,...	14.116	11.4	ng	325157	3	14.568	568121	20.0
Naphthalene, 1,...	14.768	9.1	ng	257439	3	14.568	568121	20.0
Naphthalene, 1,...	15.163	9.9	ng	280570	3	14.568	568121	20.0
1-Isopropenylna...	15.733	7.1	ng	202500	3	14.568	568121	20.0
9H-Fluorene, 2-...	16.610	12.5	ng	425679	4	17.321	681417	20.0
9H-Fluorene, 1-...	16.662	6.3	ng	215463	4	17.321	681417	20.0
Dibenzothiophene	17.139	17.4	ng	591243	4	17.321	681417	20.0
1-Methyldibenzo...	17.898	14.3	ng	486048	4	17.321	681417	20.0
4-Methylnaphtho...	18.039	13.2	ng	448828	4	17.321	681417	20.0
Phenanthrene, 2...	18.192	30.5	ng	1039600	4	17.321	681417	20.0
Phenanthrene, 1...	18.239	26.4	ng	899448	4	17.321	681417	20.0
1H-Cyclopropa[l...	18.321	10.5	ng	356688	4	17.321	681417	20.0
4-Bromothiophen...	18.386	37.7	ng	1285040	4	17.321	681417	20.0
Anthracene, 2-m...	18.421	15.8	ng	538606	4	17.321	681417	20.0
Naphthalene, 2-...	18.692	13.5	ng	460316	4	17.321	681417	20.0
9,10-Dimethylan...	19.098	21.4	ng	730638	4	17.321	681417	20.0
Indeno[2,1-a]in...	19.168	8.2	ng	280629	4	17.321	681417	20.0
1,3-Diphenyl-3-...	19.239	6.5	ng	220597	4	17.321	681417	20.0