LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

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-BM100221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM032402.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.190	393	400	420	rBV	6283395	9200879	45.89%	4.305%
2	6.813	664	676	689	rBV	5804825	9487724	47.32%	4.439%
3	7.613	805	812	823	rBV	1828051	2784786	13.89%	1.303%
4	7.996	869	877	888	rBV	426992	670211	3.34%	0.314%
5	8.772	997	1009	1023	rBV	3700811	6194268	30.90%	2.898%
6	9.813	1180	1186	1196	rVB3	114507	246835	1.23%	0.115%
7	10.178	1241	1248	1257	rBV	474909	694803	3.47%	0.325%
8	10.401	1277	1286	1291	rBV	2425937	3975296	19.83%	1.860%
9	10.448	1291	1294	1304	rVB	1464588	2286258	11.40%	1.070%
10	12.066	1559	1569	1577	rBV	4017497	6316765	31.51%	2.955%
11	12.289	1596	1607	1618	rVB	2080167	3275207	16.34%	1.532%
12	12.878	1699	1707	1722	rBV	7924102	12188533	60.79%	5.703%
13	13.089	1737	1743	1751	rBV	1012425	1450657	7.24%	0.679%
14	13.283	1771	1776	1788	rVB	469463	846861	4.22%	0.396%
15	13.419	1790	1799	1800	rBV	721550	965146	4.81%	0.452%
16	13.583	1817	1827	1831	rBV	1135144	1958361	9.77%	0.916%
17	13.630	1831	1835	1845	rVB	765914	1206664	6.02%	0.565%
18	13.819	1861	1867	1870	rBV	491358	708603	3.53%	0.332%
19	13.848	1870	1872	1878	rVB	182760	216159	1.08%	0.101%
20	13.983	1886	1895	1902	rBV	357089	560615	2.80%	0.262%
21	14.260	1931	1942	1948	rBV2	3150754	5510171	27.48%	2.578%
22	14.325	1948	1953	1960	rVV	6604431	9870814	49.23%	4.618%
23	14.466	1971	1977	1982	rBV	176727	368724	1.84%	0.173%
24	14.572	1987	1995	1999	rBV2	310381	484150	2.41%	0.227%
25	14.660	2004	2010	2017	rVV	4930673	6886543	34.35%	3.222%
26	14.736	2017	2023	2030	rVB	300368	429483	2.14%	0.201%
27	14.877	2039	2047	2052	rBV2	226034	405896	2.02%	0.190%
28	14.930	2052	2056	2061	rVB	252627	346961	1.73%	0.162%
29	15.054	2069	2077	2079	rBV	183345	361408	1.80%	0.169%
30	15.230	2103	2107	2113	rVV4	176169	343301	1.71%	0.161%
31	15.307	2113	2120	2131	rVV	6165765	8916120	44.47%	4.172%
32	15.401	2131	2136	2138	rVV	310115	454990	2.27%	0.213%
33	15.430	2138	2141	2144	rVV	493476	692563	3.45%	0.324%
34	15.466	2144	2147	2152	rVV2	895524	1264997	6.31%	0.592%
35	15.519	2152	2156	2158	rVV	231712	323126	1.61%	0.151%
36	15.554	2158	2162	2165	rVV	402877	580067	2.89%	0.271%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

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-BM100221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.601	2165	2170	2178	rVB	1068301	1540592	7.68%	0.721%
38	15.748	2187	2195	2202	rBV	5814540	8709601	43.44%	4.075%
39	15.836	2202	2210	2216	rVB2	205691	399562	1.99%	0.187%
40	15.960	2225	2231	2242	rVB3	185252	387830	1.93%	0.181%
41	16.095	2246	2254	2262	rBV3	268074	496576	2.48%	0.232%
42	16.301	2278	2289	2294	rBV2	724570	1462380	7.29%	0.684%
43	16.348	2294	2297	2303	rVB	267089	366568	1.83%	0.172%
44	16.454	2309	2315	2320	rVB2	318977	524512	2.62%	0.245%
45	16.530	2325	2328	2331	rVV	211945	282958	1.41%	0.132%
46	16.571	2331	2335	2338	rVB2	233268	308224	1.54%	0.144%
47	16.724	2356	2361	2368	rBV2	313008	710435	3.54%	0.332%
48	16.807	2370	2375	2381	rVB	1214551	1650566	8.23%	0.772%
49	16.989	2400	2406	2409	rBV	3105043	4682496	23.36%	2.191%
50	17.036	2409	2414	2420	rVV	12268359	20048865	100.00%	9.380%
51	17.118	2424	2428	2433	rVV	1729777	2237191	11.16%	1.047%
52	17.177	2433	2438	2444	rVB2	322529	506905	2.53%	0.237%
53	17.383	2469	2473	2477	rBV	482491	662405	3.30%	0.310%
54	17.507	2489	2494	2499	rBV2	242109	351699	1.75%	0.165%
55	17.565	2500	2504	2513	rVB3	159195	291063	1.45%	0.136%
56	17.707	2523	2528	2537	rVB	135666	256790	1.28%	0.120%
57	17.860	2544	2554	2558	rBV	1309462	2037580	10.16%	0.953%
58	17.907	2558	2562	2568	rVB	1687554	2321307	11.58%	1.086%
59	17.983	2569	2575	2581	rBV	480070	786460	3.92%	0.368%
60	18.054	2581	2587	2591	rVV2	2378372	3852059	19.21%	1.802%
61	18.089	2591	2593	2599	rVB	575209	626604	3.13%	0.293%
62	18.354	2633	2638	2643	rBV	959655	1156462	5.77%	0.541%
63	18.607	2677	2681	2685	rVB	218335	262544	1.31%	0.123%
64	18.654	2685	2689	2692	rVV	195690	250648	1.25%	0.117%
65	18.695	2692	2696	2699	rVB	164326	218356	1.09%	0.102%
66	18.777	2704	2710	2715	rBV	312770	549068	2.74%	0.257%
67	18.842	2715	2721	2724	rBV3	199233	347822	1.73%	0.163%
68	19.042	2749	2755	2761	rBV	8896921	12587965	62.79%	5.890%
69	19.101	2761	2765	2768	rVV	192305	239136	1.19%	0.112%
70	19.283	2792	2796	2801	rBV	279439	337880	1.69%	0.158%
71	19.377	2806	2812	2813	rBV2	1679747	2355389	11.75%	1.102%
72	19.401	2813	2816	2825	rVV	5852500	8466716	42.23%	3.961%
73	19.471	2825	2828	2836	rVB2	333254	507903	2.53%	0.238%
74	19.607	2842	2851	2855	rBV	8553627	11392883	56.83%	5.330%
75	19.724	2865	2871	2877	rBV3	335570	827533	4.13%	0.387%
76	19.859	2890	2894	2896	rBV2	209064	310851	1.55%	0.145%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

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-BM100221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.895	2896	2900	2906	rVB	1176130	1530755	7.64%	0.716%
78	19.995	2912	2917	2921	rBV2	1181442	1525326	7.61%	0.714%
79	20.054	2921	2927	2931	rVV2	404847	713091	3.56%	0.334%
80	20.195	2947	2951	2954	rBV	155164	229586	1.15%	0.107%
81	20.242	2955	2959	2962	rVB	169878	223431	1.11%	0.105%
82	20.806	3051	3055	3058	rBV	243575	324926	1.62%	0.152%
83	20.854	3058	3063	3065	rBV2	277855	500364	2.50%	0.234%
84	21.148	3107	3113	3117	rBV2	3025858	5228378	26.08%	2.446%
85	21.189	3117	3120	3129	rVB	1053932	1288646	6.43%	0.603%
86	21.306	3137	3140	3147	rVB	217423	266498	1.33%	0.125%
87	22.653	3366	3369	3374	rBV	299179	577630	2.88%	0.270%
88	23.295	3472	3478	3493	rVB2	1921617	3538167	17.65%	1.655%

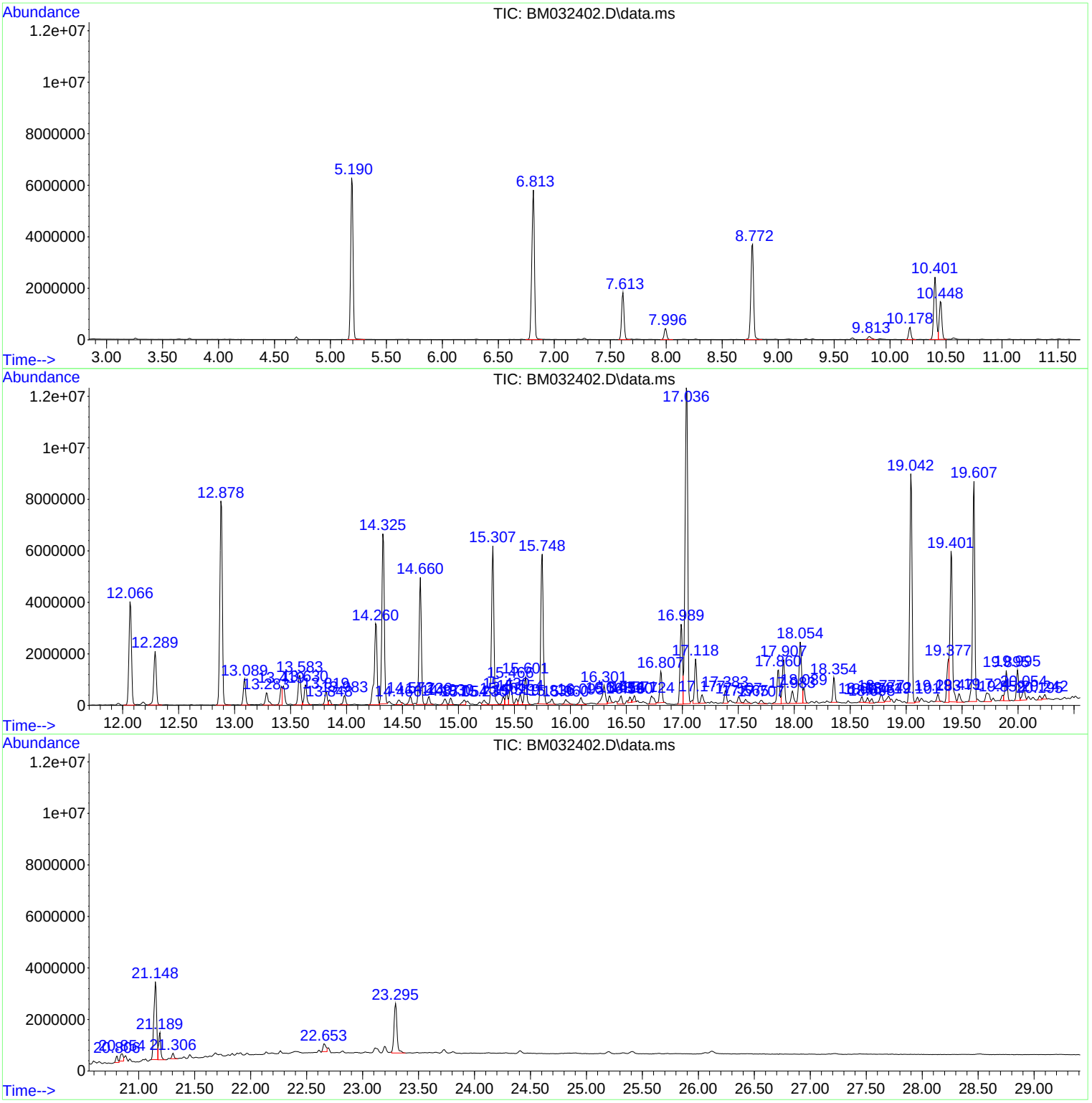
Sum of corrected areas: 213733127

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.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\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

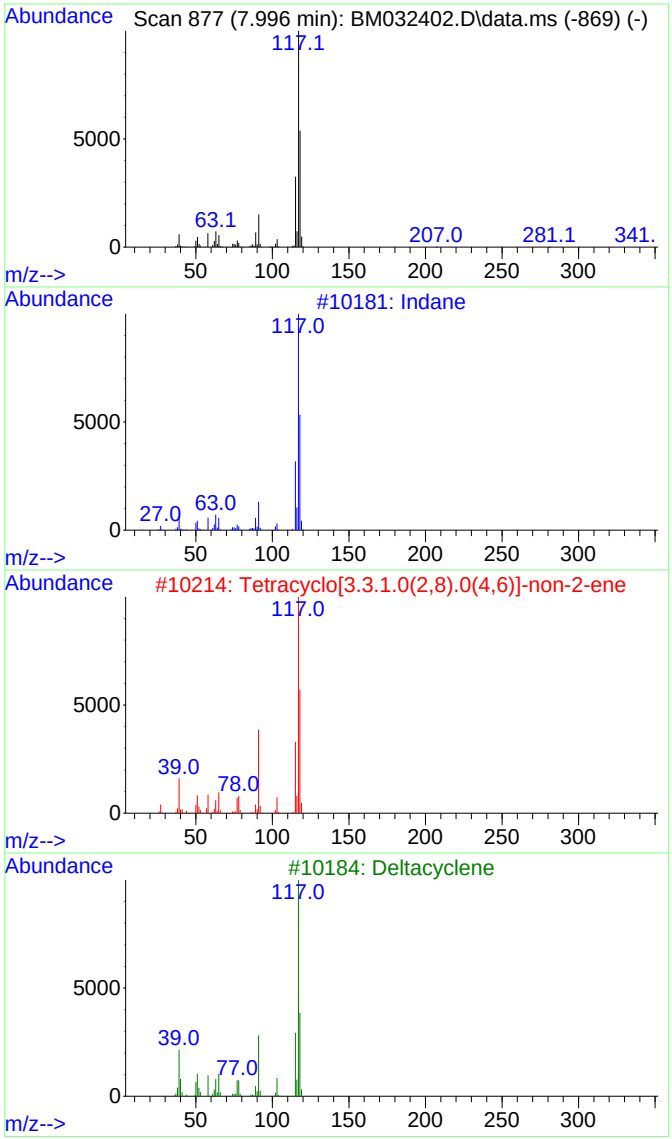
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

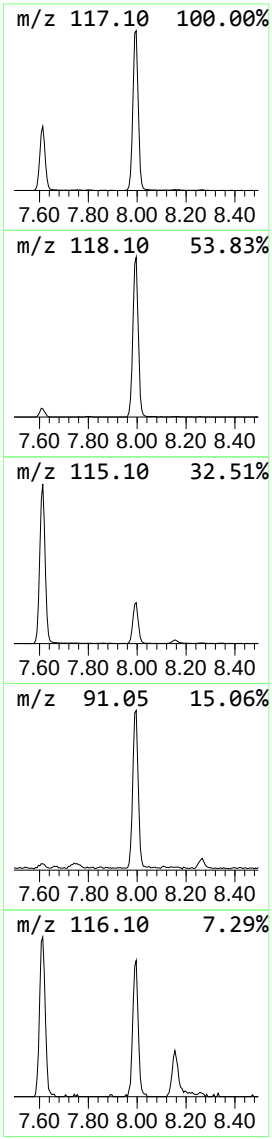
****

Peak Number 1 Indane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.996	4.81 ng	670211	1,4-Dichlorobenzene-d4	7.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

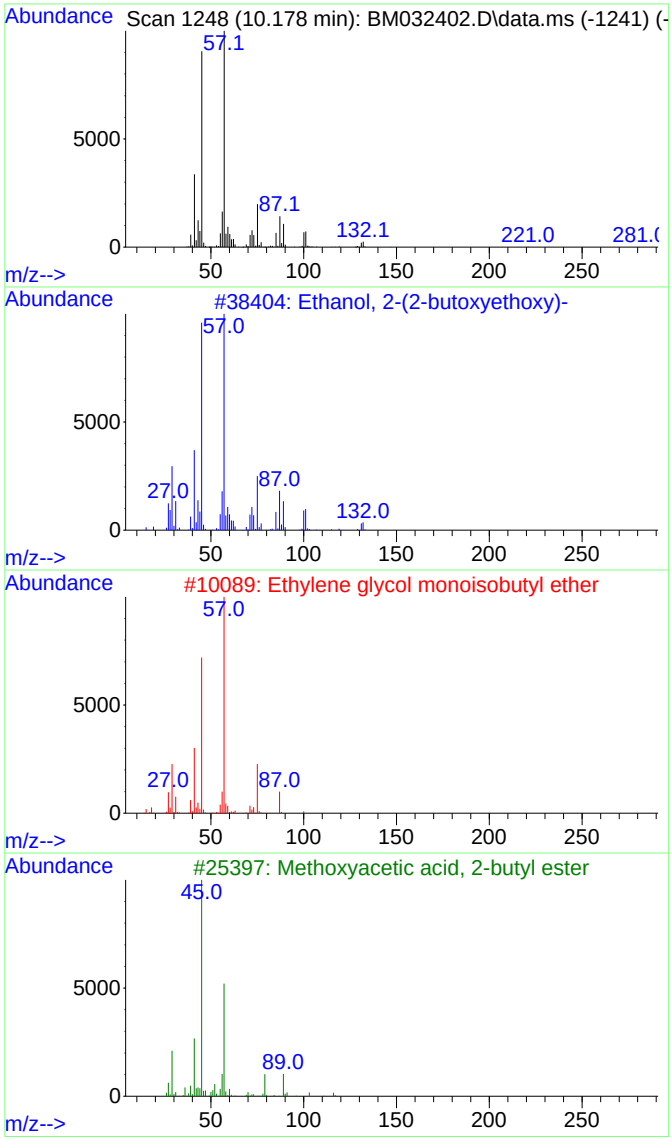
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

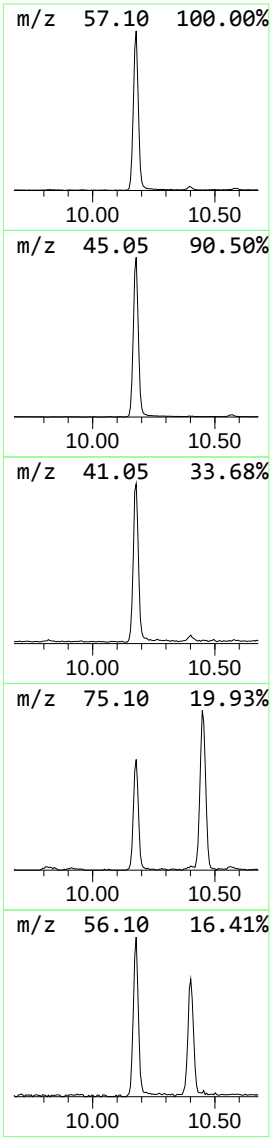
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.178	3.50 ng	694803	Naphthalene-d8	10.401

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	91
2	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
3	Methoxyacetic acid, 2-butyl ester	146	C7H14O3	070159-90-9	50
4	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	50
5	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

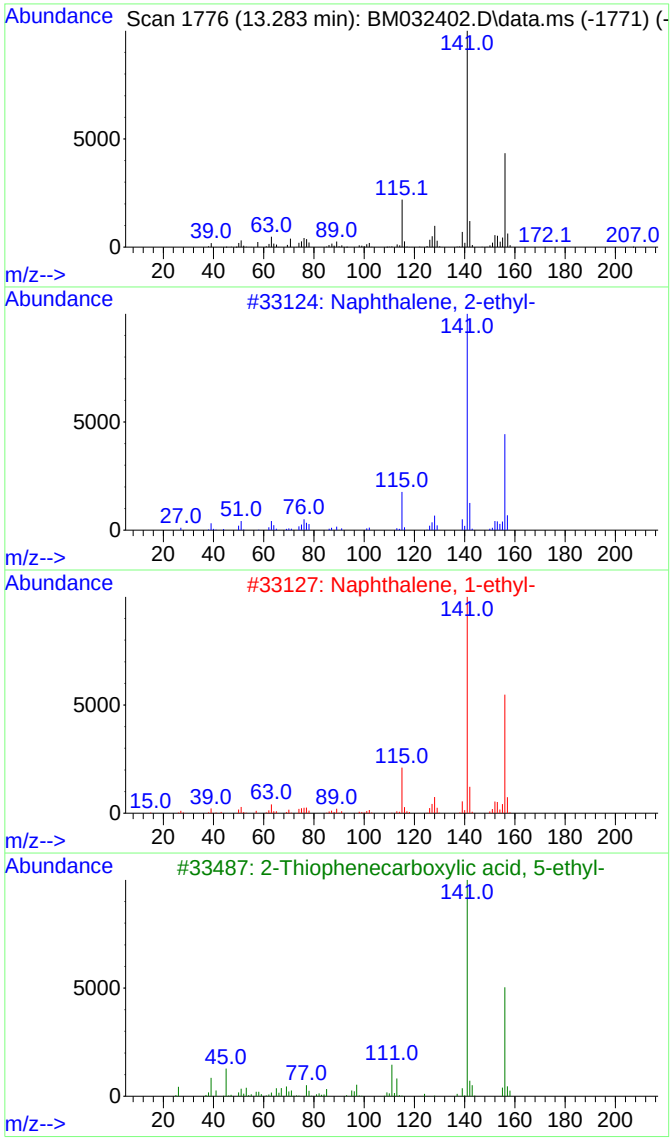
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

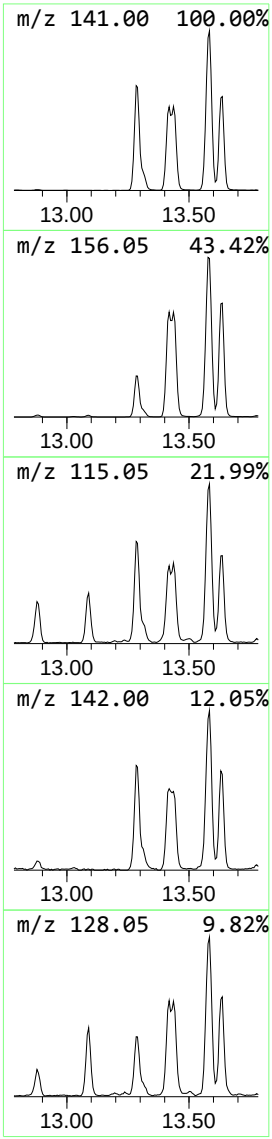
****

Peak Number 3 Naphthalene, 2-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.283	3.07 ng	846861	Acenaphthene-d10	14.260

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
4	5-Acetyl-2-amino-4-methylthiazole	156	C6H8N2OS	030748-47-1	53
5	7-Methyl-trans-8-thiabicyclo[4.3...	156	C9H16S	060133-10-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

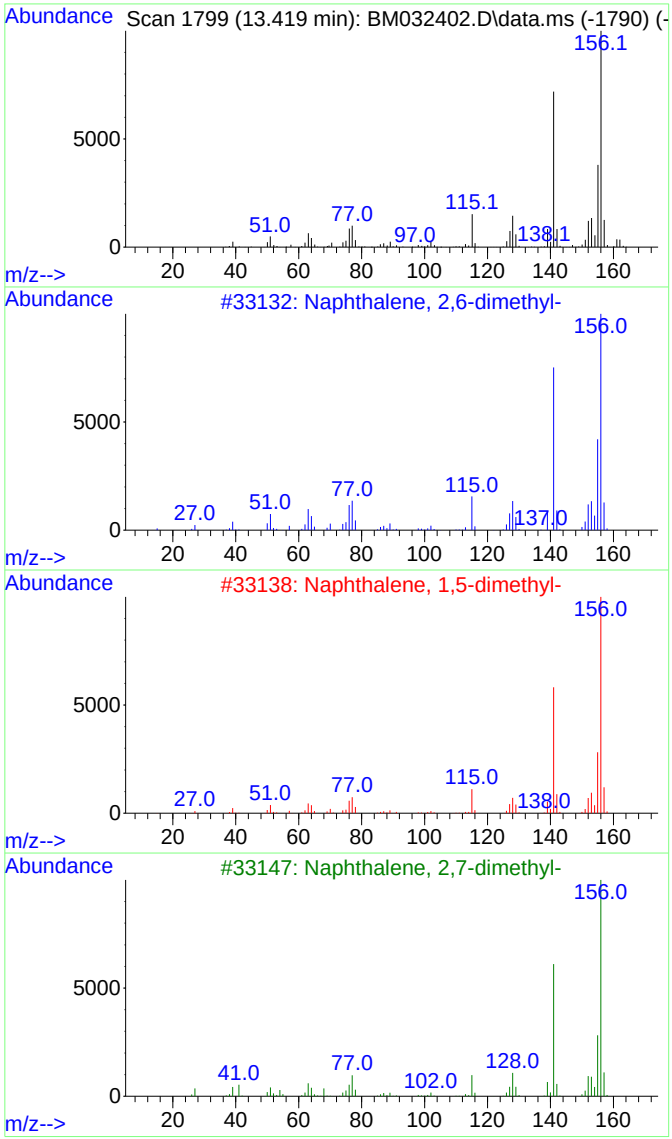
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

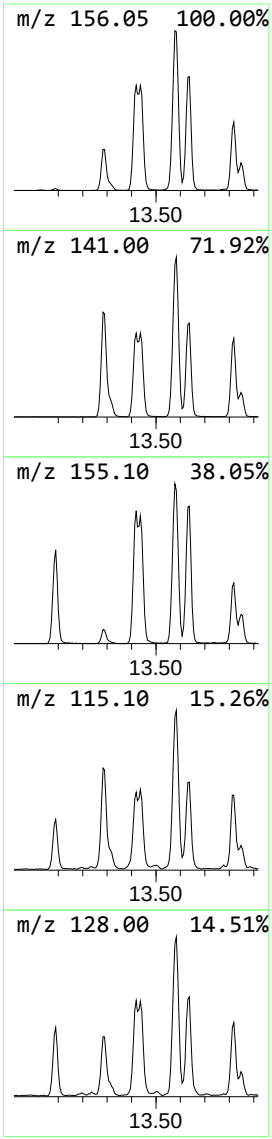
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.419	3.50 ng	965146	Acenaphthene-d10	14.260

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

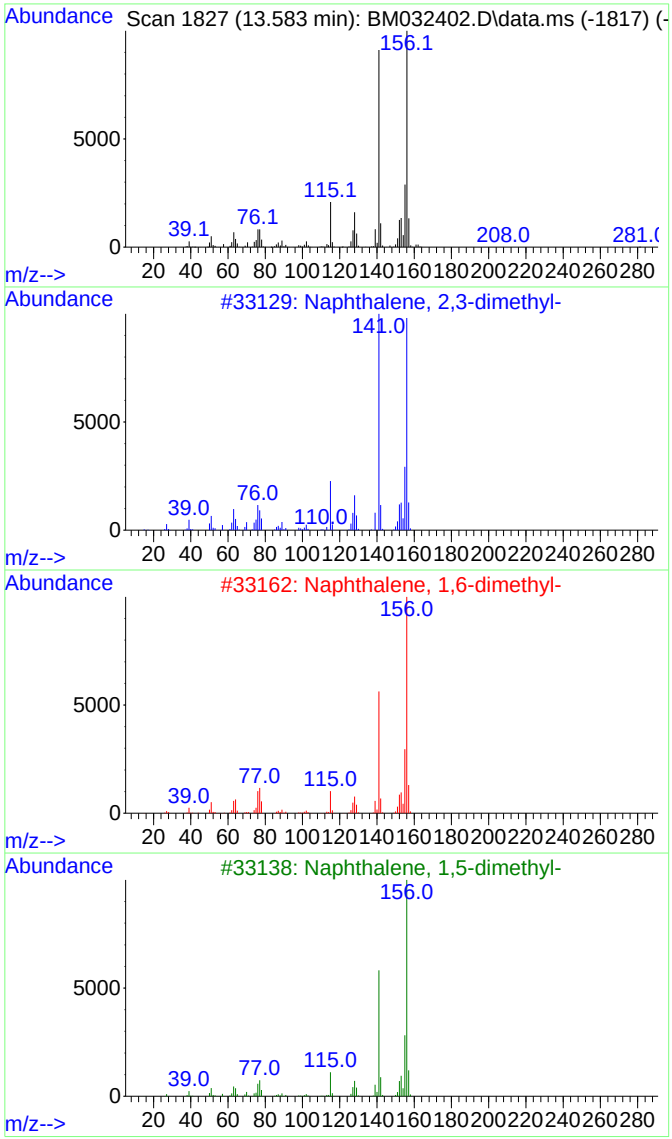
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

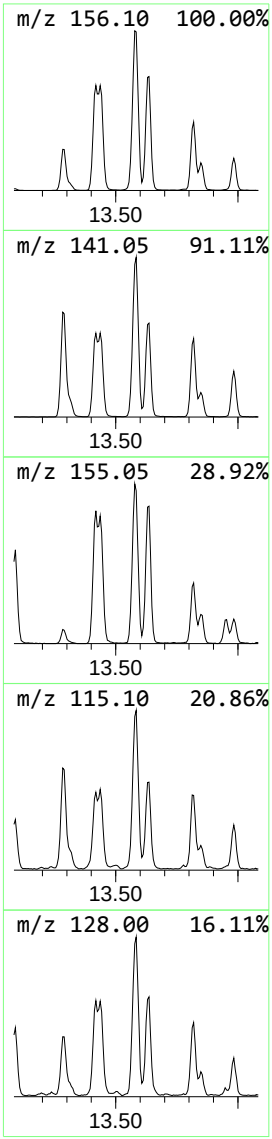
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.583	7.11 ng	1958360	Acenaphthene-d10	14.260

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

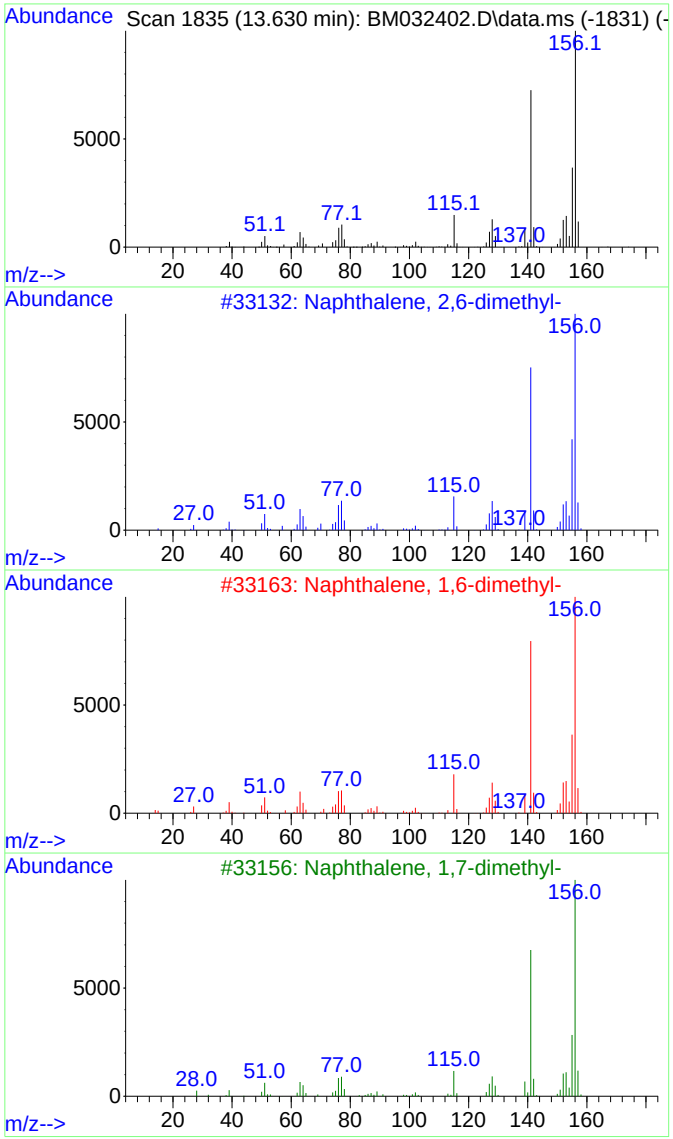
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

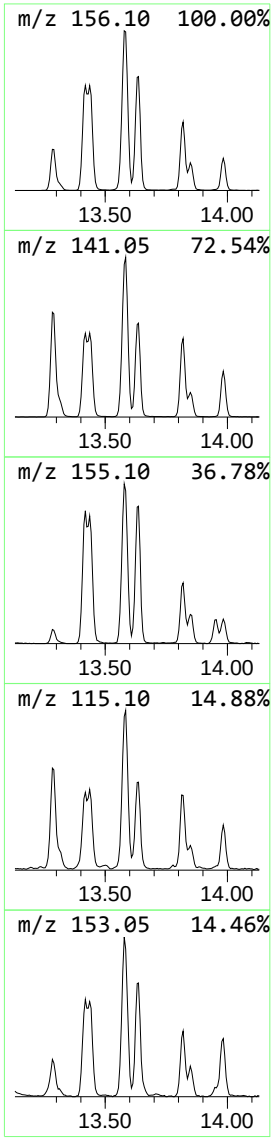
****

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.630	4.38 ng	1206660	Acenaphthene-d10	14.260

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

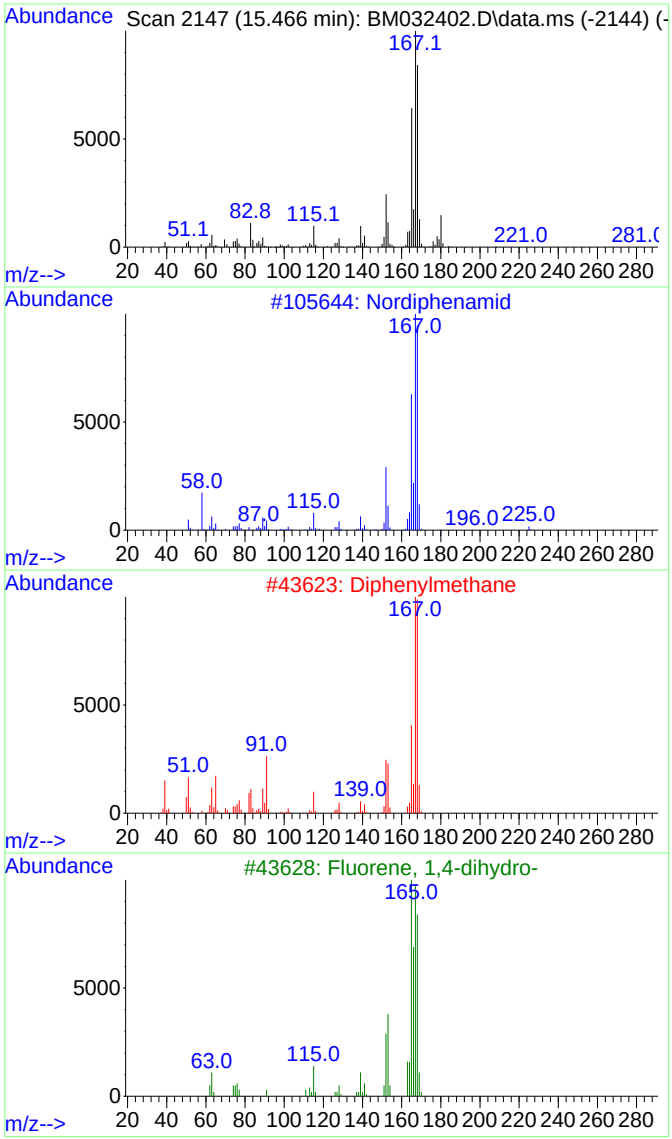
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

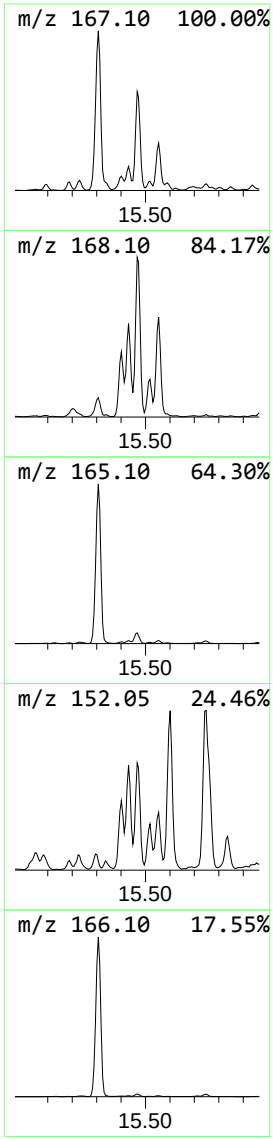
****

Peak Number 7 Nordiphenamid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.466	4.59 ng	1265000	Acenaphthene-d10	14.260

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	91
2	Diphenylmethane	168	C13H12	000101-81-5	68
3	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	62
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	60
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PSC124055

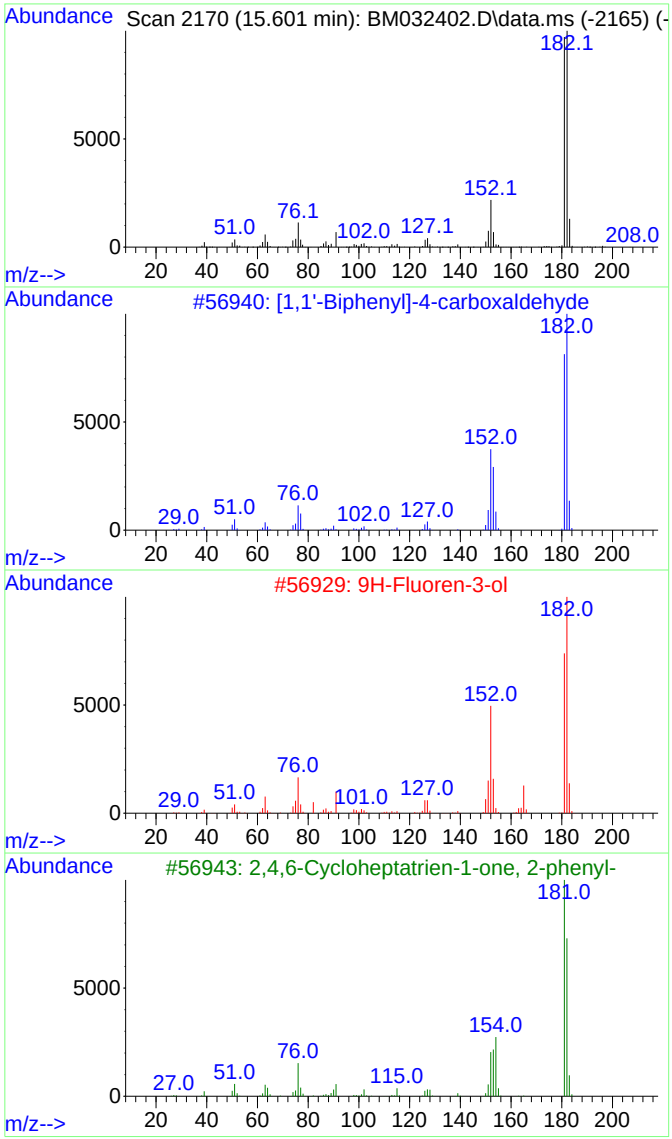
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

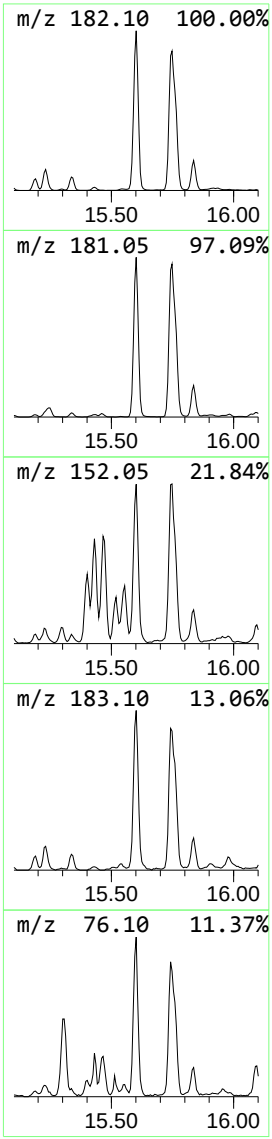
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.601	5.59 ng	1540590	Acenaphthene-d10	14.260

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

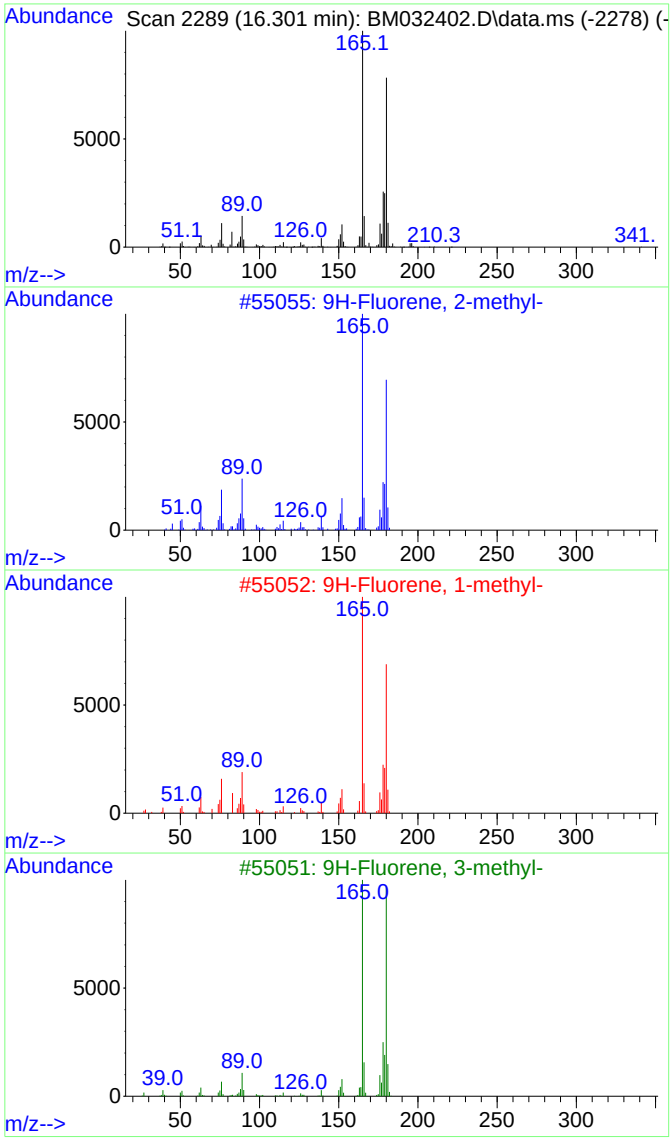
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

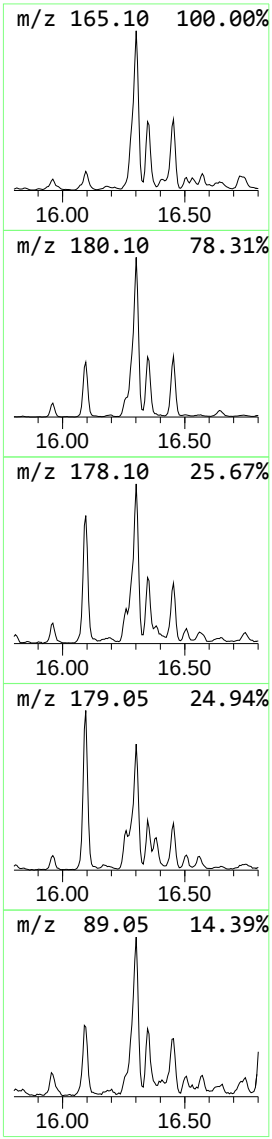
****

Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.301	6.25 ng	1462380	Phenanthrene-d10	16.989

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	91
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83
5	Ethylene, 1,1-diphenyl-	180	C14H12	000530-48-3	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

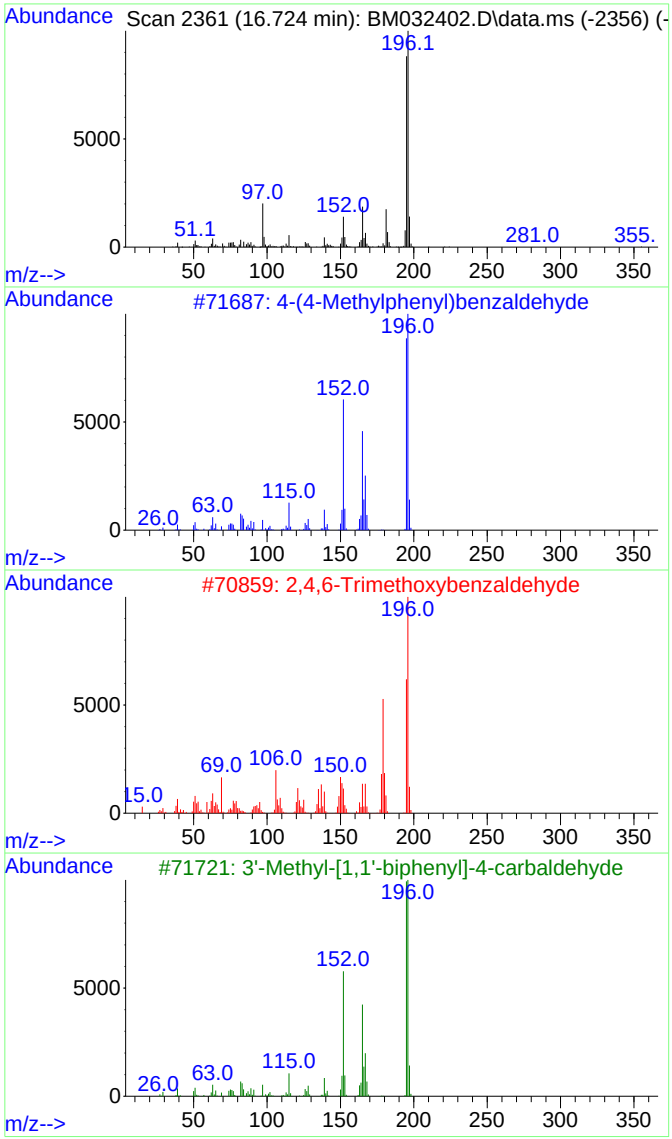
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

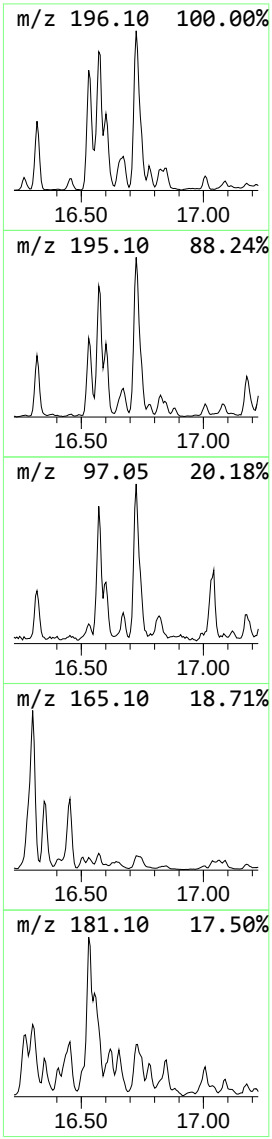
****

Peak Number 10 4-(4-Methylphenyl)benzaldehyde Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.724	3.03 ng	710435	Phenanthrene-d10	16.989

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	83
2	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	80
3	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	74
4	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

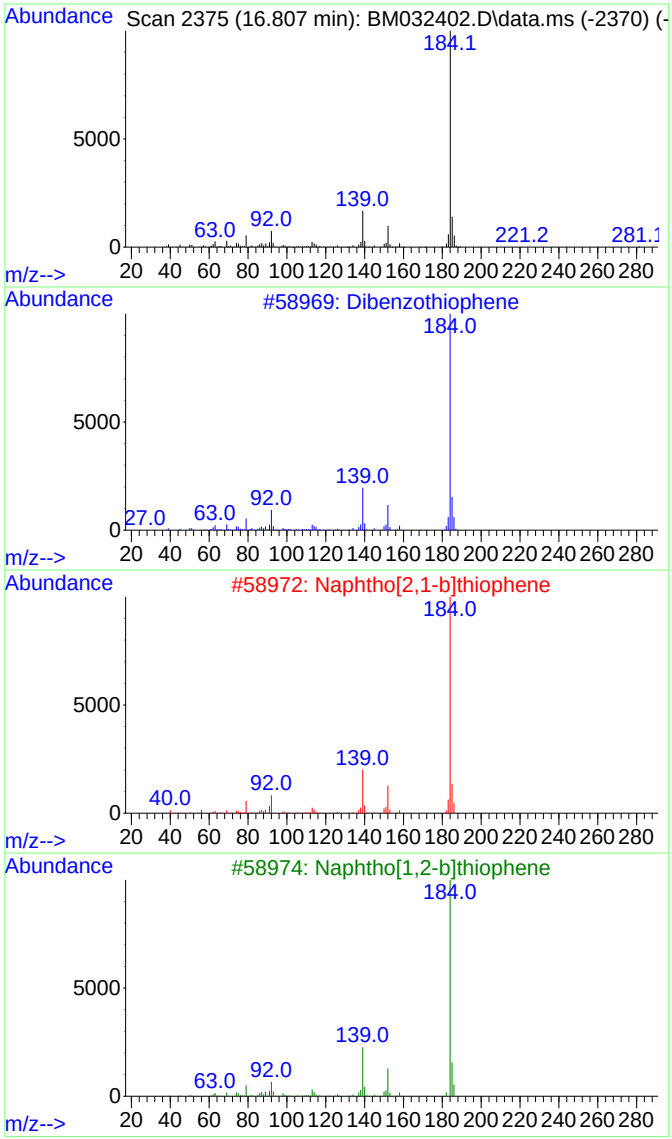
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

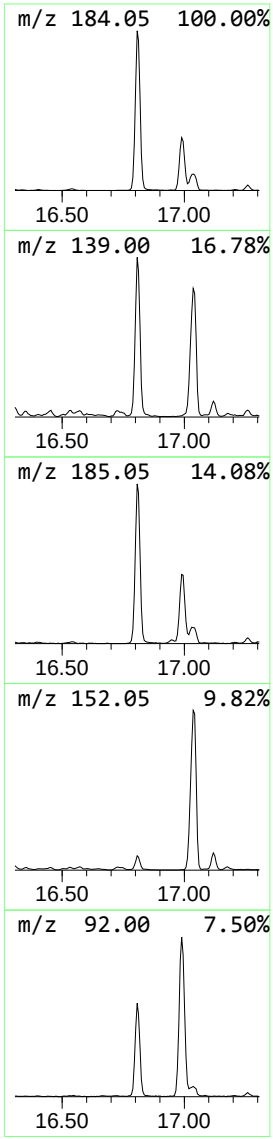
****

Peak Number 11 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.807	7.05 ng	1650570	Phenanthrene-d10	16.989

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	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

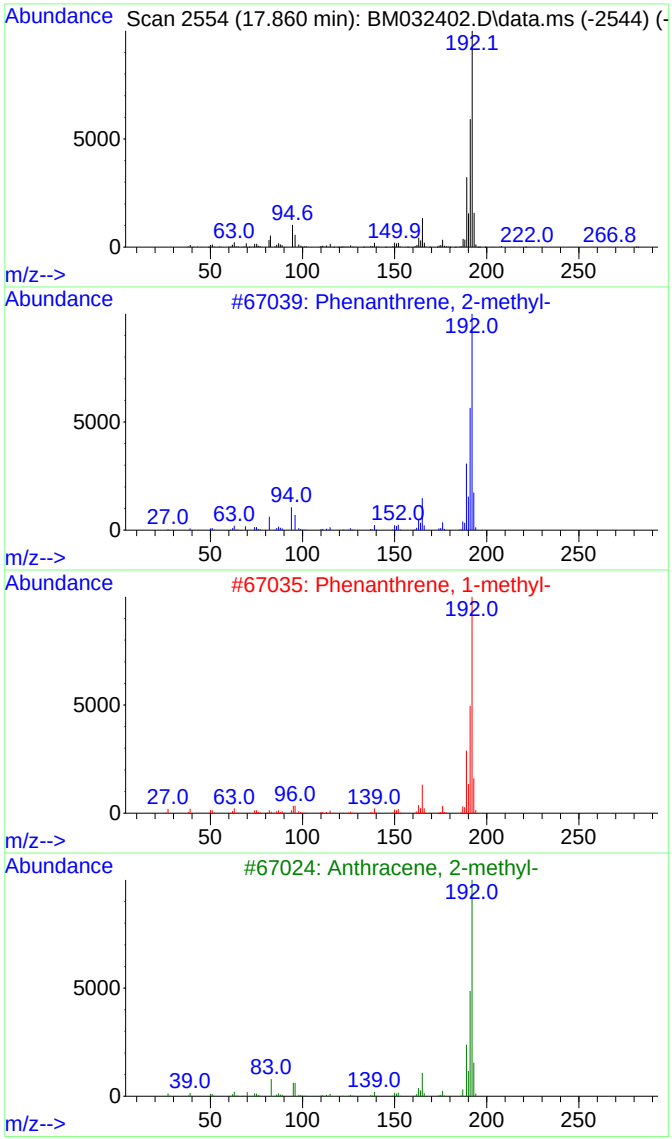
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

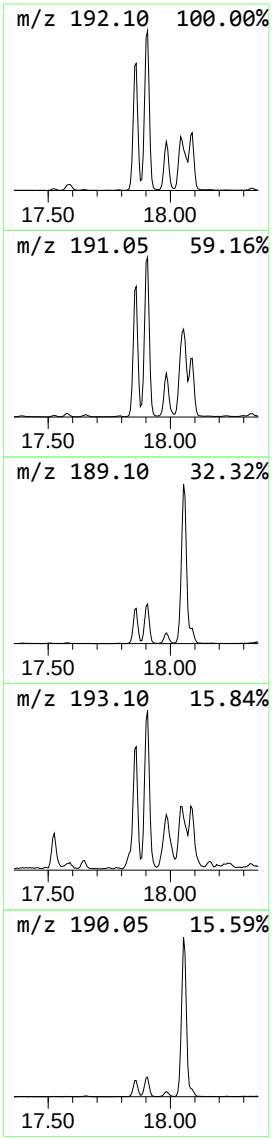
****

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.860	8.70 ng	2037580	Phenanthrene-d10	16.989

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

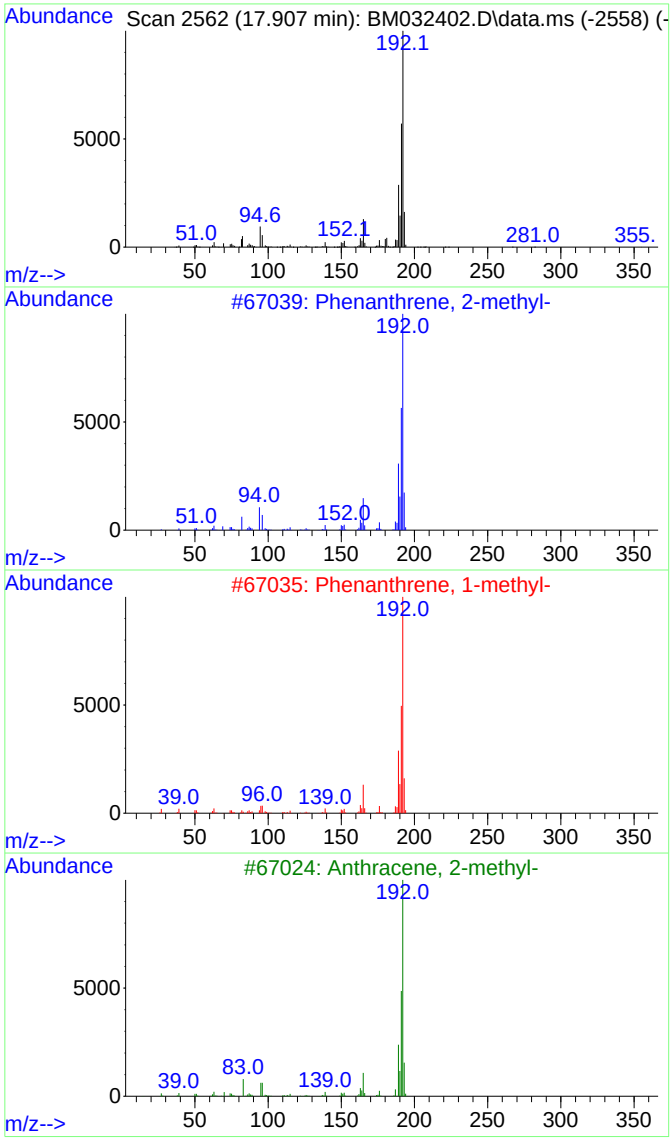
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

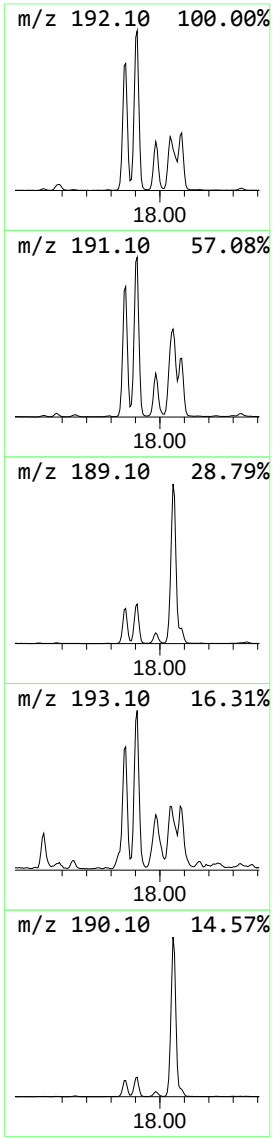
****

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.907	9.91 ng	2321310	Phenanthrene-d10	16.989

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

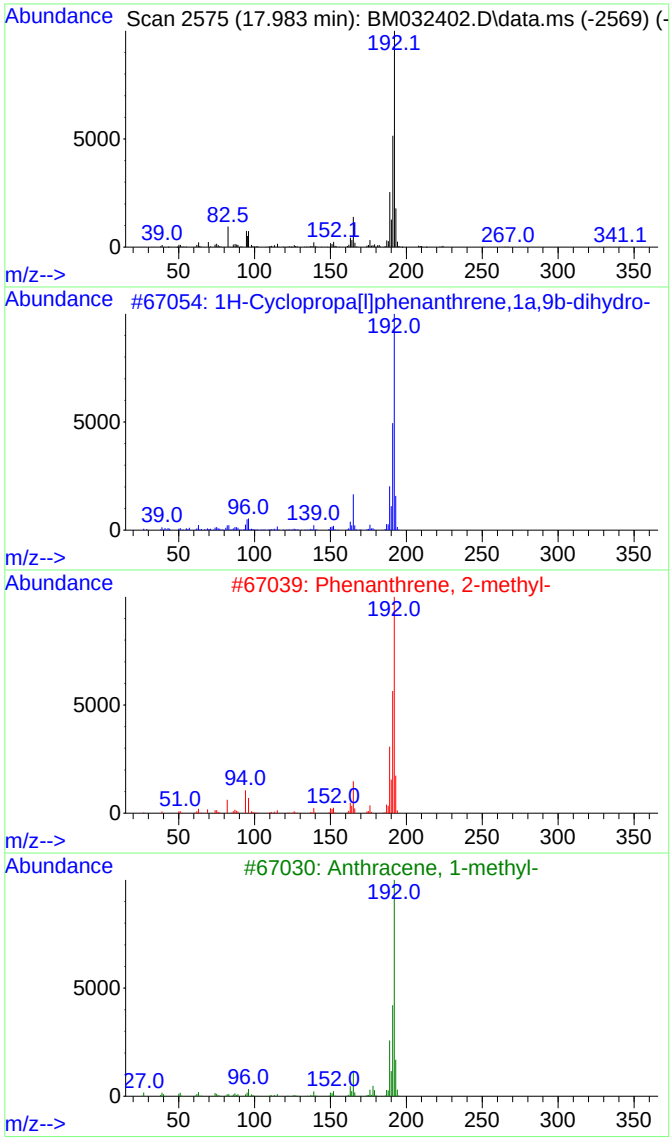
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

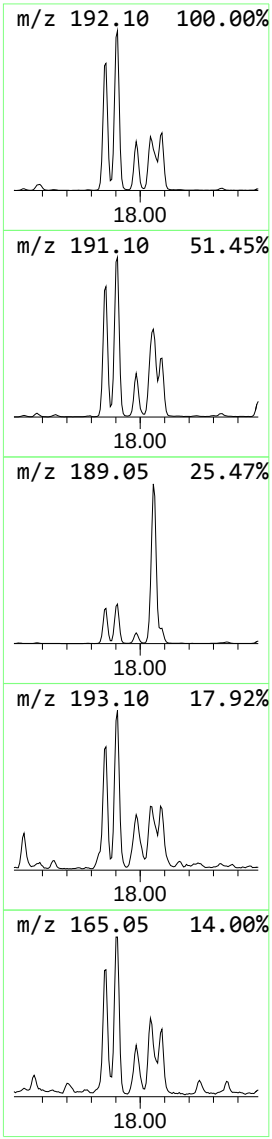
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.983	3.36 ng	786460	Phenanthrene-d10	16.989

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

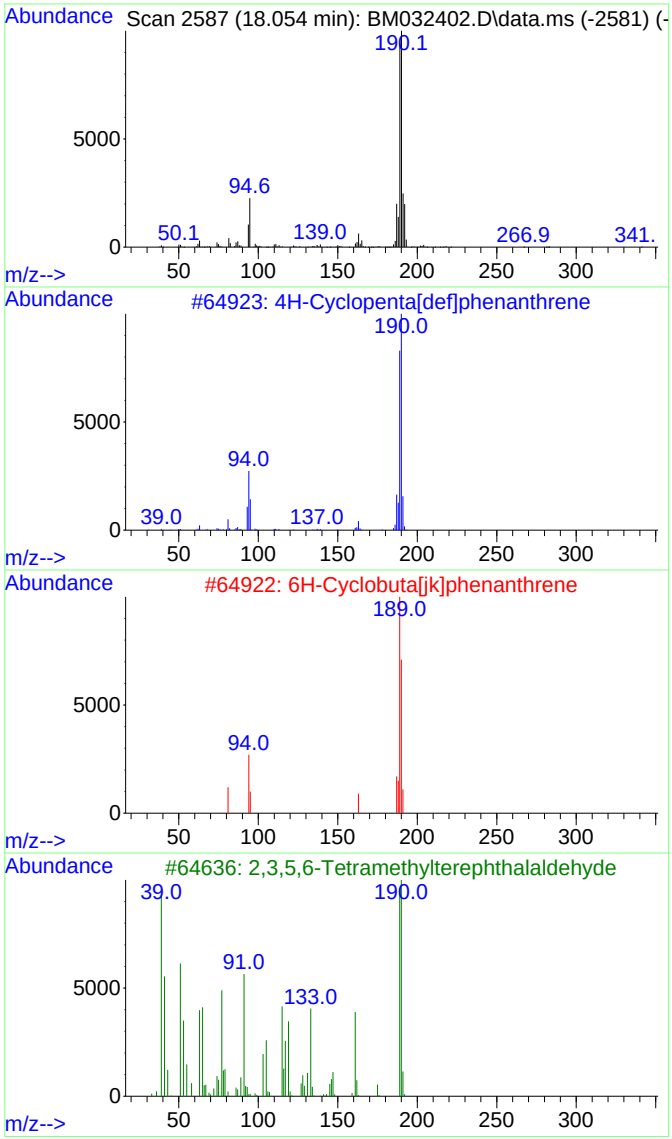
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

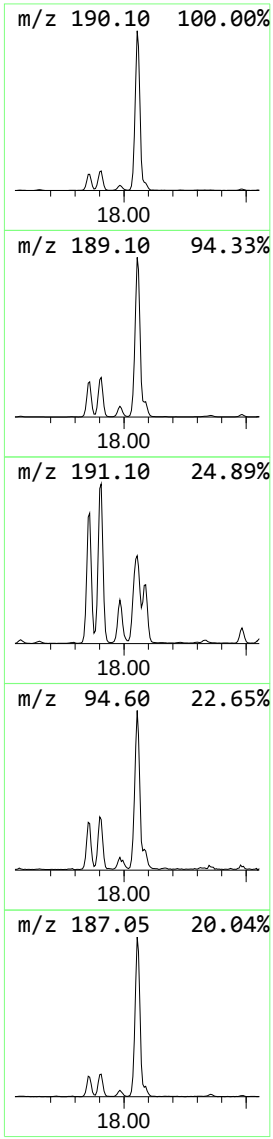
****

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.054	16.45 ng	3852060	Phenanthrene-d10	16.989

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

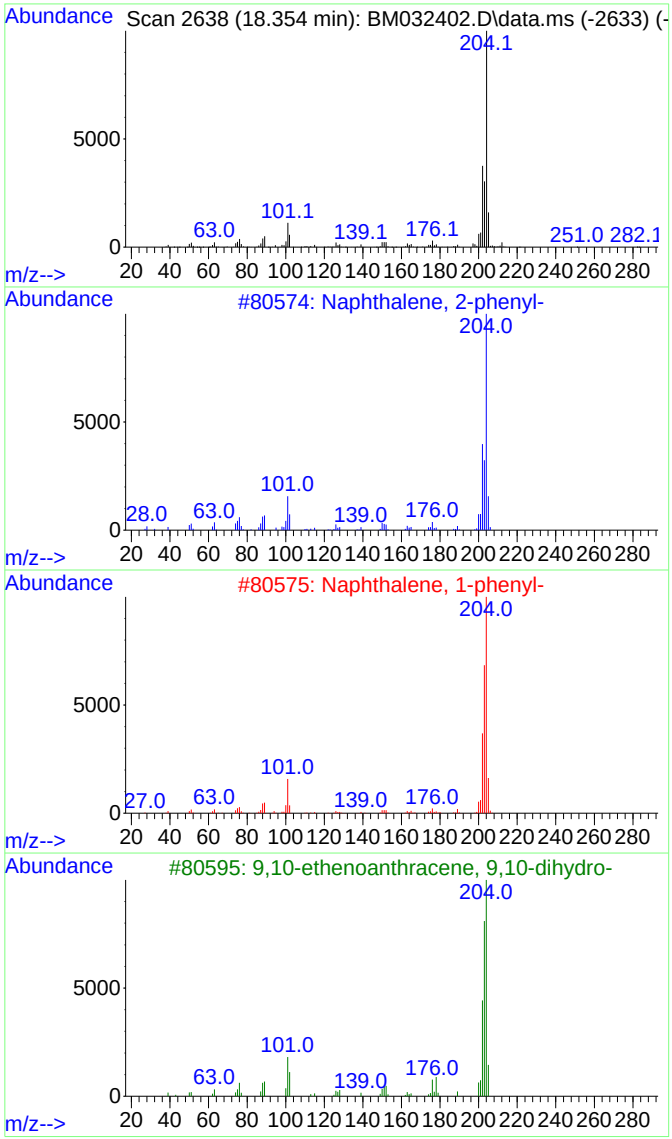
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

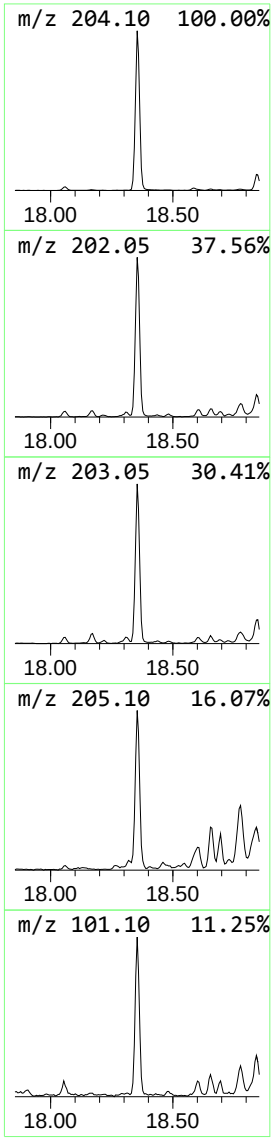
****

Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.354	4.94 ng	1156460	Phenanthrene-d10	16.989

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
3	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	53
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	Quinoline, 6-methoxy-5-nitro-	204	C10H8N2O3	006623-91-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

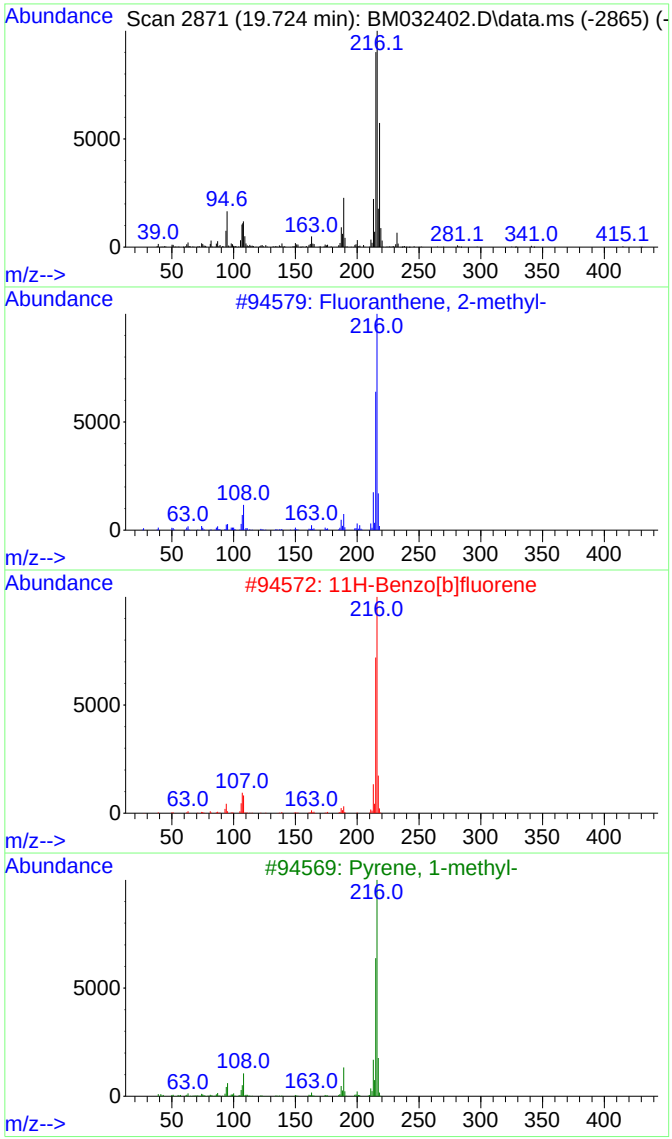
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

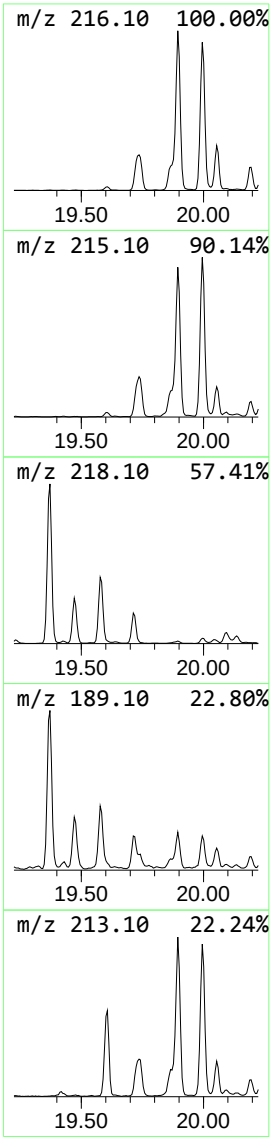
****

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.724	3.17 ng	827533	Chrysene-d12	21.154

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

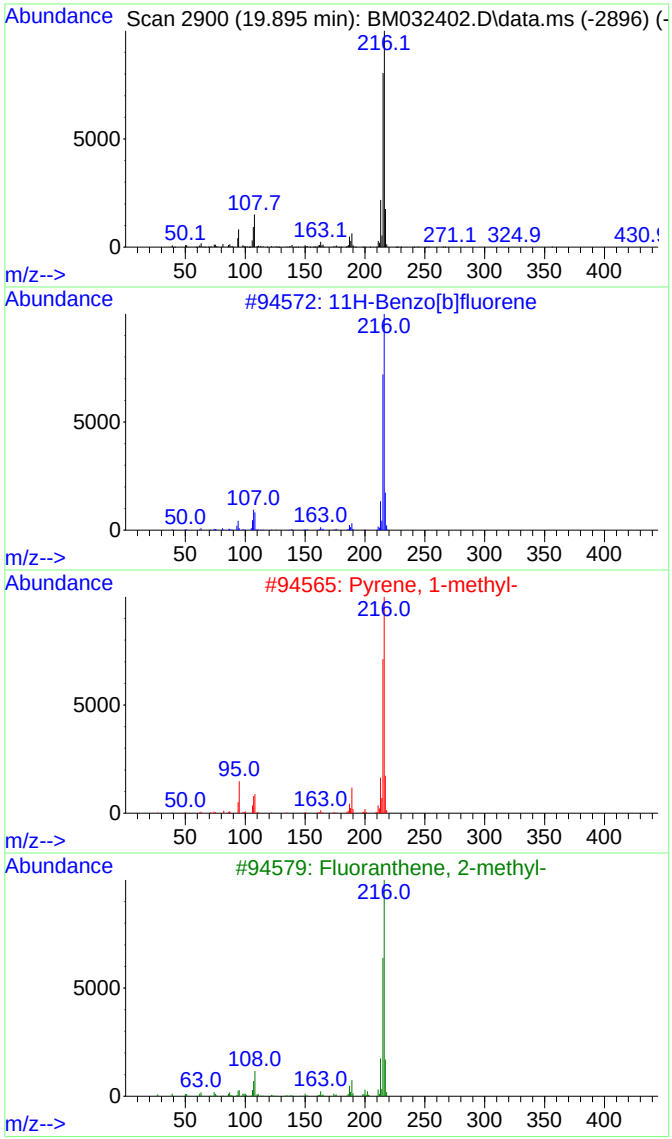
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

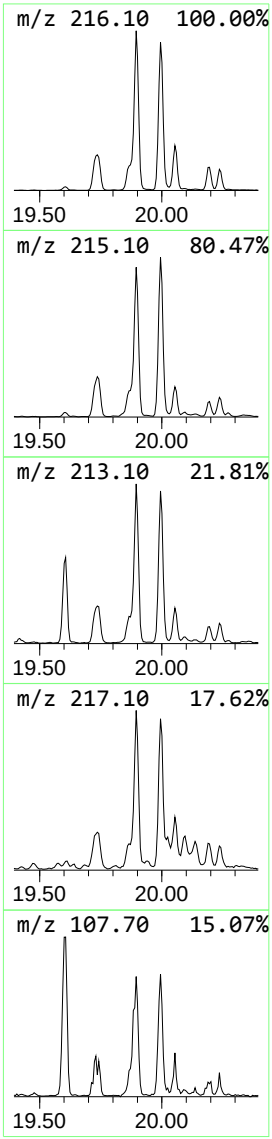
****

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.895	5.86 ng	1530760	Chrysene-d12	21.154

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

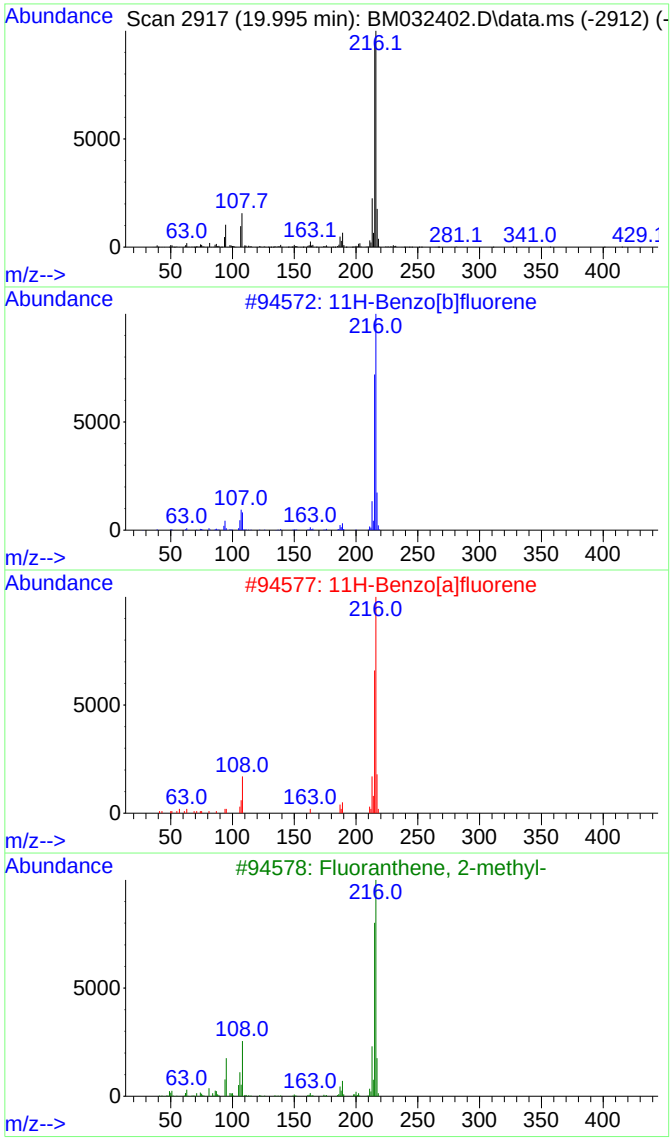
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

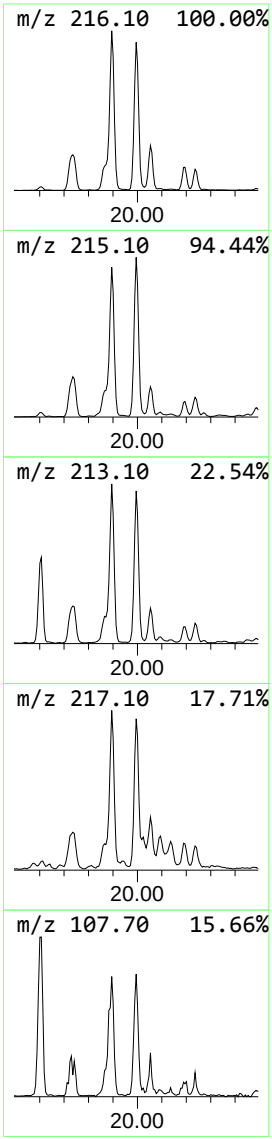
****

Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.995	5.83 ng	1525330	Chrysene-d12	21.154

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

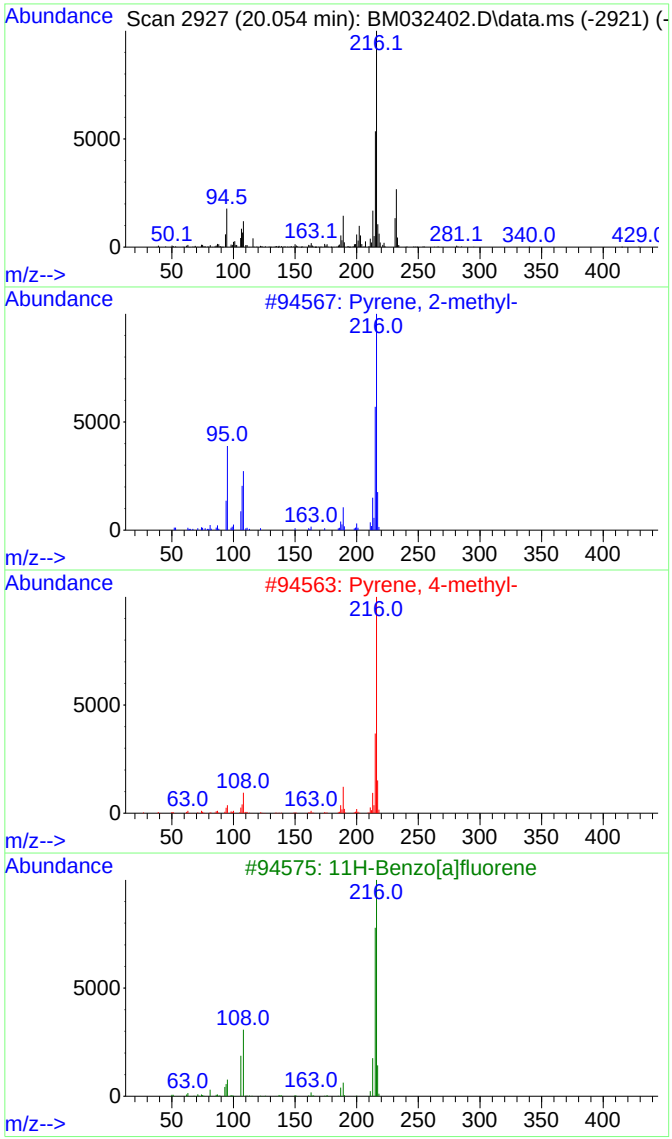
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

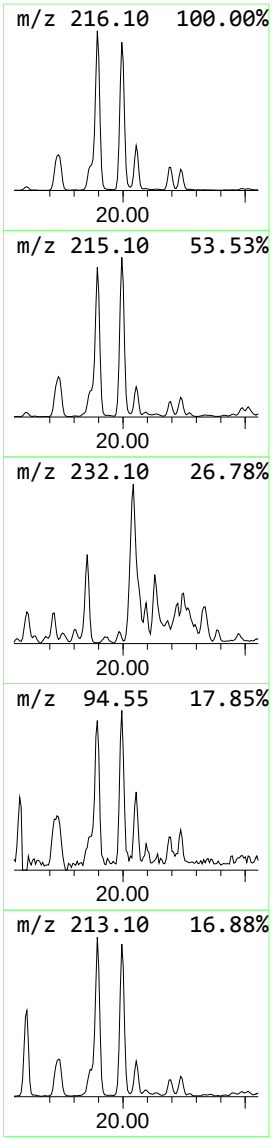
****

Peak Number 20 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.054	2.73 ng	713091	Chrysene-d12	21.154

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	62
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
Data File : BM032402.D
Acq On : 08 Oct 2021 20:32
Operator : CG/JU
Sample : M4136-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indane	7.996	4.8	ng	670211	1	7.613	2784790	20.0
Ethanol, 2-(2-b...	10.178	3.5	ng	694803	2	10.401	3975300	20.0
Naphthalene, 2-...	13.283	3.1	ng	846861	3	14.260	5510170	20.0
Naphthalene, 2,...	13.419	3.5	ng	965146	3	14.260	5510170	20.0
Naphthalene, 2,...	13.583	7.1	ng	1958360	3	14.260	5510170	20.0
Naphthalene, 1,...	13.630	4.4	ng	1206660	3	14.260	5510170	20.0
Nordiphenamid	15.466	4.6	ng	1265000	3	14.260	5510170	20.0
[1,1'-Biphenyl]...	15.601	5.6	ng	1540590	3	14.260	5510170	20.0
9H-Fluorene, 2-...	16.301	6.3	ng	1462380	4	16.989	4682500	20.0
4-(4-Methylphen...	16.724	3.0	ng	710435	4	16.989	4682500	20.0
Dibenzothiophene	16.807	7.0	ng	1650570	4	16.989	4682500	20.0
Phenanthrene, 2...	17.860	8.7	ng	2037580	4	16.989	4682500	20.0
Phenanthrene, 1...	17.907	9.9	ng	2321310	4	16.989	4682500	20.0
1H-Cyclopropa[l...	17.983	3.4	ng	786460	4	16.989	4682500	20.0
4H-Cyclopenta[d...	18.054	16.4	ng	3852060	4	16.989	4682500	20.0
Naphthalene, 2-...	18.354	4.9	ng	1156460	4	16.989	4682500	20.0
Fluoranthene, 2...	19.724	3.2	ng	827533	5	21.154	5228380	20.0
11H-Benzo[b]flu...	19.895	5.9	ng	1530760	5	21.154	5228380	20.0
11H-Benzo[a]flu...	19.995	5.8	ng	1525330	5	21.154	5228380	20.0
Pyrene, 2-methyl-	20.054	2.7	ng	713091	5	21.154	5228380	20.0