LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-20-14.5-15.0

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-BM043021.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM029731.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.193	386	392	403	rBV	742490	1068574	3.87%	0.561%
2	6.781	651	662	678	rBV	613918	1122201	4.06%	0.589%
3	7.098	711	716	727	rBV	291620	429115	1.55%	0.225%
4	7.369	756	762	775	rVB2	198944	365776	1.32%	0.192%
5	7.593	793	800	811	rBV	214444	354419	1.28%	0.186%
6	7.957	855	862	873	rBV	752974	1155955	4.18%	0.607%
7	8.745	990	996	1005	rVB	450888	776394	2.81%	0.408%
8	9.775	1164	1171	1181	rBV4	132971	352583	1.28%	0.185%
9	10.369	1263	1272	1275	rBV	265500	457897	1.66%	0.241%
10	10.422	1275	1281	1289	rVB	2128297	3423488	12.39%	1.798%
11	12.051	1547	1558	1564	rBV	6119795	10059593	36.40%	5.284%
12	12.169	1571	1578	1584	rBV	981019	1639036	5.93%	0.861%
13	12.269	1584	1595	1604	rVB	2891519	4551035	16.47%	2.391%
14	12.851	1688	1694	1705	rVB	1184260	1825496	6.61%	0.959%
15	13.069	1724	1731	1737	rBV	956477	1403018	5.08%	0.737%
16	13.145	1738	1744	1751	rVB	235828	394672	1.43%	0.207%
17	13.263	1758	1764	1772	rBV	312019	533581	1.93%	0.280%
18	13.416	1778	1790	1798	rBV	598008	1576248	5.70%	0.828%
19	13.557	1804	1814	1819	rBV	1009764	2001531	7.24%	1.051%
20	13.610	1819	1823	1833	rVB	620781	960004	3.47%	0.504%
21	13.769	1843	1850	1852	rBV	382215	579510	2.10%	0.304%
22	13.792	1852	1854	1858	rVV	357846	500451	1.81%	0.263%
23	13.957	1872	1882	1888	rBV	366570	572711	2.07%	0.301%
24	14.222	1921	1927	1929	rBV	521446	835626	3.02%	0.439%
25	14.310	1935	1942	1949	rBV	5133485	7391033	26.75%	3.882%
26	14.374	1949	1953	1959	rVB	296222	411685	1.49%	0.216%
27	14.445	1959	1965	1974	rBV3	125236	319502	1.16%	0.168%
28	14.551	1974	1983	1988	rVV3	235162	441170	1.60%	0.232%
29	14.645	1993	1999	2006	rVB	4772626	6707258	24.27%	3.523%
30	14.721	2007	2012	2019	rVB	232295	343527	1.24%	0.180%
31	14.863	2022	2036	2041	rBV3	263056	640433	2.32%	0.336%
32	14.916	2041	2045	2057	rVB4	276099	547205	1.98%	0.287%
33	15.033	2057	2065	2068	rBV3	175677	387302	1.40%	0.203%
34	15.298	2103	2110	2120	rBV	6706289	10063984	36.42%	5.287%
35	15.386	2120	2125	2127	rBV	288255	418333	1.51%	0.220%
36	15.416	2127	2130	2133	rVV	405099	600222	2.17%	0.315%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-20-14.5-15.0

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-BM043021.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.451	2133	2136	2141	rVV	778699	1186768	4.29%	0.623%
38	15.504	2141	2145	2147	rVV2	207496	329582	1.19%	0.173%
39	15.539	2147	2151	2154	rVV	357841	540958	1.96%	0.284%
40	15.586	2154	2159	2170	rVV	1177515	1705738	6.17%	0.896%
41	15.733	2170	2184	2191	rVV	2510272	4427500	16.02%	2.326%
42	15.798	2191	2195	2204	rVB2	369416	822579	2.98%	0.432%
43	16.086	2237	2244	2251	rBV3	261984	486865	1.76%	0.256%
44	16.292	2268	2279	2284	rBV3	845639	1796980	6.50%	0.944%
45	16.345	2284	2288	2293	rVB2	255024	362101	1.31%	0.190%
46	16.445	2299	2305	2310	rVB2	328066	537551	1.95%	0.282%
47	16.521	2315	2318	2321	rVV	245984	337216	1.22%	0.177%
48	16.563	2321	2325	2329	rVB2	279502	366400	1.33%	0.192%
49	16.721	2346	2352	2358	rBV2	380811	748912	2.71%	0.393%
50	16.804	2358	2366	2377	rVB	1414665	2259968	8.18%	1.187%
51	16.992	2393	2398	2399	rBV	479253	636200	2.30%	0.334%
52	17.051	2399	2408	2412	rVV	15919415	27633774	100.00%	14.516%
53	17.092	2412	2415	2416	rVV	259819	294921	1.07%	0.155%
54	17.121	2416	2420	2425	rVB	2585959	3434021	12.43%	1.804%
55	17.180	2425	2430	2437	rBV	710737	1137212	4.12%	0.597%
56	17.362	2455	2461	2463	rBV	550670	807479	2.92%	0.424%
57	17.392	2463	2466	2471	rVB	1575282	2121158	7.68%	1.114%
58	17.504	2479	2485	2491	rBV3	369790	654714	2.37%	0.344%
59	17.557	2491	2494	2504	rVB4	262345	548162	1.98%	0.288%
60	17.862	2536	2546	2549	rBV	1607411	2537513	9.18%	1.333%
61	17.910	2549	2554	2561	rVB	2412324	3443595	12.46%	1.809%
62	17.992	2561	2568	2573	rBV	803635	1237574	4.48%	0.650%
63	18.057	2573	2579	2583	rVV2	3083572	4891851	17.70%	2.570%
64	18.092	2583	2585	2590	rVV	687278	781286	2.83%	0.410%
65	18.162	2591	2597	2602	rVV4	151226	384769	1.39%	0.202%
66	18.362	2627	2631	2636	rVB	1071404	1400608	5.07%	0.736%
67	18.615	2670	2674	2678	rVB3	209603	292420	1.06%	0.154%
68	18.662	2678	2682	2685	rBV	226853	284993	1.03%	0.150%
69	18.786	2697	2703	2708	rBV2	400084	739490	2.68%	0.388%
70	18.851	2709	2714	2717	rBV2	233852	340534	1.23%	0.179%
71	19.062	2742	2750	2754	rBV	11355539	16277990	58.91%	8.551%
72	19.109	2754	2758	2762	rVV2	439344	610084	2.21%	0.320%
73	19.292	2783	2789	2794	rBV2	272572	453091	1.64%	0.238%
74	19.415	2800	2810	2818	rBV2	7098887	13457465	48.70%	7.069%
75	19.486	2818	2822	2829	rVB3	399348	645533	2.34%	0.339%
76	19.592	2835	2840	2841	rBV	465209	568153	2.06%	0.298%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-20-14.5-15.0

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-BM043021.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.621	2841	2845	2848	rVB	2364939	2867170	10.38%	1.506%
78	19.656	2848	2851	2855	rVB	346819	440210	1.59%	0.231%
79	19.733	2858	2864	2865	rBV	380393	578848	2.09%	0.304%
80	19.798	2871	2875	2879	rBV2	265851	402028	1.45%	0.211%
81	19.868	2882	2887	2890	rVV2	775753	1161739	4.20%	0.610%
82	19.909	2890	2894	2899	rVB	1440792	1864264	6.75%	0.979%
83	20.009	2906	2911	2915	rBV	1686995	2138301	7.74%	1.123%
84	20.068	2915	2921	2925	rVV2	526569	1020500	3.69%	0.536%
85	20.251	2948	2952	2957	rVV3	208661	300110	1.09%	0.158%
86	20.615	3010	3014	3019	rBV	184312	342947	1.24%	0.180%
87	20.821	3045	3049	3052	rBV2	290459	431610	1.56%	0.227%
88	20.856	3052	3055	3058	rVV	400688	476775	1.73%	0.250%
89	20.898	3058	3062	3067	rVB3	499854	738535	2.67%	0.388%
90	21.156	3097	3106	3111	rBV3	2532867	4577672	16.57%	2.405%
91	21.209	3111	3115	3123	rVB	1515200	2090234	7.56%	1.098%
92	21.321	3130	3134	3141	rBV	363810	555438	2.01%	0.292%
93	21.480	3157	3161	3166	rVB2	197178	329289	1.19%	0.173%
94	22.697	3362	3368	3372	rBV	550288	1200208	4.34%	0.630%
95	23.156	3442	3446	3453	rVB	231238	410295	1.48%	0.216%
96	23.244	3457	3461	3468	rVB	414214	736872	2.67%	0.387%
97	23.339	3473	3477	3483	rVB2	560149	971045	3.51%	0.510%

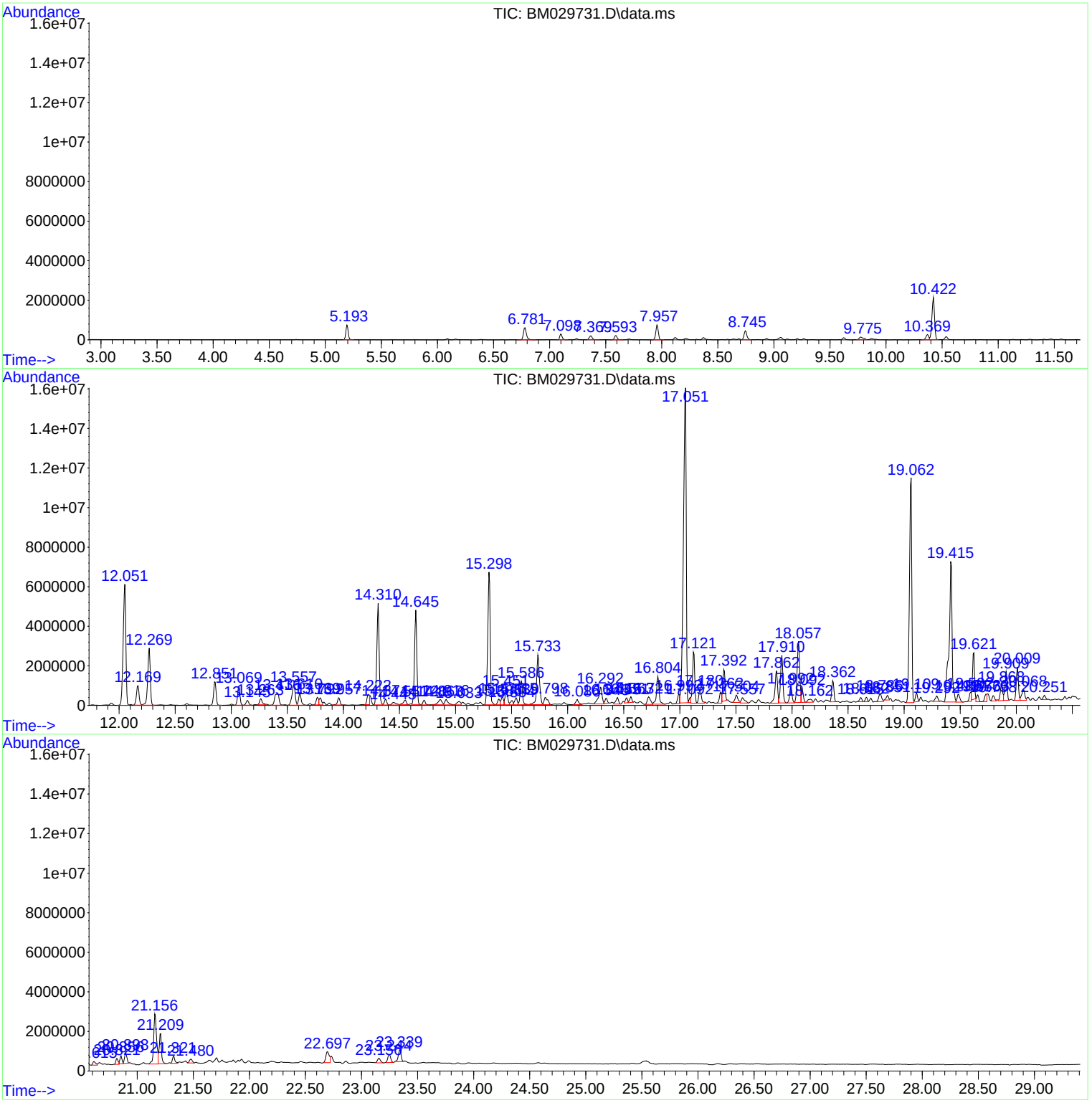
Sum of corrected areas: 190368366

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
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Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

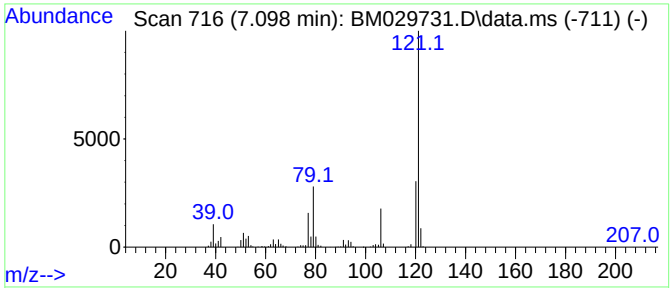
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

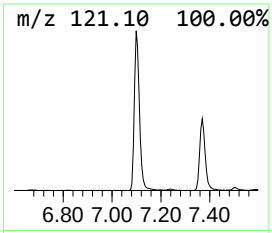
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

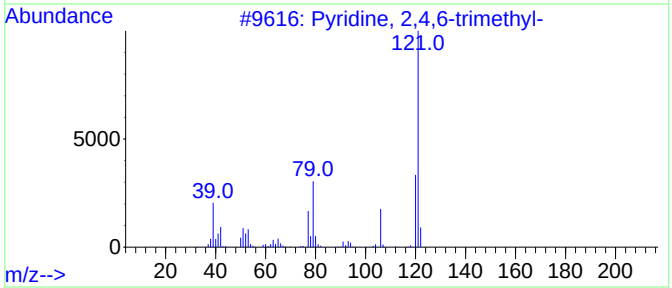
****
Peak Number 1 Pyridine, 2,4,6-trimethyl- Concentration Rank 17

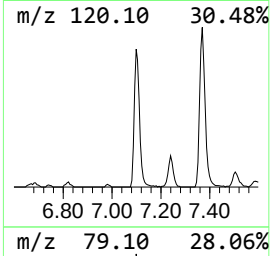
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.098	24.22 ng	429115	1,4-Dichlorobenzene-d4	7.593

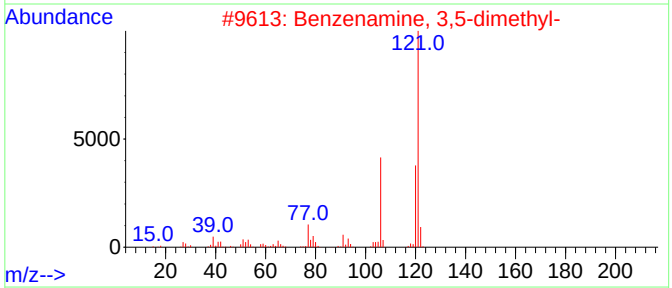
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,4,6-trimethyl-	121	C8H11N	000108-75-8	94
2	Benzenamine, 3,5-dimethyl-	121	C8H11N	000108-69-0	87
3	(Dimethylaminomethylene)malononi...	121	C6H7N3	016849-88-0	72
4	Pyridine, 2,3,6-trimethyl-	121	C8H11N	001462-84-6	64
5	Benzenamine, 3,4-dimethyl-	121	C8H11N	000095-64-7	58

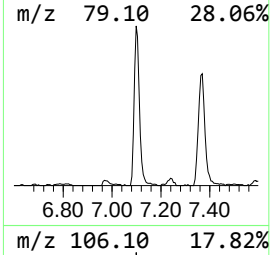


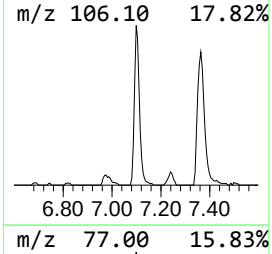


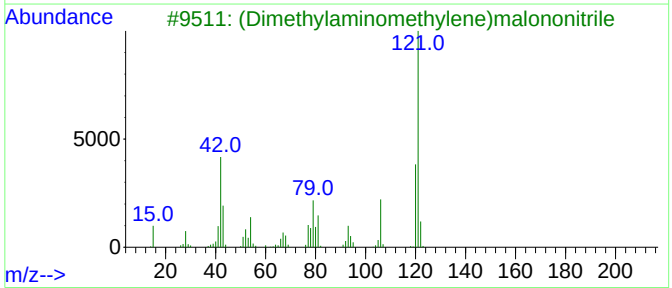


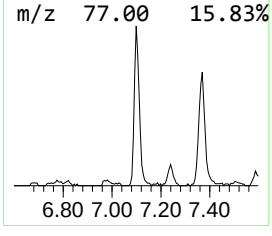












Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

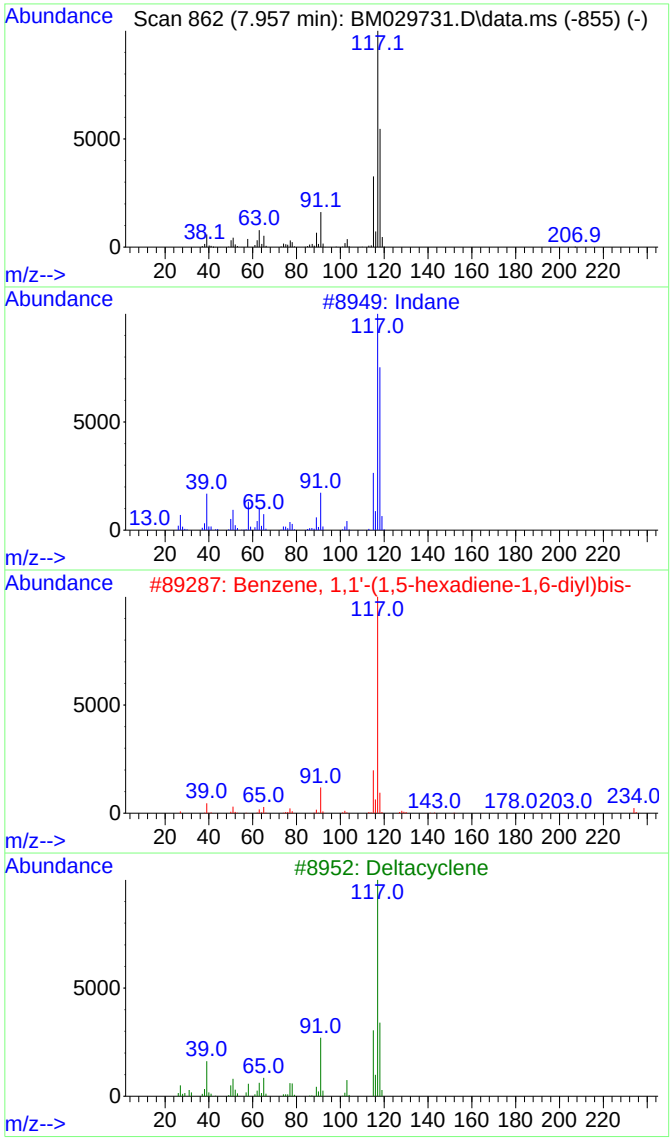
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

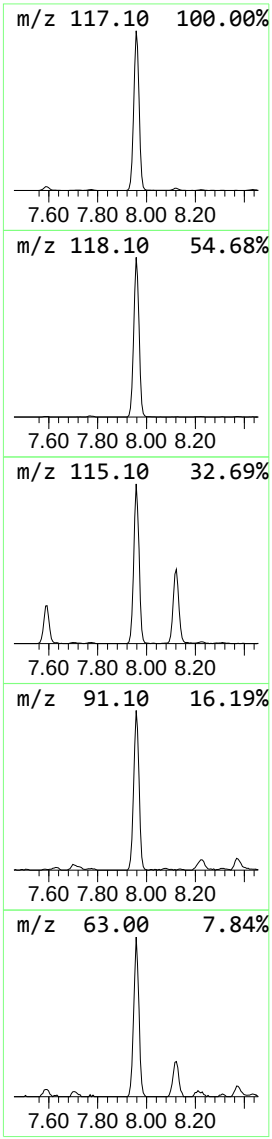
****

Peak Number 2 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.957	65.23 ng	1155960	1,4-Dichlorobenzene-d4	7.593

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
3	Deltacyclene	118	C9H10	007785-10-6	53
4	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	53
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

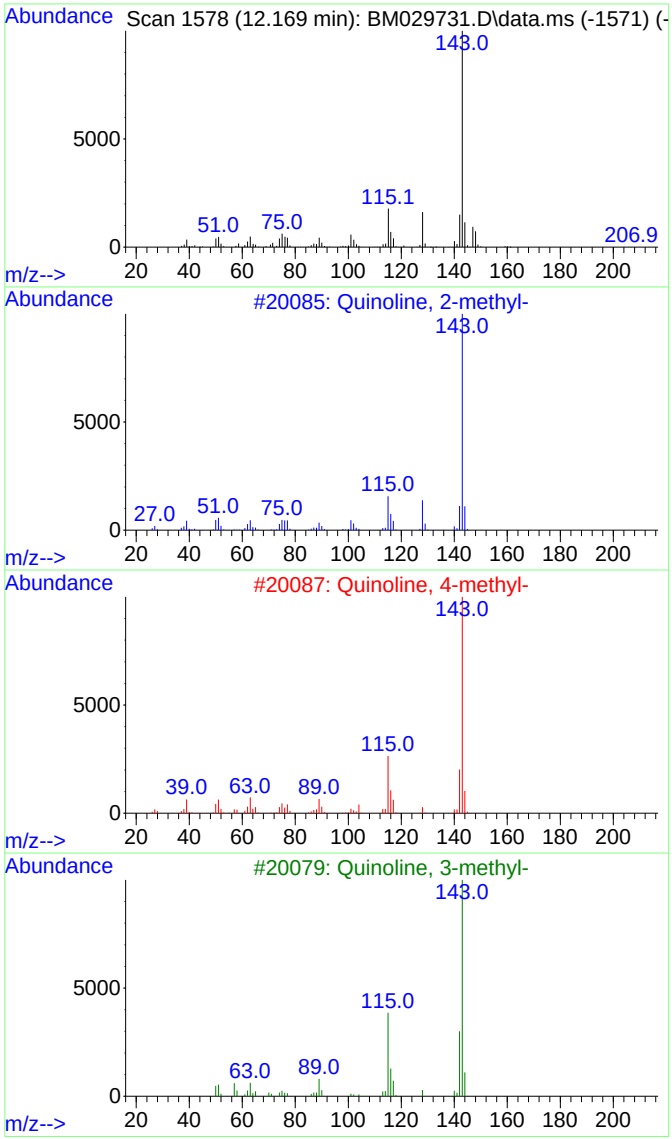
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

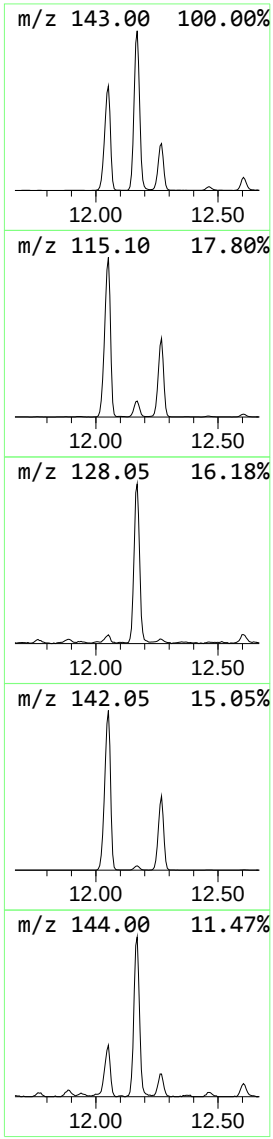
****

Peak Number 3 Quinoline, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.169	71.59 ng	1639040	Naphthalene-d8	10.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2-methyl-	143	C10H9N	000091-63-4	95
2	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	87
3	Quinoline, 3-methyl-	143	C10H9N	000612-58-8	76
4	2-Naphthalenamine	143	C10H9N	000091-59-8	76
5	1-Naphthalenamine	143	C10H9N	000134-32-7	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

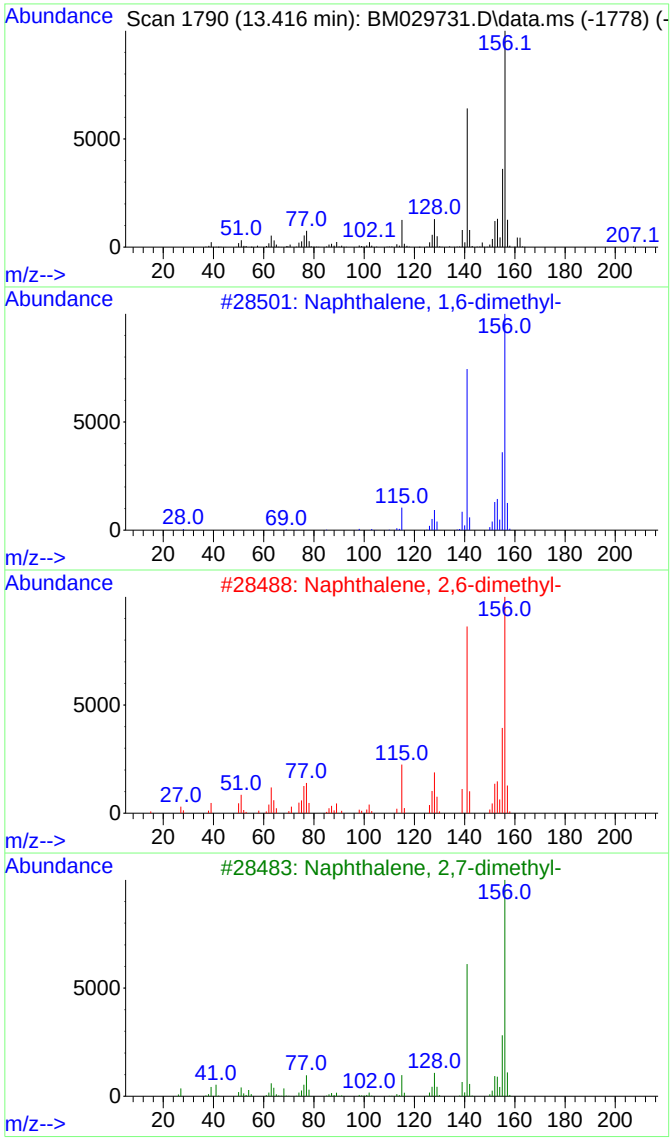
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

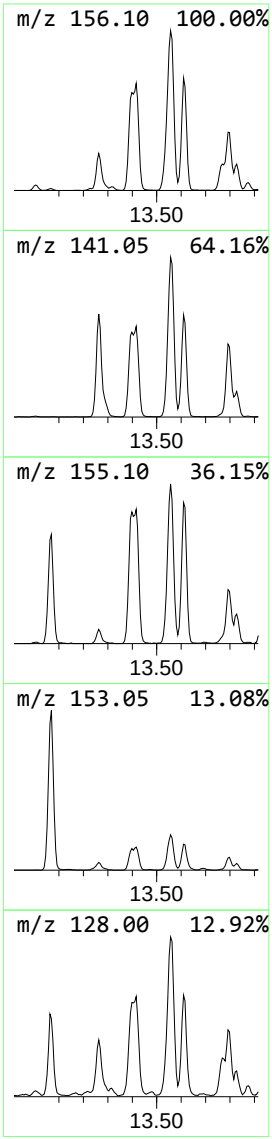
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.416	37.73 ng	1576250	Acenaphthene-d10	14.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





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Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-20-14.5-15.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

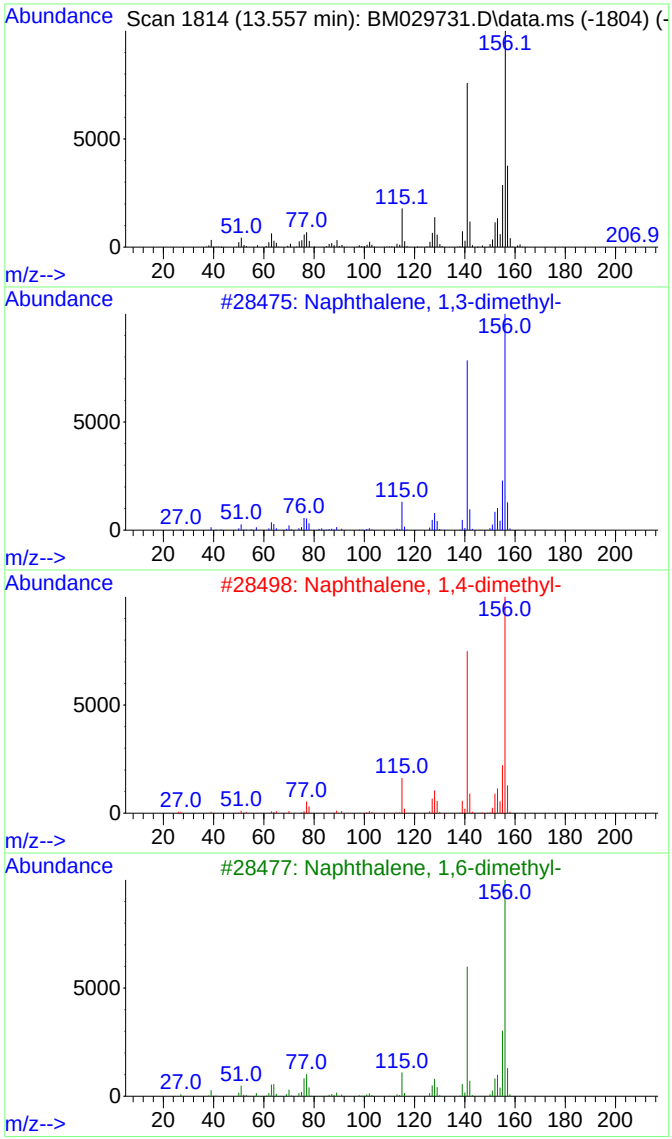
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

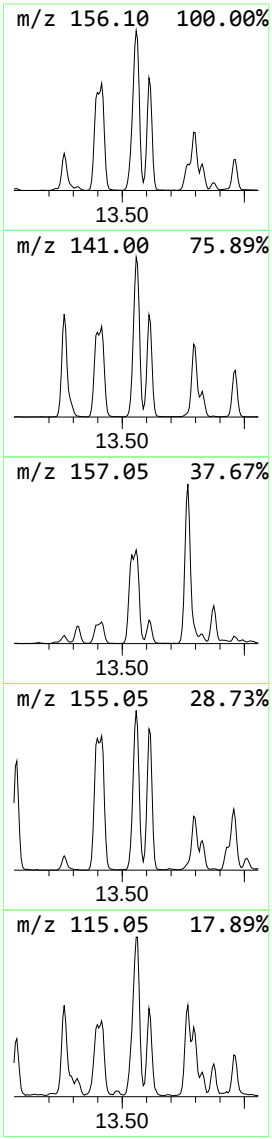
****

Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.557	47.90 ng	2001530	Acenaphthene-d10	14.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94





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Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-20-14.5-15.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

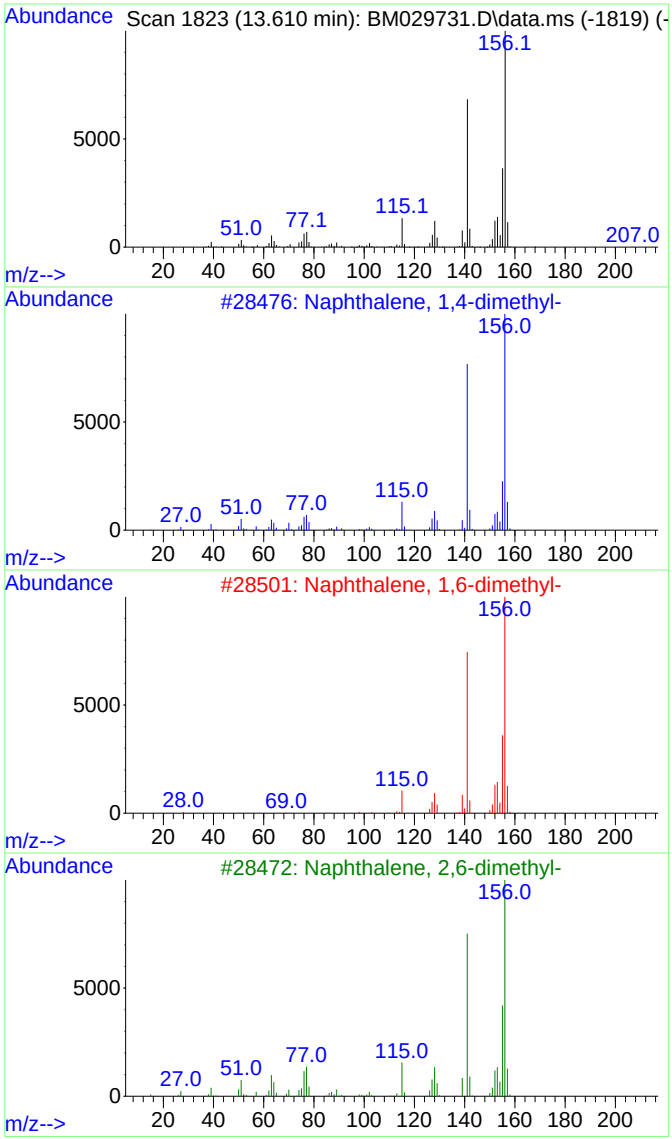
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

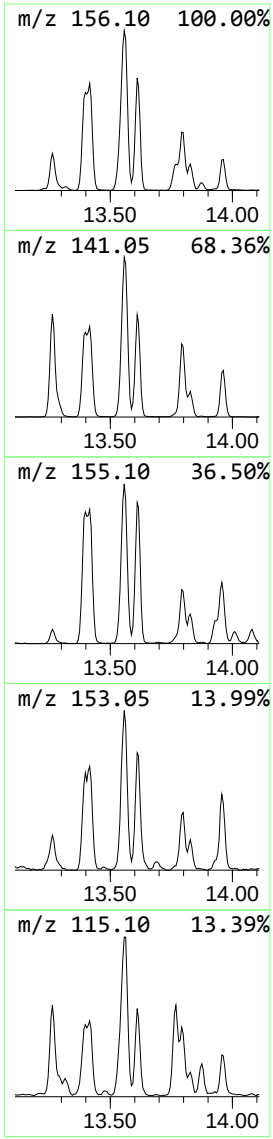
****

Peak Number 6 Naphthalene, 1,4-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.610	22.98 ng	960004	Acenaphthene-d10	14.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





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Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

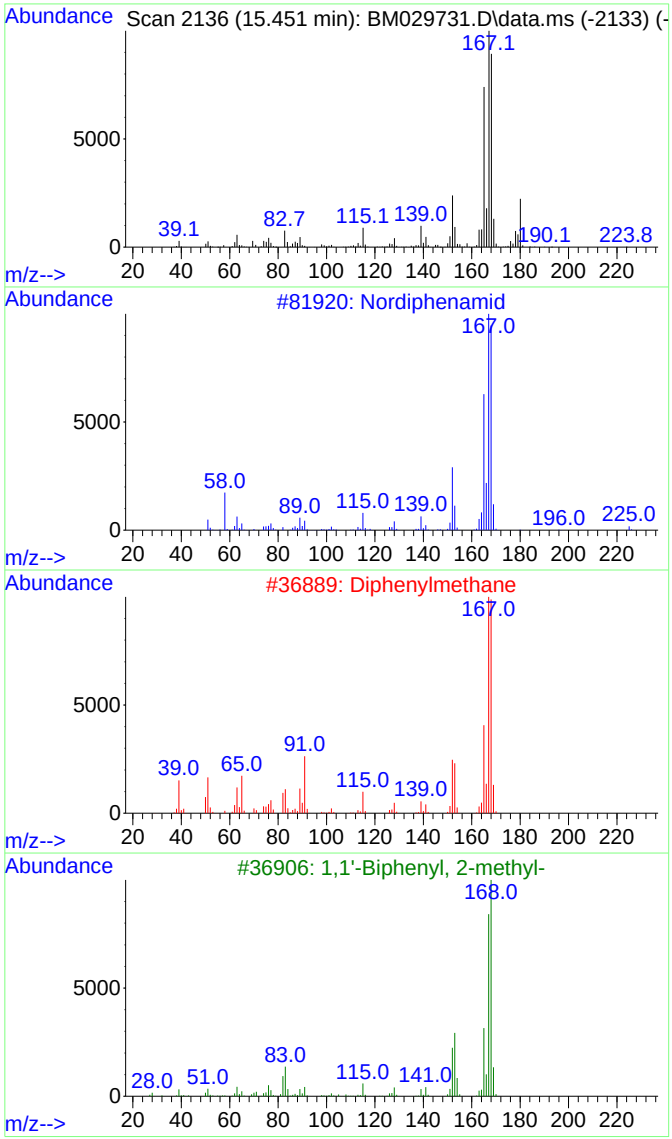
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

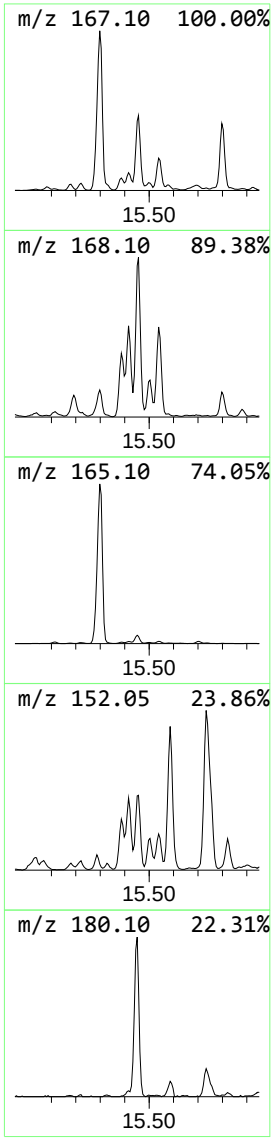
****

Peak Number 7 Nordiphenamid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.451	28.40 ng	1186770	Acenaphthene-d10	14.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	90
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	49
5	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	47





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Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

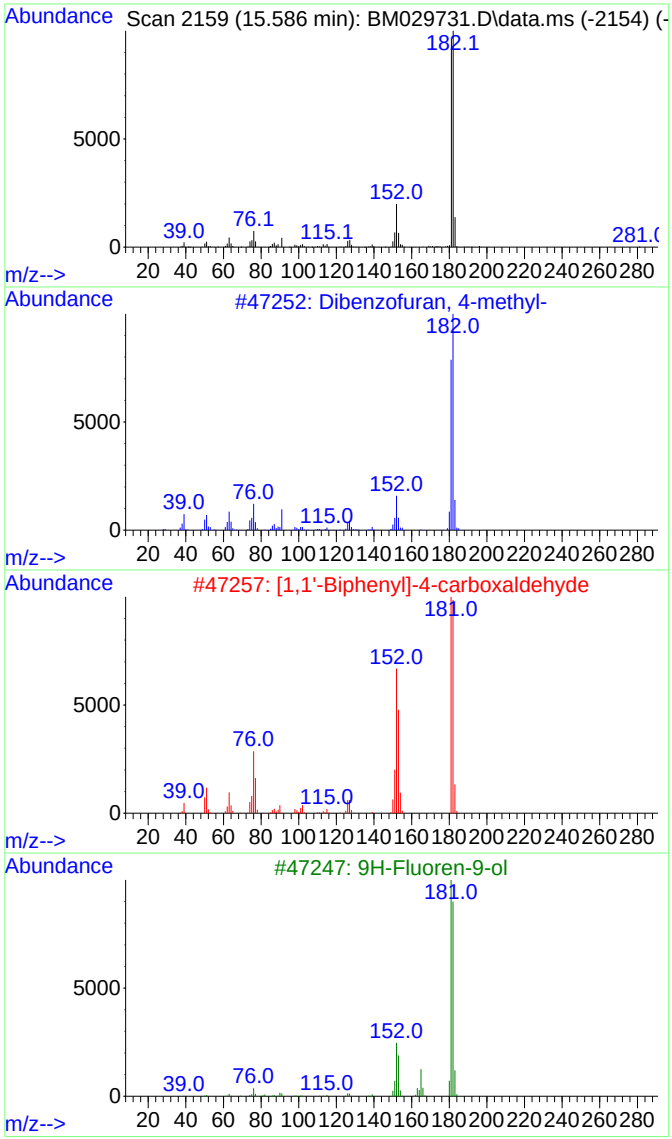
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

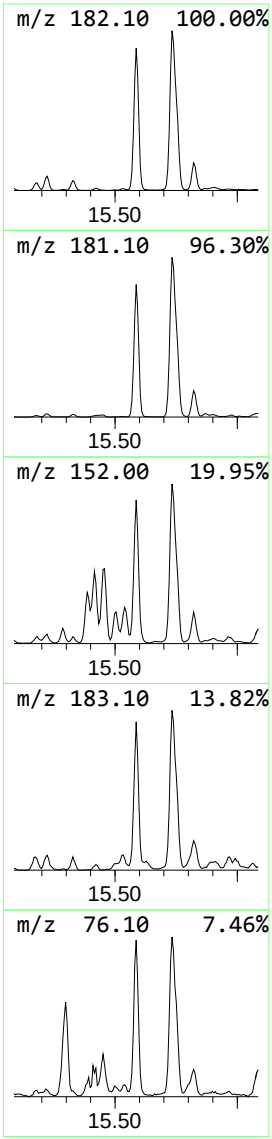
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.586	40.83 ng	1705740	Acenaphthene-d10	14.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

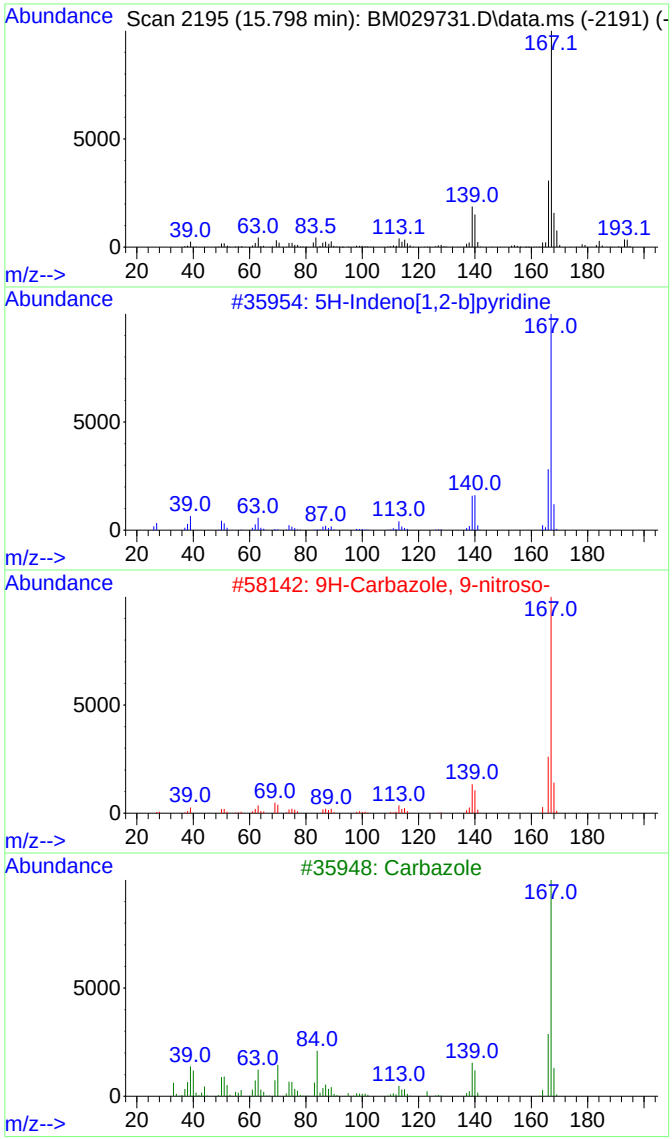
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

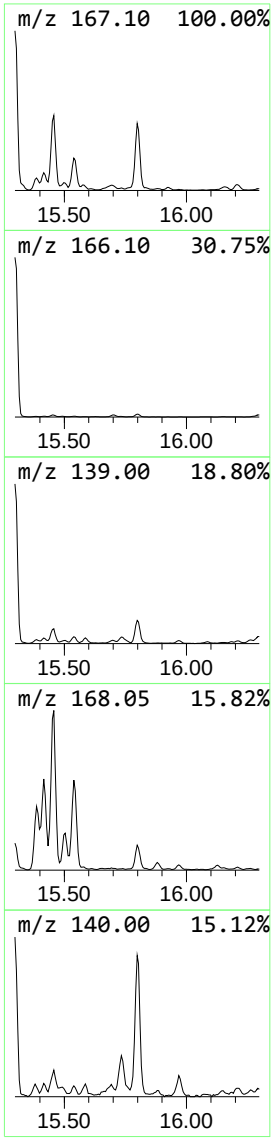
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 5H-Indeno[1,2-b]pyridine Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.798	25.86 ng	822579	Phenanthrene-d10	16.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	95
2	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	86
3	Carbazole	167	C12H9N	000086-74-8	83
4	2-Azafluorene	167	C12H9N	000244-40-6	72
5	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	68





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Acq On : 30 Apr 2021 16:10
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Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-20-14.5-15.0

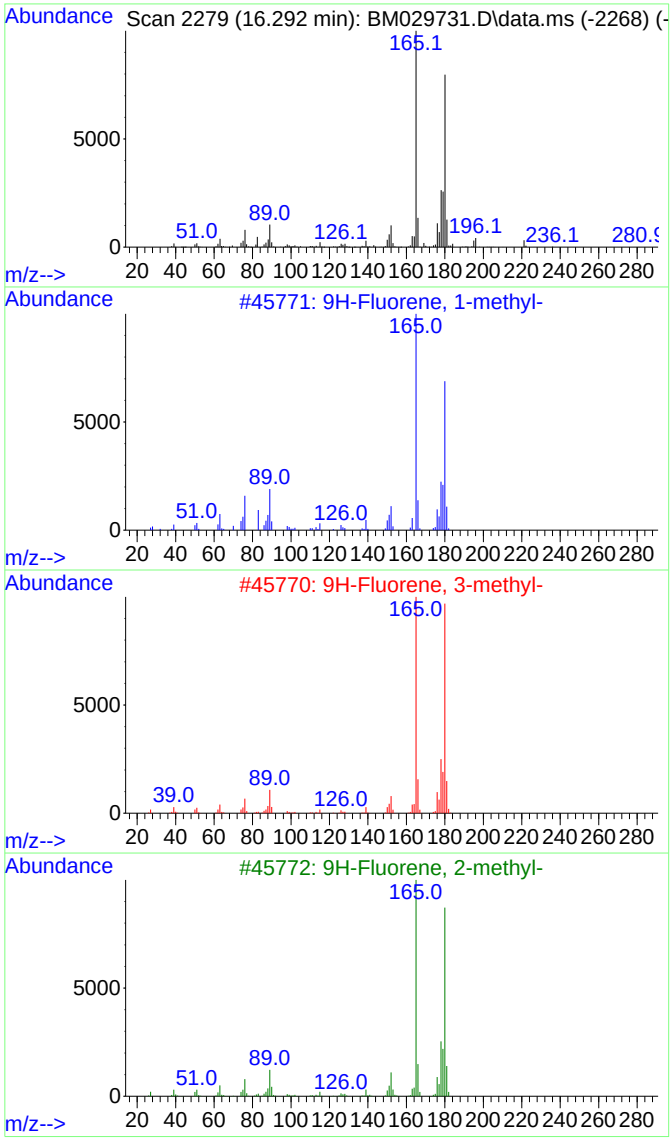
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

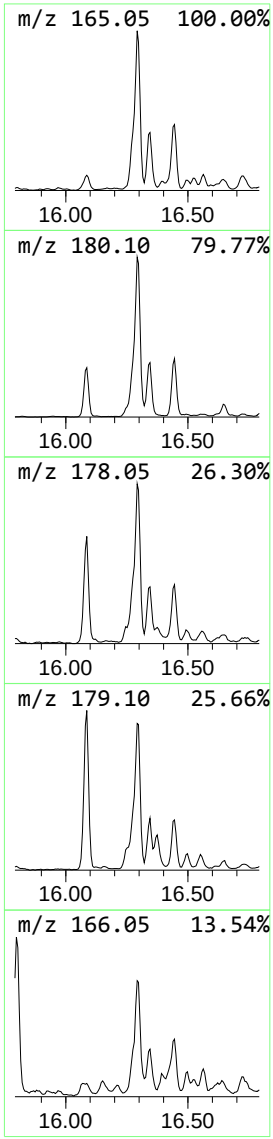
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.292	56.49 ng	1796980	Phenanthrene-d10	16.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





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Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-20-14.5-15.0

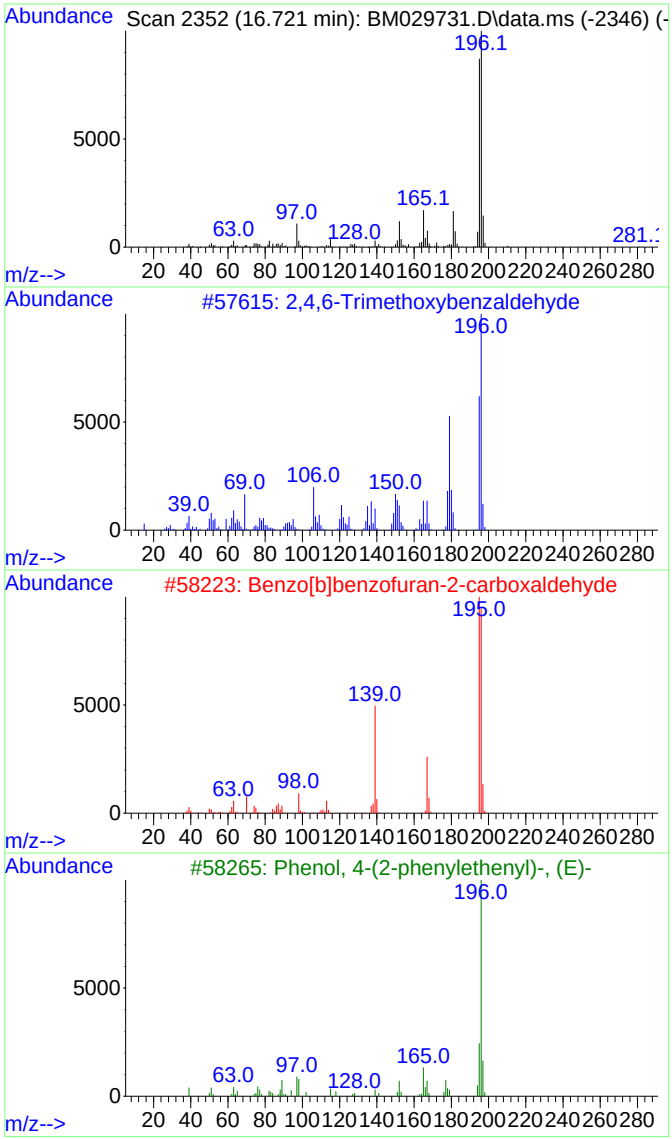
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

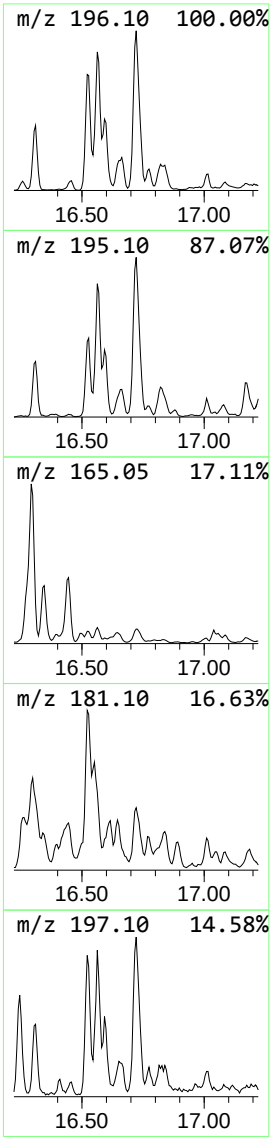
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 2,4,6-Trimethoxybenzaldehyde Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.721	23.54 ng	748912	Phenanthrene-d10	16.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	86
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	68
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	64
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	64
5	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	50





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Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-20-14.5-15.0

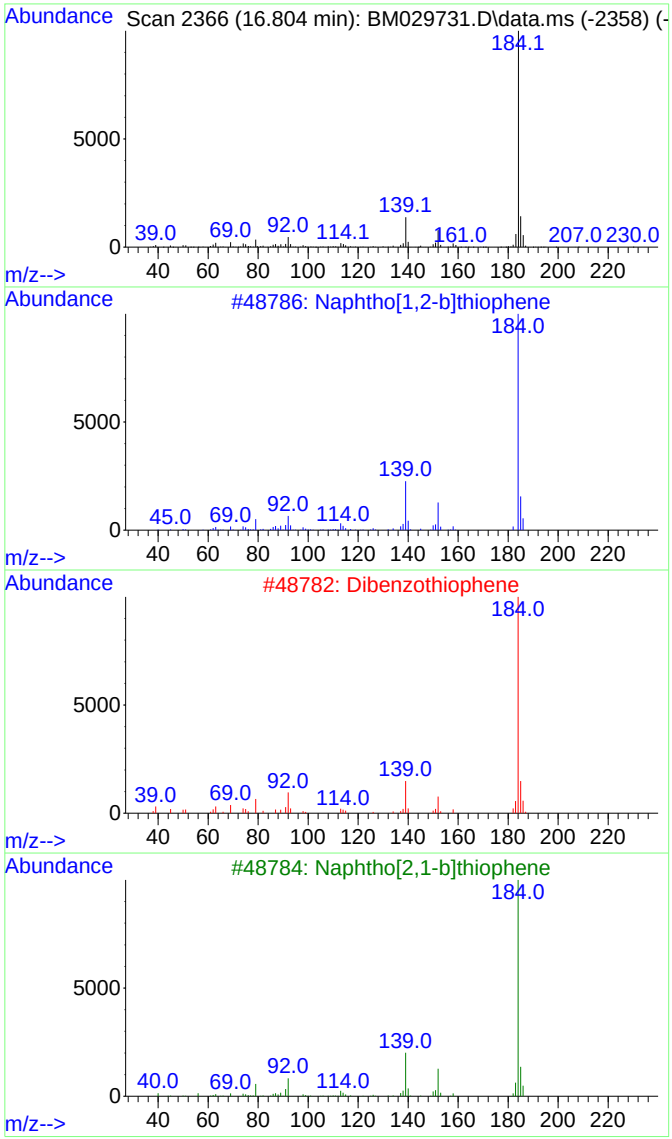
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

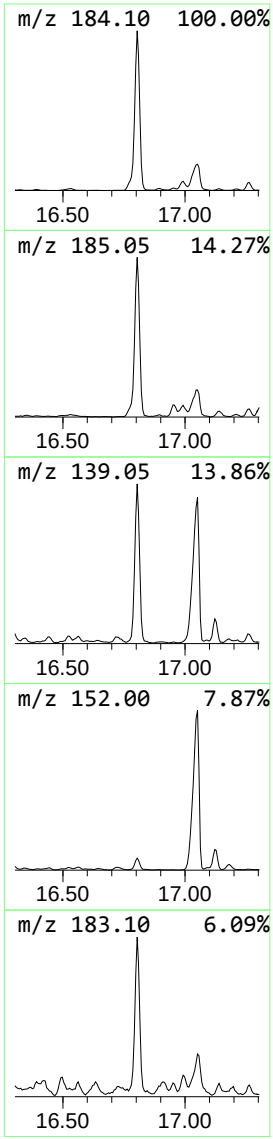
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Naphtho[1,2-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.804	71.05 ng	2259970	Phenanthrene-d10	16.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
SB-20-14.5-15.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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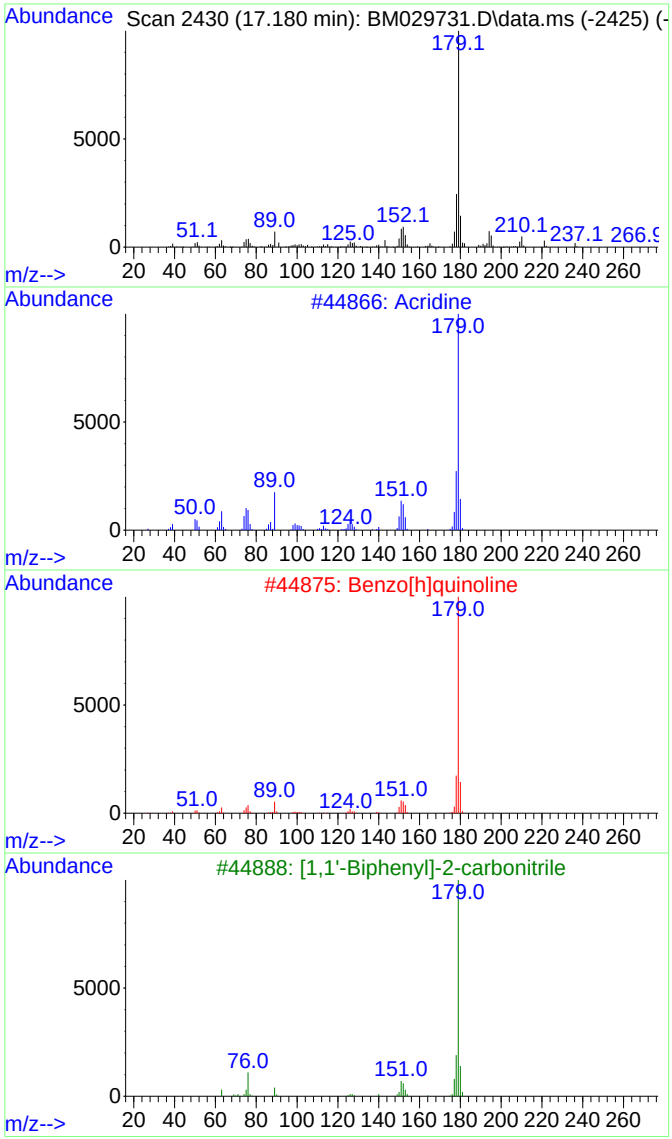
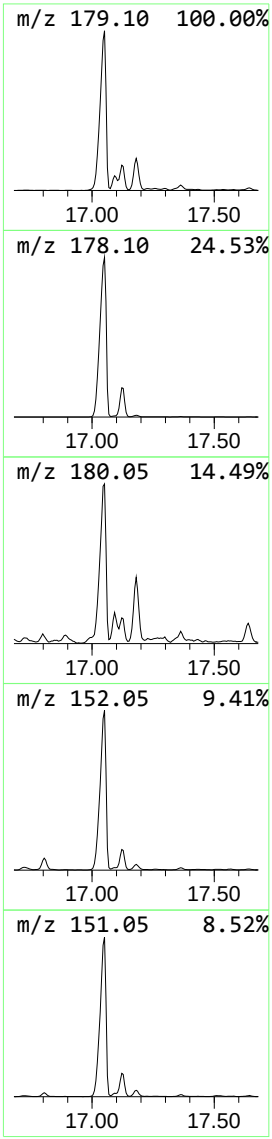
Peak Number 13 Acridine Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.180	35.75 ng	1137210	Phenanthrene-d10	16.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	94
3	[1,1'-Biphenyl]-2-carbonitrile	179	C13H9N	024973-49-7	91
4	Phenanthridine	179	C13H9N	000229-87-8	90
5	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	87





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Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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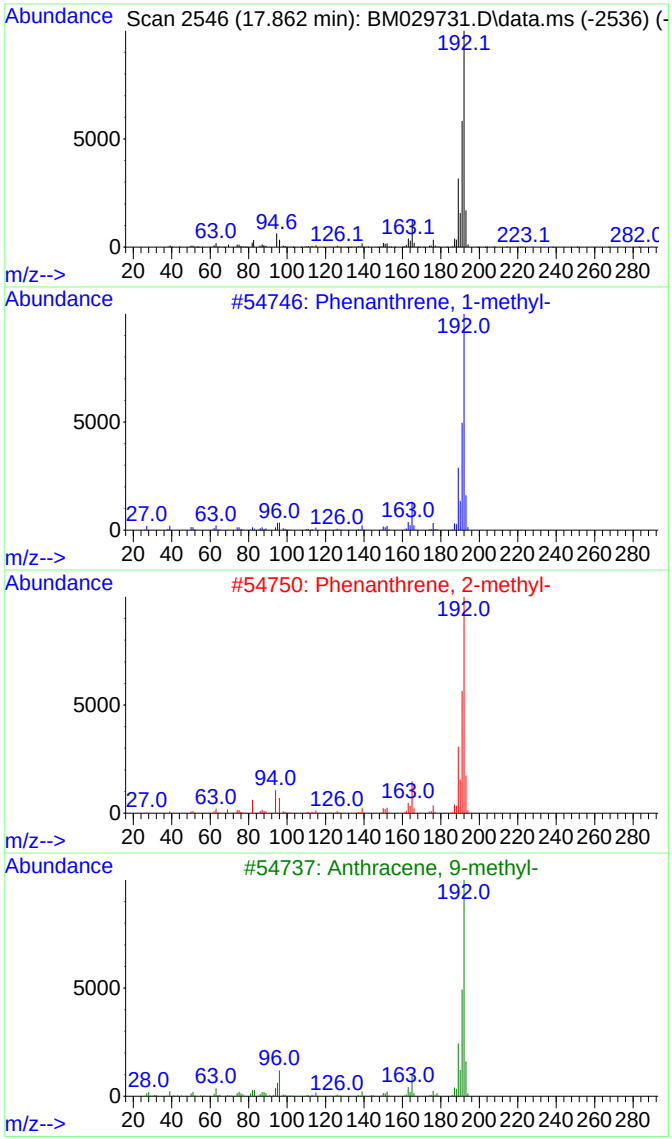
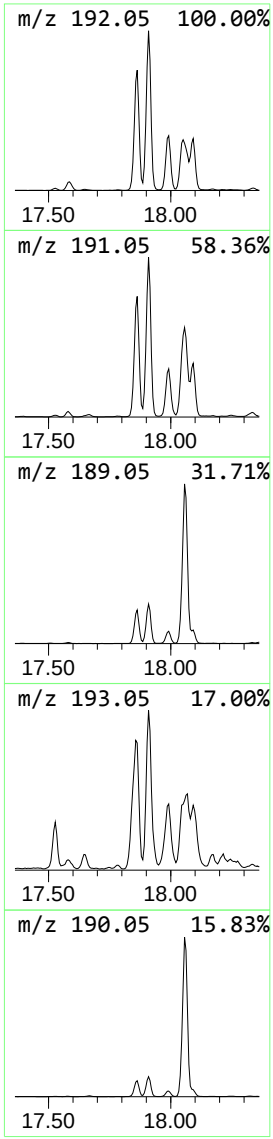
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.863	79.77 ng	2537510	Phenanthrene-d10	16.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

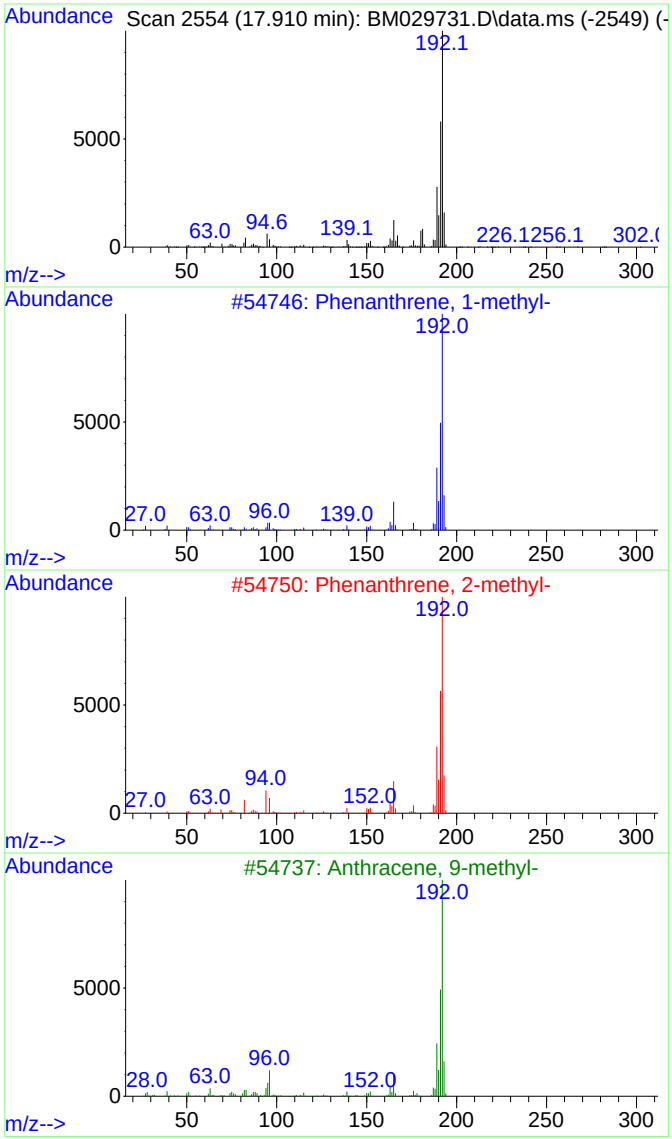
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

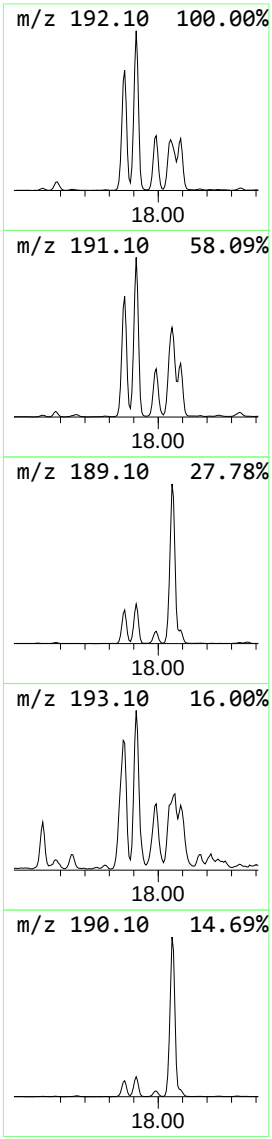
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.910	108.26 ng	3443600	Phenanthrene-d10	16.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

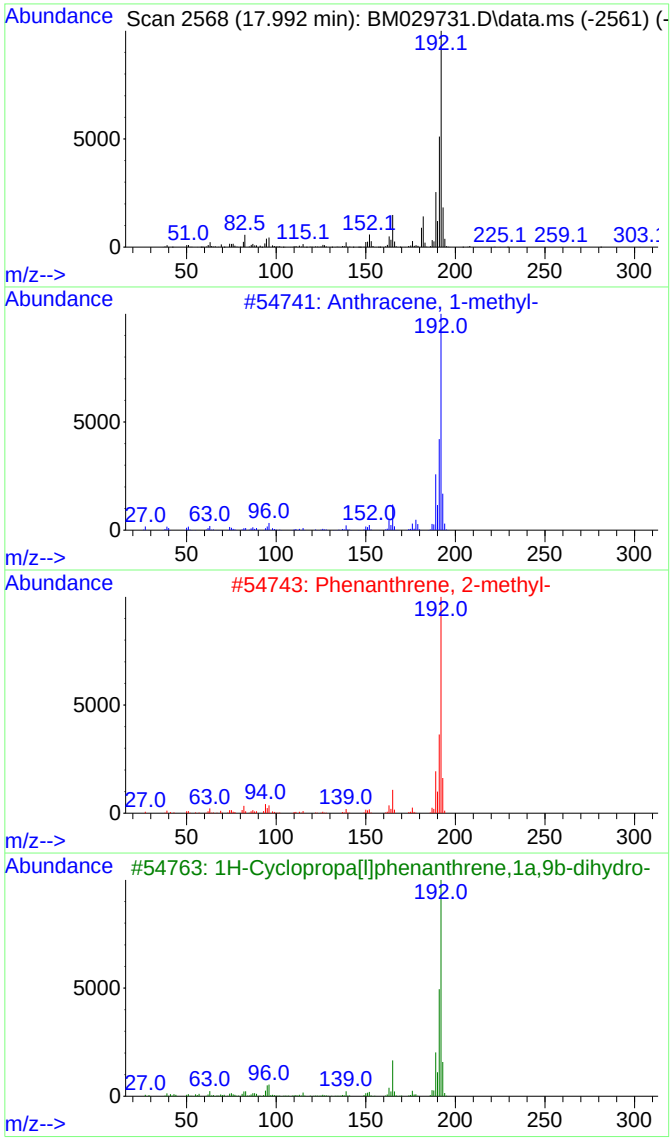
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

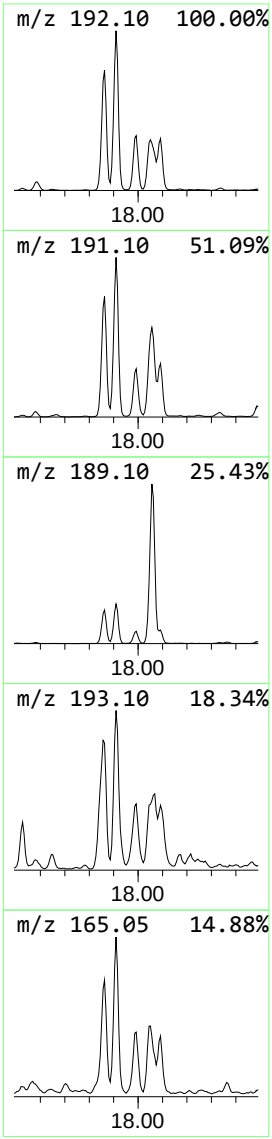
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.992	38.91 ng	1237570	Phenanthrene-d10	16.992

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

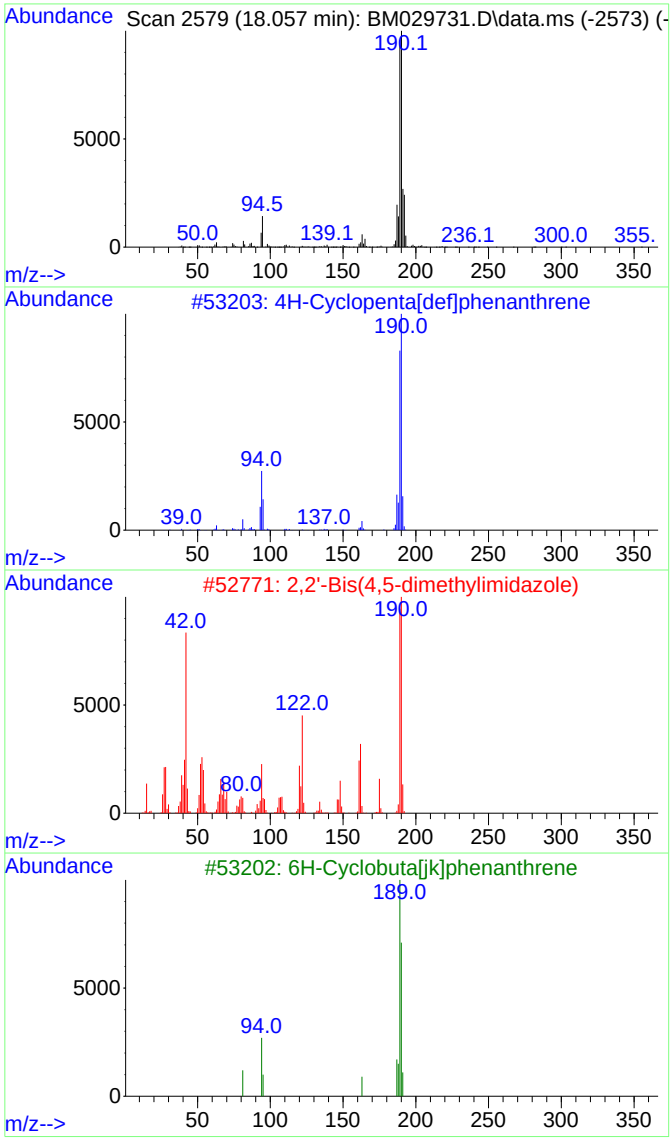
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

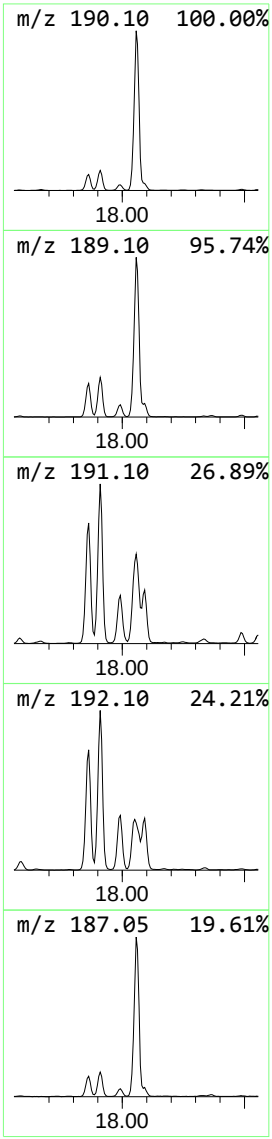
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.057	153.78 ng	4891850	Phenanthrene-d10	16.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	Methyl diselenide	190	C2H6Se2	007101-31-7	27
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

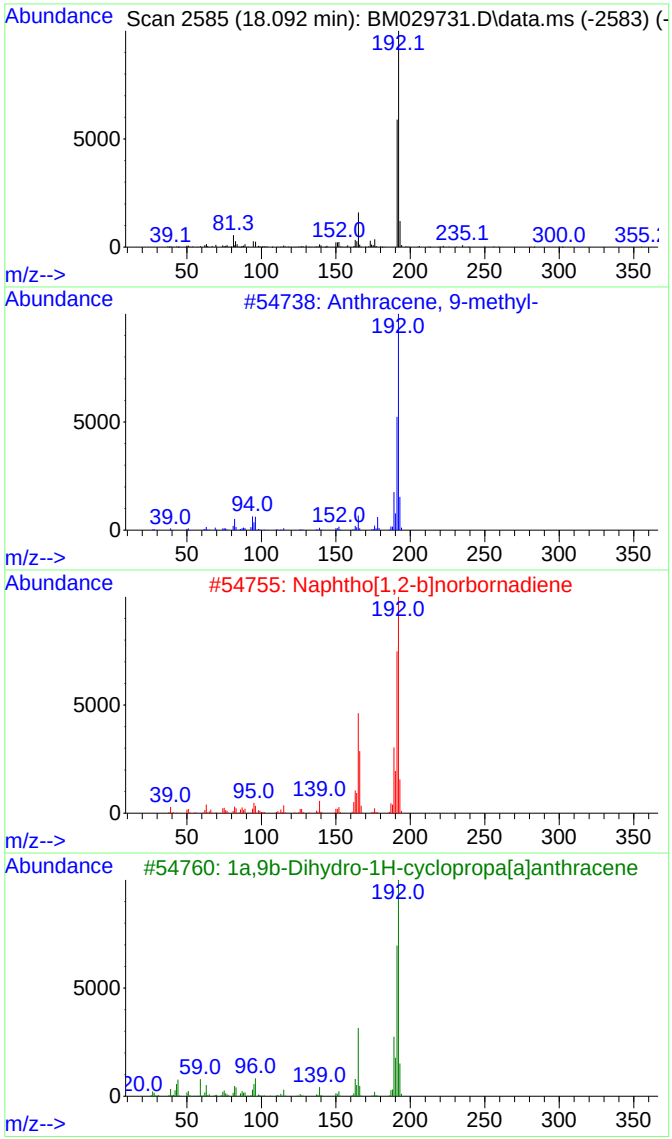
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

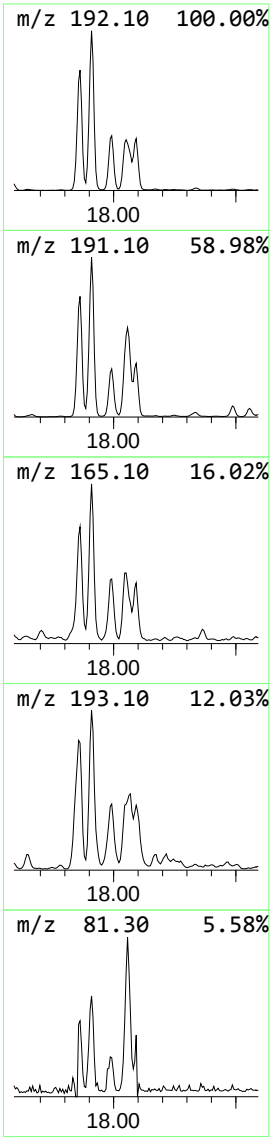
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.092	24.56 ng	781286	Phenanthrene-d10	16.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
2	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	80
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	78
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	74
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74





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Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

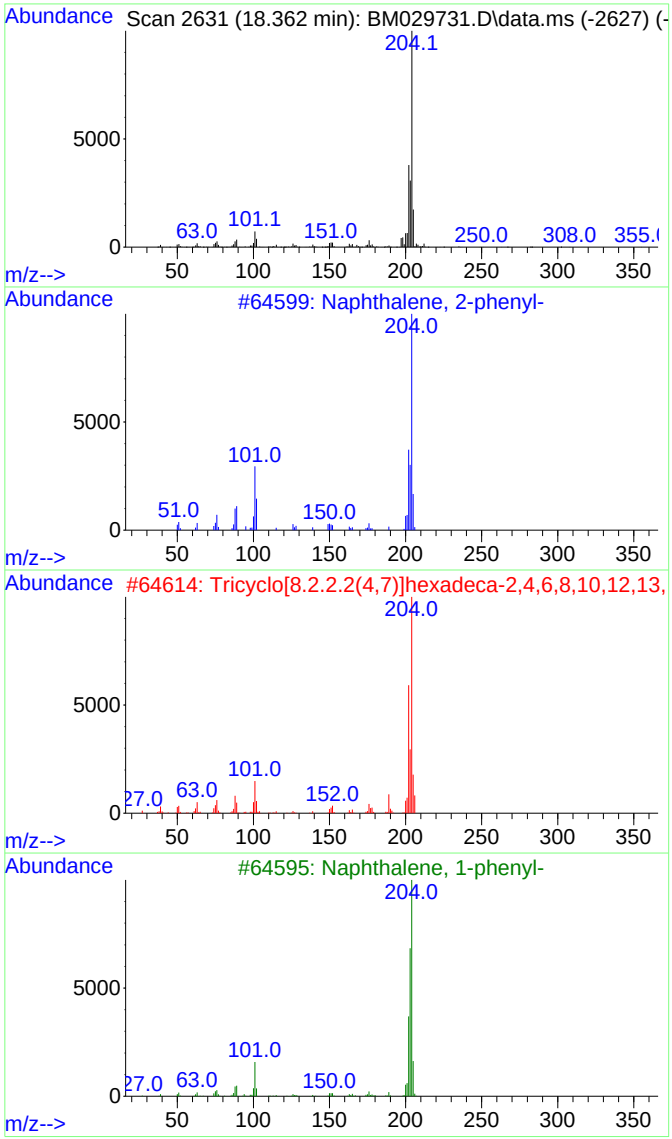
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

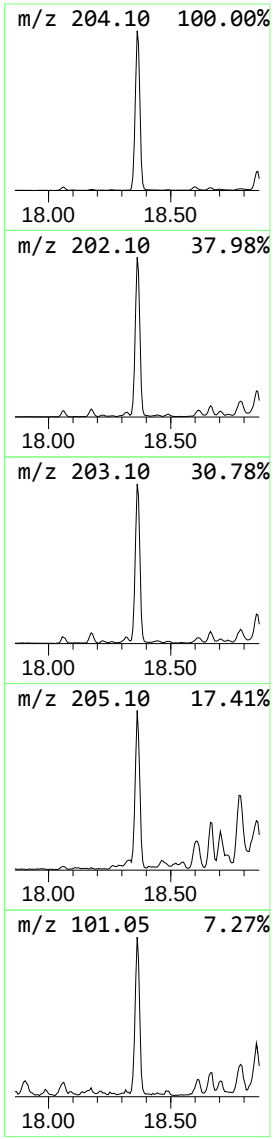
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.362	44.03 ng	1400610	Phenanthrene-d10	16.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	59
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-20-14.5-15.0

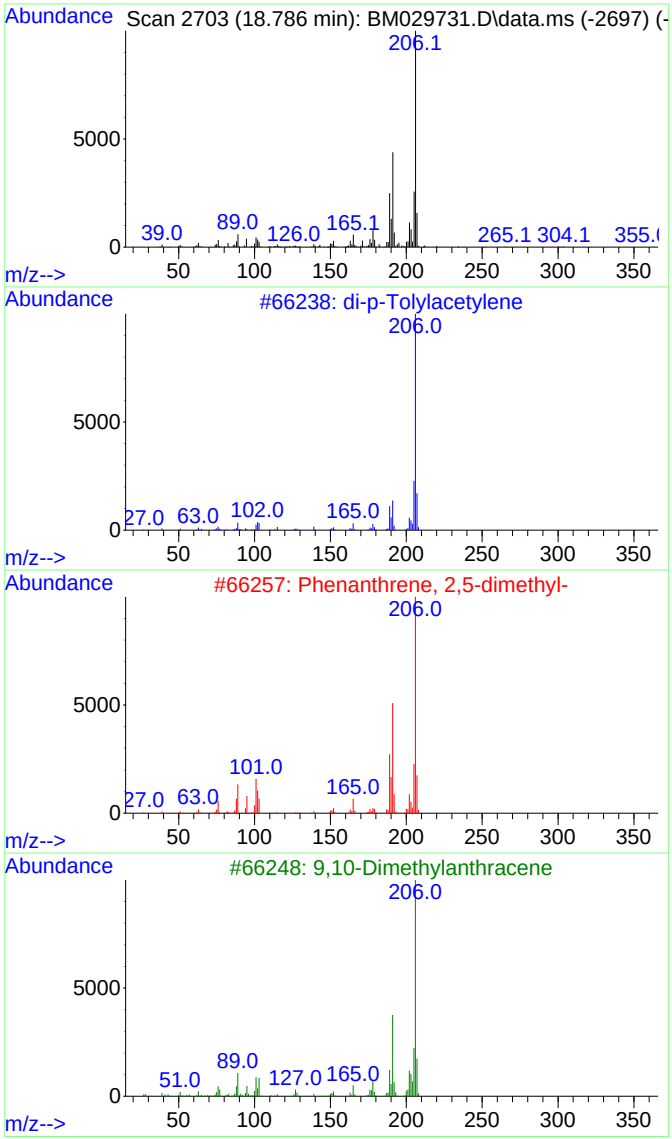
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

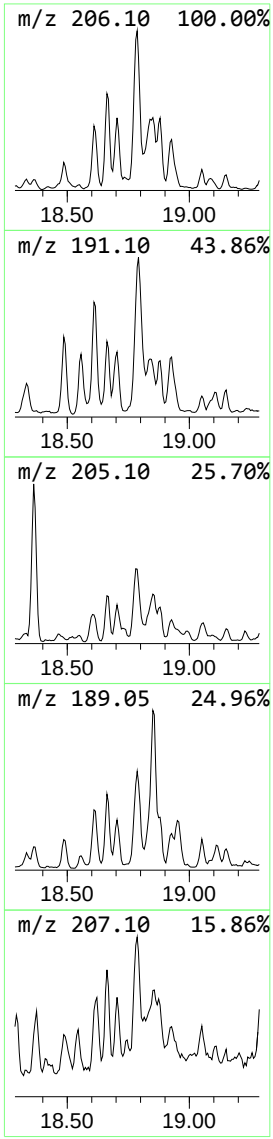
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 di-p-Tolylacetylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.786	23.25 ng	739490	Phenanthrene-d10	16.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029731.D
Acq On : 30 Apr 2021 16:10
Operator : CG/JU
Sample : M2077-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-20-14.5-15.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pyridine, 2,4,6...	7.098	24.2	ng	429115	1	7.593	354419	20.0
Indane	7.957	65.2	ng	1155960	1	7.593	354419	20.0
Quinoline, 2-me...	12.169	71.6	ng	1639040	2	10.369	457897	20.0
Naphthalene, 1,...	13.416	37.7	ng	1576250	3	14.239	835626	20.0
Naphthalene, 1,...	13.557	47.9	ng	2001530	3	14.239	835626	20.0
Naphthalene, 1,...	13.610	23.0	ng	960004	3	14.239	835626	20.0
Nordiphenamid	15.451	28.4	ng	1186770	3	14.239	835626	20.0
Dibenzofuran, 4...	15.586	40.8	ng	1705740	3	14.239	835626	20.0
5H-Indeno[1,2-b...	15.798	25.9	ng	822579	4	16.992	636200	20.0
9H-Fluorene, 1-...	16.292	56.5	ng	1796980	4	16.992	636200	20.0
2,4,6-Trimethox...	16.721	23.5	ng	748912	4	16.992	636200	20.0
Naphtho[1,2-b]t...	16.804	71.0	ng	2259970	4	16.992	636200	20.0
Acridine	17.180	35.8	ng	1137210	4	16.992	636200	20.0
Phenanthrene, 1...	17.863	79.8	ng	2537510	4	16.992	636200	20.0
Phenanthrene, 2...	17.910	108.3	ng	3443600	4	16.992	636200	20.0
Anthracene, 1-m...	17.992	38.9	ng	1237570	4	16.992	636200	20.0
4H-Cyclopenta[d...	18.057	153.8	ng	4891850	4	16.992	636200	20.0
Anthracene, 9-m...	18.092	24.6	ng	781286	4	16.992	636200	20.0
Naphthalene, 2-...	18.362	44.0	ng	1400610	4	16.992	636200	20.0
di-p-Tolylacety...	18.786	23.3	ng	739490	4	16.992	636200	20.0