LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

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-BM020123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM038770.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.999	298	308	317	rBV	452345	622412	13.47%	1.044%
2	5.469	382	388	402	rBV	1413668	1969289	42.61%	3.304%
3	7.099	657	665	677	rBV	1332804	2061977	44.62%	3.460%
4	7.910	797	803	810	rBV	335204	520643	11.27%	0.874%
5	9.093	994	1004	1015	rBV	844166	1351491	29.24%	2.268%
6	10.728	1275	1282	1287	rBV	427405	702765	15.21%	1.179%
7	10.775	1287	1290	1296	rVB	78141	113837	2.46%	0.191%
8	12.386	1556	1564	1571	rVB	84560	128510	2.78%	0.216%
9	12.604	1592	1601	1610	rVB	84645	131138	2.84%	0.220%
10	13.186	1693	1700	1708	rVB	2784265	3739803	80.92%	6.275%
11	13.592	1764	1769	1778	rVB	21356	49673	1.07%	0.083%
12	13.722	1786	1791	1792	rBV2	47351	60638	1.31%	0.102%
13	13.880	1812	1818	1823	rBV	111491	189429	4.10%	0.318%
14	13.933	1823	1827	1836	rVB	69959	102969	2.23%	0.173%
15	14.016	1836	1841	1846	rBV2	34772	54479	1.18%	0.091%
16	14.116	1853	1858	1861	rBV	58754	78114	1.69%	0.131%
17	14.286	1881	1887	1898	rBV	185938	290687	6.29%	0.488%
18	14.563	1922	1934	1940	rBV	652374	987813	21.37%	1.657%
19	14.622	1940	1944	1951	rVB	209347	316516	6.85%	0.531%
20	14.769	1963	1969	1977	rBV4	32370	75680	1.64%	0.127%
21	14.869	1977	1986	1990	rBV2	29963	68741	1.49%	0.115%
22	14.957	1993	2001	2009	rVV	193193	301766	6.53%	0.506%
23	15.033	2009	2014	2018	rVV	59123	82439	1.78%	0.138%
24	15.175	2032	2038	2042	rBV3	57027	113890	2.46%	0.191%
25	15.222	2043	2046	2051	rVB	44105	60387	1.31%	0.101%
26	15.345	2059	2067	2070	rBV2	44042	99274	2.15%	0.167%
27	15.380	2070	2073	2078	rVV3	36752	59403	1.29%	0.100%
28	15.610	2105	2112	2123	rVB	333782	541068	11.71%	0.908%
29	15.727	2129	2132	2135	rVV2	48124	64756	1.40%	0.109%
30	15.769	2135	2139	2143	rVB2	49270	66351	1.44%	0.111%
31	15.816	2143	2147	2151	rBV2	31878	54094	1.17%	0.091%
32	15.898	2157	2161	2163	rBV	75813	109223	2.36%	0.183%
33	16.051	2181	2187	2194	rVB	2059759	2812034	60.85%	4.718%
34	16.274	2217	2225	2235	rVB8	64836	180811	3.91%	0.303%
35	16.610	2274	2282	2286	rBV2	100199	195353	4.23%	0.328%
36	16.657	2286	2290	2295	rVB2	69974	96658	2.09%	0.162%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

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-BM020123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.757	2304	2307	2311	rVB	64200	81493	1.76%	0.137%
38	16.833	2312	2320	2323	rBV4	64742	141467	3.06%	0.237%
39	16.874	2324	2327	2331	rVB3	50201	60481	1.31%	0.101%
40	16.963	2338	2342	2348	rVB2	64656	93297	2.02%	0.157%
41	17.039	2350	2355	2360	rBV3	59734	113457	2.45%	0.190%
42	17.121	2365	2369	2377	rVB	165606	256330	5.55%	0.430%
43	17.304	2395	2400	2404	rBV	623379	947532	20.50%	1.590%
44	17.351	2404	2408	2414	rVV	3036368	3956590	85.61%	6.639%
45	17.439	2418	2423	2428	rVV	721810	987061	21.36%	1.656%
46	17.498	2428	2433	2438	rVB2	45102	102771	2.22%	0.172%
47	17.574	2443	2446	2451	rBV6	22820	48599	1.05%	0.082%
48	17.716	2465	2470	2478	rBV	100550	169391	3.67%	0.284%
49	17.821	2484	2488	2493	rBV	84111	111511	2.41%	0.187%
50	17.886	2495	2499	2507	rVB3	109094	178015	3.85%	0.299%
51	18.027	2519	2523	2528	rVB	45592	71684	1.55%	0.120%
52	18.186	2544	2550	2554	rBV2	553011	956554	20.70%	1.605%
53	18.227	2554	2557	2563	rVB	568626	768092	16.62%	1.289%
54	18.310	2567	2571	2576	rVB	217066	286433	6.20%	0.481%
55	18.380	2576	2583	2586	rBV2	591302	1103316	23.87%	1.851%
56	18.410	2586	2588	2595	rVB	327181	397864	8.61%	0.668%
57	18.486	2597	2601	2605	rVV6	32464	49427	1.07%	0.083%
58	18.574	2613	2616	2620	rVB3	41579	52214	1.13%	0.088%
59	18.680	2629	2634	2638	rBV	274315	337670	7.31%	0.567%
60	18.733	2638	2643	2649	rVB	153059	217342	4.70%	0.365%
61	18.921	2672	2675	2680	rVV	99524	149167	3.23%	0.250%
62	18.974	2680	2684	2687	rVV	115966	150137	3.25%	0.252%
63	19.010	2687	2690	2695	rVB2	86538	116193	2.51%	0.195%
64	19.098	2700	2705	2709	rBV	270470	441351	9.55%	0.741%
65	19.186	2718	2720	2724	rVB	96164	110364	2.39%	0.185%
66	19.245	2724	2730	2735	rBV3	164306	367672	7.96%	0.617%
67	19.368	2745	2751	2756	rBV	3826759	4621539	100.00%	7.754%
68	19.421	2757	2760	2763	rVB	66019	70127	1.52%	0.118%
69	19.462	2763	2767	2771	rBV2	175610	230376	4.98%	0.387%
70	19.510	2772	2775	2779	rVB	91081	105073	2.27%	0.176%
71	19.604	2787	2791	2794	rBV	105696	143381	3.10%	0.241%
72	19.692	2801	2806	2808	rBV	419174	628993	13.61%	1.055%
73	19.727	2808	2812	2819	rVV	3293491	4318061	93.43%	7.245%
74	19.792	2819	2823	2829	rVB2	185290	270152	5.85%	0.453%
75	19.927	2839	2846	2850	rBV	3236788	3808890	82.42%	6.391%
76	20.045	2861	2866	2867	rBV3	191843	280098	6.06%	0.470%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

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-BM020123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.180	2884	2889	2890	rBV3	171654	225650	4.88%	0.379%
78	20.215	2892	2895	2900	rVB	421435	568852	12.31%	0.954%
79	20.315	2909	2912	2916	rBV	274971	311076	6.73%	0.522%
80	20.374	2916	2922	2926	rBV2	289542	459804	9.95%	0.771%
81	20.515	2942	2946	2950	rBV	210040	277220	6.00%	0.465%
82	20.562	2950	2954	2957	rVB	194365	243352	5.27%	0.408%
83	20.968	3019	3023	3028	rVB	202455	286941	6.21%	0.481%
84	21.127	3047	3050	3054	rBV2	202477	242009	5.24%	0.406%
85	21.168	3054	3057	3061	rVV2	348923	447879	9.69%	0.751%
86	21.204	3061	3063	3068	rVB2	177194	238185	5.15%	0.400%
87	21.468	3103	3108	3114	rBV2	1754577	3124429	67.61%	5.242%
88	21.521	3114	3117	3126	rVB	1505781	1790267	38.74%	3.004%
89	21.645	3134	3138	3143	rBV	194164	287209	6.21%	0.482%
90	23.150	3388	3394	3399	rBV	930767	2141017	46.33%	3.592%
91	23.668	3477	3482	3489	rVB	558690	997009	21.57%	1.673%
92	23.768	3494	3499	3510	rVB	944734	1738831	37.62%	2.918%
93	23.874	3514	3517	3522	rVB	298591	465244	10.07%	0.781%

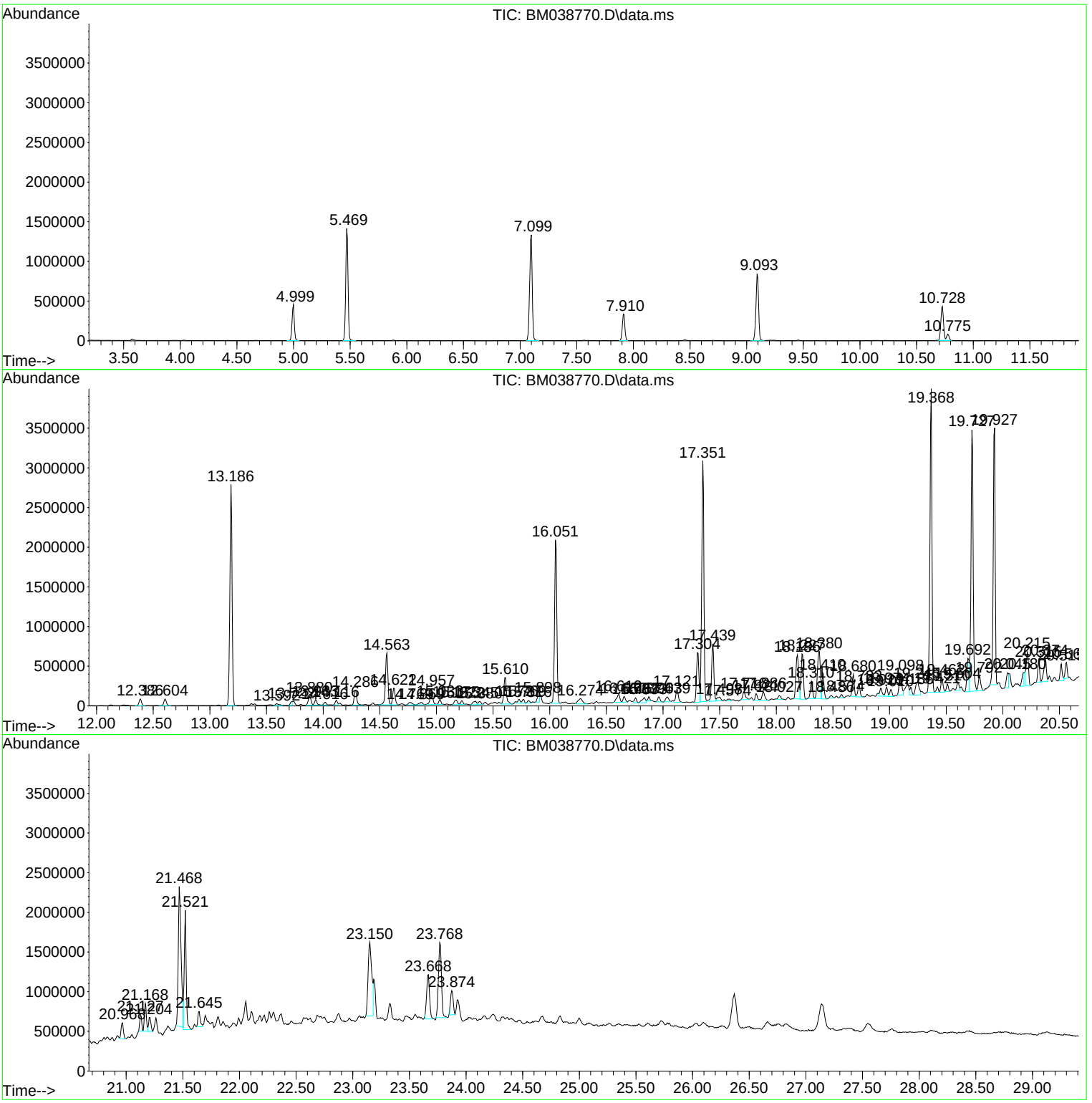
Sum of corrected areas: 59599250

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.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\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

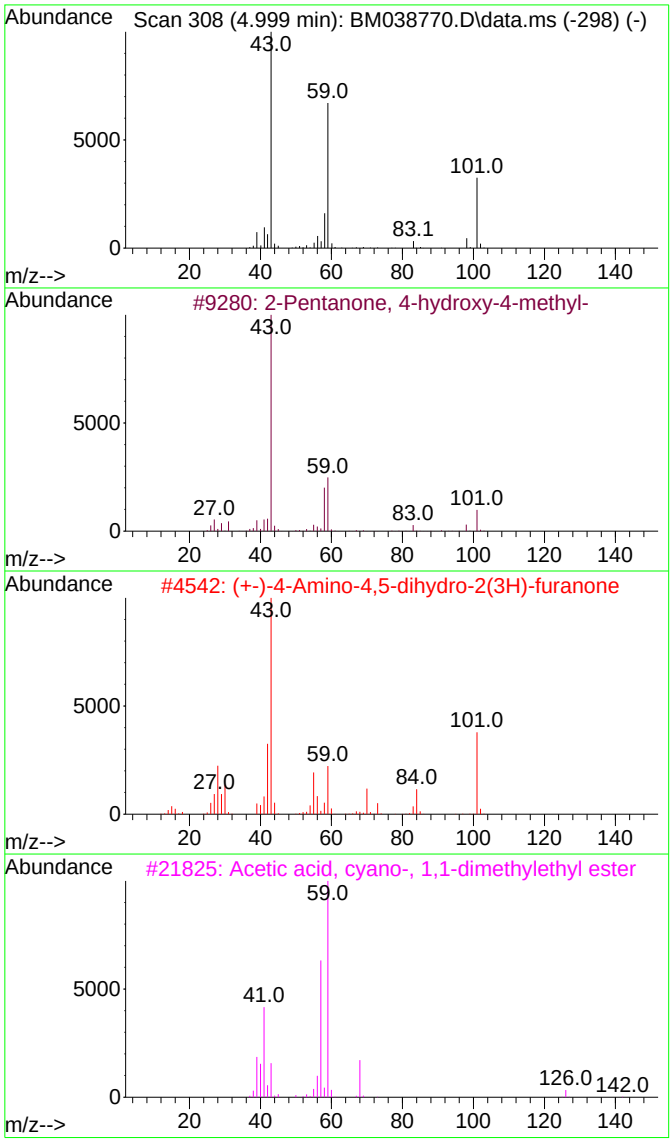
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

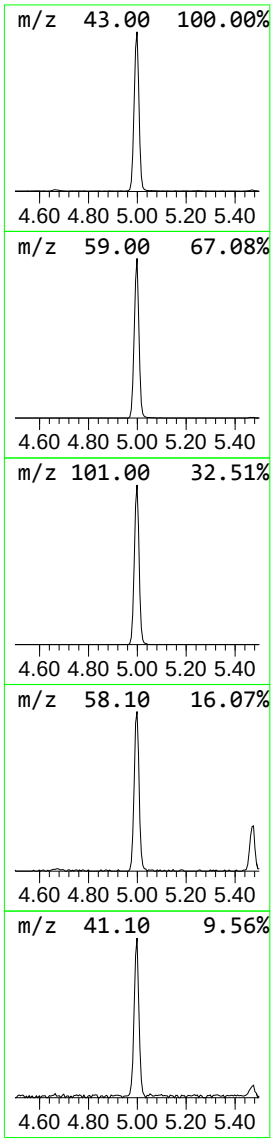
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.999	23.91 ng	622412	1,4-Dichlorobenzene-d4	7.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	43
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	17
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

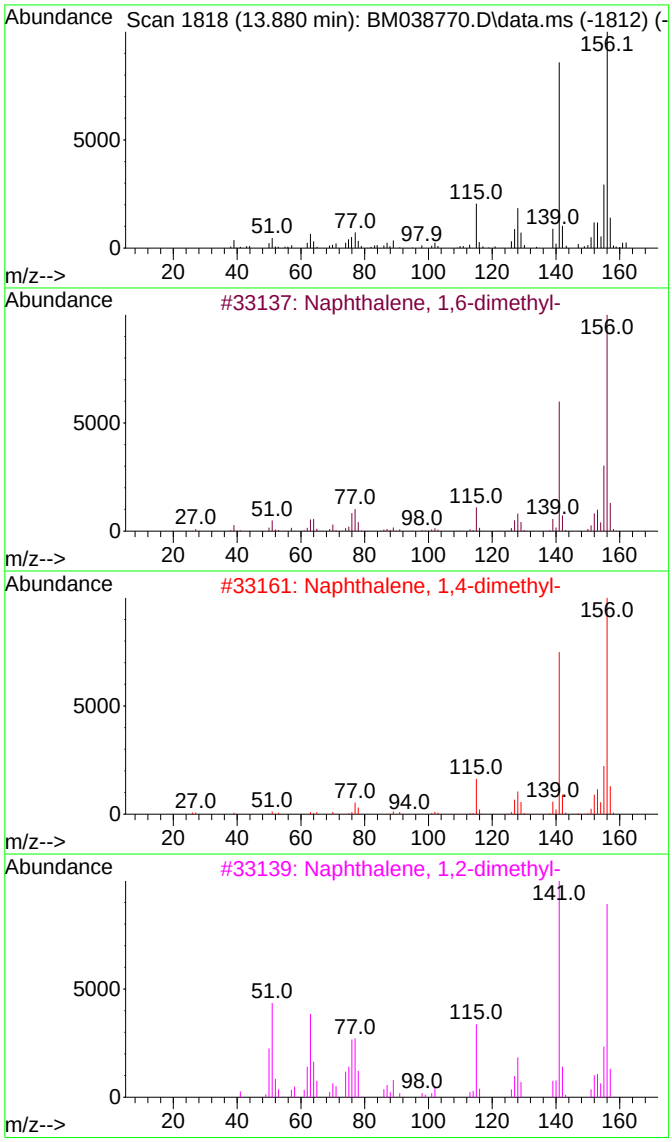
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

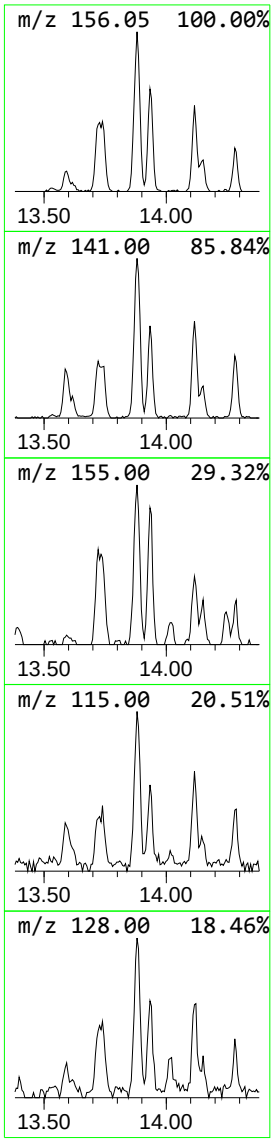
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.881	3.84 ng	189429	Acenaphthene-d10	14.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

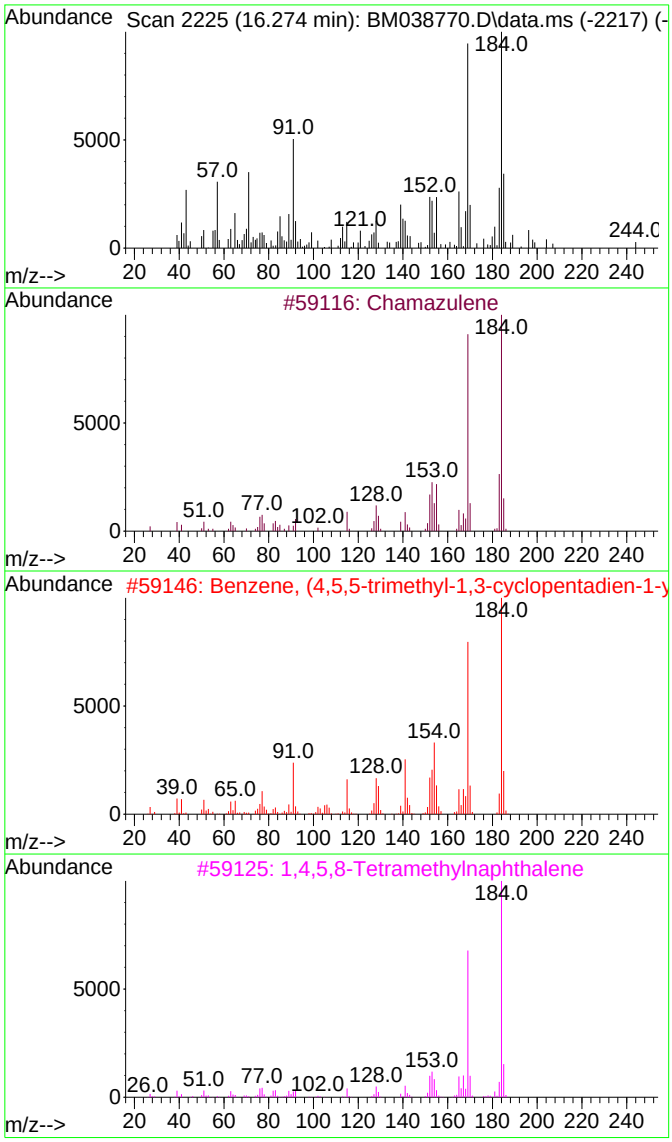
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

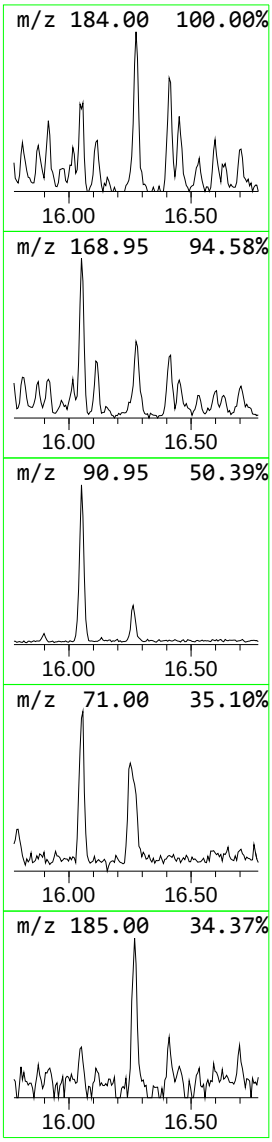
****

Peak Number 3 Chamazulene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.274	3.82 ng	180811	Phenanthrene-d10	17.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	87
2	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	72
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	68
4	1,6-Dimethyl-4-ethylnaphthalene ...	184	C14H16	1000383-71-7	50
5	3-Biphenylmethanol	184	C13H12O	069605-90-9	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

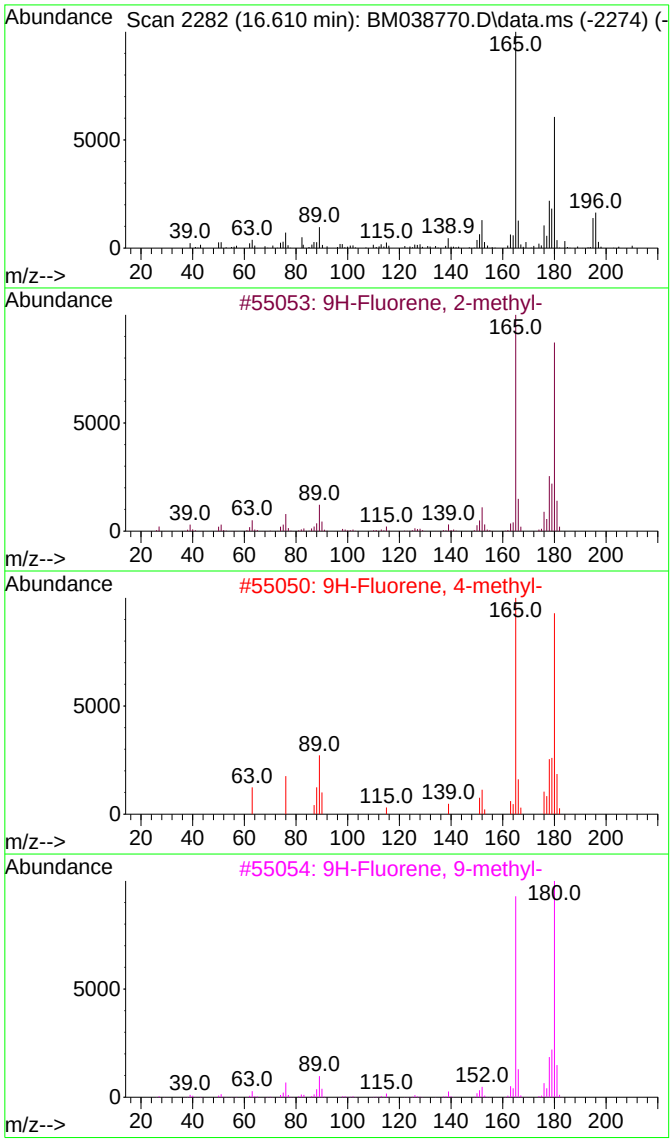
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

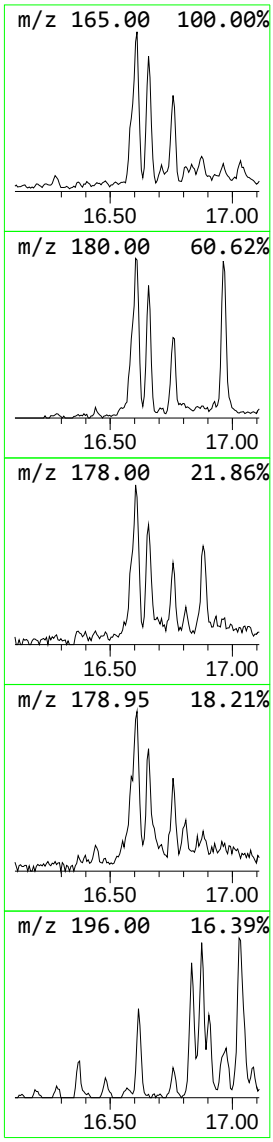
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.610	4.12 ng	195353	Phenanthrene-d10	17.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
2	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	76
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

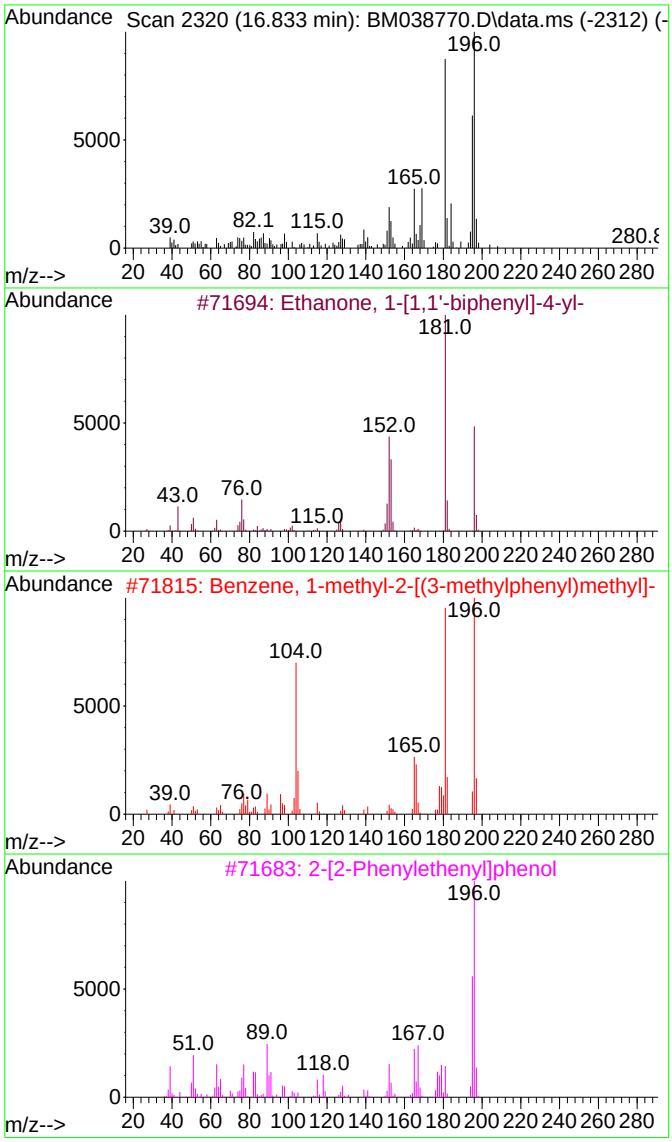
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

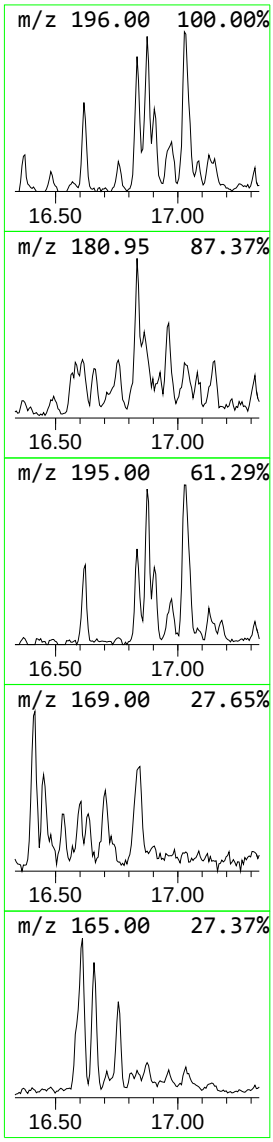
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Ethanone, 1-[1,1'-biphenyl]... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.833	2.99 ng	141467	Phenanthrene-d10	17.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-[1,1'-biphenyl]-4-yl-	196	C14H12O	000092-91-1	60
2	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	58
3	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	55
4	4,5-Dimethoxy-2-hydroxyacetophenone	196	C10H12O4	020628-06-2	53
5	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

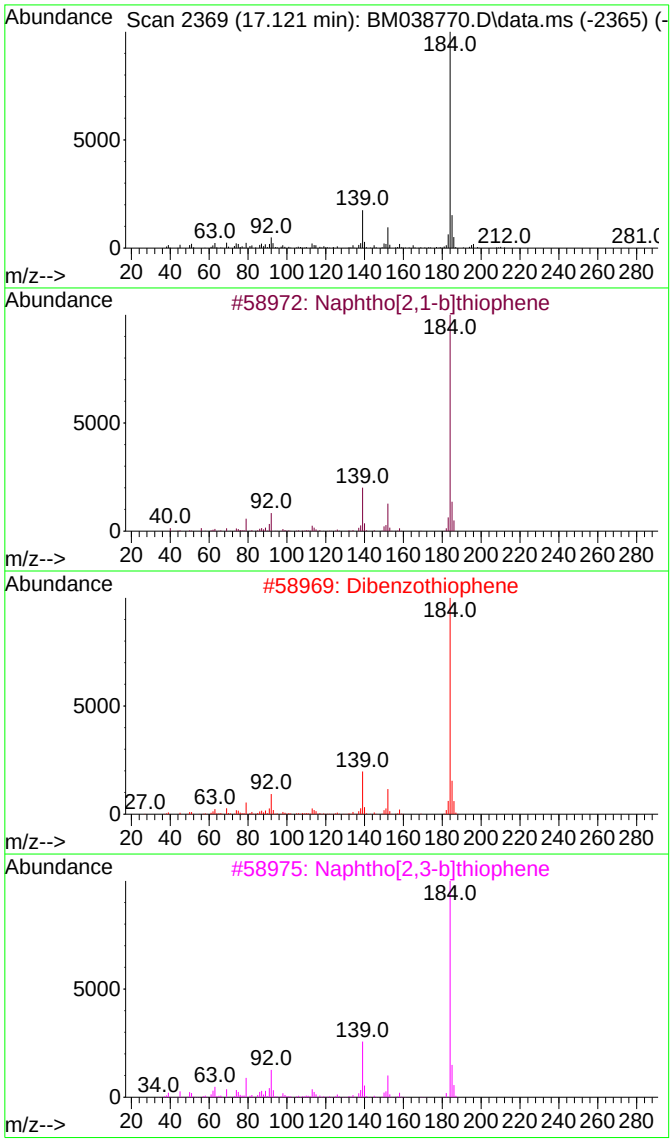
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

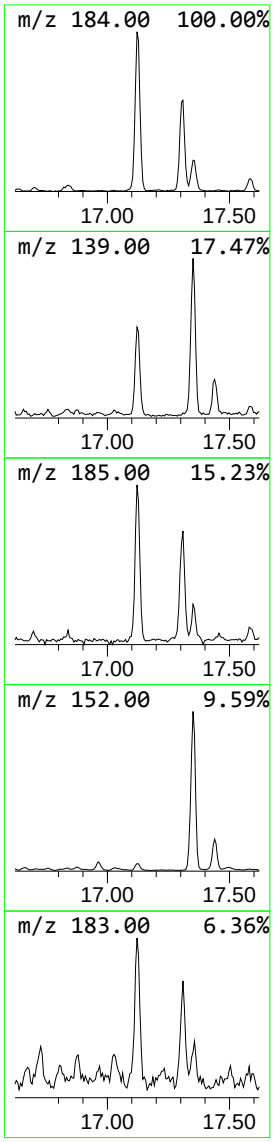
****

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.121	5.41 ng	256330	Phenanthrene-d10	17.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

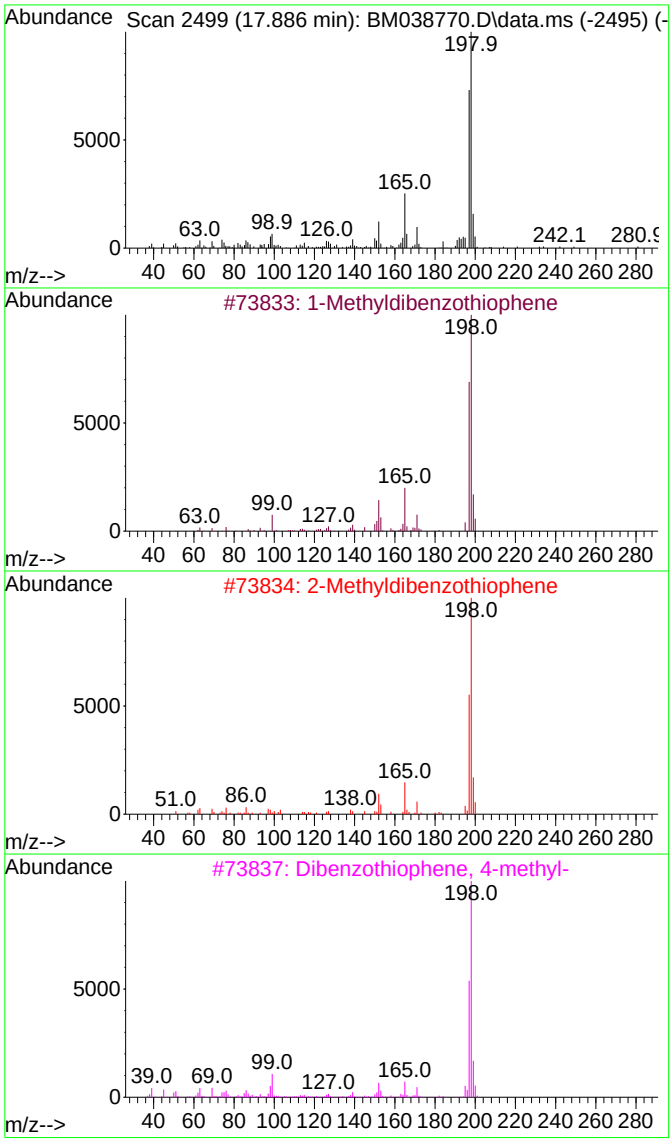
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

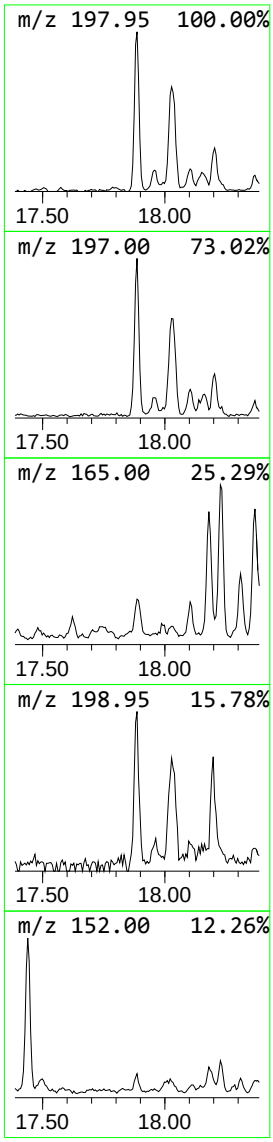
****

Peak Number 7 1-Methyldibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.886	3.76 ng	178015	Phenanthrene-d10	17.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

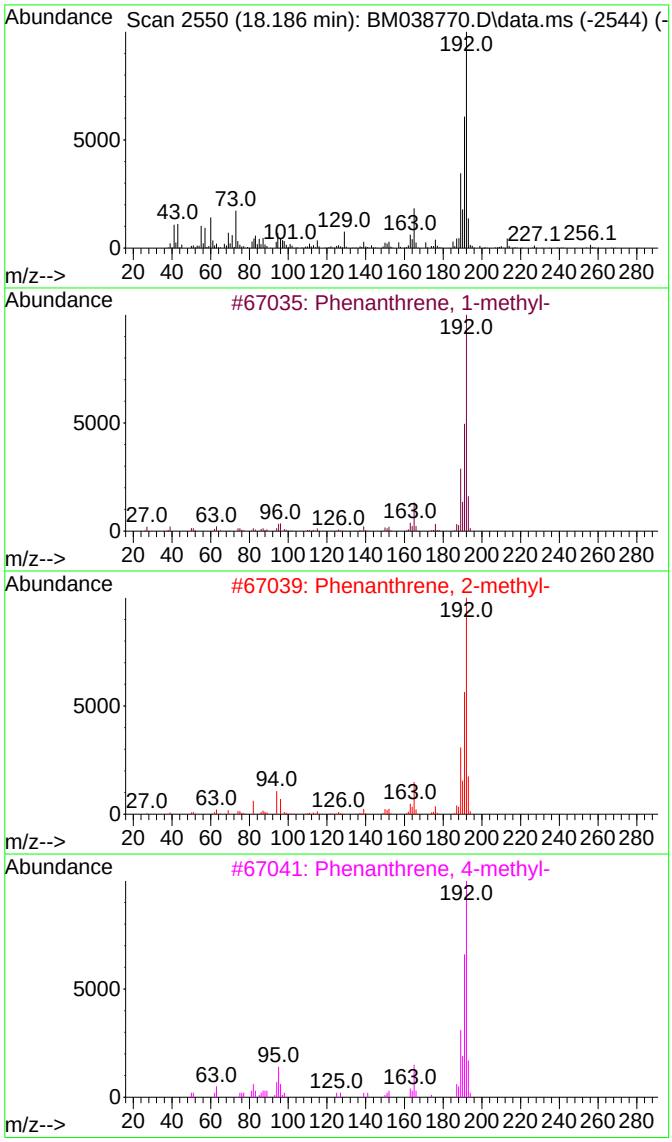
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

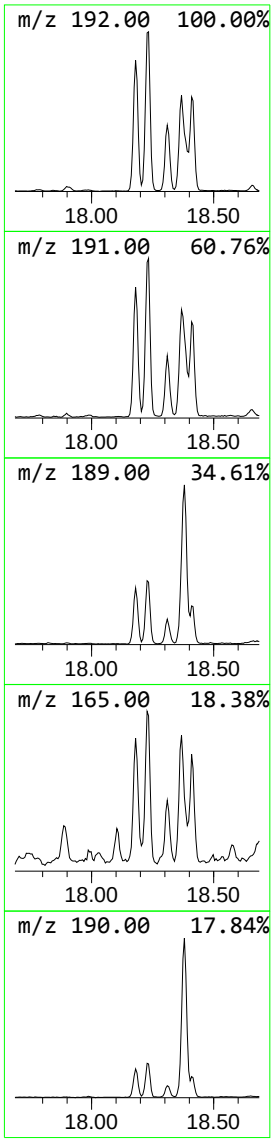
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.186	20.19 ng	956554	Phenanthrene-d10	17.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

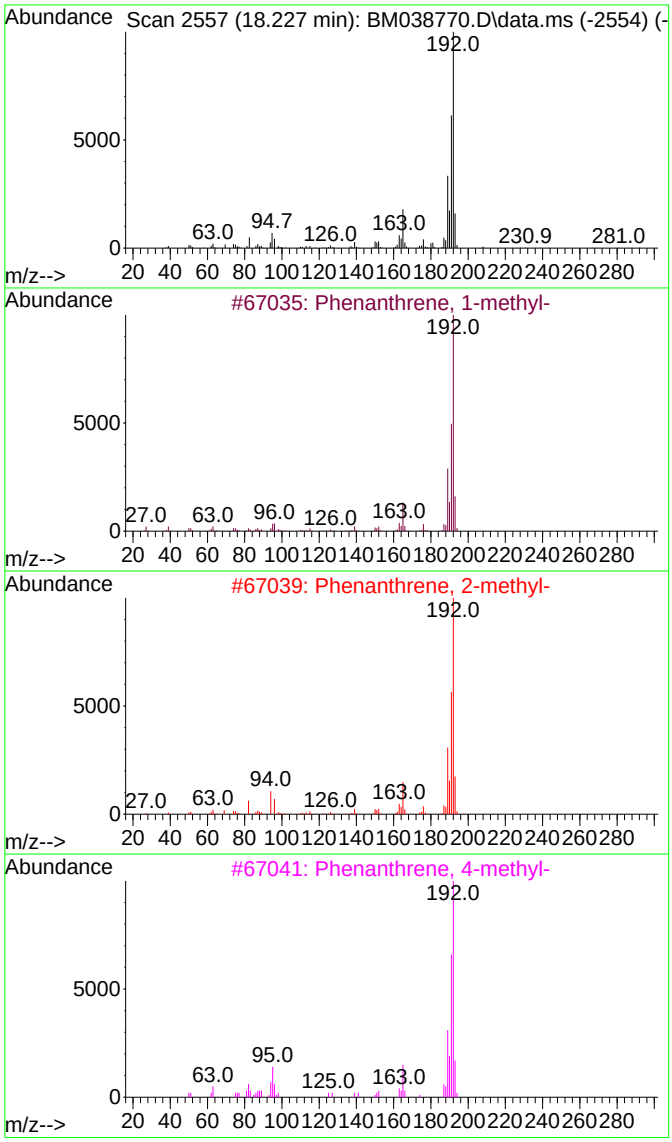
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

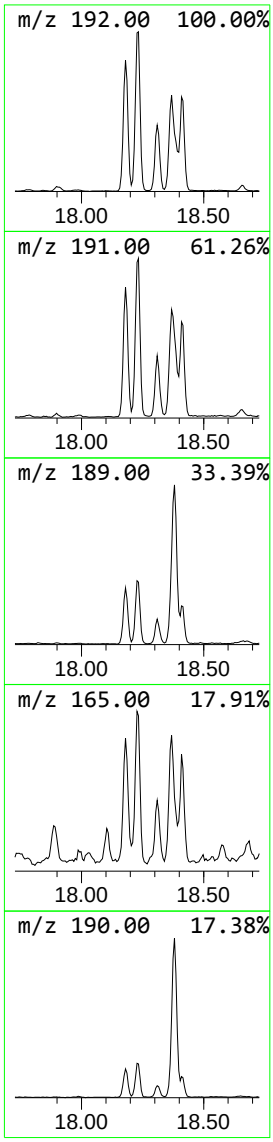
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.227	16.21 ng	768092	Phenanthrene-d10	17.304

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	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

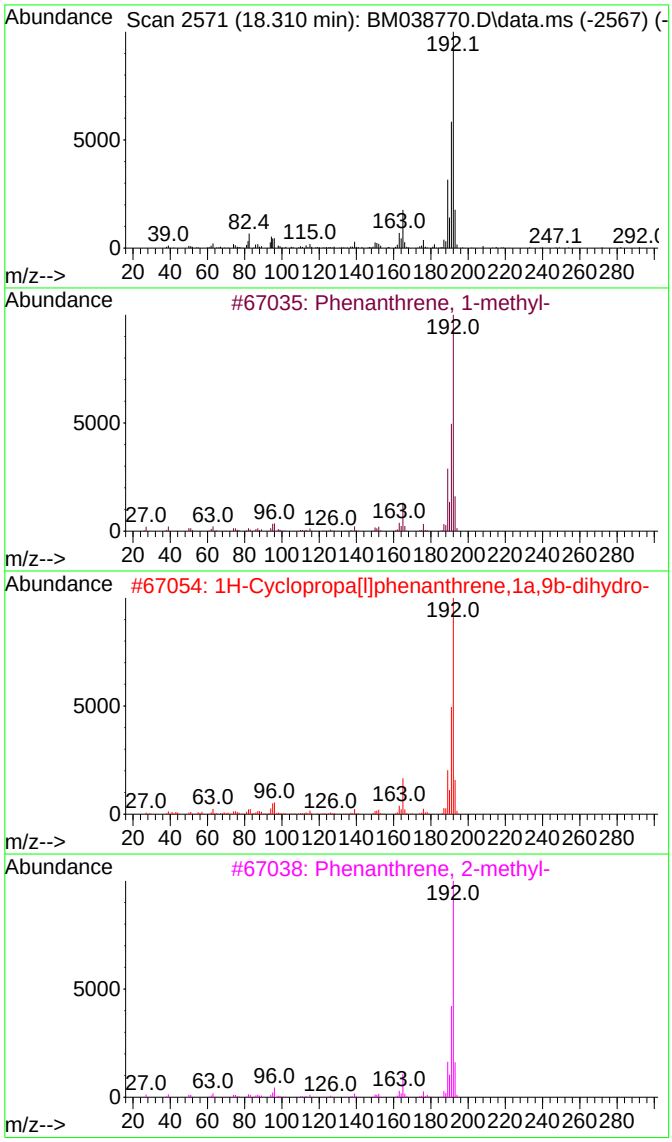
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

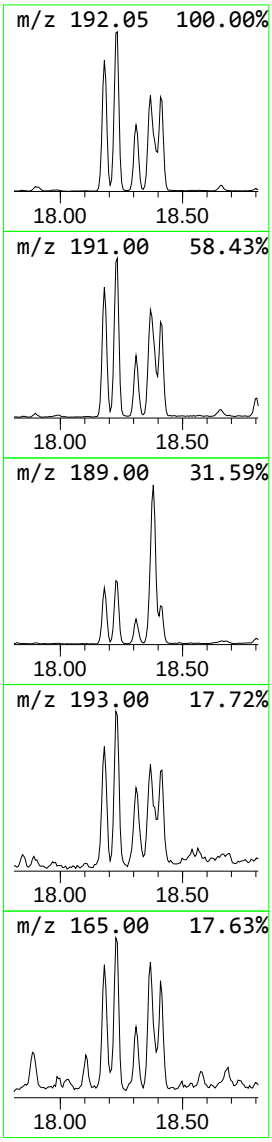
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.310	6.05 ng	286433	Phenanthrene-d10	17.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

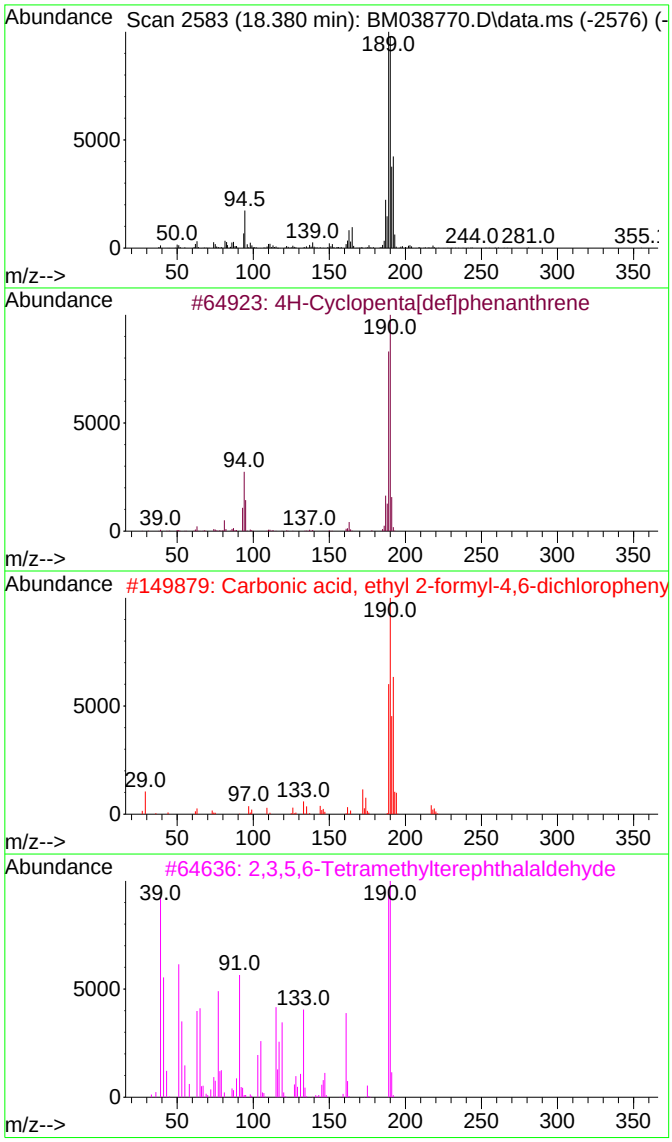
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

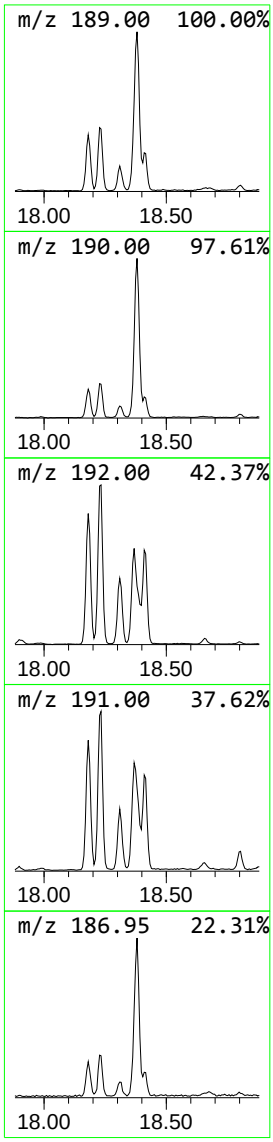
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.380	23.29 ng	1103320	Phenanthrene-d10	17.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

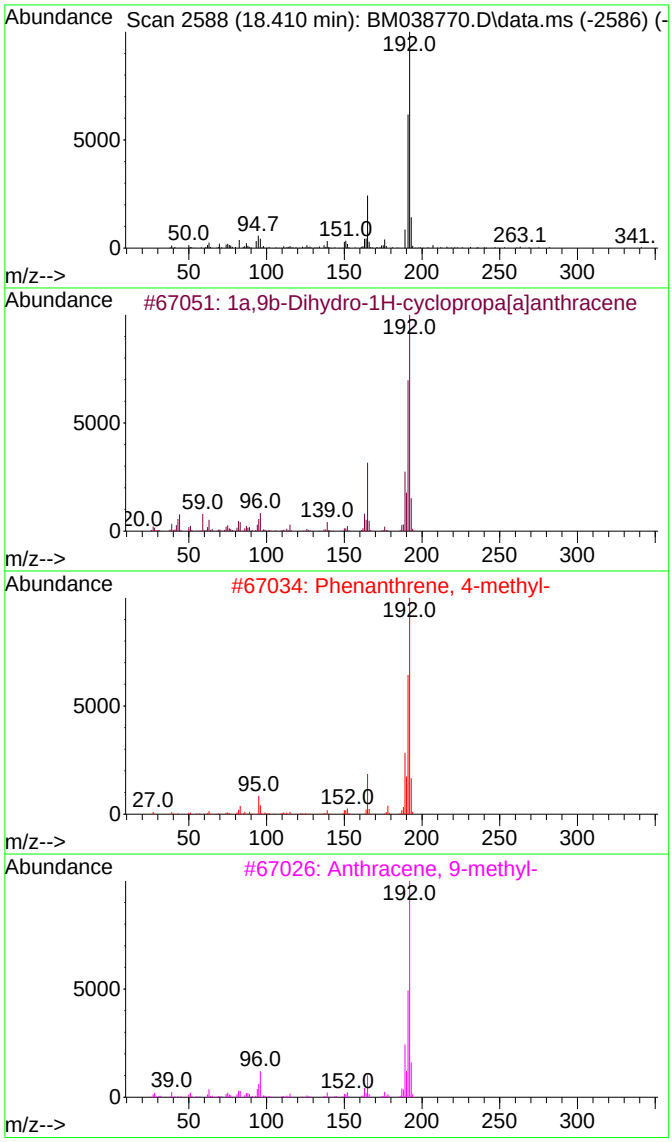
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

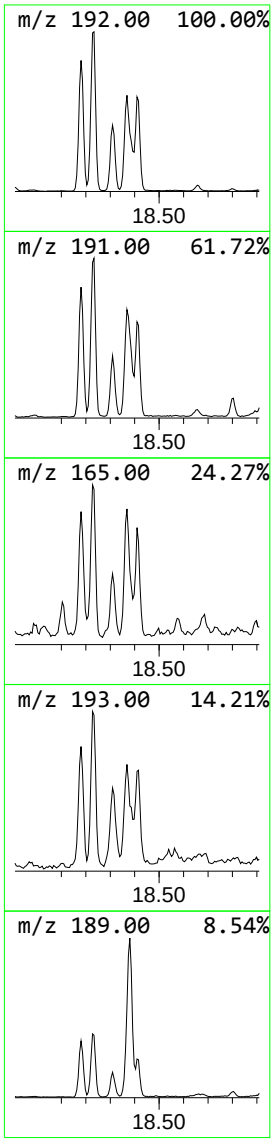
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1a,9b-Dihydro-1H-cyclopropa... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.410	8.40 ng	397864	Phenanthrene-d10	17.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

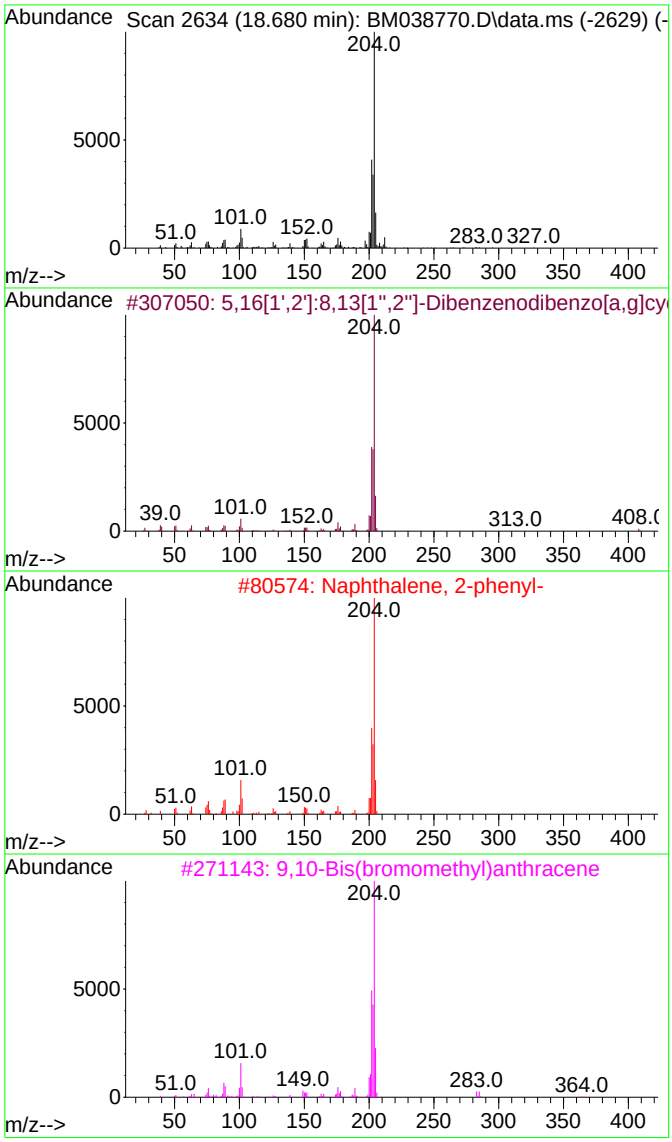
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

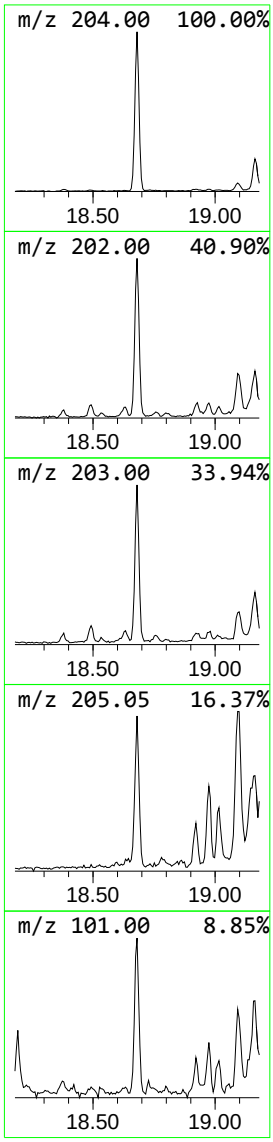
****

Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.680	7.13 ng	337670	Phenanthrene-d10	17.304

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	83
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

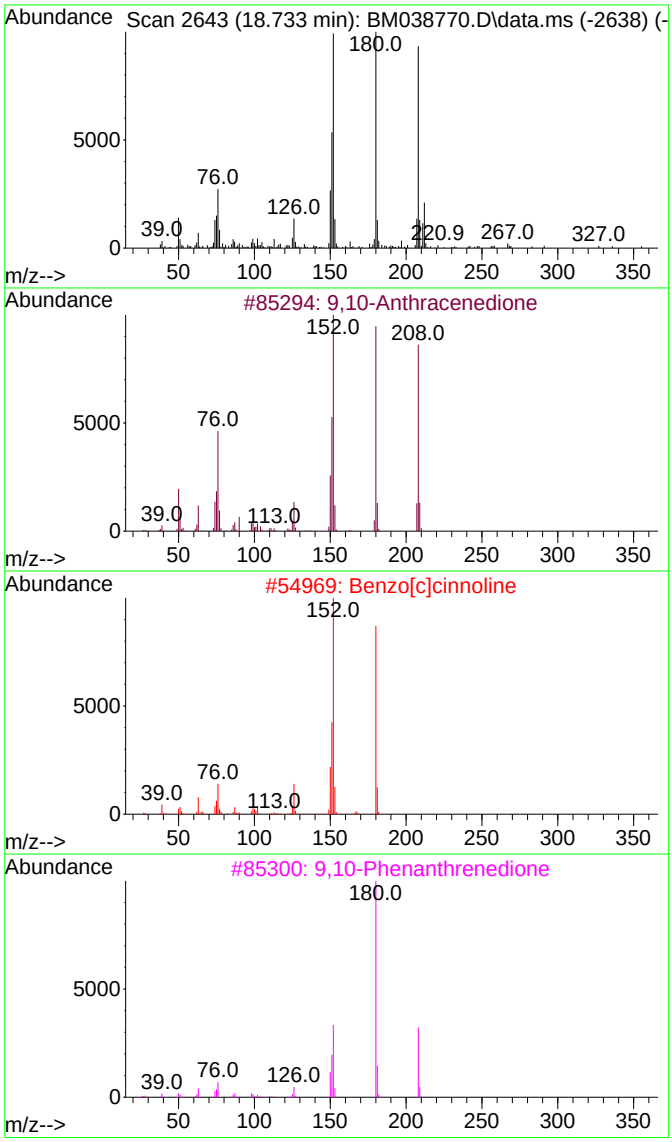
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

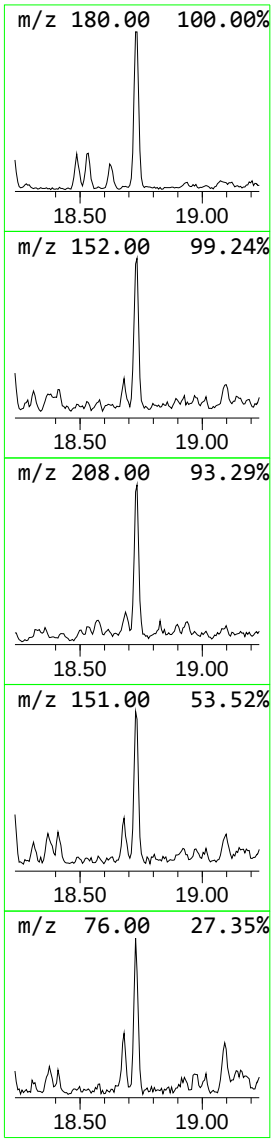
****

Peak Number 14 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.733	4.59 ng	217342	Phenanthrene-d10	17.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	92
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

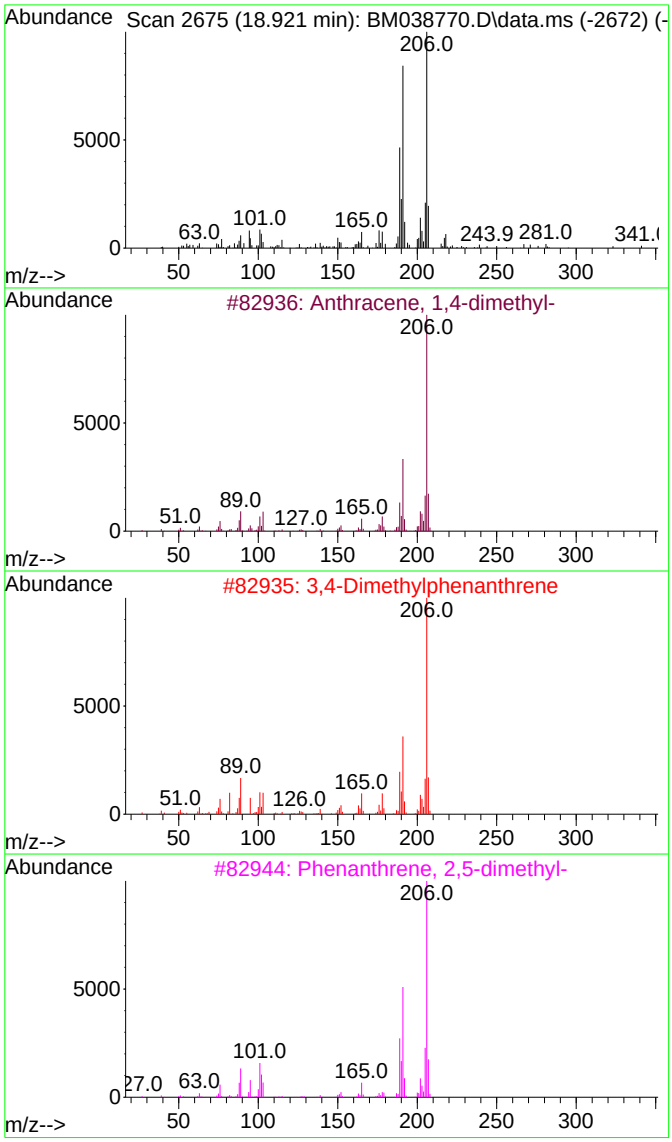
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

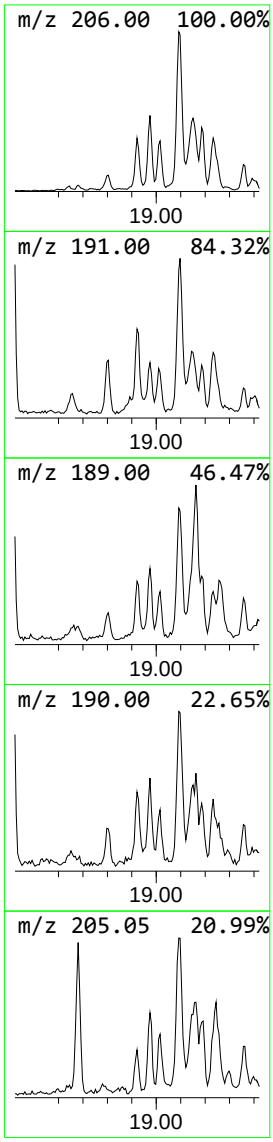
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Anthracene, 1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.921	3.15 ng	149167	Phenanthrene-d10	17.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	83
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

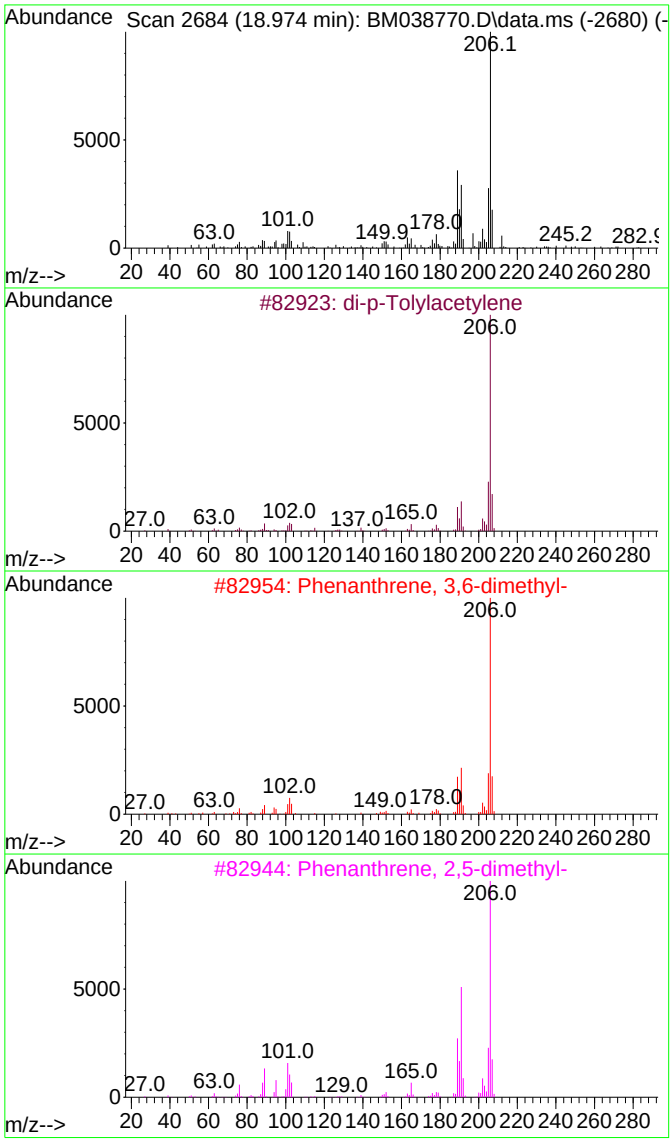
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

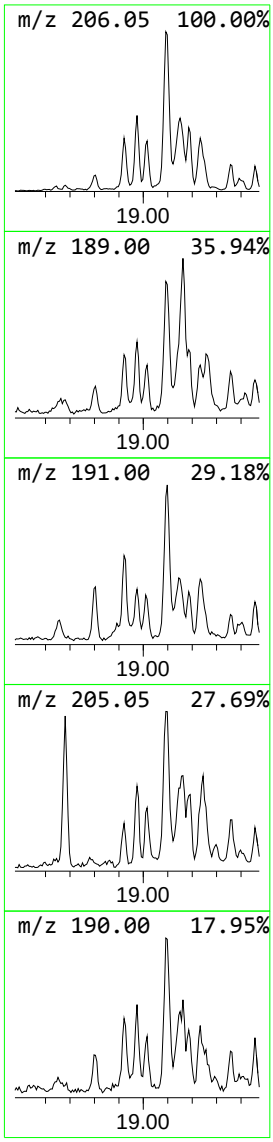
****

Peak Number 16 di-p-Tolylacetylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.974	3.17 ng	150137	Phenanthrene-d10	17.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	80
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

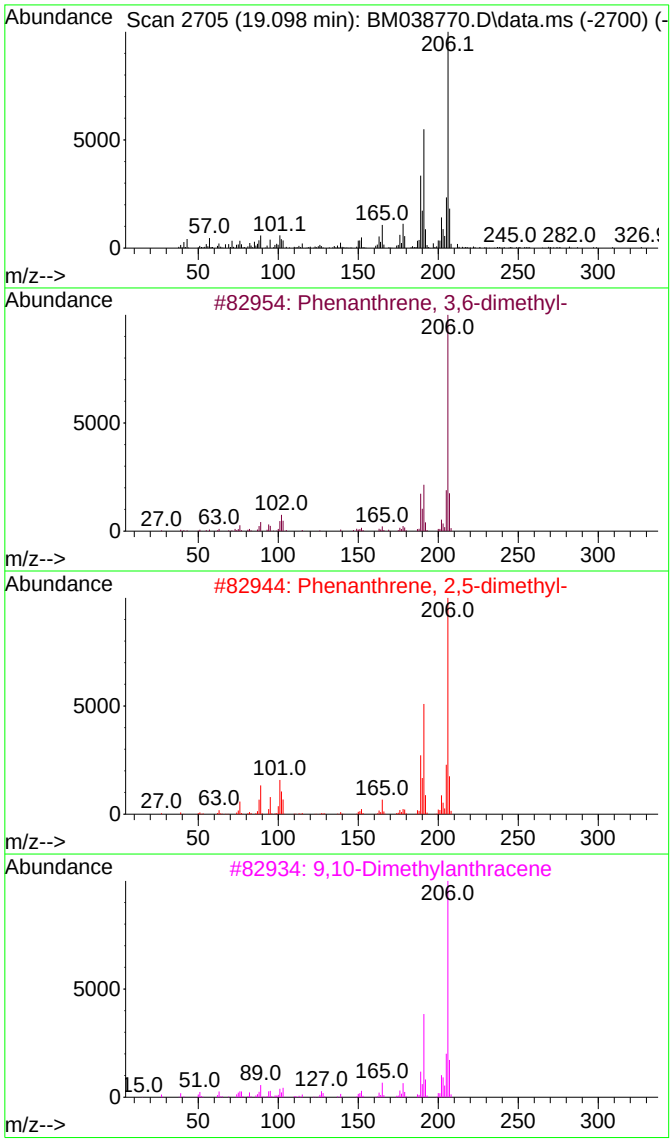
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

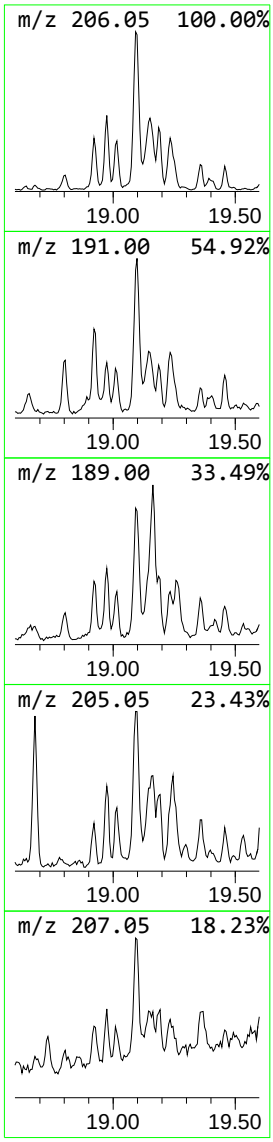
****

Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.098	9.32 ng	441351	Phenanthrene-d10	17.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

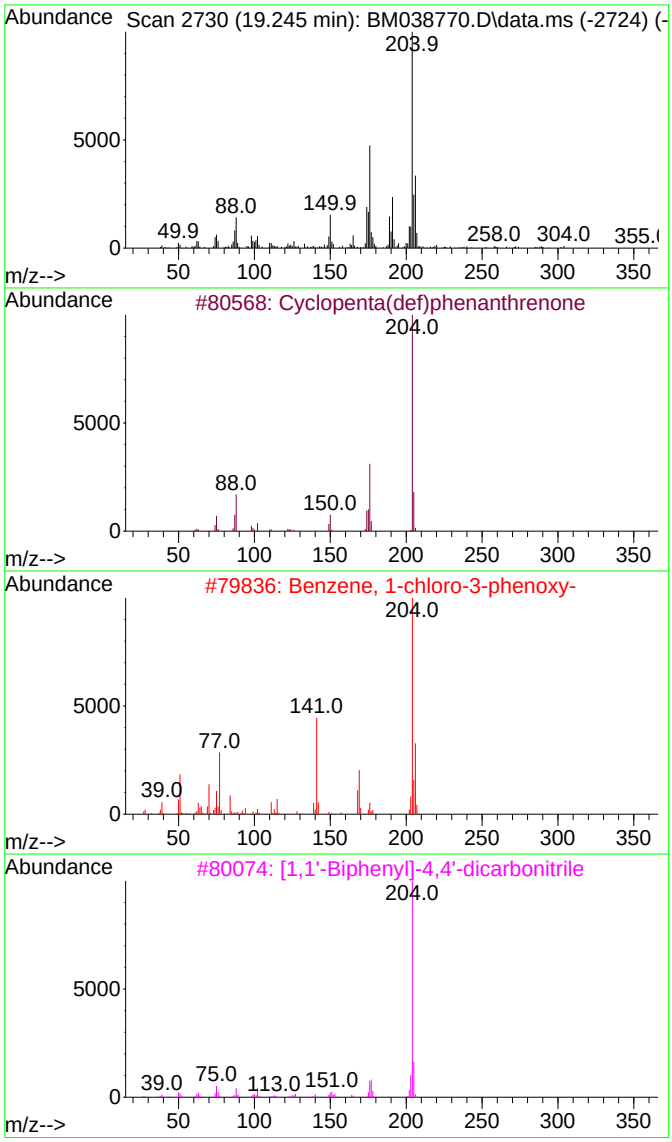
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

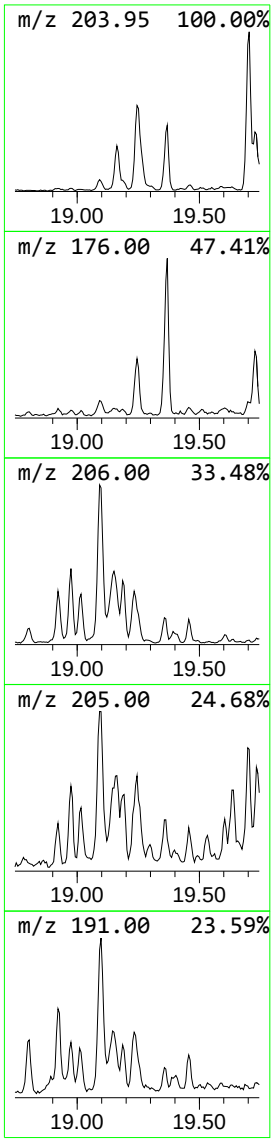
****

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.245	7.76 ng	367672	Phenanthrene-d10	17.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

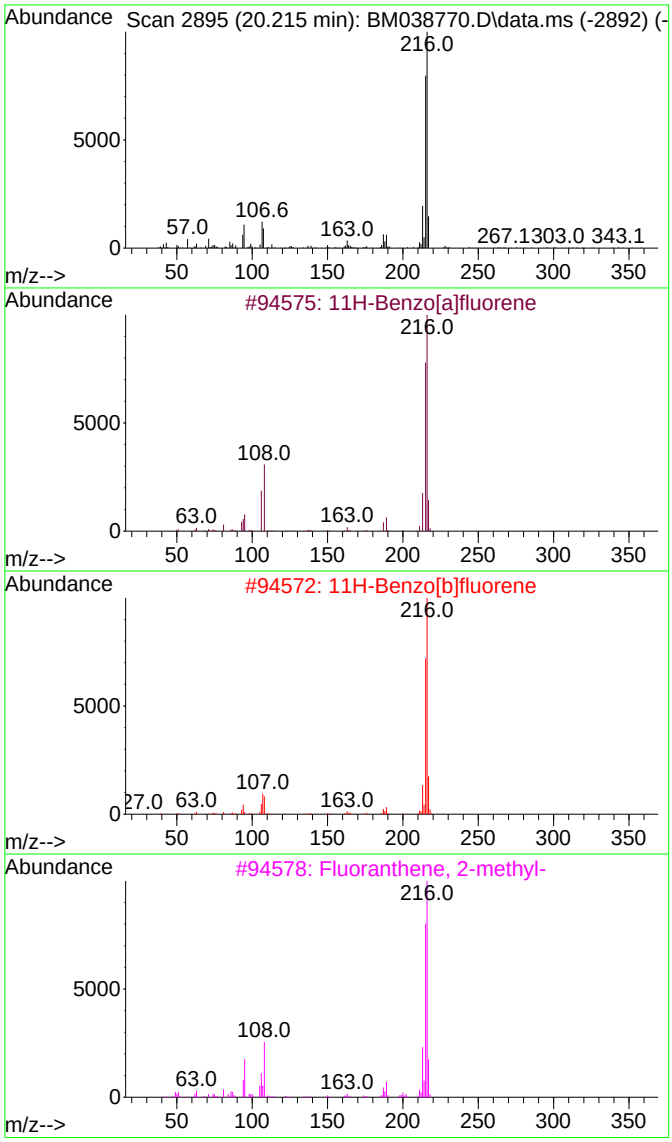
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

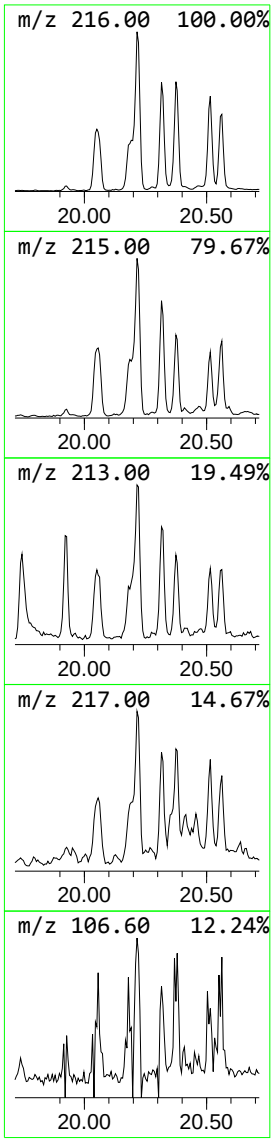
****

Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.215	3.64 ng	568852	Chrysene-d12	21.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	80
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

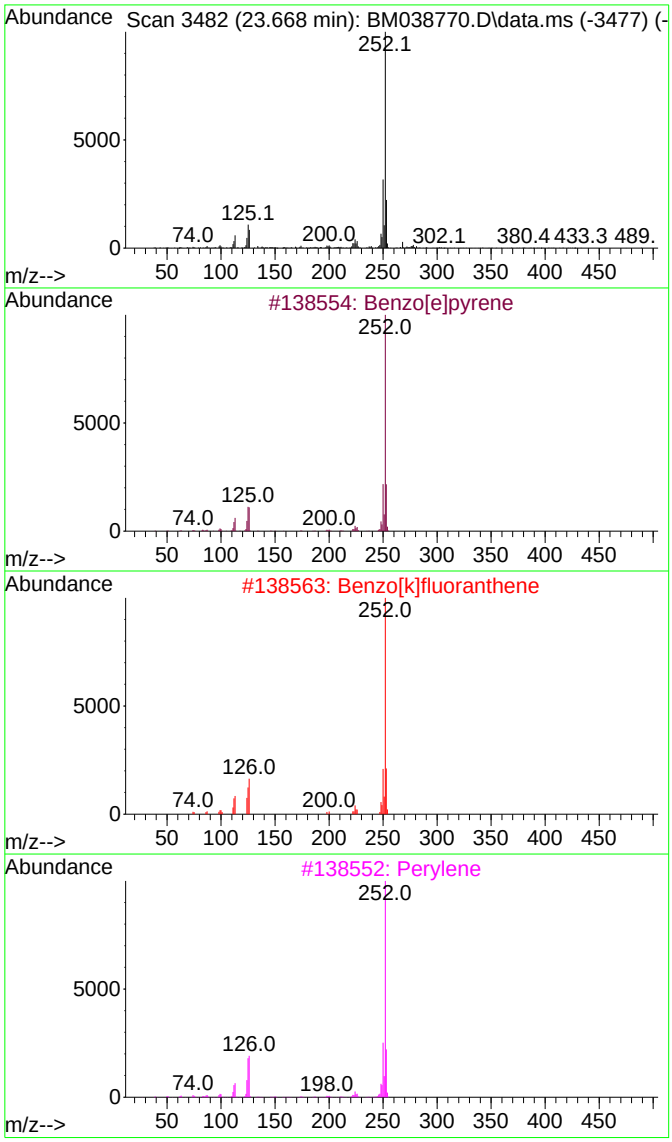
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

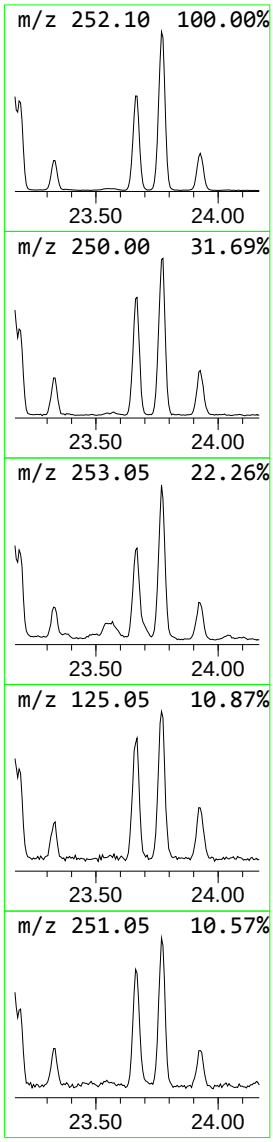
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.668	42.86 ng	997009	Perylene-d12	23.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
Data File : BM038770.D
Acq On : 16 Feb 2023 23:11
Operator : CG/JU
Sample : 01555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-3-2142023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.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
2-Pentanone, 4-...	4.999	23.9	ng	622412	1	7.916	520643	20.0
Naphthalene, 1,...	13.881	3.8	ng	189429	3	14.563	987813	20.0
Chamazulene	16.274	3.8	ng	180811	4	17.304	947532	20.0
9H-Fluorene, 2-...	16.610	4.1	ng	195353	4	17.304	947532	20.0
Ethanone, 1-[1,...	16.833	3.0	ng	141467	4	17.304	947532	20.0
Naphtho[2,1-b]t...	17.121	5.4	ng	256330	4	17.304	947532	20.0
1-Methyldibenzo...	17.886	3.8	ng	178015	4	17.304	947532	20.0
Phenanthrene, 1...	18.186	20.2	ng	956554	4	17.304	947532	20.0
Phenanthrene, 2...	18.227	16.2	ng	768092	4	17.304	947532	20.0
1H-Cyclopropa[l...	18.310	6.0	ng	286433	4	17.304	947532	20.0
4H-Cyclopenta[d...	18.380	23.3	ng	1103320	4	17.304	947532	20.0
1a,9b-Dihydro-1...	18.410	8.4	ng	397864	4	17.304	947532	20.0
5,16[1',2']:8,1...	18.680	7.1	ng	337670	4	17.304	947532	20.0
9,10-Anthracene...	18.733	4.6	ng	217342	4	17.304	947532	20.0
Anthracene, 1,4...	18.921	3.1	ng	149167	4	17.304	947532	20.0
di-p-Tolylacety...	18.974	3.2	ng	150137	4	17.304	947532	20.0
Phenanthrene, 3...	19.098	9.3	ng	441351	4	17.304	947532	20.0
Cyclopenta(def)...	19.245	7.8	ng	367672	4	17.304	947532	20.0
11H-Benzo[a]flu...	20.215	3.6	ng	568852	5	21.486	3124430	20.0
Benzo[e]pyrene	23.668	42.9	ng	997009	6	23.874	465244	20.0