LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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: BM042521.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.010	306	310	317	rBV	111234	147964	4.63%	0.261%
2	5.463	380	387	393	rBV	1084293	1535417	48.03%	2.709%
3	7.093	657	664	674	rVV	1024284	1636332	51.18%	2.887%
4	7.540	734	740	752	rVV2	100818	218178	6.82%	0.385%
5	7.922	793	805	811	rBV	351859	544676	17.04%	0.961%
6	8.275	860	865	874	rVB	53007	99727	3.12%	0.176%
7	8.451	886	895	900	rVV2	46926	119587	3.74%	0.211%
8	8.951	974	980	985	rBV	156575	241882	7.57%	0.427%
9	9.075	994	1001	1004	rBV	97747	157252	4.92%	0.277%
10	9.122	1004	1009	1015	rVV	644617	1026304	32.10%	1.811%
11	9.587	1082	1088	1096	rVB	72662	140286	4.39%	0.248%
12	10.104	1172	1176	1180	rVV	69296	113790	3.56%	0.201%
13	10.151	1180	1184	1191	rVB4	67870	141698	4.43%	0.250%
14	10.510	1239	1245	1250	rBV	192905	281794	8.81%	0.497%
15	10.628	1260	1265	1270	rBV	136295	196947	6.16%	0.348%
16	10.739	1279	1284	1289	rVV	417130	745762	23.33%	1.316%
17	10.792	1289	1293	1303	rVV	592508	1003641	31.39%	1.771%
18	10.916	1303	1314	1320	rVB2	84057	187282	5.86%	0.330%
19	11.669	1438	1442	1447	rVB	83404	119585	3.74%	0.211%
20	11.980	1490	1495	1500	rVB	226102	293491	9.18%	0.518%
21	12.080	1507	1512	1517	rBV	152824	206295	6.45%	0.364%
22	12.292	1542	1548	1557	rVB3	70188	140513	4.40%	0.248%
23	12.398	1559	1566	1576	rBV	537919	858499	26.85%	1.515%
24	12.616	1594	1603	1609	rBV	544938	850238	26.60%	1.500%
25	13.027	1668	1673	1679	rVB	90517	129305	4.04%	0.228%
26	13.192	1695	1701	1706	rBV	1588800	2135532	66.80%	3.768%
27	13.245	1706	1710	1714	rVV	126355	161548	5.05%	0.285%
28	13.327	1715	1724	1729	rVB	203964	327807	10.25%	0.578%
29	13.410	1733	1738	1745	rVB2	114519	178577	5.59%	0.315%
30	13.551	1756	1762	1766	rBV4	43940	93878	2.94%	0.166%
31	13.745	1786	1795	1801	rBV2	191879	499990	15.64%	0.882%
32	13.804	1801	1805	1810	rVV3	82854	147263	4.61%	0.260%
33	13.886	1813	1819	1824	rVV	312543	577174	18.05%	1.018%
34	13.939	1824	1828	1831	rVV	228822	377855	11.82%	0.667%
35	13.969	1831	1833	1839	rVV3	177135	249463	7.80%	0.440%
36	14.022	1839	1842	1852	rVB4	64896	118531	3.71%	0.209%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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	14.122	1852	1859	1862	rBV2	138472	226280	7.08%	0.399%
38	14.251	1876	1881	1884	rBV2	69688	130083	4.07%	0.230%
39	14.298	1884	1889	1892	rVV2	156681	290322	9.08%	0.512%
40	14.333	1892	1895	1902	rVV2	105836	183996	5.76%	0.325%
41	14.398	1902	1906	1914	rVV	343633	454534	14.22%	0.802%
42	14.574	1931	1936	1943	rVV	570514	864058	27.03%	1.525%
43	14.639	1943	1947	1958	rVB3	103662	216165	6.76%	0.381%
44	14.780	1964	1971	1977	rBV6	63244	160185	5.01%	0.283%
45	14.851	1977	1983	1987	rBV5	53538	122154	3.82%	0.216%
46	14.898	1987	1991	1995	rBV2	90345	142280	4.45%	0.251%
47	14.951	1996	2000	2006	rVB2	131395	224655	7.03%	0.396%
48	15.016	2006	2011	2012	rBV2	117737	168711	5.28%	0.298%
49	15.169	2033	2037	2043	rBV2	100595	210110	6.57%	0.371%
50	15.227	2043	2047	2054	rVB4	104019	189383	5.92%	0.334%
51	15.351	2064	2068	2072	rVB	595032	692492	21.66%	1.222%
52	15.621	2110	2114	2125	rVB	158966	315751	9.88%	0.557%
53	15.745	2130	2135	2141	rVV	499482	822429	25.73%	1.451%
54	15.904	2159	2162	2165	rBV	107311	135239	4.23%	0.239%
55	15.974	2170	2174	2180	rBV	153998	201177	6.29%	0.355%
56	16.068	2184	2190	2200	rVB	1229302	1865005	58.34%	3.291%
57	16.221	2210	2216	2221	rBV	1547755	2610770	81.66%	4.607%
58	16.474	2256	2259	2263	rBV2	76799	103500	3.24%	0.183%
59	16.551	2268	2272	2275	rVV	138534	219315	6.86%	0.387%
60	16.610	2276	2282	2288	rVB4	241877	530141	16.58%	0.935%
61	16.668	2289	2292	2297	rBV3	119120	174113	5.45%	0.307%
62	16.721	2298	2301	2306	rVB	131923	149440	4.67%	0.264%
63	16.786	2308	2312	2315	rBV2	139704	186445	5.83%	0.329%
64	16.833	2317	2320	2323	rBV	85870	100416	3.14%	0.177%
65	17.010	2345	2350	2353	rBV	1440265	1691838	52.92%	2.985%
66	17.051	2353	2357	2362	rVB	1194753	1628197	50.93%	2.873%
67	17.145	2369	2373	2379	rBV3	162287	314489	9.84%	0.555%
68	17.245	2386	2390	2393	rBV2	139121	206990	6.47%	0.365%
69	17.321	2399	2403	2407	rBV	725185	1045226	32.69%	1.844%
70	17.368	2407	2411	2419	rVB	779346	1178964	36.88%	2.080%
71	17.457	2419	2426	2427	rBV2	191141	374169	11.70%	0.660%
72	17.545	2437	2441	2447	rBV2	208923	394745	12.35%	0.697%
73	17.621	2452	2454	2456	rVV	161447	168526	5.27%	0.297%
74	17.657	2456	2460	2465	rVB	454093	649791	20.33%	1.147%
75	17.751	2471	2476	2480	rBV	1844180	2194871	68.66%	3.873%
76	17.904	2498	2502	2511	rVB5	174480	425340	13.30%	0.751%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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	18.039	2520	2525	2532	rVB4	184808	512804	16.04%	0.905%
78	18.186	2545	2550	2556	rBV2	460173	931734	29.14%	1.644%
79	18.292	2565	2568	2572	rVB2	245716	316351	9.90%	0.558%
80	18.362	2577	2580	2581	rBV	204198	233440	7.30%	0.412%
81	18.445	2589	2594	2599	rVB	1630822	1926456	60.26%	3.399%
82	18.692	2633	2636	2641	rBV3	243161	416429	13.03%	0.735%
83	18.851	2660	2663	2665	rBV	173684	181735	5.68%	0.321%
84	18.892	2667	2670	2676	rVB2	423980	802920	25.12%	1.417%
85	19.027	2690	2693	2697	rVB2	278044	355371	11.12%	0.627%
86	19.080	2698	2702	2705	rBV	1158193	1379511	43.15%	2.434%
87	19.380	2749	2753	2757	rBV	706632	932797	29.18%	1.646%
88	19.451	2762	2765	2771	rVB2	315732	418858	13.10%	0.739%
89	19.656	2795	2800	2804	rVB2	776634	1066914	33.37%	1.883%
90	19.745	2811	2815	2821	rVB	751612	1030435	32.23%	1.818%
91	19.856	2831	2834	2837	rBV	151180	195783	6.12%	0.345%
92	19.939	2843	2848	2855	rBV	2699364	3196940	100.00%	5.641%
93	20.192	2888	2891	2895	rBV2	433981	576516	18.03%	1.017%
94	20.233	2896	2898	2903	rVB	250614	339575	10.62%	0.599%
95	20.333	2913	2915	2918	rBV2	140125	144527	4.52%	0.255%
96	20.686	2973	2975	2978	rVB	165578	167072	5.23%	0.295%
97	21.503	3108	3114	3118	rBV2	874360	1543630	48.28%	2.724%
98	21.545	3118	3121	3126	rVB	367755	448603	14.03%	0.792%
99	23.180	3395	3399	3415	rVB	242242	742280	23.22%	1.310%
100	23.927	3521	3526	3532	rVB	461214	846622	26.48%	1.494%

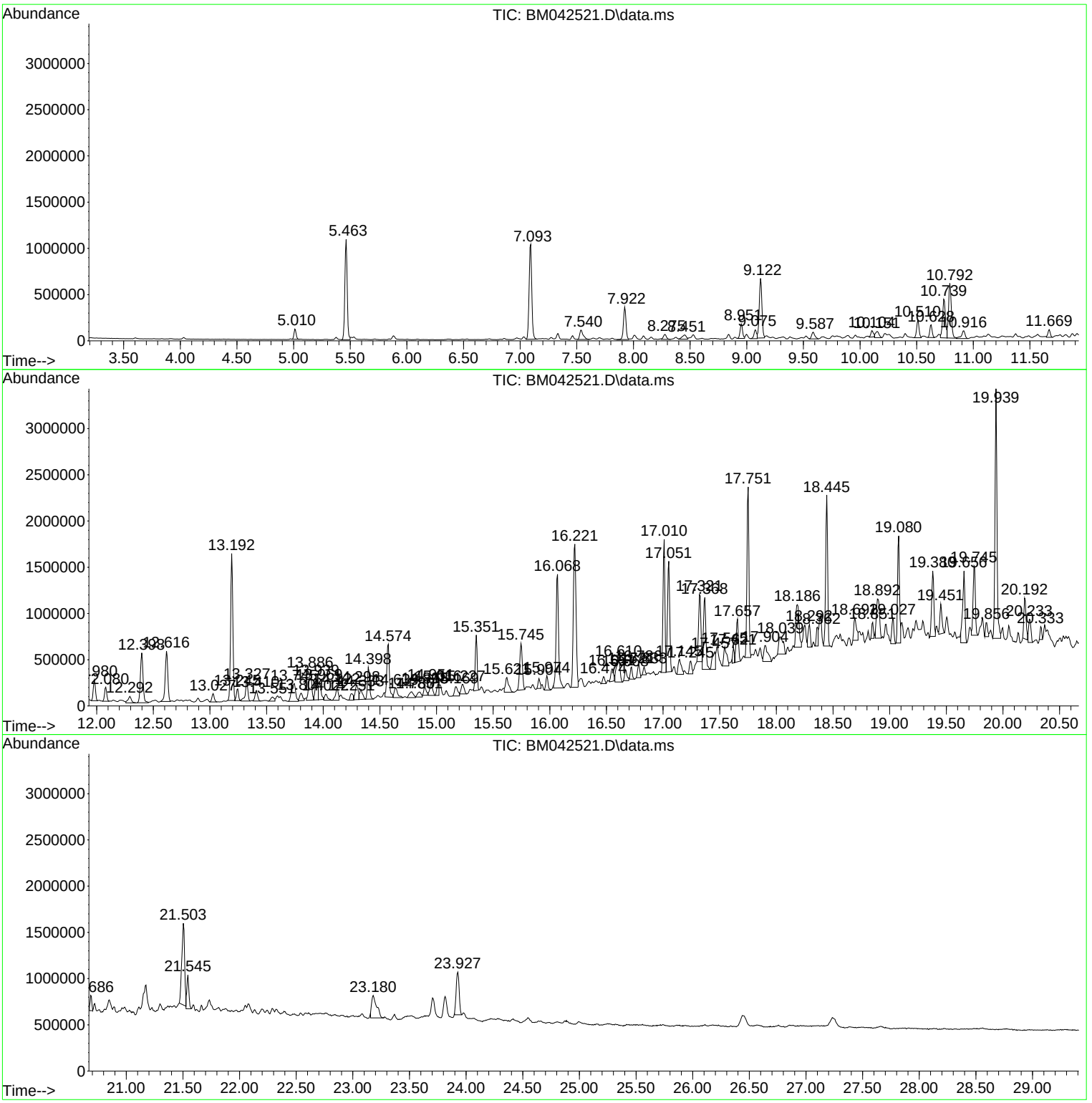
Sum of corrected areas: 56673661

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

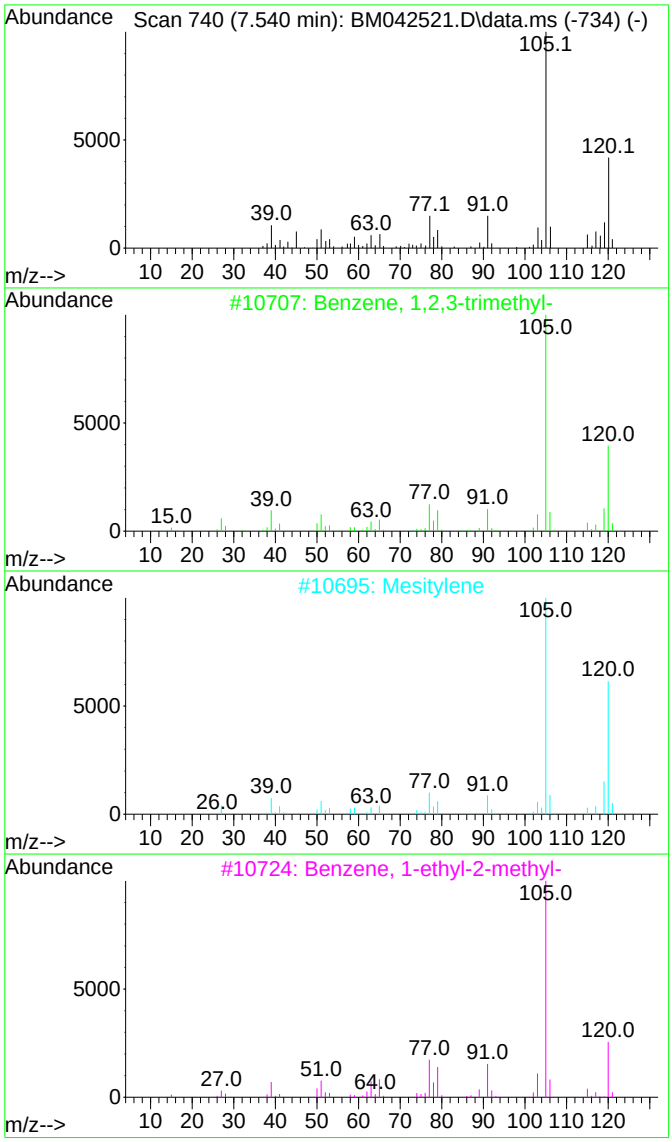
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

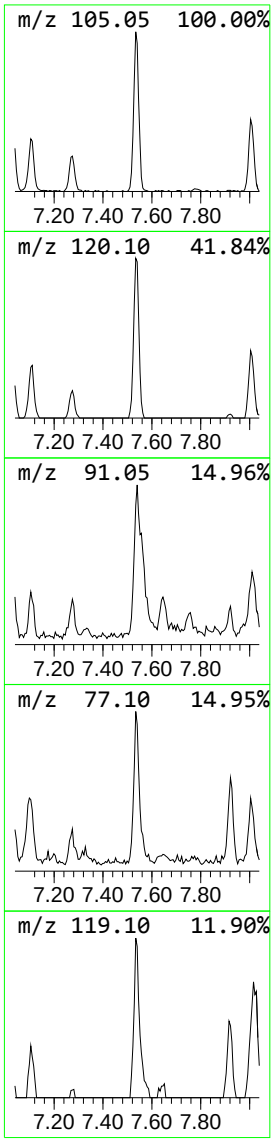
****

Peak Number 1 Benzene, 1,2,3-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.540	8.01 ng	218178	1,4-Dichlorobenzene-d4	7.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Mesitylene	120	C9H12	000108-67-8	93
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

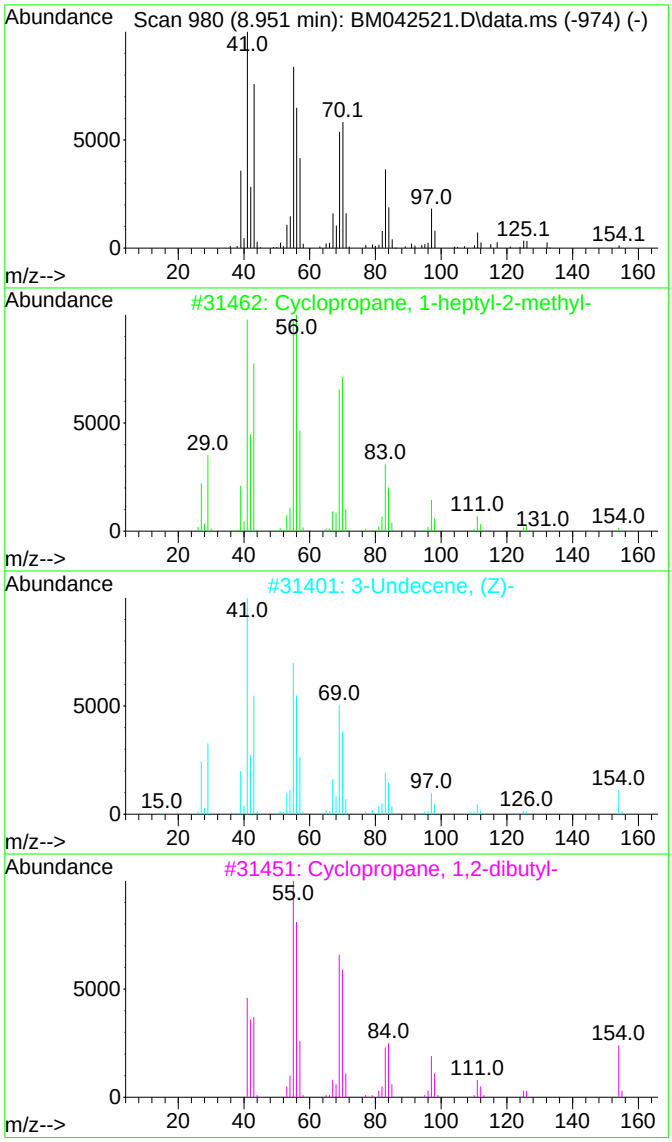
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

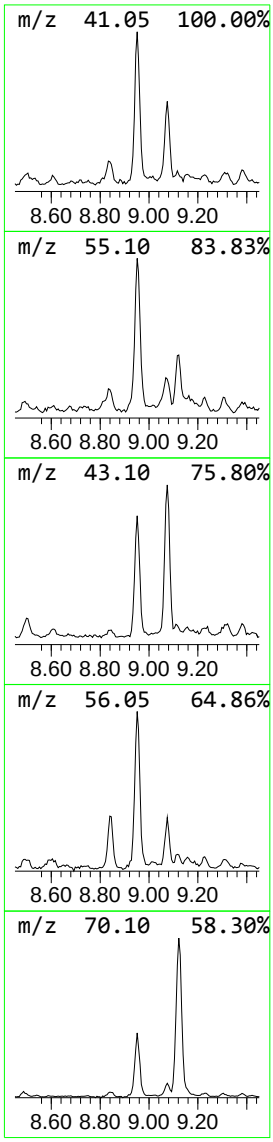
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclopropane, 1-heptyl-2-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.951	8.88 ng	241882	1,4-Dichlorobenzene-d4	7.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-heptyl-2-methyl-	154	C11H22	074663-91-5	95
2	3-Undecene, (Z)-	154	C11H22	000821-97-6	91
3	Cyclopropane, 1,2-dibutyl-	154	C11H22	041977-32-6	90
4	Cyclopropane, 1-methyl-2-octyl-	168	C12H24	037617-26-8	90
5	Cyclopropane, 1-ethyl-2-heptyl-	168	C12H24	074663-86-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

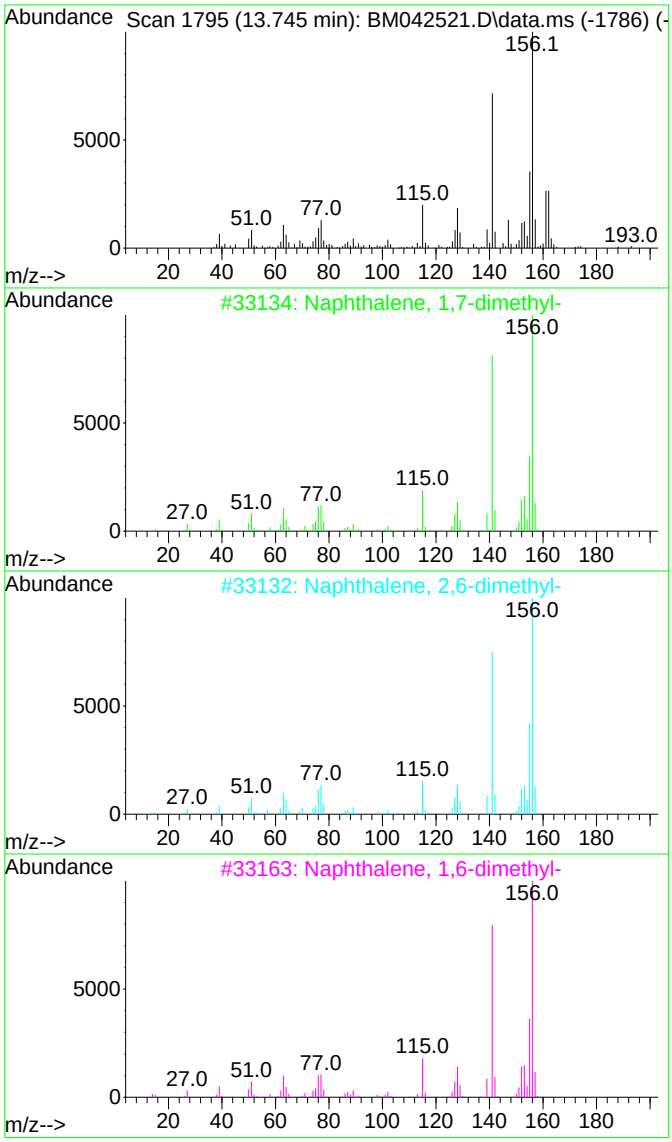
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

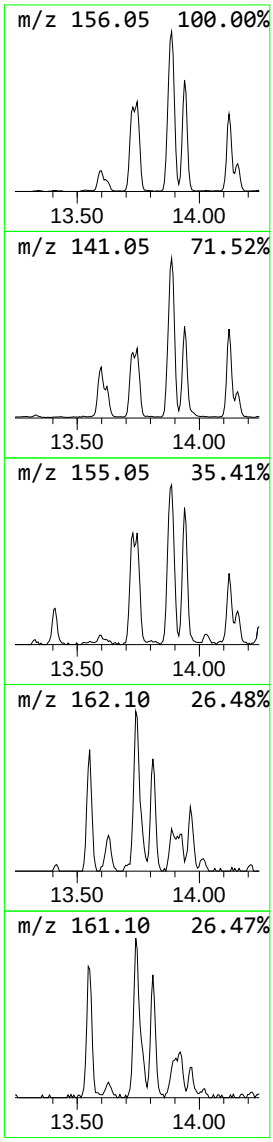
****

Peak Number 3 Naphthalene, 1,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.745	11.57 ng	499990	Acenaphthene-d10	14.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

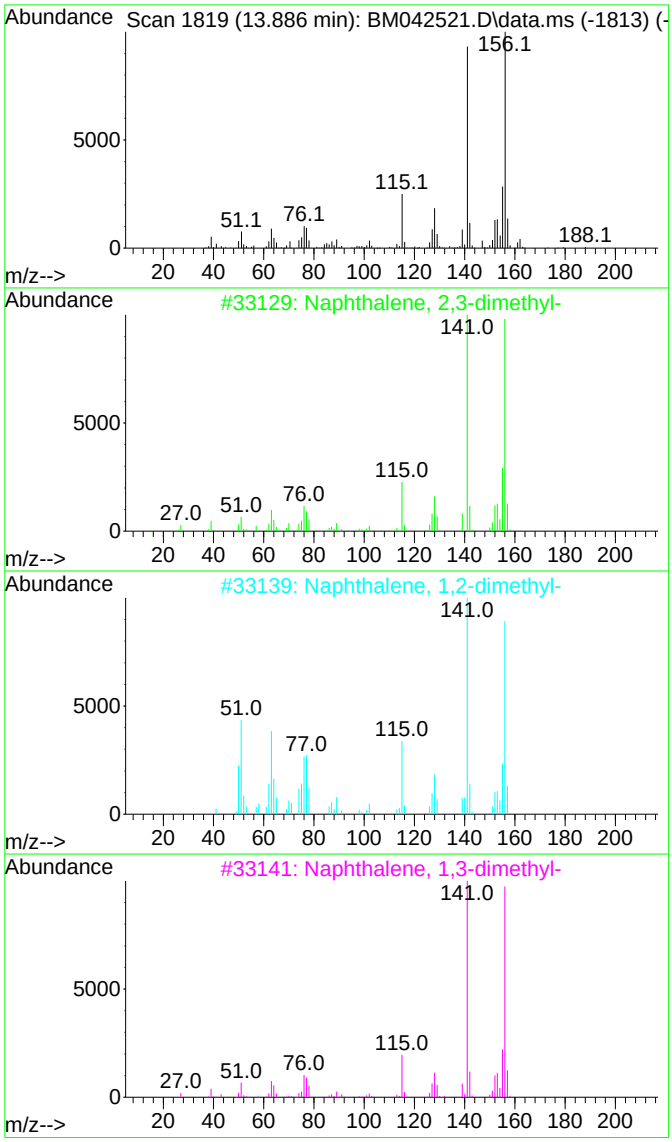
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

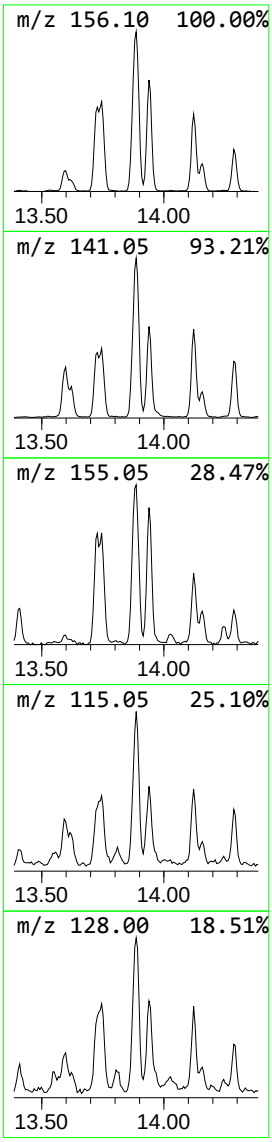
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	13.36 ng	577174	Acenaphthene-d10	14.574

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

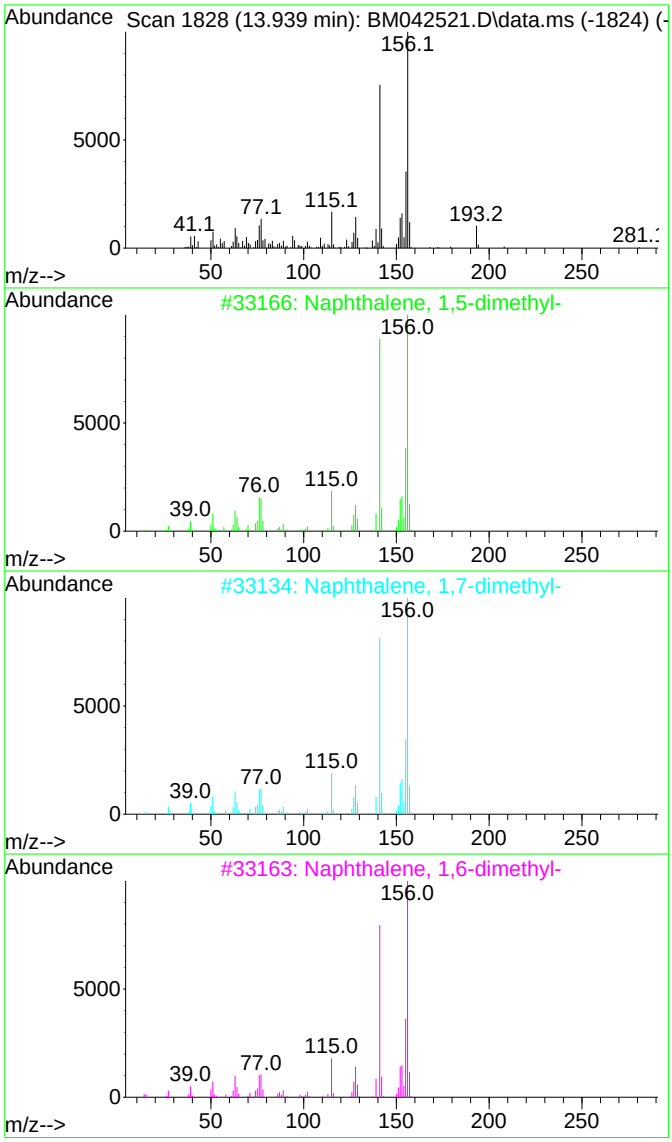
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

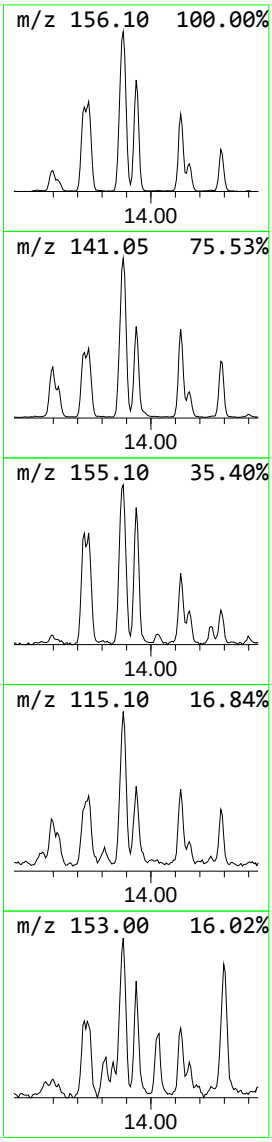
****

Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.939	8.75 ng	377855	Acenaphthene-d10	14.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

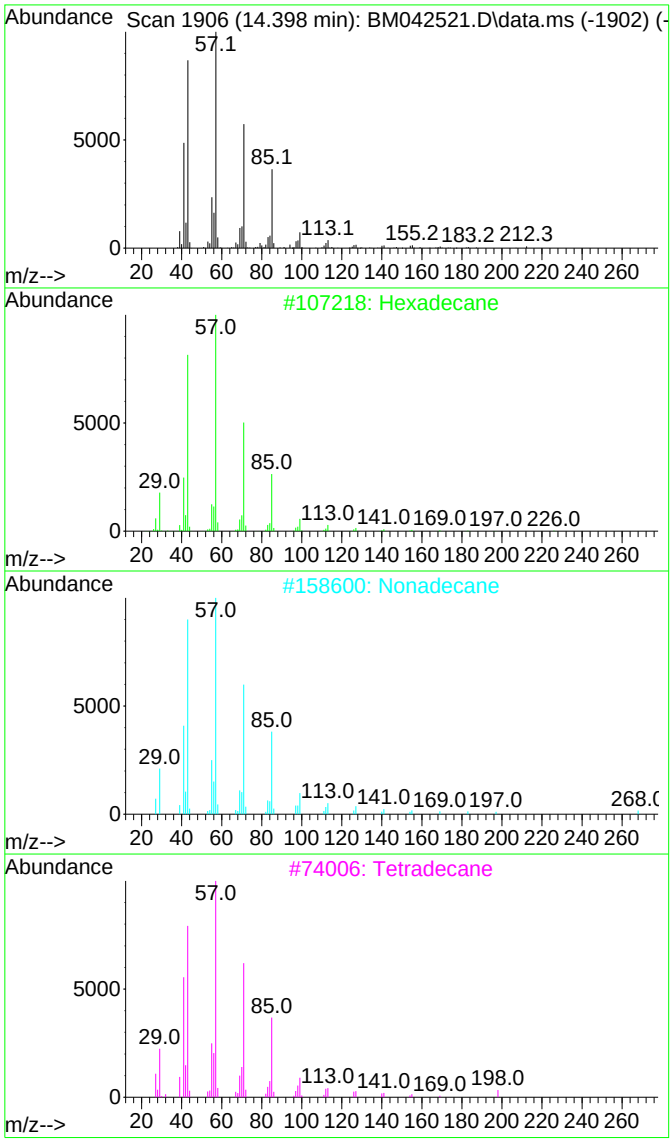
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

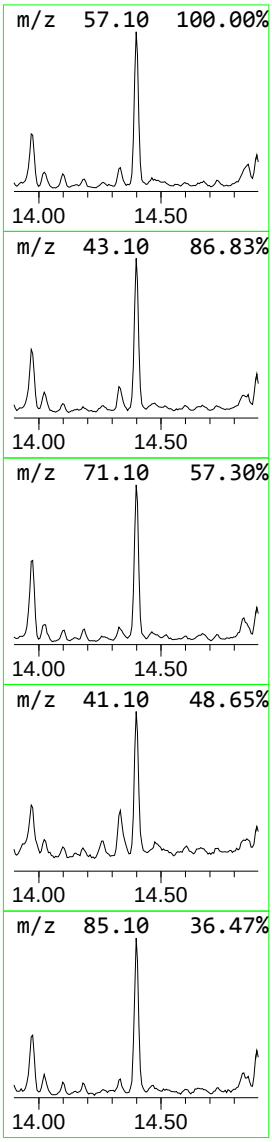
****

Peak Number 6 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.398	10.52 ng	454534	Acenaphthene-d10	14.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Nonadecane	268	C19H40	000629-92-5	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Pentadecane	212	C15H32	000629-62-9	89
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

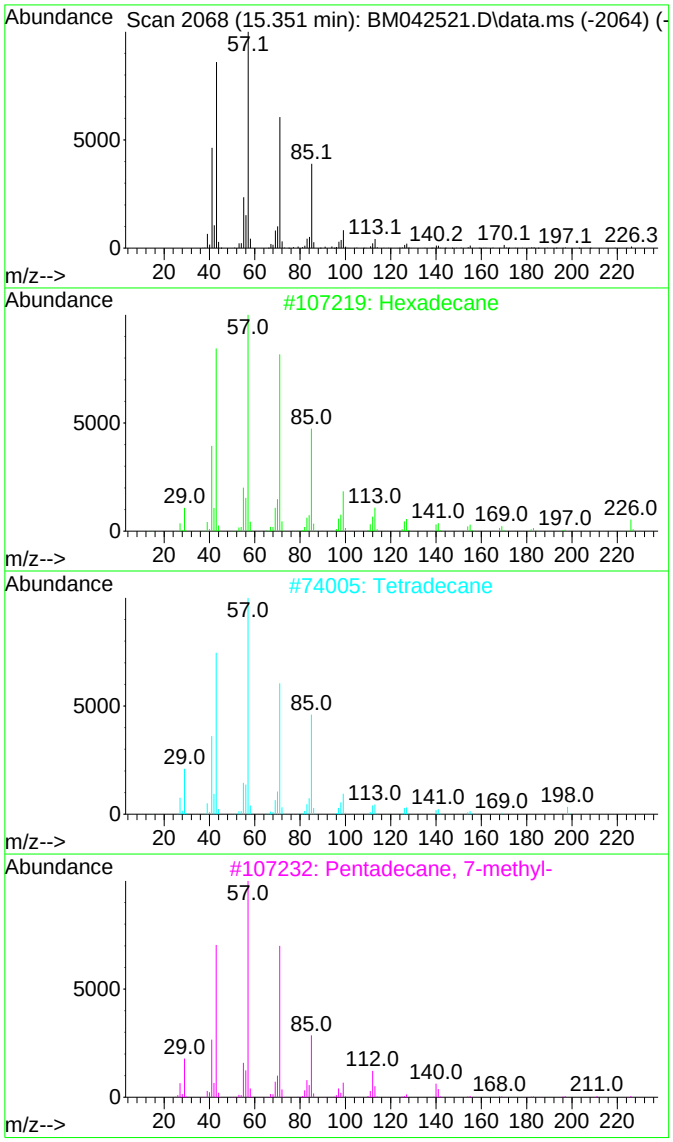
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

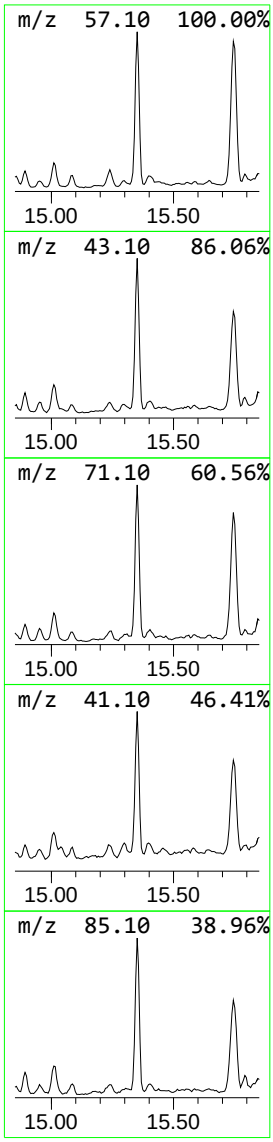
****

Peak Number 7 Tetradecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.351	16.03 ng	692492	Acenaphthene-d10	14.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Tetradecane	198	C14H30	000629-59-4	90
3	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	87
4	Undecane, 2-methyl-	170	C12H26	007045-71-8	87
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

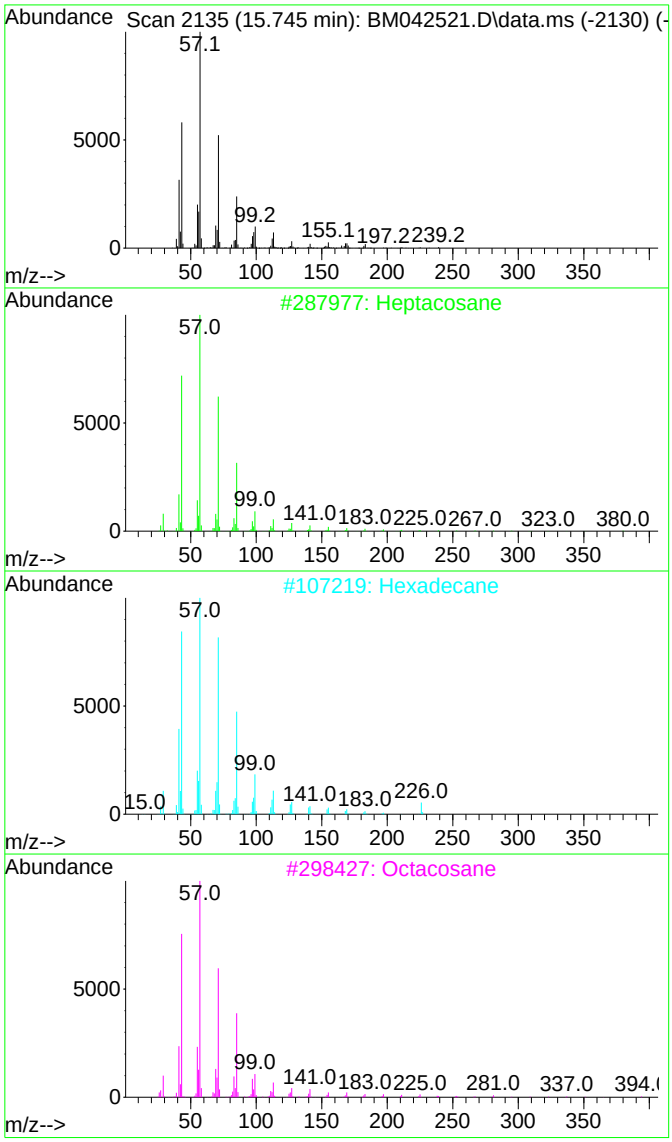
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

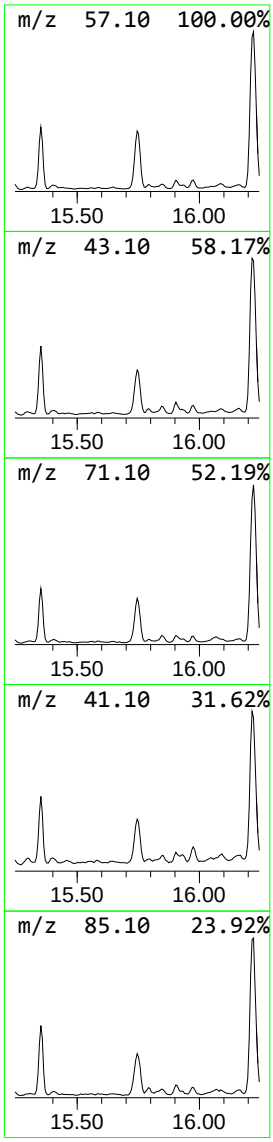
****

Peak Number 8 Heptacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.745	19.04 ng	822429	Acenaphthene-d10	14.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	86
2	Hexadecane	226	C16H34	000544-76-3	86
3	Octacosane	394	C28H58	000630-02-4	72
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
5	Decane, 2-methyl-	156	C11H24	006975-98-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

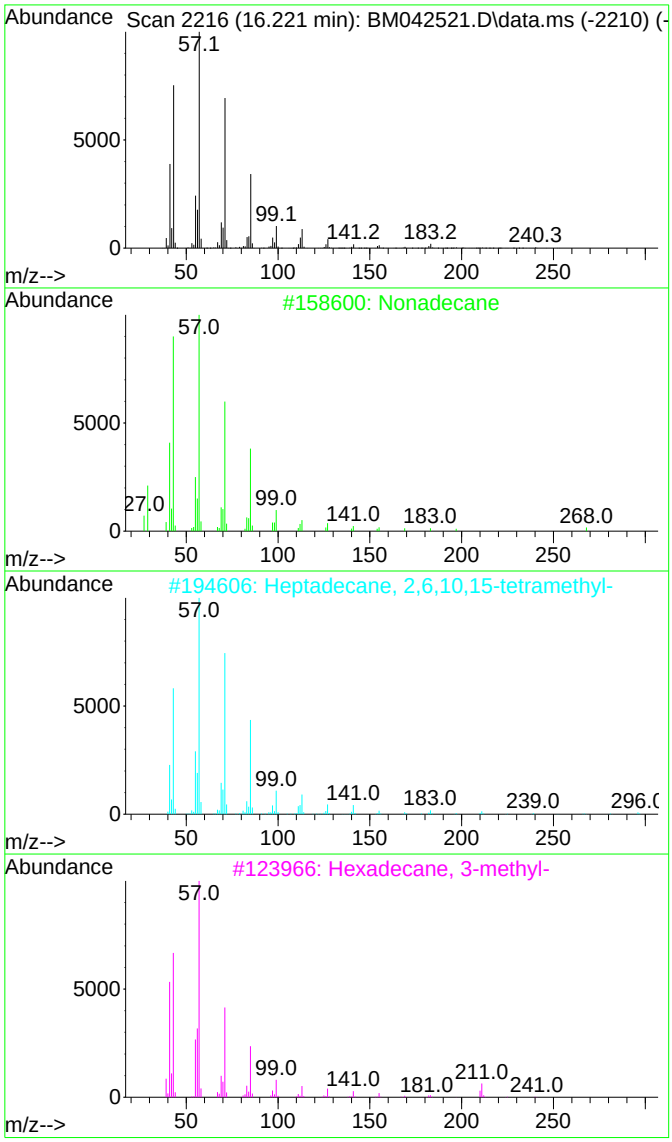
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

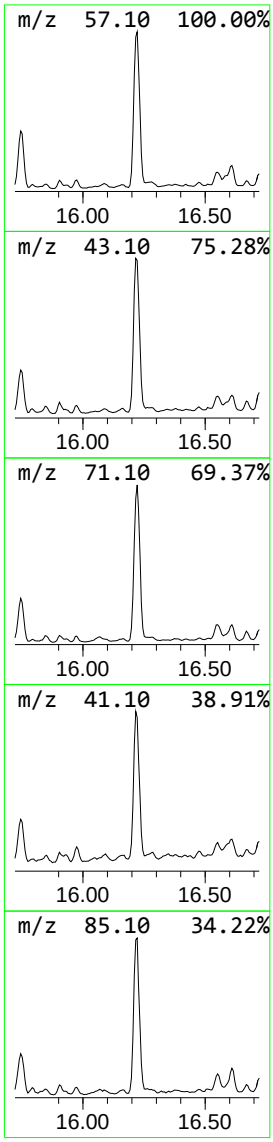
****

Peak Number 9 Nonadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.221	49.96 ng	2610770	Phenanthrene-d10	17.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
3	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	90
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
5	Tetracosane	338	C24H50	000646-31-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

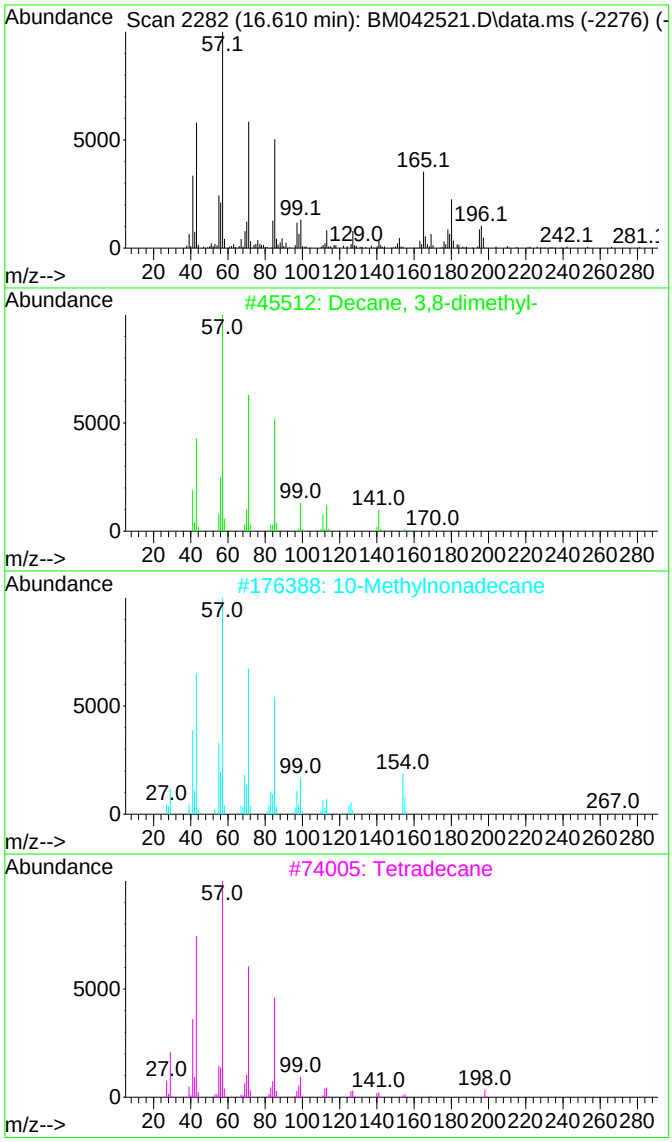
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

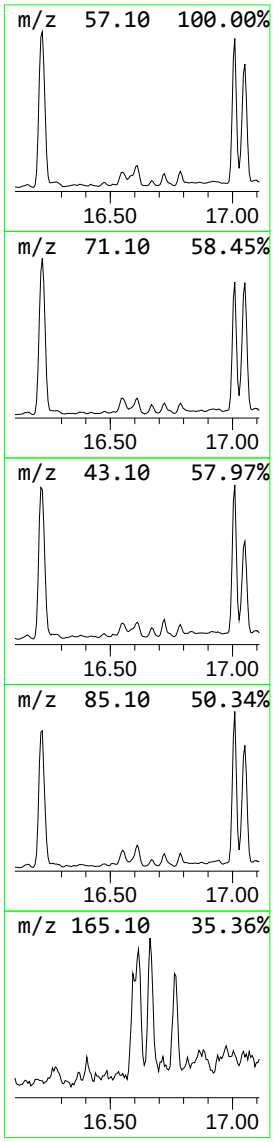
****

Peak Number 10 Decane, 3,8-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.610	10.14 ng	530141	Phenanthrene-d10	17.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	58
2	10-Methylnonadecane	282	C20H42	056862-62-5	58
3	Tetradecane	198	C14H30	000629-59-4	58
4	Tridecane	184	C13H28	000629-50-5	49
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

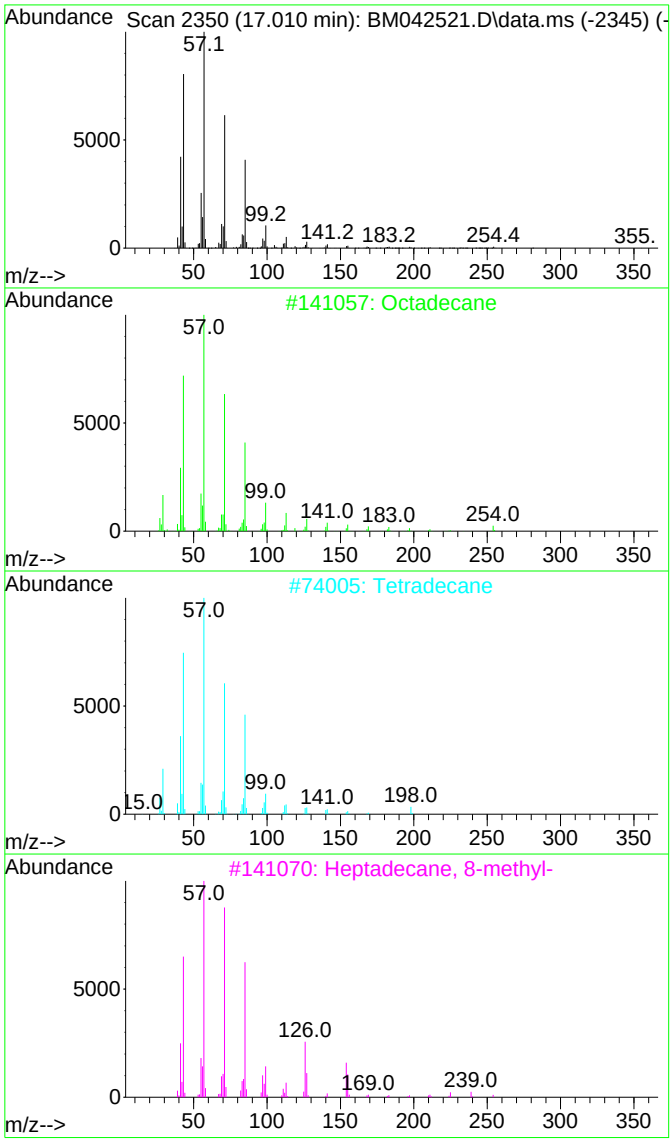
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

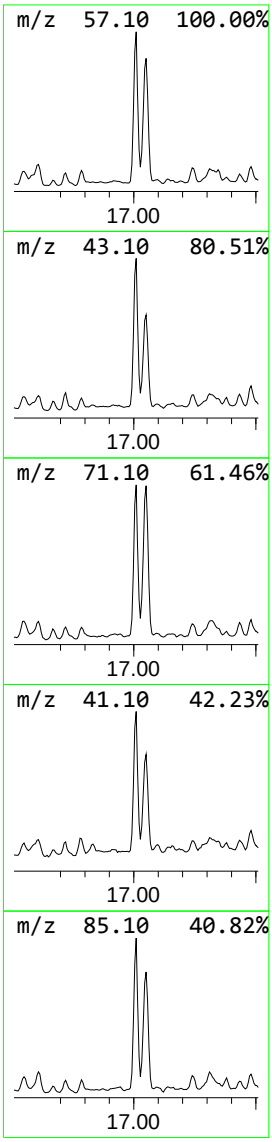
****

Peak Number 11 Octadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.010	32.37 ng	1691840	Phenanthrene-d10	17.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	94
2	Tetradecane	198	C14H30	000629-59-4	94
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	93
4	Heneicosane	296	C21H44	000629-94-7	90
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

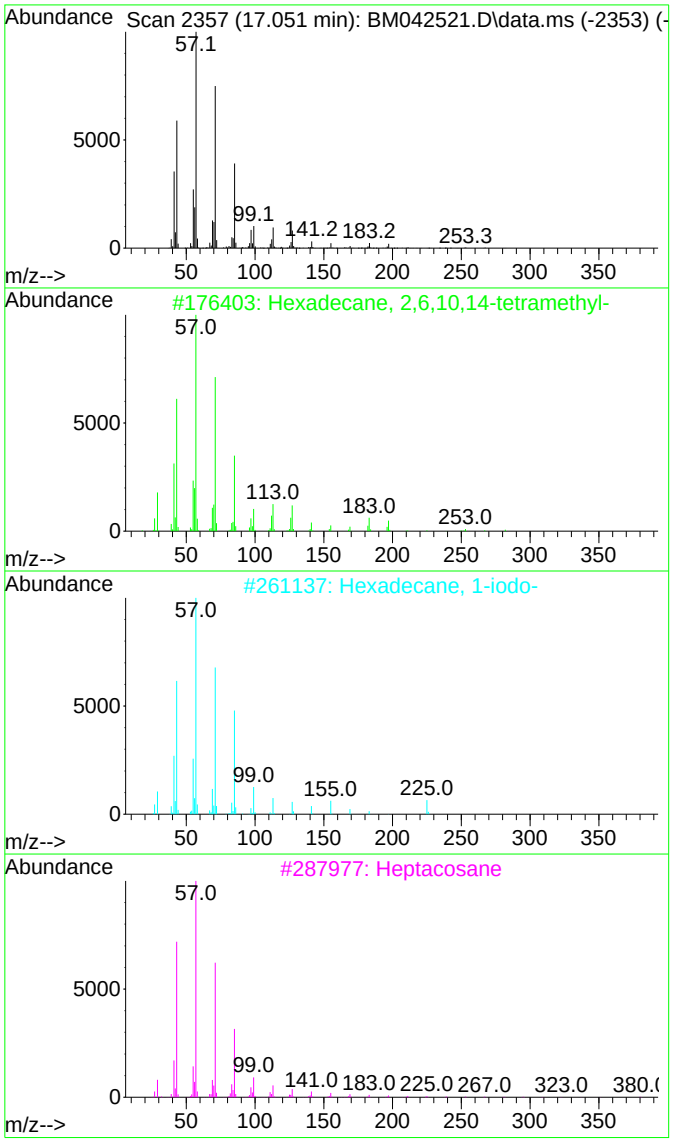
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

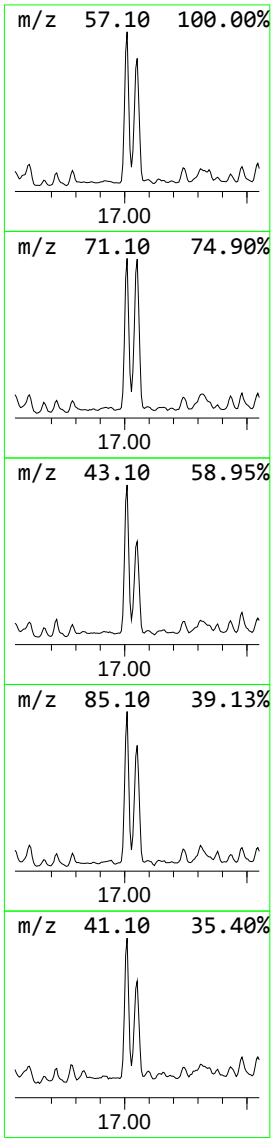
****

Peak Number 12 Hexadecane, 2,6,10,14-tetra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.051	31.15 ng	1628200	Phenanthrene-d10	17.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
2	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	90
3	Heptacosane	380	C27H56	000593-49-7	90
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

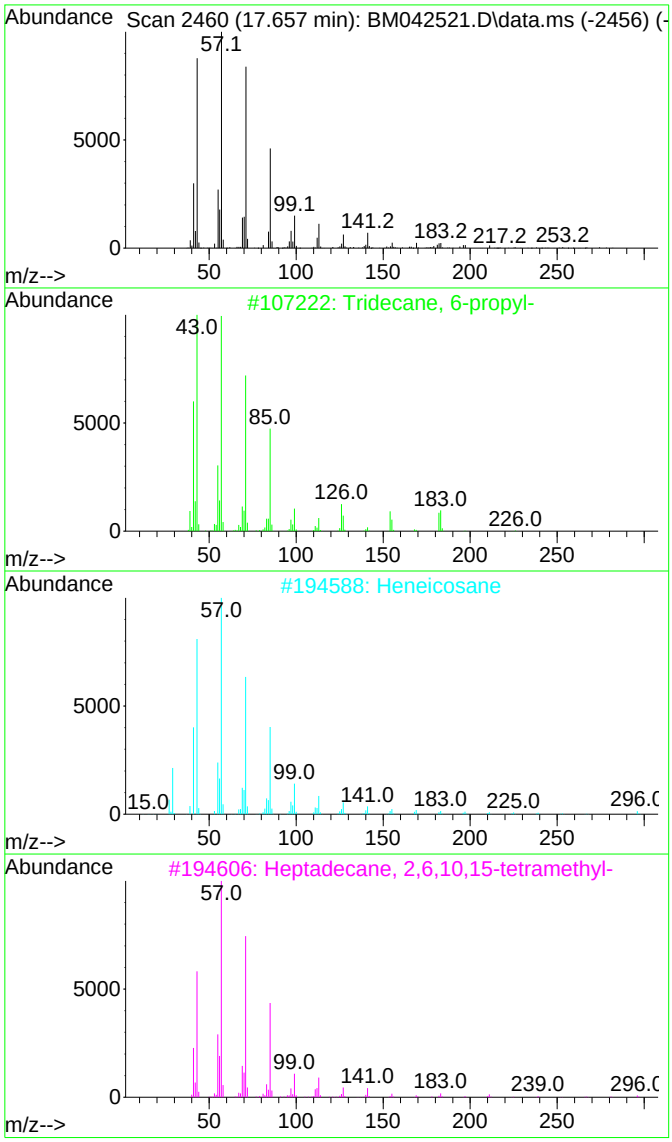
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

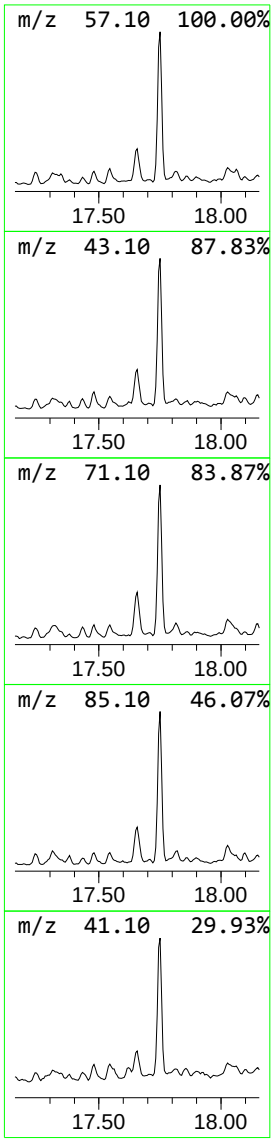
****

Peak Number 13 Tridecane, 6-propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.657	12.43 ng	649791	Phenanthrene-d10	17.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

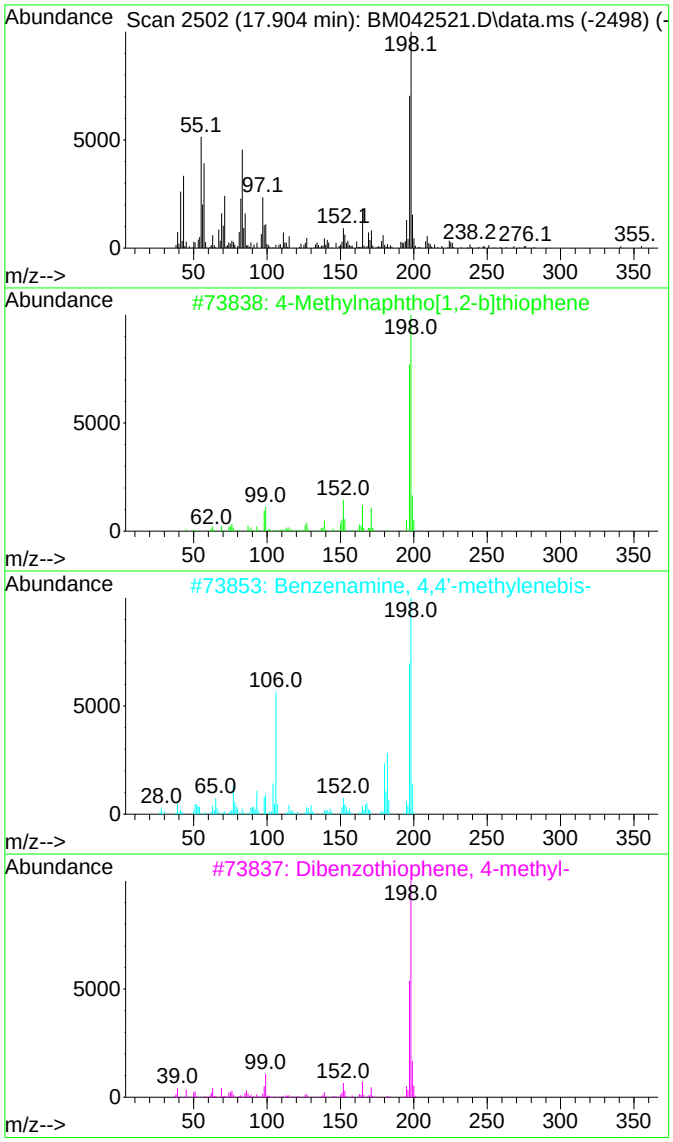
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

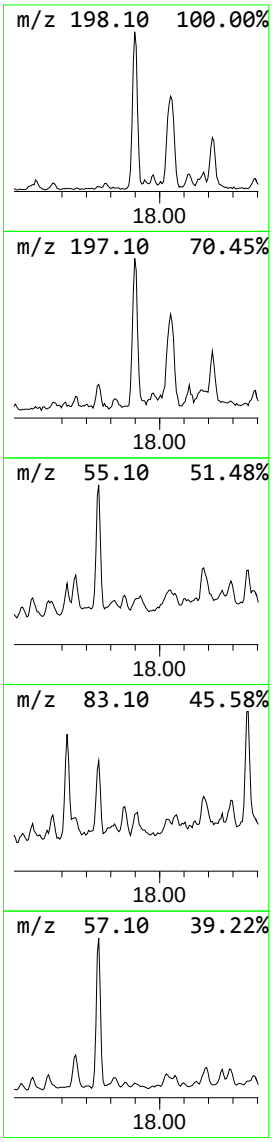
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.904	8.14 ng	425340	Phenanthrene-d10	17.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	83
2	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	64
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

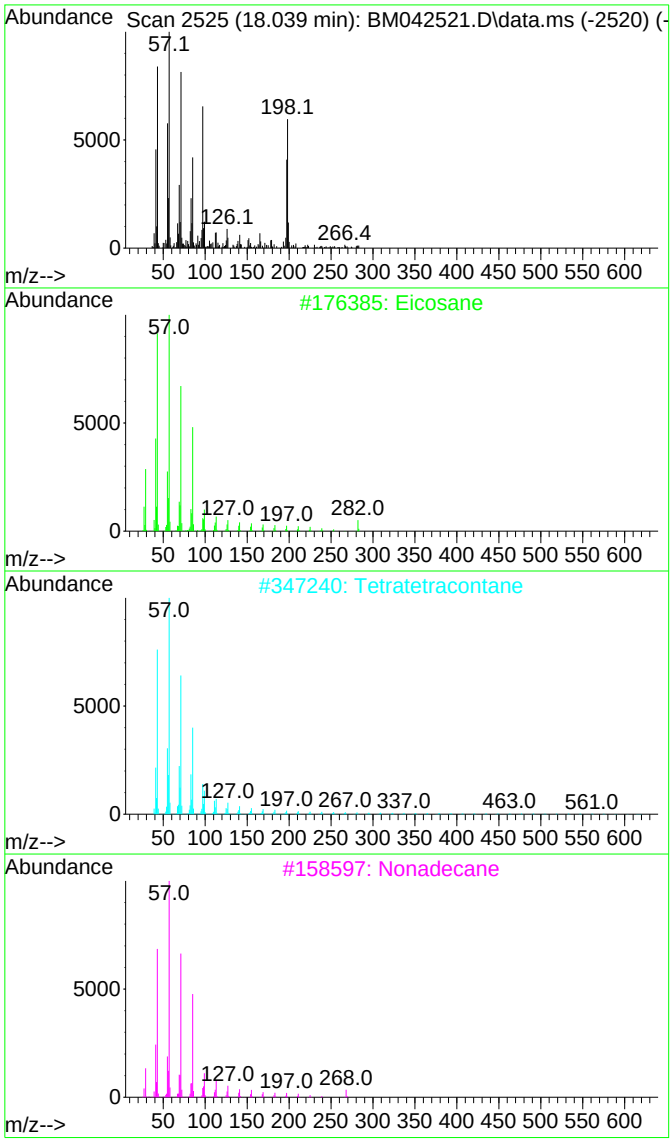
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

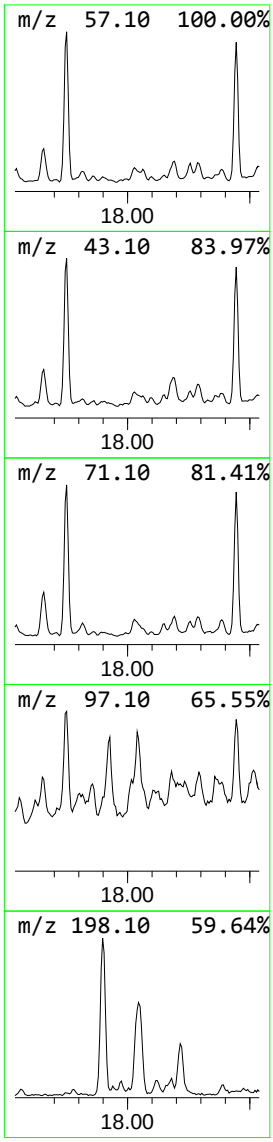
****

Peak Number 15 unknown18.039 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	9.81 ng	512804	Phenanthrene-d10	17.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	49
2	Tetratetracontane	619	C44H90	007098-22-8	49
3	Nonadecane	268	C19H40	000629-92-5	46
4	Tetradecane	198	C14H30	000629-59-4	46
5	Tritetracontane	605	C43H88	007098-21-7	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

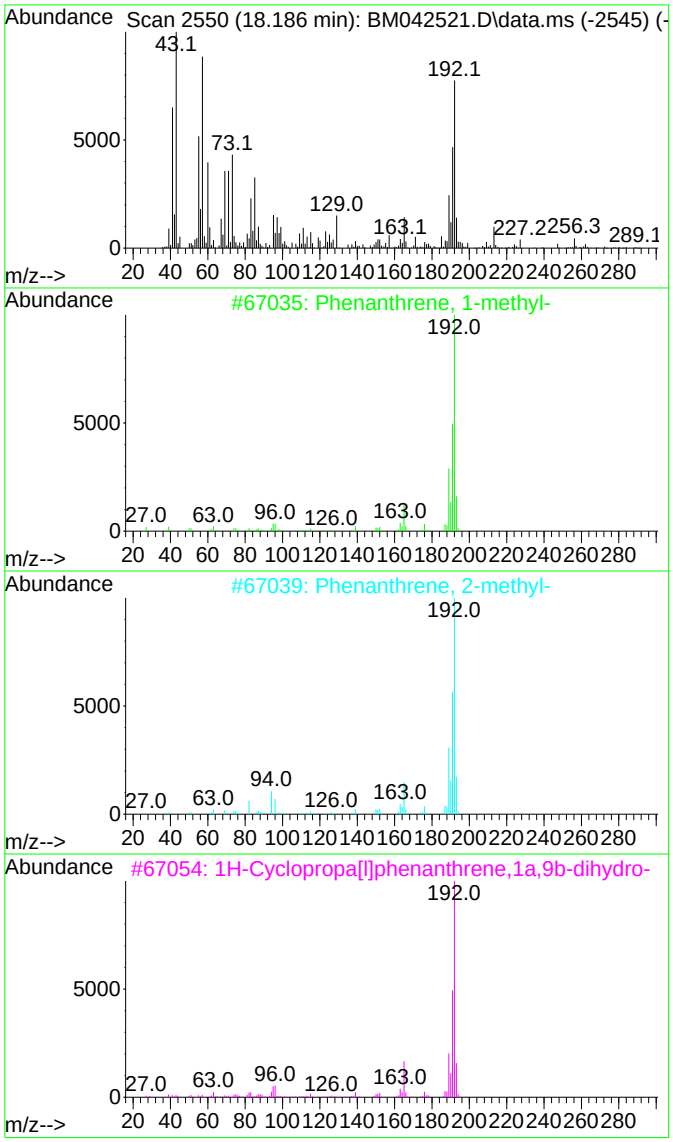
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

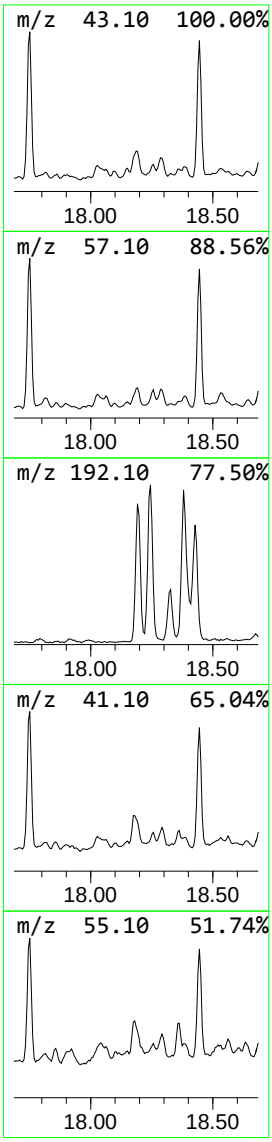
****

Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.186	17.83 ng	931734	Phenanthrene-d10	17.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

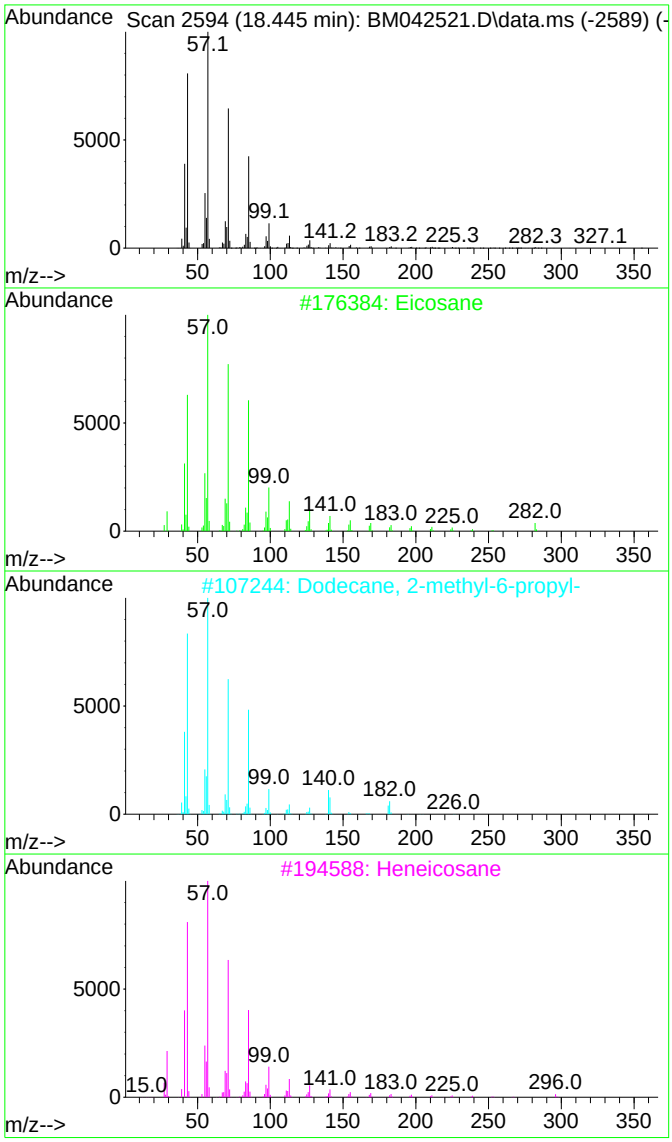
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

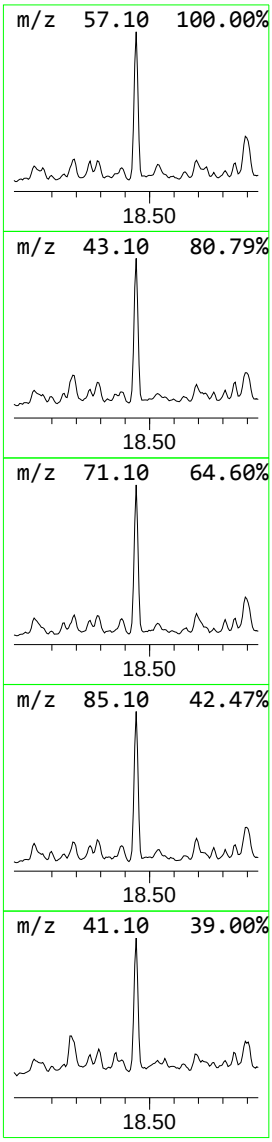
****

Peak Number 17 Eicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.445	36.86 ng	1926460	Phenanthrene-d10	17.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Nonadecane	268	C19H40	000629-92-5	91
5	Heptadecane	240	C17H36	000629-78-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

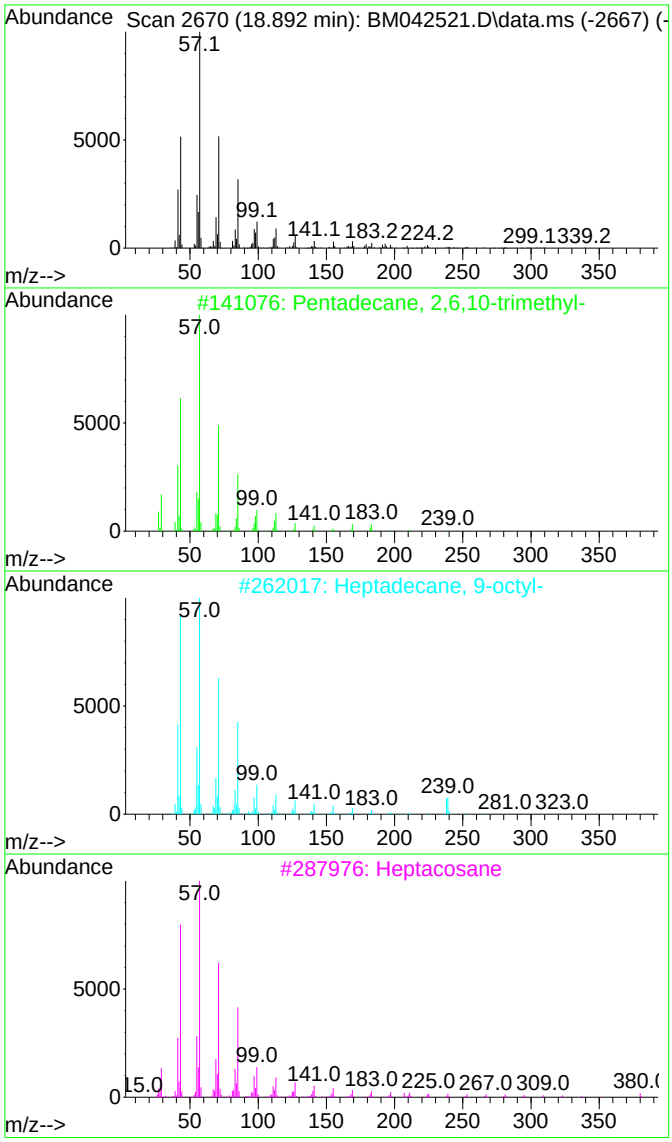
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

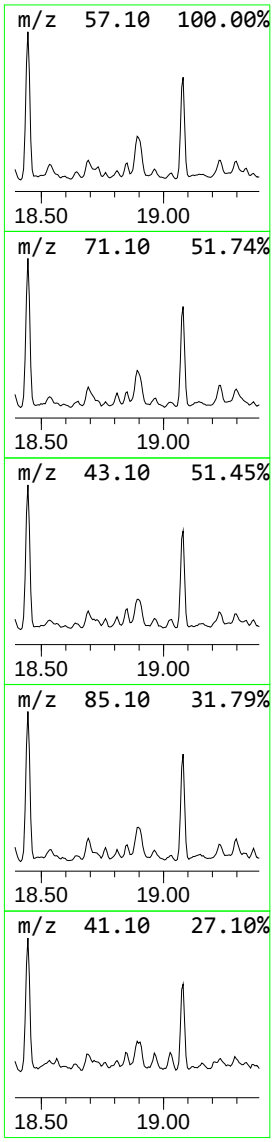
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Pentadecane, 2,6,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.892	15.36 ng	802920	Phenanthrene-d10	17.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	93
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
3	Heptacosane	380	C27H56	000593-49-7	87
4	Tridecane, 2-methyl-	198	C14H30	001560-96-9	86
5	Eicosane, 2-methyl-	296	C21H44	001560-84-5	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

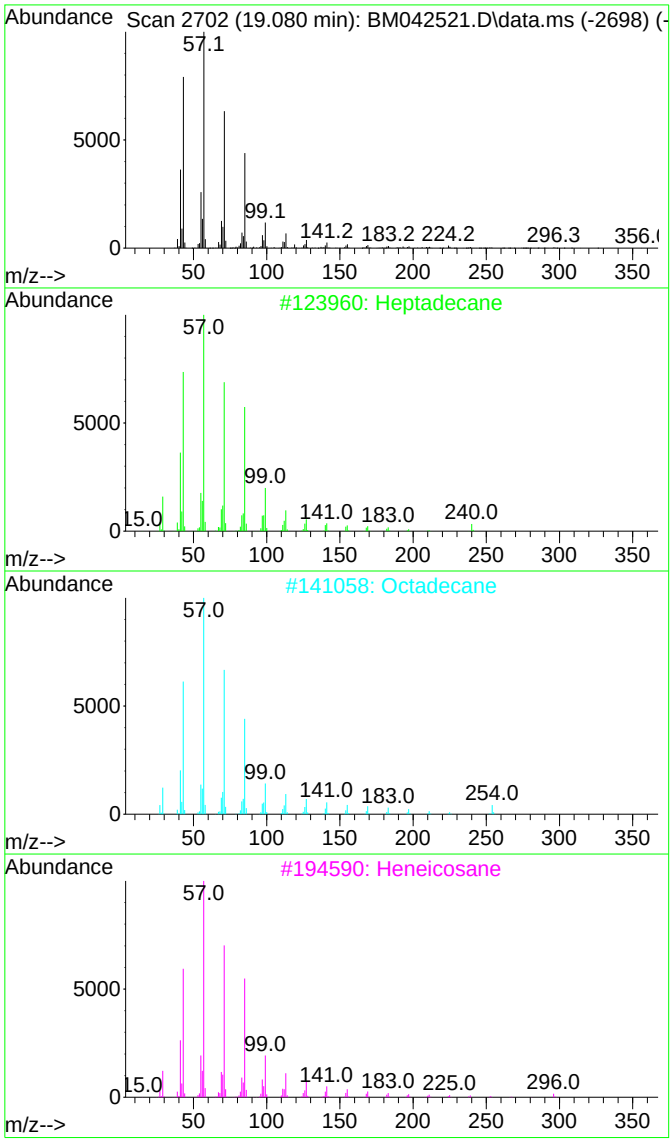
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

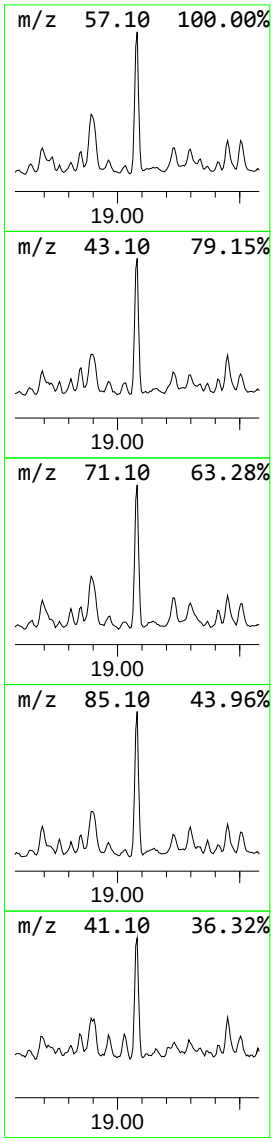
****

Peak Number 19 Heptadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.080	26.40 ng	1379510	Phenanthrene-d10	17.327

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Octadecane	254	C18H38	000593-45-3	97
3	Heneicosane	296	C21H44	000629-94-7	96
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	93
5	Hexadecane	226	C16H34	000544-76-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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

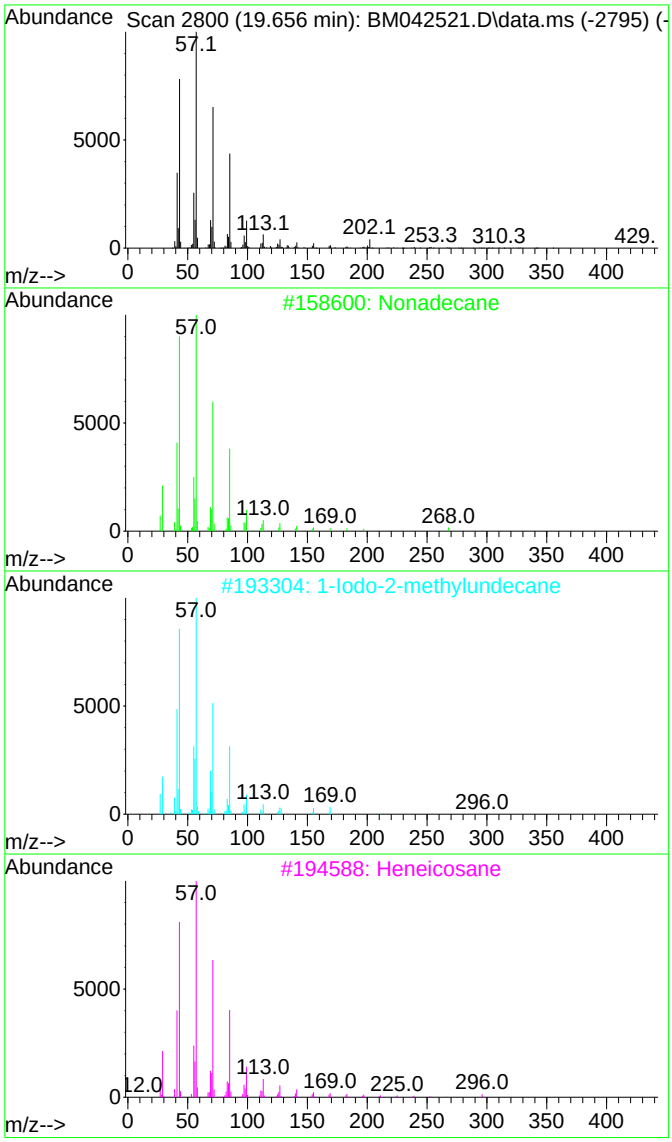
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

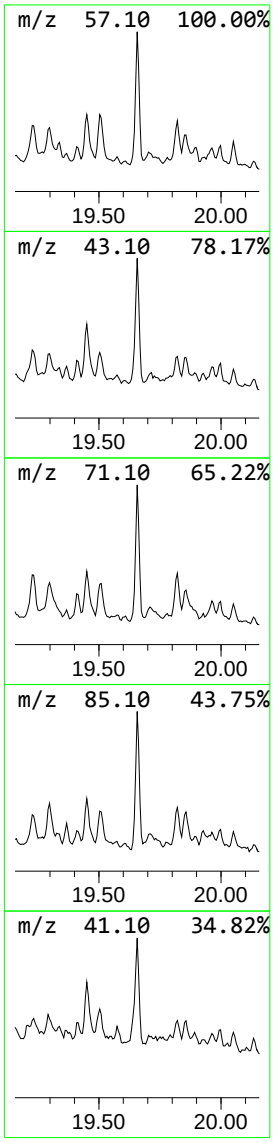
****

Peak Number 20 1-Iodo-2-methylundecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.657	13.82 ng	1066910	Chrysene-d12	21.503

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
5	Pentadecane	212	C15H32	000629-62-9	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042521.D
Acq On : 31 Oct 2023 21:23
Operator : MA/JU
Sample : 04938-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0-2(0-10)

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
Benzene, 1,2,3-...	7.540	8.0	ng	218178	1	7.922	544676	20.0
Cyclopropane, 1...	8.951	8.9	ng	241882	1	7.922	544676	20.0
Naphthalene, 1,...	13.745	11.6	ng	499990	3	14.574	864058	20.0
Naphthalene, 2,...	13.886	13.4	ng	577174	3	14.574	864058	20.0
Naphthalene, 1,...	13.939	8.8	ng	377855	3	14.574	864058	20.0
Hexadecane	14.398	10.5	ng	454534	3	14.574	864058	20.0
Tetradecane	15.351	16.0	ng	692492	3	14.574	864058	20.0
Heptacosane	15.745	19.0	ng	822429	3	14.574	864058	20.0
Nonadecane	16.221	50.0	ng	2610770	4	17.327	1045230	20.0
Decane, 3,8-dim...	16.610	10.1	ng	530141	4	17.327	1045230	20.0
Octadecane	17.010	32.4	ng	1691840	4	17.327	1045230	20.0
Hexadecane, 2,6...	17.051	31.1	ng	1628200	4	17.327	1045230	20.0
Tridecane, 6-pr...	17.657	12.4	ng	649791	4	17.327	1045230	20.0
4-Methylnaphtho...	17.904	8.1	ng	425340	4	17.327	1045230	20.0
unknown18.039	18.039	9.8	ng	512804	4	17.327	1045230	20.0
Phenanthrene, 1...	18.186	17.8	ng	931734	4	17.327	1045230	20.0
Eicosane	18.445	36.9	ng	1926460	4	17.327	1045230	20.0
Pentadecane, 2,...	18.892	15.4	ng	802920	4	17.327	1045230	20.0
Heptadecane	19.080	26.4	ng	1379510	4	17.327	1045230	20.0
1-Iodo-2-methyl...	19.657	13.8	ng	1066910	5	21.503	1543630	20.0