LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054372.D
Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

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-BG071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054372.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.179	637	645	654	rVB	14124	25856	1.17%	0.112%
2	7.996	777	784	792	rBV	86002	150476	6.83%	0.653%
3	10.804	1254	1262	1267	rBV	112986	211247	9.59%	0.917%
4	10.857	1267	1271	1277	rVB	47843	82314	3.74%	0.357%
5	12.461	1537	1544	1550	rBB	57279	94124	4.27%	0.409%
6	12.678	1571	1581	1589	rBB	50661	86070	3.91%	0.374%
7	13.248	1672	1678	1685	rBB	48974	72826	3.31%	0.316%
8	13.801	1764	1772	1773	rBV2	24264	42018	1.91%	0.182%
9	13.953	1790	1798	1803	rBV2	47369	91079	4.13%	0.395%
10	14.006	1803	1807	1814	rVB	29544	44886	2.04%	0.195%
11	14.188	1828	1838	1842	rBV	24236	42467	1.93%	0.184%
12	14.353	1856	1866	1877	rBV2	30962	56163	2.55%	0.244%
13	14.629	1902	1913	1919	rBV	191593	320249	14.54%	1.390%
14	14.694	1919	1924	1931	rVB	92401	148197	6.73%	0.643%
15	14.835	1942	1948	1957	rBV3	12177	30563	1.39%	0.133%
16	14.935	1957	1965	1970	rVV3	16191	34409	1.56%	0.149%
17	15.029	1974	1981	1987	rVV	78316	131166	5.95%	0.569%
18	15.105	1987	1994	2001	rVB	21051	33238	1.51%	0.144%
19	15.246	2012	2018	2022	rBV3	17931	30522	1.39%	0.133%
20	15.299	2022	2027	2032	rVB2	17405	25870	1.17%	0.112%
21	15.416	2039	2047	2050	rBV3	14207	32778	1.49%	0.142%
22	15.675	2084	2091	2102	rVB	145177	237633	10.79%	1.032%
23	15.775	2102	2108	2109	rBV2	18150	28169	1.28%	0.122%
24	15.798	2109	2112	2115	rVV2	25521	38197	1.73%	0.166%
25	15.839	2115	2119	2123	rVB3	30837	45725	2.08%	0.199%
26	15.969	2137	2141	2149	rVB	39559	73387	3.33%	0.319%
27	16.122	2160	2167	2174	rVB2	96470	175371	7.96%	0.761%
28	16.204	2174	2181	2188	rVB5	11659	29165	1.32%	0.127%
29	16.351	2202	2206	2210	rVB4	16197	24761	1.12%	0.107%
30	16.680	2250	2262	2266	rBV4	46649	121927	5.54%	0.529%
31	16.727	2266	2270	2276	rVB2	32236	52647	2.39%	0.229%
32	16.832	2283	2288	2292	rVB	26476	45806	2.08%	0.199%
33	16.885	2292	2297	2298	rBV2	16836	22166	1.01%	0.096%
34	16.944	2304	2307	2312	rVB3	22538	31236	1.42%	0.136%
35	17.032	2316	2322	2327	rVB	42616	69163	3.14%	0.300%
36	17.114	2327	2336	2337	rBV2	29844	51850	2.35%	0.225%

LSC Area Percent Report

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Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

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-BG071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.197	2344	2350	2359	rVB	82545	138981	6.31%	0.603%
38	17.379	2375	2381	2383	rBV	224451	343693	15.60%	1.492%
39	17.426	2383	2389	2395	rVV	1211875	1941441	88.14%	8.428%
40	17.508	2395	2403	2409	rVV	315334	503460	22.86%	2.186%
41	17.567	2409	2413	2418	rVB3	34149	58537	2.66%	0.254%
42	17.778	2439	2449	2454	rBV2	98697	197870	8.98%	0.859%
43	17.890	2465	2468	2472	rVB	29060	35309	1.60%	0.153%
44	17.955	2472	2479	2488	rBV2	57548	99344	4.51%	0.431%
45	18.096	2499	2503	2512	rVB	31271	61966	2.81%	0.269%
46	18.254	2520	2530	2534	rBV	246617	414793	18.83%	1.801%
47	18.301	2534	2538	2544	rVB	311930	475054	21.57%	2.062%
48	18.384	2544	2552	2557	rBV	141458	234859	10.66%	1.020%
49	18.448	2557	2563	2567	rVV2	311638	640531	29.08%	2.781%
50	18.483	2567	2569	2575	rVB	184869	225856	10.25%	0.980%
51	18.548	2577	2580	2584	rBV2	22254	30268	1.37%	0.131%
52	18.595	2585	2588	2592	rVB3	20845	22487	1.02%	0.098%
53	18.648	2593	2597	2601	rBV2	22263	32481	1.47%	0.141%
54	18.748	2609	2614	2618	rBV	142046	207486	9.42%	0.901%
55	18.795	2618	2622	2630	rVB2	75212	128488	5.83%	0.558%
56	18.871	2632	2635	2640	rBV	28308	37280	1.69%	0.162%
57	18.995	2648	2656	2660	rBV2	74790	133735	6.07%	0.581%
58	19.042	2661	2664	2668	rBV	49160	64660	2.94%	0.281%
59	19.083	2668	2671	2675	rVB3	49506	68220	3.10%	0.296%
60	19.165	2679	2685	2690	rBV	157826	304004	13.80%	1.320%
61	19.230	2692	2696	2699	rBV2	52784	73049	3.32%	0.317%
62	19.312	2705	2710	2717	rBV4	78561	173595	7.88%	0.754%
63	19.435	2724	2731	2736	rBV	1451836	2202651	100.00%	9.562%
64	19.488	2736	2740	2743	rVV2	39895	58502	2.66%	0.254%
65	19.529	2743	2747	2751	rVB	54606	80180	3.64%	0.348%
66	19.670	2768	2771	2775	rBV	52215	68181	3.10%	0.296%
67	19.764	2782	2787	2788	rBV	294308	383001	17.39%	1.663%
68	19.800	2788	2793	2799	rVV	1292570	2075971	94.25%	9.012%
69	19.864	2799	2804	2810	rVB3	99958	173931	7.90%	0.755%
70	19.982	2818	2824	2828	rVB2	152196	267978	12.17%	1.163%
71	20.029	2828	2832	2837	rVB	79757	135987	6.17%	0.590%
72	20.117	2840	2847	2853	rBV2	136720	356491	16.18%	1.548%
73	20.287	2872	2876	2880	rVB	269476	400982	18.20%	1.741%
74	20.381	2888	2892	2896	rBV	179327	259644	11.79%	1.127%
75	20.440	2897	2902	2906	rVV2	163251	272810	12.39%	1.184%
76	20.581	2922	2926	2930	rBV	126842	173668	7.88%	0.754%

LSC Area Percent Report

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Misc :
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Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

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-BG071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.628	2930	2934	2938	rVB	121071	173533	7.88%	0.753%
78	21.045	3001	3005	3012	rVB	127182	209098	9.49%	0.908%
79	21.263	3039	3042	3047	rVB	116890	175102	7.95%	0.760%
80	21.321	3048	3052	3056	rVV2	96931	151506	6.88%	0.658%
81	21.627	3098	3104	3111	rBV3	805381	1827013	82.95%	7.931%
82	21.691	3111	3115	3127	rVB	664337	1219742	55.38%	5.295%
83	21.844	3137	3141	3148	rBV	90024	141362	6.42%	0.614%
84	22.044	3172	3175	3182	rVB3	76564	149021	6.77%	0.647%
85	23.842	3473	3481	3488	rBV	342704	1179159	53.53%	5.119%
86	24.559	3597	3603	3617	rVB	183150	554328	25.17%	2.406%
87	24.706	3620	3628	3640	rVB	306213	864070	39.23%	3.751%

Sum of corrected areas: 23035079

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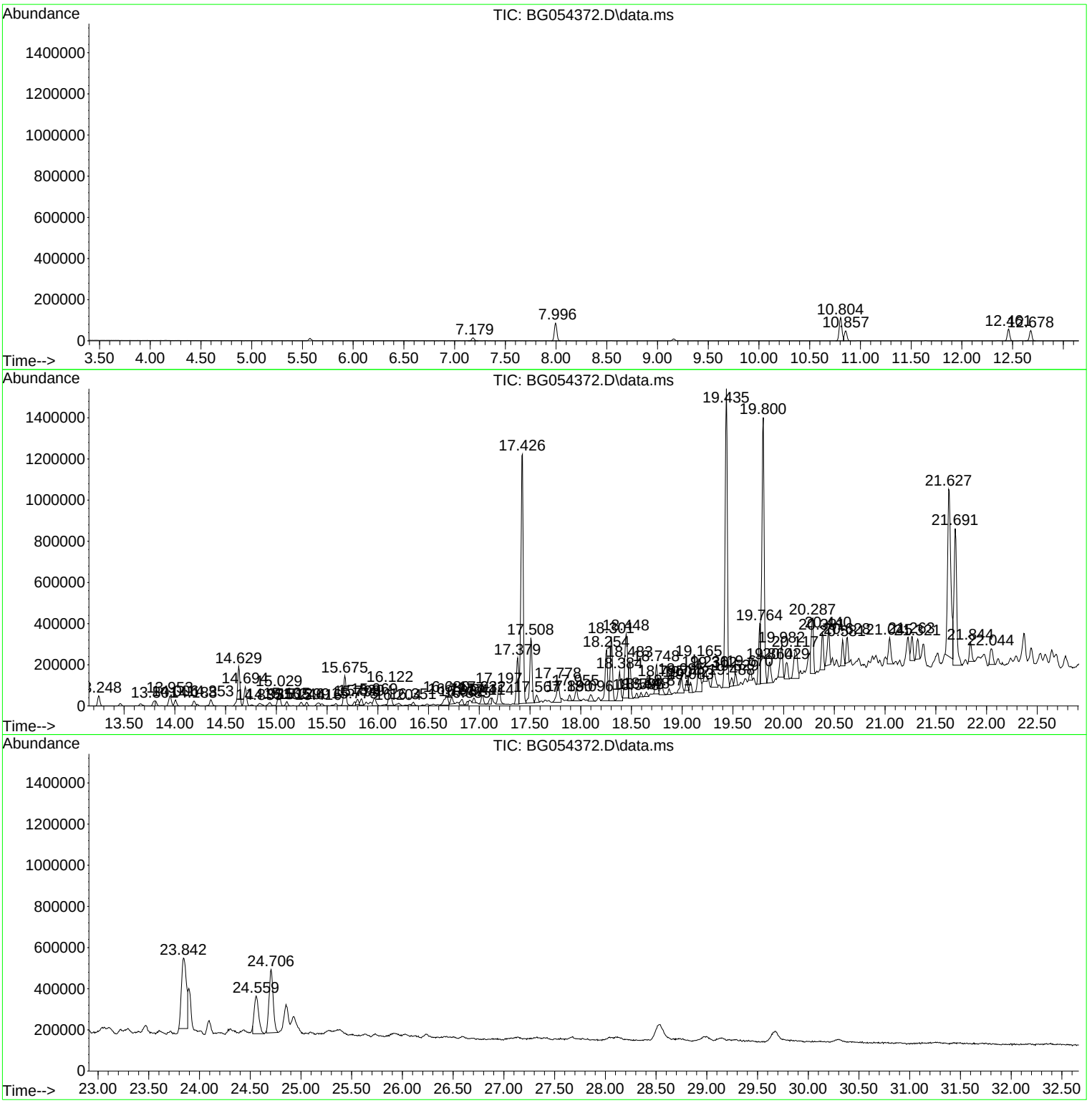
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.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\BG072222\
Data File : BG054372.D
Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

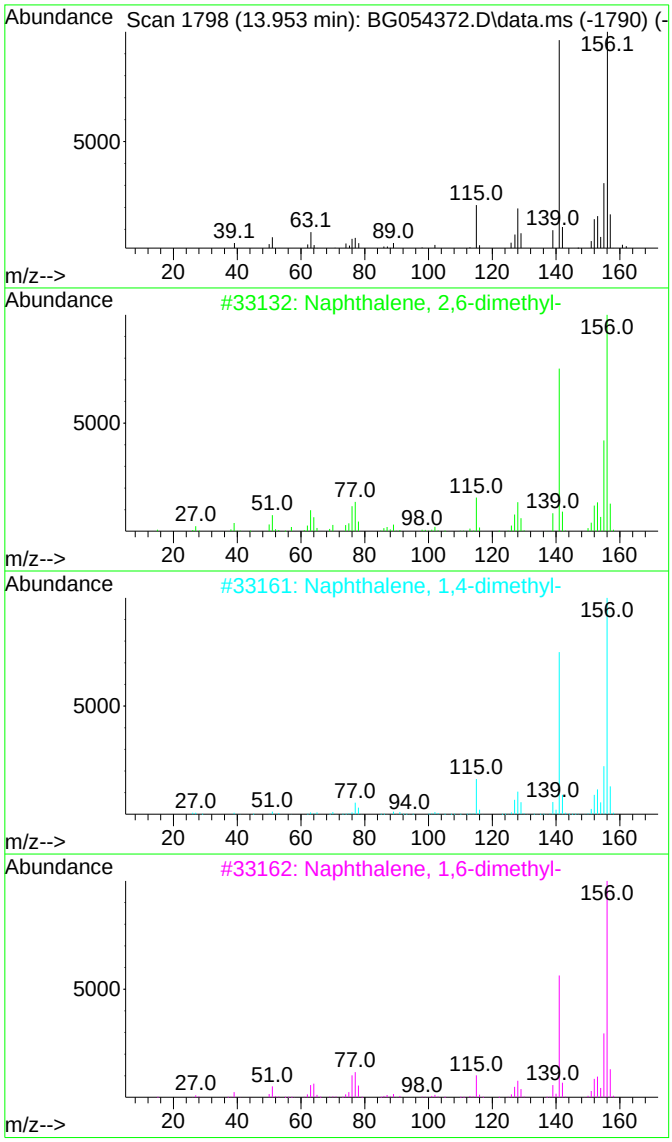
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

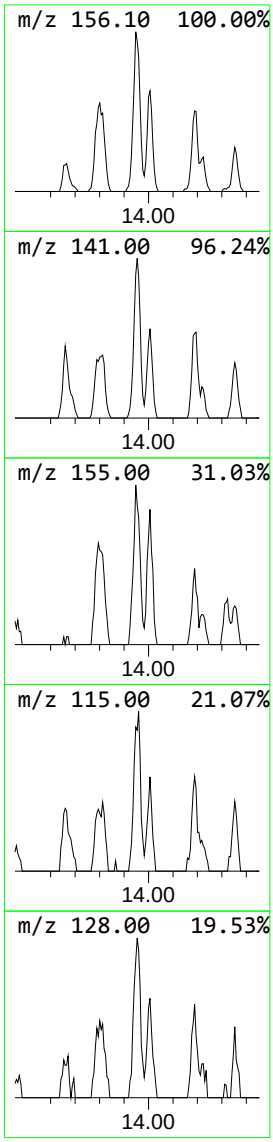
****

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.954	5.69 ng	91079	Acenaphthene-d10	14.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	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, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054372.D
Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

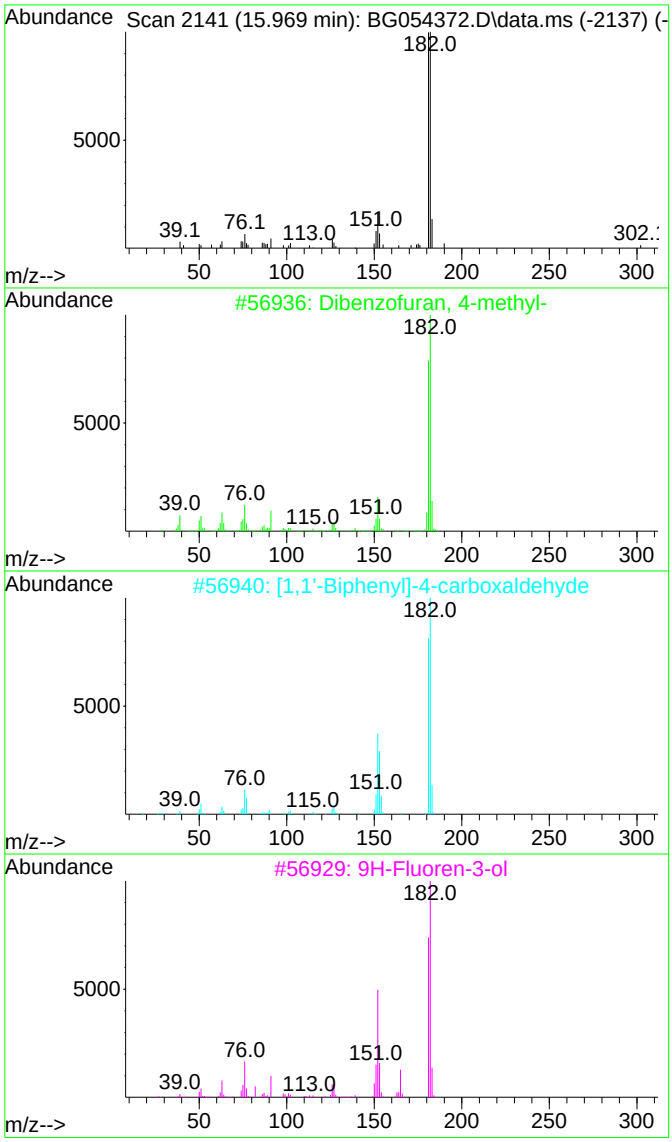
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

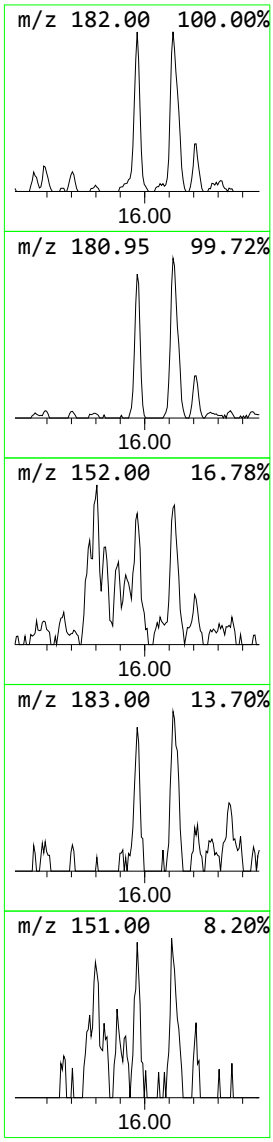
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.969	4.58 ng	73387	Acenaphthene-d10	14.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	83
4	Norharmane, N-methyl-	182	C12H10N2	1010374-78-6	80
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





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ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

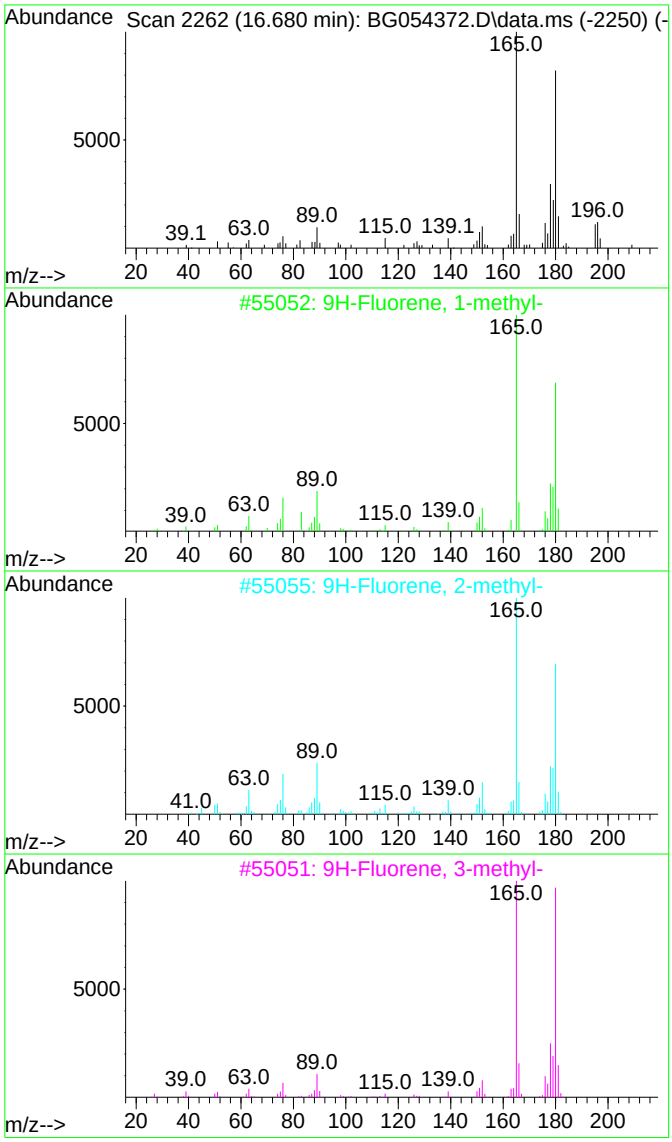
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

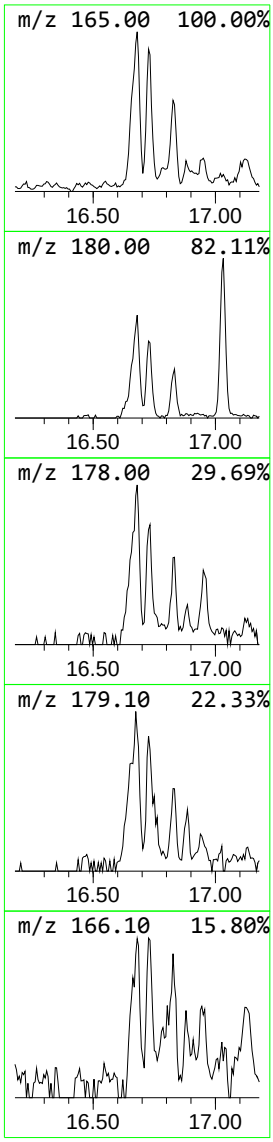
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.680	7.10 ng	121927	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
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Acq On : 22 Jul 2022 23:34
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Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

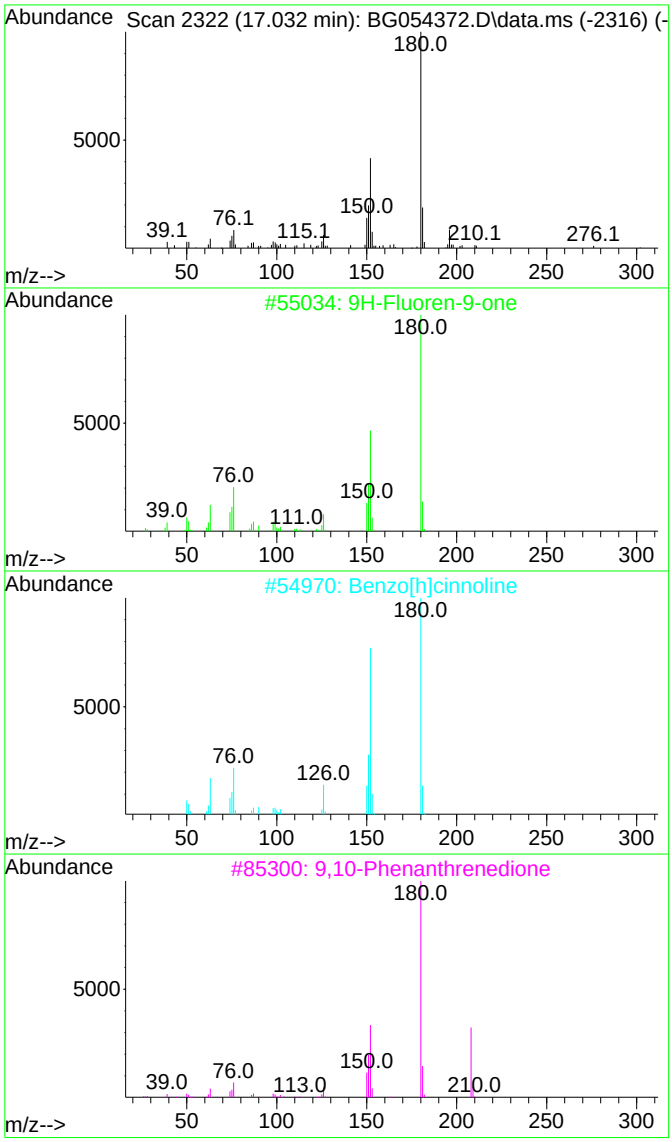
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

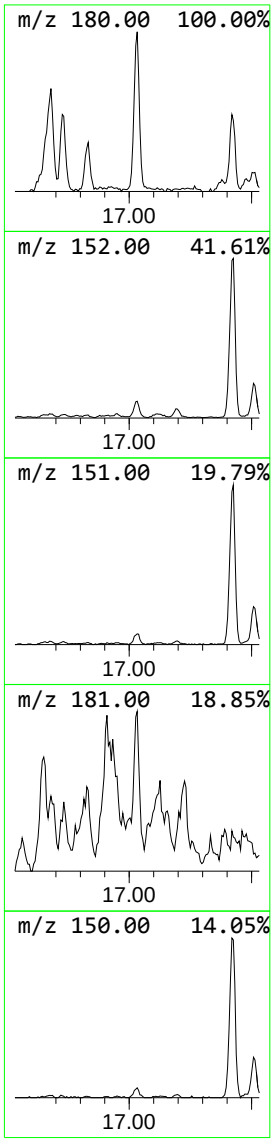
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.032	4.02 ng	69163	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4	Diphenic anhydride	224	C14H8O3	006050-13-1	78
5	9-Fluorenone-1-carboxylic acid	224	C14H8O3	001573-92-8	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054372.D
Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

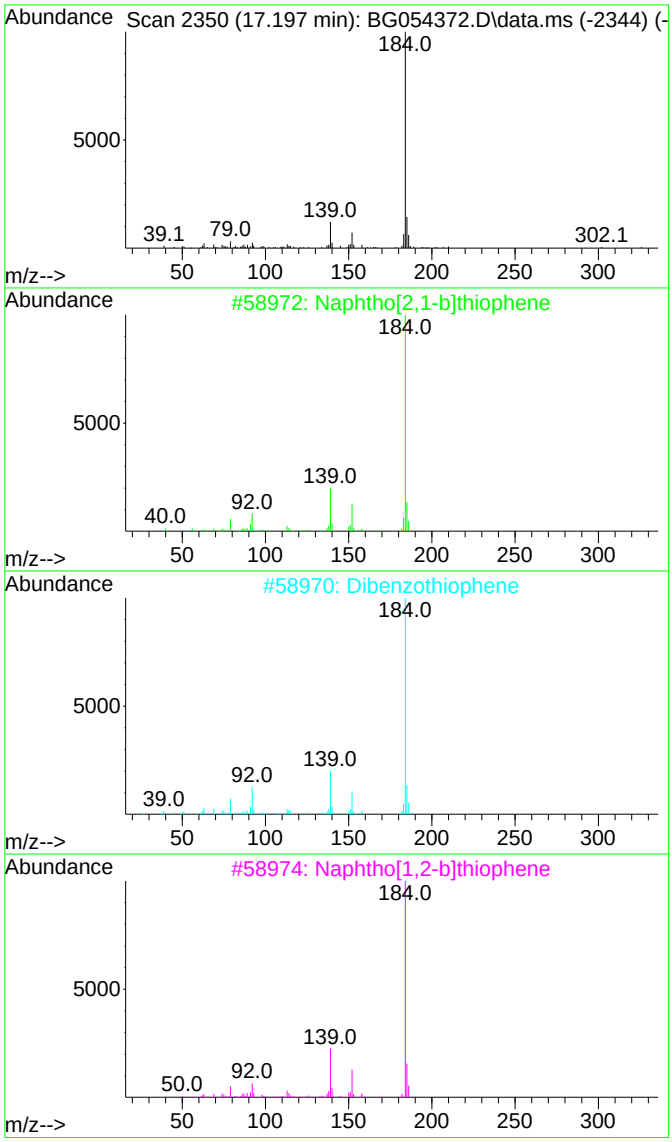
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

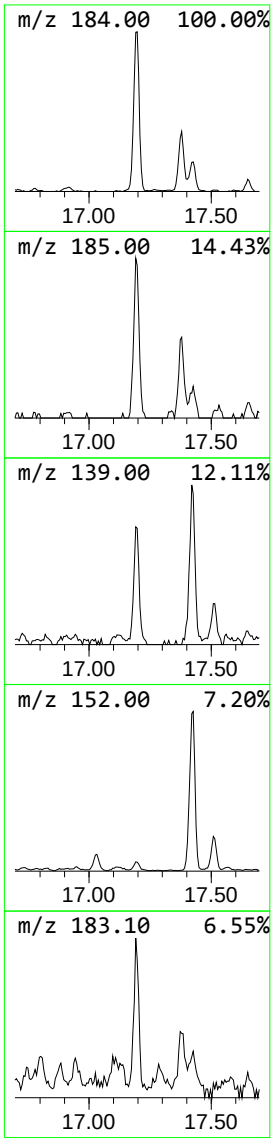
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.197	8.09 ng	138981	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

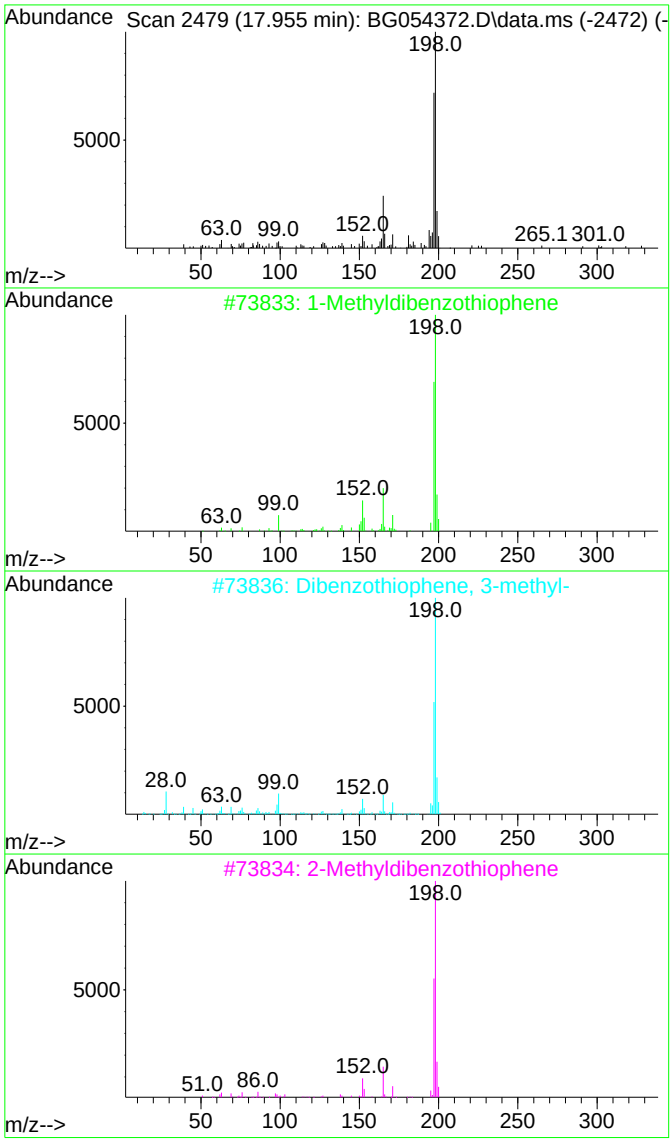
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

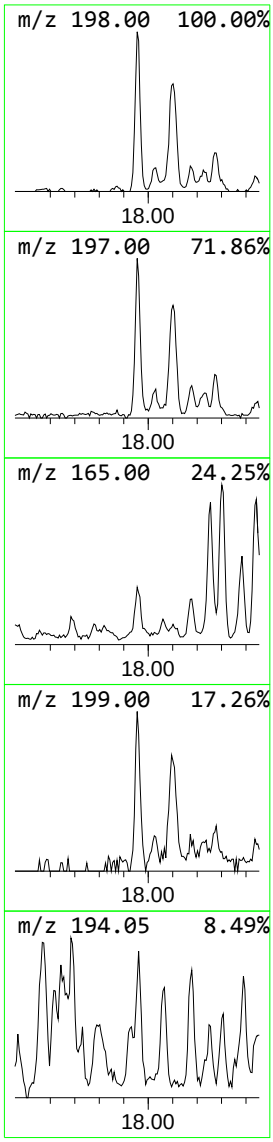
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1-Methyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.955	5.78 ng	99344	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	83
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	74
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054372.D
Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

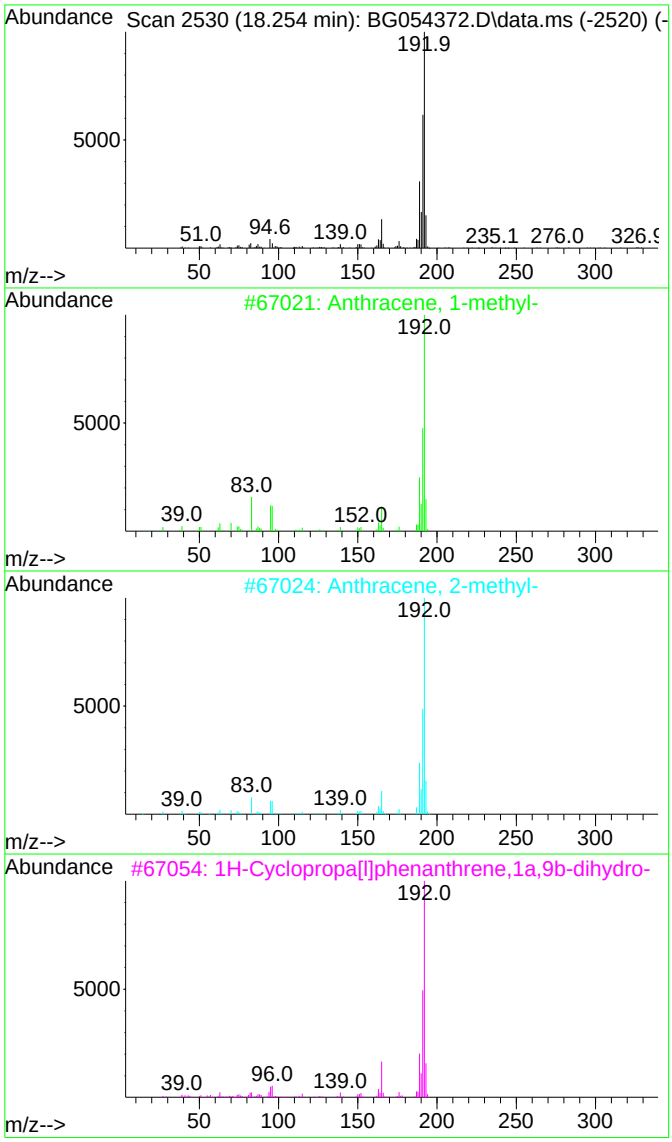
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

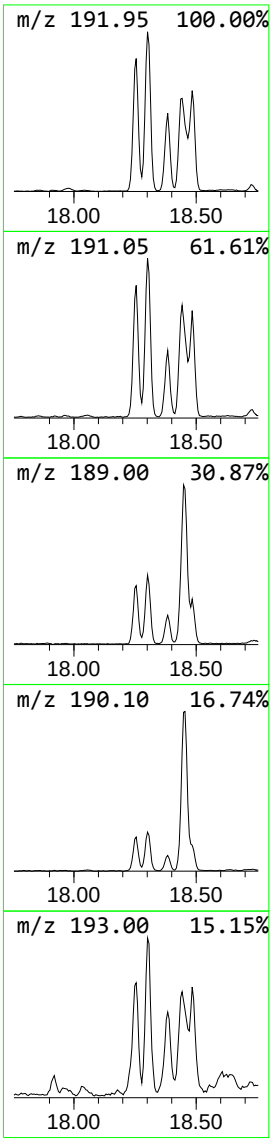
****

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.254	24.14 ng	414793	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Data File : BG054372.D
Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

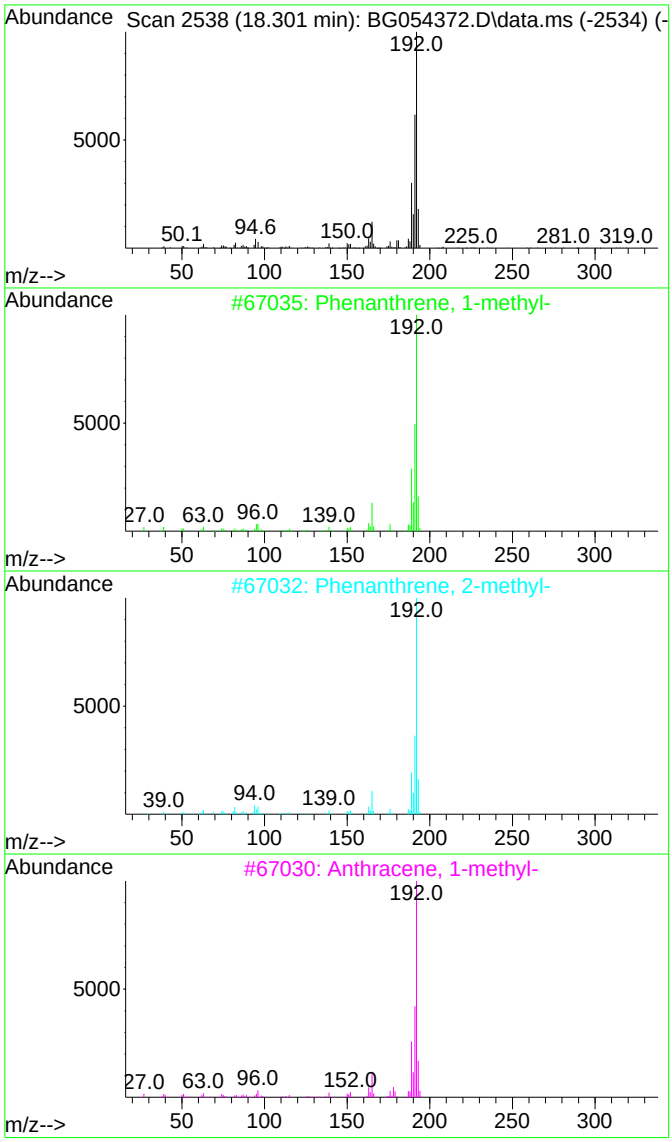
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

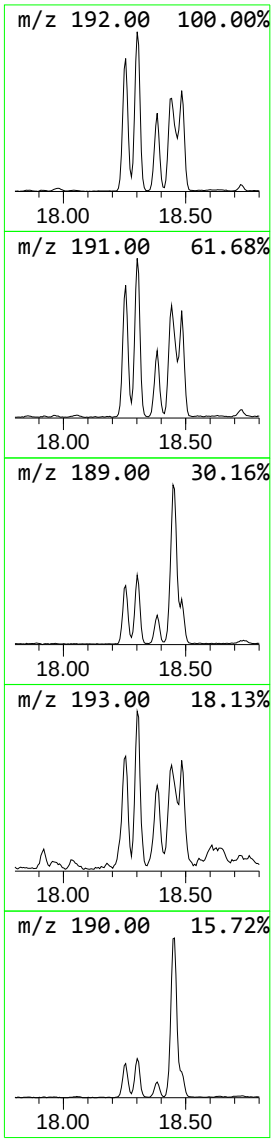
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.301	27.64 ng	475054	Phenanthrene-d10	17.379

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, 1-methyl-	192	C15H12	000610-48-0	95
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 : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

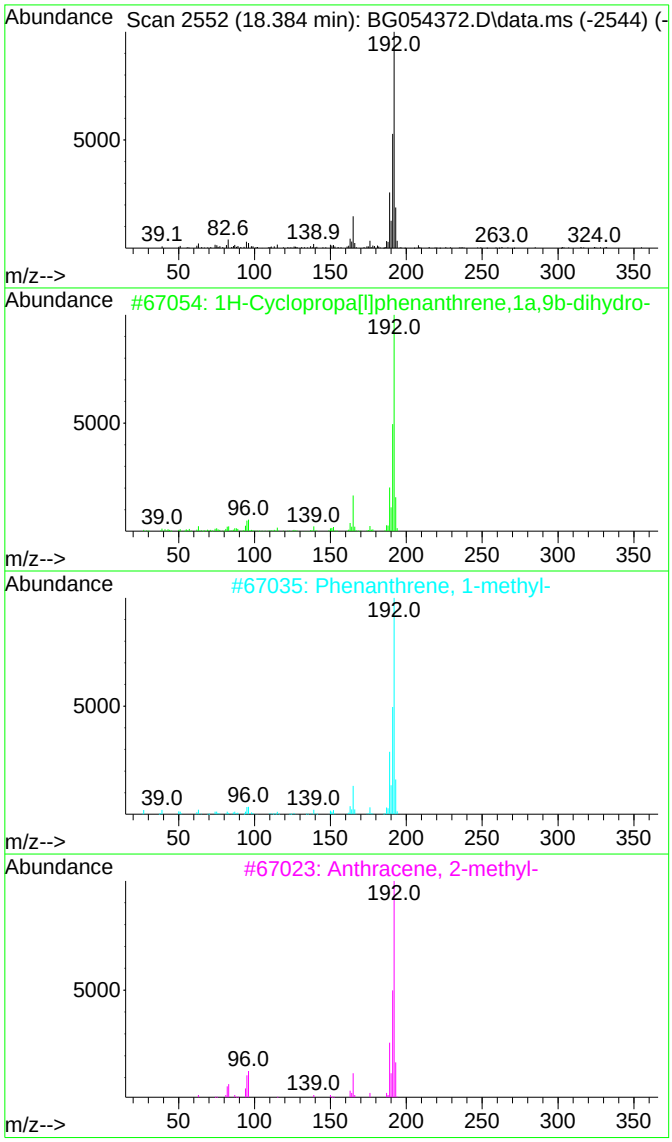
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

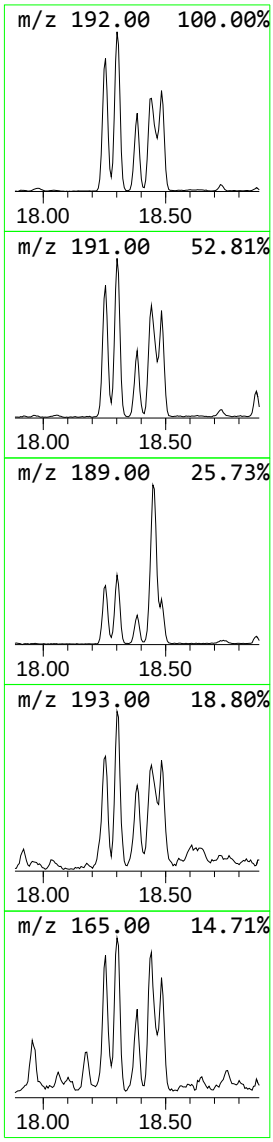
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.384	13.67 ng	234859	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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Data File : BG054372.D
Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

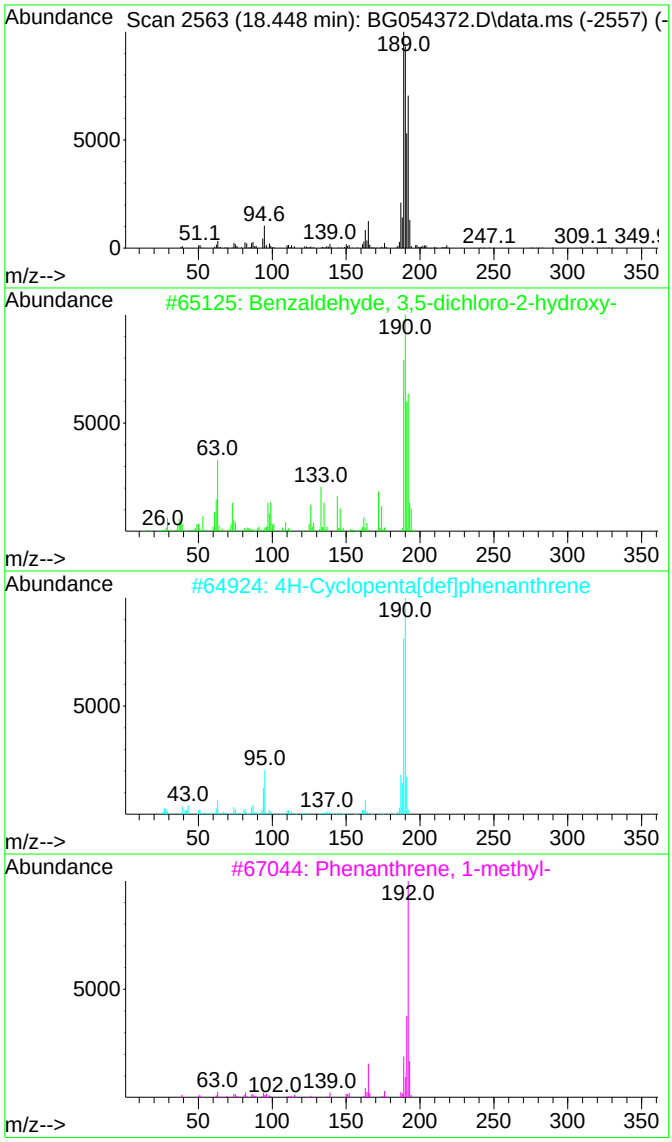
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

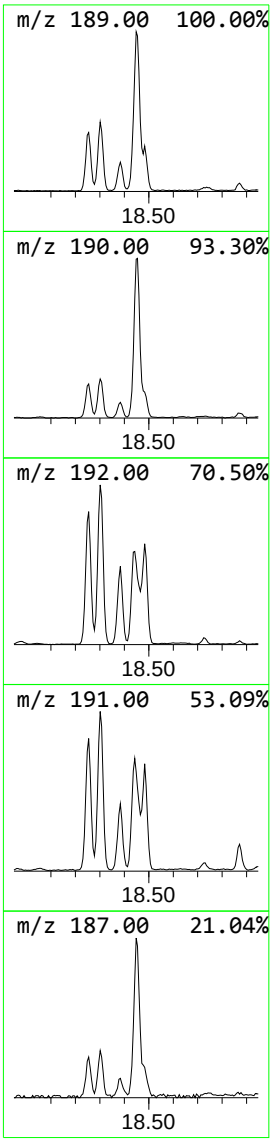
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.448	37.27 ng	640531	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	35
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	30





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Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

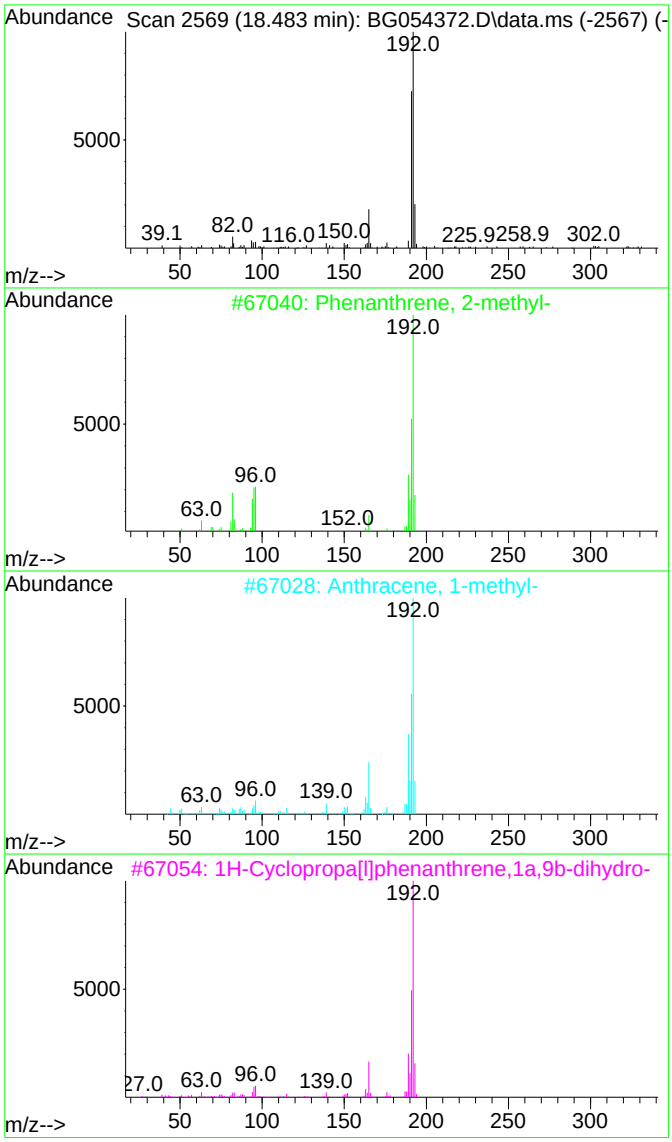
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

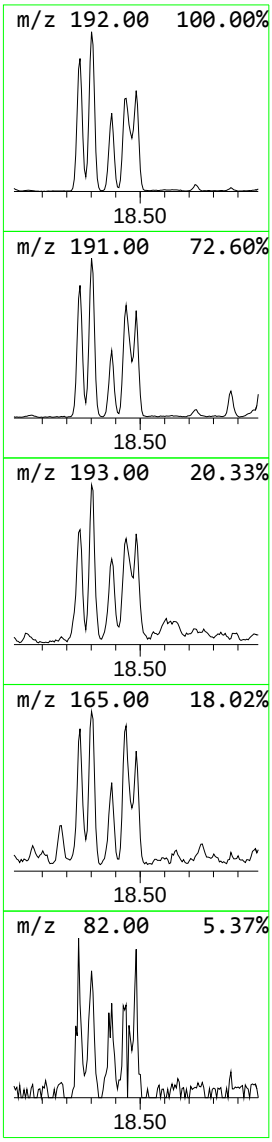
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.483	13.14 ng	225856	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87





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Data File : BG054372.D
Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

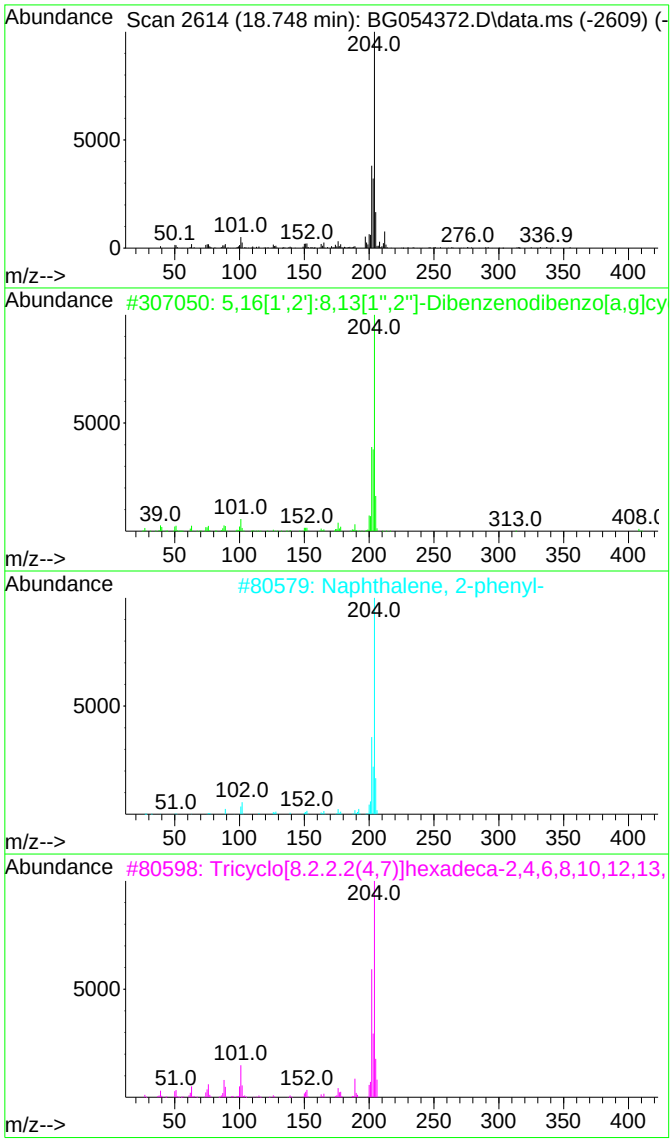
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

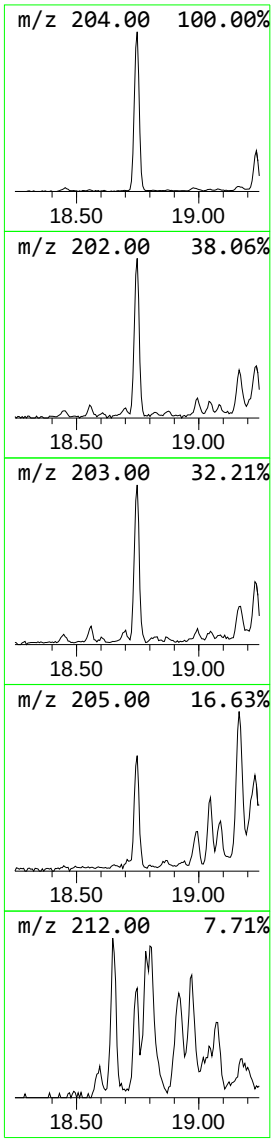
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.748	12.07 ng	207486	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52





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Data File : BG054372.D
Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

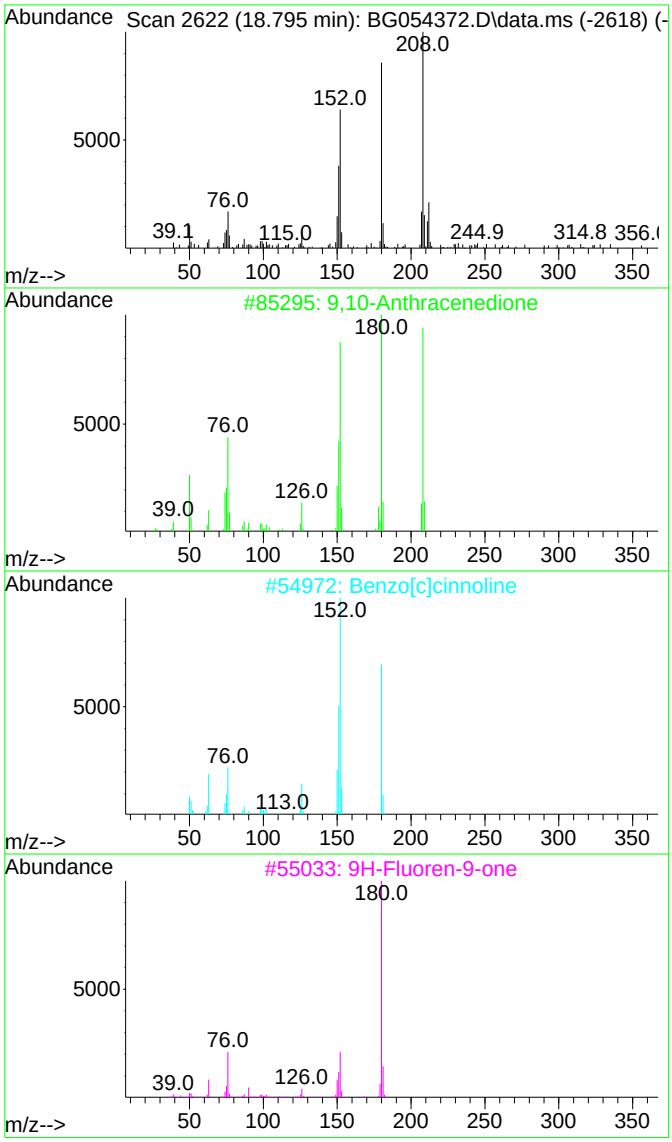
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

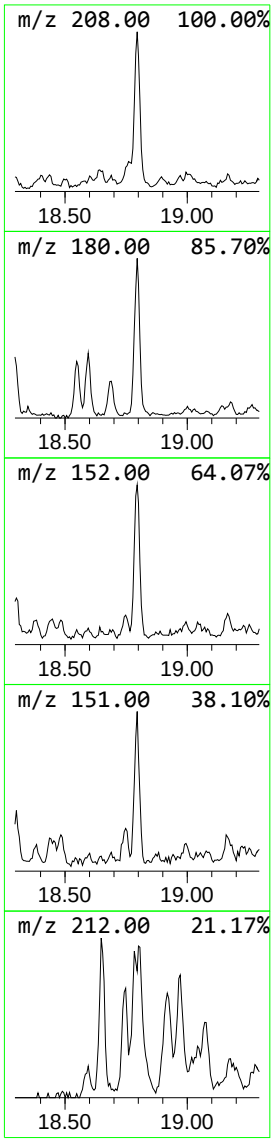
****

Peak Number 13 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.795	7.48 ng	128488	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	46
4	Diphenic anhydride	224	C14H8O3	006050-13-1	43
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	43





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Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

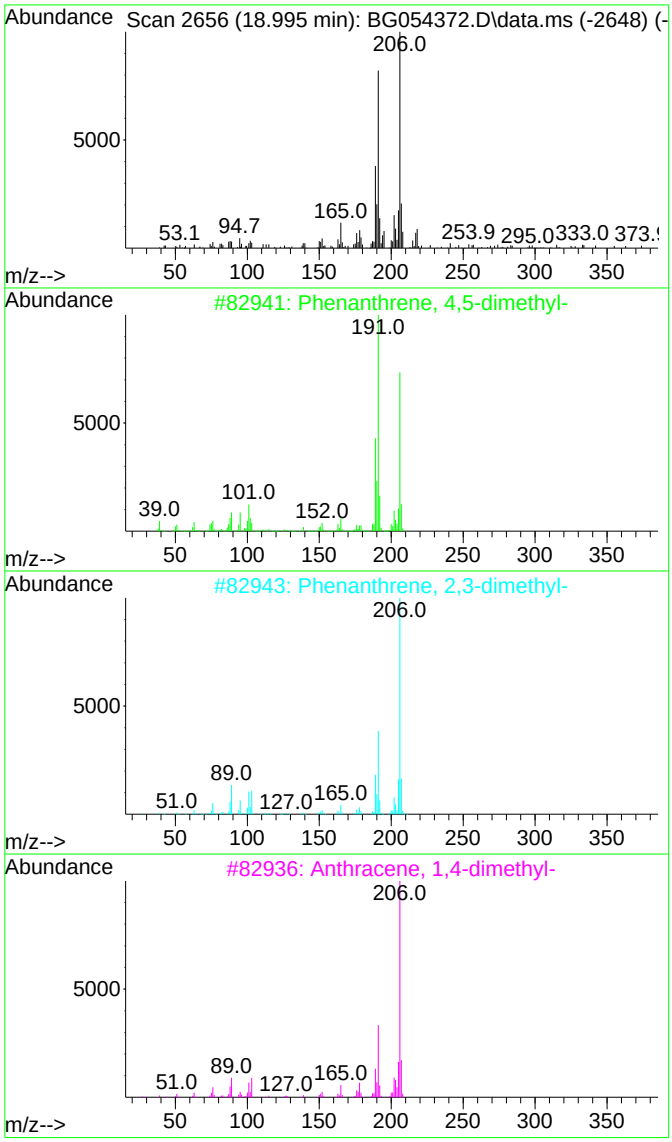
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

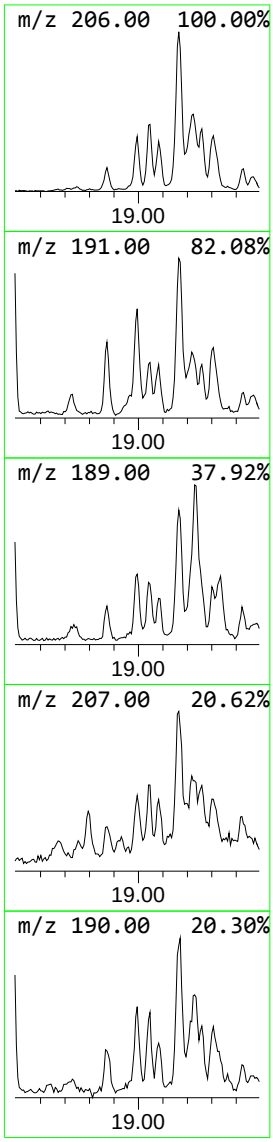
****

Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.995	7.78 ng	133735	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	87





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Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

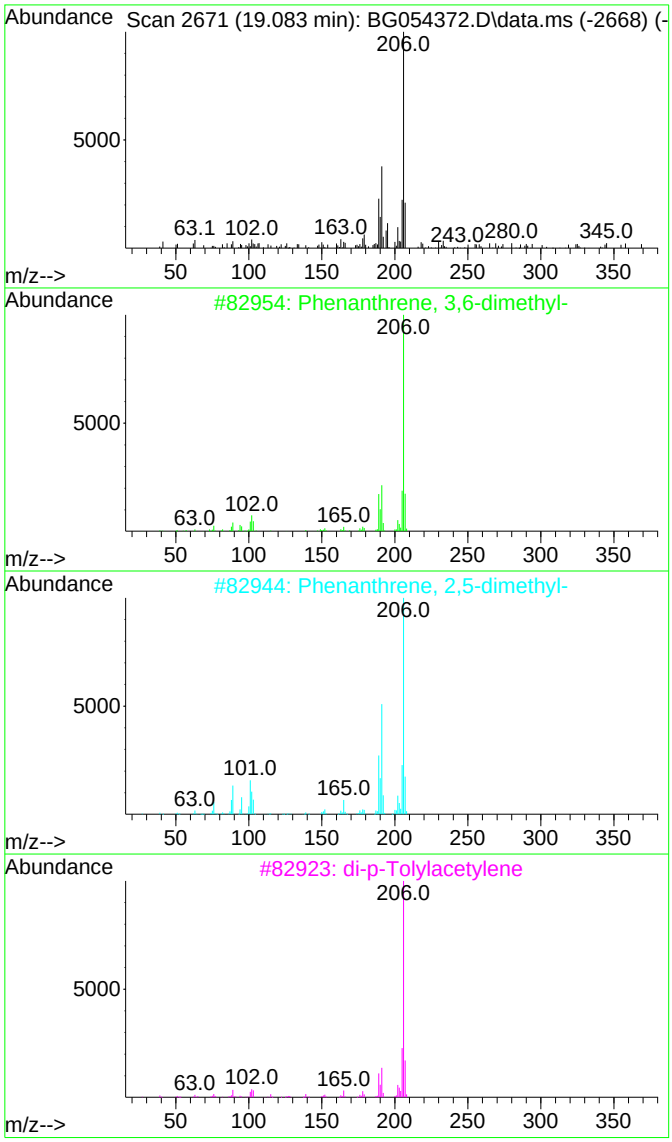
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

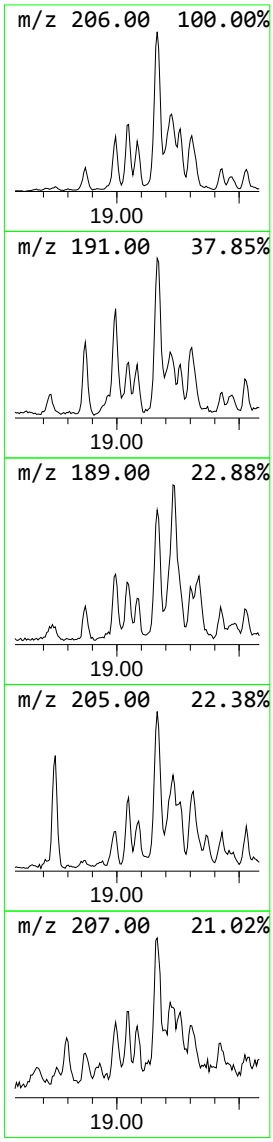
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.083	3.97 ng	68220	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	76
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	68
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	68





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Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

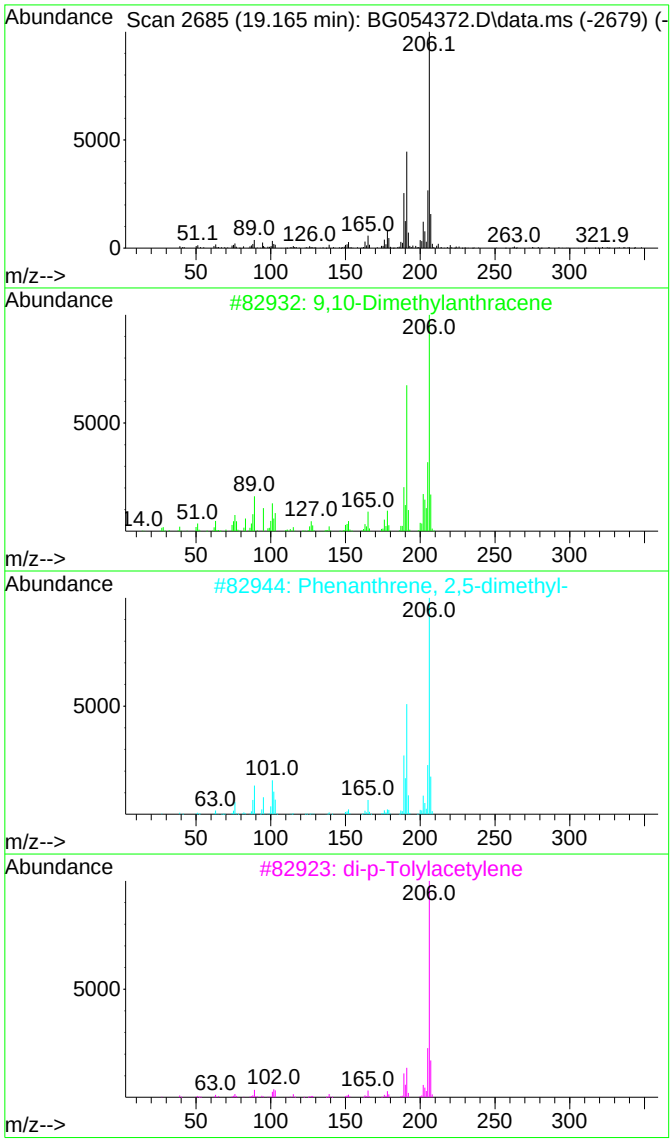
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

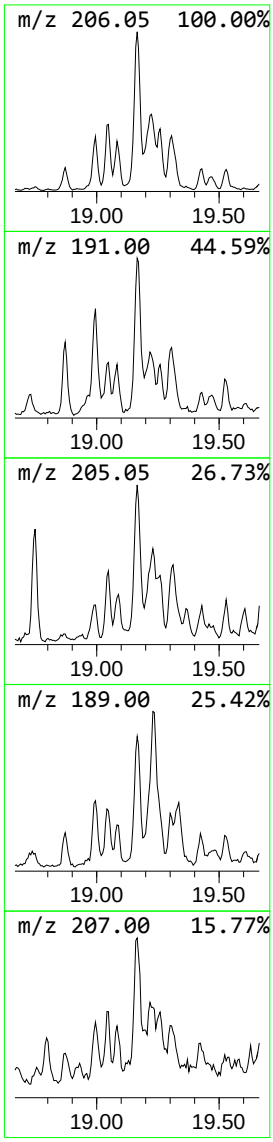
****

Peak Number 16 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.165	17.69 ng	304004	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Data File : BG054372.D
Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

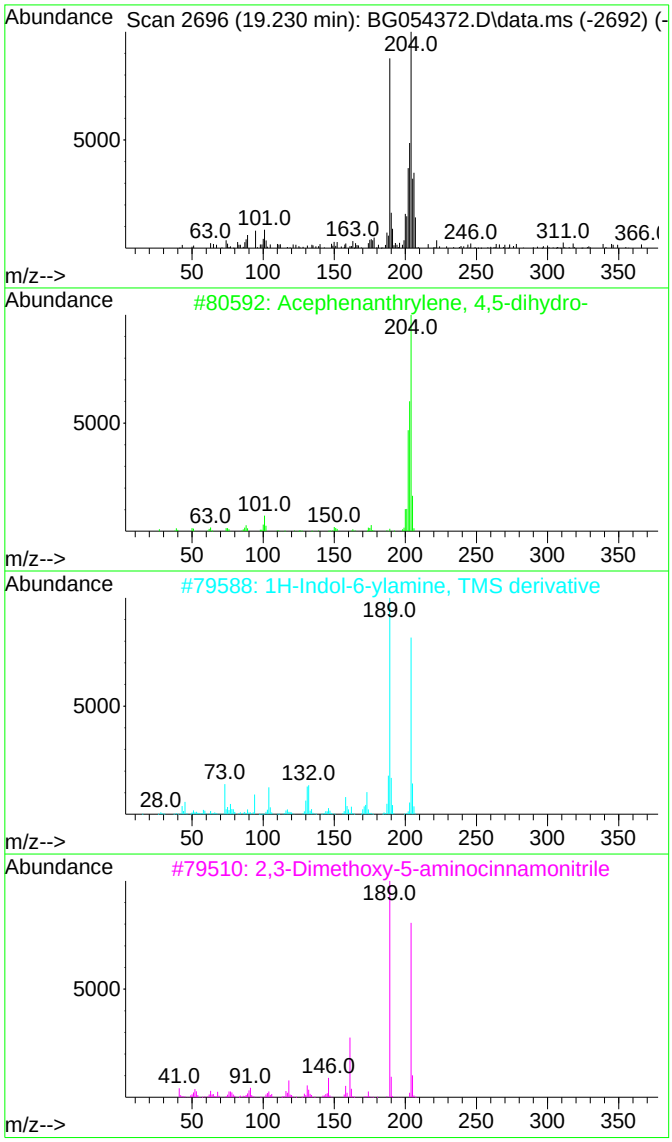
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

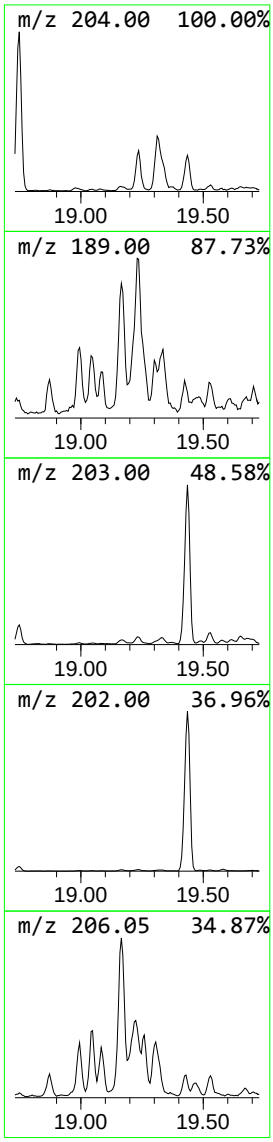
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Acephenanthrylene, 4,5-dihy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.230	4.25 ng	73049	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	50
2	1H-Indol-6-ylamine, TMS derivative	204	C11H16N2Si	1000484-86-1	47
3	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	47
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	43
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054372.D
Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

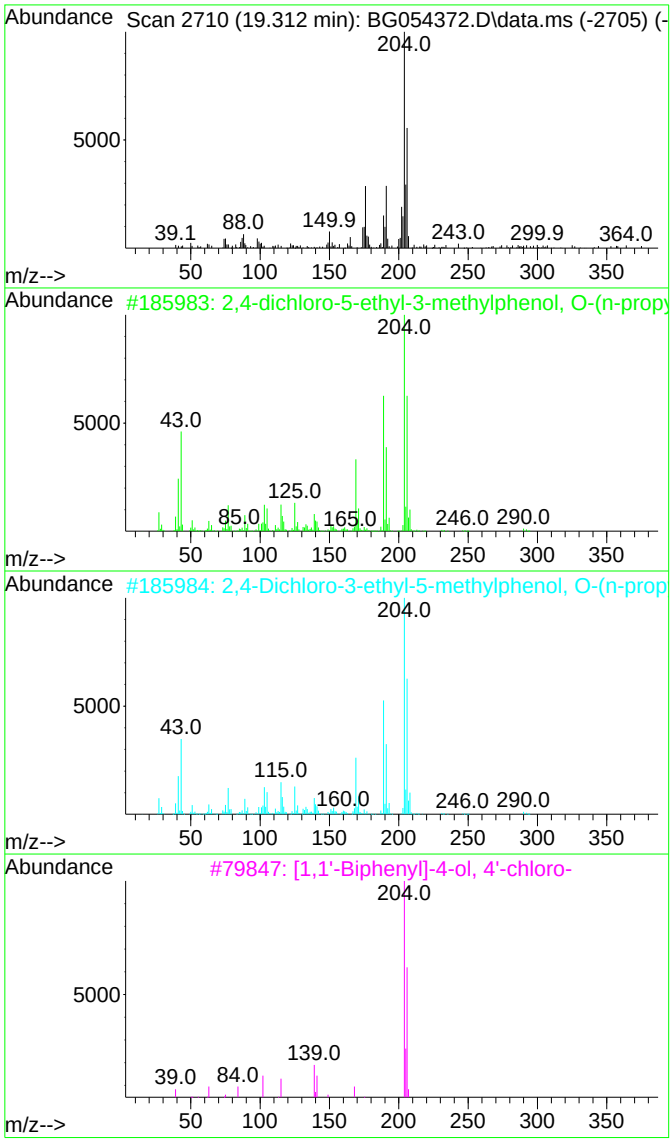
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

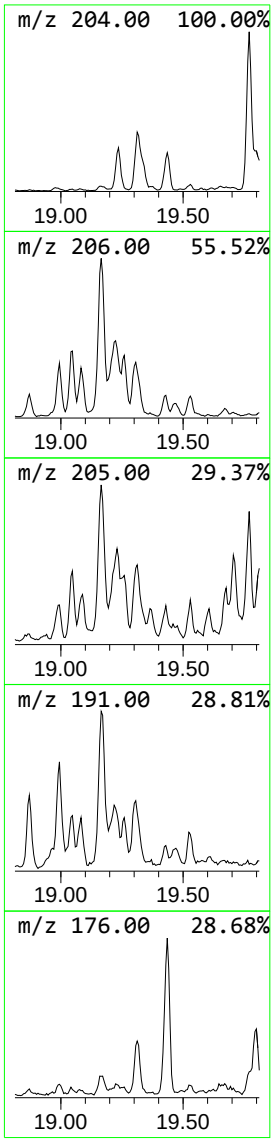
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 2,4-dichloro-5-ethyl-3-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.312	10.10 ng	173595	Phenanthrene-d10	17.379

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-dichloro-5-ethyl-3-methylphe...	290	C13H16Cl2O3	1000487-31-0	50
2	2,4-Dichloro-3-ethyl-5-methylphe...	290	C13H16Cl2O3	1000487-42-8	50
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054372.D
Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

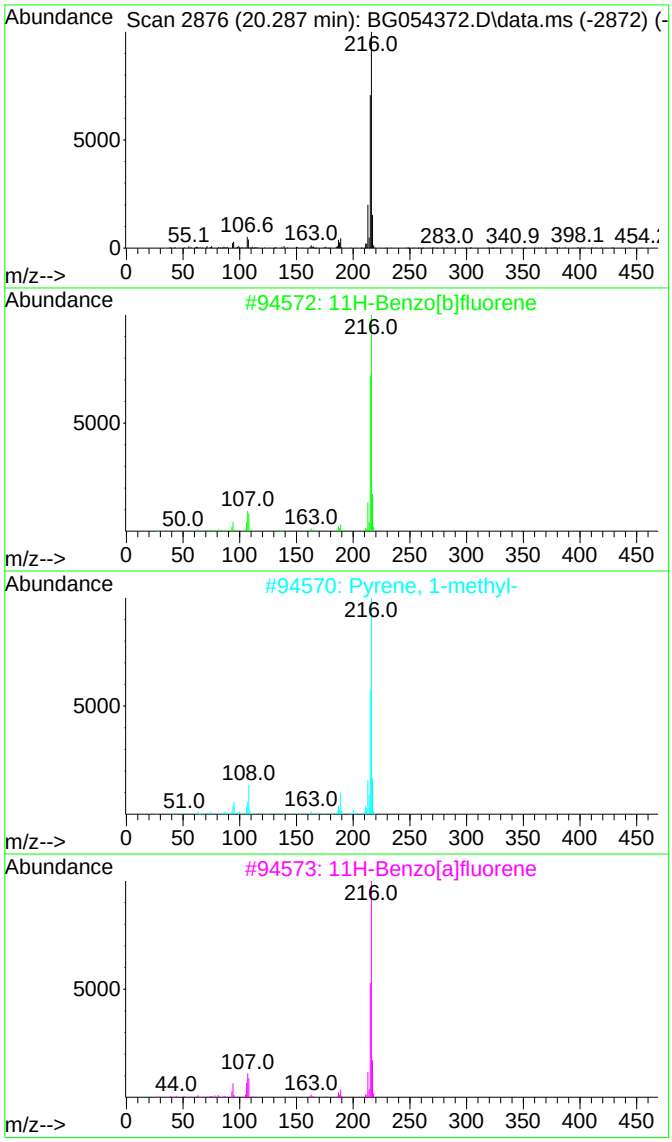
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

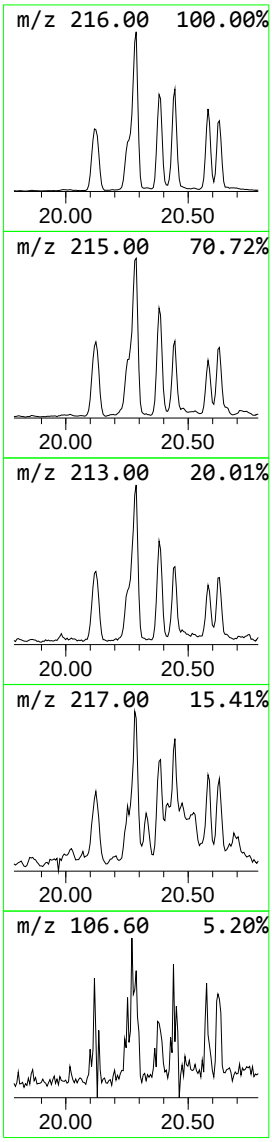
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.287	4.39 ng	400982	Chrysene-d12	21.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Data File : BG054372.D
Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

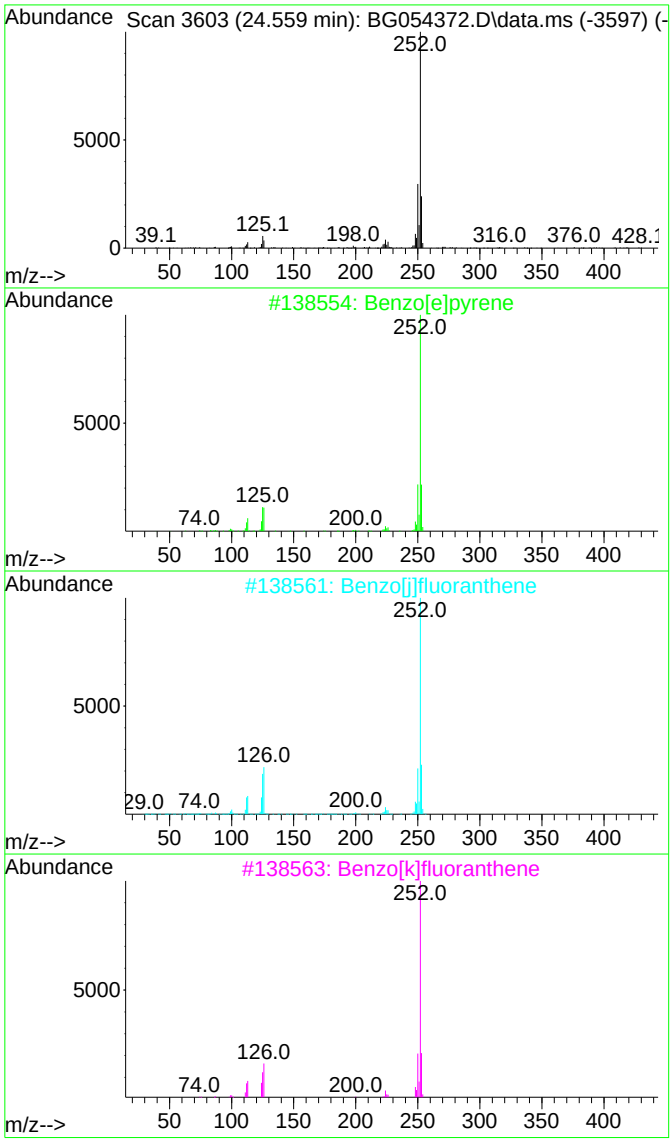
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

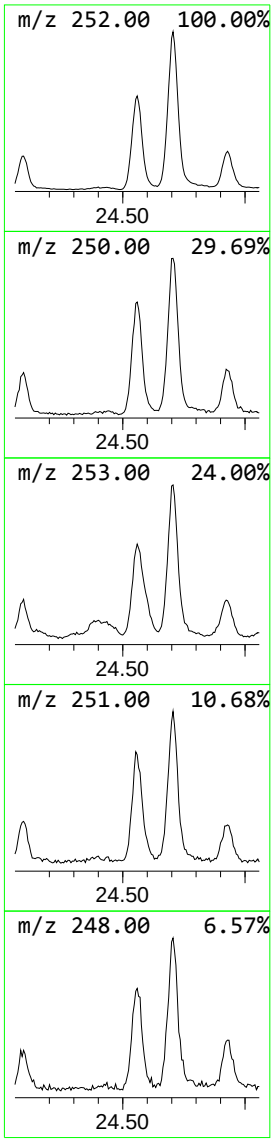
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.559	12.83 ng	554328	Perylene-d12	24.852

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
Data File : BG054372.D
Acq On : 22 Jul 2022 23:34
Operator : CG/JU
Sample : N3814-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.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
Naphthalene, 2,...	13.954	5.7	ng	91079	3	14.629	320249	20.0
Dibenzofuran, 4...	15.969	4.6	ng	73387	3	14.629	320249	20.0
9H-Fluorene, 1-...	16.680	7.1	ng	121927	4	17.379	343693	20.0
9H-Fluoren-9-one	17.032	4.0	ng	69163	4	17.379	343693	20.0
Naphtho[2,1-b]t...	17.197	8.1	ng	138981	4	17.379	343693	20.0
1-Methyldibenzo...	17.955	5.8	ng	99344	4	17.379	343693	20.0
Anthracene, 1-m...	18.254	24.1	ng	414793	4	17.379	343693	20.0
Phenanthrene, 1...	18.301	27.6	ng	475054	4	17.379	343693	20.0
1H-Cyclopropa[l...	18.384	13.7	ng	234859	4	17.379	343693	20.0
Benzaldehyde, 3...	18.448	37.3	ng	640531	4	17.379	343693	20.0
Phenanthrene, 2...	18.483	13.1	ng	225856	4	17.379	343693	20.0
5,16[1',2']:8,1...	18.748	12.1	ng	207486	4	17.379	343693	20.0
9,10-Anthracene...	18.795	7.5	ng	128488	4	17.379	343693	20.0
Phenanthrene, 4...	18.995	7.8	ng	133735	4	17.379	343693	20.0
Phenanthrene, 3...	19.083	4.0	ng	68220	4	17.379	343693	20.0
9,10-Dimethylan...	19.165	17.7	ng	304004	4	17.379	343693	20.0
Acephenanthryle...	19.230	4.3	ng	73049	4	17.379	343693	20.0
2,4-dichloro-5-...	19.312	10.1	ng	173595	4	17.379	343693	20.0
11H-Benzo[b]flu...	20.287	4.4	ng	400982	5	21.644	1827010	20.0
Benzo[e]pyrene	24.559	12.8	ng	554328	6	24.852	864070	20.0