LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055863.D
Acq On : 1 Dec 2022 20:03
Operator : CG/JU
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S1

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_G\Methods\8270-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG055863.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.749	412	419	425	rVV	593269	967092	6.97%	0.530%
2	7.365	684	694	700	rBV	569461	1047060	7.55%	0.574%
3	8.752	922	930	939	rBV	357705	624772	4.51%	0.343%
4	9.380	1030	1037	1049	rBV	351971	657676	4.74%	0.361%
5	11.037	1312	1319	1322	rBV	205624	368312	2.66%	0.202%
6	11.096	1322	1329	1337	rVB	1862380	3459741	24.95%	1.898%
7	11.213	1337	1349	1356	rBV	553729	1035263	7.47%	0.568%
8	12.412	1545	1553	1561	rBV	1502201	2632310	18.98%	1.444%
9	12.682	1588	1599	1605	rBV	1628564	2709253	19.54%	1.486%
10	12.900	1624	1636	1645	rVB	1374924	2464648	17.77%	1.352%
11	13.458	1725	1731	1737	rBV	909813	1442363	10.40%	0.791%
12	13.528	1737	1743	1757	rVB	619969	1174849	8.47%	0.644%
13	13.669	1762	1767	1777	rVB	438705	691107	4.98%	0.379%
14	14.010	1812	1825	1832	rBV2	678805	1647693	11.88%	0.904%
15	14.157	1842	1850	1855	rBV	794905	1524047	10.99%	0.836%
16	14.216	1855	1860	1868	rVV2	579462	1311927	9.46%	0.720%
17	14.286	1868	1872	1880	rVB	341799	555989	4.01%	0.305%
18	14.392	1881	1890	1894	rBV	372143	625925	4.51%	0.343%
19	14.568	1910	1920	1928	rBV	1876766	3258141	23.49%	1.787%
20	14.798	1953	1959	1962	rBV	240055	376090	2.71%	0.206%
21	14.833	1962	1965	1971	rVB	303730	458738	3.31%	0.252%
22	14.903	1971	1977	1983	rVB2	404660	654240	4.72%	0.359%
23	15.232	2025	2033	2039	rVB2	1146874	2013122	14.52%	1.104%
24	15.297	2039	2044	2050	rVB	296170	446095	3.22%	0.245%
25	15.432	2060	2067	2073	rBV4	293206	713251	5.14%	0.391%
26	15.702	2108	2113	2118	rBV	380442	579834	4.18%	0.318%
27	15.826	2130	2134	2138	rVV	272998	439125	3.17%	0.241%
28	15.884	2138	2144	2154	rVB	2491835	4262082	30.73%	2.338%
29	16.167	2186	2192	2197	rBV	327867	545435	3.93%	0.299%
30	16.319	2214	2218	2225	rVB2	1002085	1865430	13.45%	1.023%
31	16.543	2251	2256	2266	rVB3	176796	370571	2.67%	0.203%
32	16.807	2294	2301	2305	rVV2	214205	453311	3.27%	0.249%
33	16.877	2305	2313	2318	rVV	641195	1368670	9.87%	0.751%
34	16.930	2318	2322	2327	rVB	326913	466970	3.37%	0.256%
35	17.024	2333	2338	2343	rBV	310752	498020	3.59%	0.273%
36	17.236	2370	2374	2380	rVB4	244048	385202	2.78%	0.211%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055863.D
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Operator : CG/JU
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S1

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_G\Methods\8270-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.400	2396	2402	2416	rVB	1883387	3152898	22.74%	1.729%
38	17.588	2427	2434	2435	rBV	332564	530625	3.83%	0.291%
39	17.647	2435	2444	2449	rVV	6550311	13867522	100.00%	7.606%
40	17.724	2449	2457	2462	rVV	3040151	5082310	36.65%	2.787%
41	17.771	2462	2465	2469	rVV	267362	429830	3.10%	0.236%
42	17.859	2475	2480	2489	rVB2	206292	451597	3.26%	0.248%
43	17.982	2497	2501	2506	rVB	527663	778119	5.61%	0.427%
44	18.088	2515	2519	2524	rBV	280178	394192	2.84%	0.216%
45	18.164	2526	2532	2539	rVB	1056283	1686298	12.16%	0.925%
46	18.305	2547	2556	2563	rVB	921193	2102027	15.16%	1.153%
47	18.458	2575	2582	2586	rBV	1898533	3326127	23.99%	1.824%
48	18.505	2586	2590	2596	rVB	2358973	3645610	26.29%	1.999%
49	18.587	2598	2604	2609	rBV	946870	1522507	10.98%	0.835%
50	18.658	2609	2616	2619	rBV2	2321606	4820192	34.76%	2.644%
51	18.687	2619	2621	2625	rVB	1191788	1270197	9.16%	0.697%
52	18.846	2644	2648	2652	rVV	353330	488450	3.52%	0.268%
53	18.940	2659	2664	2668	rVV2	1279608	1890739	13.63%	1.037%
54	18.998	2668	2674	2682	rVB	535015	1263308	9.11%	0.693%
55	19.110	2687	2693	2698	rBV2	314928	691584	4.99%	0.379%
56	19.181	2698	2705	2709	rBV3	450261	929273	6.70%	0.510%
57	19.233	2710	2714	2718	rBV	641307	846146	6.10%	0.464%
58	19.275	2718	2721	2726	rVB3	618649	813916	5.87%	0.446%
59	19.357	2729	2735	2740	rBV2	1367700	2569195	18.53%	1.409%
60	19.422	2740	2746	2749	rBV3	458012	886267	6.39%	0.486%
61	19.498	2754	2759	2766	rBV2	306987	870919	6.28%	0.478%
62	19.639	2774	2783	2787	rBV	5270978	9733931	70.19%	5.339%
63	19.680	2787	2790	2793	rVV	413031	613840	4.43%	0.337%
64	19.715	2793	2796	2800	rVB2	262472	381513	2.75%	0.209%
65	19.774	2801	2806	2811	rBV	1530777	2318933	16.72%	1.272%
66	19.868	2816	2822	2832	rVB3	796160	1652598	11.92%	0.906%
67	19.956	2832	2837	2838	rBV	790339	950242	6.85%	0.521%
68	20.003	2838	2845	2849	rVB	5274467	9856313	71.07%	5.406%
69	20.050	2849	2853	2859	rBV2	565408	844876	6.09%	0.463%
70	20.162	2868	2872	2877	rVB2	1627484	2368957	17.08%	1.299%
71	20.221	2877	2882	2888	rVB4	251933	522705	3.77%	0.287%
72	20.309	2890	2897	2902	rVB2	728775	1645960	11.87%	0.903%
73	20.444	2915	2920	2921	rVV3	732181	1167735	8.42%	0.640%
74	20.473	2921	2925	2932	rVB	1761532	2727117	19.67%	1.496%
75	20.573	2932	2942	2946	rBV	1616537	2868868	20.69%	1.573%
76	20.632	2948	2952	2960	rVB	1090759	1708500	12.32%	0.937%

LSC Area Percent Report

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Acq On : 1 Dec 2022 20:03
Operator : CG/JU
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.773	2971	2976	2979	rBV	794970	1134012	8.18%	0.622%
78	20.820	2980	2984	2991	rVB	1038438	1593468	11.49%	0.874%
79	21.443	3085	3090	3093	rBV	954194	1555035	11.21%	0.853%
80	21.478	3093	3096	3101	rVB	759024	1164477	8.40%	0.639%
81	21.537	3101	3106	3109	rBV2	613125	976535	7.04%	0.536%
82	21.572	3110	3112	3121	rVB2	317280	510123	3.68%	0.280%
83	21.725	3135	3138	3149	rVB	429234	777658	5.61%	0.427%
84	21.866	3154	3162	3168	rVV3	3283546	7599257	54.80%	4.168%
85	21.930	3169	3173	3183	rVB	2650945	4908782	35.40%	2.692%
86	22.030	3185	3190	3195	rVB2	348122	604855	4.36%	0.332%
87	22.154	3207	3211	3220	rVB3	411583	973531	7.02%	0.534%
88	22.301	3231	3236	3242	rBV	347906	732066	5.28%	0.402%
89	22.365	3243	3247	3259	rVB3	250193	615305	4.44%	0.337%
90	22.635	3284	3293	3300	rBV	769942	1974242	14.24%	1.083%
91	22.712	3302	3306	3311	rVB	411787	705698	5.09%	0.387%
92	22.865	3327	3332	3337	rVB4	269168	526753	3.80%	0.289%
93	22.923	3337	3342	3347	rBV3	348565	763749	5.51%	0.419%
94	23.064	3361	3366	3376	rVB3	235517	484860	3.50%	0.266%
95	24.204	3550	3560	3566	rBV	1264684	4534146	32.70%	2.487%
96	24.463	3597	3604	3612	rVB	449924	1172021	8.45%	0.643%
97	24.962	3680	3689	3704	rVB	959408	3086495	22.26%	1.693%
98	25.132	3706	3718	3727	rVV	1621480	4836872	34.88%	2.653%
99	25.356	3750	3756	3770	rVB2	444830	1443835	10.41%	0.792%
100	29.198	4400	4410	4427	rVB3	389480	1890830	13.63%	1.037%

Sum of corrected areas: 182330895

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055863.D
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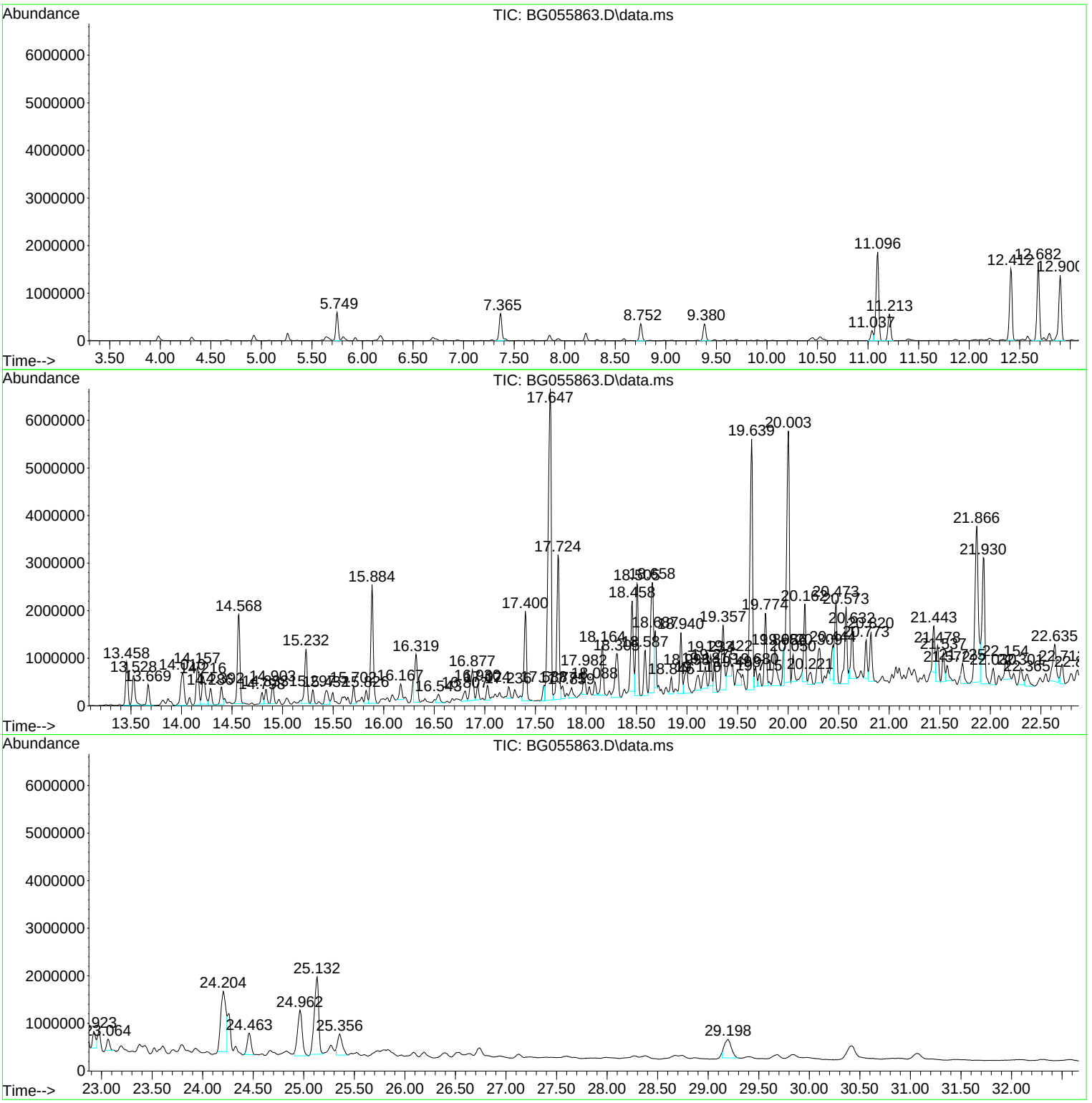
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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_G\Data\BG120122\
Data File : BG055863.D
Acq On : 1 Dec 2022 20:03
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Instrument :
BNA_G
ClientSampleId :
S1

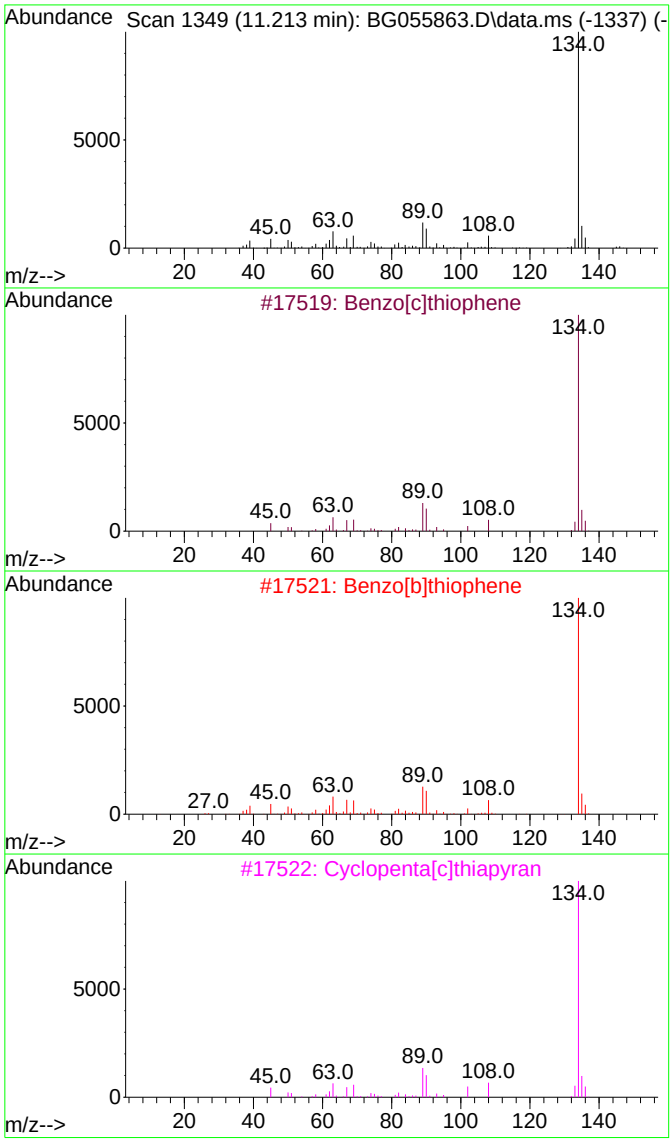
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

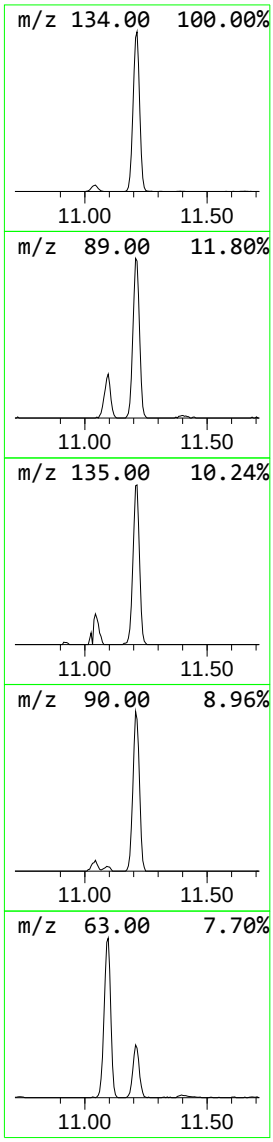
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzo[c]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.214	56.22 ng	1035260	Naphthalene-d8	11.037

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	2H-Benzimidazol-2-one, 1,3-dihydro-	134	C7H6N2O	000615-16-7	42
5	[1]Benzothieno[2',3':3,4]cyclobu...	246	C13H10O3S	034002-19-2	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055863.D
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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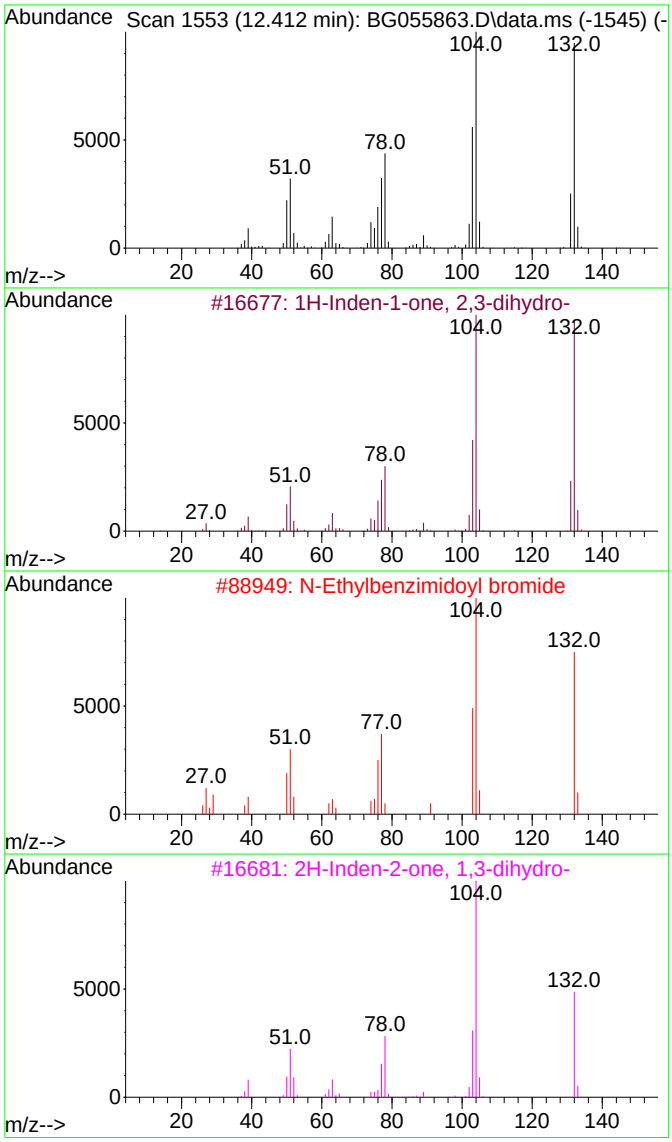
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

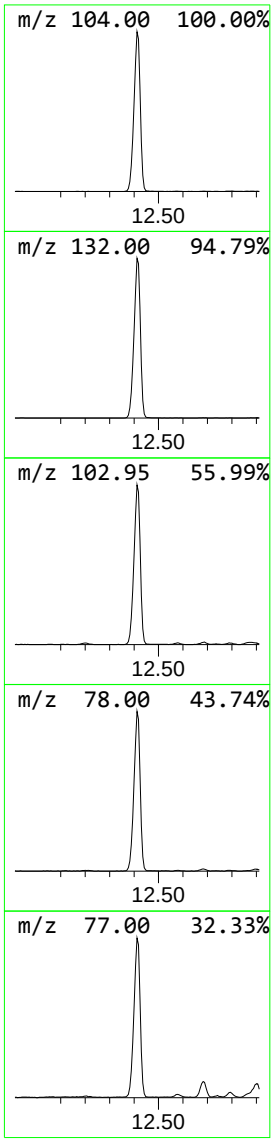
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.412	142.94 ng	2632310	Naphthalene-d8	11.037

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	96
2	N-Ethylbenzimidoyl bromide	211	C9H10BrN	041182-87-0	72
3	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	64
4	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	64
5	Styrene	104	C8H8	000100-42-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055863.D
Acq On : 1 Dec 2022 20:03
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Sample : N5819-01
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ALS Vial : 11 Sample Multiplier: 1

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BNA_G
ClientSampleId :
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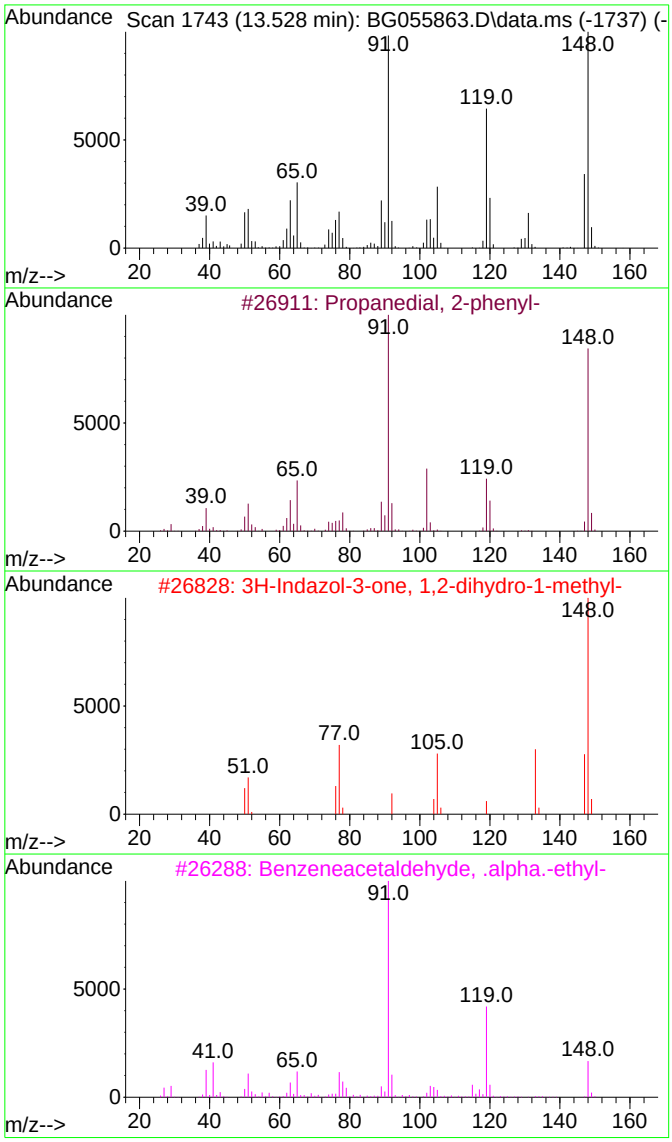
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

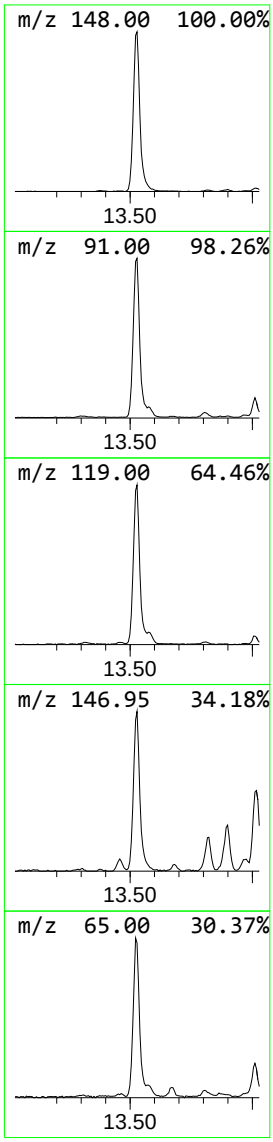
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Propanedial, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.528	51.22 ng	1174850	Acenaphthene-d10	14.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanedial, 2-phenyl-	148	C9H8O2	026591-66-2	58
2	3H-Indazol-3-one, 1,2-dihydro-1-...	148	C8H8N2O	001006-19-5	55
3	Benzeneacetaldehyde, .alpha.-ethyl-	148	C10H12O	002439-43-2	53
4	1-Methyl-1H-pyrazolo[3,4-b]pyrid...	148	C7H8N4	072583-83-6	52
5	3-Pyridinecarbonitrile, 1,2-dihy...	148	C8H8N2O	000769-28-8	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055863.D
Acq On : 1 Dec 2022 20:03
Operator : CG/JU
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

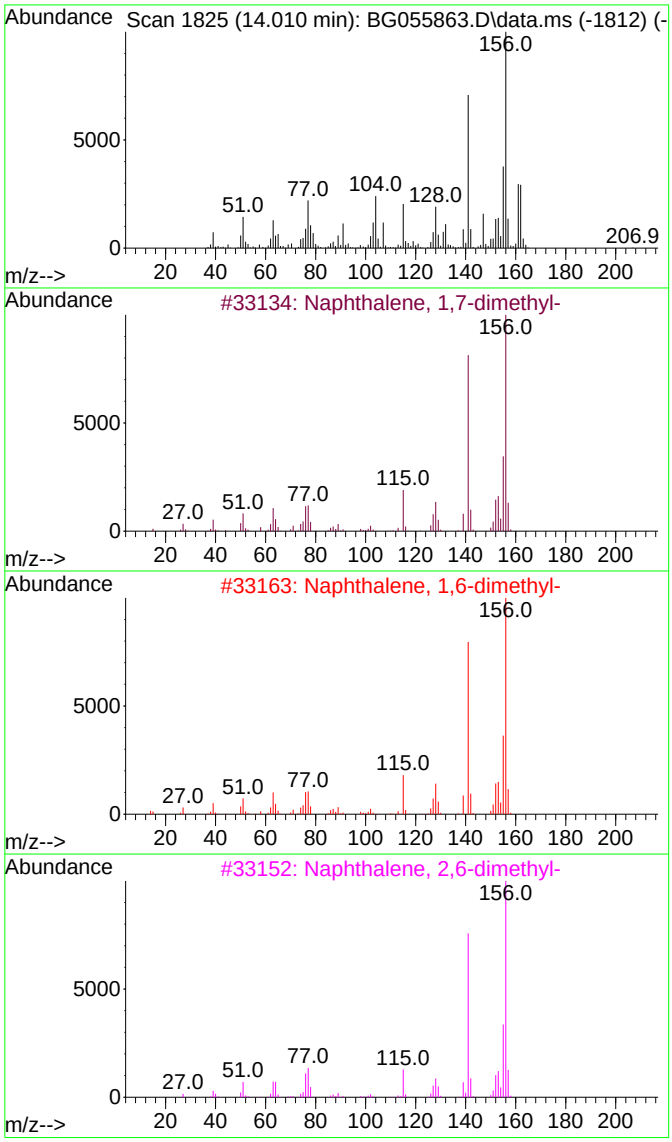
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

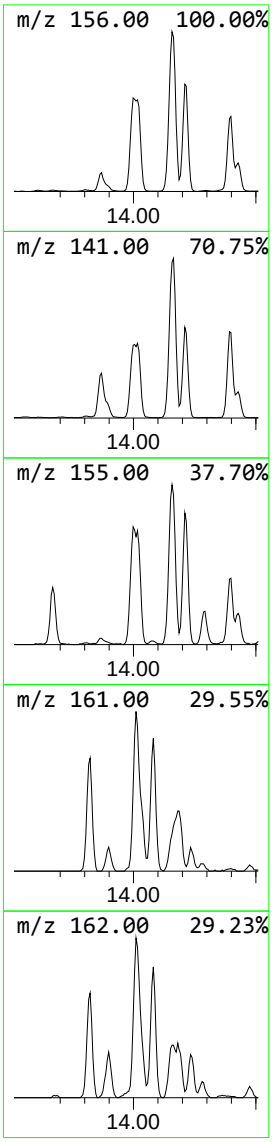
****

Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.010	71.84 ng	1647690	Acenaphthene-d10	14.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055863.D
Acq On : 1 Dec 2022 20:03
Operator : CG/JU
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

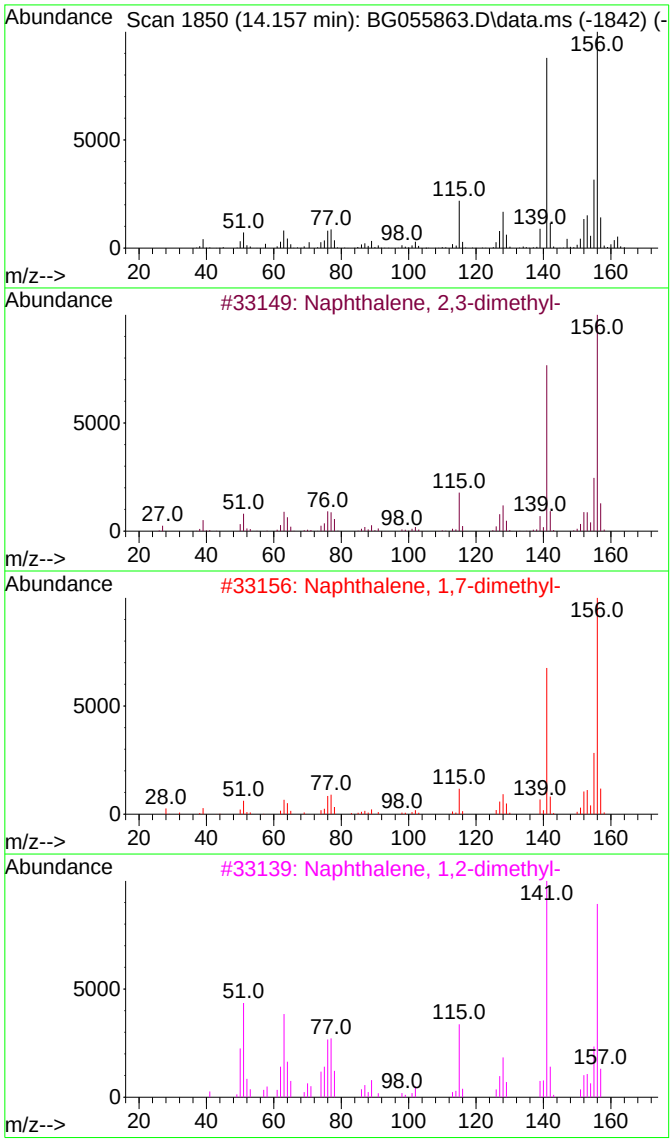
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

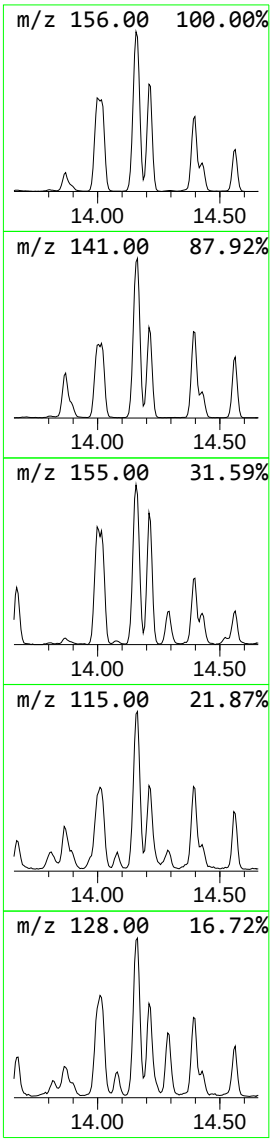
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.157	66.45 ng	1524050	Acenaphthene-d10	14.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Acq On : 1 Dec 2022 20:03
Operator : CG/JU
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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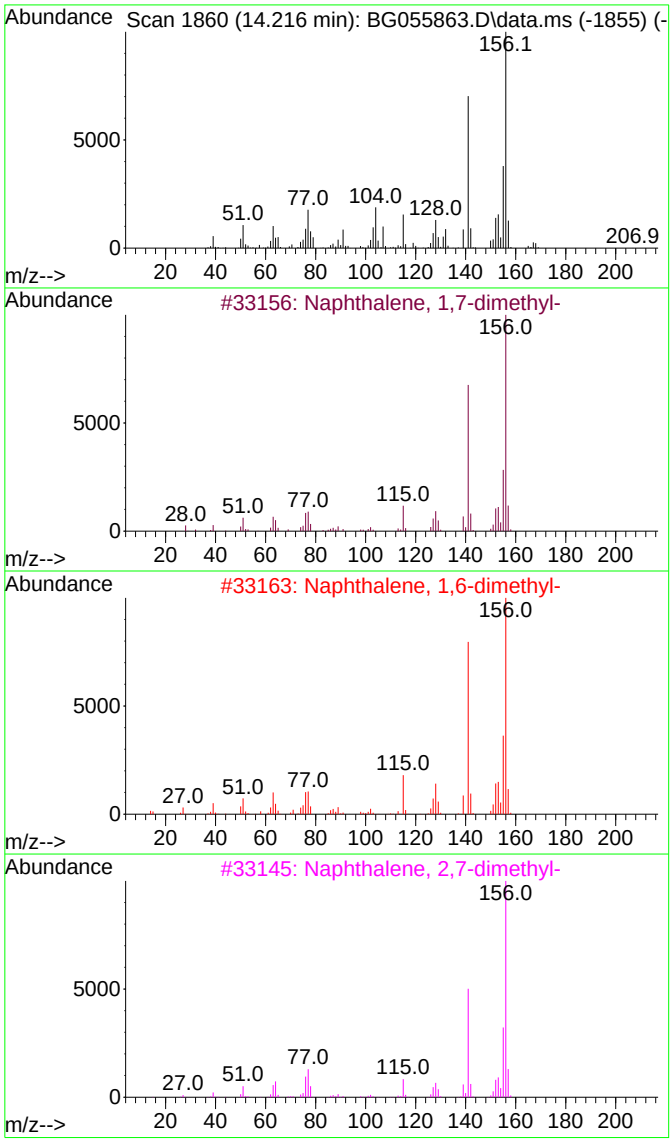
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

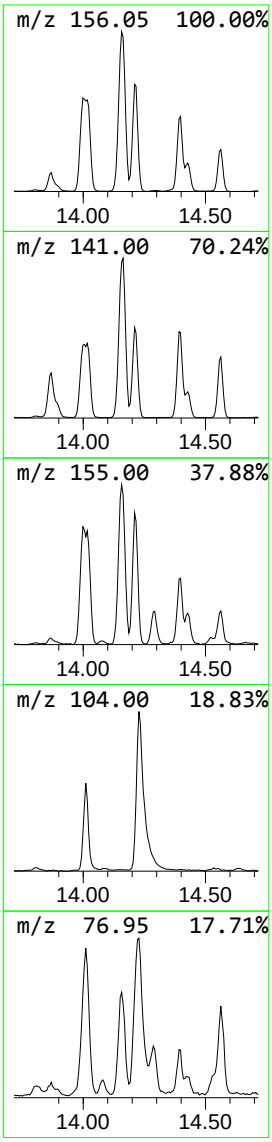
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.216	57.20 ng	1311930	Acenaphthene-d10	14.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S1

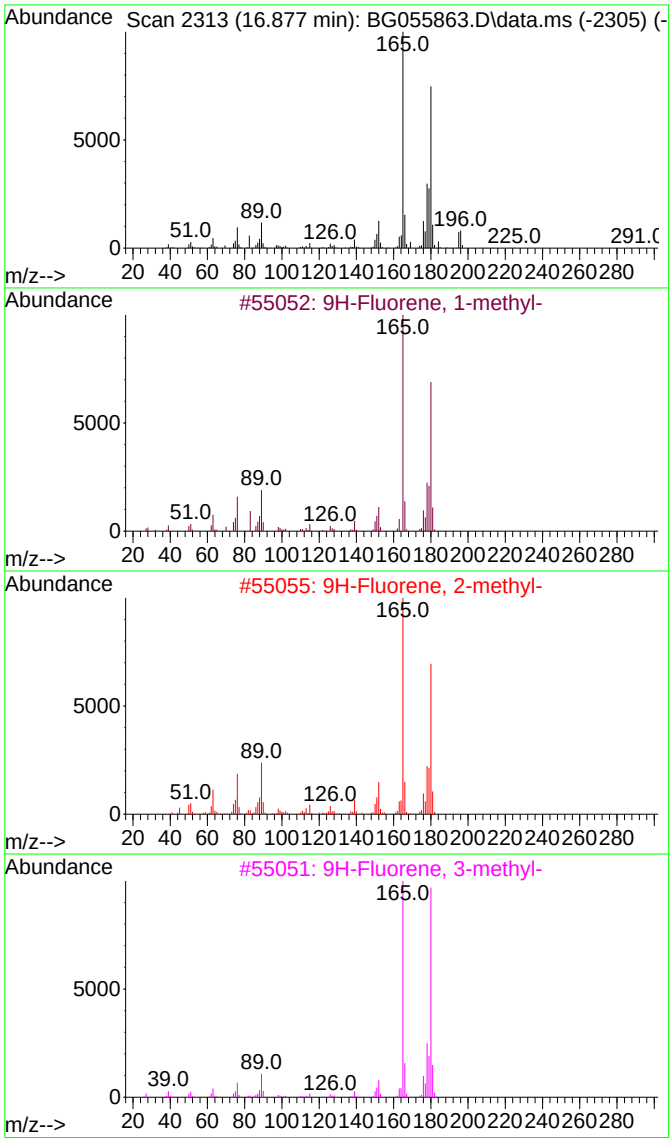
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

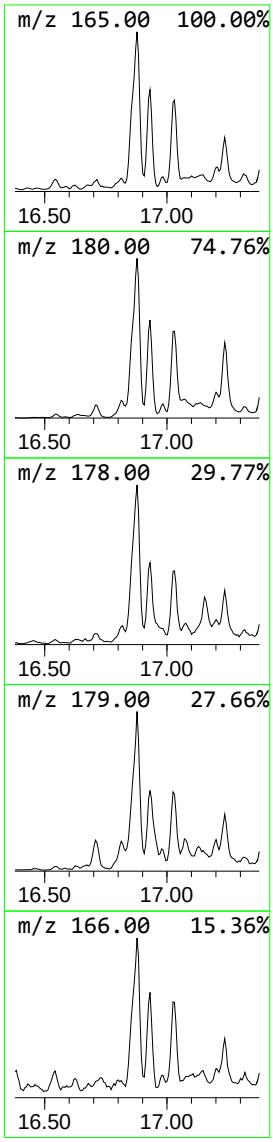
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.877	51.59 ng	1368670	Phenanthrene-d10	17.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





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BNA_G
ClientSampleId :
S1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

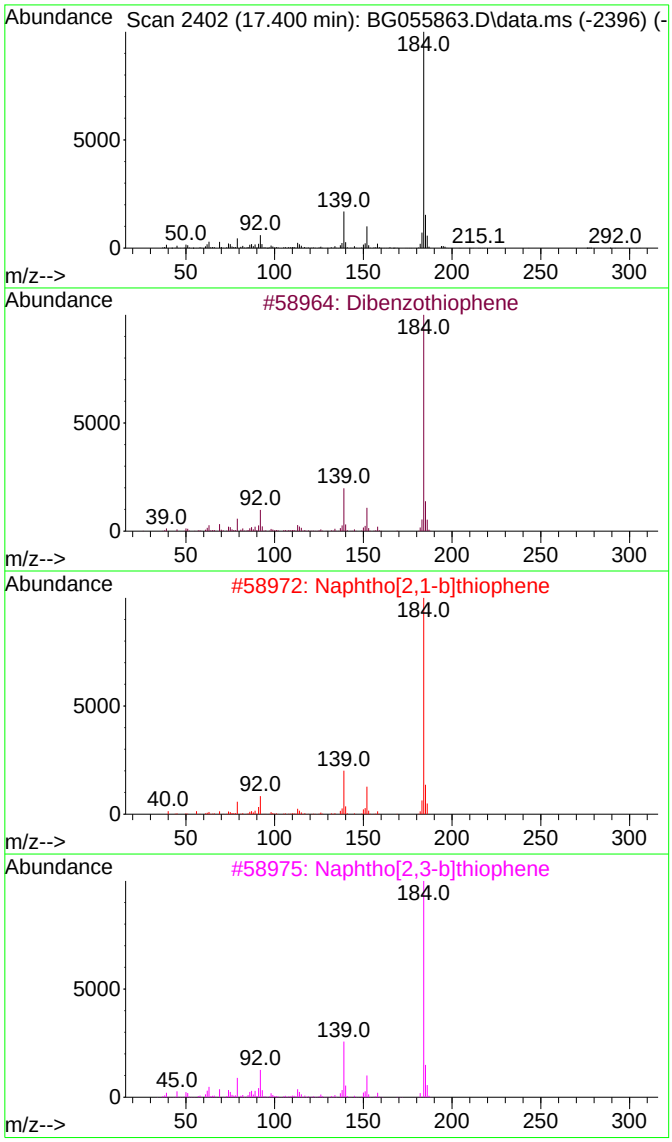
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

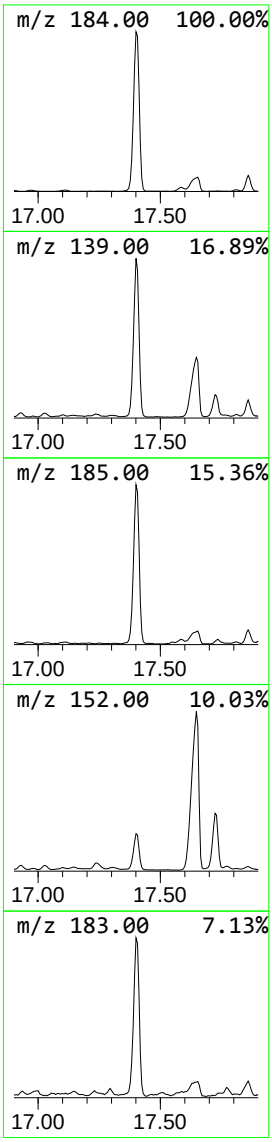
****

Peak Number 8 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.400	118.84 ng	3152900	Phenanthrene-d10	17.583

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[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Acq On : 1 Dec 2022 20:03
Operator : CG/JU
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S1

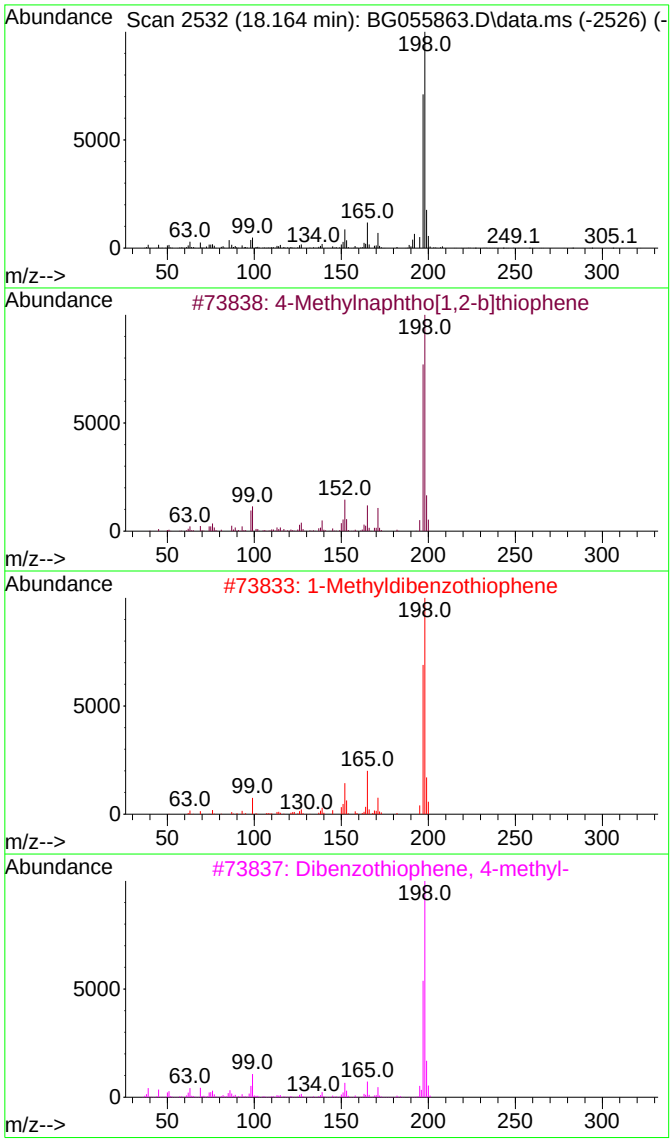
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

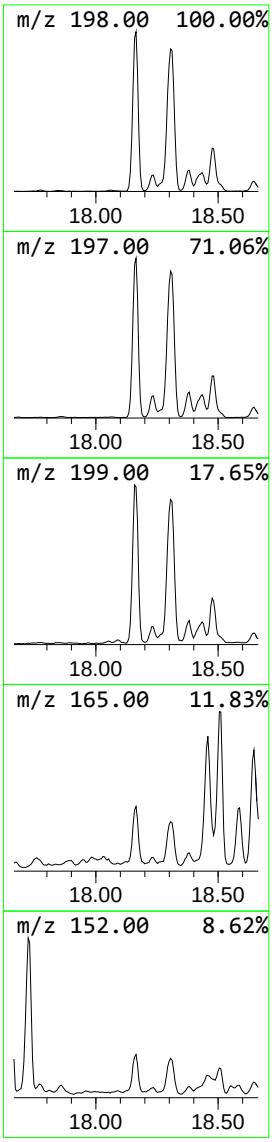
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.164	63.56 ng	1686300	Phenanthrene-d10	17.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	97
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90





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Acq On : 1 Dec 2022 20:03
Operator : CG/JU
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :
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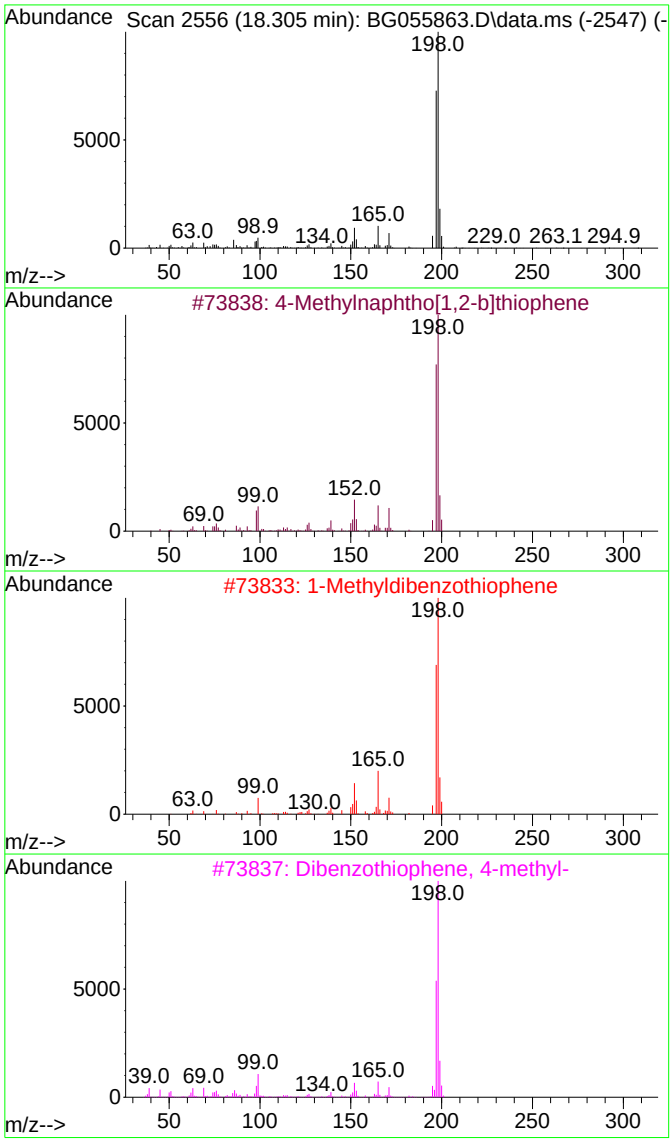
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

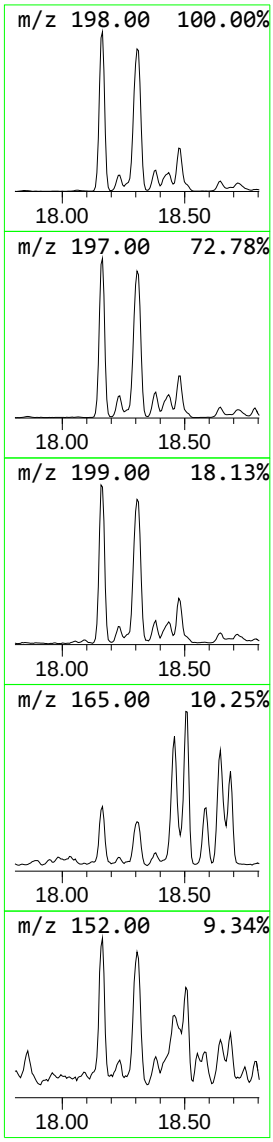
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1-Methyldibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.305	79.23 ng	2102030	Phenanthrene-d10	17.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	97
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90





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Operator : CG/JU
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :
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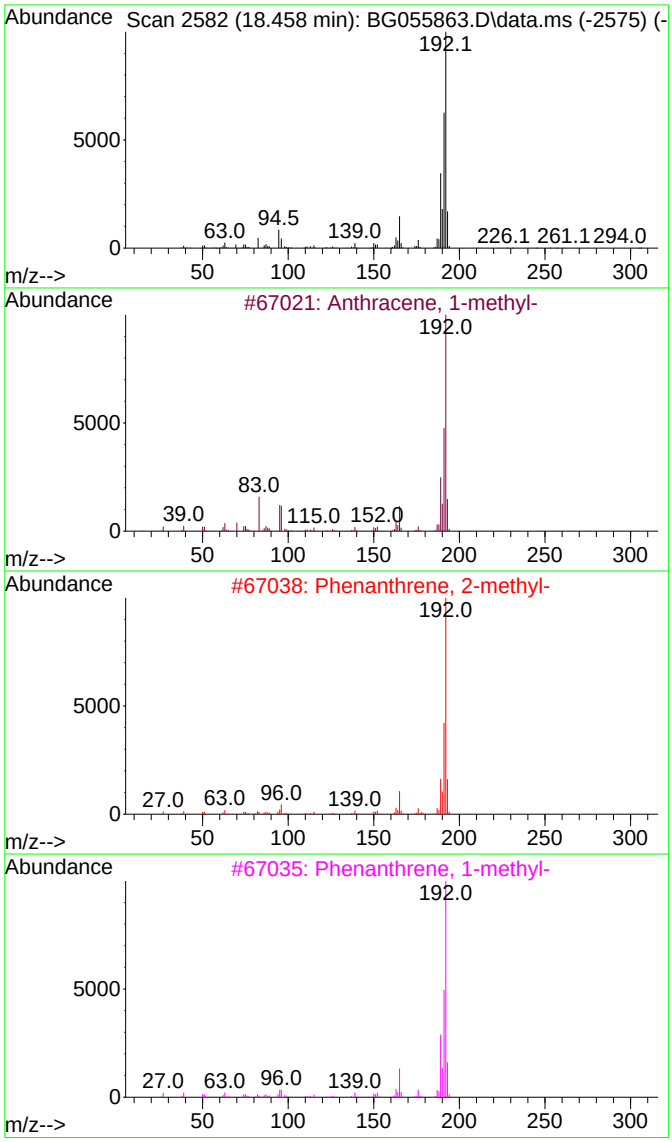
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

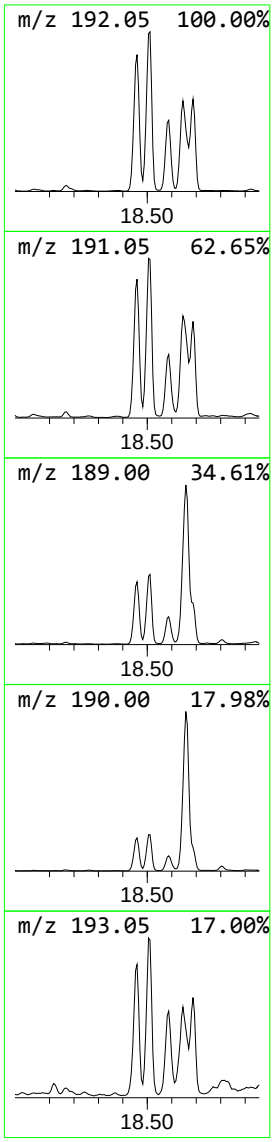
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.458	125.37 ng	3326130	Phenanthrene-d10	17.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Acq On : 1 Dec 2022 20:03
Operator : CG/JU
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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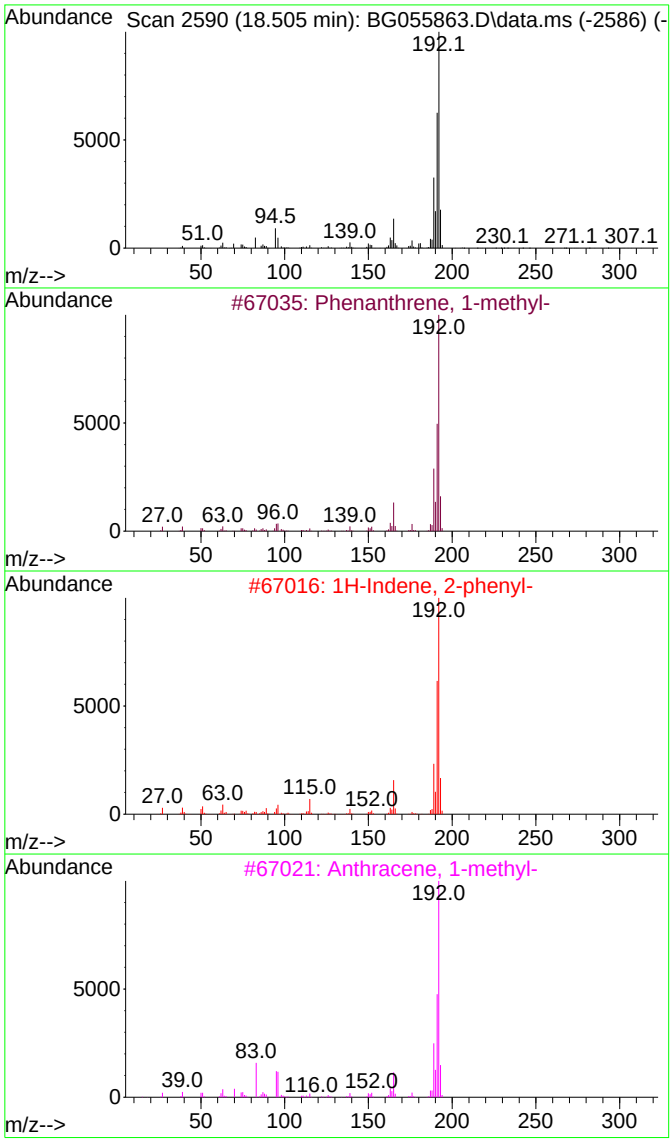
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

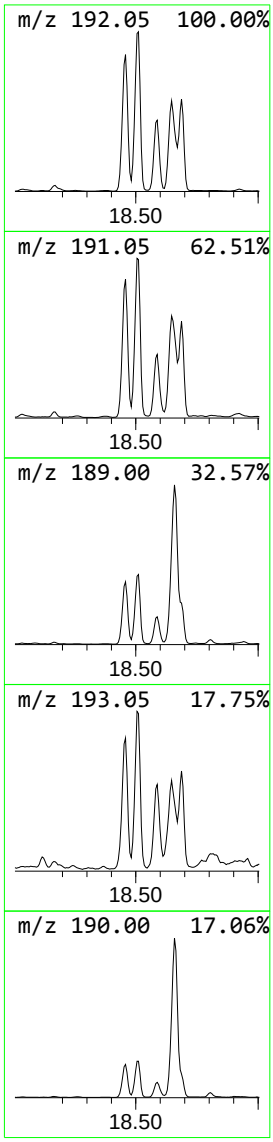
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.505	137.41 ng	3645610	Phenanthrene-d10	17.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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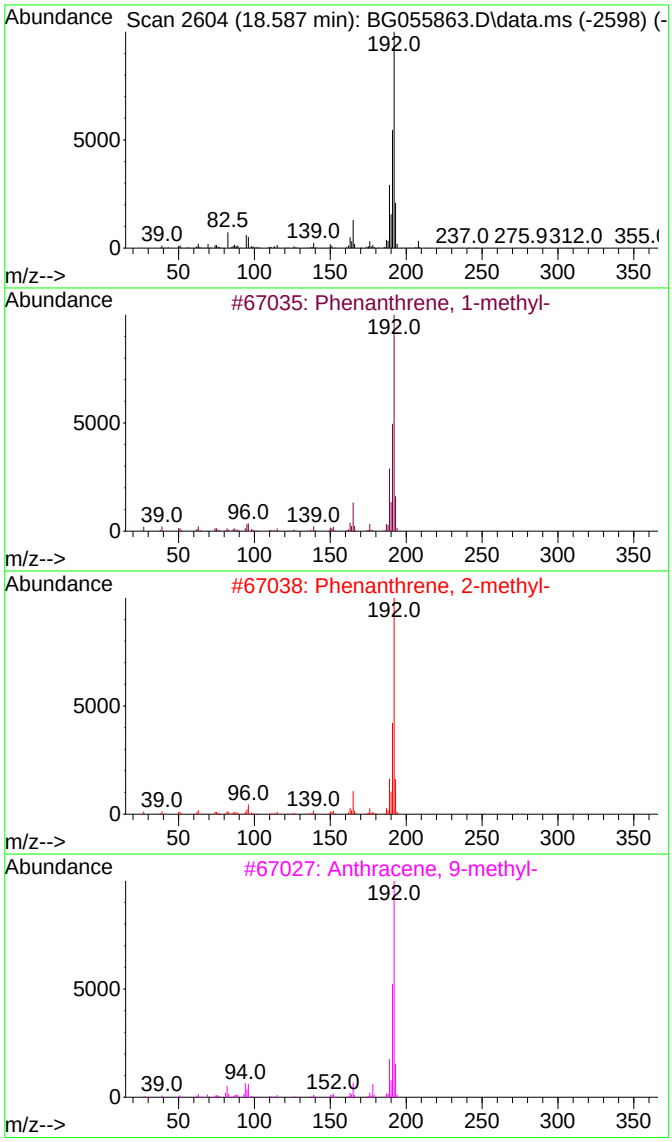
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

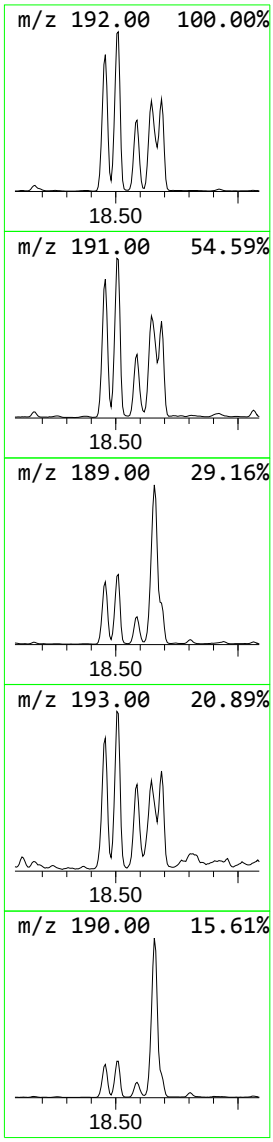
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.587	57.39 ng	1522510	Phenanthrene-d10	17.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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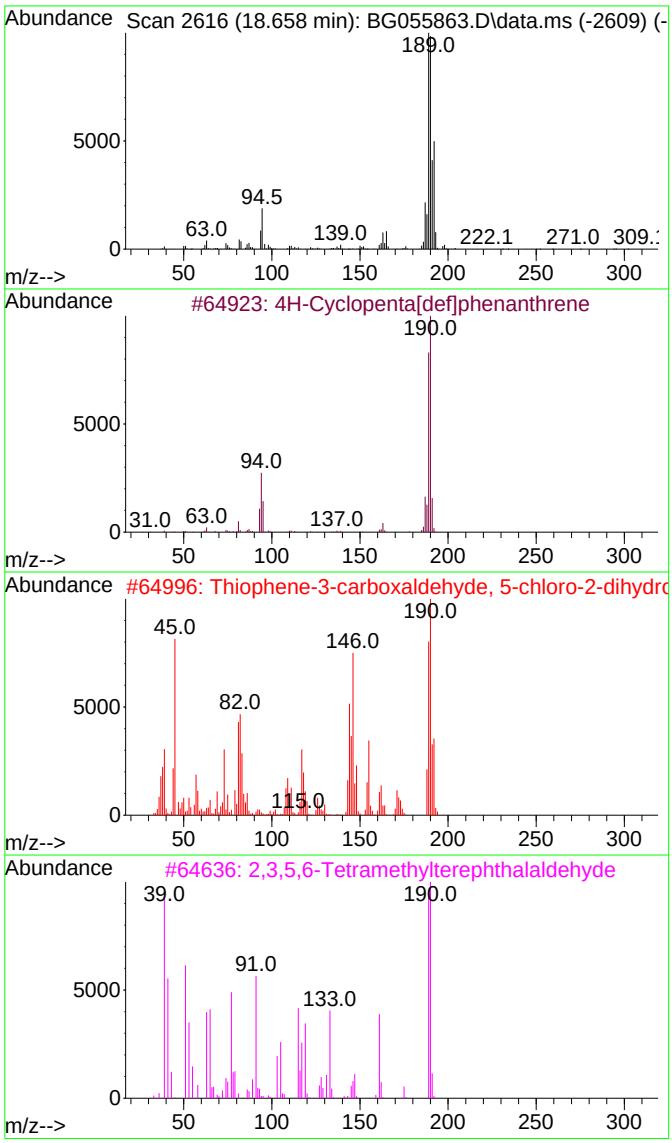
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

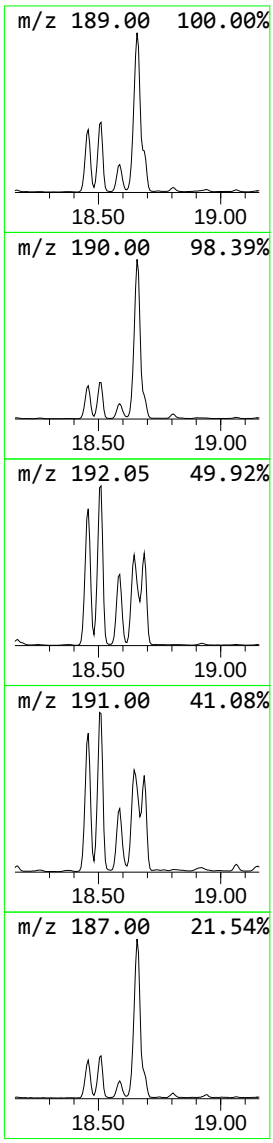
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.658	181.68 ng	4820190	Phenanthrene-d10	17.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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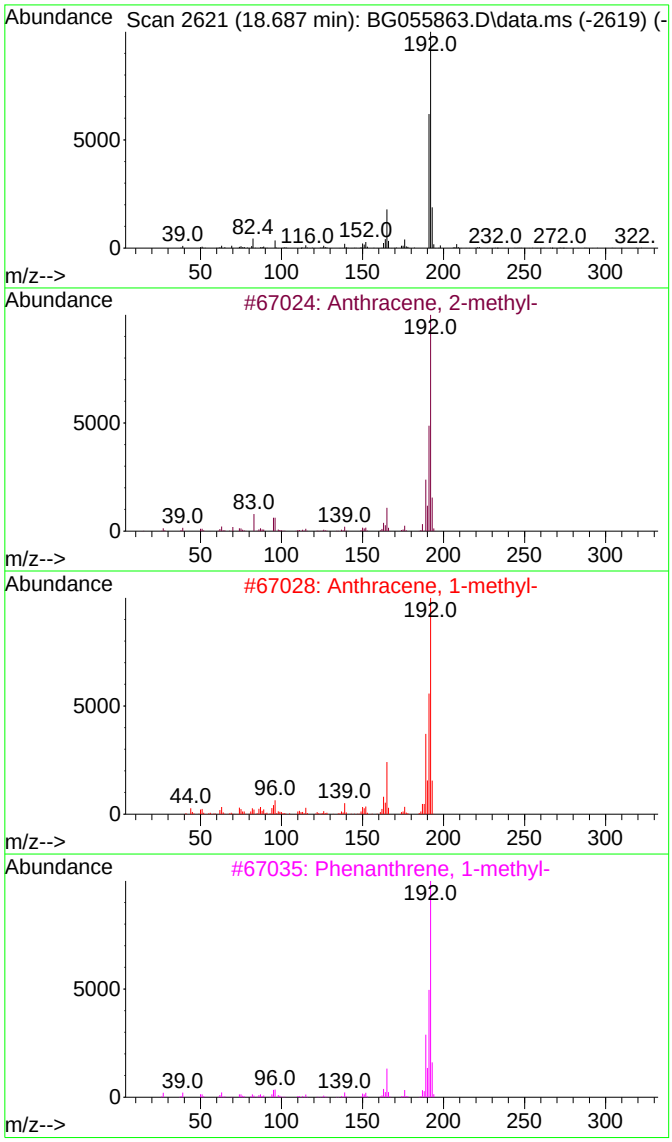
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

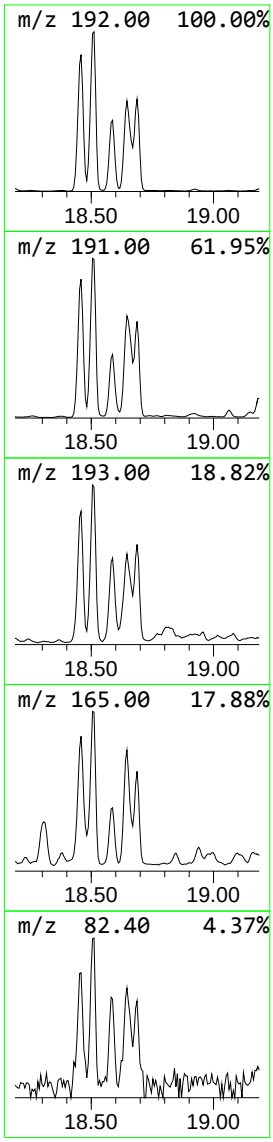
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.687	47.88 ng	1270200	Phenanthrene-d10	17.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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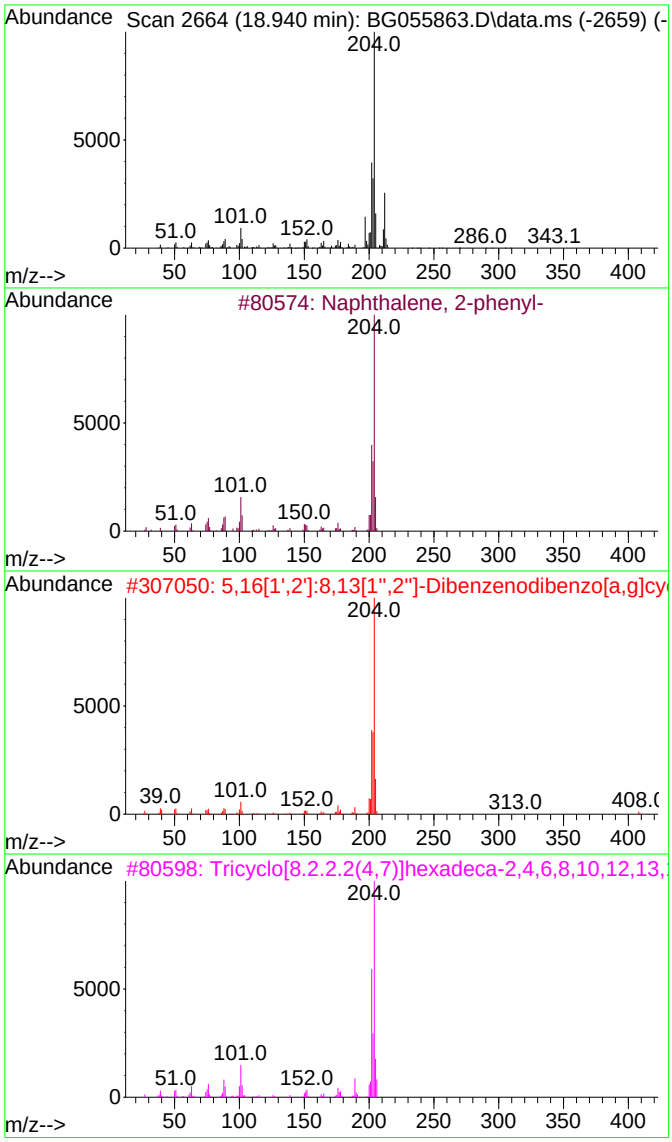
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

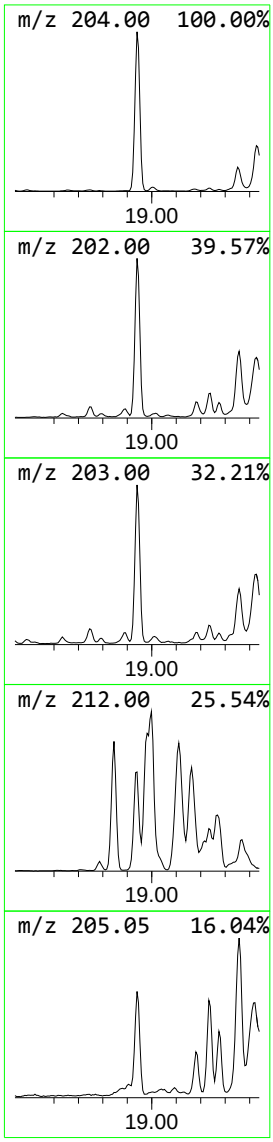
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.940	71.26 ng	1890740	Phenanthrene-d10	17.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	45





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Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S1

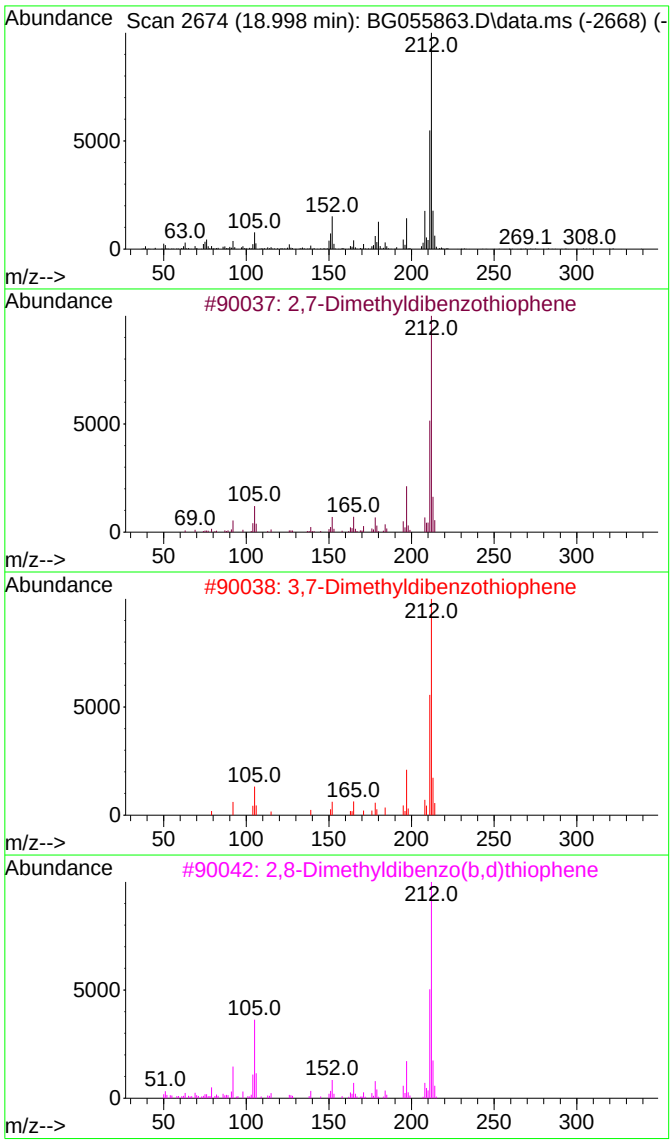
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

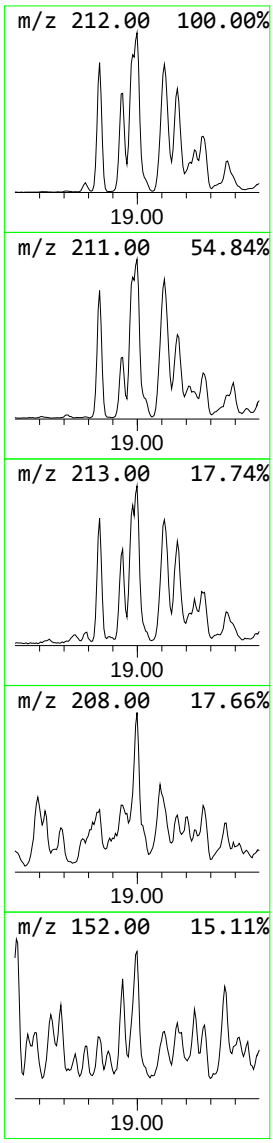
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 2,7-Dimethyldibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.999	47.62 ng	1263310	Phenanthrene-d10	17.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	91
2	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	91
3	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	91
4	Pinosylvin	212	C14H12O2	022139-77-1	80
5	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055863.D
Acq On : 1 Dec 2022 20:03
Operator : CG/JU
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

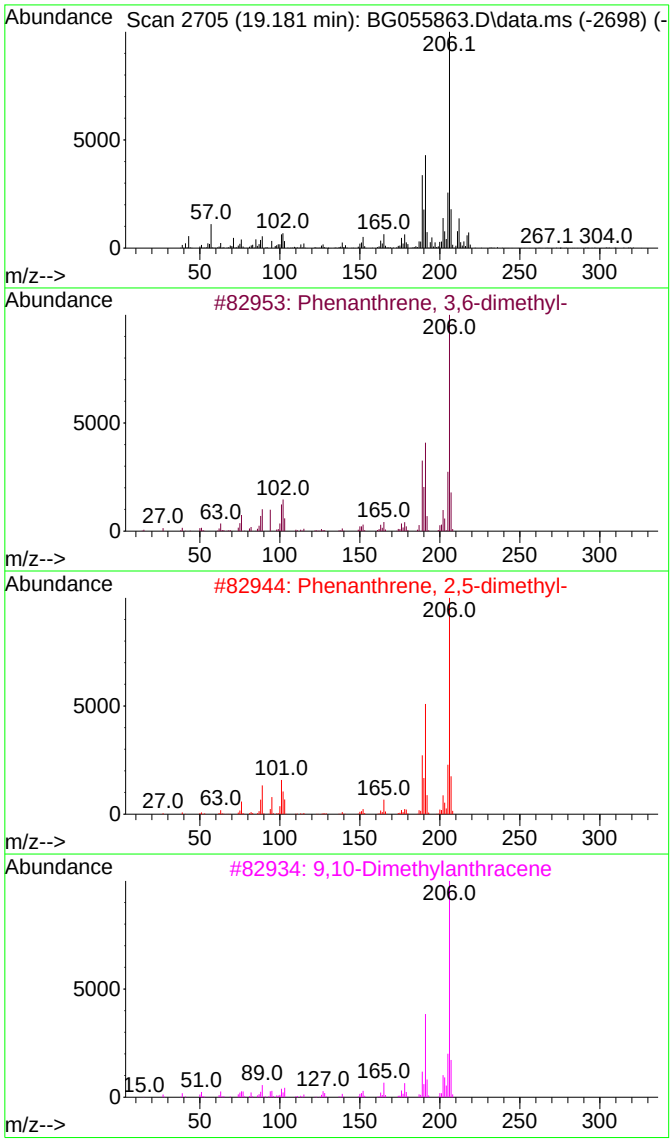
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

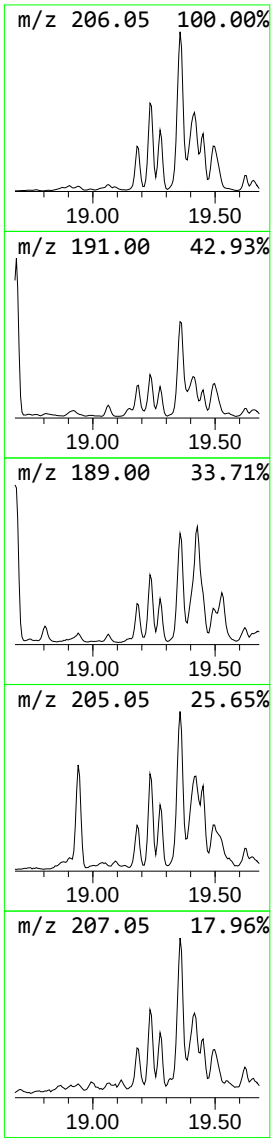
****

Peak Number 18 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.181	35.03 ng	929273	Phenanthrene-d10	17.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055863.D
Acq On : 1 Dec 2022 20:03
Operator : CG/JU
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S1

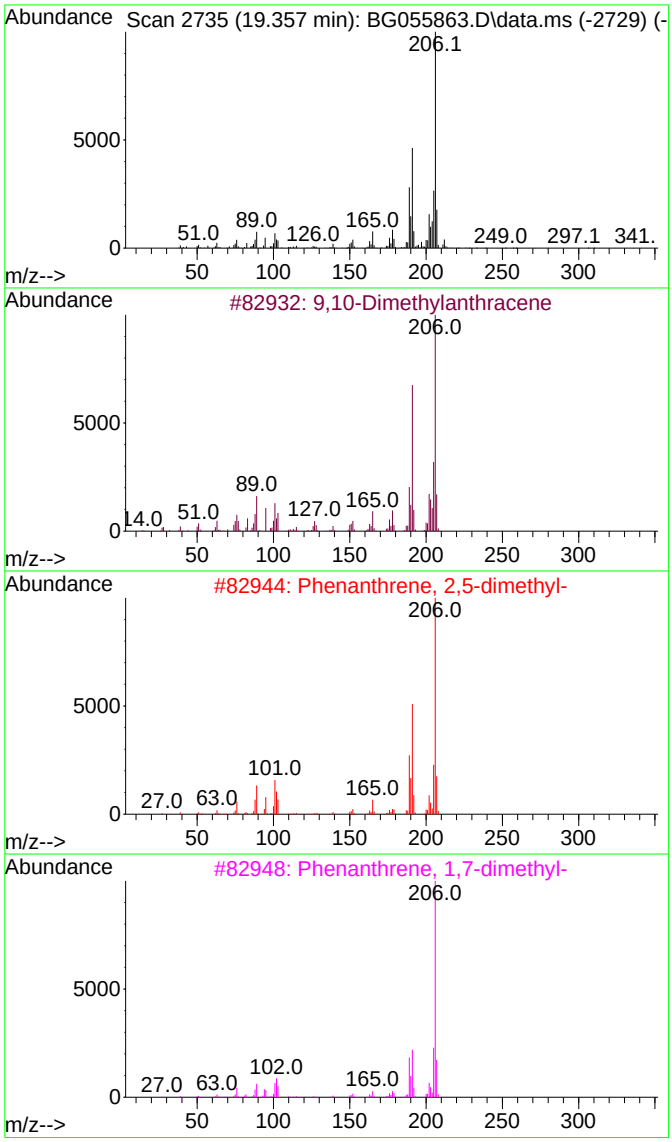
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

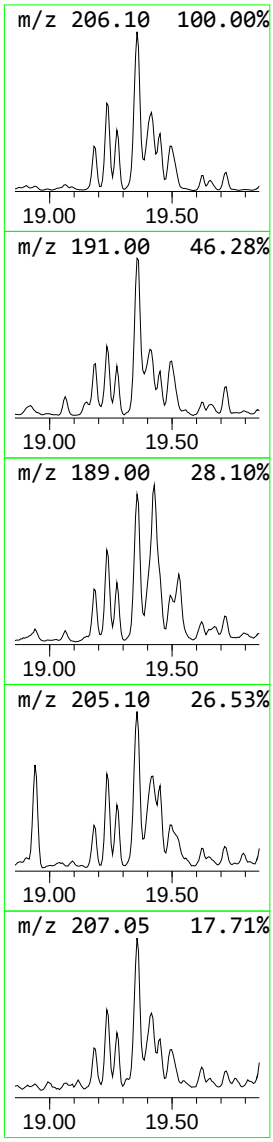
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.357	96.84 ng	2569200	Phenanthrene-d10	17.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055863.D
Acq On : 1 Dec 2022 20:03
Operator : CG/JU
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

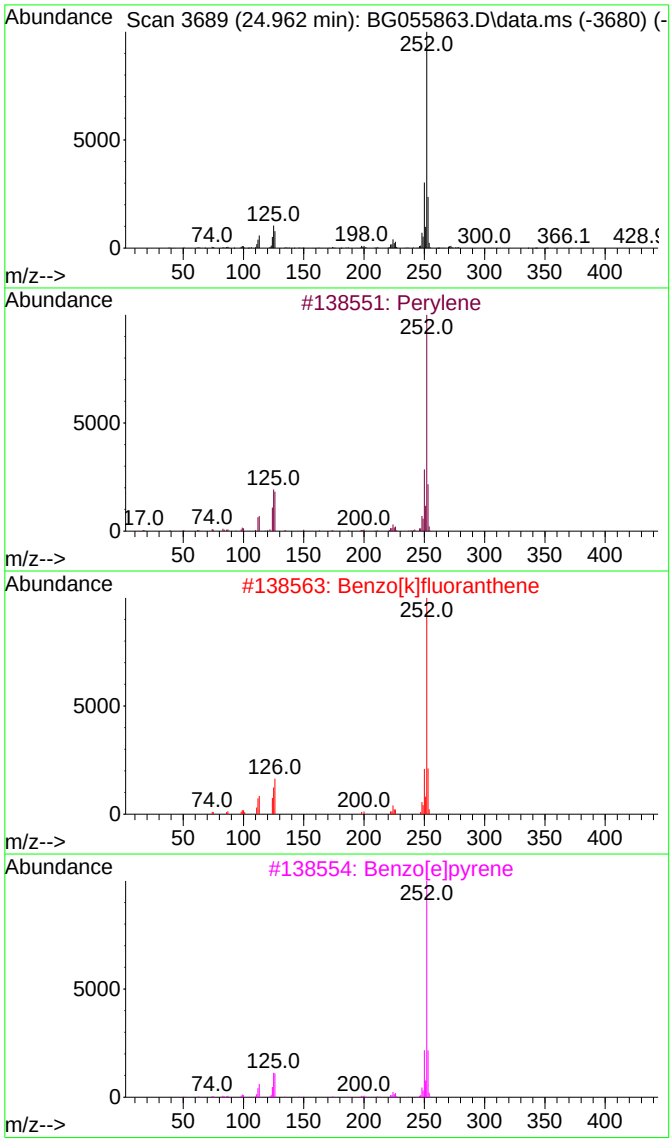
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

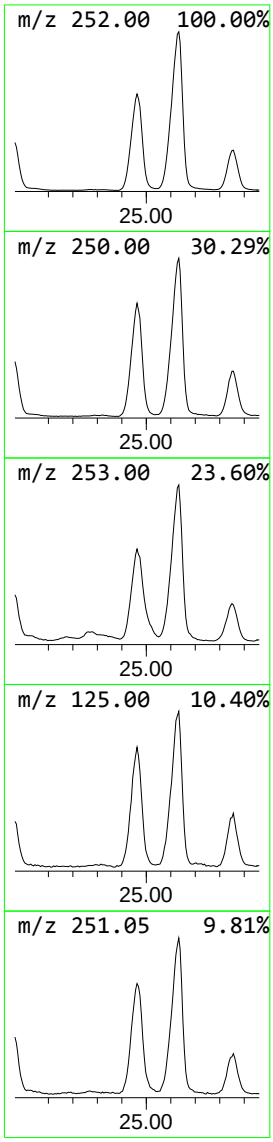
****

Peak Number 20 Perylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.962	42.75 ng	3086500	Perylene-d12	25.268

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[e]pyrene	252	C20H12	000192-97-2	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055863.D
Acq On : 1 Dec 2022 20:03
Operator : CG/JU
Sample : N5819-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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
Benzo[c]thiophene	11.214	56.2	ng	1035260	2	11.037	368312	20.0
1H-Inden-1-one,...	12.412	142.9	ng	2632310	2	11.037	368312	20.0
Propanedial, 2-...	13.528	51.2	ng	1174850	3	14.839	458738	20.0
Naphthalene, 1,...	14.010	71.8	ng	1647690	3	14.839	458738	20.0
Naphthalene, 2,...	14.157	66.5	ng	1524050	3	14.839	458738	20.0
Naphthalene, 1,...	14.216	57.2	ng	1311930	3	14.839	458738	20.0
9H-Fluorene, 1-...	16.877	51.6	ng	1368670	4	17.583	530625	20.0
Dibenzothiophene	17.400	118.8	ng	3152900	4	17.583	530625	20.0
4-Methylnaphtho...	18.164	63.6	ng	1686300	4	17.583	530625	20.0
1-Methyldibenzo...	18.305	79.2	ng	2102030	4	17.583	530625	20.0
Anthracene, 1-m...	18.458	125.4	ng	3326130	4	17.583	530625	20.0
Phenanthrene, 1...	18.505	137.4	ng	3645610	4	17.583	530625	20.0
Phenanthrene, 2...	18.587	57.4	ng	1522510	4	17.583	530625	20.0
4H-Cyclopenta[d...	18.658	181.7	ng	4820190	4	17.583	530625	20.0
Anthracene, 2-m...	18.687	47.9	ng	1270200	4	17.583	530625	20.0
Naphthalene, 2-...	18.940	71.3	ng	1890740	4	17.583	530625	20.0
2,7-Dimethyldib...	18.999	47.6	ng	1263310	4	17.583	530625	20.0
Phenanthrene, 3...	19.181	35.0	ng	929273	4	17.583	530625	20.0
9,10-Dimethylan...	19.357	96.8	ng	2569200	4	17.583	530625	20.0
Perylene	24.962	42.8	ng	3086500	6	25.268	1443840	20.0