LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PSC124035

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-BG071222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054289.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.609	371	378	389	rBV	211697	357583	28.21%	2.049%
2	7.207	643	650	660	rBV	229774	403270	31.81%	2.310%
3	8.035	783	791	799	rBB	59290	103903	8.20%	0.595%
4	9.199	982	989	1000	rBV	138611	253509	20.00%	1.452%
5	10.844	1262	1269	1275	rBV	84764	161820	12.76%	0.927%
6	10.897	1275	1278	1285	rVB	24193	37986	3.00%	0.218%
7	12.495	1545	1550	1558	rBB	22245	37707	2.97%	0.216%
8	12.718	1580	1588	1594	rBB	16548	27446	2.16%	0.157%
9	13.288	1678	1685	1695	rBV	423139	671016	52.93%	3.844%
10	13.840	1772	1779	1786	rBB3	8801	20661	1.63%	0.118%
11	13.987	1797	1804	1809	rBV2	16837	29523	2.33%	0.169%
12	14.669	1909	1920	1925	rBV	161894	272402	21.49%	1.561%
13	14.728	1925	1930	1937	rVB	62592	102687	8.10%	0.588%
14	15.062	1981	1987	1995	rBV	69783	109190	8.61%	0.626%
15	15.709	2091	2097	2107	rVB	78416	124986	9.86%	0.716%
16	16.002	2142	2147	2154	rVB	32703	53681	4.23%	0.308%
17	16.155	2166	2173	2183	rBV2	494424	804158	63.43%	4.607%
18	16.713	2264	2268	2273	rVV3	16996	33538	2.65%	0.192%
19	16.943	2298	2307	2310	rBV4	17605	34958	2.76%	0.200%
20	17.066	2322	2328	2335	rVV	50708	86057	6.79%	0.493%
21	17.136	2335	2340	2348	rVV3	19981	48878	3.86%	0.280%
22	17.230	2351	2356	2365	rVB	34954	59109	4.66%	0.339%
23	17.413	2380	2387	2390	rBV	228823	377908	29.81%	2.165%
24	17.454	2390	2394	2400	rVV	676729	1024823	80.84%	5.871%
25	17.542	2400	2409	2415	rVV	165763	284656	22.45%	1.631%
26	17.601	2415	2419	2425	rVB4	11646	20565	1.62%	0.118%
27	17.812	2445	2455	2461	rBV2	63541	127786	10.08%	0.732%
28	17.930	2471	2475	2480	rBV2	12844	19772	1.56%	0.113%
29	17.994	2480	2486	2493	rVB6	14847	27849	2.20%	0.160%
30	18.288	2526	2536	2540	rBV	99303	167366	13.20%	0.959%
31	18.335	2540	2544	2551	rVB	143652	219633	17.32%	1.258%
32	18.411	2551	2557	2563	rBV	53390	87397	6.89%	0.501%
33	18.482	2563	2569	2573	rBV2	114065	229011	18.06%	1.312%
34	18.517	2573	2575	2581	rVB	65986	73919	5.83%	0.423%
35	18.782	2615	2620	2624	rVV	73971	107726	8.50%	0.617%
36	18.823	2624	2627	2633	rVV	59464	87213	6.88%	0.500%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

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-BG071222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.028	2658	2662	2666	rVB3	23428	28598	2.26%	0.164%
38	19.081	2666	2671	2673	rBV	15841	21518	1.70%	0.123%
39	19.116	2673	2677	2681	rVB2	20182	29350	2.32%	0.168%
40	19.199	2684	2691	2696	rBV2	46232	94438	7.45%	0.541%
41	19.263	2697	2702	2704	rBV2	19456	28205	2.22%	0.162%
42	19.340	2711	2715	2723	rVB2	46030	83827	6.61%	0.480%
43	19.463	2730	2736	2743	rBV	696585	1053400	83.09%	6.035%
44	19.557	2749	2752	2757	rVB	25009	37023	2.92%	0.212%
45	19.651	2764	2768	2772	rBV7	18621	33360	2.63%	0.191%
46	19.704	2772	2777	2781	rVV2	16721	23566	1.86%	0.135%
47	19.792	2787	2792	2794	rBV2	177071	279821	22.07%	1.603%
48	19.827	2794	2798	2805	rVV	530434	815451	64.32%	4.672%
49	19.892	2805	2809	2815	rVB2	55011	89330	7.05%	0.512%
50	20.015	2815	2830	2835	rBV	820593	1223847	96.54%	7.011%
51	20.062	2835	2838	2846	rVB	40931	61306	4.84%	0.351%
52	20.156	2846	2854	2859	rBV2	61586	170133	13.42%	0.975%
53	20.280	2869	2875	2877	rBV3	42582	82031	6.47%	0.470%
54	20.315	2877	2881	2886	rVB	85221	132032	10.41%	0.756%
55	20.415	2893	2898	2901	rBV	37029	55675	4.39%	0.319%
56	20.474	2901	2908	2912	rVV2	82765	171489	13.53%	0.982%
57	20.509	2912	2914	2918	rVB2	25671	28181	2.22%	0.161%
58	20.550	2918	2921	2926	rVB	23259	31986	2.52%	0.183%
59	20.615	2926	2932	2935	rBV	41598	64346	5.08%	0.369%
60	20.656	2935	2939	2944	rVB2	41231	58700	4.63%	0.336%
61	20.773	2952	2959	2962	rVB2	15725	32157	2.54%	0.184%
62	20.867	2970	2975	2978	rBV3	17396	32147	2.54%	0.184%
63	20.908	2978	2982	2985	rVV5	10967	20021	1.58%	0.115%
64	21.073	3005	3010	3016	rVB	85690	141727	11.18%	0.812%
65	21.255	3034	3041	3045	rBV3	54492	123566	9.75%	0.708%
66	21.308	3045	3050	3054	rVV	74258	137429	10.84%	0.787%
67	21.355	3054	3058	3063	rVV2	60511	111233	8.77%	0.637%
68	21.408	3063	3067	3079	rVB	83543	167100	13.18%	0.957%
69	21.543	3080	3090	3093	rBV2	19575	55717	4.39%	0.319%
70	21.672	3098	3112	3118	rBV3	472407	1267746	100.00%	7.263%
71	21.731	3118	3122	3134	rVB	292262	528623	41.70%	3.028%
72	21.878	3143	3147	3156	rVB2	31835	60508	4.77%	0.347%
73	21.972	3156	3163	3164	rBV6	14714	27966	2.21%	0.160%
74	22.019	3167	3171	3177	rVB	29567	59515	4.69%	0.341%
75	22.084	3177	3182	3190	rBV3	45872	100050	7.89%	0.573%
76	22.336	3220	3225	3229	rBV3	15704	26757	2.11%	0.153%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

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-BG071222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	22.413	3231	3238	3244	rVB	64009	127672	10.07%	0.731%
78	22.483	3245	3250	3258	rVB2	39501	80873	6.38%	0.463%
79	22.571	3260	3265	3271	rBV5	15319	35065	2.77%	0.201%
80	22.689	3280	3285	3289	rBV3	26086	53483	4.22%	0.306%
81	22.836	3302	3310	3316	rBV5	23199	70126	5.53%	0.402%
82	23.082	3346	3352	3358	rBV2	17702	47301	3.73%	0.271%
83	23.165	3361	3366	3375	rVB9	16189	42913	3.38%	0.246%
84	23.276	3380	3385	3392	rVV5	10345	29665	2.34%	0.170%
85	23.359	3395	3399	3405	rVB6	13480	27193	2.14%	0.156%
86	23.758	3463	3467	3477	rVB	11735	24526	1.93%	0.141%
87	23.893	3479	3490	3497	rBV4	168311	602570	47.53%	3.452%
88	24.146	3526	3533	3540	rBV	36197	87160	6.88%	0.499%
89	24.352	3561	3568	3571	rBV4	17509	37858	2.99%	0.217%
90	24.622	3604	3614	3627	rVB2	90790	300984	23.74%	1.724%
91	24.763	3627	3638	3651	rBV	143151	424957	33.52%	2.435%
92	24.916	3653	3664	3672	rBV2	167075	519322	40.96%	2.975%
93	24.986	3674	3676	3684	rVB	20405	46283	3.65%	0.265%
94	27.753	4142	4147	4157	rVB9	7174	22226	1.75%	0.127%
95	28.147	4199	4214	4218	rBV4	11345	45893	3.62%	0.263%
96	28.617	4281	4294	4315	rVB3	54247	281481	22.20%	1.613%
97	29.070	4363	4371	4372	rBV2	16108	29064	2.29%	0.167%
98	29.240	4391	4400	4402	rBV6	11446	30848	2.43%	0.177%
99	29.763	4474	4489	4504	rBV2	38399	186033	14.67%	1.066%
100	30.386	4593	4595	4606	rVB4	9870	21925	1.73%	0.126%

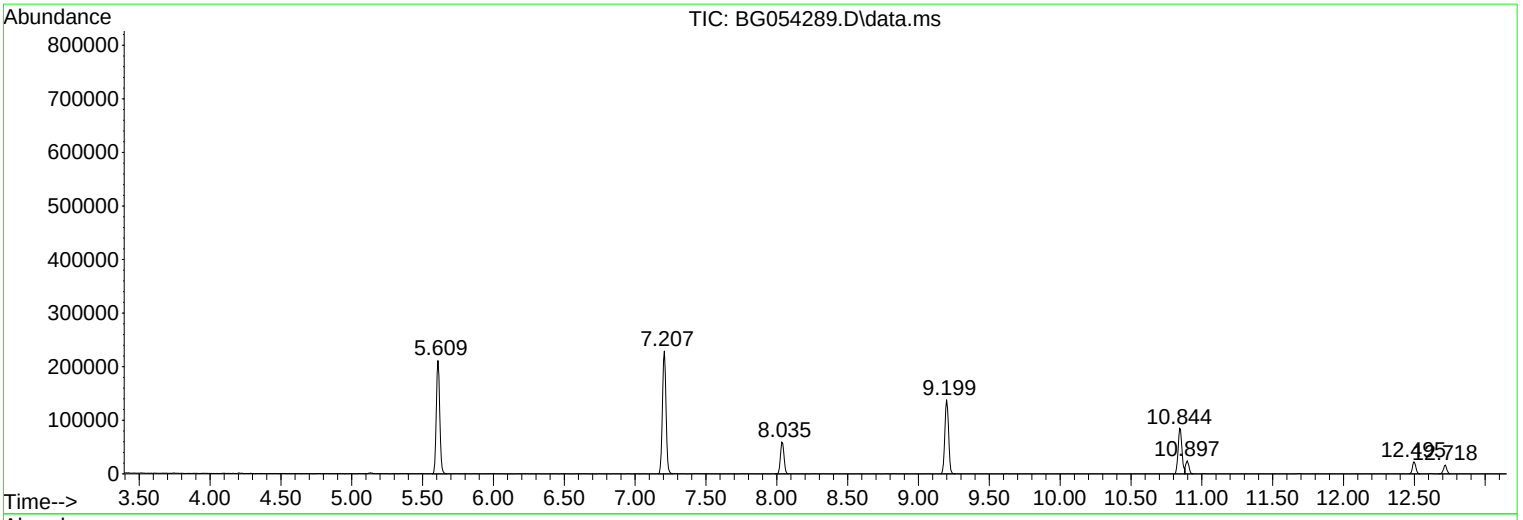
Sum of corrected areas: 17454988

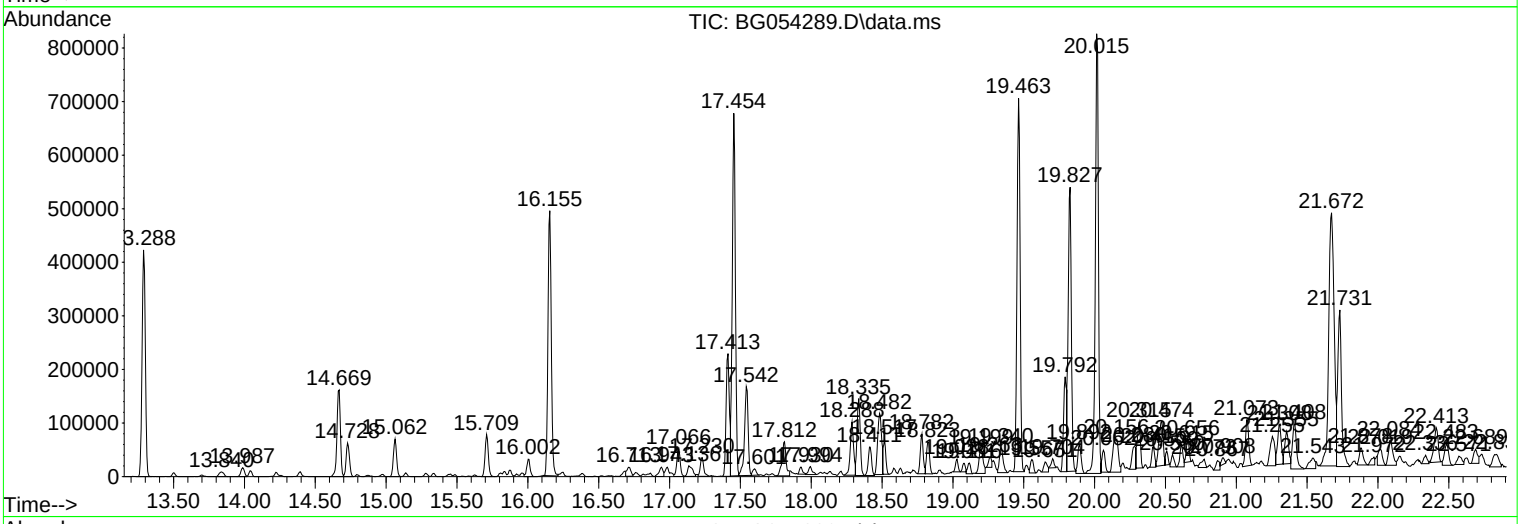
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

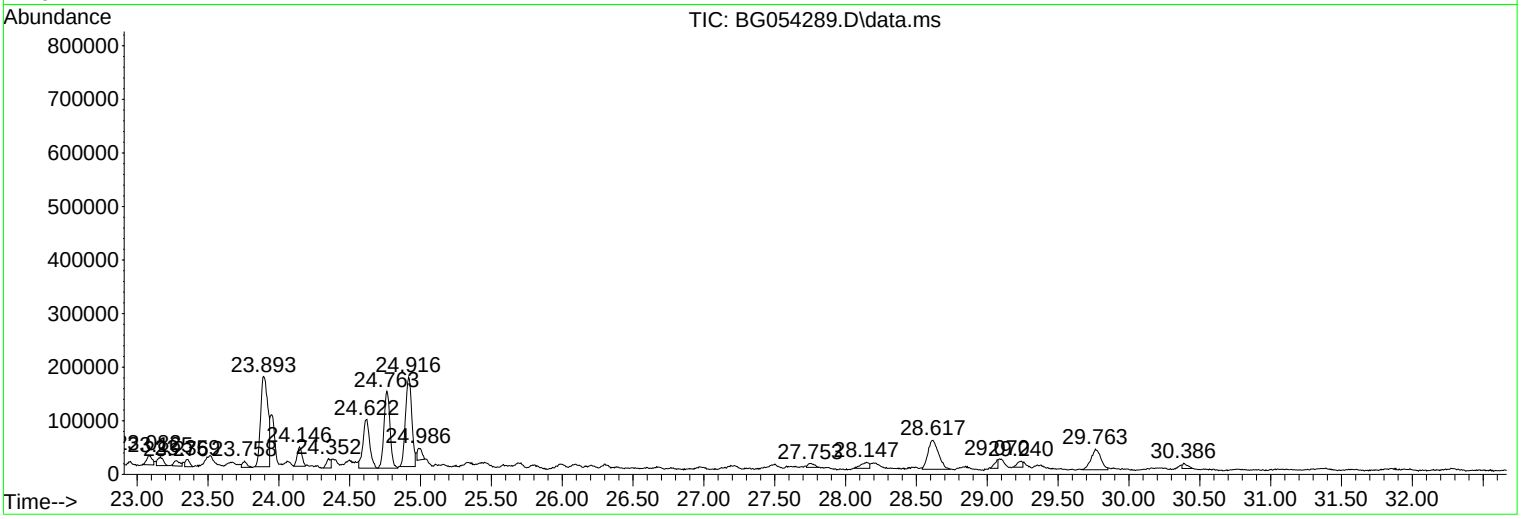
Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.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\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

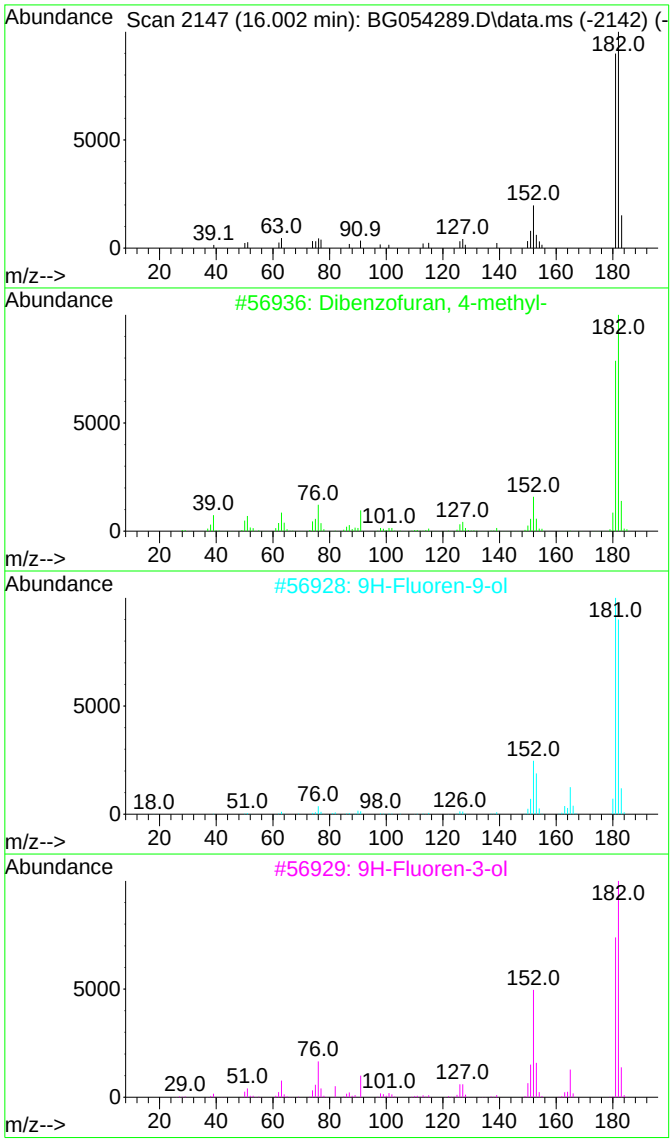
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

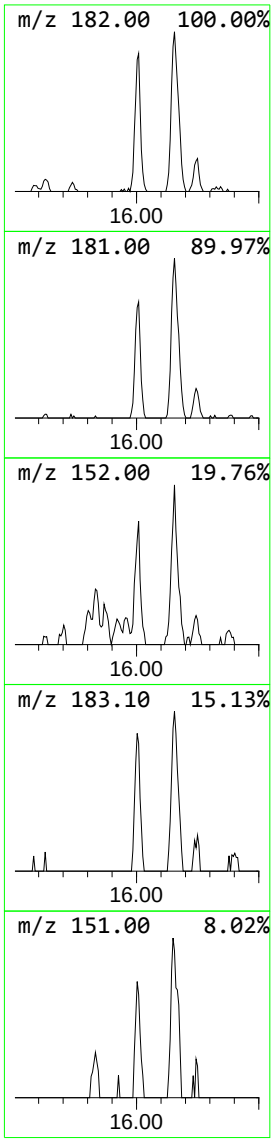
****

Peak Number 1 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.003	3.94 ng	53681	Acenaphthene-d10	14.669

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	83
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

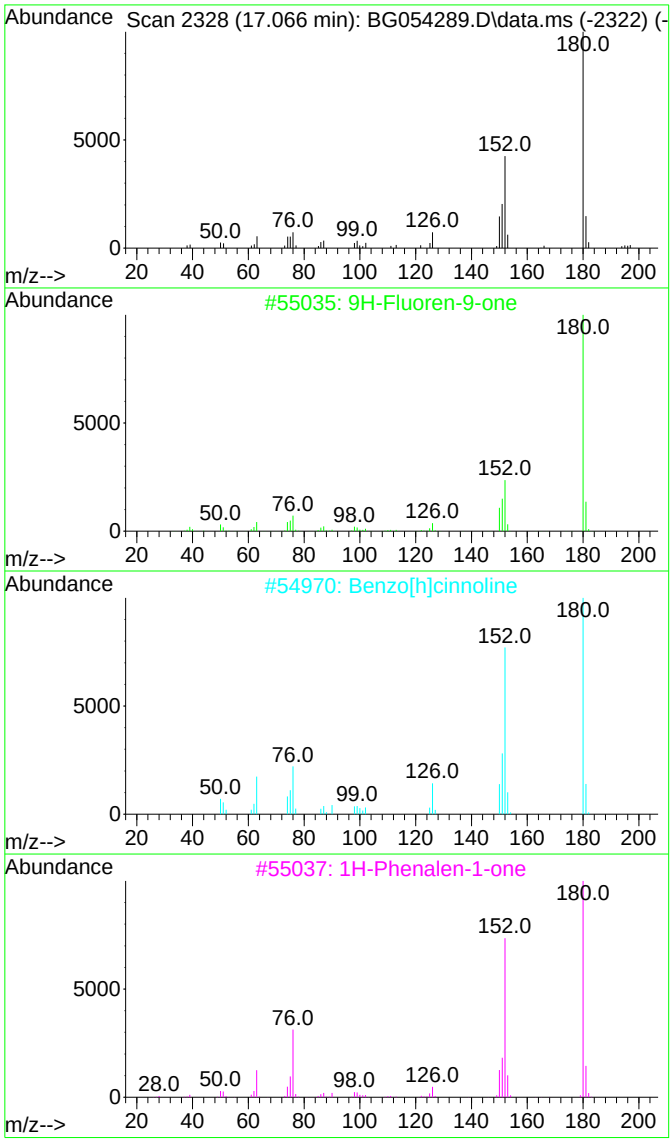
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

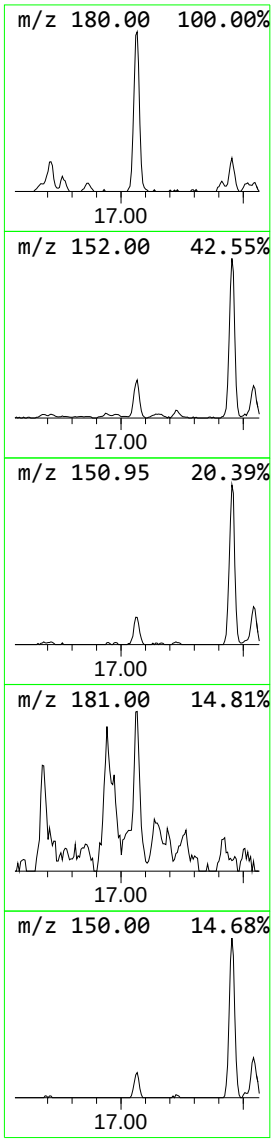
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.066	4.55 ng	86057	Phenanthrene-d10	17.413

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	72
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	5-Methoxy-4-methyl-2,1,3-benzoth...	180	C8H8N2OS	089976-68-1	50
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

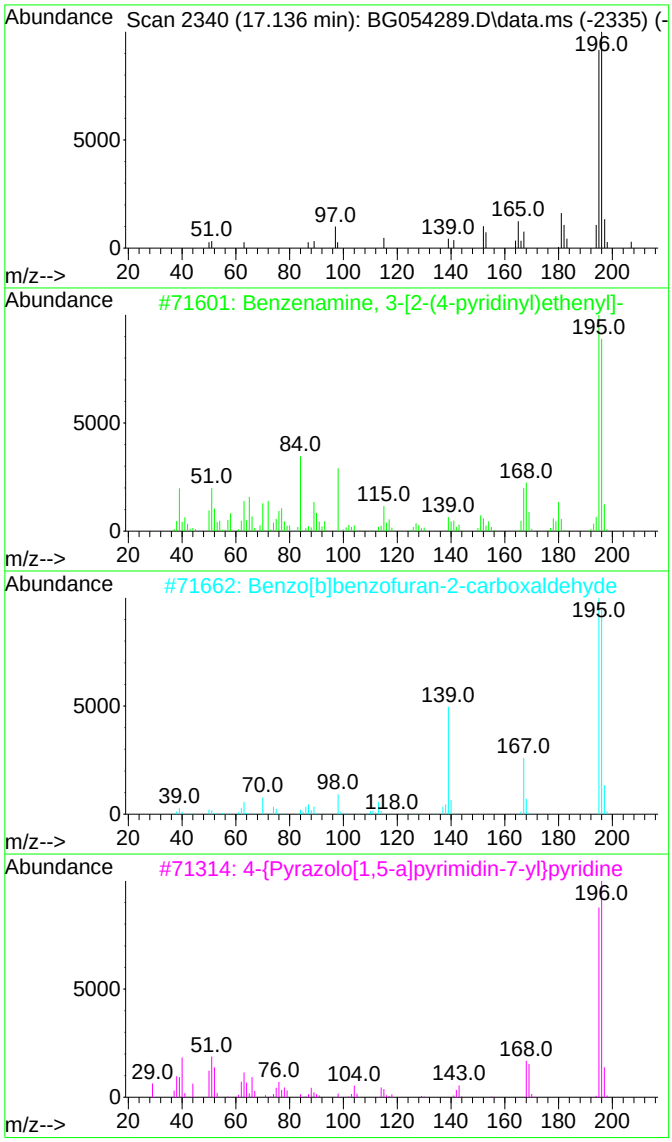
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

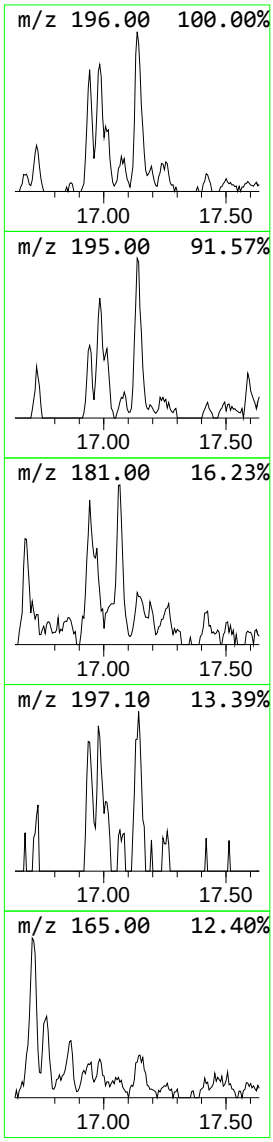
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzenamine, 3-[2-(4-pyridi... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.136	2.59 ng	48878	Phenanthrene-d10	17.413

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	64
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	59
3	4-{Pyrazolo[1,5-a]pyrimidin-7-yl...	196	C11H8N4	1000443-78-9	58
4	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	50
5	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

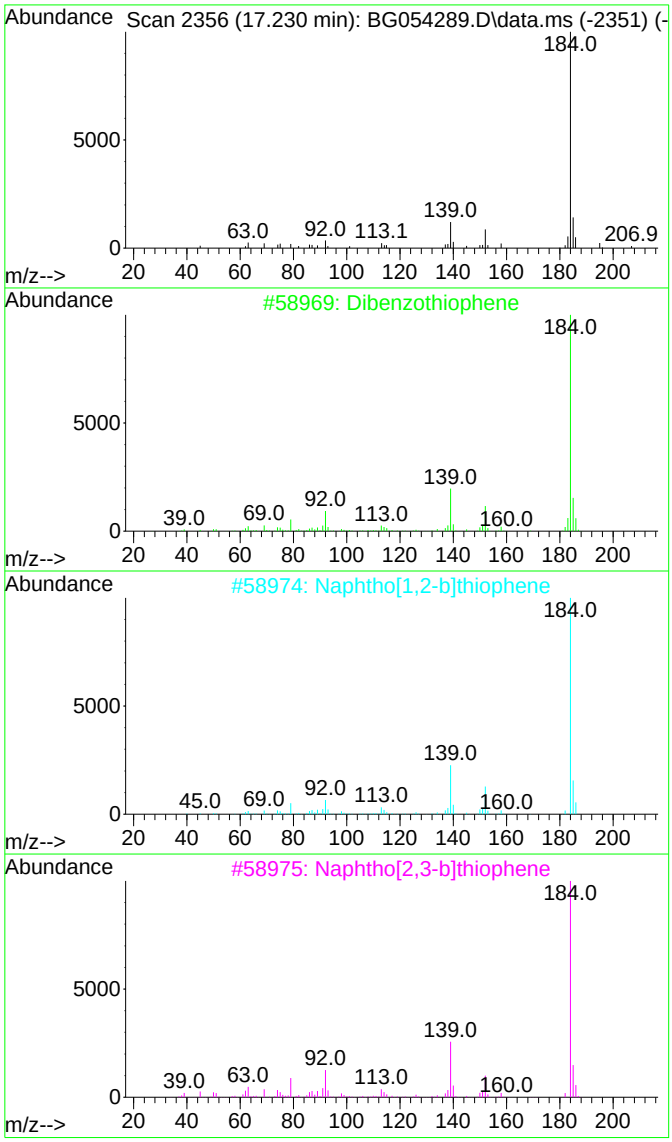
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

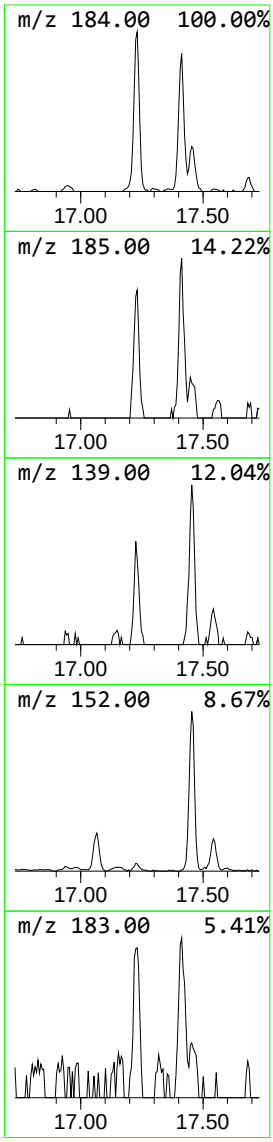
****

Peak Number 4 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.230	3.13 ng	59109	Phenanthrene-d10	17.413

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

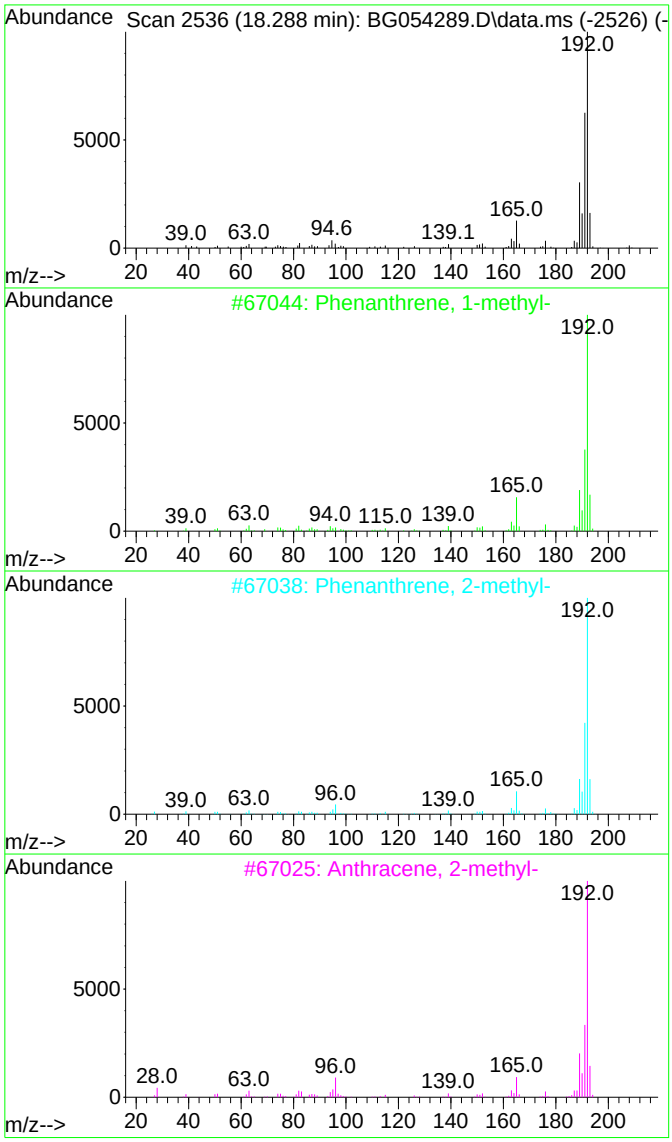
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

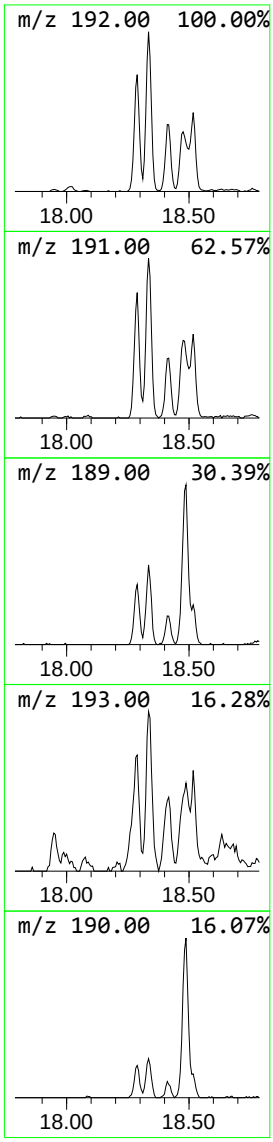
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.288	8.86 ng	167366	Phenanthrene-d10	17.413

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

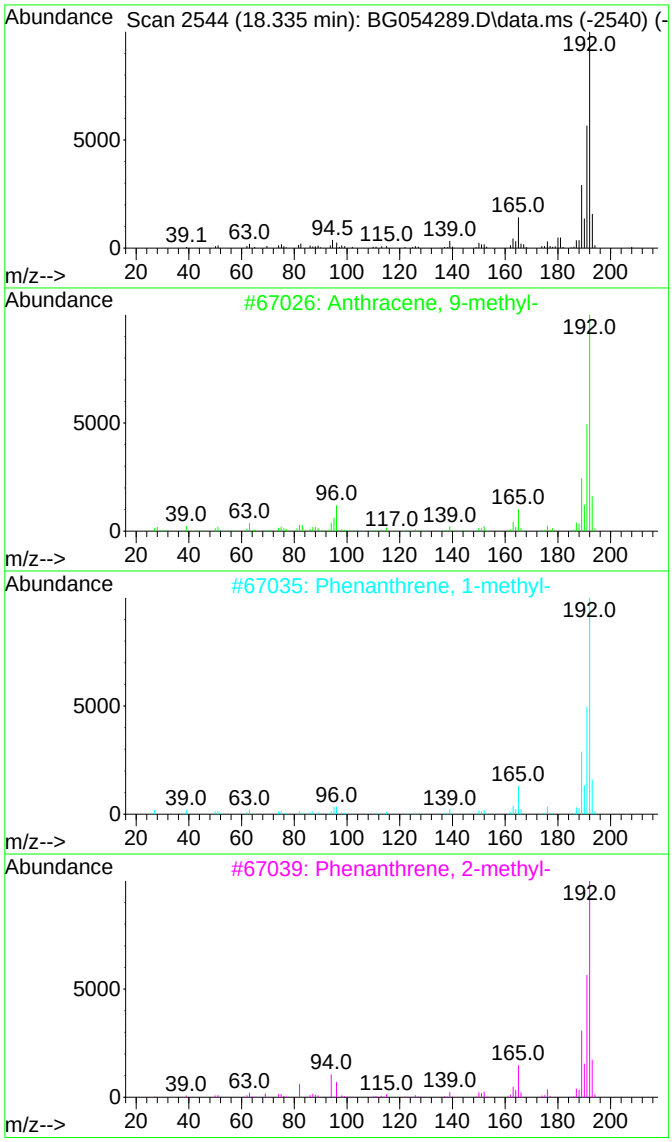
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

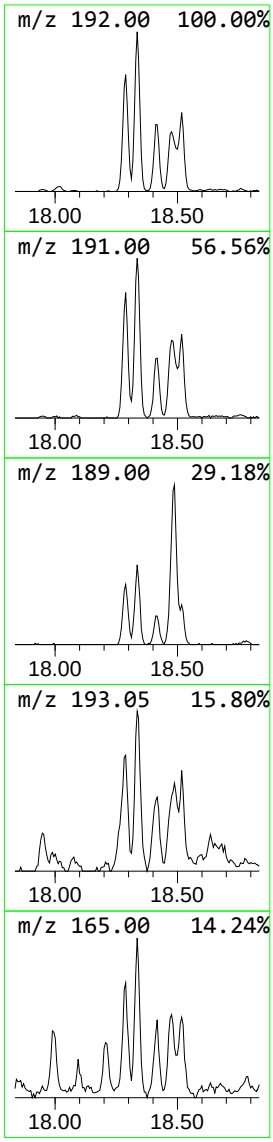
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.335	11.62 ng	219633	Phenanthrene-d10	17.413

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

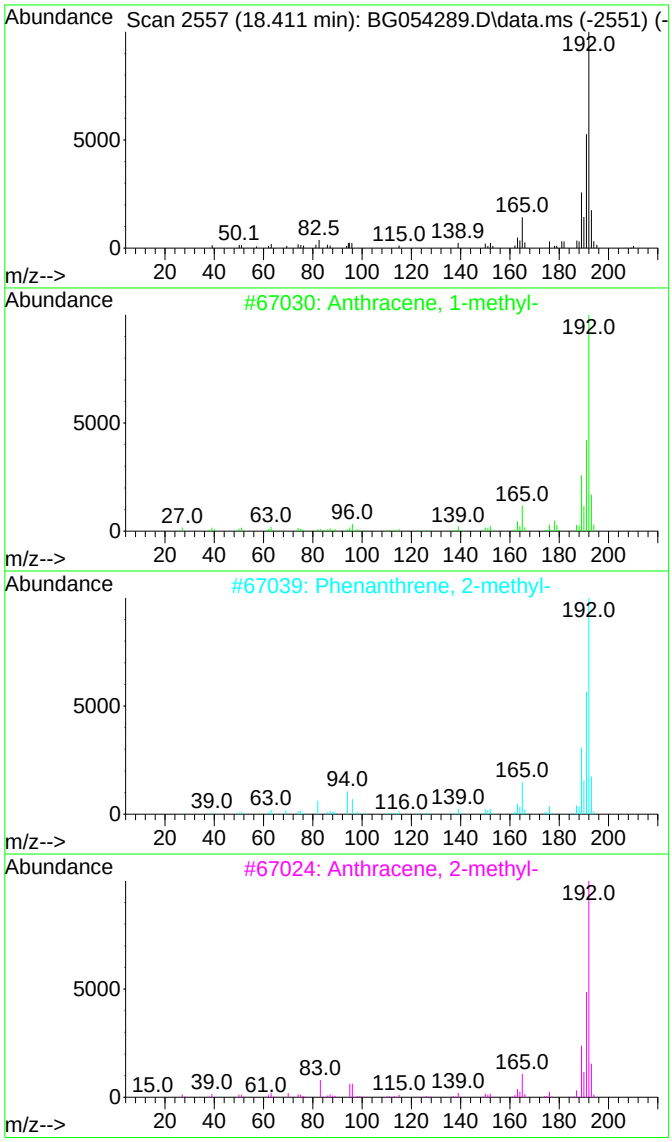
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

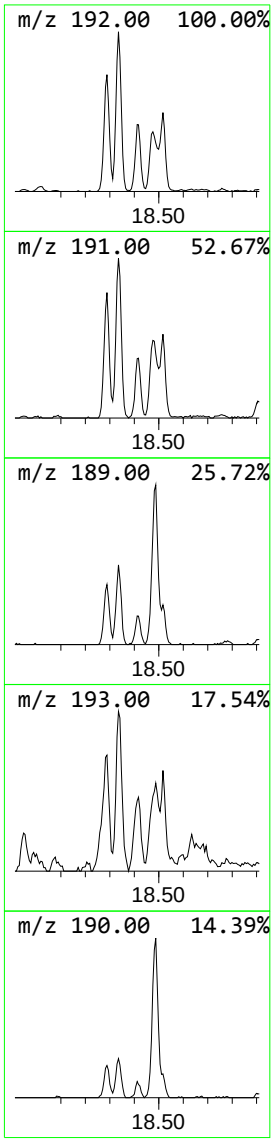
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.411	4.63 ng	87397	Phenanthrene-d10	17.413

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

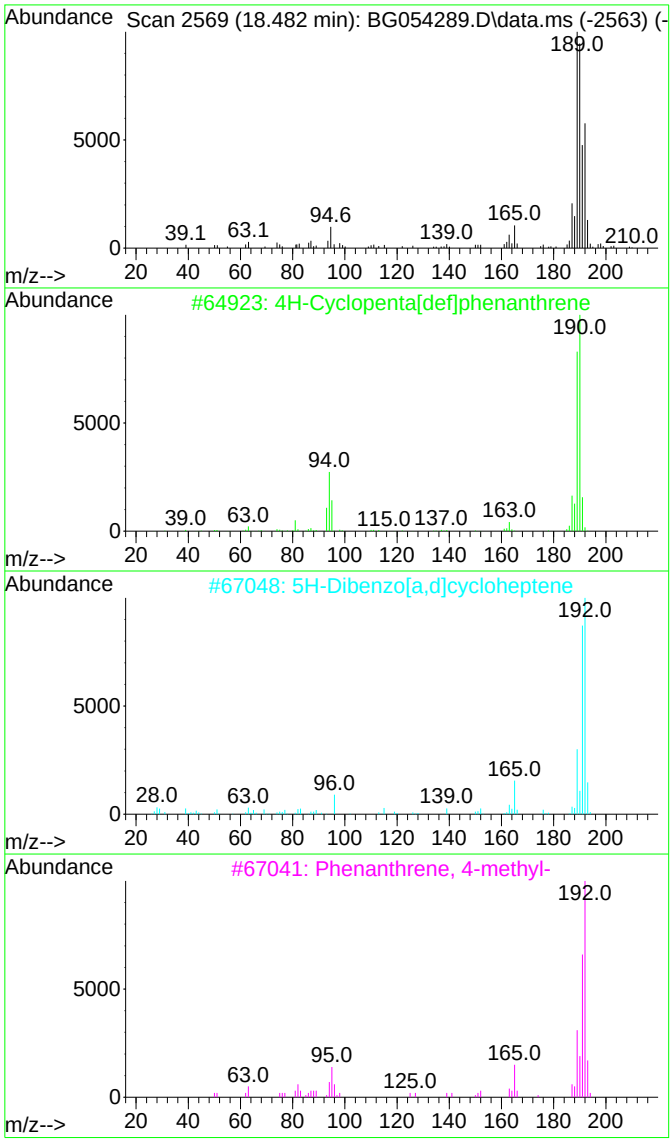
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

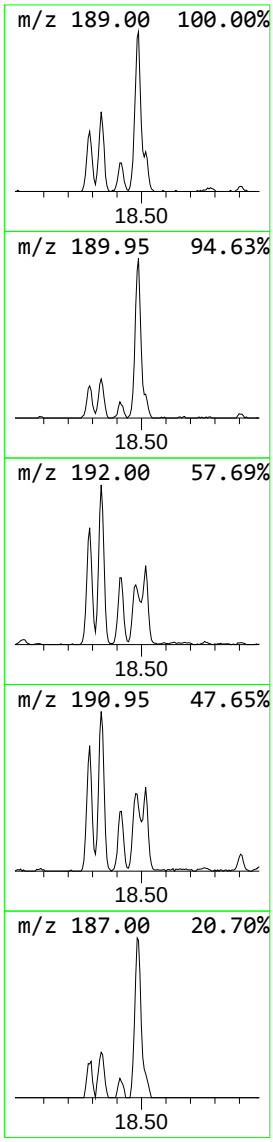
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.482	12.12 ng	229011	Phenanthrene-d10	17.413

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

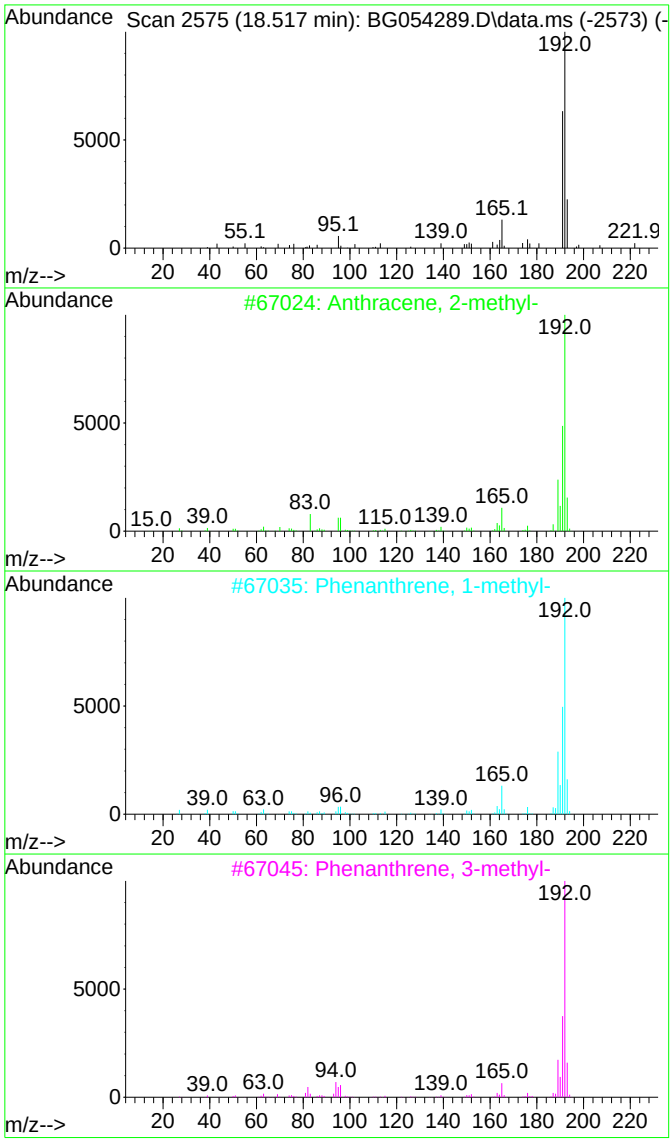
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

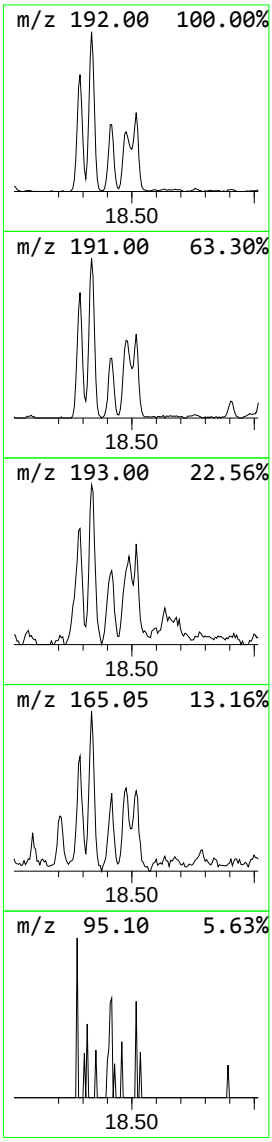
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.517	3.91 ng	73919	Phenanthrene-d10	17.413

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

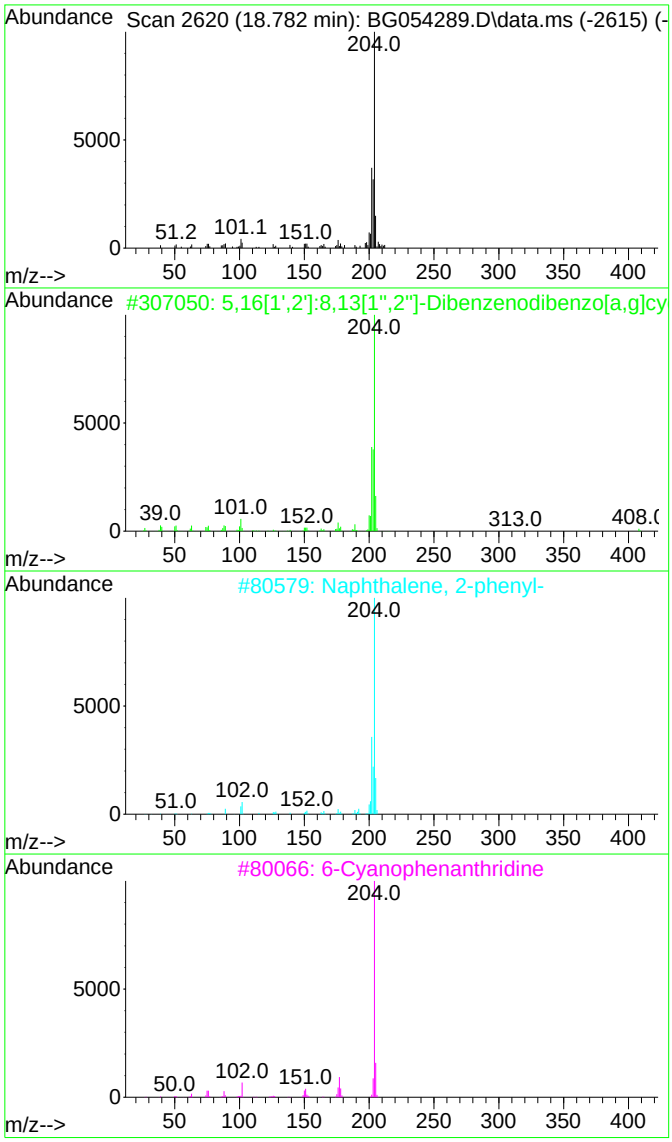
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

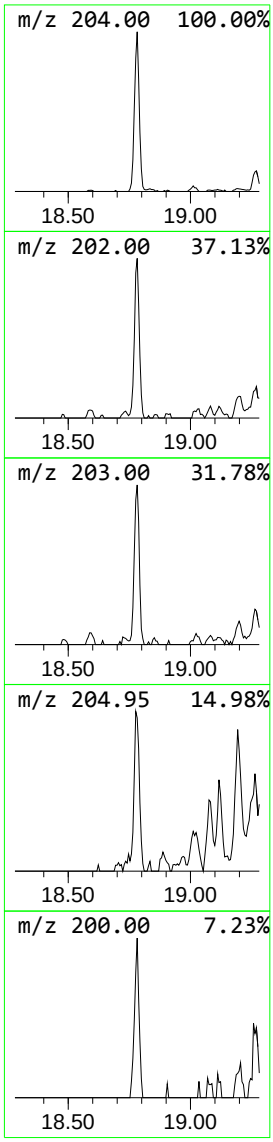
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.782	5.70 ng	107726	Phenanthrene-d10	17.413

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	60
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

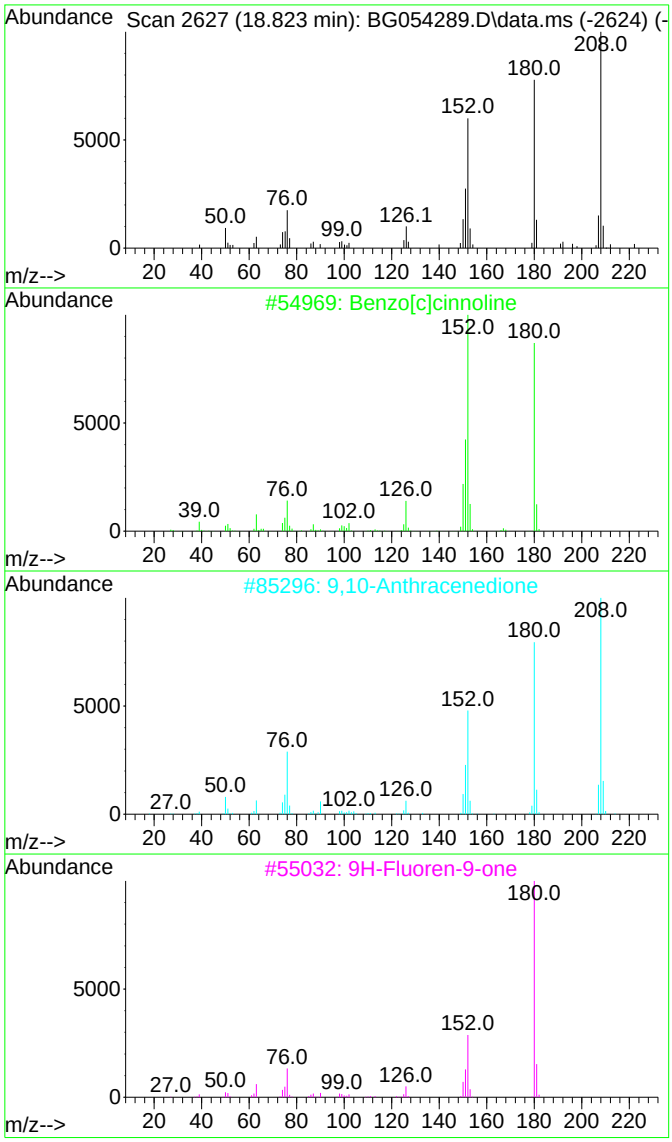
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

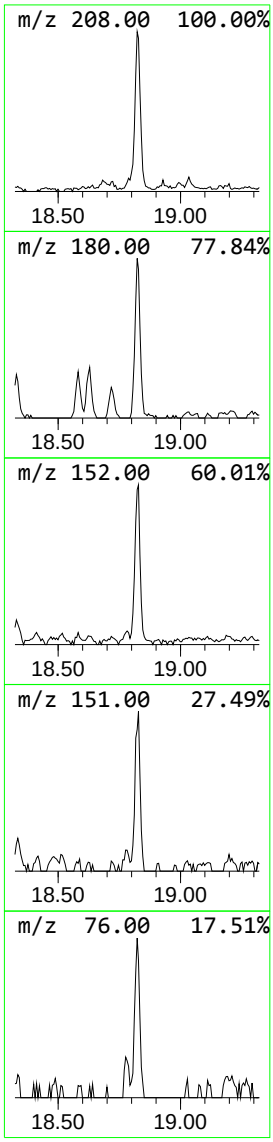
****

Peak Number 11 Benzo[c]cinnoline Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.823	4.62 ng	87213	Phenanthrene-d10	17.413

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

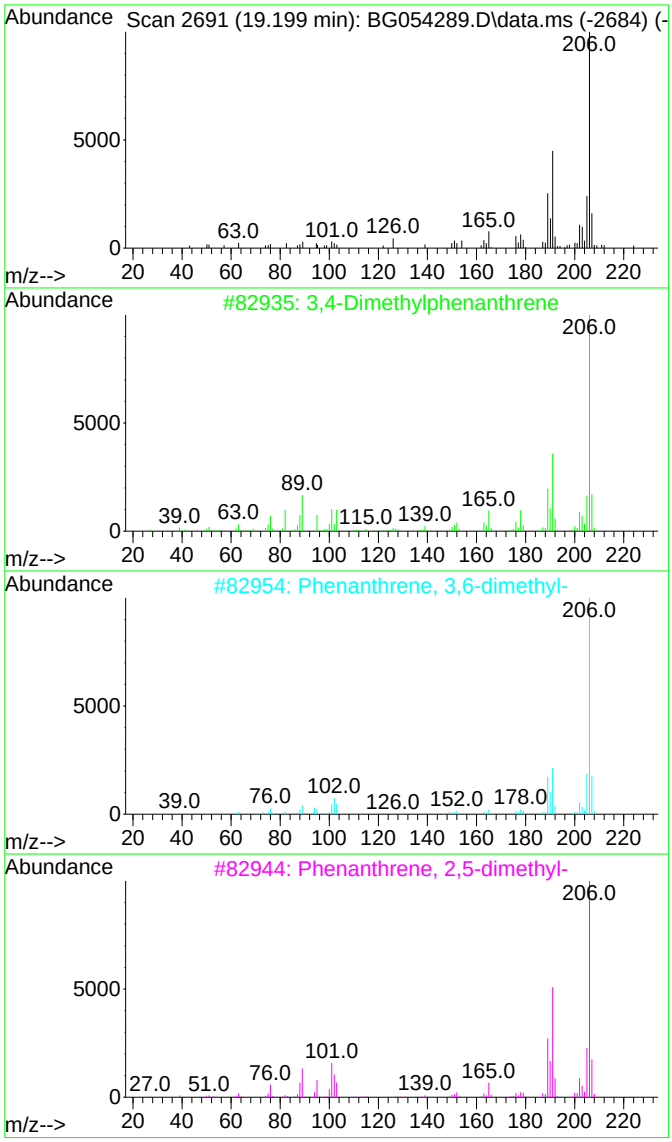
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

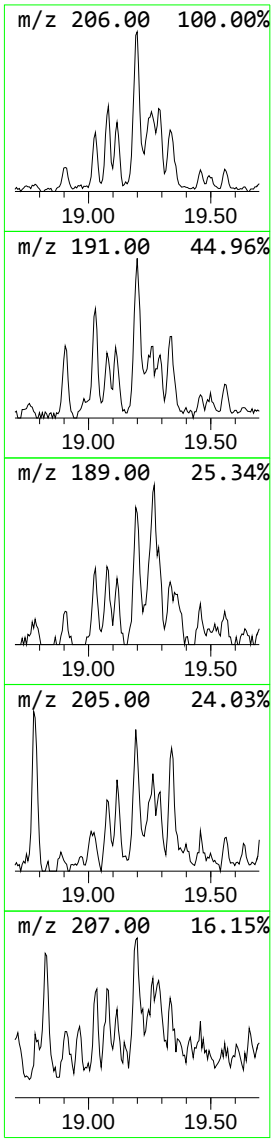
****

Peak Number 12 3,4-Dimethylphenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.199	5.00 ng	94438	Phenanthrene-d10	17.413

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

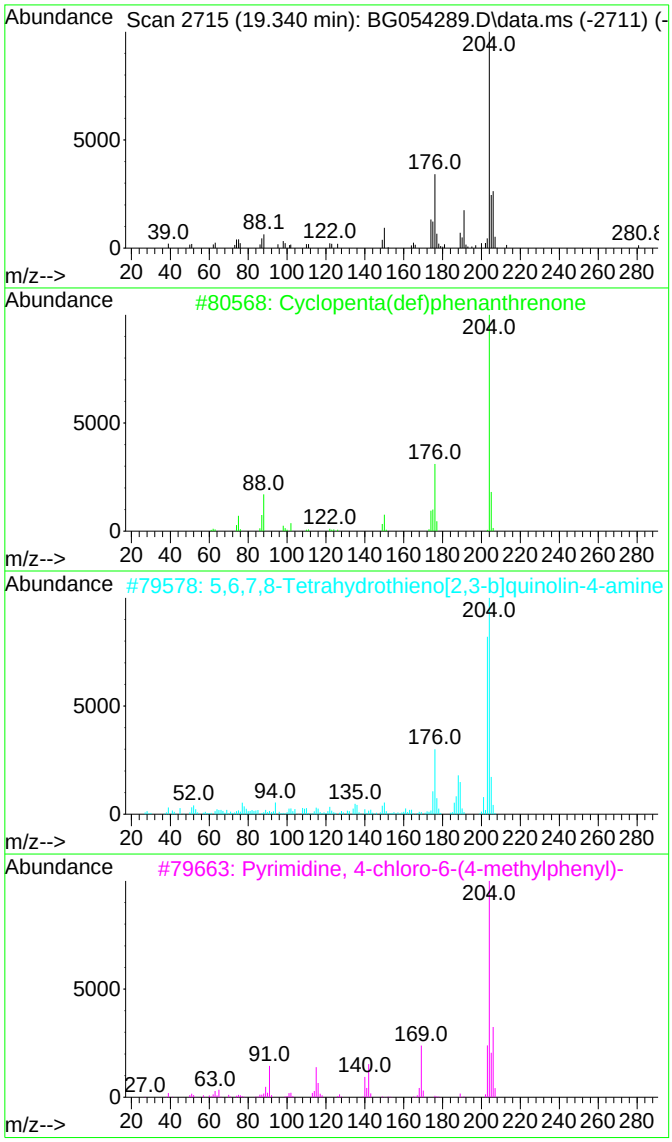
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

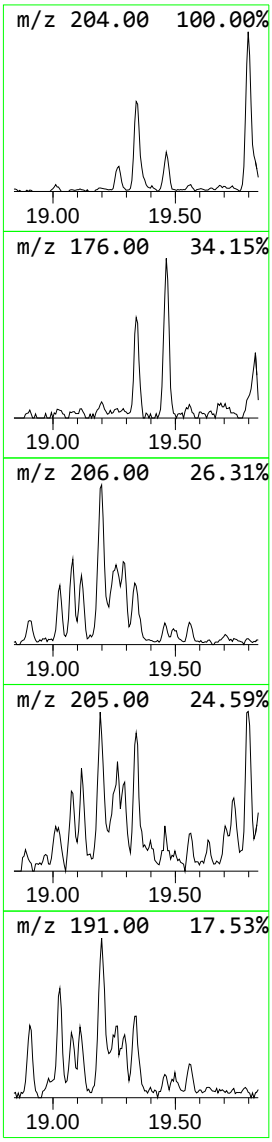
****

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.340	4.44 ng	83827	Phenanthrene-d10	17.413

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	50
4	4-Formyl-7-methoxycoumarin	204	C11H8O4	1000429-03-0	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

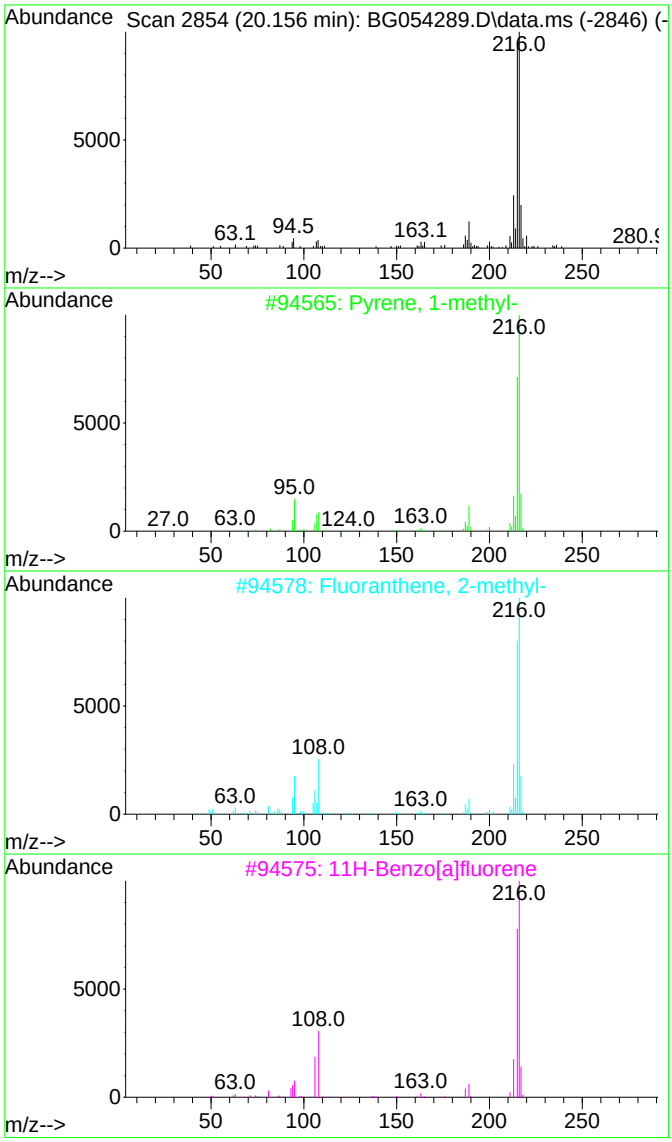
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

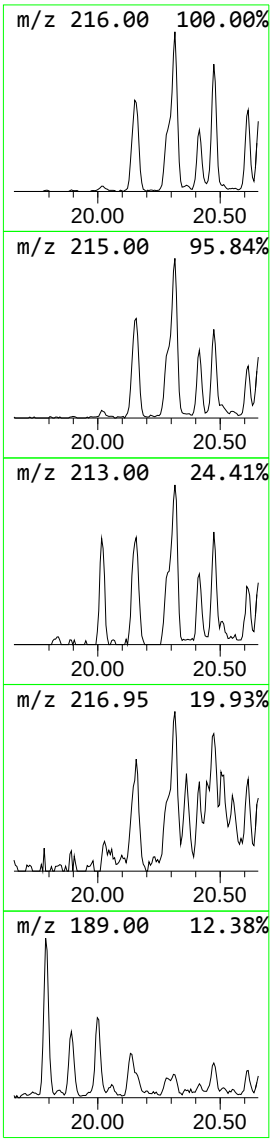
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.156	2.68 ng	170133	Chrysene-d12	21.684

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

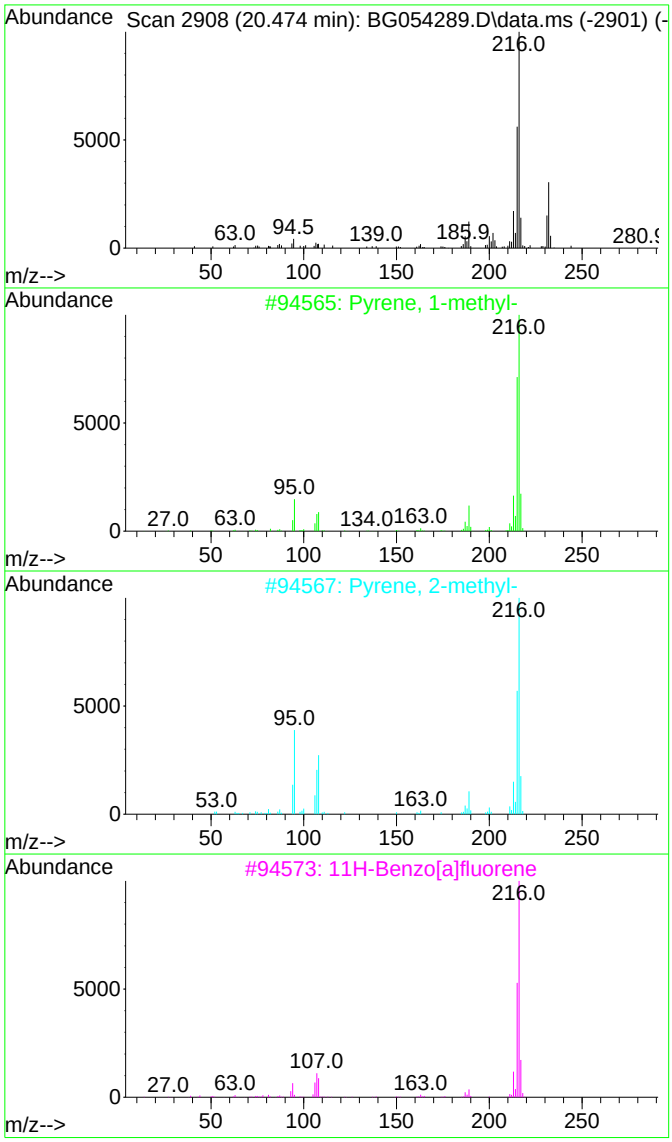
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

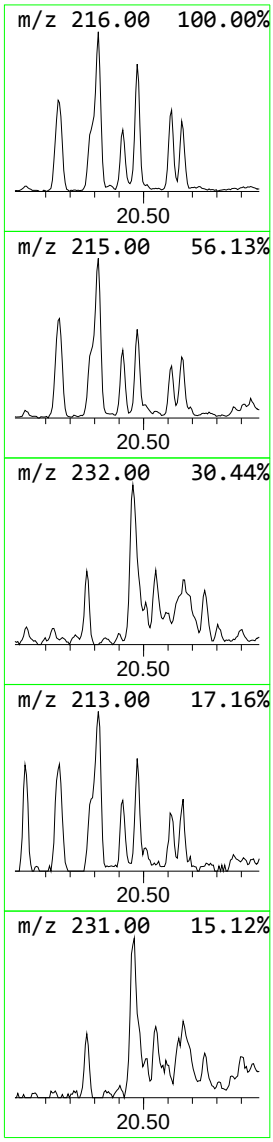
****

Peak Number 15 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.474	2.71 ng	171489	Chrysene-d12	21.684

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

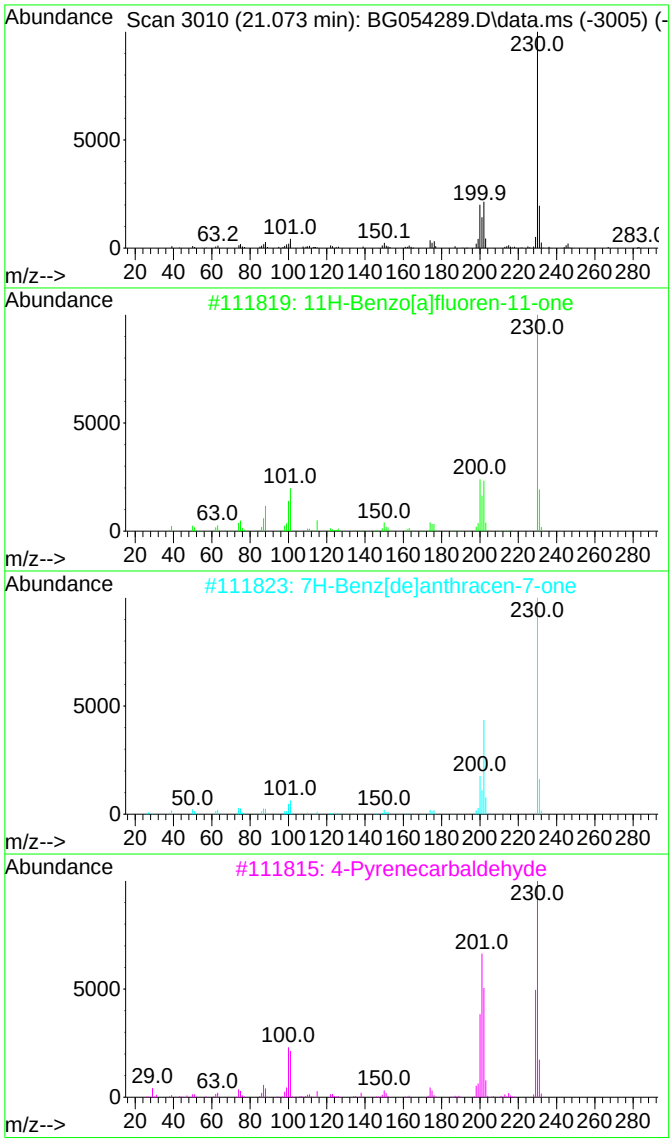
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

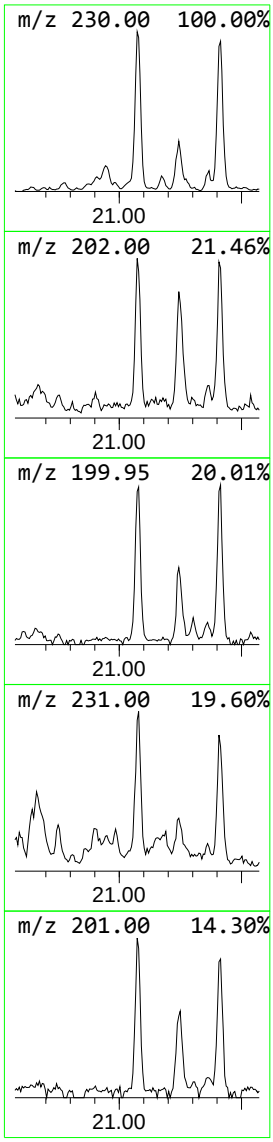
****

Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.073	2.24 ng	141727	Chrysene-d12	21.684

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	83
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	74
5	6,6-Diphenylfulvene	230	C18H14	002175-90-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

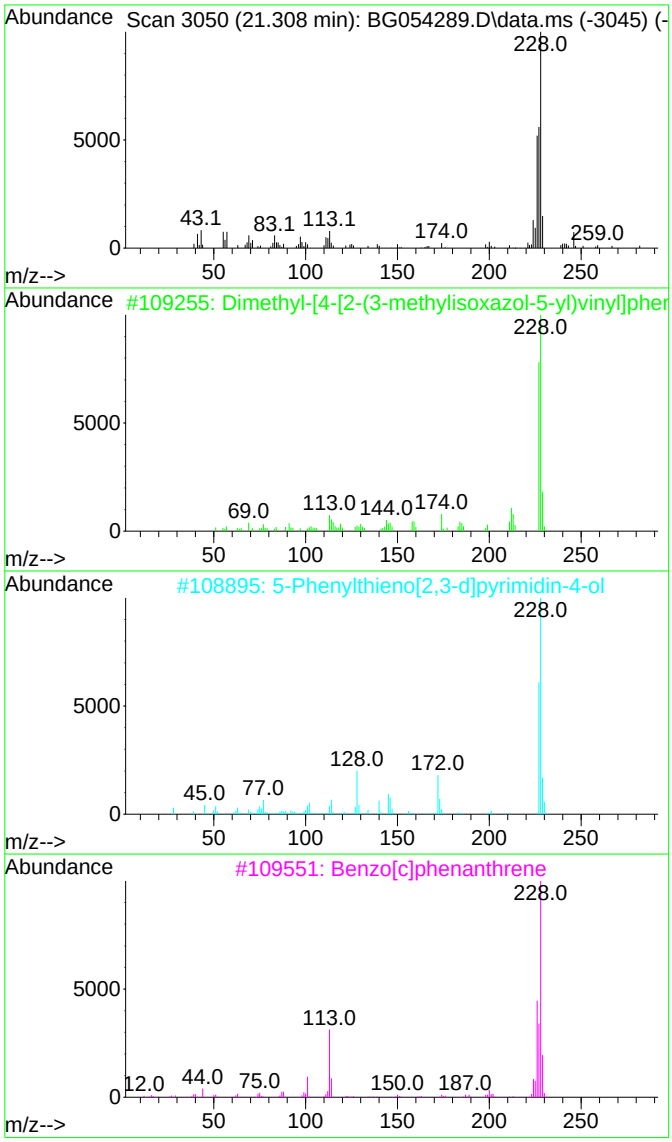
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

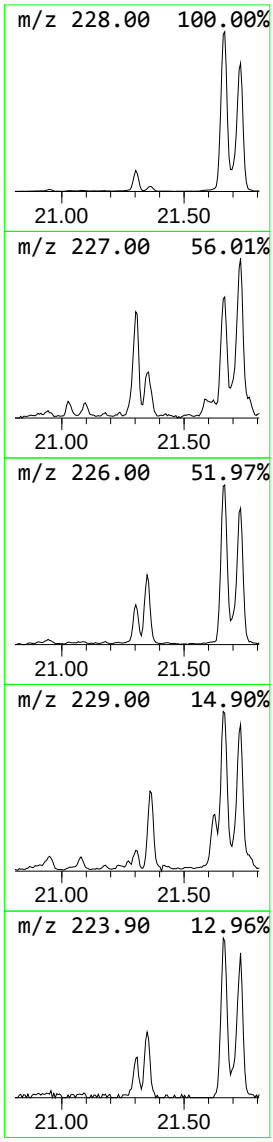
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Dimethyl-[4-[2-(3-methyliso... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.308	2.17 ng	137429	Chrysene-d12	21.684

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
2	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4	Triphenylene	228	C18H12	000217-59-4	43
5	Chrysene	228	C18H12	000218-01-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

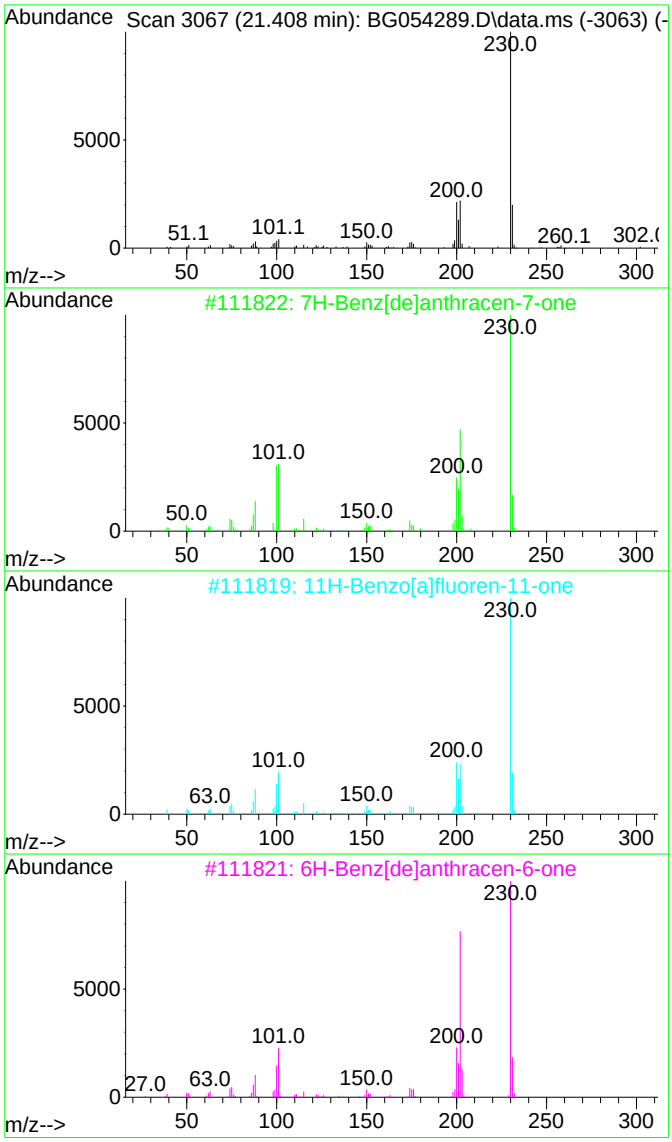
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

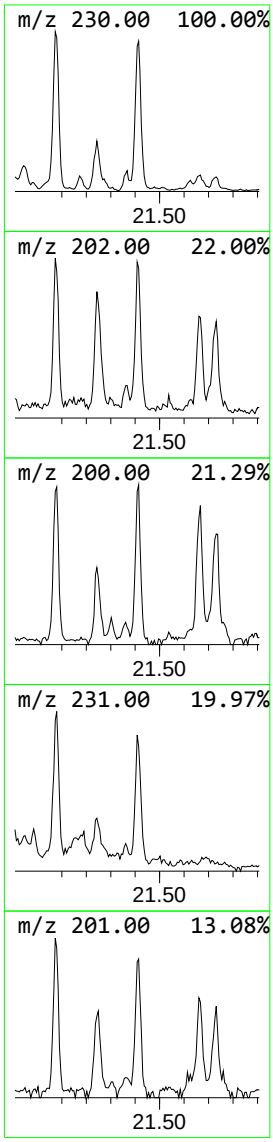
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 7H-Benz[de]anthracen-7-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.408	2.64 ng	167100	Chrysene-d12	21.684

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	83
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	5-Amino-7-imino-4,8-diazatricycl...	230	C12H14N4O	1000388-35-6	58
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	56





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

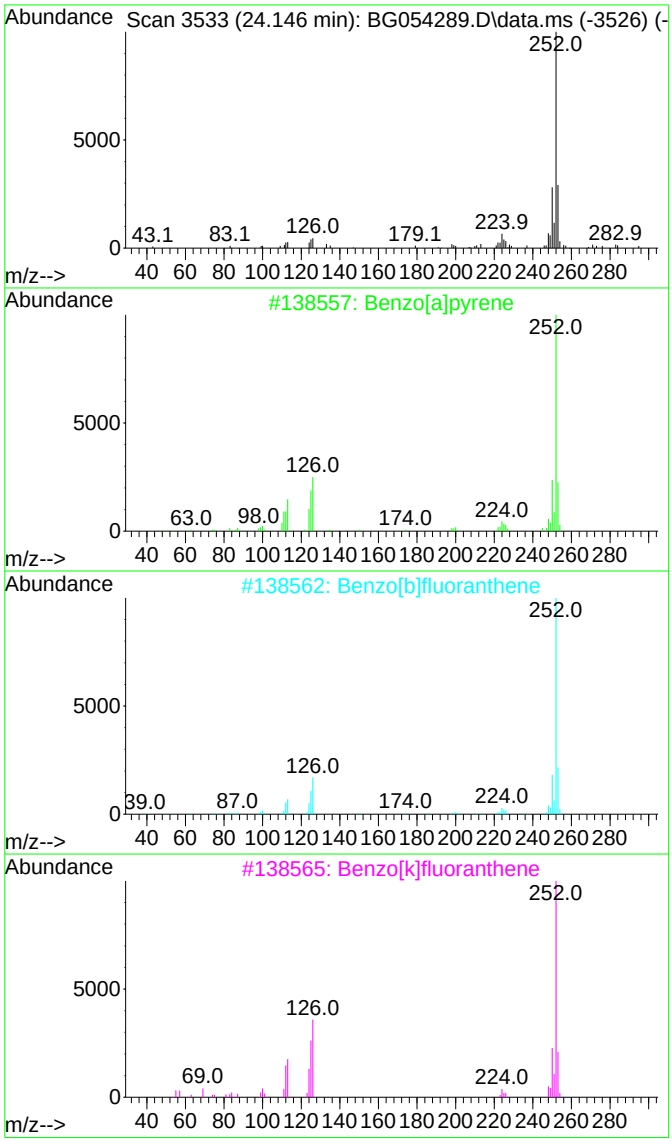
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

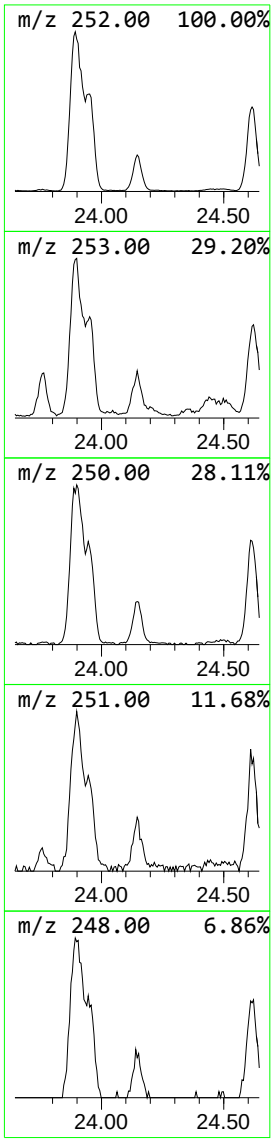
****

Peak Number 19 Perylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.146	3.36 ng	87160	Perylene-d12	24.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	89
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
4	Perylene	252	C20H12	000198-55-0	76
5	Benzo[e]pyrene	252	C20H12	000192-97-2	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

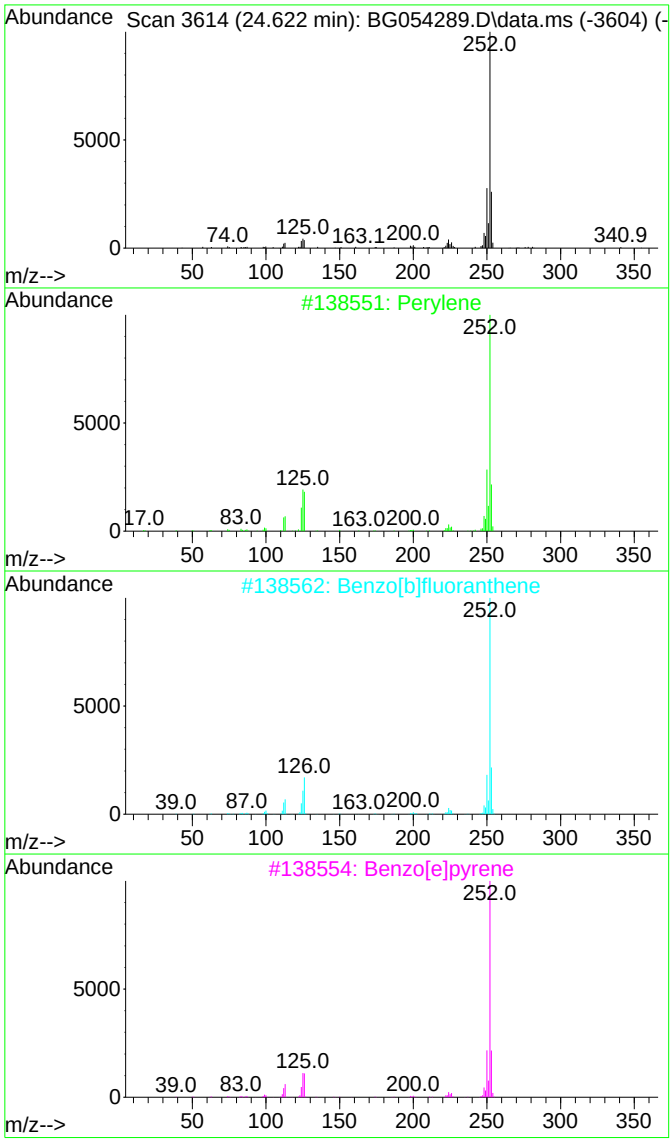
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

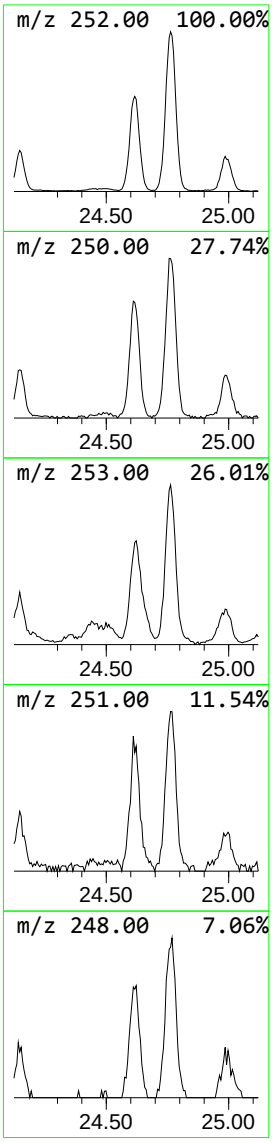
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.622	11.59 ng	300984	Perylene-d12	24.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054289.D
Acq On : 14 Jul 2022 21:10
Operator : CG/JU
Sample : N3711-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PSC124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.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
Dibenzofuran, 4...	16.003	3.9	ng	53681	3	14.669	272402	20.0
9H-Fluoren-9-one	17.066	4.5	ng	86057	4	17.413	377908	20.0
Benzenamine, 3-...	17.136	2.6	ng	48878	4	17.413	377908	20.0
Dibenzothiophene	17.230	3.1	ng	59109	4	17.413	377908	20.0
Phenanthrene, 1...	18.288	8.9	ng	167366	4	17.413	377908	20.0
Anthracene, 9-m...	18.335	11.6	ng	219633	4	17.413	377908	20.0
Anthracene, 1-m...	18.411	4.6	ng	87397	4	17.413	377908	20.0
4H-Cyclopenta[d...	18.482	12.1	ng	229011	4	17.413	377908	20.0
Anthracene, 2-m...	18.517	3.9	ng	73919	4	17.413	377908	20.0
5,16[1',2']:8,1...	18.782	5.7	ng	107726	4	17.413	377908	20.0
Benzo[c]cinnoline	18.823	4.6	ng	87213	4	17.413	377908	20.0
3,4-Dimethylphe...	19.199	5.0	ng	94438	4	17.413	377908	20.0
Cyclopenta(def)...	19.340	4.4	ng	83827	4	17.413	377908	20.0
Pyrene, 1-methyl-	20.156	2.7	ng	170133	5	21.684	1267750	20.0
Pyrene, 2-methyl-	20.474	2.7	ng	171489	5	21.684	1267750	20.0
11H-Benzo[a]flu...	21.073	2.2	ng	141727	5	21.684	1267750	20.0
Dimethyl-[4-[2-...	21.308	2.2	ng	137429	5	21.684	1267750	20.0
7H-Benz[de]anth...	21.408	2.6	ng	167100	5	21.684	1267750	20.0
Perylene	24.146	3.4	ng	87160	6	24.916	519322	20.0
Benzo[e]pyrene	24.622	11.6	ng	300984	6	24.916	519322	20.0