LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
Data File : BM028593.D
Acq On : 28 Jan 2021 18:33
Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM028593.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.510	389	395	408	rVB	572160	835632	8.40%	0.989%
2	7.157	667	675	687	rBV	544039	870688	8.75%	1.030%
3	7.963	805	812	819	rVB	131553	198575	2.00%	0.235%
4	9.140	1005	1012	1020	rBV	339610	546263	5.49%	0.646%
5	10.781	1284	1291	1296	rBV	161283	268278	2.70%	0.317%
6	13.233	1698	1708	1719	rVB	761294	1109443	11.15%	1.313%
7	13.775	1791	1800	1802	rBV	228960	382890	3.85%	0.453%
8	13.933	1820	1827	1832	rBV	471470	832327	8.37%	0.985%
9	13.986	1832	1836	1845	rVB	367754	520978	5.24%	0.616%
10	14.169	1862	1867	1870	rBV	188705	274946	2.76%	0.325%
11	14.204	1870	1873	1878	rVB	120890	155484	1.56%	0.184%
12	14.333	1891	1895	1904	rVB	119835	182165	1.83%	0.216%
13	14.616	1938	1943	1948	rVB	218346	326219	3.28%	0.386%
14	14.686	1948	1955	1960	rVB	2185686	3229821	32.47%	3.822%
15	14.816	1971	1977	1986	rVB	113910	281942	2.83%	0.334%
16	14.922	1986	1995	1999	rBV2	127179	252334	2.54%	0.299%
17	15.010	2003	2010	2016	rVB	714358	1041853	10.47%	1.233%
18	15.080	2016	2022	2031	rBV	316705	452643	4.55%	0.536%
19	15.227	2040	2047	2051	rBV	248325	426870	4.29%	0.505%
20	15.274	2051	2055	2060	rVB	219765	307871	3.10%	0.364%
21	15.398	2067	2076	2079	rBV	196490	399485	4.02%	0.473%
22	15.427	2079	2081	2087	rVB3	150042	205608	2.07%	0.243%
23	15.574	2101	2106	2112	rVV2	119942	209837	2.11%	0.248%
24	15.663	2113	2121	2130	rVB	1303517	2155901	21.67%	2.551%
25	15.751	2130	2136	2138	rBV	159276	239586	2.41%	0.284%
26	15.780	2138	2141	2144	rVV	266831	361176	3.63%	0.427%
27	15.822	2144	2148	2152	rVV	228118	346894	3.49%	0.410%
28	15.863	2152	2155	2158	rVV	105796	156689	1.58%	0.185%
29	15.904	2158	2162	2165	rVV2	135905	212074	2.13%	0.251%
30	15.945	2165	2169	2177	rVB	589506	890169	8.95%	1.053%
31	16.098	2185	2195	2202	rBV2	1153123	2078915	20.90%	2.460%
32	16.186	2202	2210	2216	rVB2	145144	277639	2.79%	0.329%
33	16.321	2225	2233	2240	rVB5	165227	322228	3.24%	0.381%
34	16.657	2278	2290	2294	rBV3	327782	771920	7.76%	0.913%
35	16.704	2294	2298	2303	rVB2	113170	161349	1.62%	0.191%
36	16.880	2324	2328	2331	rBV2	173579	198245	1.99%	0.235%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
Data File : BM028593.D
Acq On : 28 Jan 2021 18:33
Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.921	2331	2335	2338	rVB3	215159	248458	2.50%	0.294%
38	17.010	2345	2350	2356	rVB2	378357	596835	6.00%	0.706%
39	17.074	2356	2361	2368	rVV	319711	622139	6.25%	0.736%
40	17.168	2372	2377	2385	rVB	436269	664643	6.68%	0.786%
41	17.351	2402	2408	2410	rBV	216760	347194	3.49%	0.411%
42	17.410	2410	2418	2423	rVV	5068052	9720093	97.72%	11.502%
43	17.457	2423	2426	2427	rVV	140962	171771	1.73%	0.203%
44	17.486	2427	2431	2434	rVV	594486	794714	7.99%	0.940%
45	17.521	2434	2437	2444	rVB2	84106	167050	1.68%	0.198%
46	17.745	2467	2475	2477	rVV4	74416	162442	1.63%	0.192%
47	17.774	2477	2480	2490	rVV2	141121	414846	4.17%	0.491%
48	17.857	2490	2494	2501	rVV2	239904	398819	4.01%	0.472%
49	17.921	2501	2505	2513	rVB4	190955	365766	3.68%	0.433%
50	18.139	2538	2542	2546	rBV	126290	156621	1.57%	0.185%
51	18.215	2550	2555	2560	rVV	885075	1418122	14.26%	1.678%
52	18.268	2560	2564	2569	rVB	1126225	1486044	14.94%	1.758%
53	18.345	2573	2577	2582	rVB	247331	347480	3.49%	0.411%
54	18.415	2582	2589	2592	rBV2	1033736	1876161	18.86%	2.220%
55	18.445	2592	2594	2600	rVB	447980	529691	5.33%	0.627%
56	18.710	2634	2639	2643	rVV	574678	803363	8.08%	0.951%
57	18.762	2643	2648	2653	rVB	653865	857557	8.62%	1.015%
58	18.951	2672	2680	2683	rBV4	208799	391828	3.94%	0.464%
59	19.004	2686	2689	2692	rVV	161993	192899	1.94%	0.228%
60	19.045	2692	2696	2704	rVB2	153915	218064	2.19%	0.258%
61	19.127	2704	2710	2713	rBV	305683	569583	5.73%	0.674%
62	19.162	2713	2716	2723	rVV3	565419	1004196	10.10%	1.188%
63	19.221	2723	2726	2729	rVB	125360	154731	1.56%	0.183%
64	19.280	2729	2736	2743	rBV	705691	1105705	11.12%	1.308%
65	19.415	2748	2759	2763	rVV	5231829	9947014	100.00%	11.770%
66	19.451	2763	2765	2768	rVV	153255	177493	1.78%	0.210%
67	19.486	2768	2771	2777	rVB	250578	337978	3.40%	0.400%
68	19.598	2783	2790	2793	rBV3	261555	439823	4.42%	0.520%
69	19.633	2793	2796	2799	rVB	154386	188143	1.89%	0.223%
70	19.768	2806	2819	2823	rBV2	4146022	8352258	83.97%	9.883%
71	19.815	2823	2827	2834	rVB2	344091	507619	5.10%	0.601%
72	19.945	2834	2849	2853	rBV2	1117111	2037533	20.48%	2.411%
73	19.980	2853	2855	2863	rVB4	119715	195982	1.97%	0.232%
74	20.068	2863	2870	2871	rBV2	355257	615901	6.19%	0.729%
75	20.204	2887	2893	2895	rBV4	246779	463532	4.66%	0.548%
76	20.233	2896	2898	2903	rVB	299677	372525	3.75%	0.441%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
Data File : BM028593.D
Acq On : 28 Jan 2021 18:33
Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.333	2911	2915	2918	rBV2	150822	199710	2.01%	0.236%
78	20.392	2918	2925	2929	rVV2	371345	725086	7.29%	0.858%
79	20.468	2935	2938	2943	rVB2	128051	170547	1.71%	0.202%
80	20.533	2945	2949	2952	rBV	196363	253676	2.55%	0.300%
81	20.574	2953	2956	2959	rVV	191625	242263	2.44%	0.287%
82	20.809	2993	2996	3002	rVB	146494	204493	2.06%	0.242%
83	20.974	3020	3024	3030	rBV	744096	974624	9.80%	1.153%
84	21.133	3045	3051	3055	rBV2	368996	658622	6.62%	0.779%
85	21.174	3055	3058	3062	rVV2	480932	654879	6.58%	0.775%
86	21.215	3062	3065	3069	rVV2	302666	463553	4.66%	0.549%
87	21.268	3069	3074	3084	rVB2	592516	921540	9.26%	1.090%
88	21.374	3085	3092	3098	rBV3	101494	257599	2.59%	0.305%
89	21.474	3103	3109	3114	rVV2	1445590	2477585	24.91%	2.932%
90	21.527	3114	3118	3127	rVB	1227849	1709115	17.18%	2.022%
91	22.033	3201	3204	3208	rVV	173465	209478	2.11%	0.248%
92	22.092	3210	3214	3220	rVB2	122743	219642	2.21%	0.260%
93	22.233	3235	3238	3249	rVB2	93743	186955	1.88%	0.221%
94	22.515	3283	3286	3291	rVB	119270	158468	1.59%	0.188%
95	22.686	3311	3315	3321	rVB2	118944	199165	2.00%	0.236%
96	22.809	3331	3336	3345	rVB4	132950	262814	2.64%	0.311%
97	23.074	3375	3381	3386	rBV	583202	1328335	13.35%	1.572%
98	23.556	3458	3463	3470	rVB	217519	380702	3.83%	0.450%
99	23.656	3474	3480	3486	rVB	236590	430456	4.33%	0.509%
100	23.750	3491	3496	3501	rBV2	182413	312967	3.15%	0.370%

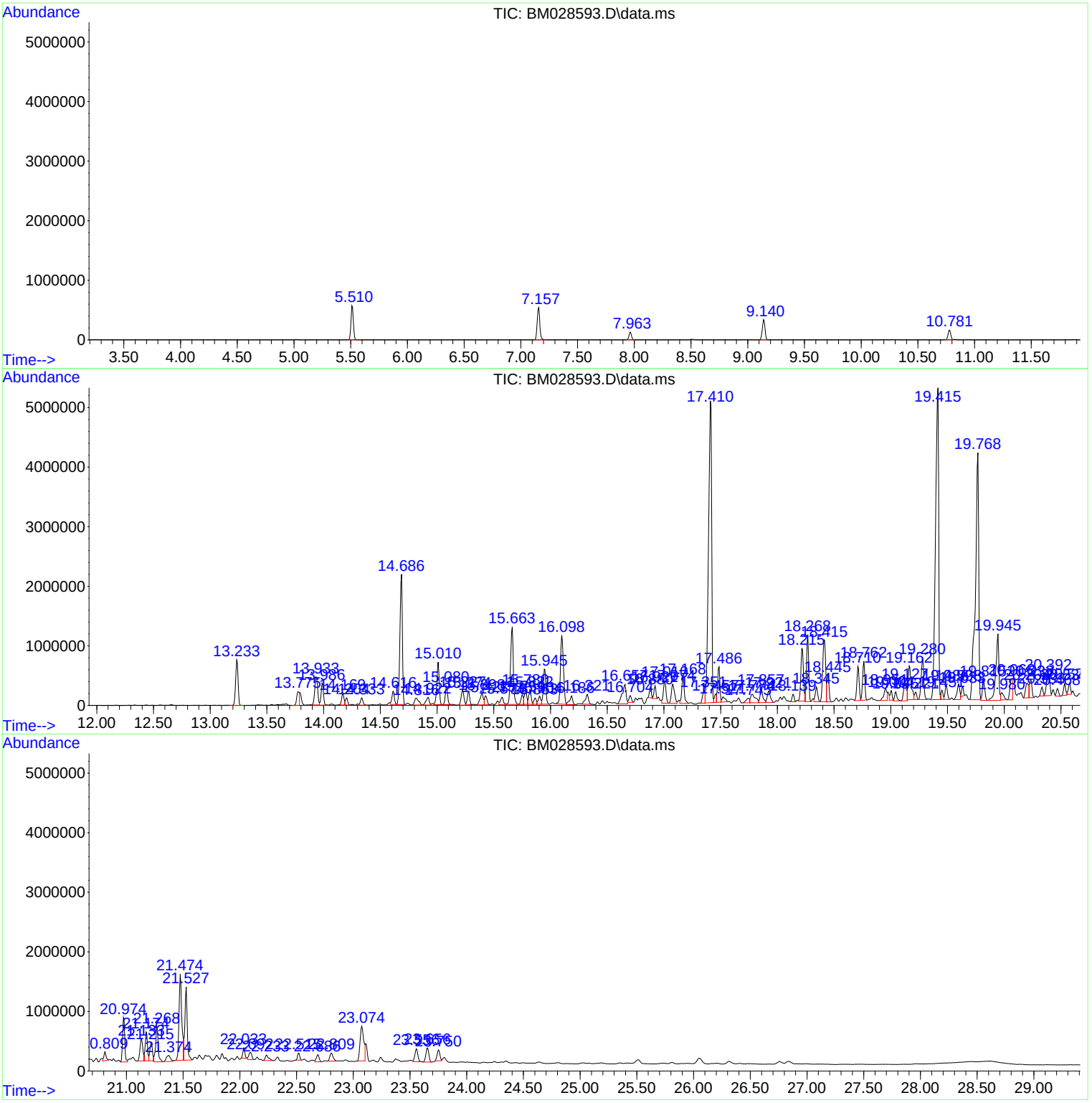
Sum of corrected areas: 84509827

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
Data File : BM028593.D
Acq On : 28 Jan 2021 18:33
Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CRT-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.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\BM012821\
Data File : BM028593.D
Acq On : 28 Jan 2021 18:33
Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

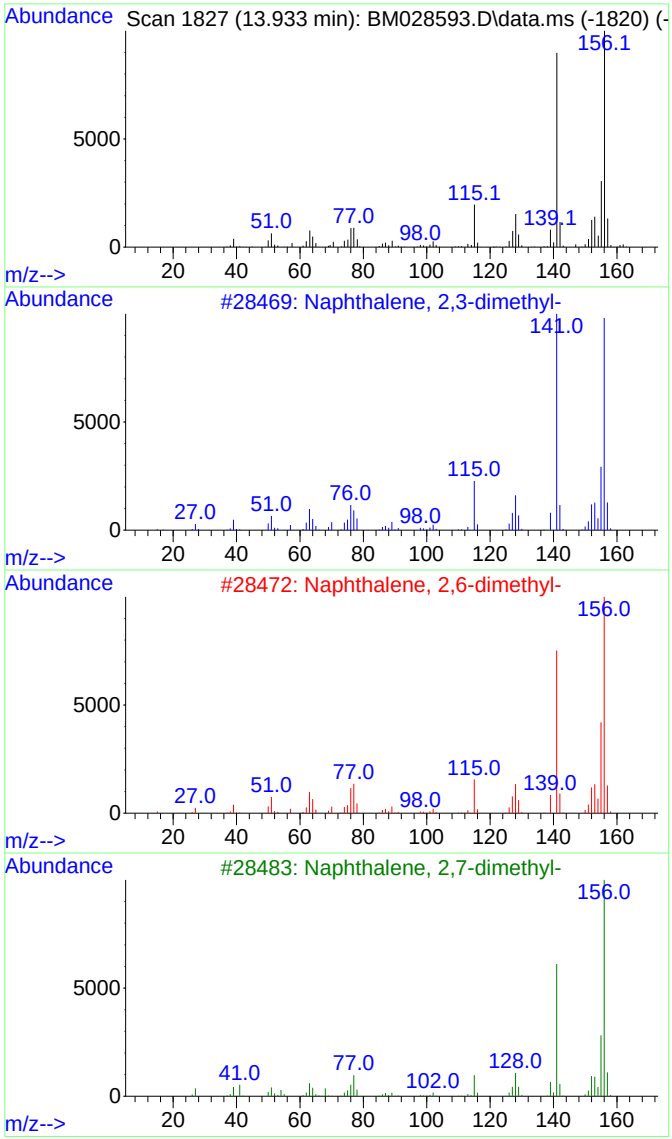
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

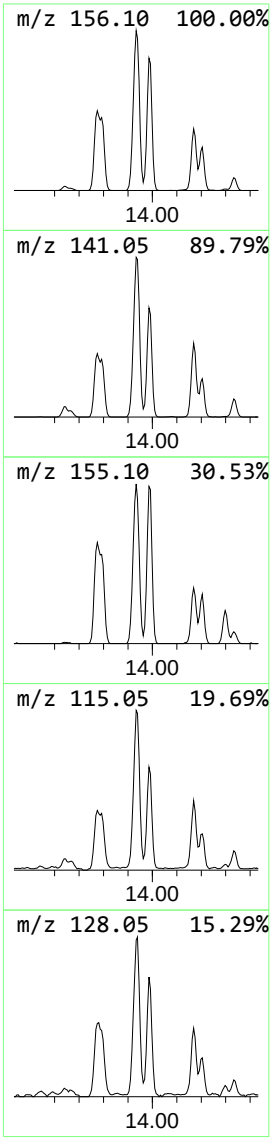
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.933	51.03 ng	832327	Acenaphthene-d10	14.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
Data File : BM028593.D
Acq On : 28 Jan 2021 18:33
Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

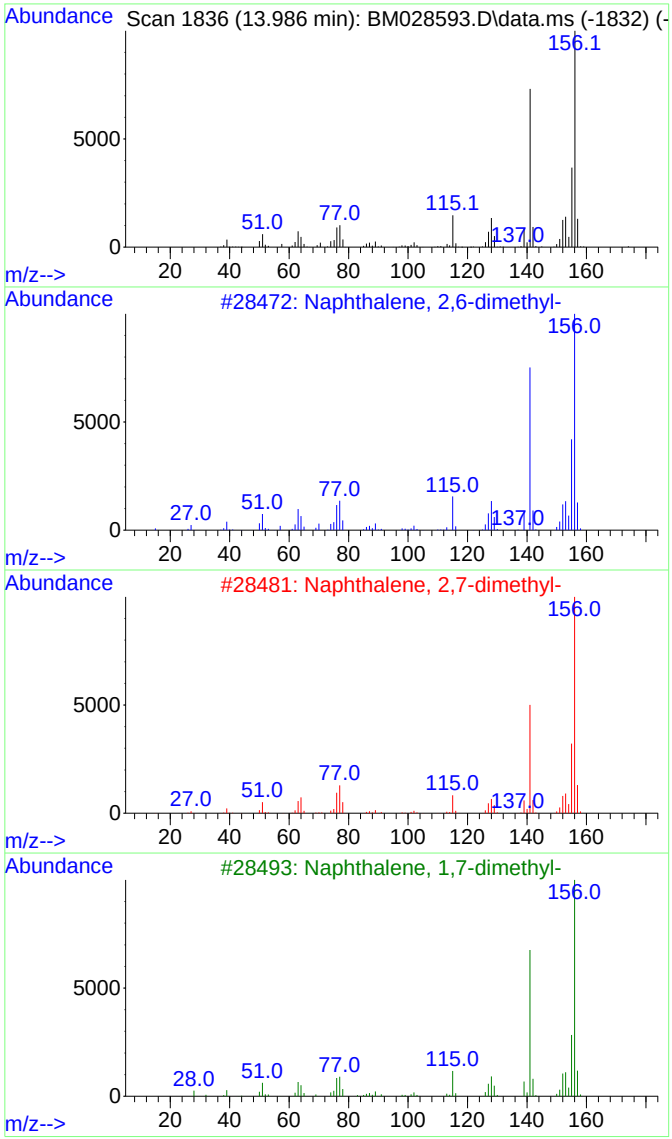
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

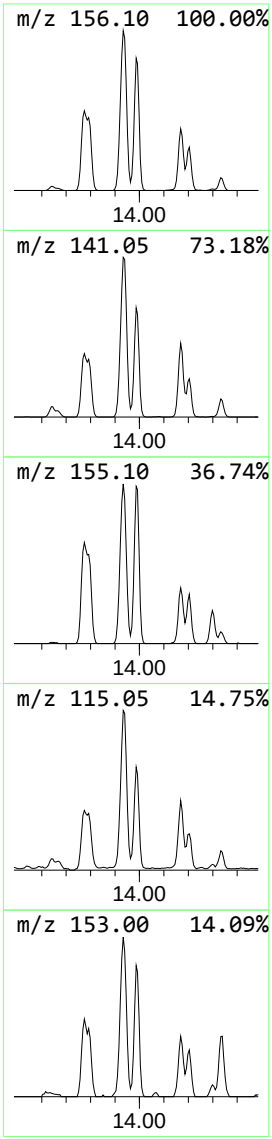
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.986	31.94 ng	520978	Acenaphthene-d10	14.616

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
Data File : BM028593.D
Acq On : 28 Jan 2021 18:33
Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

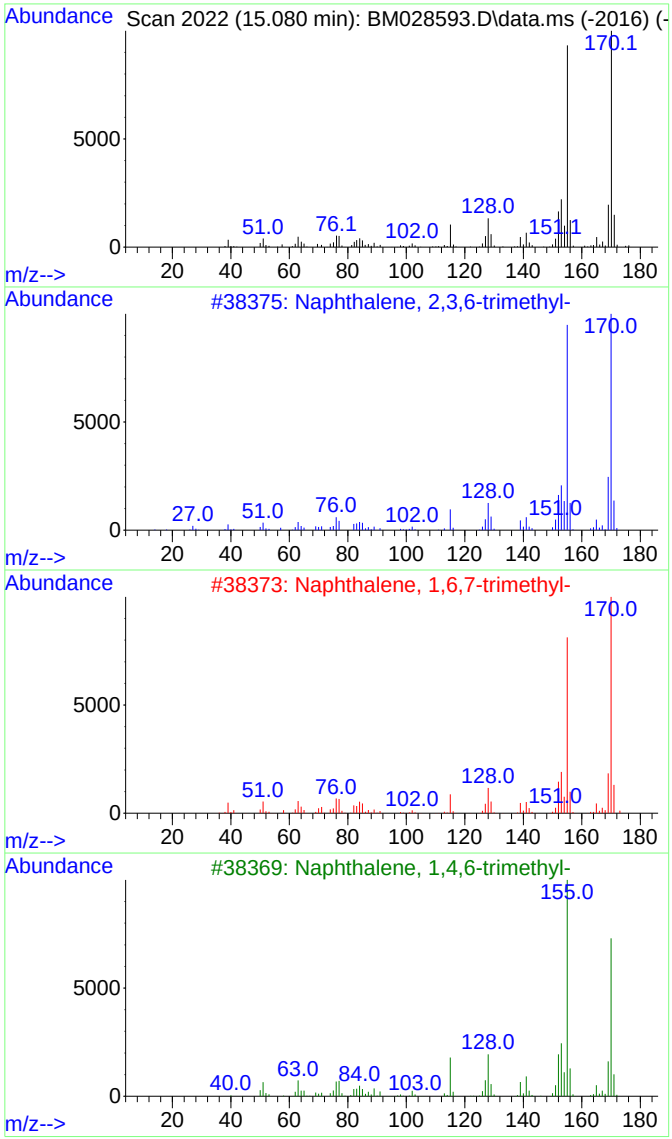
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

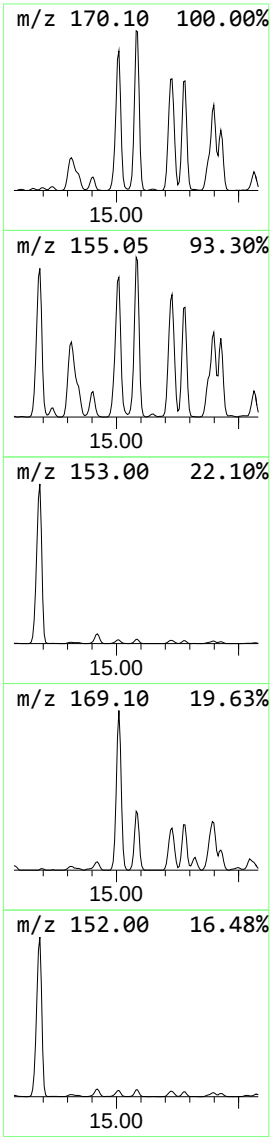
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.080	27.75 ng	452643	Acenaphthene-d10	14.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
Data File : BM028593.D
Acq On : 28 Jan 2021 18:33
Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

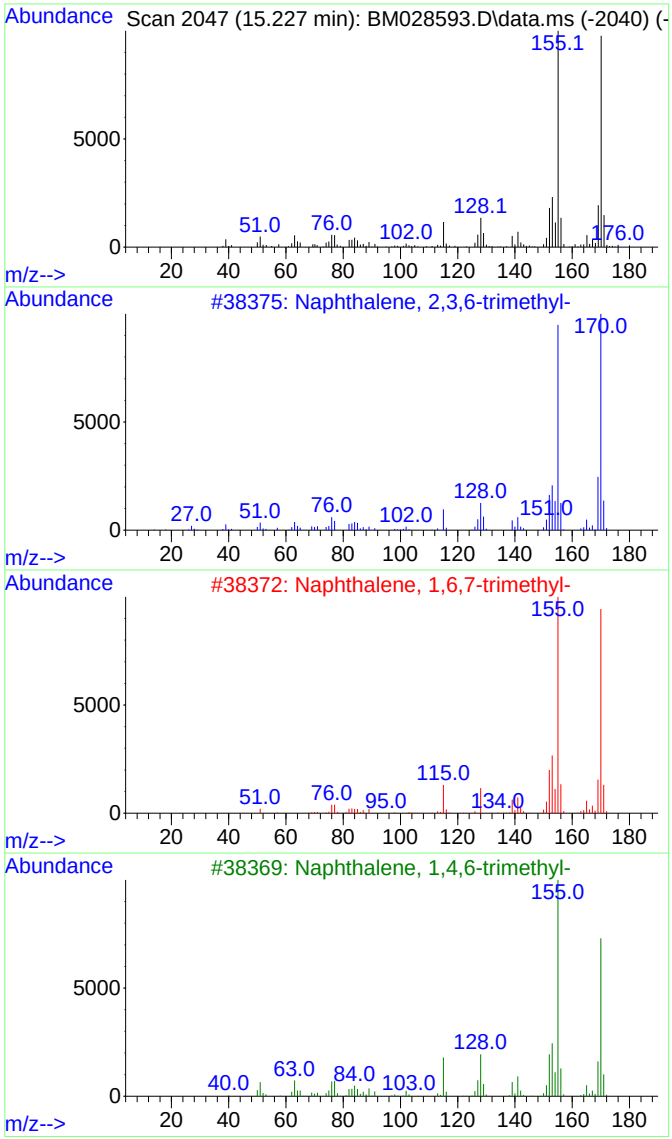
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

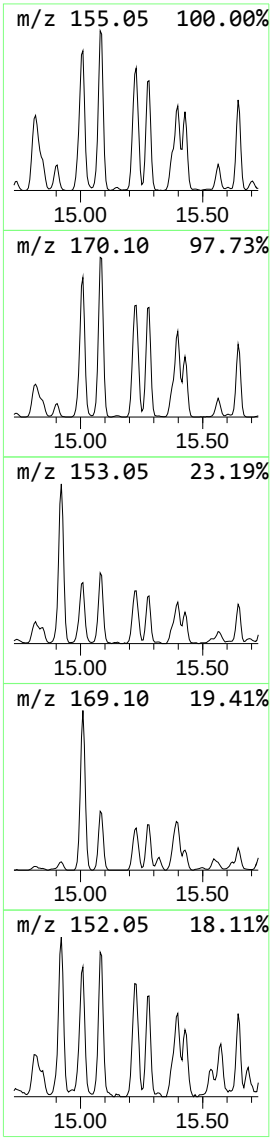
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.227	26.17 ng	426870	Acenaphthene-d10	14.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
Data File : BM028593.D
Acq On : 28 Jan 2021 18:33
Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

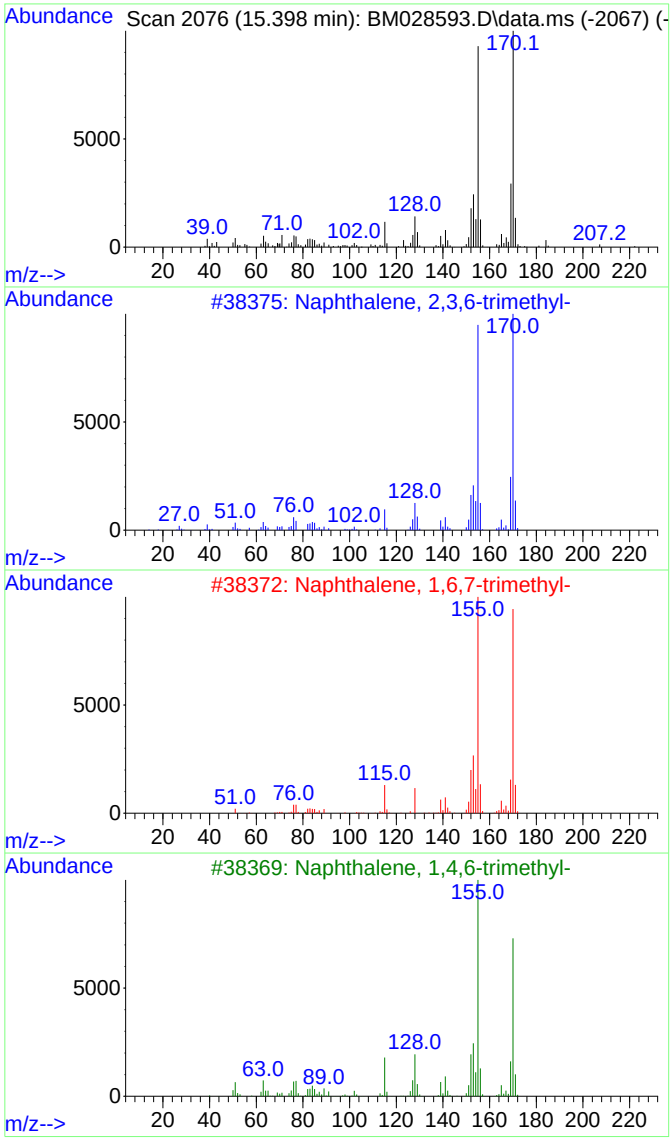
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

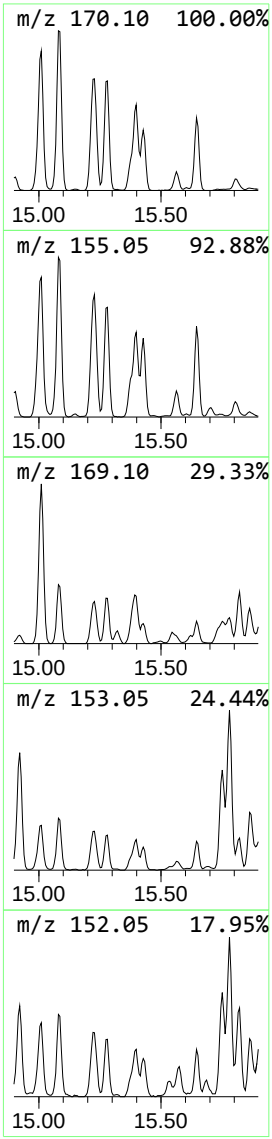
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, 1,4,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.398	24.49 ng	399485	Acenaphthene-d10	14.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94





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Acq On : 28 Jan 2021 18:33
Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

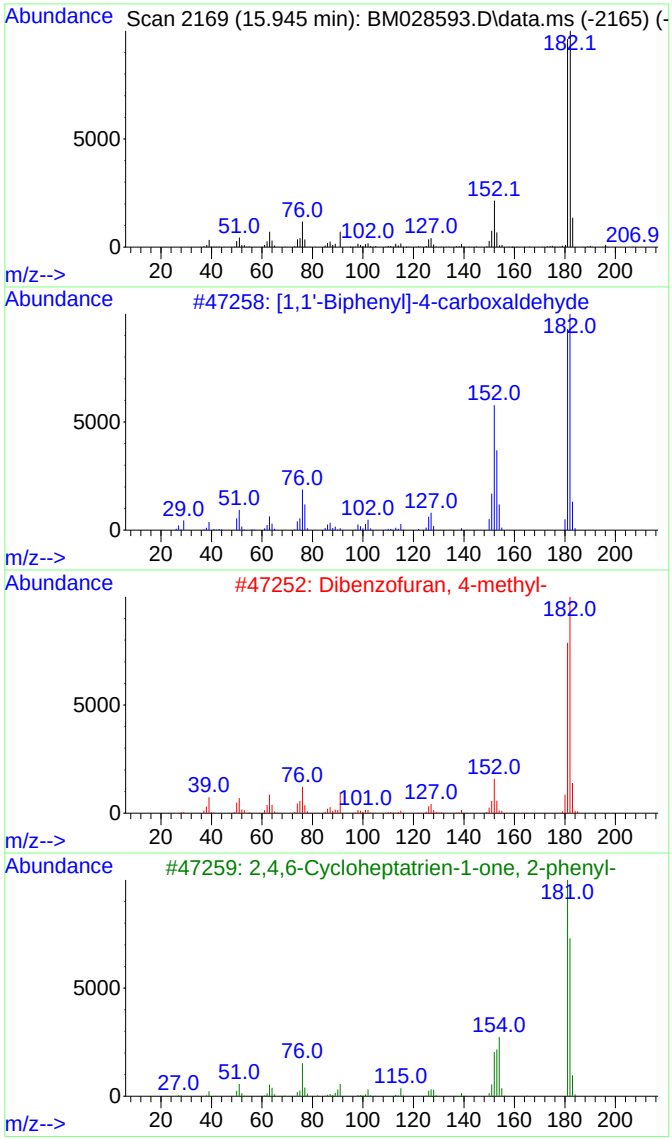
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

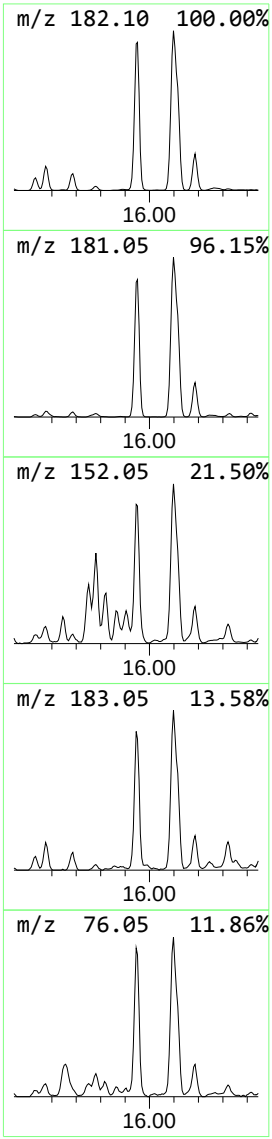
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.945	54.57 ng	890169	Acenaphthene-d10	14.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	89
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64





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Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

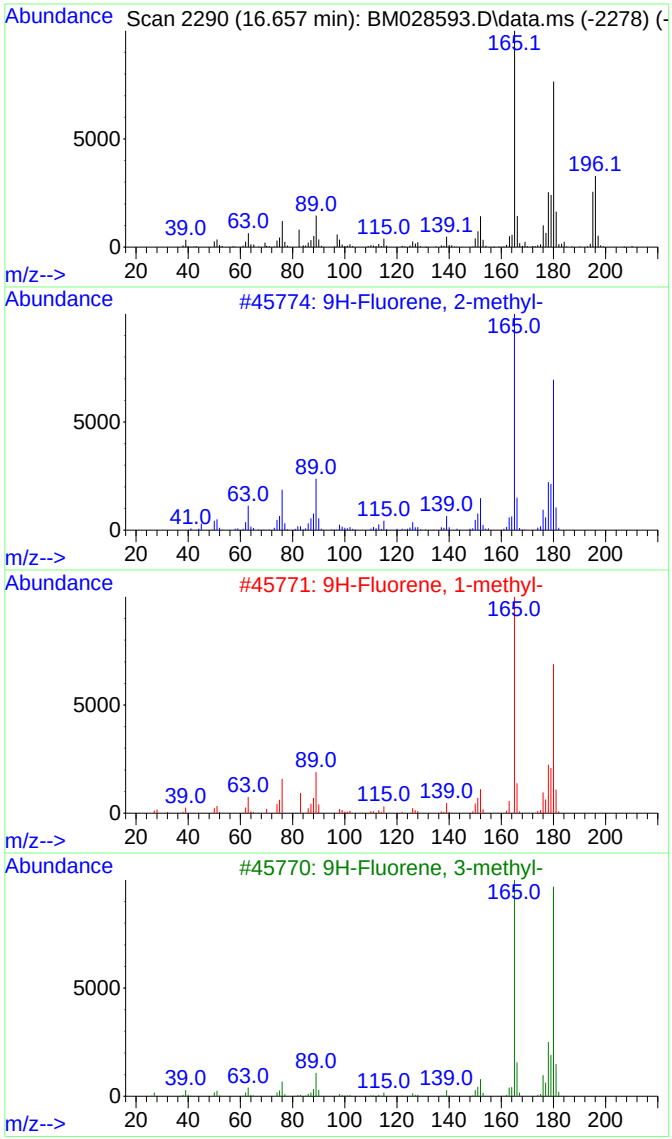
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

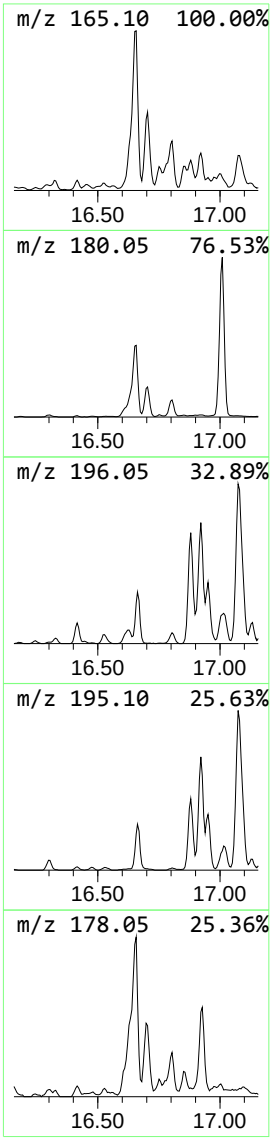
****

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.657	44.47 ng	771920	Phenanthrene-d10	17.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89





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Operator : CG/JU
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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

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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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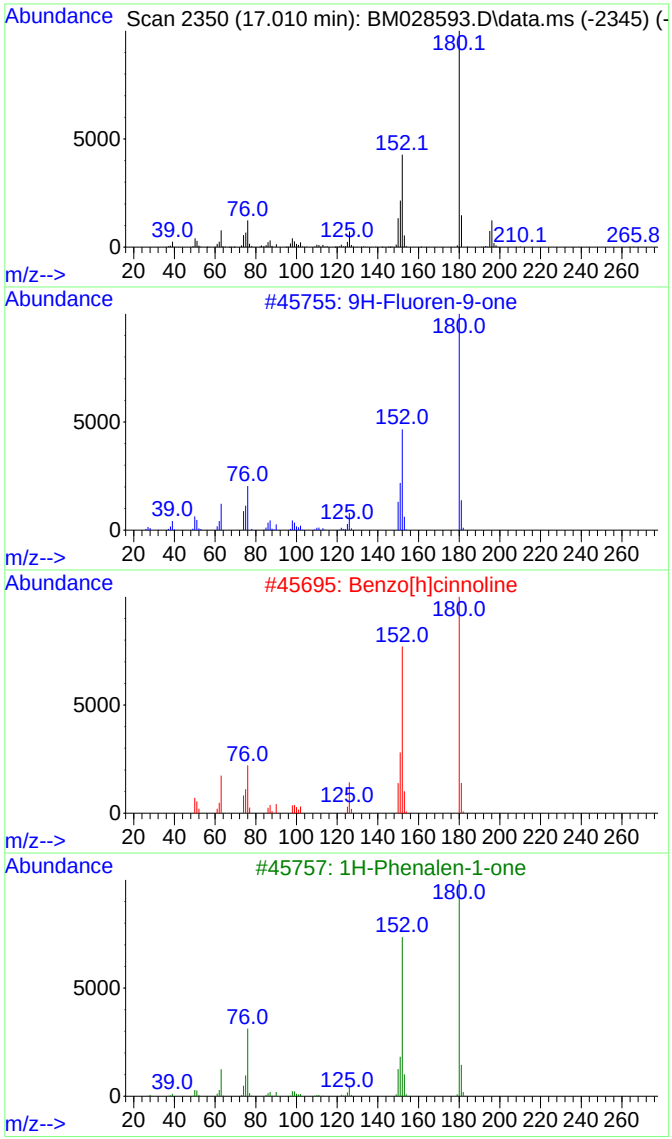
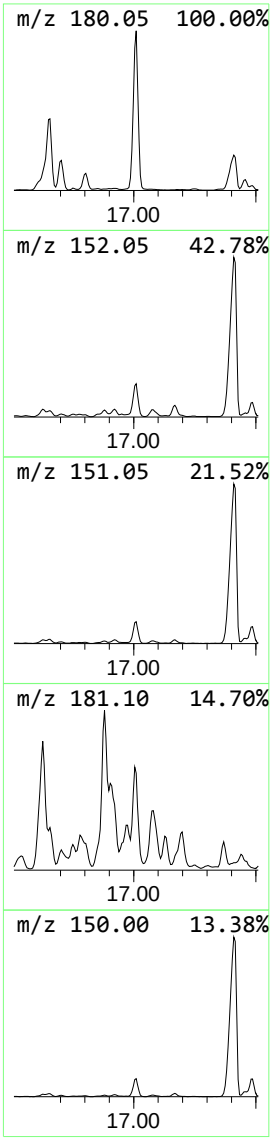
Peak Number 8 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.010	34.38 ng	596835	Phenanthrene-d10	17.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4	2-Benzothiophen-4(5H)-one, 6,7-d...	180	C10H12OS	1000338-11-9	50
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	45





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Operator : CG/JU
Sample : M1254-06
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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

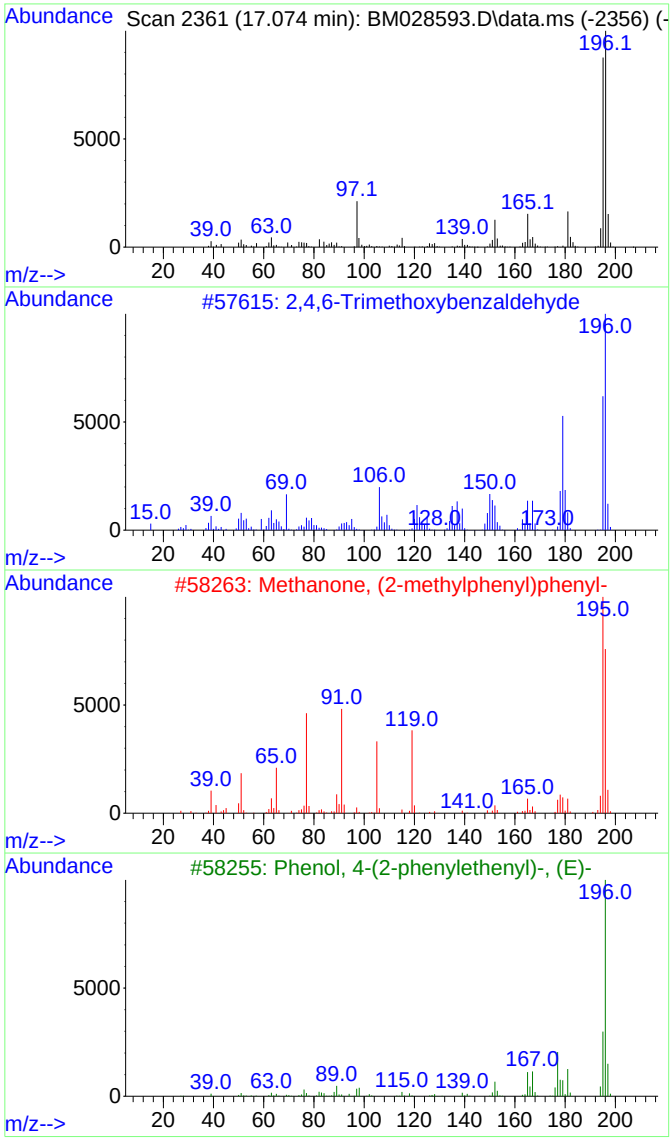
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

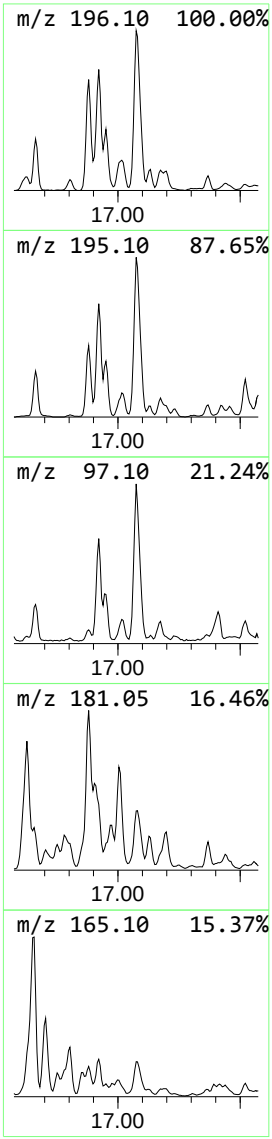
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 2,4,6-Trimethoxybenzaldehyde Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.074	35.84 ng	622139	Phenanthrene-d10	17.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	80
2	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	64
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

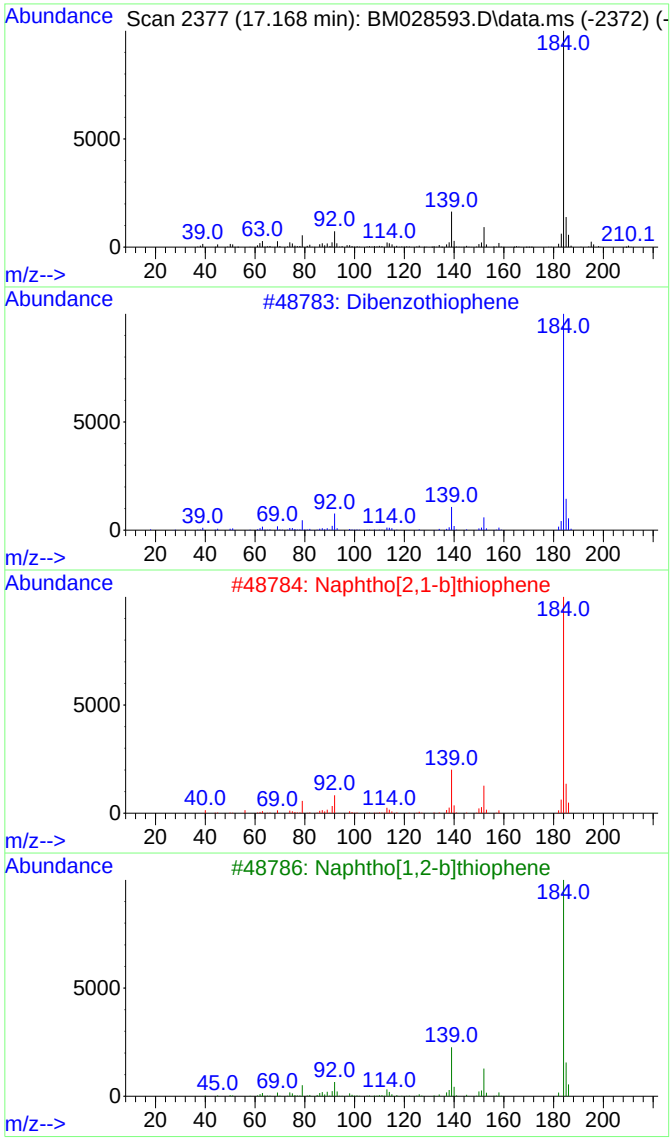
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

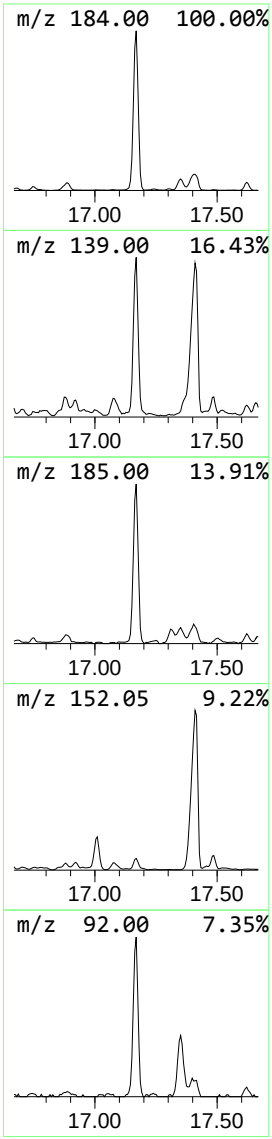
****

Peak Number 10 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.169	38.29 ng	664643	Phenanthrene-d10	17.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

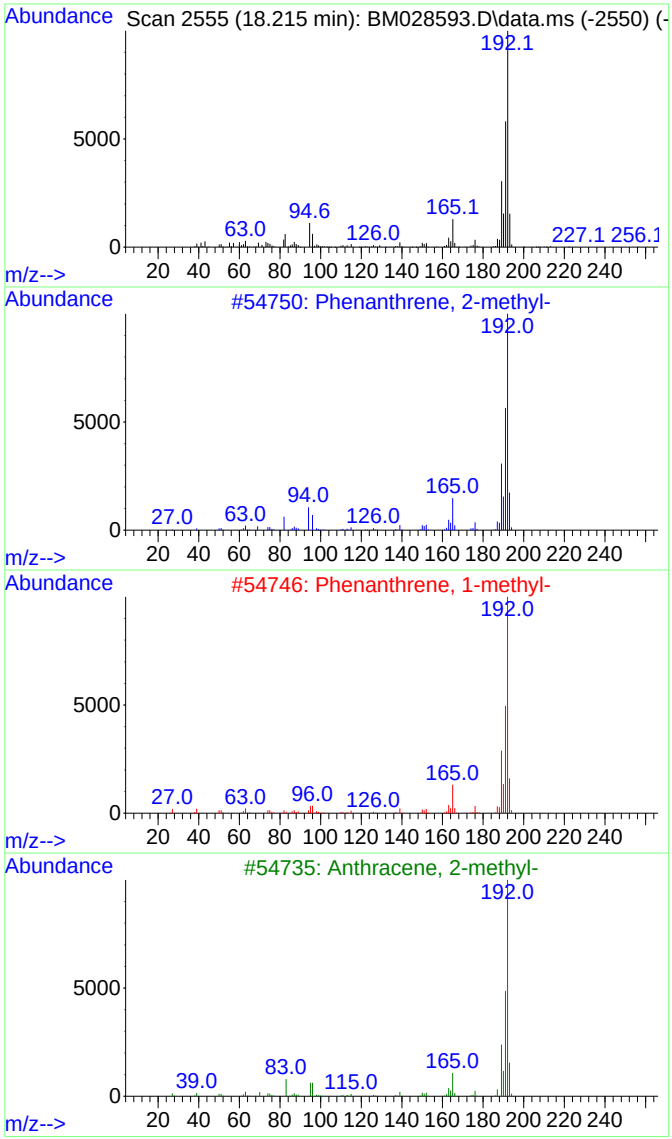
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

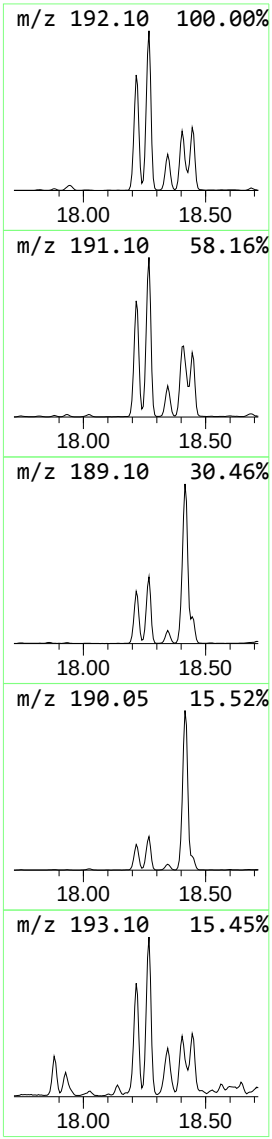
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.215	81.69 ng	1418120	Phenanthrene-d10	17.351

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

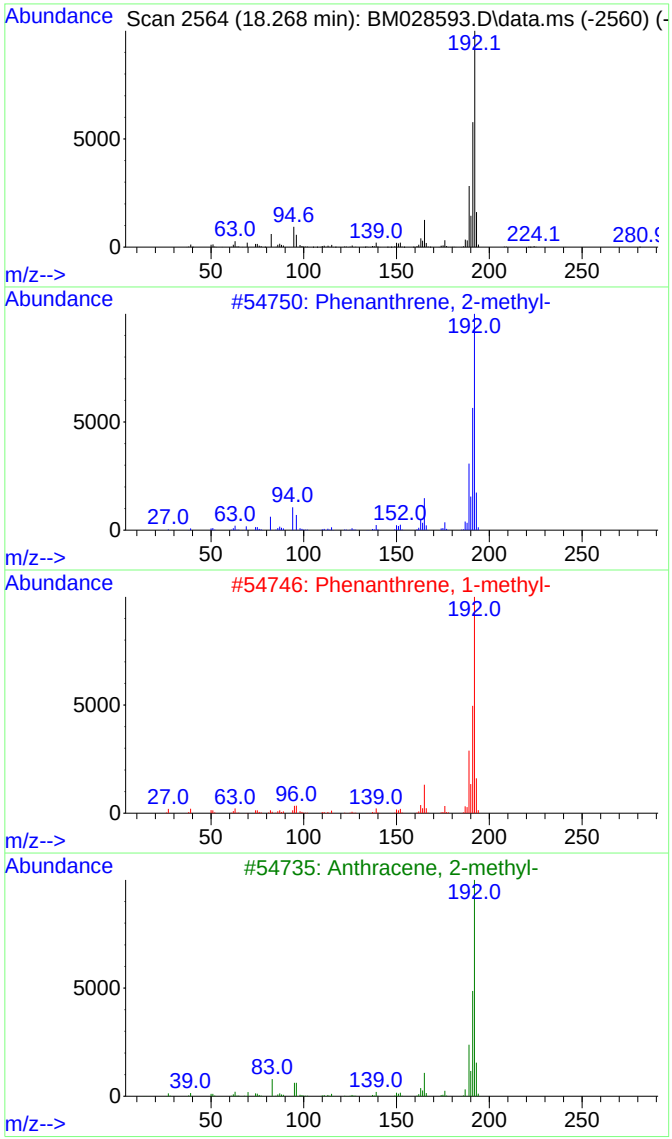
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

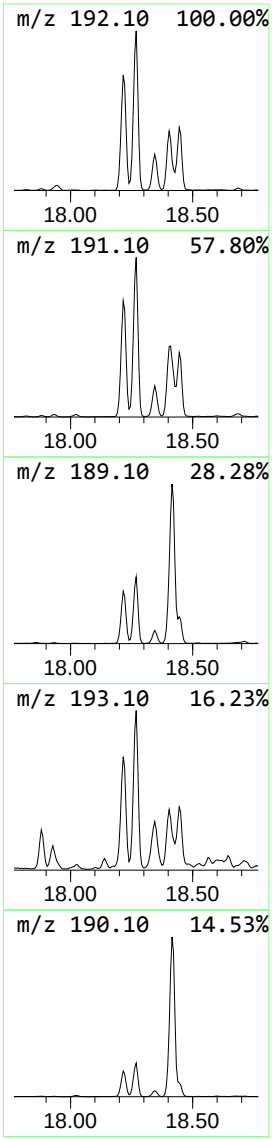
****

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.268	85.60 ng	1486040	Phenanthrene-d10	17.351

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	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

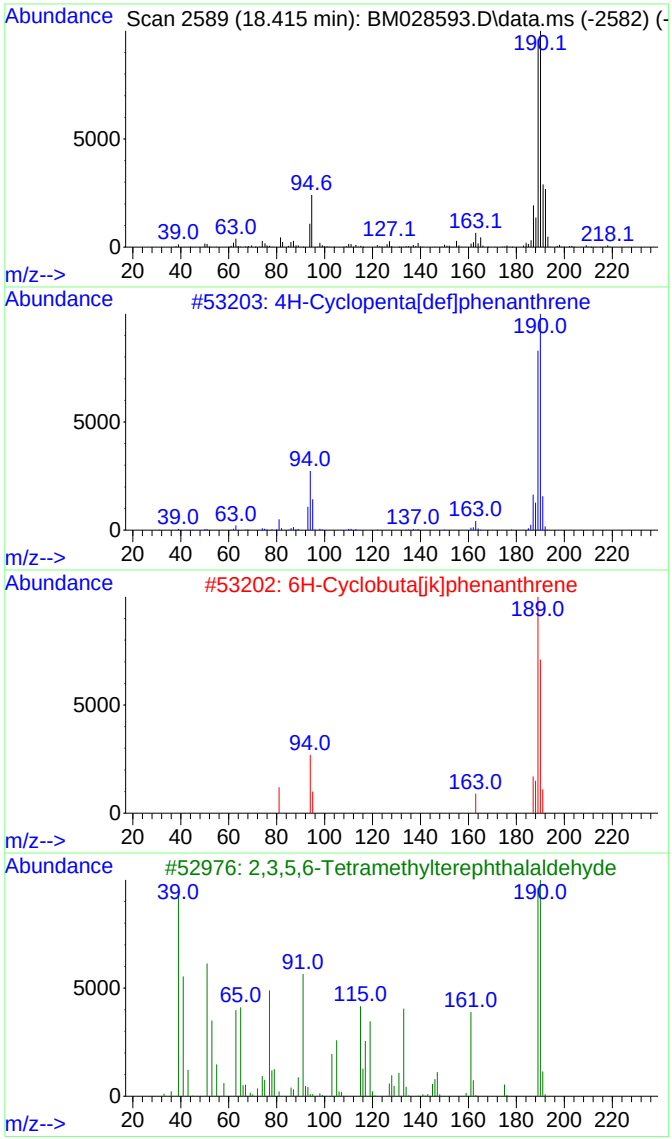
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

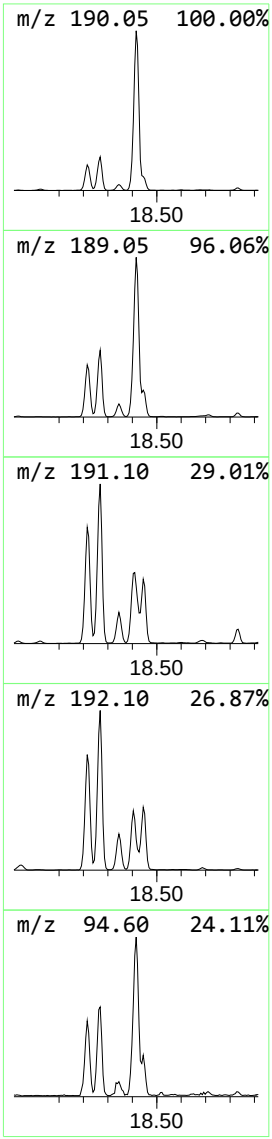
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.416	108.08 ng	1876160	Phenanthrene-d10	17.351

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	33





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Misc :
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Instrument : BNA_M
ClientSampleId : CRT-5

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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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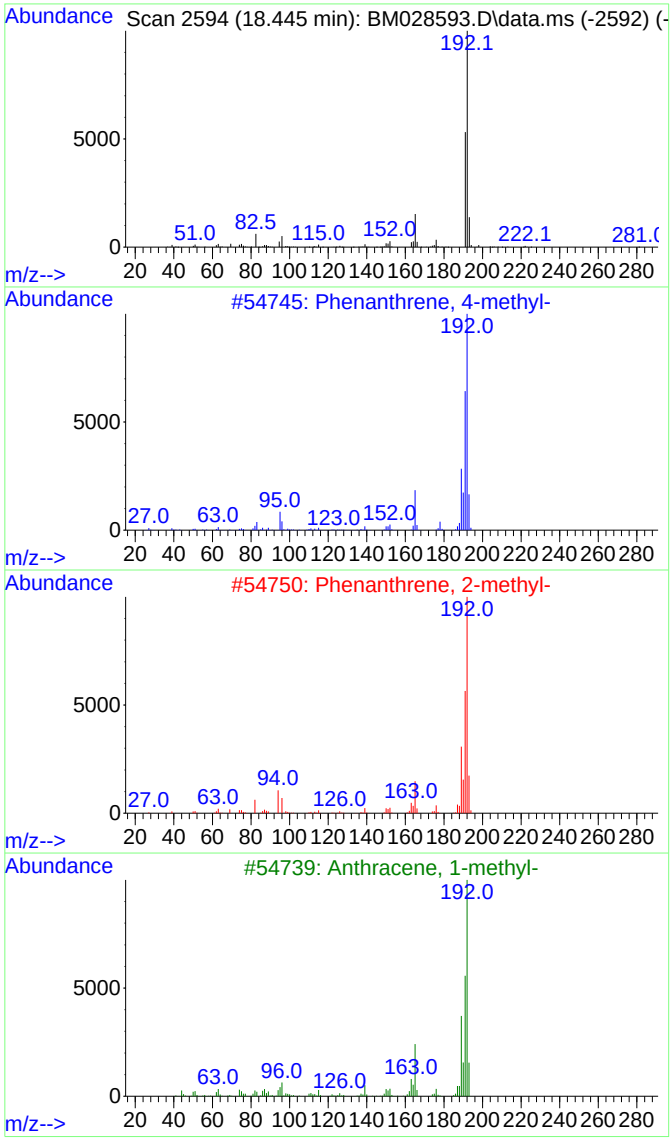
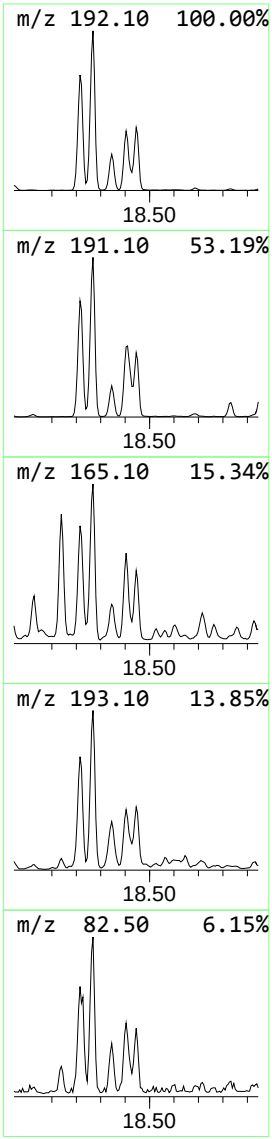
Peak Number 14 Phenanthrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.445	30.51 ng	529691	Phenanthrene-d10	17.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

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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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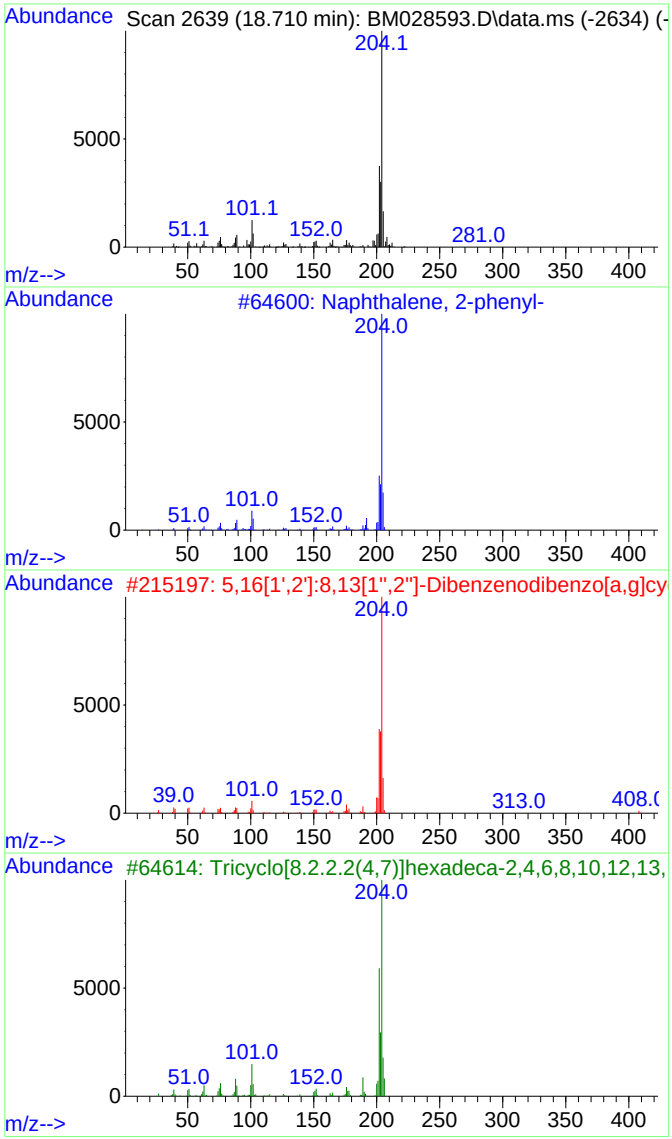
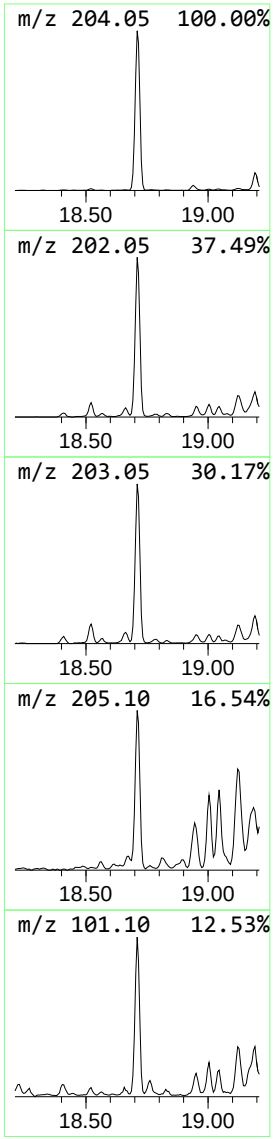
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.710	46.28 ng	803363	Phenanthrene-d10	17.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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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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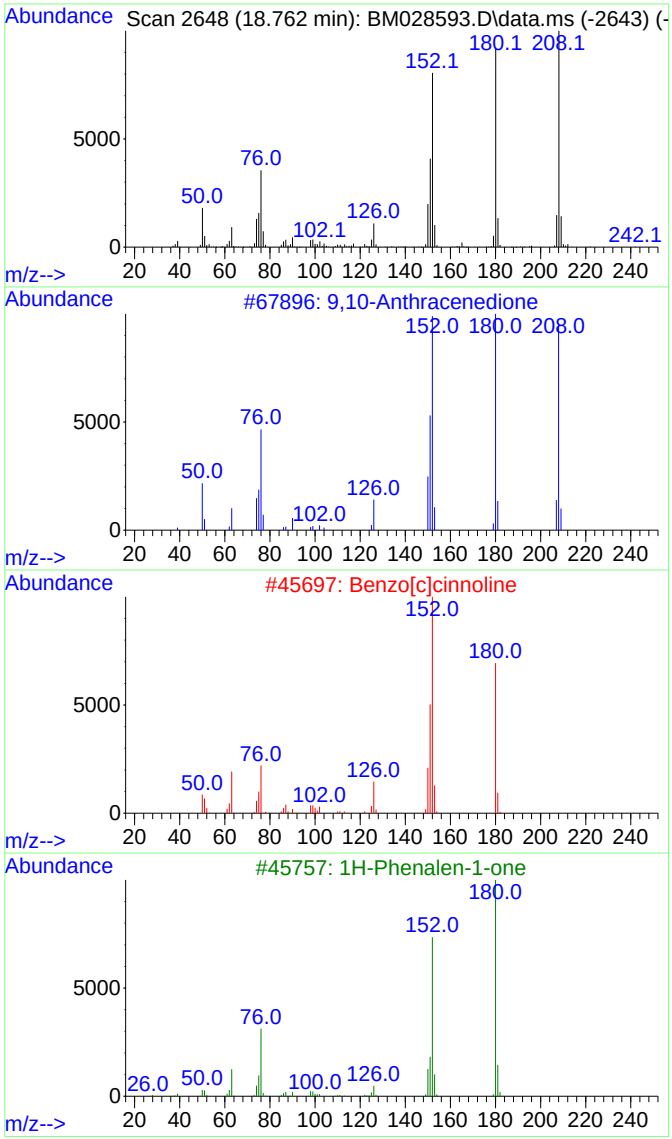
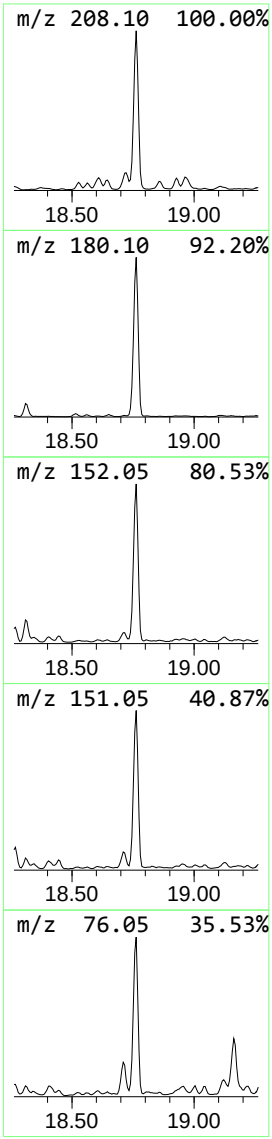
Peak Number 16 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.762	49.40 ng	857557	Phenanthrene-d10	17.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5	Diphenic anhydride	224	C14H8O3	006050-13-1	43





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Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

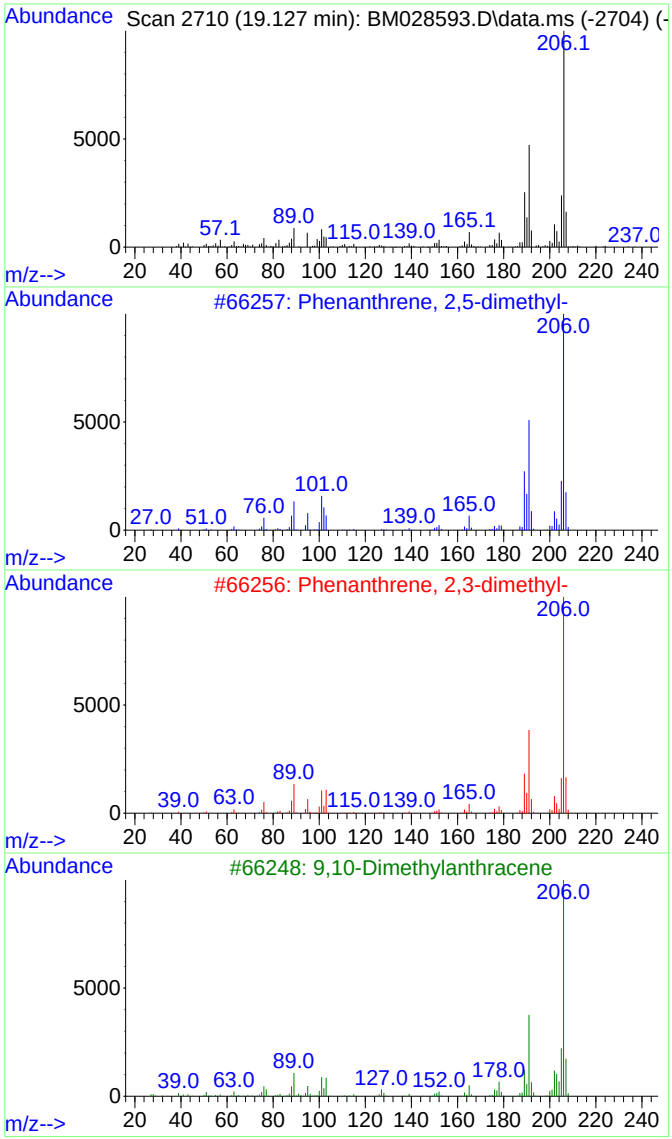
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

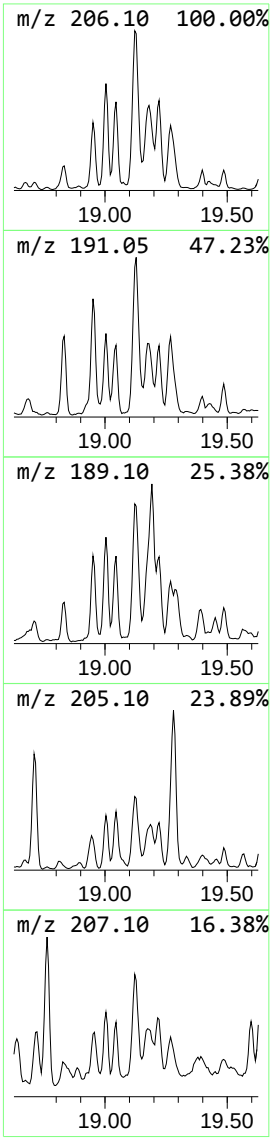
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.127	32.81 ng	569583	Phenanthrene-d10	17.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
Data File : BM028593.D
Acq On : 28 Jan 2021 18:33
Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

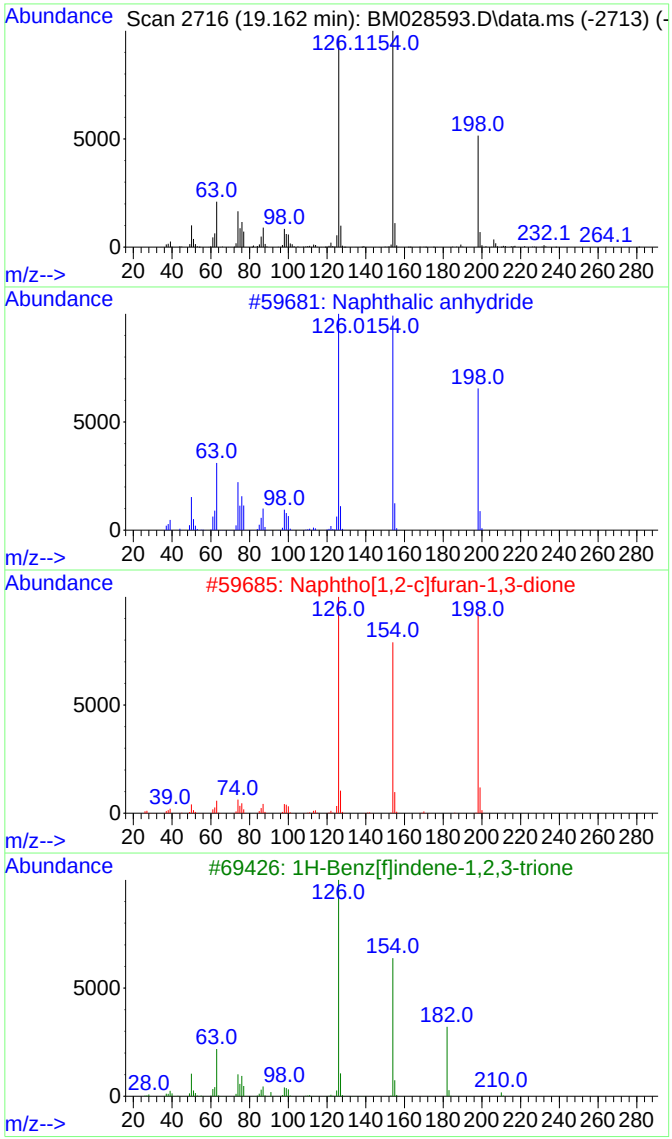
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

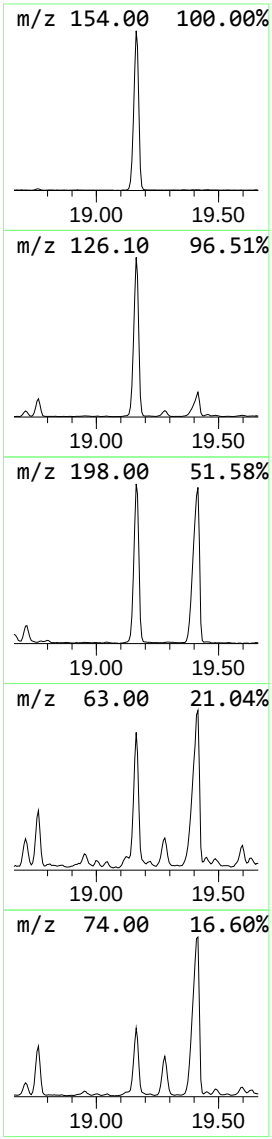
****

Peak Number 18 Naphthalic anhydride Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.163	57.85 ng	1004200	Phenanthrene-d10	17.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	98
2	Naphtho[1,2-c]furan-1,3-dione	198	C12H6O3	005343-99-7	74
3	1H-Benz[f]indene-1,2,3-trione	210	C13H6O3	020927-01-9	52
4	1H-Benz[f]indene-1,3(2H)-dione, ...	228	C13H8O4	038627-57-5	47
5	2,3-Naphthalenedicarboxylic acid	216	C12H8O4	002169-87-1	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
Data File : BM028593.D
Acq On : 28 Jan 2021 18:33
Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

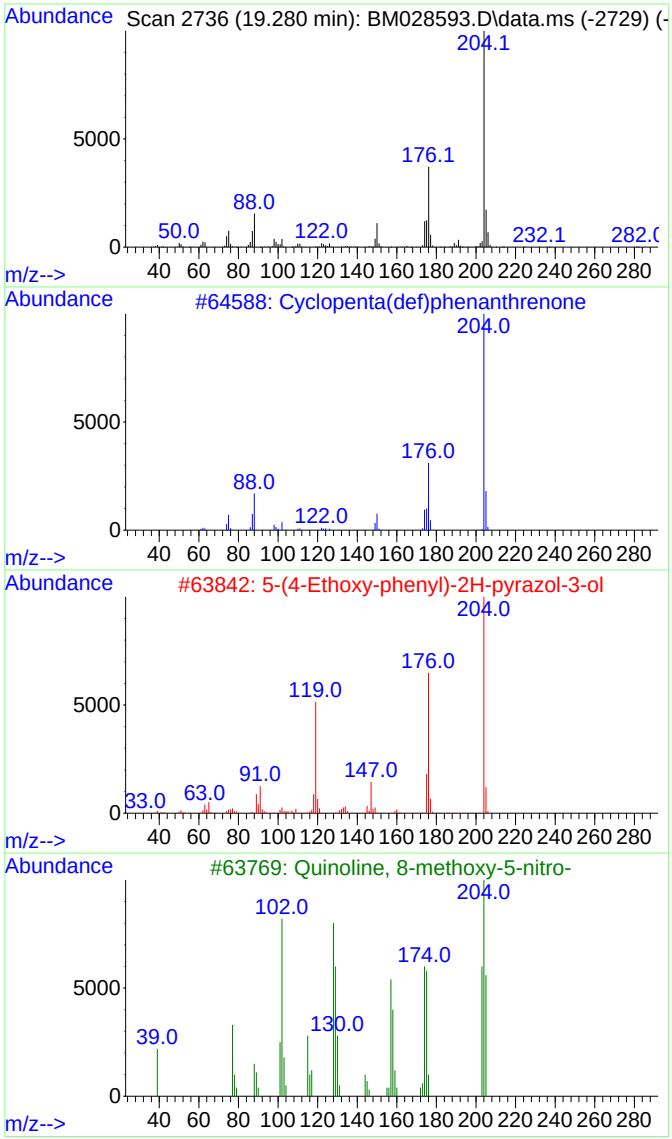
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

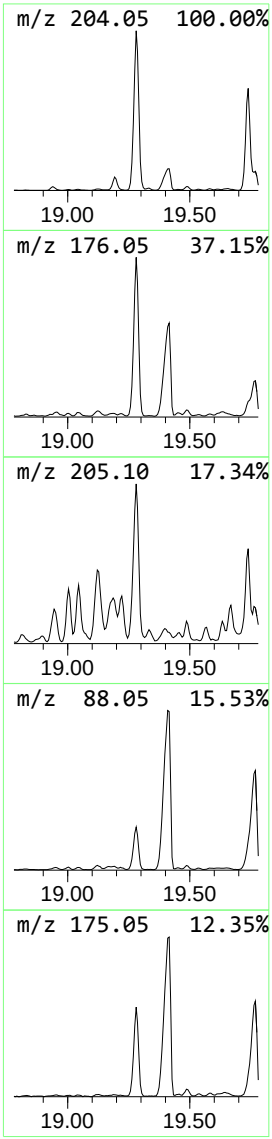
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.280	63.69 ng	1105710	Phenanthrene-d10	17.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
Data File : BM028593.D
Acq On : 28 Jan 2021 18:33
Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CRT-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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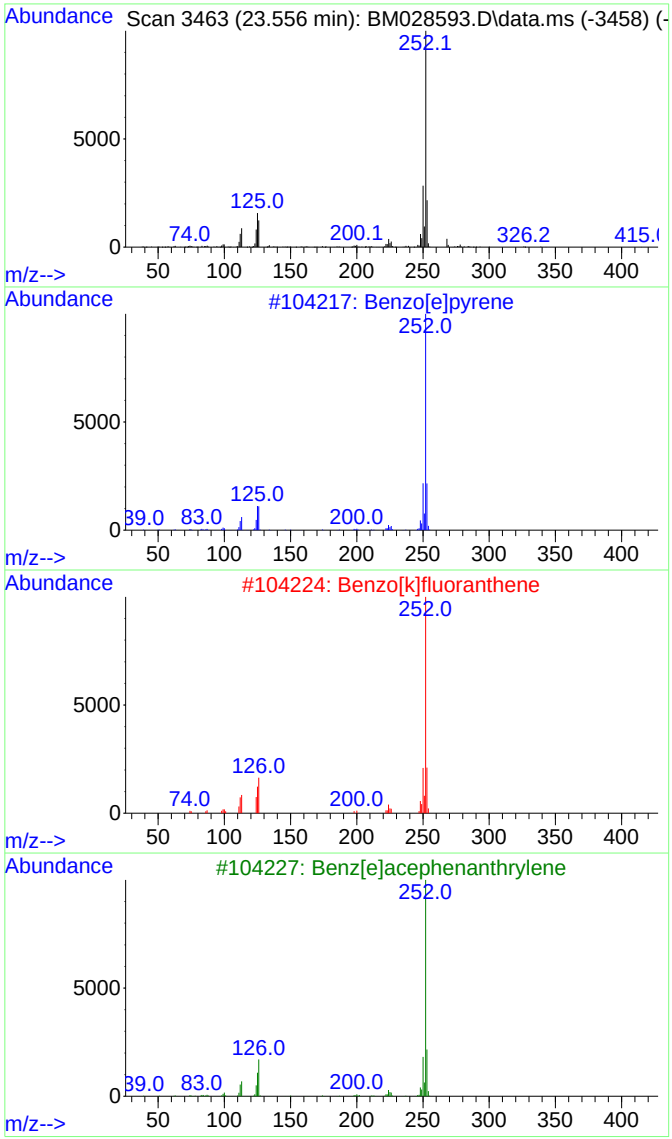
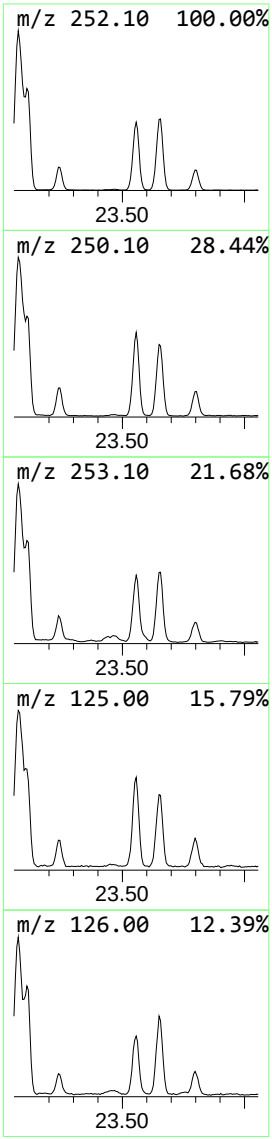
Peak Number 20 Benzo[e]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.556	24.33 ng	380702	Perylene-d12	23.750

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
Data File : BM028593.D
Acq On : 28 Jan 2021 18:33
Operator : CG/JU
Sample : M1254-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CRT-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.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
Naphthalene, 2,...	13.933	51.0	ng	832327	3	14.616	326219	20.0
Naphthalene, 2,...	13.986	31.9	ng	520978	3	14.616	326219	20.0
Naphthalene, 2,...	15.080	27.8	ng	452643	3	14.616	326219	20.0
Naphthalene, 1,...	15.227	26.2	ng	426870	3	14.616	326219	20.0
Naphthalene, 1,...	15.398	24.5	ng	399485	3	14.616	326219	20.0
[1,1'-Biphenyl]...	15.945	54.6	ng	890169	3	14.616	326219	20.0
9H-Fluorene, 2-...	16.657	44.5	ng	771920	4	17.351	347194	20.0
9H-Fluoren-9-one	17.010	34.4	ng	596835	4	17.351	347194	20.0
2,4,6-Trimethox...	17.074	35.8	ng	622139	4	17.351	347194	20.0
Dibenzothiophene	17.169	38.3	ng	664643	4	17.351	347194	20.0
Phenanthrene, 2...	18.215	81.7	ng	1418120	4	17.351	347194	20.0
Phenanthrene, 1...	18.268	85.6	ng	1486040	4	17.351	347194	20.0
4H-Cyclopenta[d...	18.416	108.1	ng	1876160	4	17.351	347194	20.0
Phenanthrene, 4...	18.445	30.5	ng	529691	4	17.351	347194	20.0
Naphthalene, 2-...	18.710	46.3	ng	803363	4	17.351	347194	20.0
9,10-Anthracene...	18.762	49.4	ng	857557	4	17.351	347194	20.0
Phenanthrene, 2...	19.127	32.8	ng	569583	4	17.351	347194	20.0
Naphthalic anhy...	19.163	57.9	ng	1004200	4	17.351	347194	20.0
Cyclopenta(def)...	19.280	63.7	ng	1105710	4	17.351	347194	20.0
Benzo[e]pyrene	23.556	24.3	ng	380702	6	23.750	312967	20.0