LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-062922

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-BG061322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054180.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.637	375	383	398	rBV	273569	487227	19.13%	1.846%
2	7.230	647	654	664	rBV	278839	525252	20.62%	1.990%
3	8.070	789	797	804	rBV	82195	147312	5.78%	0.558%
4	9.227	979	994	1003	rBV	183142	348779	13.69%	1.322%
5	10.878	1265	1275	1281	rBV	109031	213251	8.37%	0.808%
6	12.747	1586	1593	1600	rBV	21488	38570	1.51%	0.146%
7	13.317	1683	1690	1697	rBV	563234	915582	35.95%	3.470%
8	14.016	1802	1809	1814	rBV	37889	66534	2.61%	0.252%
9	14.069	1814	1818	1823	rVB2	21724	32919	1.29%	0.125%
10	14.251	1843	1849	1853	rBV	18410	32102	1.26%	0.122%
11	14.415	1868	1877	1889	rBV2	41054	86069	3.38%	0.326%
12	14.691	1913	1924	1930	rBV	177725	319617	12.55%	1.211%
13	14.756	1930	1935	1942	rVB	52821	88265	3.47%	0.334%
14	14.897	1954	1959	1969	rBV5	10669	27431	1.08%	0.104%
15	15.091	1982	1992	1998	rVV	61128	102216	4.01%	0.387%
16	15.167	2000	2005	2009	rVB	21907	33171	1.30%	0.126%
17	15.303	2021	2028	2034	rBV5	18708	41229	1.62%	0.156%
18	15.361	2034	2038	2044	rVB2	17876	27311	1.07%	0.103%
19	15.479	2050	2058	2061	rBV4	14356	31572	1.24%	0.120%
20	15.737	2096	2102	2112	rVB	148872	247030	9.70%	0.936%
21	16.031	2147	2152	2161	rVB	31616	58122	2.28%	0.220%
22	16.178	2169	2177	2186	rBV	479344	790650	31.05%	2.996%
23	16.413	2207	2217	2224	rBV7	18393	44866	1.76%	0.170%
24	16.742	2265	2273	2278	rBV2	45148	90768	3.56%	0.344%
25	16.789	2278	2281	2287	rVB3	29841	44570	1.75%	0.169%
26	16.889	2293	2298	2303	rVB	26617	46017	1.81%	0.174%
27	16.965	2303	2311	2315	rBV7	17987	46447	1.82%	0.176%
28	17.012	2316	2319	2325	rVV4	21345	39357	1.55%	0.149%
29	17.089	2329	2332	2340	rVV8	11849	25697	1.01%	0.097%
30	17.183	2341	2348	2352	rVV3	20889	53301	2.09%	0.202%
31	17.253	2354	2360	2369	rVB	79124	147425	5.79%	0.559%
32	17.441	2386	2392	2394	rBV	220729	349743	13.73%	1.325%
33	17.482	2394	2399	2406	rVV	1021156	1710145	67.15%	6.481%
34	17.570	2409	2414	2420	rVV	301242	469387	18.43%	1.779%
35	17.623	2420	2423	2429	rVB3	29267	55382	2.17%	0.210%
36	17.841	2454	2460	2470	rBV	85645	150607	5.91%	0.571%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-062922

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-BG061322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.952	2476	2479	2485	rVB	26471	37928	1.49%	0.144%
38	18.023	2485	2491	2498	rVB2	46848	84685	3.33%	0.321%
39	18.170	2510	2516	2522	rVB2	32659	67631	2.66%	0.256%
40	18.317	2535	2541	2545	rBV	195800	316521	12.43%	1.199%
41	18.364	2545	2549	2556	rVB	242515	370517	14.55%	1.404%
42	18.446	2558	2563	2567	rBV	97119	143976	5.65%	0.546%
43	18.511	2567	2574	2578	rBV2	300962	580246	22.78%	2.199%
44	18.546	2578	2580	2586	rVB	129084	158020	6.20%	0.599%
45	18.616	2588	2592	2595	rBV4	26014	31109	1.22%	0.118%
46	18.810	2620	2625	2629	rBV	133328	198502	7.79%	0.752%
47	18.857	2629	2633	2643	rVB7	33063	68729	2.70%	0.260%
48	19.051	2664	2666	2671	rVB	37436	46026	1.81%	0.174%
49	19.104	2672	2675	2678	rBV	38420	48781	1.92%	0.185%
50	19.227	2691	2696	2701	rBV	106690	201258	7.90%	0.763%
51	19.368	2716	2720	2728	rBV3	53936	135919	5.34%	0.515%
52	19.498	2735	2742	2747	rBV	1468469	2295858	90.15%	8.700%
53	19.550	2748	2751	2754	rVV2	35276	44760	1.76%	0.170%
54	19.586	2754	2757	2761	rVB2	54426	68146	2.68%	0.258%
55	19.639	2763	2766	2770	rBV	43489	57419	2.25%	0.218%
56	19.733	2779	2782	2792	rVB2	76088	146018	5.73%	0.553%
57	19.856	2792	2803	2810	rBV2	1311431	2546785	100.00%	9.651%
58	19.921	2811	2814	2821	rVB2	84381	132492	5.20%	0.502%
59	20.044	2829	2835	2840	rVB	987738	1395585	54.80%	5.289%
60	20.173	2852	2857	2863	rBV2	111077	286567	11.25%	1.086%
61	20.344	2882	2886	2891	rVB	363964	558596	21.93%	2.117%
62	20.444	2899	2903	2907	rBV	330909	433261	17.01%	1.642%
63	20.502	2910	2913	2917	rVB	126780	172270	6.76%	0.653%
64	20.643	2933	2937	2940	rBV	113293	158026	6.20%	0.599%
65	20.690	2941	2945	2953	rVB	125239	223176	8.76%	0.846%
66	21.296	3044	3048	3051	rBV	106579	154988	6.09%	0.587%
67	21.337	3052	3055	3060	rVV	130351	187947	7.38%	0.712%
68	21.390	3060	3064	3069	rVB3	113048	175408	6.89%	0.665%
69	21.701	3111	3117	3124	rBV3	888111	2031955	79.79%	7.700%
70	21.766	3124	3128	3140	rVB	717727	1322224	51.92%	5.011%
71	21.918	3150	3154	3159	rVB	164360	272490	10.70%	1.033%
72	23.957	3493	3501	3508	rBV	412765	1441031	56.58%	5.461%
73	24.692	3620	3626	3639	rVB	224678	661894	25.99%	2.508%
74	24.838	3643	3651	3665	rVB	368038	1197820	47.03%	4.539%

Sum of corrected areas: 26388487

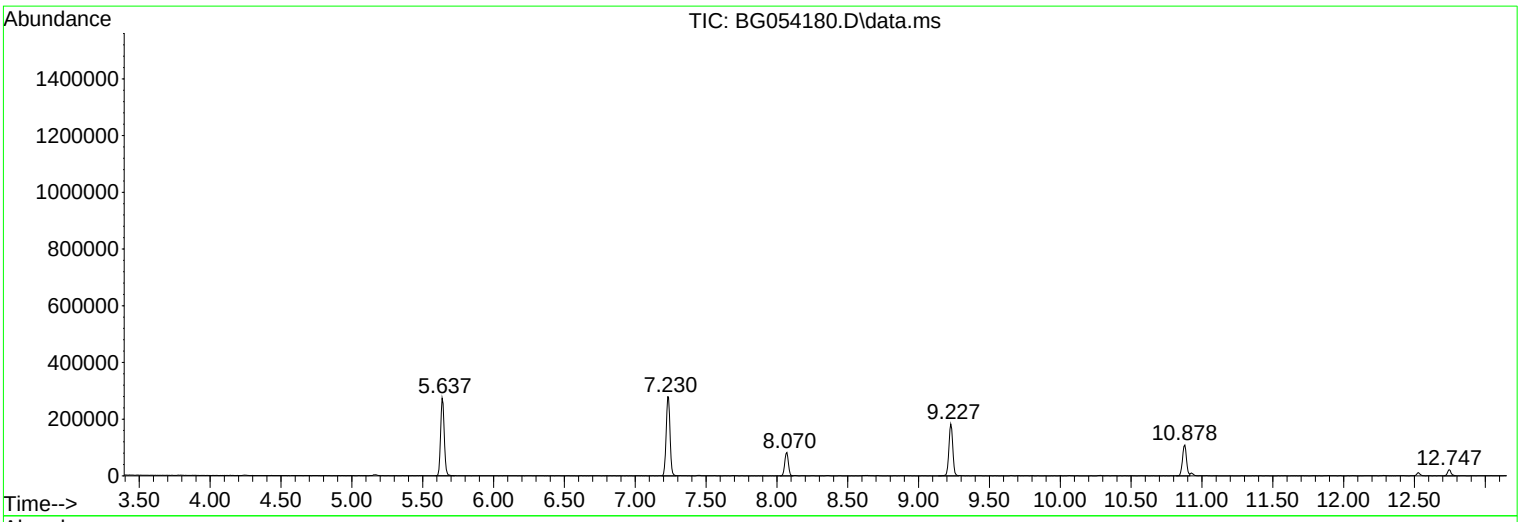
Instrument :
BNA_G
ClientSampleId :
CL-02-062922

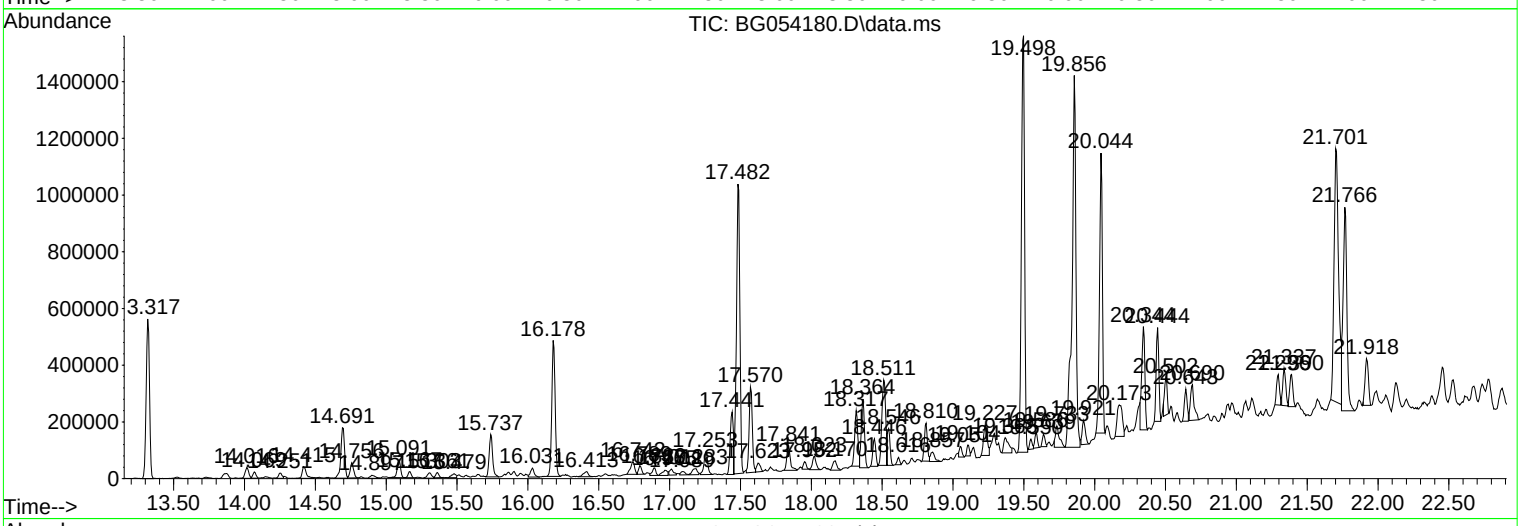
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

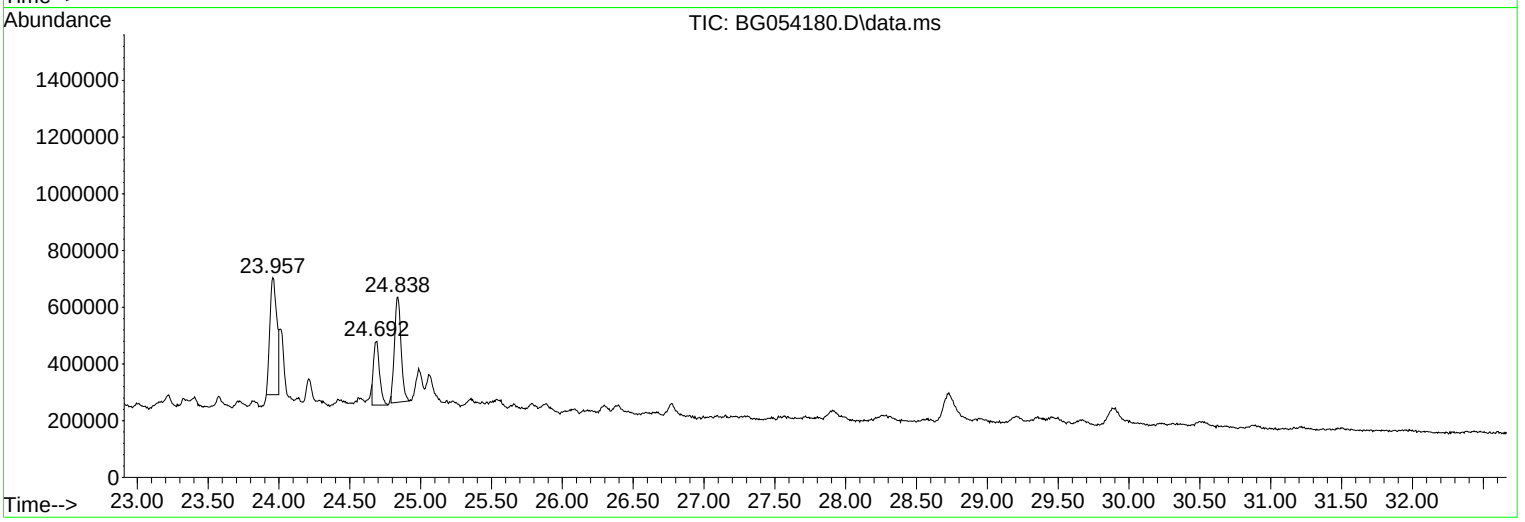
Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.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\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

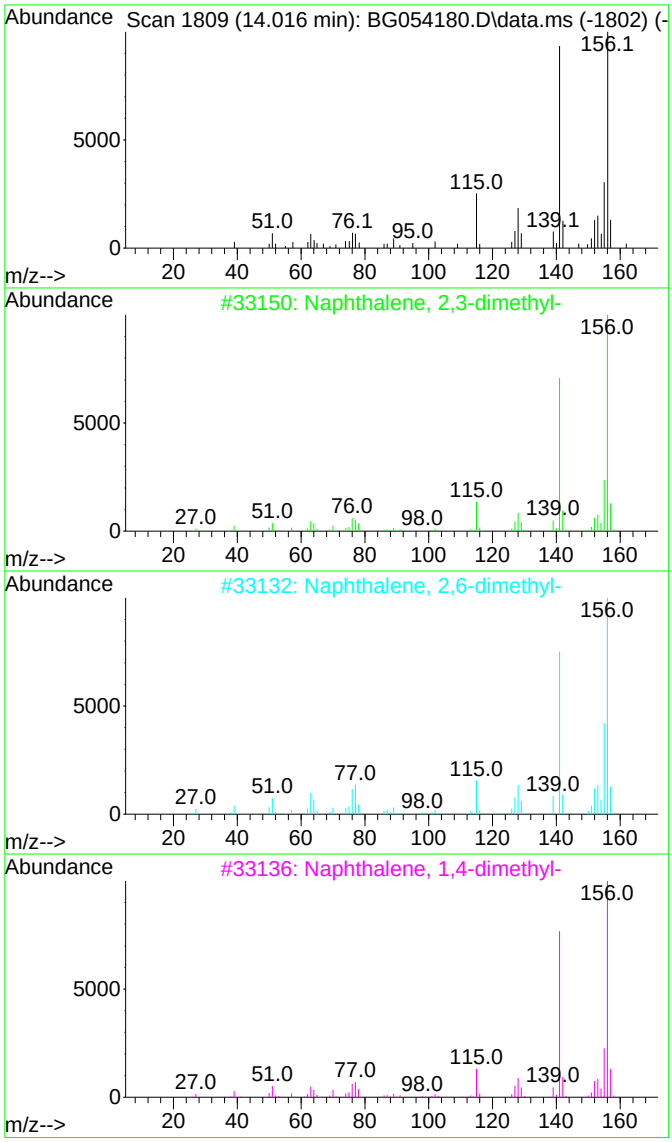
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

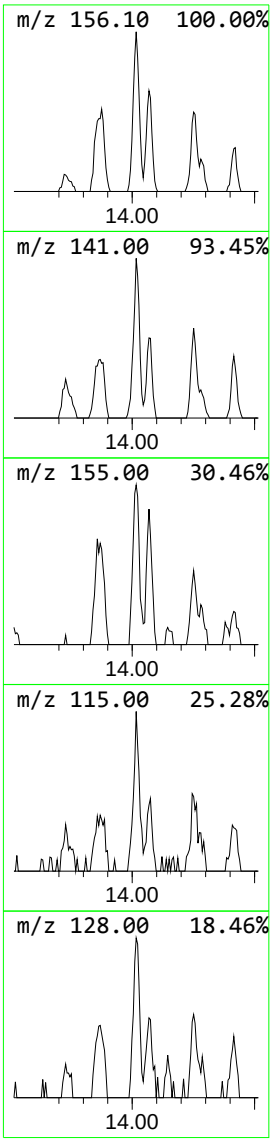
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.016	4.16 ng	66534	Acenaphthene-d10	14.697

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

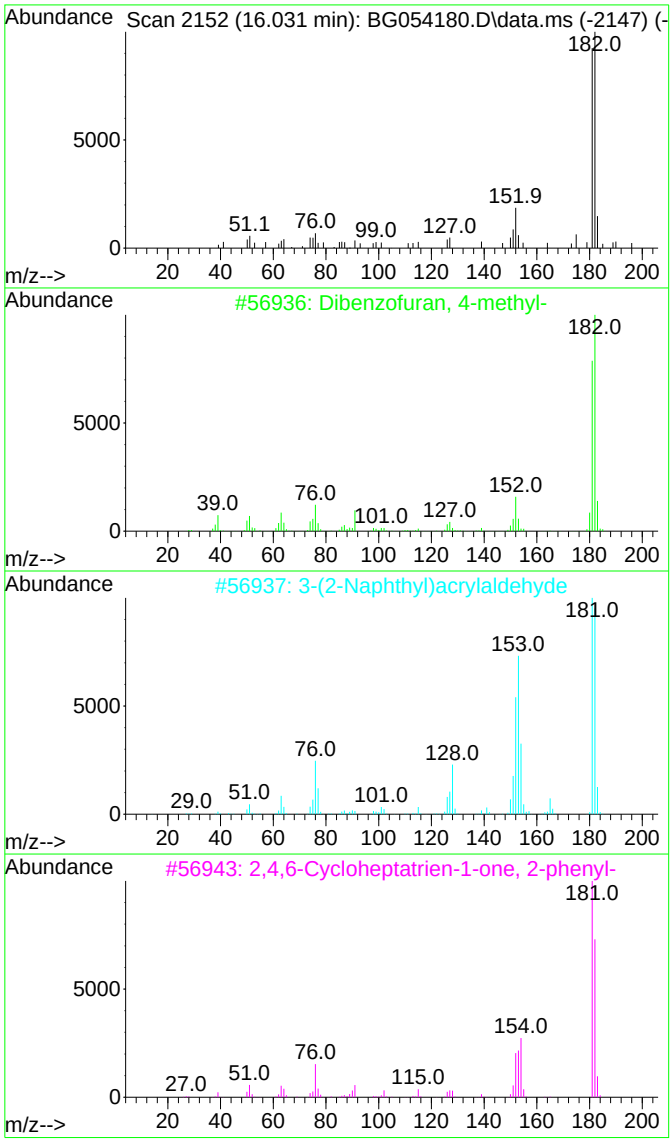
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

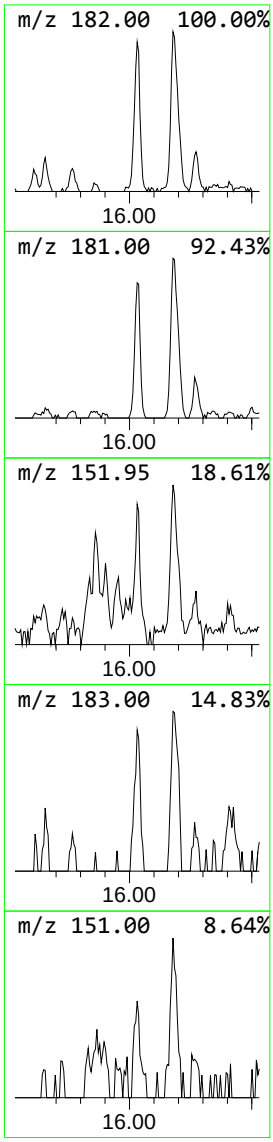
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.031	3.64 ng	58122	Acenaphthene-d10	14.697

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

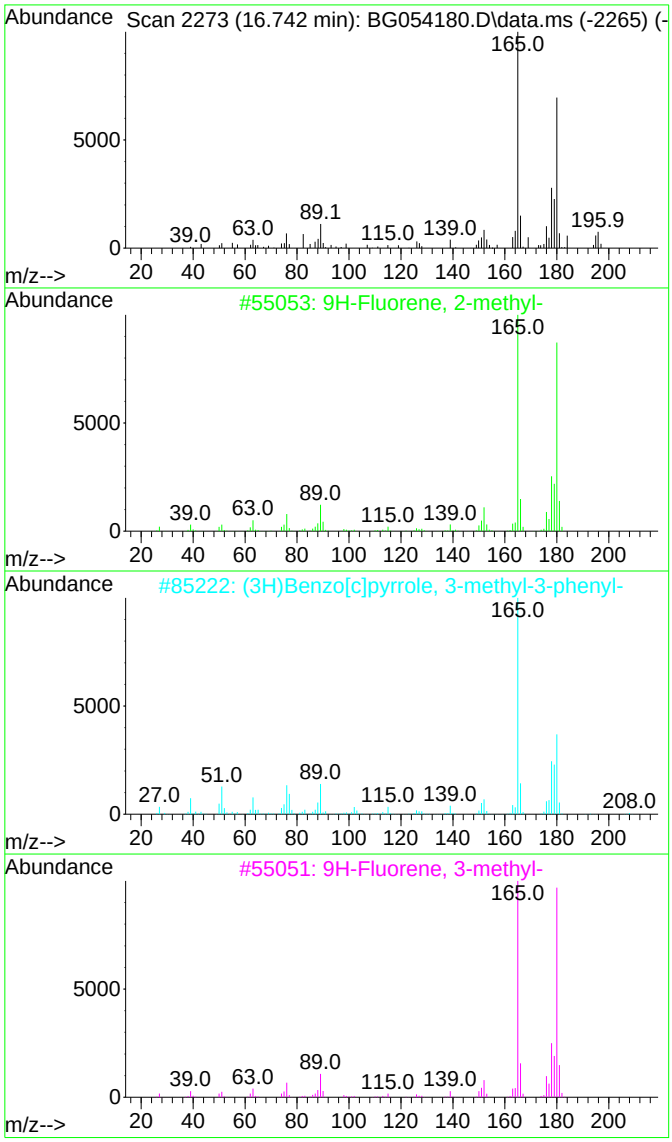
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

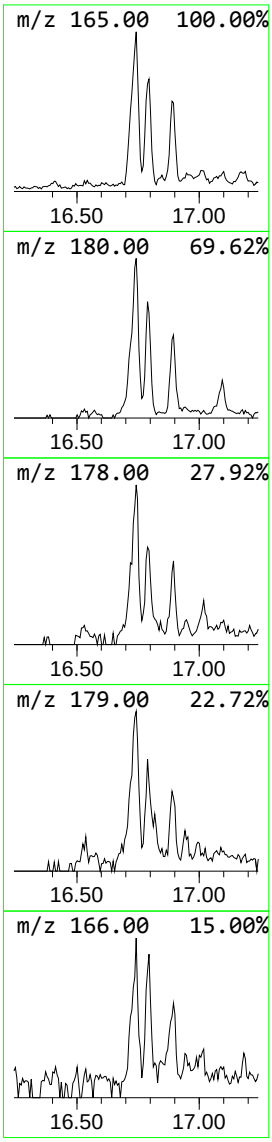
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.742	5.19 ng	90768	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
2	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	72
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

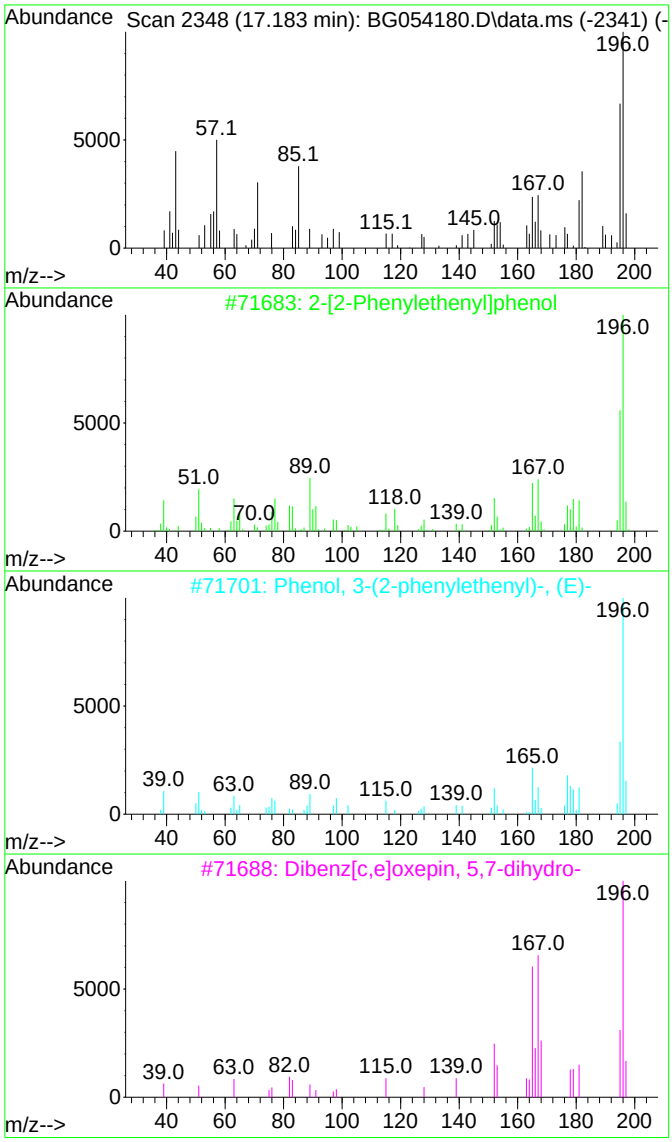
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

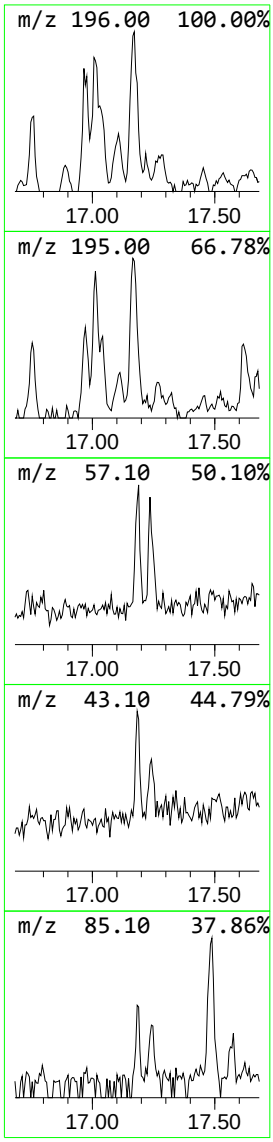
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-[2-Phenylethenyl]phenol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.183	3.05 ng	53301	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	70
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	53
3	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	49
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	47
5	.beta.-Carboline, 1,2-dimethyl-	196	C13H12N2	109847-05-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

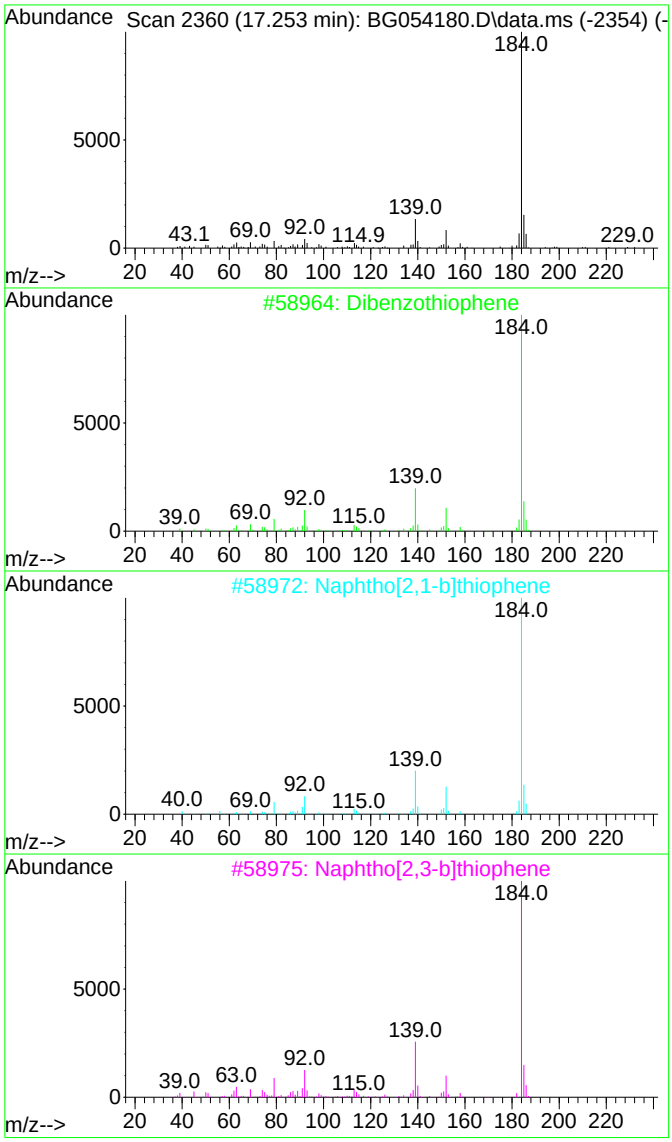
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

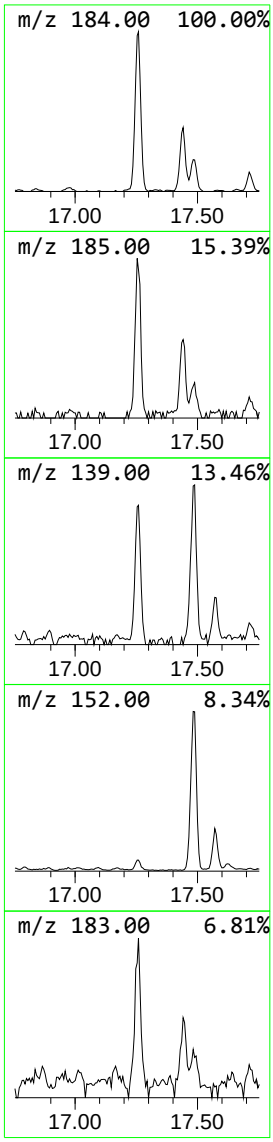
****

Peak Number 5 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.253	8.43 ng	147425	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

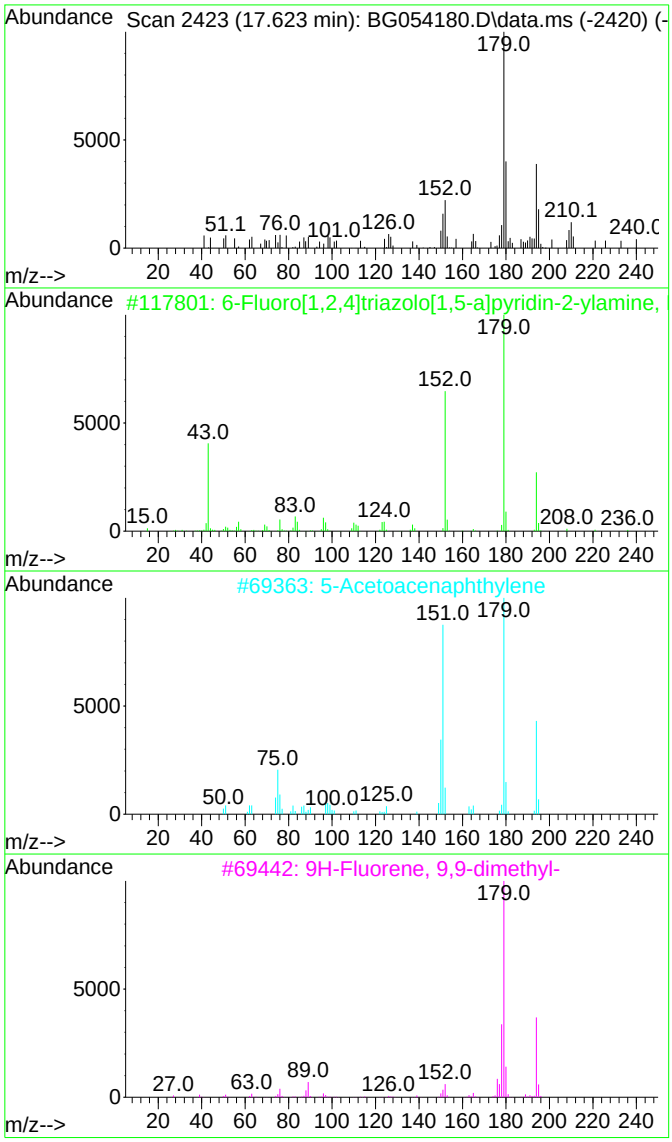
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

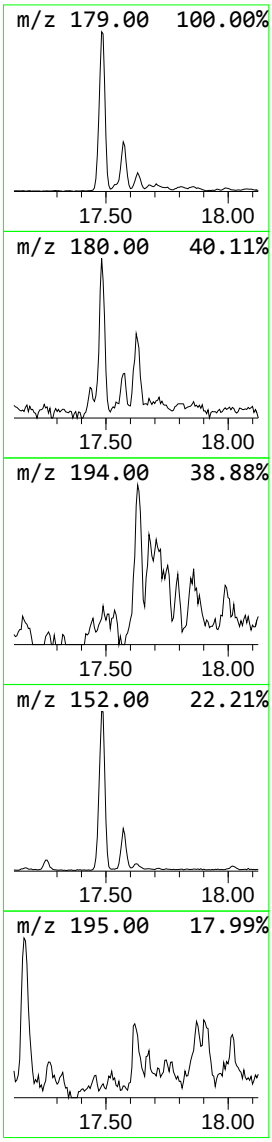
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 6-Fluoro[1,2,4]triazolo[1,5... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.623	3.17 ng	55382	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Fluoro[1,2,4]triazolo[1,5-a]py...	236	C10H9FN4O2	1000500-36-0	53
2	5-Acetoacenaphthylene	194	C14H10O	068399-52-0	50
3	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	47
4	3-Ethylphenol, TMS derivative	194	C11H18OSi	1000333-41-3	47
5	Benzo[h]quinoline	179	C13H9N	000230-27-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

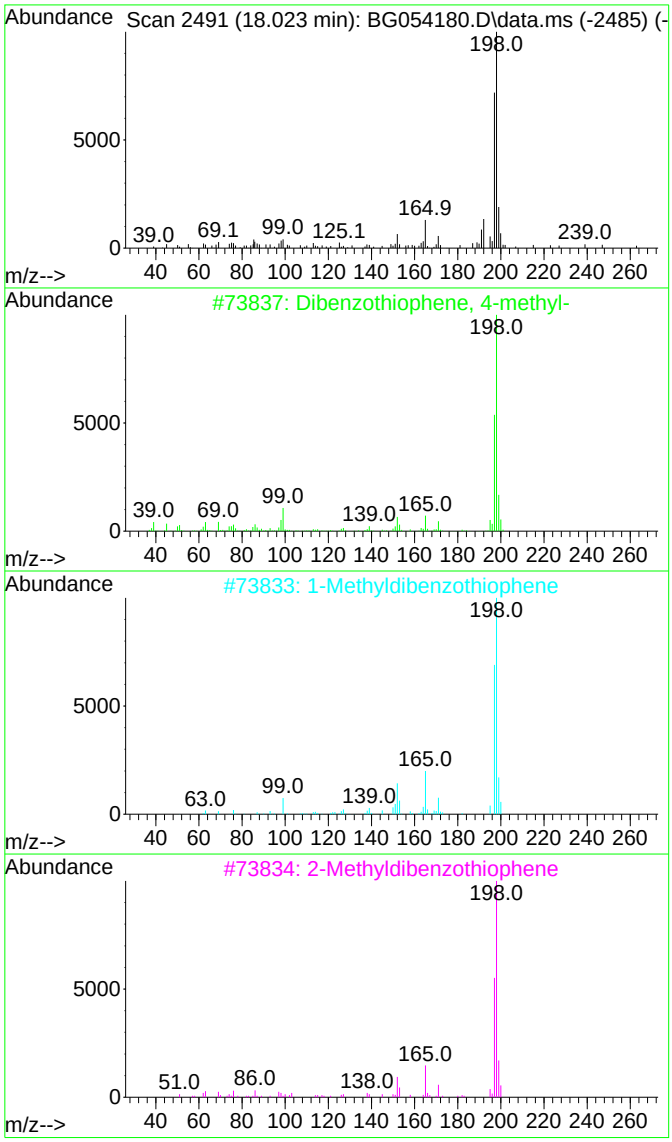
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

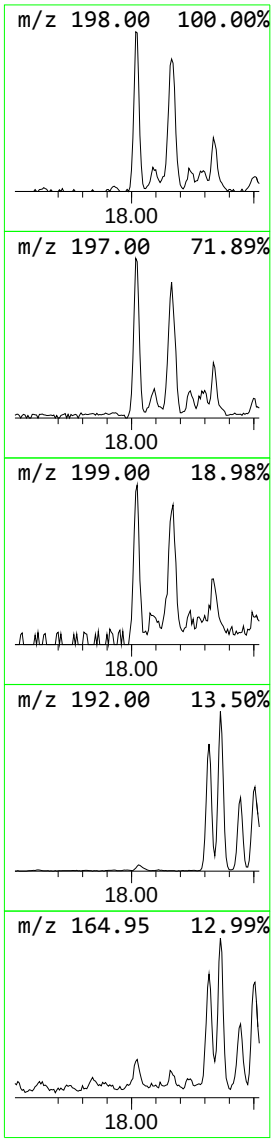
****

Peak Number 7 Dibenzothiophene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.023	4.84 ng	84685	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	86
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

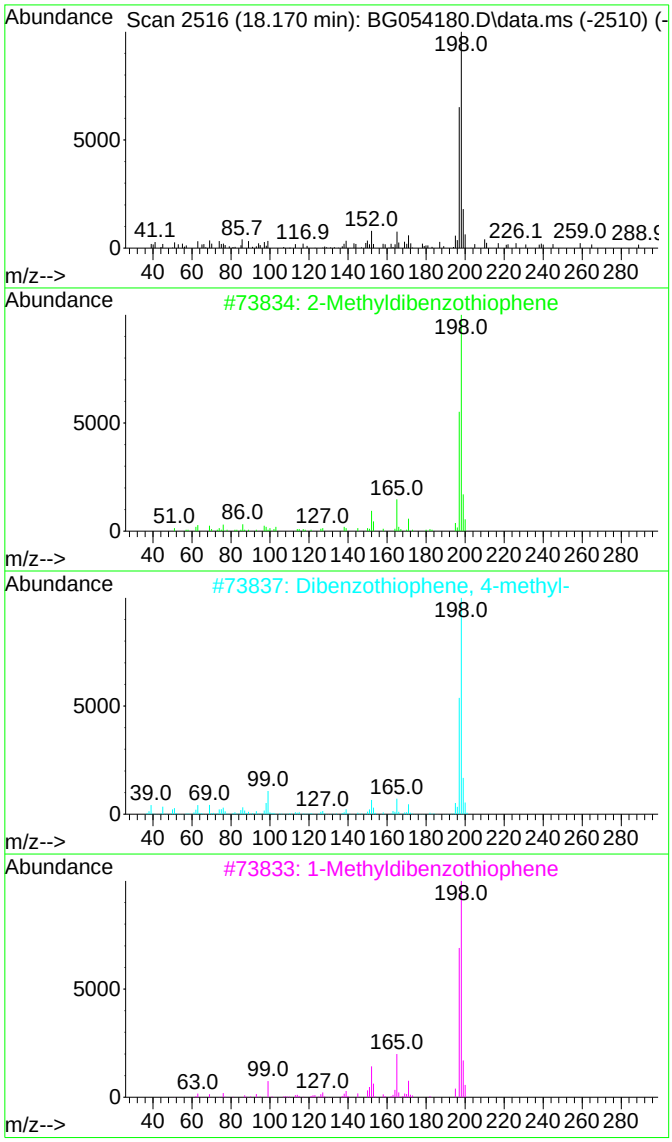
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

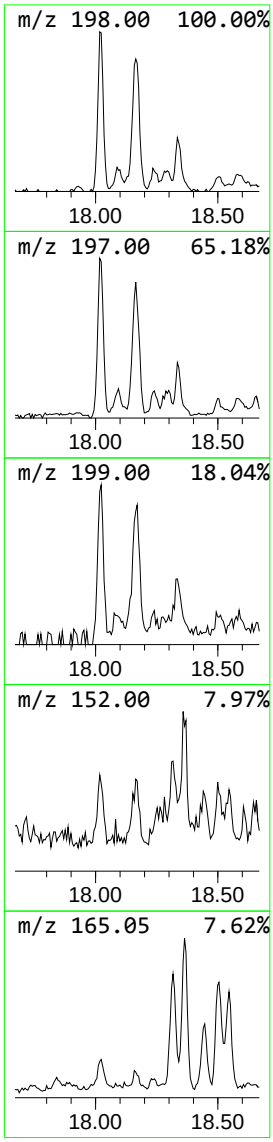
****

Peak Number 8 2-Methyldibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.170	3.87 ng	67631	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

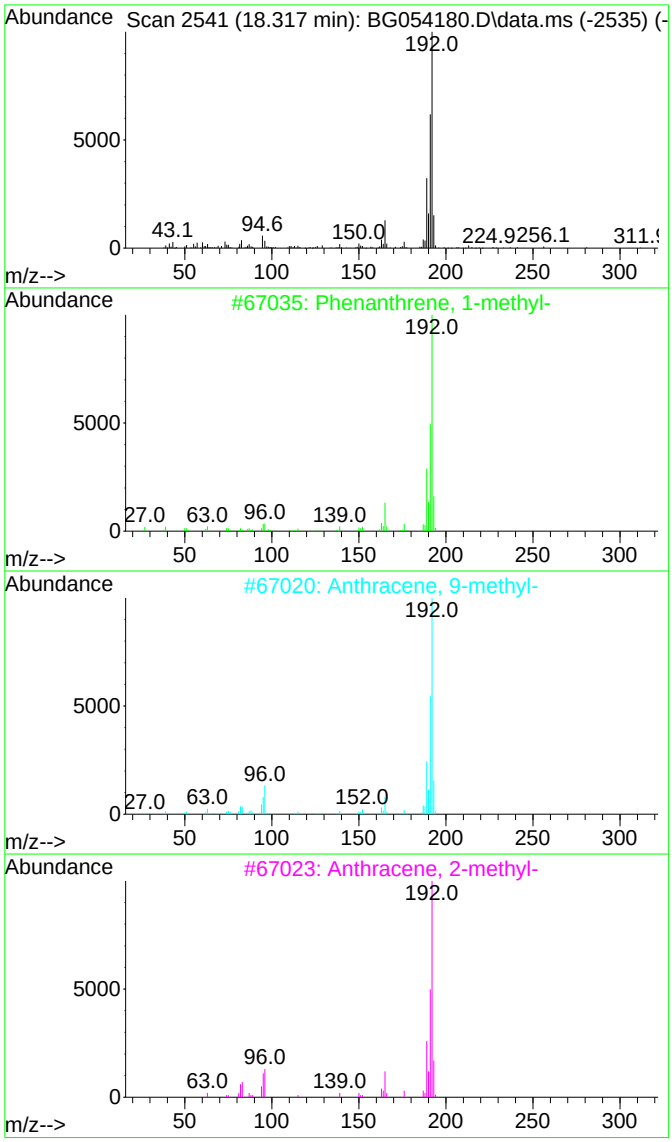
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

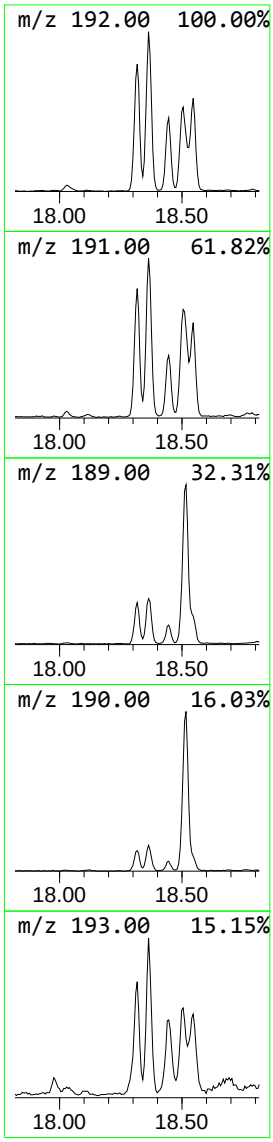
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.317	18.10 ng	316521	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

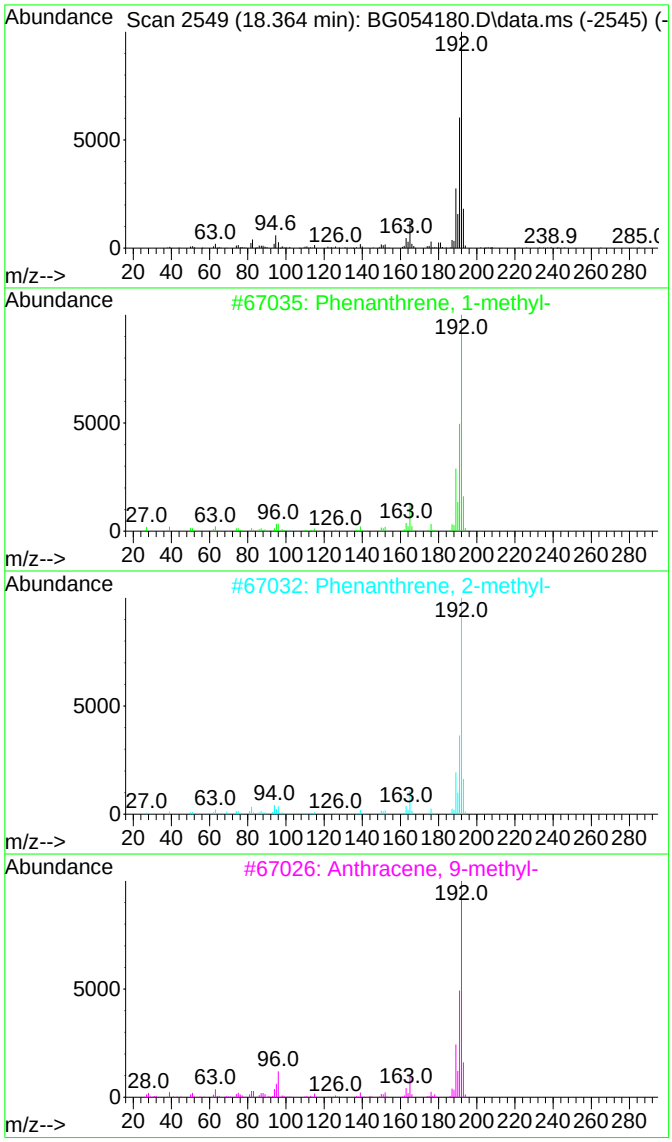
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

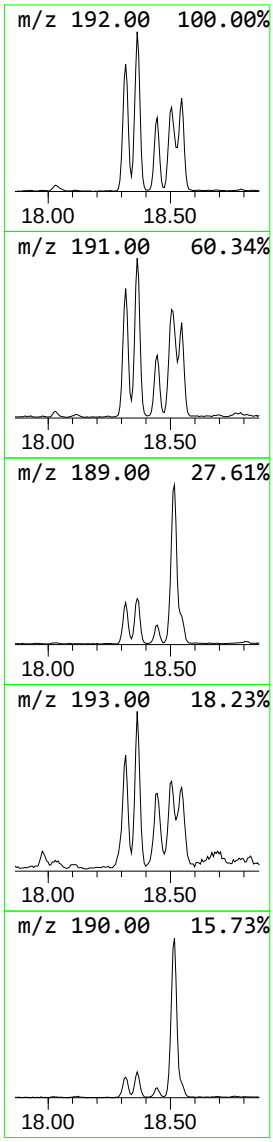
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.364	21.19 ng	370517	Phenanthrene-d10	17.441

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	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

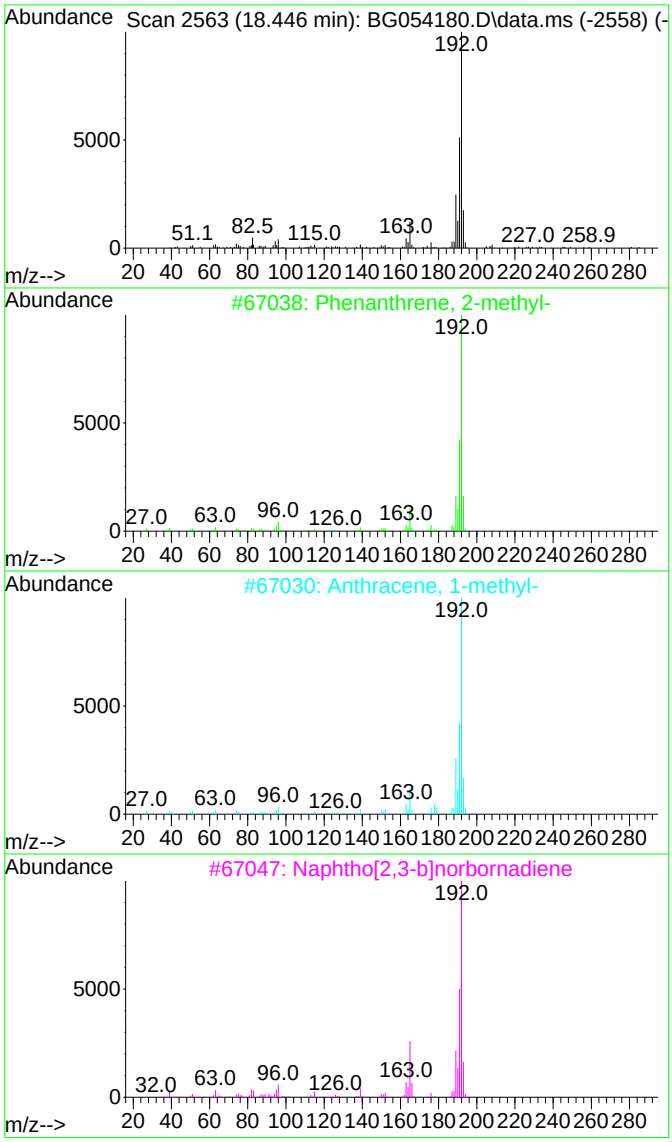
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

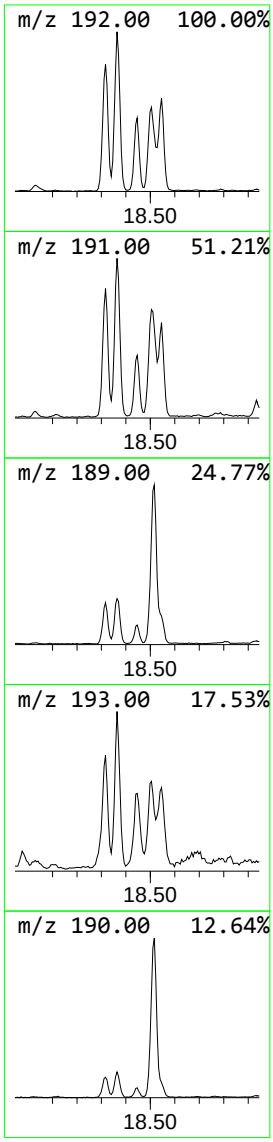
****

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.446	8.23 ng	143976	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

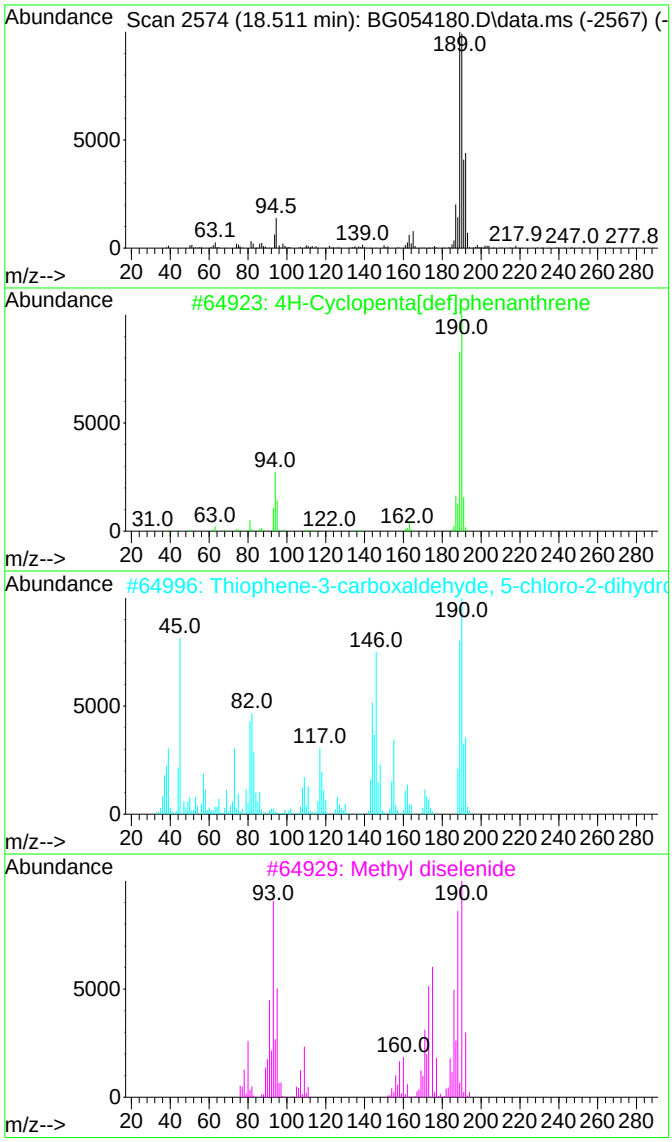
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

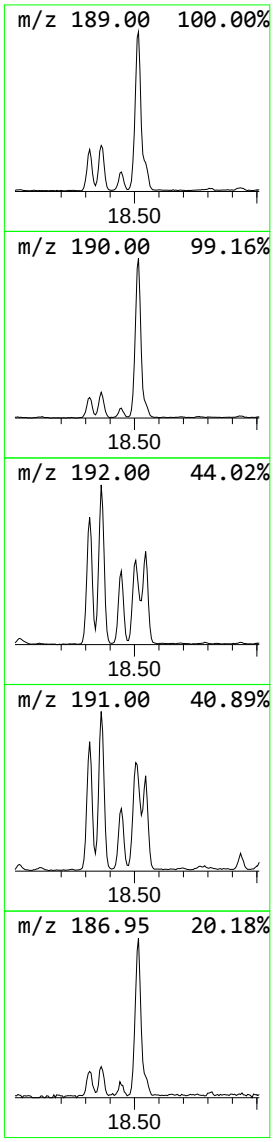
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.511	33.18 ng	580246	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

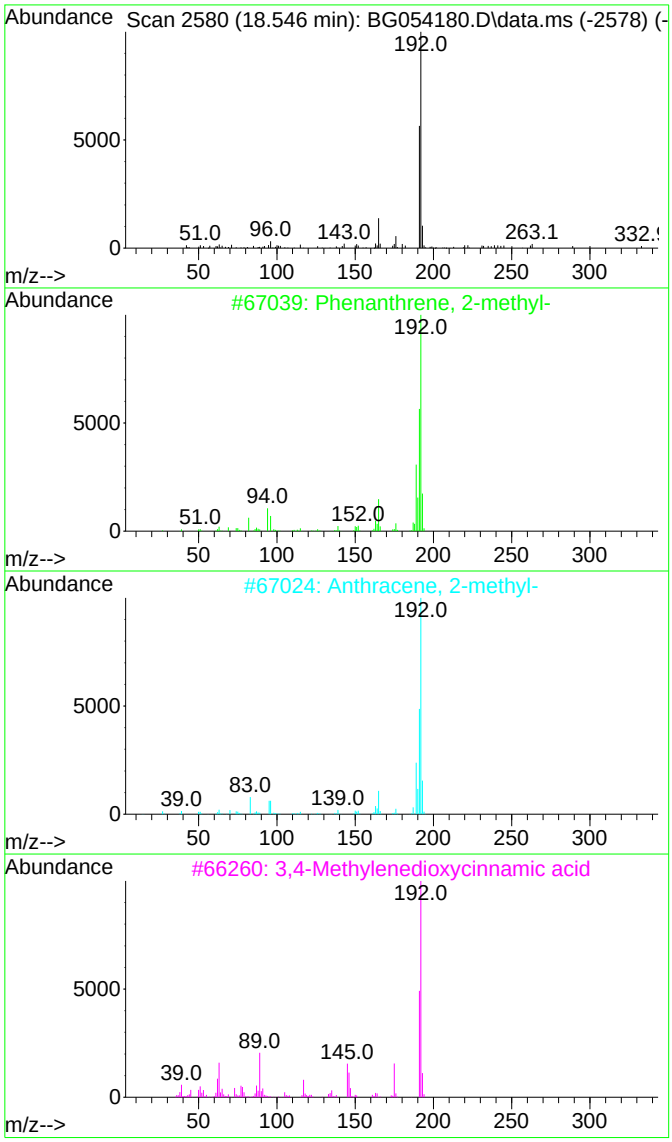
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

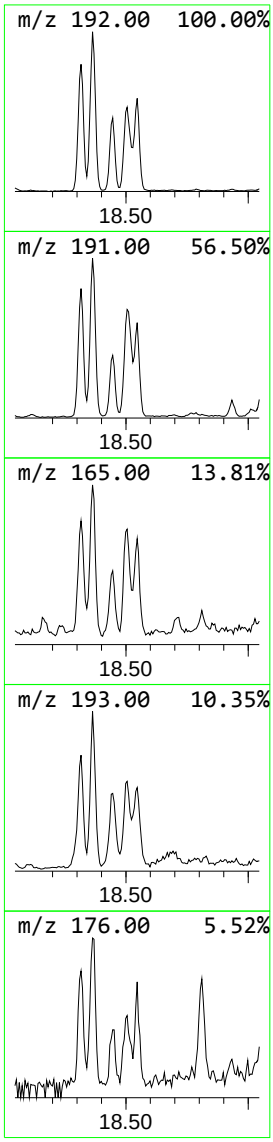
****

Peak Number 13 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.546	9.04 ng	158020	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
3	3,4-Methylenedioxycinnamic acid	192	C10H8O4	002373-80-0	64
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

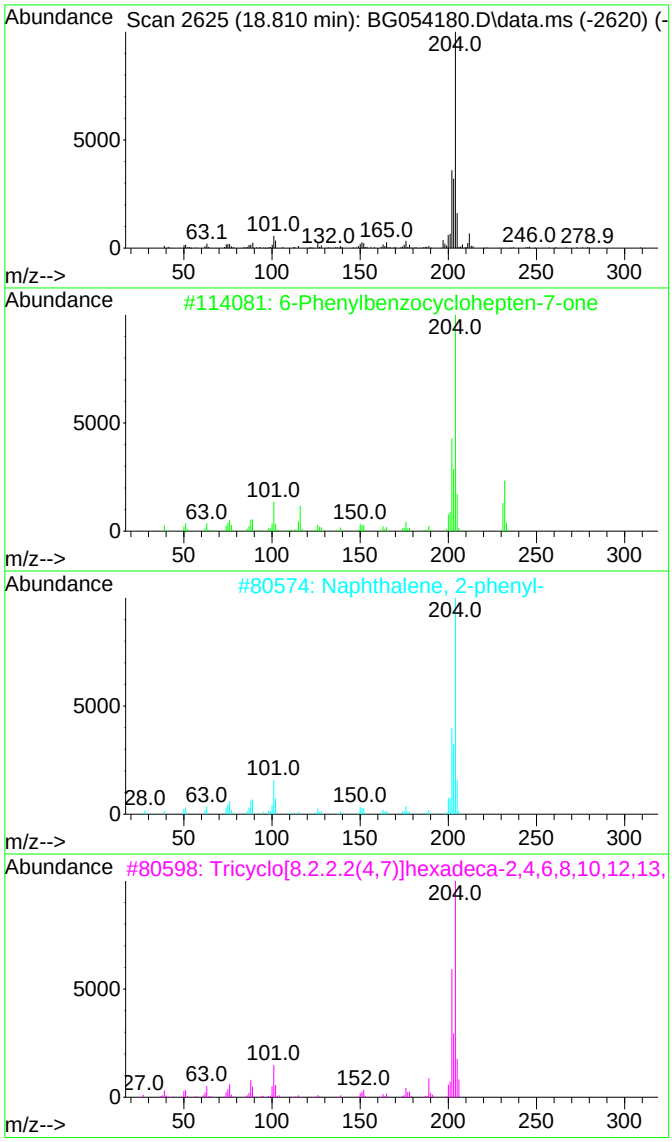
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

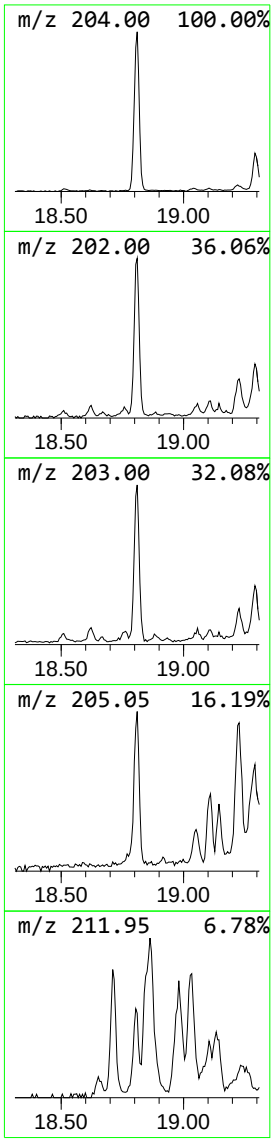
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 6-Phenylbenzocyclohepten-7-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.810	11.35 ng	198502	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	78
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	64
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

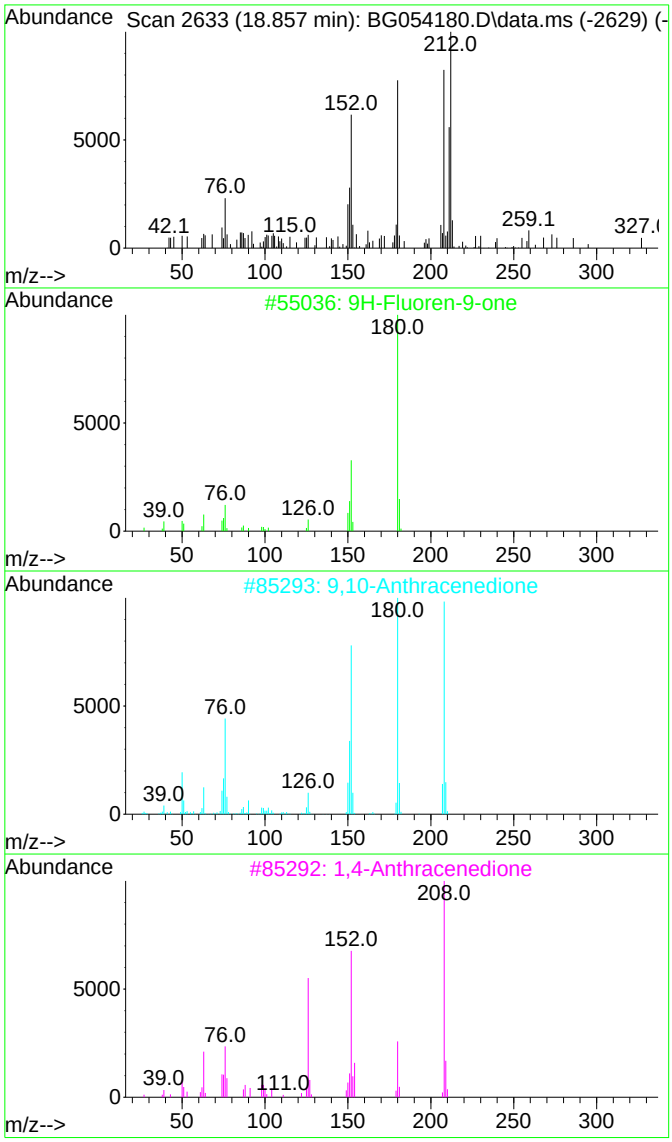
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

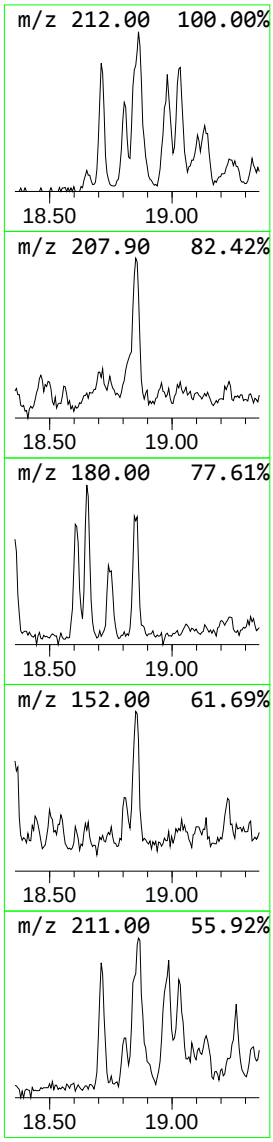
****

Peak Number 15 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.857	3.93 ng	68729	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	49
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	41
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	27
5	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

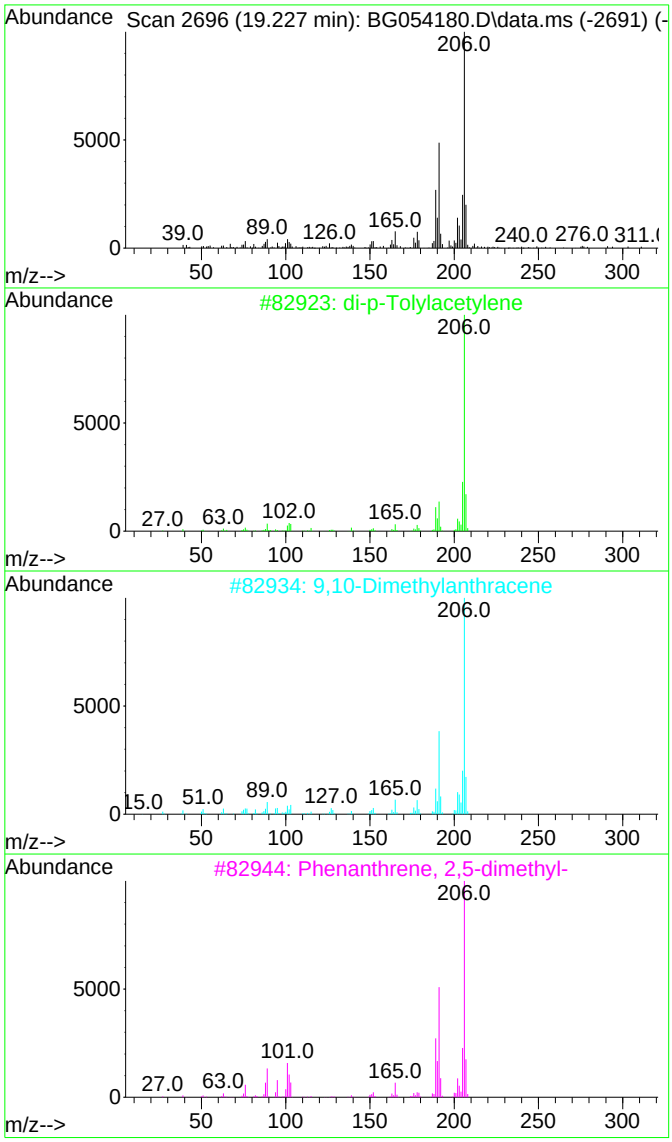
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

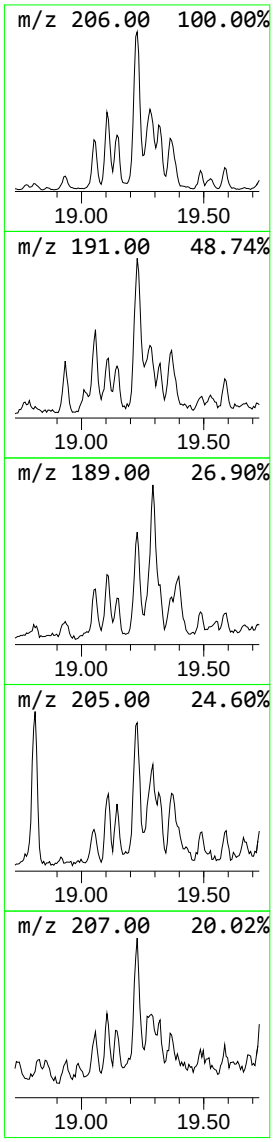
****

Peak Number 16 di-p-Tolylacetylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.227	11.51 ng	201258	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

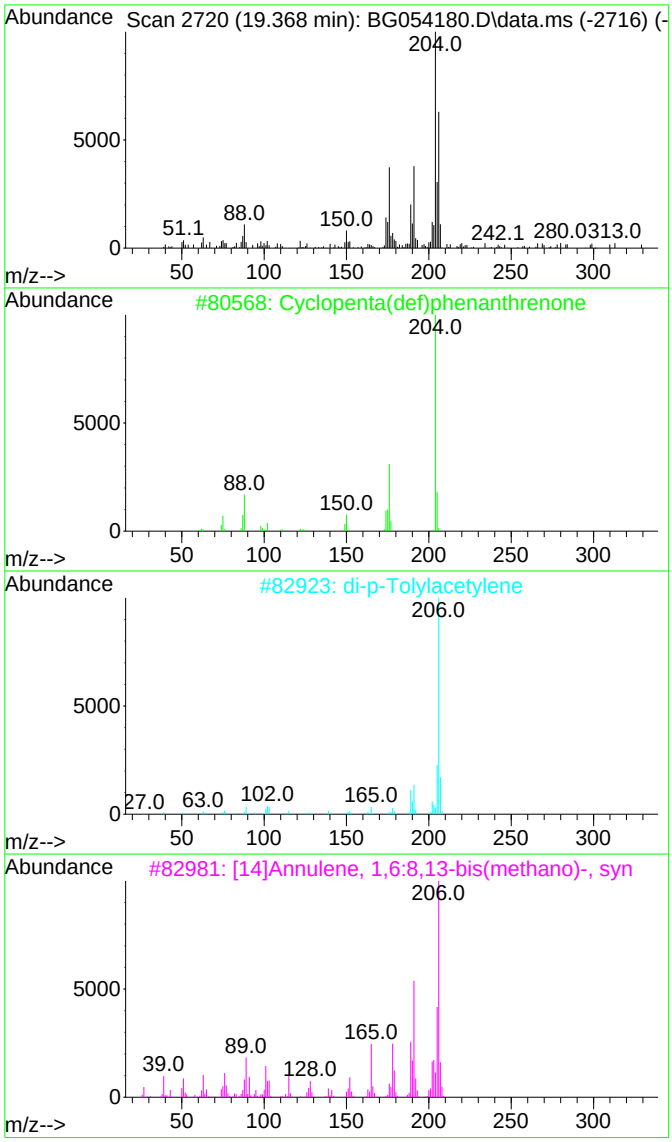
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

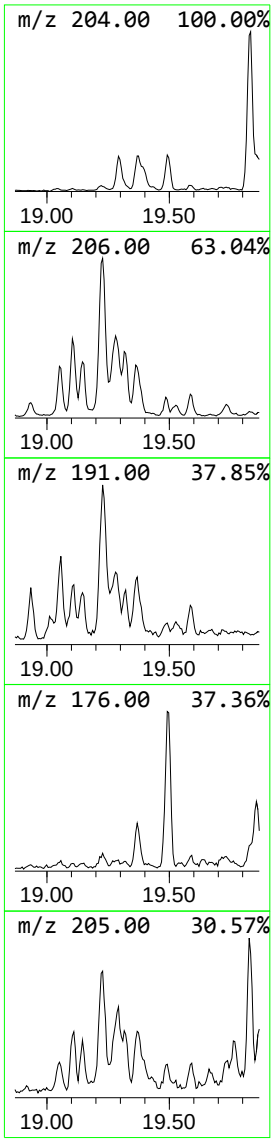
****

Peak Number 17 unknown19.368 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.368	7.77 ng	135919	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	43
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	43
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
5	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

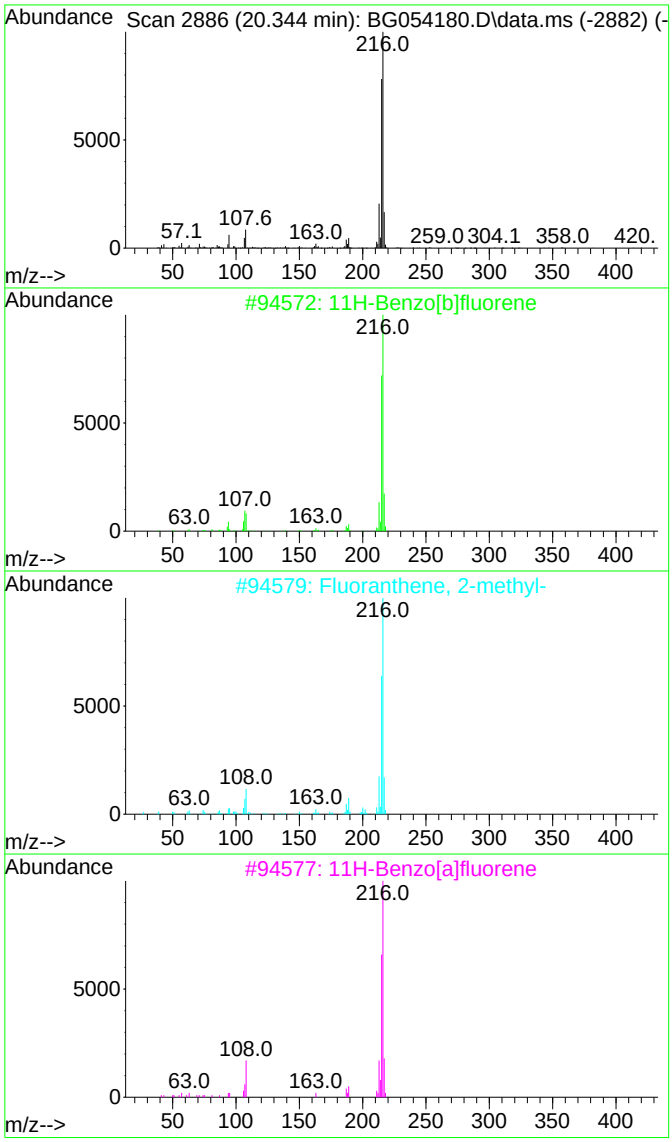
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

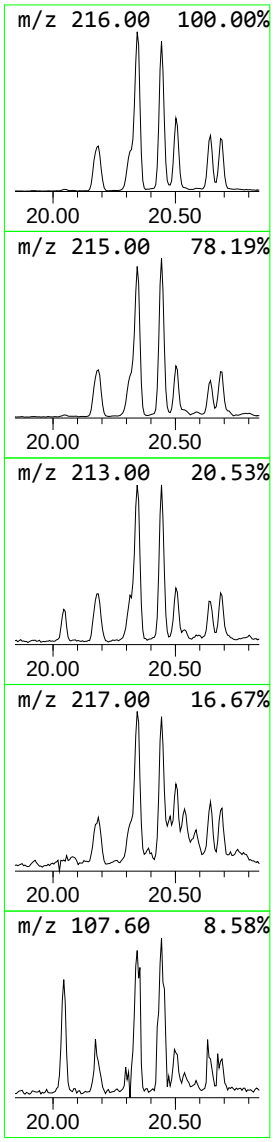
****

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.344	5.50 ng	558596	Chrysene-d12	21.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

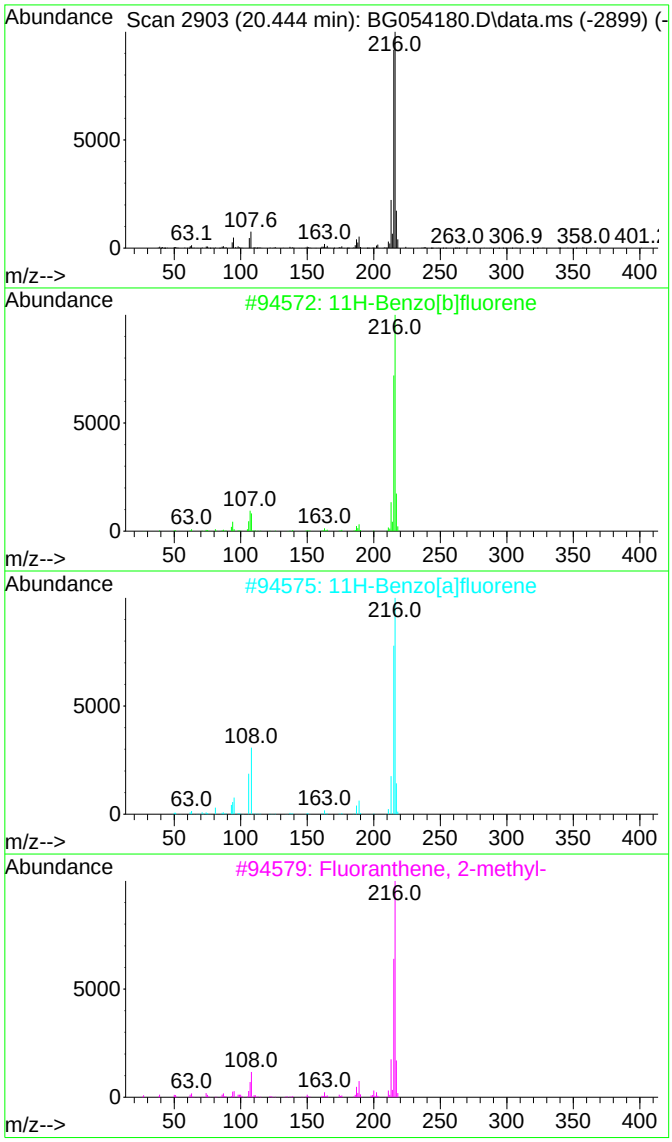
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

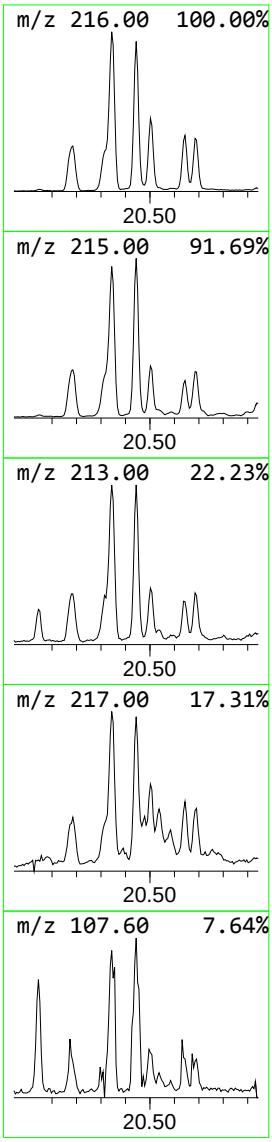
****

Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.444	4.26 ng	433261	Chrysene-d12	21.718

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

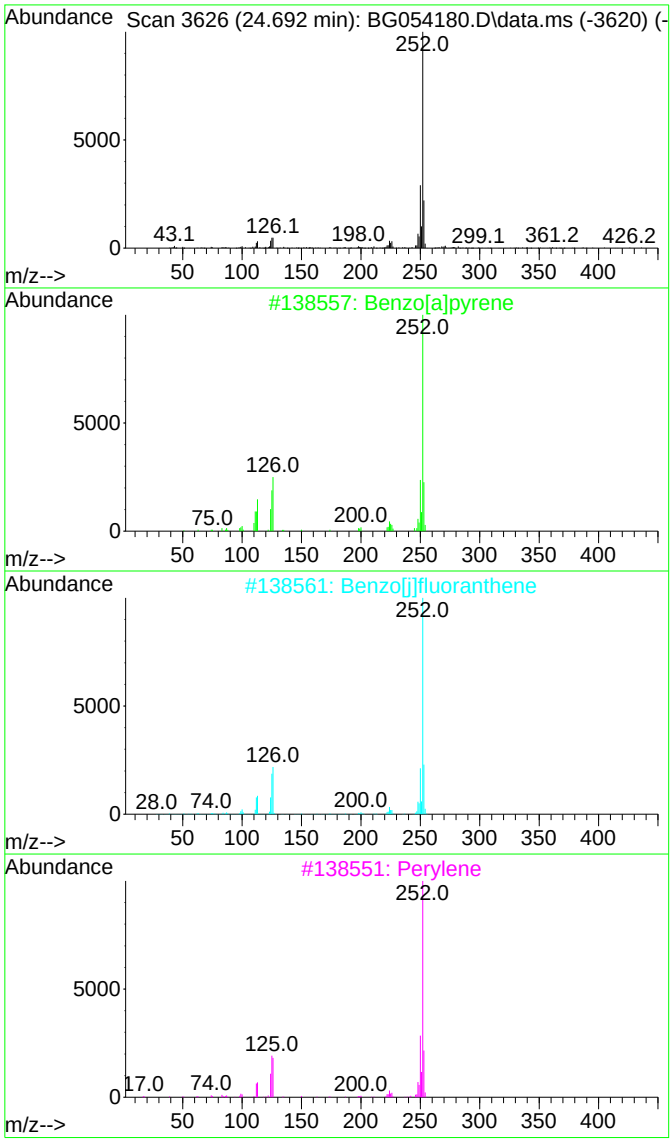
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

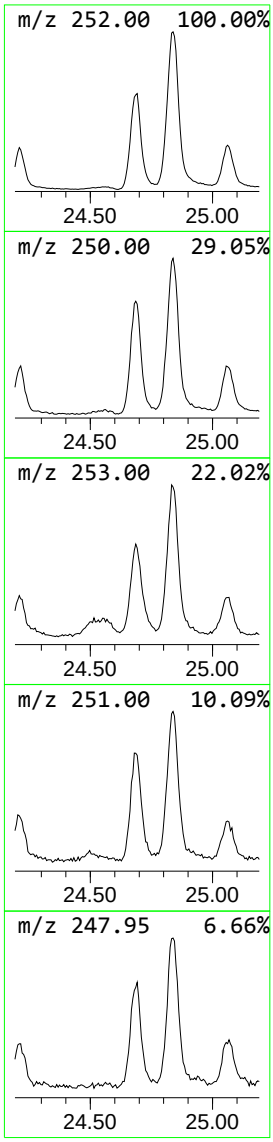
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.692	11.05 ng	661894	Perylene-d12	24.985

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	95
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[e]pyrene	252	C20H12	000192-97-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.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,...	14.016	4.2	ng	66534	3	14.697	319617	20.0
Dibenzofuran, 4...	16.031	3.6	ng	58122	3	14.697	319617	20.0
9H-Fluorene, 2-...	16.742	5.2	ng	90768	4	17.441	349743	20.0
2-[2-Phenylethe...	17.183	3.0	ng	53301	4	17.441	349743	20.0
Dibenzothiophene	17.253	8.4	ng	147425	4	17.441	349743	20.0
6-Fluoro[1,2,4]...	17.623	3.2	ng	55382	4	17.441	349743	20.0
Dibenzothiophen...	18.023	4.8	ng	84685	4	17.441	349743	20.0
2-Methyldibenzo...	18.170	3.9	ng	67631	4	17.441	349743	20.0
Phenanthrene, 1...	18.317	18.1	ng	316521	4	17.441	349743	20.0
Phenanthrene, 2...	18.364	21.2	ng	370517	4	17.441	349743	20.0
Anthracene, 1-m...	18.446	8.2	ng	143976	4	17.441	349743	20.0
4H-Cyclopenta[d...	18.511	33.2	ng	580246	4	17.441	349743	20.0
Anthracene, 2-m...	18.546	9.0	ng	158020	4	17.441	349743	20.0
6-Phenylbenzocy...	18.810	11.4	ng	198502	4	17.441	349743	20.0
9H-Fluoren-9-one	18.857	3.9	ng	68729	4	17.441	349743	20.0
di-p-Tolylacety...	19.227	11.5	ng	201258	4	17.441	349743	20.0
unknown19.368	19.368	7.8	ng	135919	4	17.441	349743	20.0
11H-Benzo[b]flu...	20.344	5.5	ng	558596	5	21.718	2031960	20.0
11H-Benzo[a]flu...	20.444	4.3	ng	433261	5	21.718	2031960	20.0
Benzo[j]fluoran...	24.692	11.1	ng	661894	6	24.985	1197820	20.0