LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

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-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056377.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.344	344	350	362	rVB	93201	159317	1.36%	0.152%
2	5.832	425	433	441	rBV	400250	698280	5.95%	0.665%
3	7.448	700	708	716	rBV	409670	760105	6.47%	0.724%
4	8.306	848	854	864	rVB	156216	267528	2.28%	0.255%
5	9.481	1048	1054	1067	rVB	258172	498351	4.24%	0.475%
6	11.143	1329	1337	1340	rBV	184300	342165	2.91%	0.326%
7	11.190	1340	1345	1352	rVB	311989	546222	4.65%	0.520%
8	12.771	1608	1614	1621	rVB	361535	581790	4.95%	0.554%
9	12.988	1641	1651	1660	rBV	377106	685505	5.84%	0.653%
10	13.546	1740	1746	1756	rVB	909815	1414584	12.05%	1.347%
11	13.758	1778	1782	1793	rVB	118034	189689	1.62%	0.181%
12	14.099	1828	1840	1847	rBV3	239760	647944	5.52%	0.617%
13	14.246	1858	1865	1869	rBV	371897	643815	5.48%	0.613%
14	14.299	1869	1874	1879	rVB	238648	355655	3.03%	0.339%
15	14.481	1899	1905	1909	rBV	190843	312998	2.67%	0.298%
16	14.645	1928	1933	1941	rBV2	131852	222225	1.89%	0.212%
17	14.880	1968	1973	1976	rBV	116955	196972	1.68%	0.188%
18	14.921	1976	1980	1985	rVV2	345917	520338	4.43%	0.496%
19	14.986	1985	1991	1997	rVV	733270	1155455	9.84%	1.100%
20	15.045	1997	2001	2008	rVB2	78739	147918	1.26%	0.141%
21	15.121	2008	2014	2022	rBV3	98482	248895	2.12%	0.237%
22	15.315	2040	2047	2053	rVB2	717494	1237766	10.54%	1.179%
23	15.380	2053	2058	2066	rBV	182738	274459	2.34%	0.261%
24	15.527	2077	2083	2087	rBV	158230	289712	2.47%	0.276%
25	15.579	2087	2092	2097	rVB	141601	213991	1.82%	0.204%
26	15.697	2104	2112	2114	rBV2	100450	220967	1.88%	0.210%
27	15.726	2114	2117	2123	rVB2	142515	205185	1.75%	0.195%
28	15.867	2137	2141	2146	rVB3	87172	127531	1.09%	0.121%
29	15.967	2150	2158	2166	rVV	1413225	2331026	19.85%	2.220%
30	16.055	2168	2173	2175	rVV2	79229	133895	1.14%	0.128%
31	16.085	2175	2178	2181	rVV	133708	219559	1.87%	0.209%
32	16.120	2181	2184	2188	rVV4	202573	313841	2.67%	0.299%
33	16.167	2188	2192	2196	rVV3	79207	143038	1.22%	0.136%
34	16.214	2196	2200	2202	rVV2	97457	161450	1.37%	0.154%
35	16.249	2202	2206	2213	rVB2	312235	534550	4.55%	0.509%
36	16.402	2226	2232	2239	rVB2	854337	1469757	12.52%	1.400%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EO-02-11923

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-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.596	2258	2265	2268	rBV2	154661	368940	3.14%	0.351%
38	16.760	2287	2293	2297	rBV2	72019	122587	1.04%	0.117%
39	16.960	2318	2327	2331	rBV2	296824	580016	4.94%	0.552%
40	17.007	2331	2335	2341	rVB2	166714	236451	2.01%	0.225%
41	17.107	2349	2352	2357	rVB	141905	205994	1.75%	0.196%
42	17.183	2357	2365	2369	rBV4	124578	326502	2.78%	0.311%
43	17.225	2369	2372	2380	rVB2	114950	207330	1.77%	0.197%
44	17.313	2382	2387	2393	rVB	213547	323012	2.75%	0.308%
45	17.371	2393	2397	2404	rBV3	160422	340055	2.90%	0.324%
46	17.483	2410	2416	2423	rVB	573751	872609	7.43%	0.831%
47	17.665	2441	2447	2449	rBV	364389	584929	4.98%	0.557%
48	17.718	2449	2456	2461	rVV	6112222	10781080	91.81%	10.268%
49	17.800	2461	2470	2475	rVV	1681650	2670811	22.74%	2.544%
50	17.847	2475	2478	2483	rVB	152398	236531	2.01%	0.225%
51	17.941	2488	2494	2498	rBV3	65274	141680	1.21%	0.135%
52	18.059	2508	2514	2519	rBV	709496	1115220	9.50%	1.062%
53	18.106	2520	2522	2529	rVB4	118371	134499	1.15%	0.128%
54	18.170	2529	2533	2537	rBV	166726	230965	1.97%	0.220%
55	18.241	2541	2545	2549	rVB	241857	331585	2.82%	0.316%
56	18.382	2564	2569	2577	rVB	192832	402298	3.43%	0.383%
57	18.535	2587	2595	2599	rBV	1072343	1792642	15.27%	1.707%
58	18.582	2599	2603	2608	rVB	1484895	2135471	18.19%	2.034%
59	18.658	2611	2616	2621	rBV	420279	633987	5.40%	0.604%
60	18.735	2621	2629	2632	rBV3	1561956	3215635	27.38%	3.063%
61	18.864	2648	2651	2655	rBV2	104168	134816	1.15%	0.128%
62	19.017	2672	2677	2681	rBV	731365	1049436	8.94%	0.999%
63	19.069	2681	2686	2694	rVB2	392704	664682	5.66%	0.633%
64	19.257	2711	2718	2722	rBV2	259994	476217	4.06%	0.454%
65	19.310	2723	2727	2730	rBV	297841	377677	3.22%	0.360%
66	19.346	2730	2733	2738	rVB	242285	332299	2.83%	0.316%
67	19.434	2740	2748	2752	rBV	753977	1689200	14.39%	1.609%
68	19.581	2767	2773	2778	rBV4	282725	714284	6.08%	0.680%
69	19.710	2787	2795	2800	rBV	6637758	11742600	100.00%	11.184%
70	19.751	2800	2802	2805	rVV	193817	233105	1.99%	0.222%
71	19.786	2805	2808	2813	rVB2	244661	355475	3.03%	0.339%
72	19.939	2831	2834	2844	rVB	351758	796448	6.78%	0.759%
73	20.033	2844	2850	2851	rBV	1275943	1834828	15.63%	1.748%
74	20.074	2851	2857	2861	rVV	6010527	10222692	87.06%	9.736%
75	20.121	2861	2865	2870	rVB	503422	710750	6.05%	0.677%
76	20.233	2879	2884	2889	rVB2	1729964	2308176	19.66%	2.198%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

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-BG122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.374	2902	2908	2914	rBV2	579089	1369804	11.67%	1.305%
78	20.544	2925	2937	2944	rVB	1354346	2866031	24.41%	2.730%
79	20.638	2949	2953	2957	rBV	1082324	1522246	12.96%	1.450%
80	20.703	2961	2964	2967	rVB	632945	785160	6.69%	0.748%
81	20.844	2984	2988	2992	rBV	475794	722577	6.15%	0.688%
82	20.891	2992	2996	3006	rVB	548984	981955	8.36%	0.935%
83	21.326	3066	3070	3076	rVB	408642	721496	6.14%	0.687%
84	21.525	3099	3104	3107	rBV	408821	740189	6.30%	0.705%
85	21.619	3116	3120	3125	rBV2	505489	820966	6.99%	0.782%
86	21.948	3170	3176	3182	rBV2	2859919	6147782	52.35%	5.855%
87	22.025	3184	3189	3199	rVB	2480356	4742751	40.39%	4.517%
88	22.178	3211	3215	3221	rBV	385040	603832	5.14%	0.575%
89	24.334	3574	3582	3588	rBV	828476	2865776	24.40%	2.729%

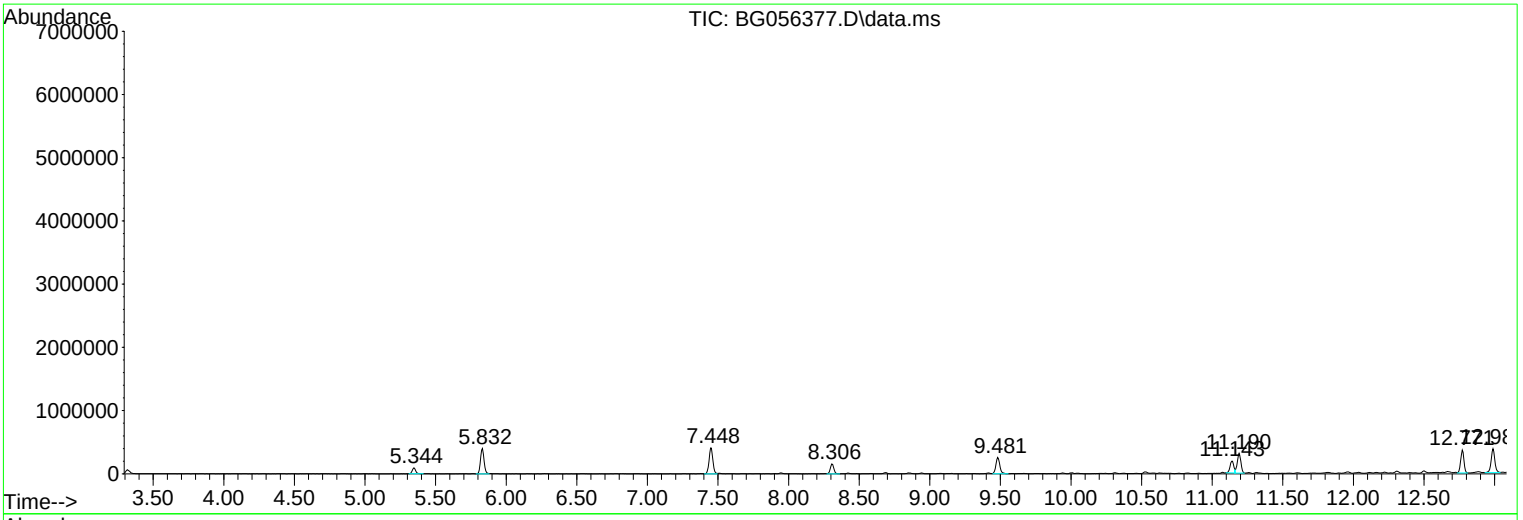
Sum of corrected areas: 104996557

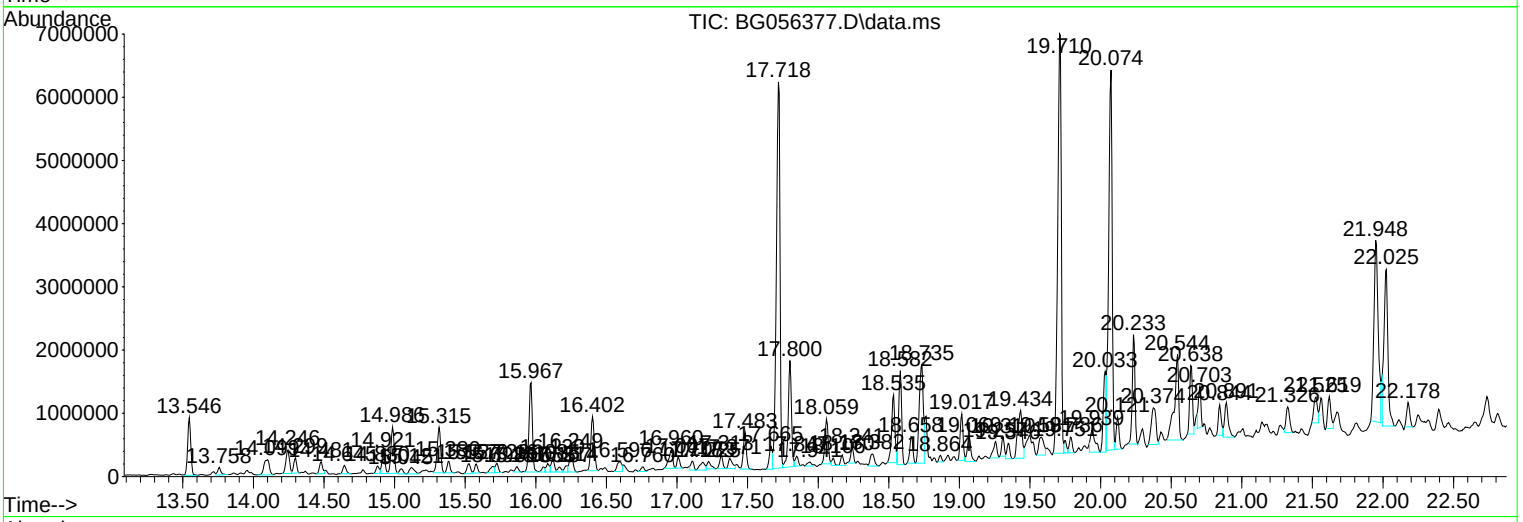
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

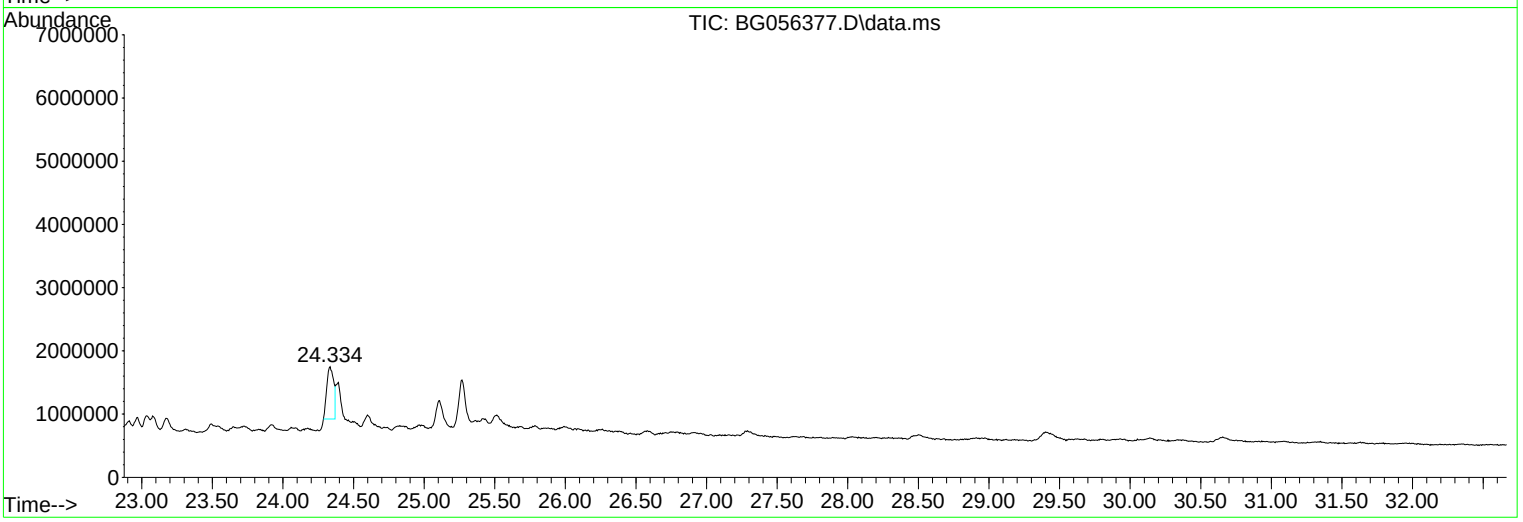
Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.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\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

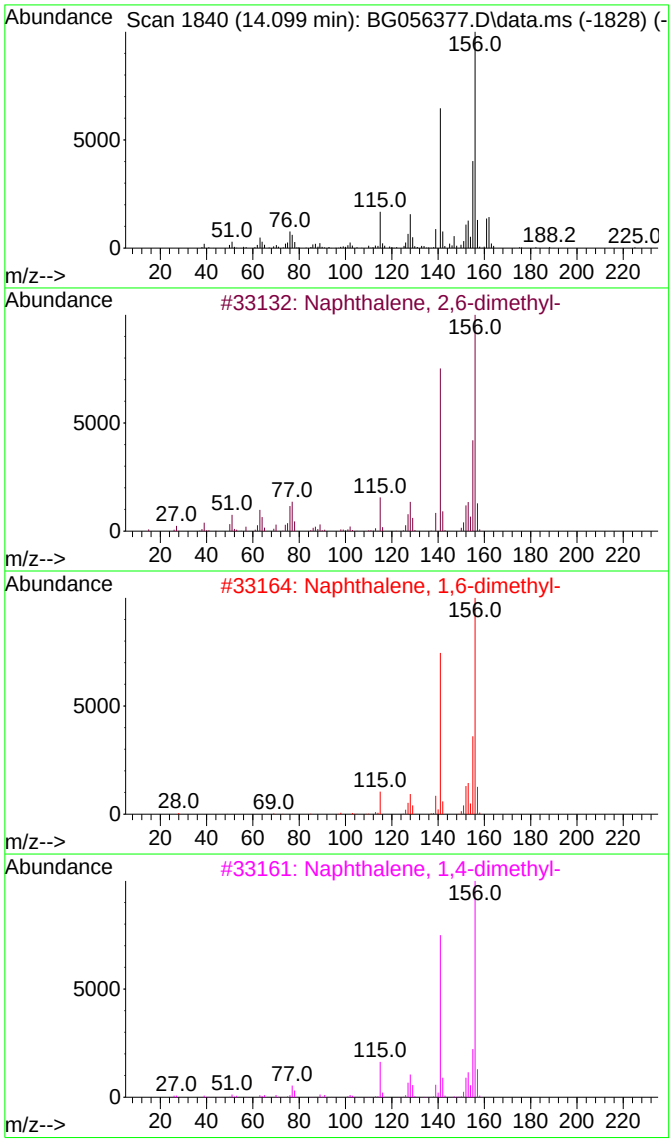
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

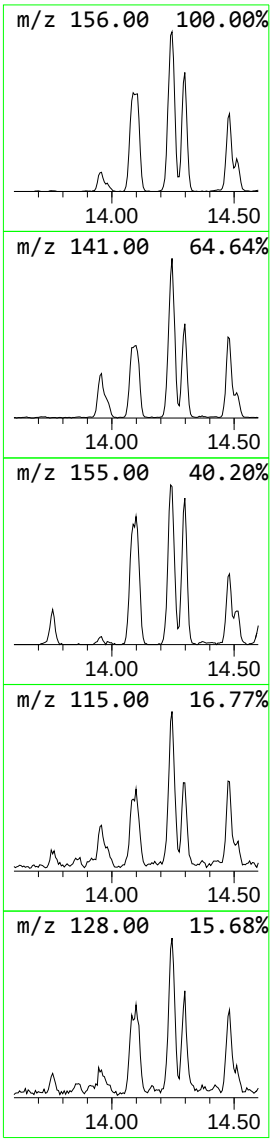
****

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.099	24.90 ng	647944	Acenaphthene-d10	14.921

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

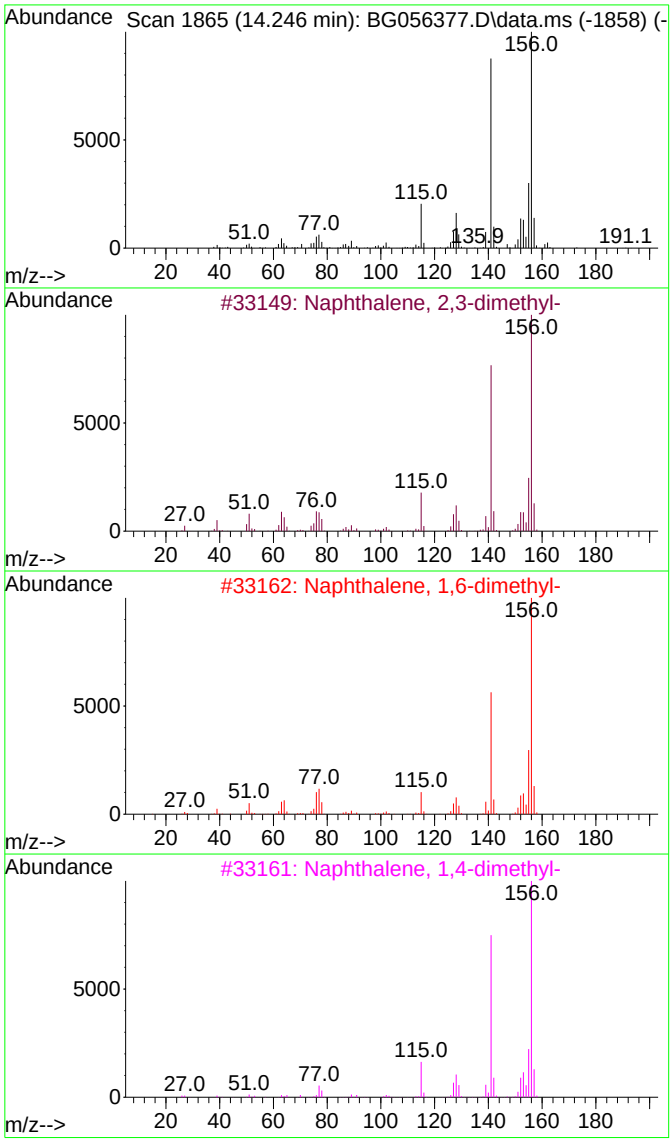
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

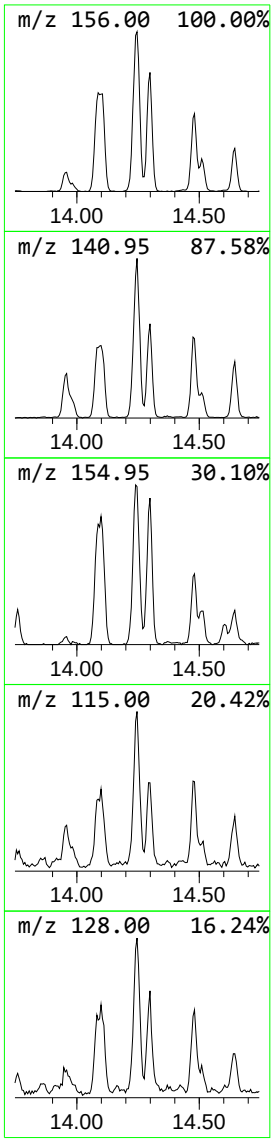
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.246	24.75 ng	643815	Acenaphthene-d10	14.921

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

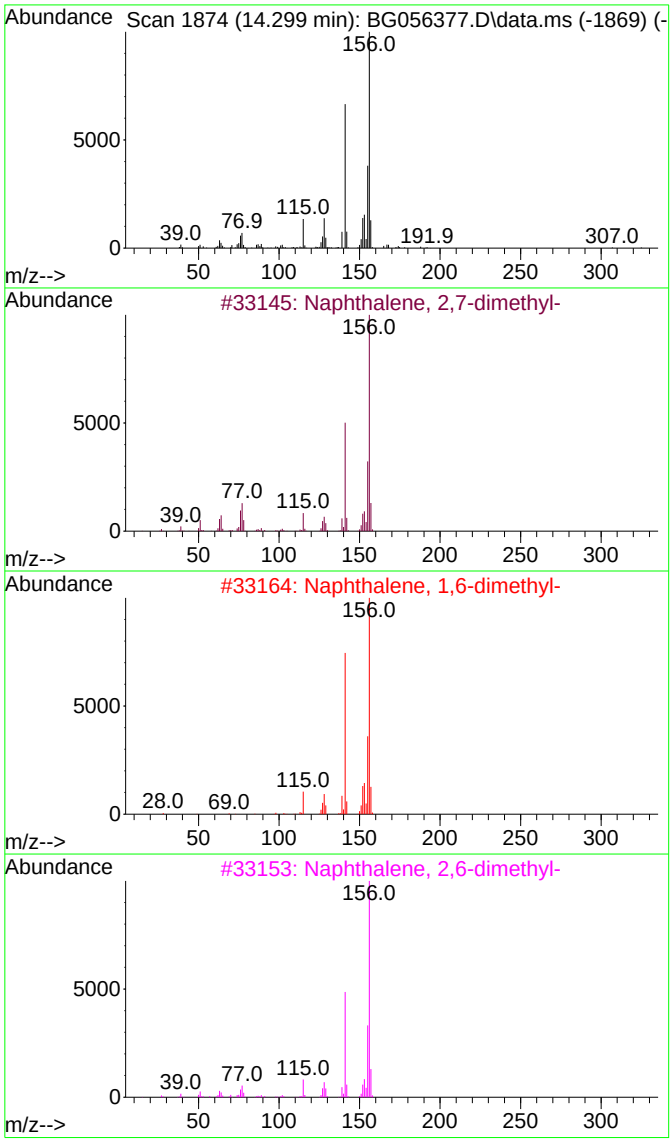
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

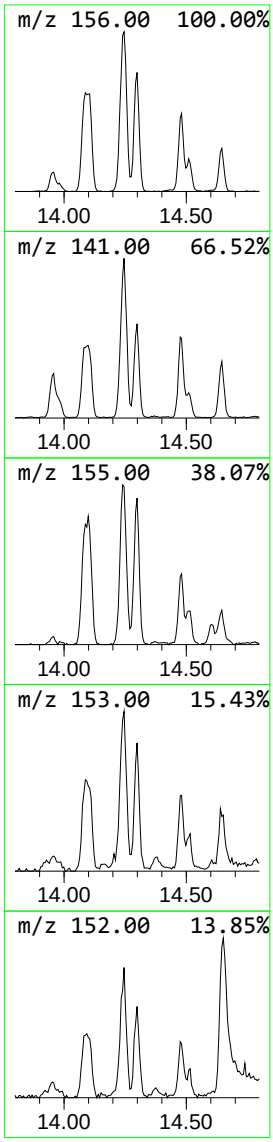
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.299	13.67 ng	355655	Acenaphthene-d10	14.921

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

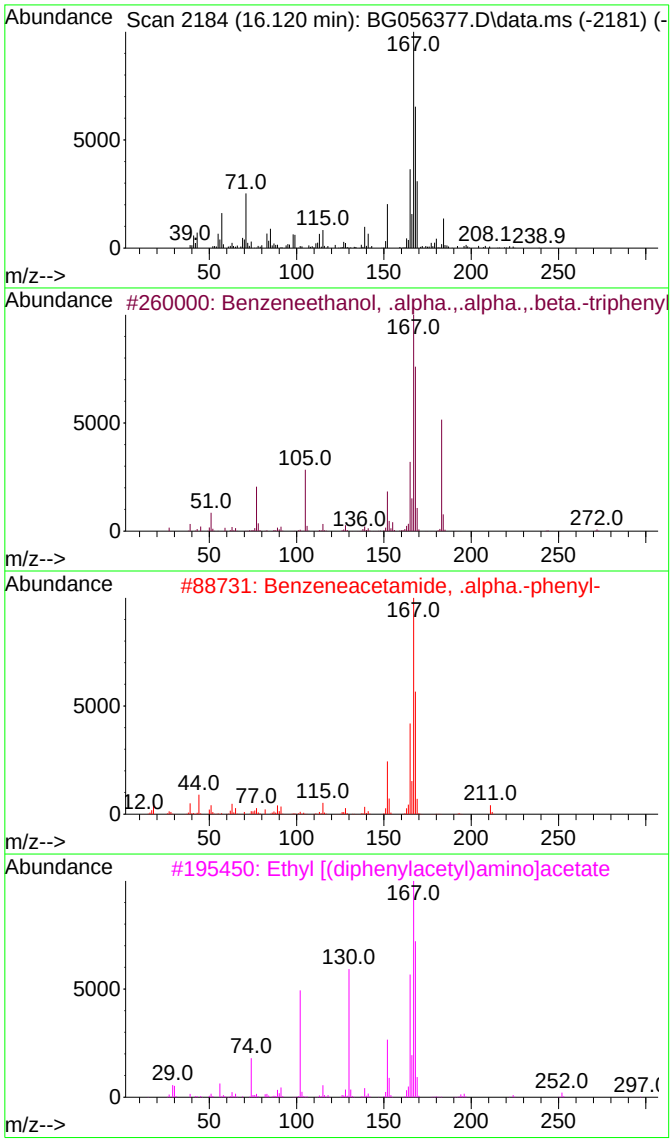
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

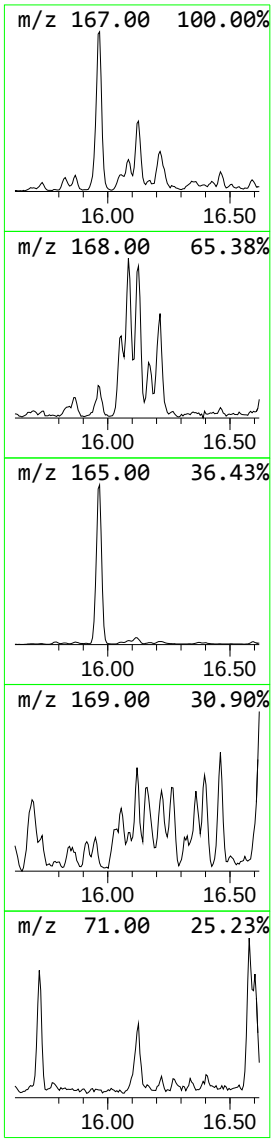
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzeneethanol, .alpha.,.al... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.120	12.06 ng	313841	Acenaphthene-d10	14.921

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	64
2	Benzeneacetamide, .alpha.-phenyl-	211	C14H13NO	004695-13-0	59
3	Ethyl [(diphenylacetyl)amino]ace...	297	C18H19NO3	006325-31-1	53
4	Diphenylmethane	168	C13H12	000101-81-5	52
5	2,2-Diphenylethanol	198	C14H14O	001883-32-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

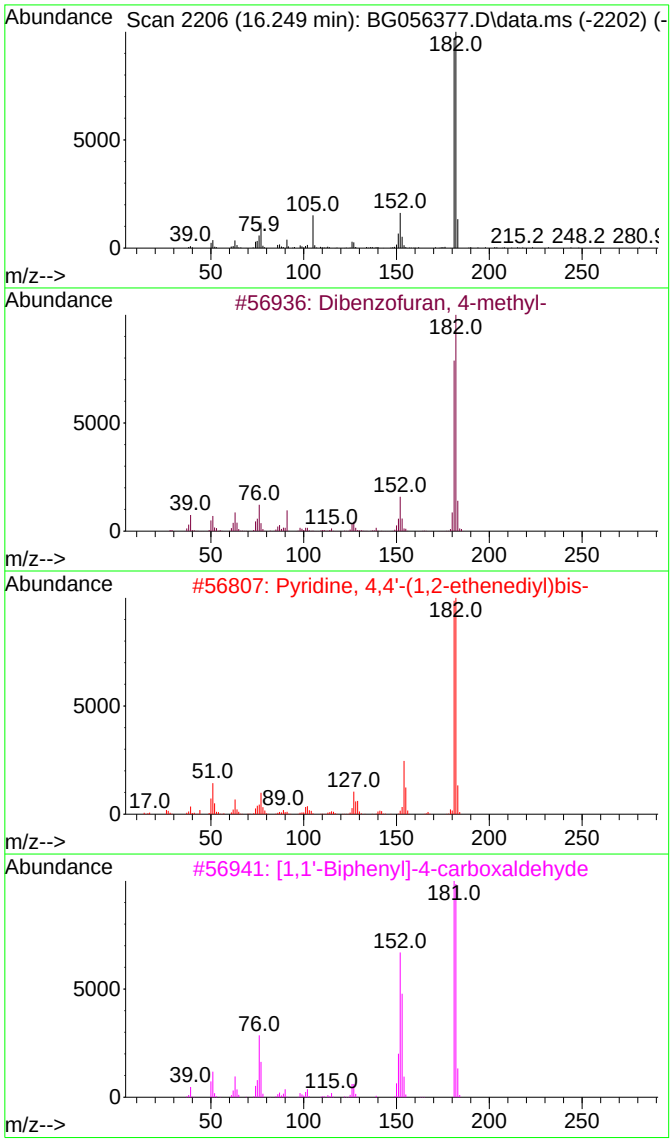
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

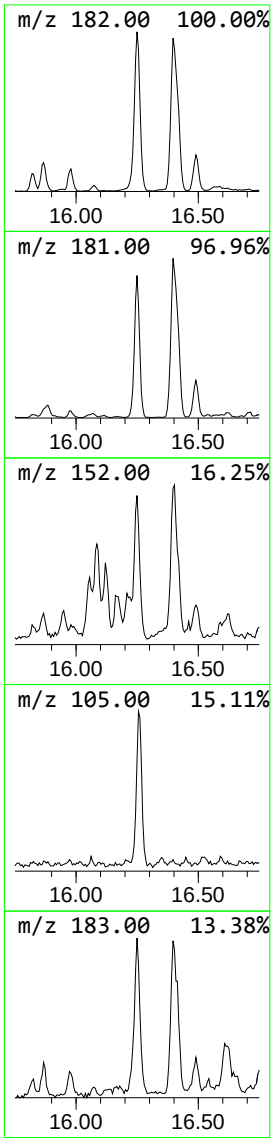
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.249	20.55 ng	534550	Acenaphthene-d10	14.921

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
2	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	64
5	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

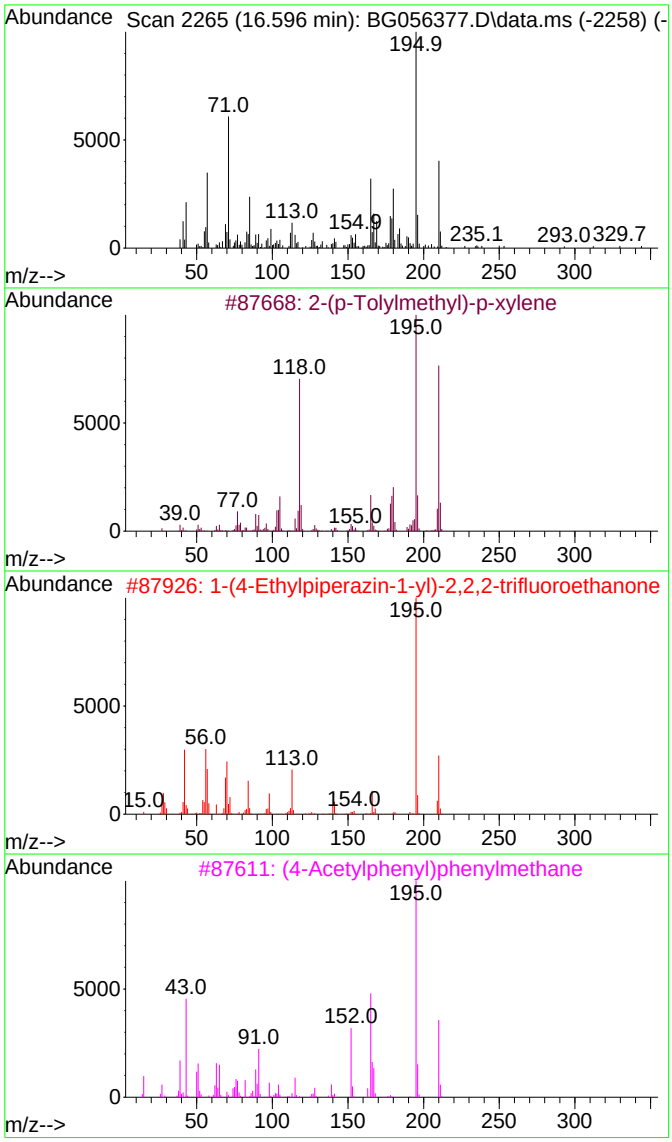
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

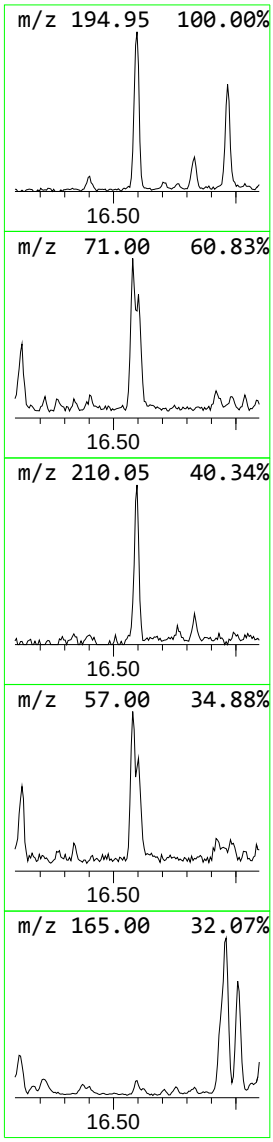
****

Peak Number 6 2-(p-Tolylmethyl)-p-xylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.596	12.61 ng	368940	Phenanthrene-d10	17.665

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(p-Tolylmethyl)-p-xylene	210	C16H18	000721-45-9	52
2	1-(4-Ethylpiperazin-1-yl)-2,2,2-...	210	C8H13F3N2O	1010373-19-2	50
3	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	49
4	9,9-Dimethyl-9-silafluorene	210	C14H14Si	013688-68-1	46
5	Carbazole, 4,5-dimethyl-	195	C14H13N	018992-66-0	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

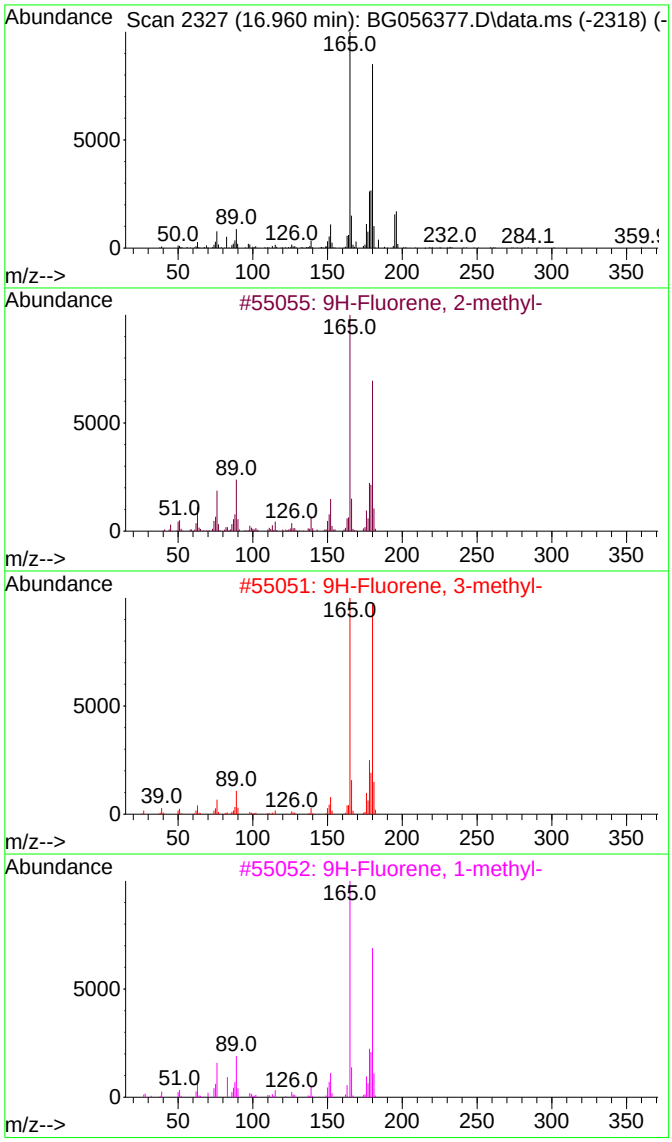
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

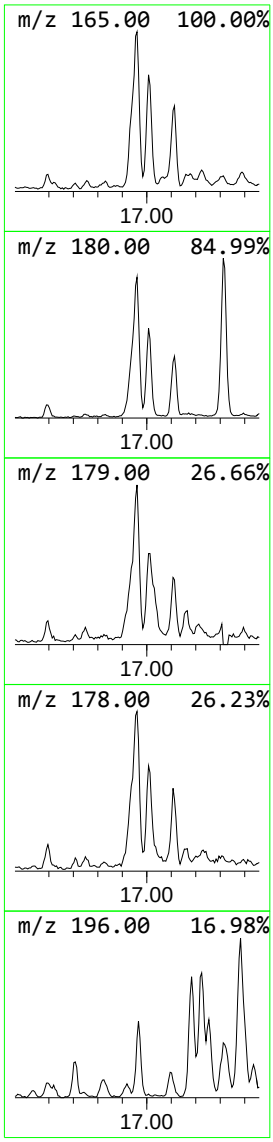
****

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.960	19.83 ng	580016	Phenanthrene-d10	17.665

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

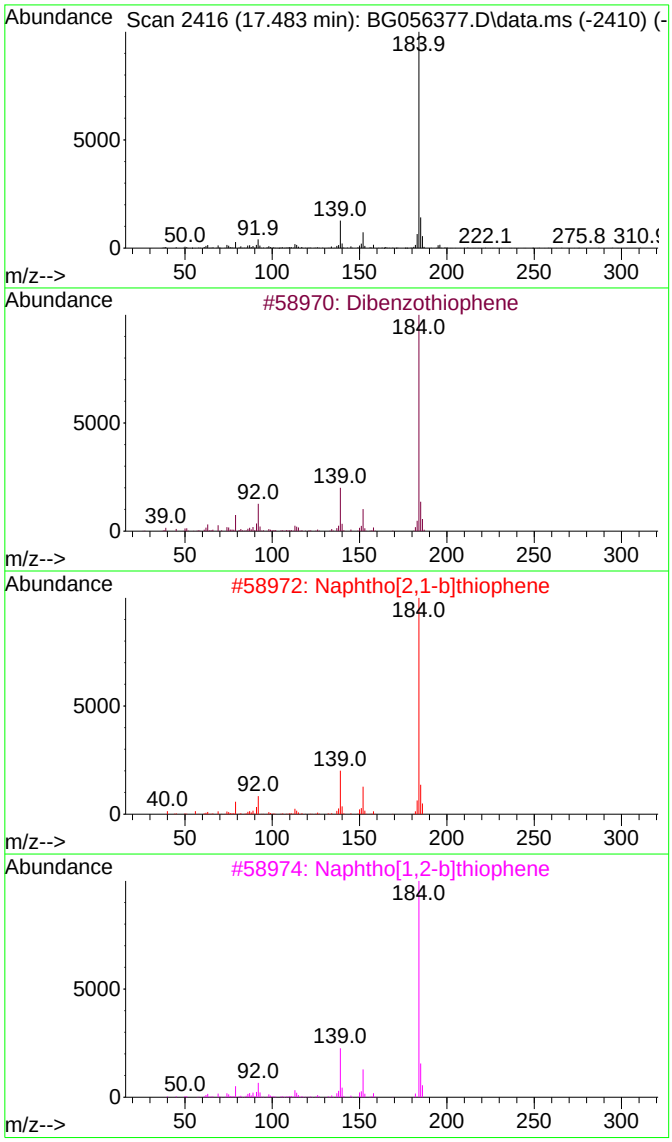
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

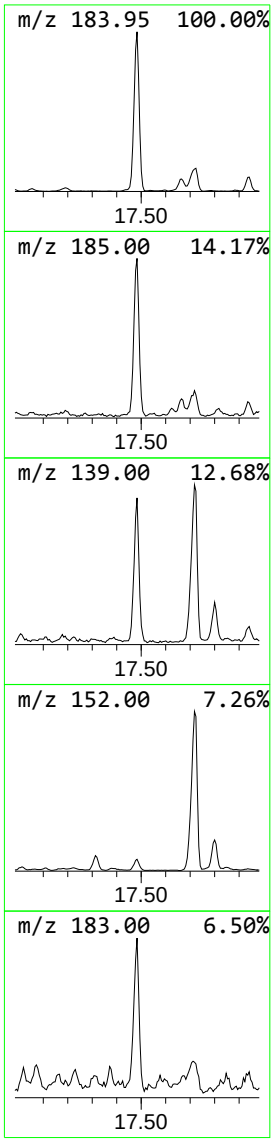
****

Peak Number 8 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.483	29.84 ng	872609	Phenanthrene-d10	17.665

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

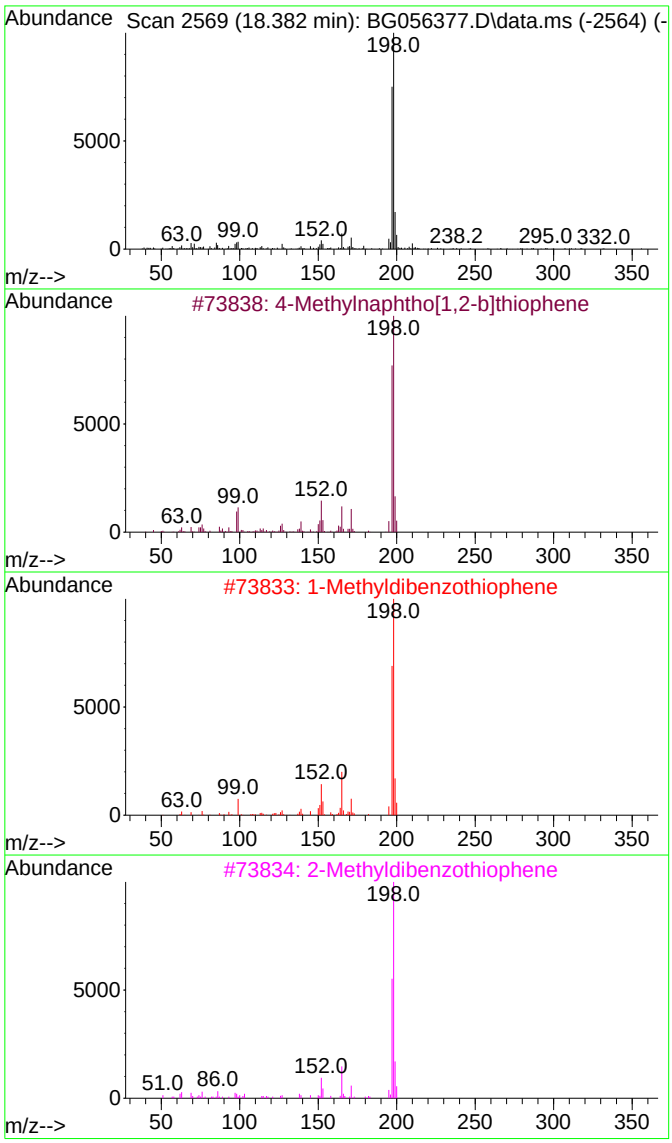
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

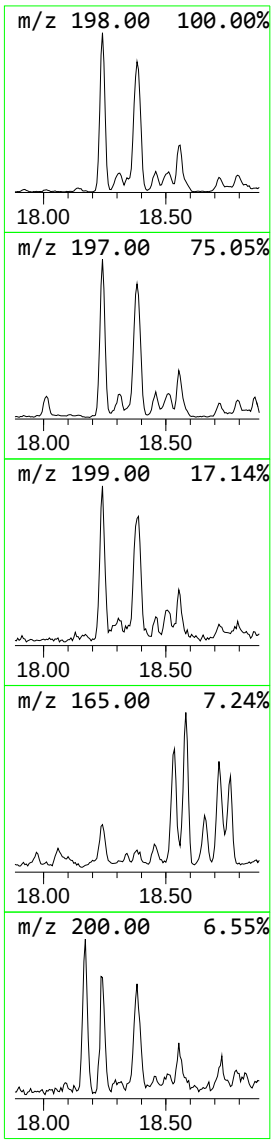
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.382	13.76 ng	402298	Phenanthrene-d10	17.665

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	95
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	78
5	3-quinolinecarbonitrile, 2-ethyl...	198	C12H10N2O	1000396-02-7	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

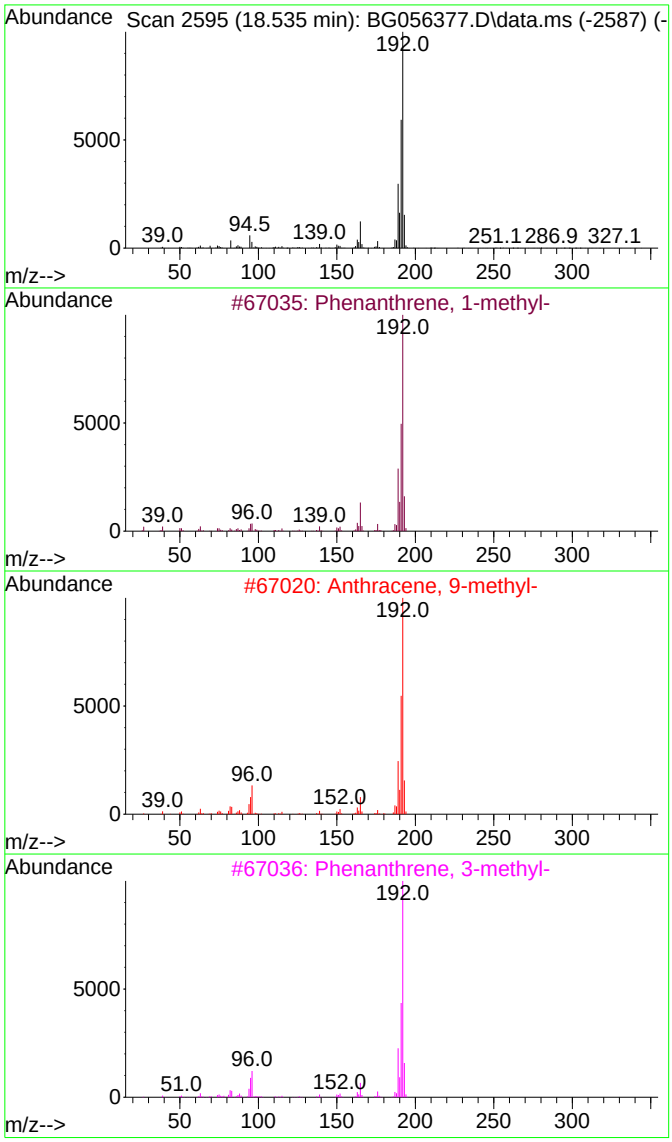
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

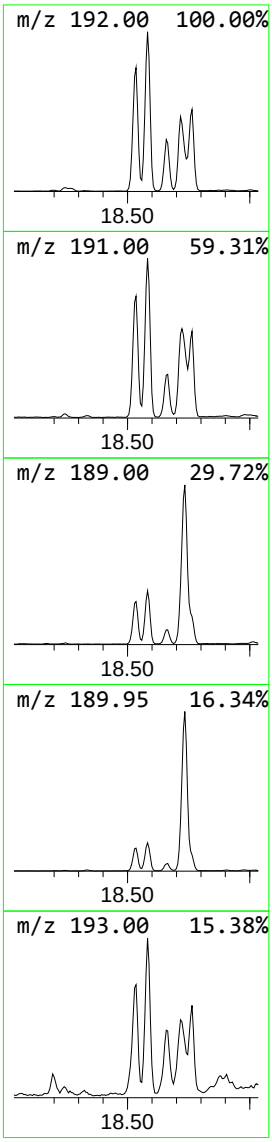
****

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.535	61.29 ng	1792640	Phenanthrene-d10	17.665

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	Phenanthrene, 3-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

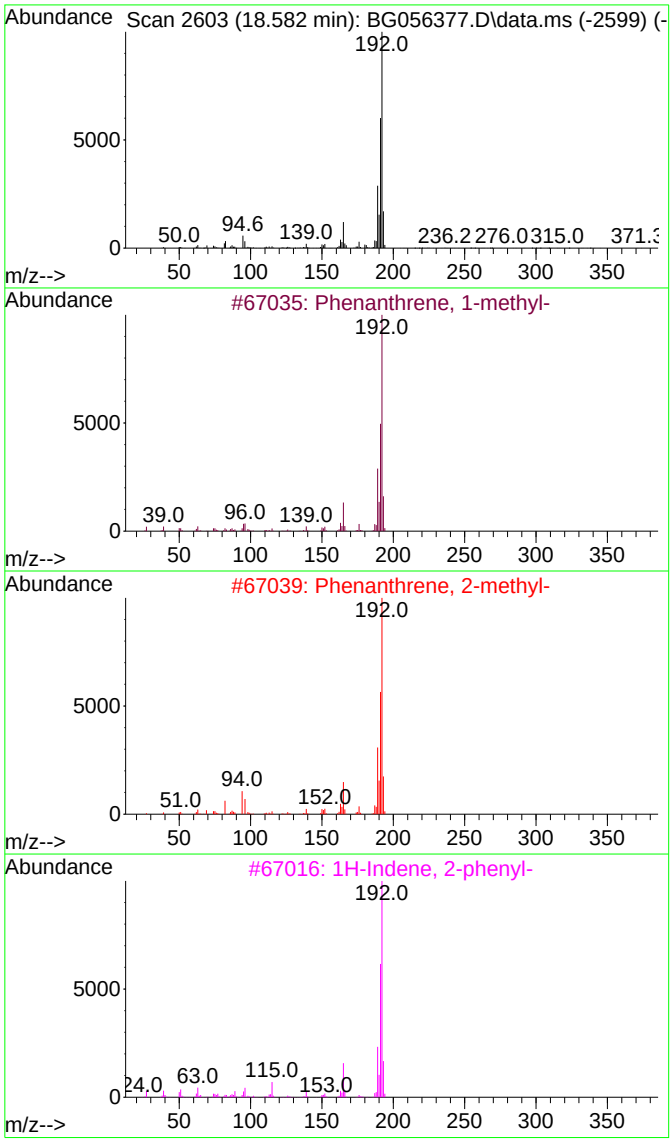
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

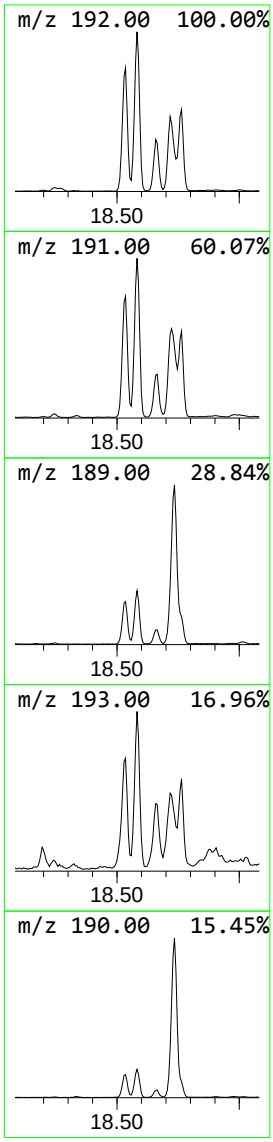
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.582	73.02 ng	2135470	Phenanthrene-d10	17.665

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

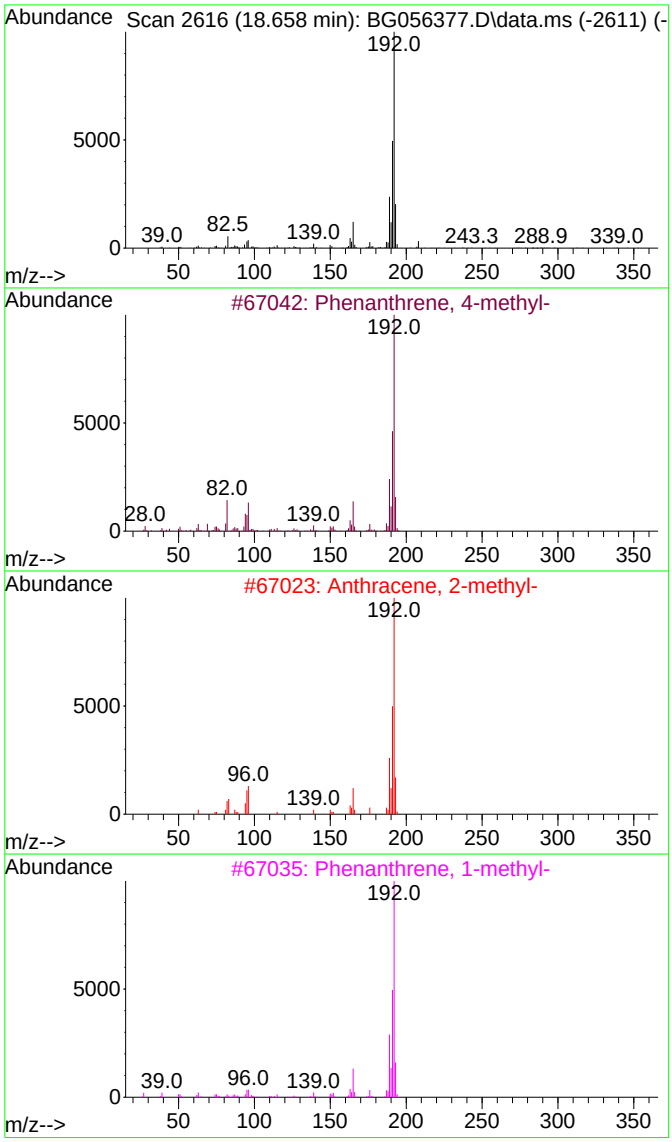
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

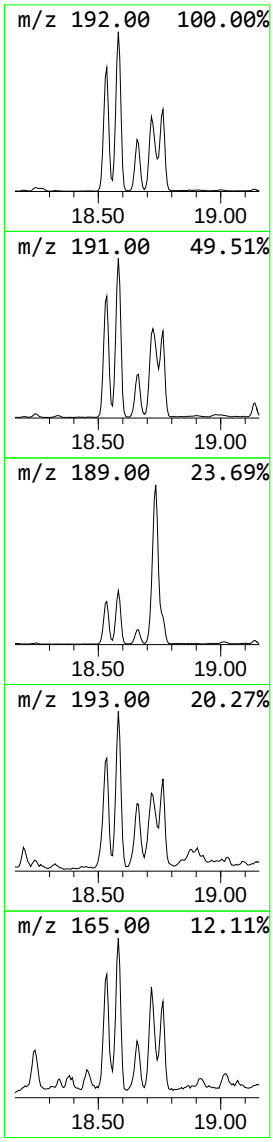
****

Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.658	21.68 ng	633987	Phenanthrene-d10	17.665

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

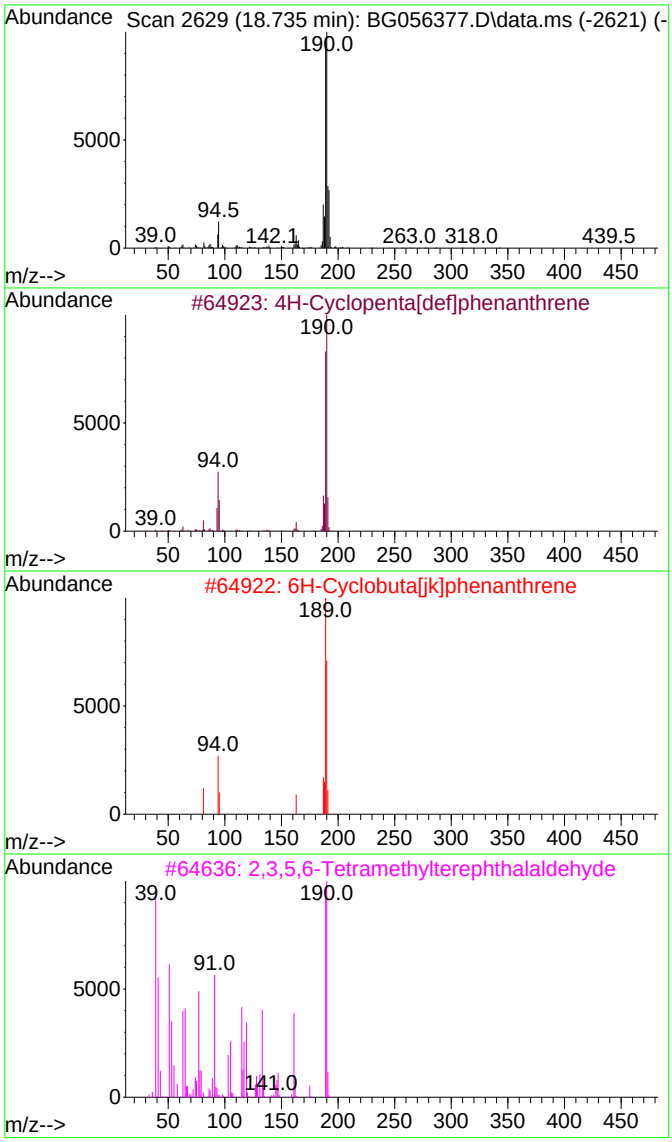
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

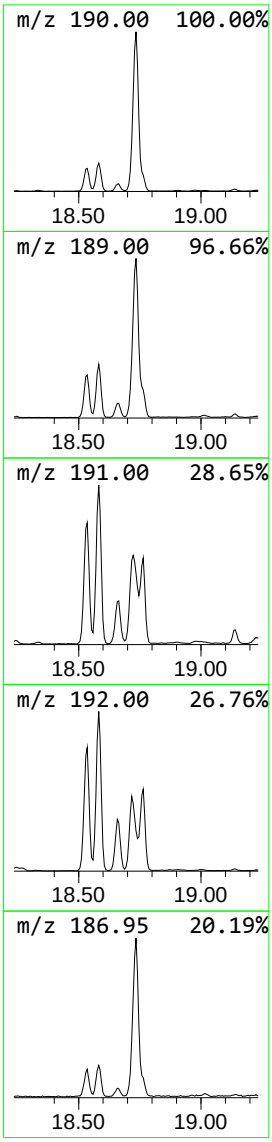
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.735	109.95 ng	3215640	Phenanthrene-d10	17.665

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Methyl diselenide	190	C2H6Se2	007101-31-7	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

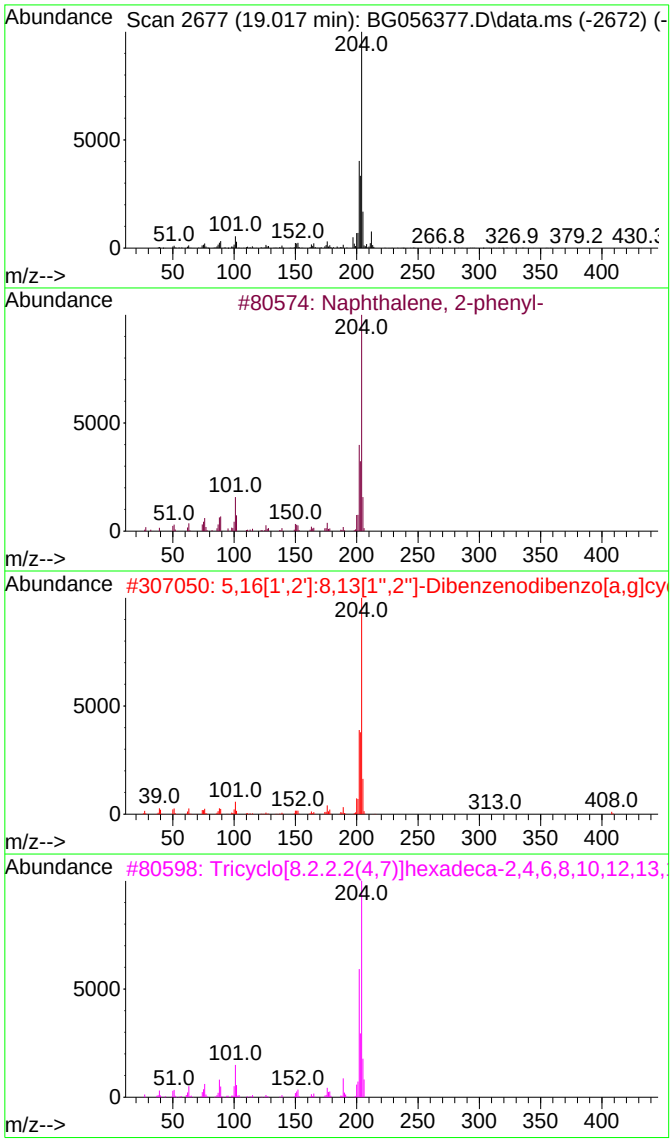
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

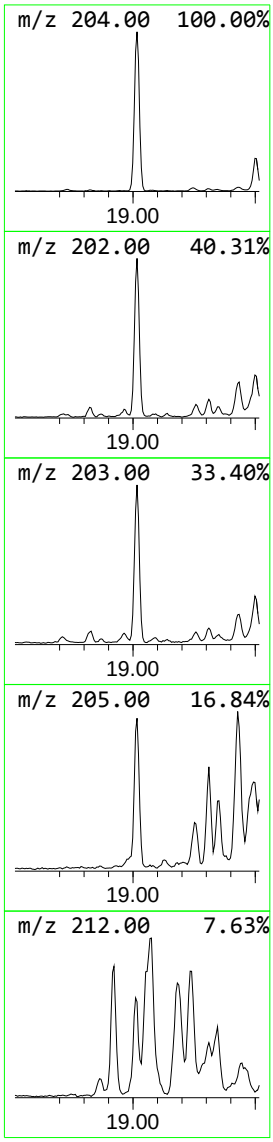
****

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.017	35.88 ng	1049440	Phenanthrene-d10	17.665

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

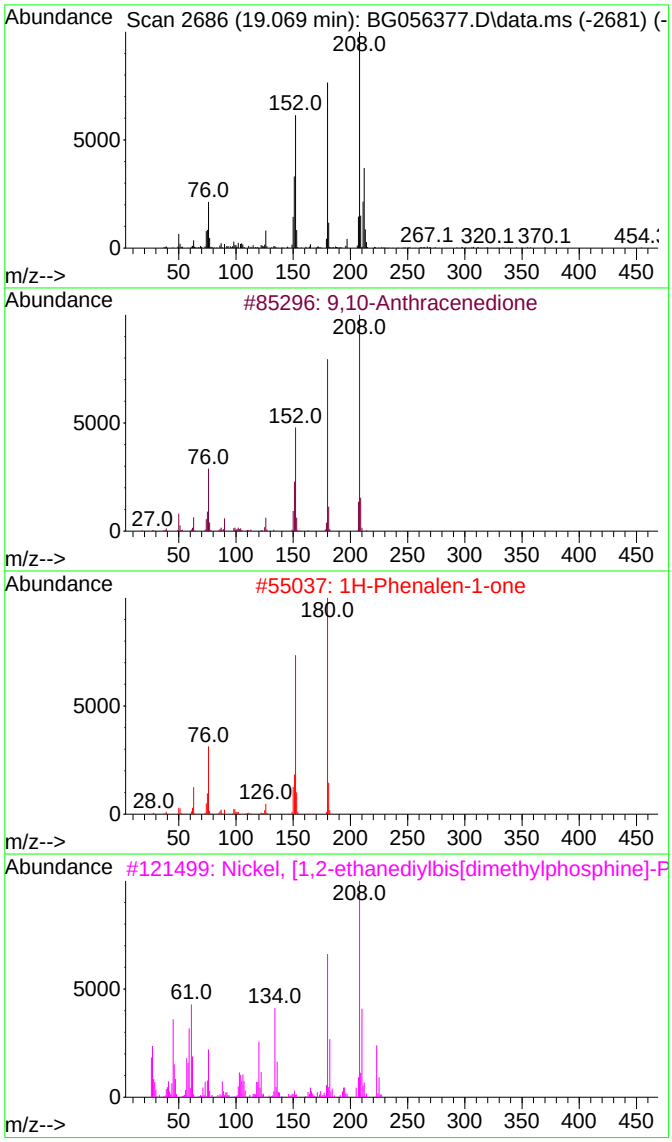
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

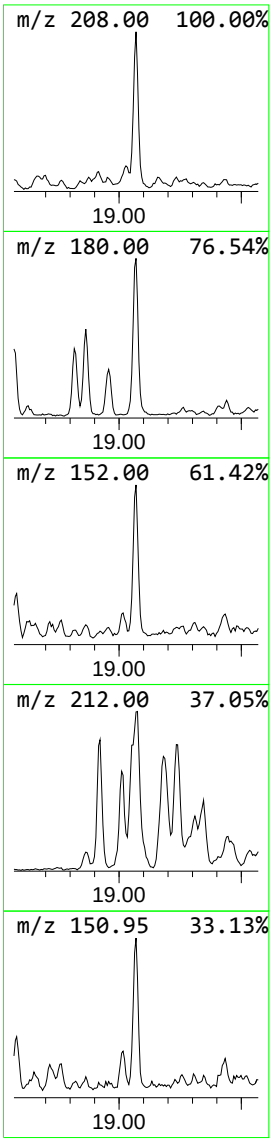
****

Peak Number 15 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.069	22.73 ng	664682	Phenanthrene-d10	17.665

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
3	Nickel, [1,2-ethanediylbis[dimet...	238	C8H22NiP2	122905-77-5	50
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50
5	Diphenic anhydride	224	C14H8O3	006050-13-1	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

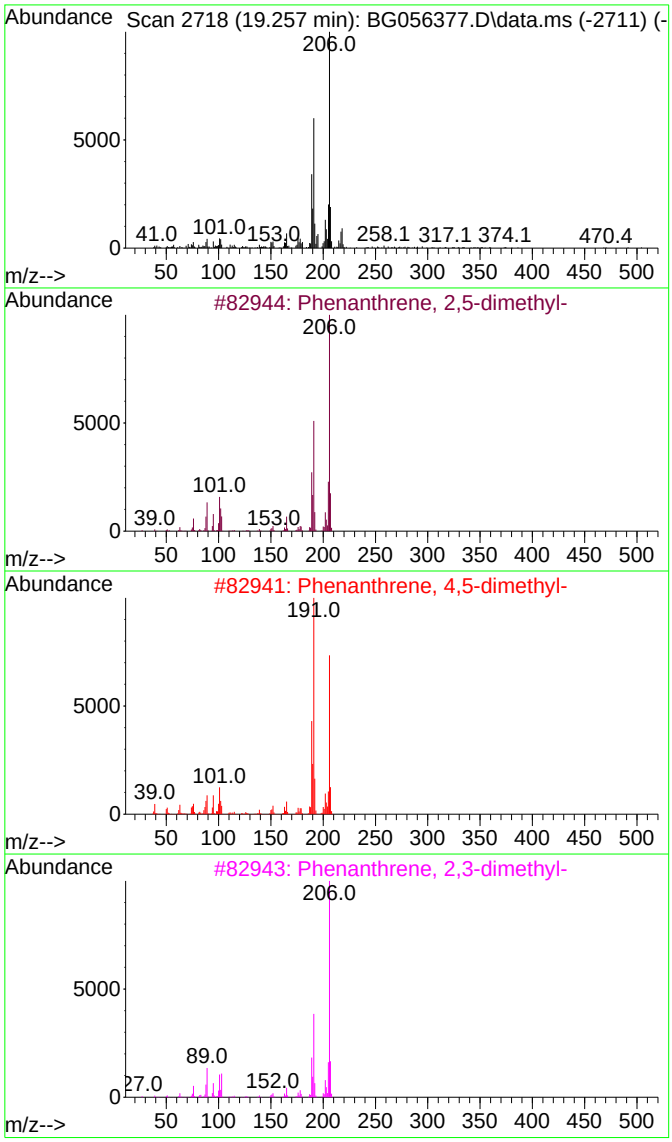
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

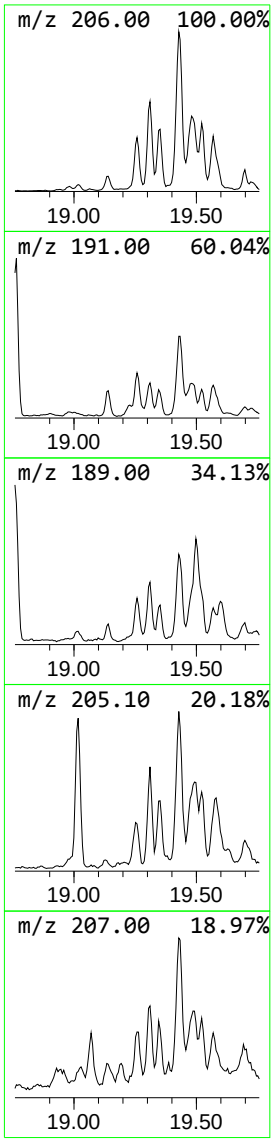
****

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.257	16.28 ng	476217	Phenanthrene-d10	17.665

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

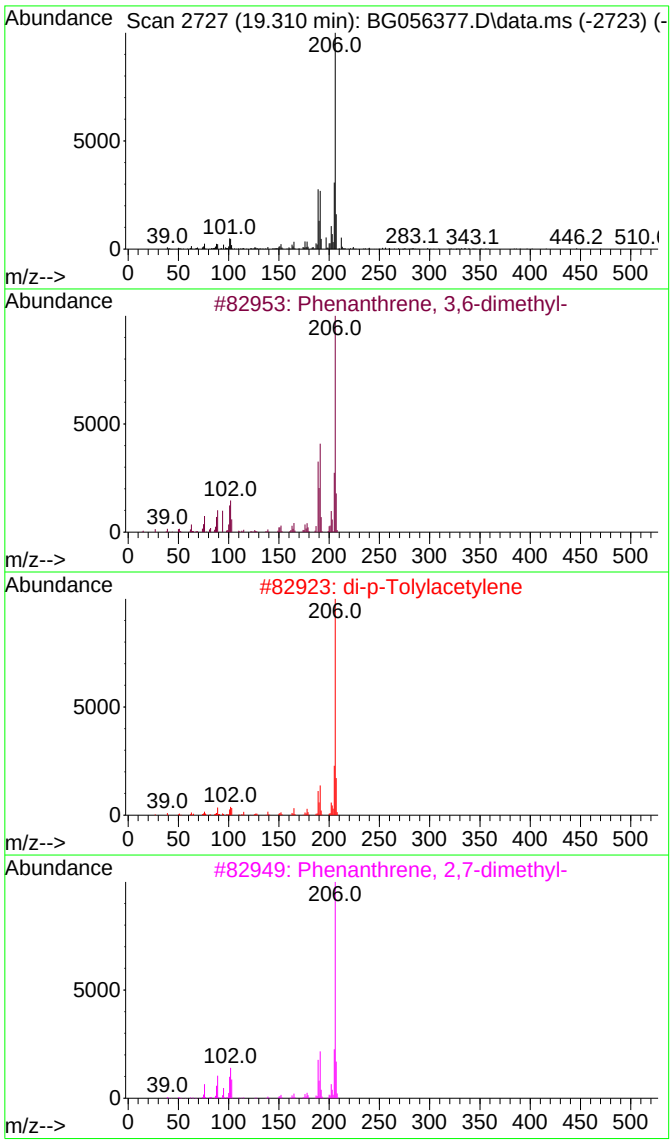
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

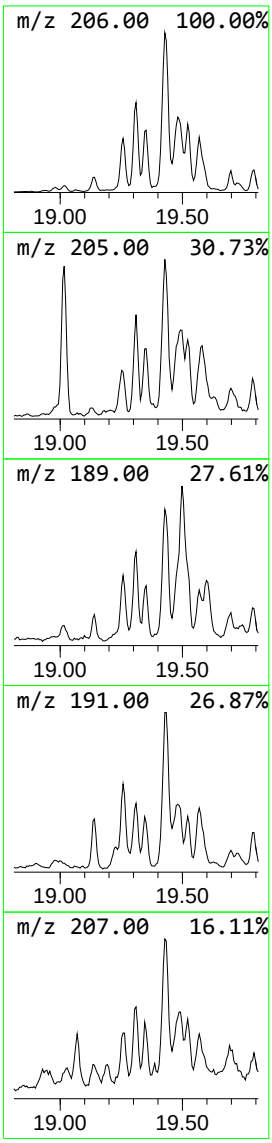
****

Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.310	12.91 ng	377677	Phenanthrene-d10	17.665

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

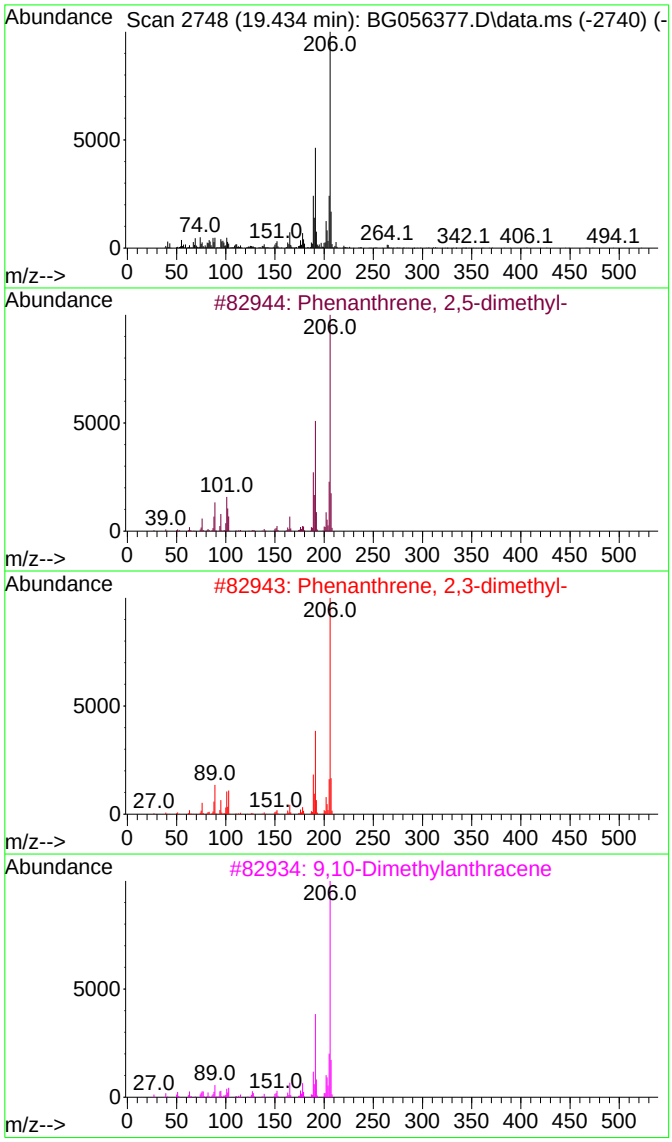
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

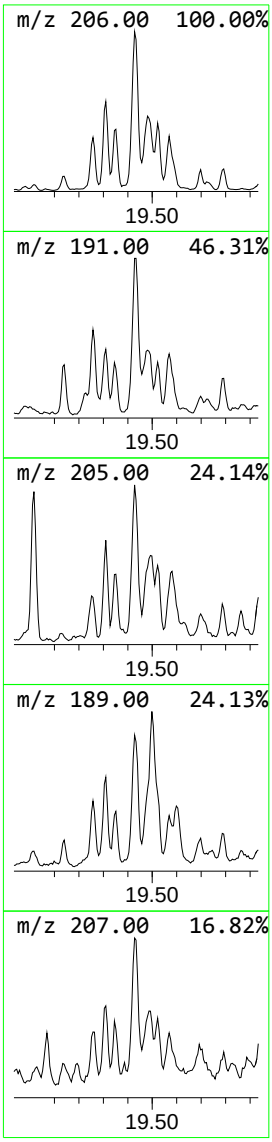
****

Peak Number 18 Phenanthrene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.434	57.76 ng	1689200	Phenanthrene-d10	17.665

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

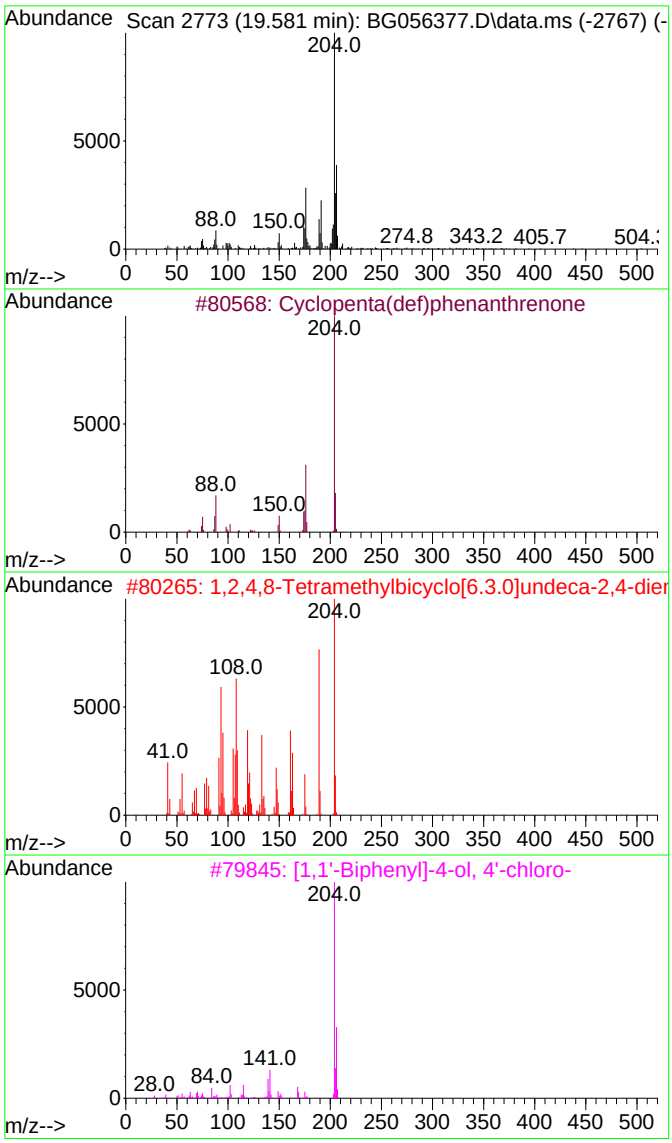
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

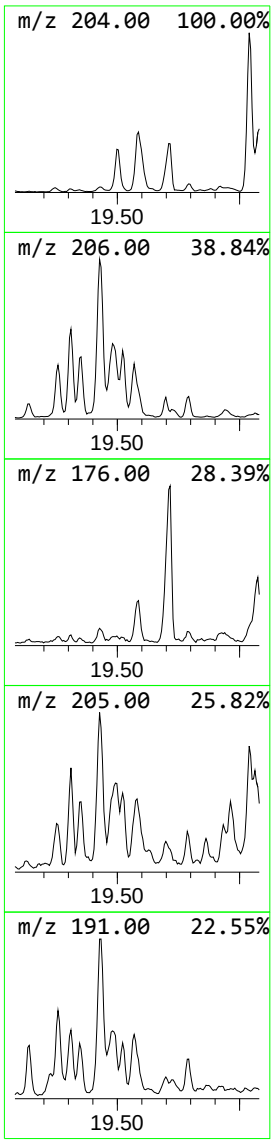
****

Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.581	24.42 ng	714284	Phenanthrene-d10	17.665

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
4	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

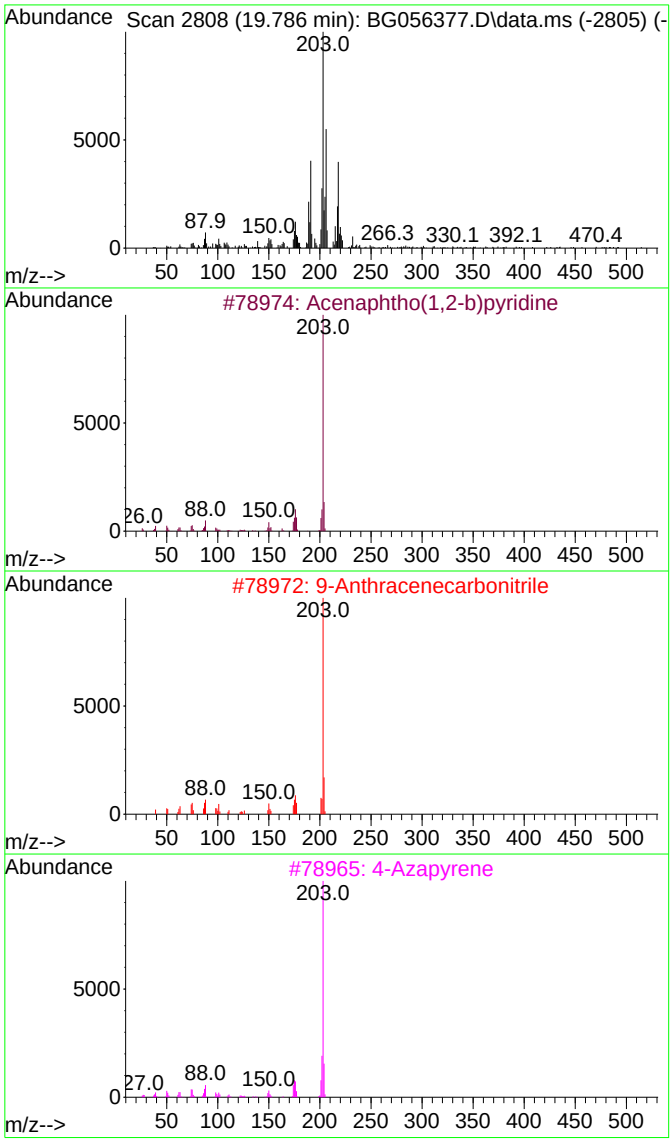
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

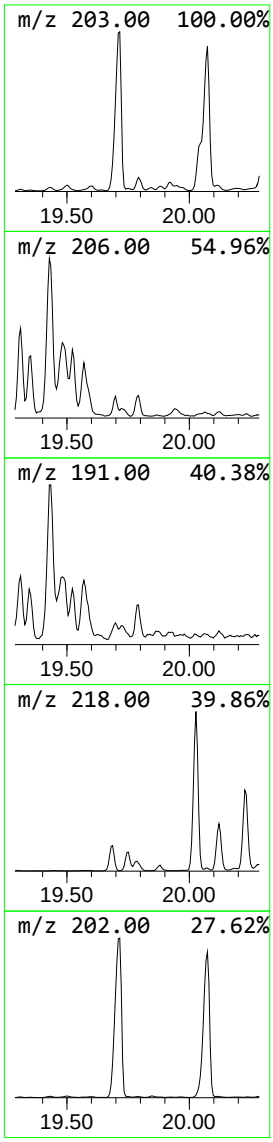
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Acenaphtho(1,2-b)pyridine Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.786	12.15 ng	355475	Phenanthrene-d10	17.665

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	64
2	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	64
3	4-Azapyrene	203	C15H9N	000194-03-6	52
4	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	35
5	9-Cyanophenanthrene	203	C15H9N	002510-55-6	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056377.D
Acq On : 20 Jan 2023 21:32
Operator : CG/JU
Sample : 01234-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-11923

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.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,...	14.099	24.9	ng	647944	3	14.921	520338	20.0
Naphthalene, 2,...	14.246	24.8	ng	643815	3	14.921	520338	20.0
Naphthalene, 2,...	14.299	13.7	ng	355655	3	14.921	520338	20.0
Benzeneethanol,...	16.120	12.1	ng	313841	3	14.921	520338	20.0
Dibenzofuran, 4...	16.249	20.6	ng	534550	3	14.921	520338	20.0
2-(p-Tolylmethy...	16.596	12.6	ng	368940	4	17.665	584929	20.0
9H-Fluorene, 2-...	16.960	19.8	ng	580016	4	17.665	584929	20.0
Dibenzothiophene	17.483	29.8	ng	872609	4	17.665	584929	20.0
4-Methylnaphtho...	18.382	13.8	ng	402298	4	17.665	584929	20.0
Phenanthrene, 1...	18.535	61.3	ng	1792640	4	17.665	584929	20.0
Phenanthrene, 2...	18.582	73.0	ng	2135470	4	17.665	584929	20.0
Phenanthrene, 4...	18.658	21.7	ng	633987	4	17.665	584929	20.0
4H-Cyclopenta[d...	18.735	110.0	ng	3215640	4	17.665	584929	20.0
Naphthalene, 2-...	19.017	35.9	ng	1049440	4	17.665	584929	20.0
9,10-Anthracene...	19.069	22.7	ng	664682	4	17.665	584929	20.0
Phenanthrene, 2...	19.257	16.3	ng	476217	4	17.665	584929	20.0
Phenanthrene, 3...	19.310	12.9	ng	377677	4	17.665	584929	20.0
Phenanthrene, 2...	19.434	57.8	ng	1689200	4	17.665	584929	20.0
Cyclopenta(def)...	19.581	24.4	ng	714284	4	17.665	584929	20.0
Acenaphtho(1,2-...	19.786	12.2	ng	355475	4	17.665	584929	20.0