LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

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-BG010824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG060361.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.118	3	5	17	rVB	275336	436483	1.96%	0.162%
2	5.503	404	411	427	rBV	2477774	4283393	19.20%	1.595%
3	7.096	674	682	697	rBV	2751976	4861772	21.79%	1.810%
4	7.930	815	824	836	rBV	942343	1679038	7.53%	0.625%
5	9.087	1014	1021	1036	rBV	1773875	3242361	14.53%	1.207%
6	10.732	1291	1301	1306	rBV	1313489	2381926	10.68%	0.887%
7	10.779	1306	1309	1324	rVB	296064	538353	2.41%	0.200%
8	12.389	1577	1583	1590	rBV	248684	433678	1.94%	0.161%
9	12.607	1614	1620	1630	rVB	255530	461102	2.07%	0.172%
10	13.188	1712	1719	1731	rBV	4988230	7756954	34.77%	2.888%
11	13.735	1806	1812	1821	rVB4	129139	328243	1.47%	0.122%
12	13.888	1831	1838	1842	rBV	285776	519583	2.33%	0.193%
13	13.935	1842	1846	1853	rVB	188047	292396	1.31%	0.109%
14	14.563	1942	1953	1959	rBV	2224656	3611634	16.19%	1.345%
15	14.628	1959	1964	1971	rVV	1167056	1831246	8.21%	0.682%
16	14.775	1983	1989	1997	rVB4	88616	228115	1.02%	0.085%
17	14.875	1997	2006	2010	rBV4	121043	266076	1.19%	0.099%
18	14.963	2015	2021	2028	rVV	849695	1353649	6.07%	0.504%
19	15.039	2029	2034	2041	rVB2	175200	279464	1.25%	0.104%
20	15.180	2053	2058	2062	rBV	193111	316492	1.42%	0.118%
21	15.233	2062	2067	2072	rVB2	180274	257879	1.16%	0.096%
22	15.351	2080	2087	2090	rBV4	164173	348748	1.56%	0.130%
23	15.609	2125	2131	2142	rVB	1150531	1893859	8.49%	0.705%
24	15.738	2149	2153	2156	rVV	198760	301471	1.35%	0.112%
25	15.774	2156	2159	2163	rVB2	239908	329495	1.48%	0.123%
26	15.903	2177	2181	2189	rVB	425812	751106	3.37%	0.280%
27	16.056	2200	2207	2214	rBV	4096502	6512214	29.19%	2.424%
28	16.285	2239	2246	2252	rVB6	210735	406614	1.82%	0.151%
29	16.590	2291	2298	2299	rBV3	236641	385168	1.73%	0.143%
30	16.620	2299	2303	2307	rVV3	309468	528397	2.37%	0.197%
31	16.667	2307	2311	2316	rVB4	218210	333302	1.49%	0.124%
32	16.843	2333	2341	2344	rBV3	289359	636044	2.85%	0.237%
33	16.884	2345	2348	2352	rVB3	247701	316424	1.42%	0.118%
34	16.966	2356	2362	2368	rVB	766578	1208643	5.42%	0.450%
35	17.043	2370	2375	2377	rBV2	296675	488665	2.19%	0.182%
36	17.131	2385	2390	2398	rVB	783966	1263091	5.66%	0.470%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

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-BG010824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.313	2416	2421	2424	rBV	2554917	3945539	17.68%	1.469%
38	17.360	2424	2429	2435	rVV	11335571	18441401	82.65%	6.865%
39	17.448	2435	2444	2449	rVV	2824111	4588207	20.56%	1.708%
40	17.501	2449	2453	2458	rVB4	290213	542423	2.43%	0.202%
41	17.718	2481	2490	2501	rBV2	1211905	2628155	11.78%	0.978%
42	17.836	2506	2510	2513	rVV	302512	443321	1.99%	0.165%
43	17.895	2516	2520	2528	rVB3	496245	772354	3.46%	0.288%
44	18.041	2541	2545	2552	rVB2	178054	360386	1.62%	0.134%
45	18.112	2553	2557	2561	rBV2	196610	274265	1.23%	0.102%
46	18.194	2565	2571	2575	rVV	2264742	3921511	17.58%	1.460%
47	18.241	2575	2579	2586	rVB	2690332	4087776	18.32%	1.522%
48	18.318	2587	2592	2597	rVV	979981	1534450	6.88%	0.571%
49	18.388	2597	2604	2608	rVV2	2914027	5962626	26.72%	2.220%
50	18.423	2608	2610	2617	rVV	1574757	1865364	8.36%	0.694%
51	18.494	2619	2622	2626	rVV4	317146	476771	2.14%	0.177%
52	18.535	2626	2629	2633	rVB4	241244	308001	1.38%	0.115%
53	18.688	2650	2655	2659	rVV	1451133	2129877	9.55%	0.793%
54	18.729	2659	2662	2668	rVB	1251351	1818745	8.15%	0.677%
55	18.811	2673	2676	2682	rBV	280008	358549	1.61%	0.133%
56	18.935	2689	2697	2701	rBV3	657203	1165371	5.22%	0.434%
57	18.987	2702	2706	2709	rVB	400764	496620	2.23%	0.185%
58	19.023	2709	2712	2717	rVB	460262	591538	2.65%	0.220%
59	19.105	2721	2726	2731	rBV	1397051	2522108	11.30%	0.939%
60	19.170	2735	2737	2740	rVB2	460634	486156	2.18%	0.181%
61	19.252	2746	2751	2758	rBV2	1119311	2045256	9.17%	0.761%
62	19.375	2766	2772	2778	rBV	13651805	22312039	100.00%	8.306%
63	19.469	2785	2788	2793	rVB2	627845	821361	3.68%	0.306%
64	19.569	2802	2805	2808	rVB2	300961	336939	1.51%	0.125%
65	19.616	2809	2813	2817	rBV	573126	816571	3.66%	0.304%
66	19.740	2829	2834	2841	rVB	13042082	22141026	99.23%	8.243%
67	19.804	2841	2845	2851	rVB3	1000130	1665435	7.46%	0.620%
68	19.933	2859	2867	2871	rBV2	7114079	10455688	46.86%	3.892%
69	19.975	2871	2874	2879	rVB	944557	1415540	6.34%	0.527%
70	20.063	2882	2889	2895	rBV3	1347435	3492574	15.65%	1.300%
71	20.192	2906	2911	2913	rBV5	971459	1731214	7.76%	0.644%
72	20.227	2913	2917	2922	rVB2	2281931	3435783	15.40%	1.279%
73	20.327	2930	2934	2938	rBV	1071388	1428818	6.40%	0.532%
74	20.386	2938	2944	2948	rVV2	1873666	3059676	13.71%	1.139%
75	20.421	2948	2950	2954	rVB2	489523	553332	2.48%	0.206%
76	20.527	2964	2968	2971	rBV	1196164	1617242	7.25%	0.602%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

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-BG010824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.574	2972	2976	2979	rVB	1124177	1555748	6.97%	0.579%
78	20.926	3033	3036	3041	rBV4	482767	727093	3.26%	0.271%
79	20.985	3042	3046	3053	rVB	1717047	2567022	11.51%	0.956%
80	21.167	3071	3077	3080	rBV2	1090830	2181103	9.78%	0.812%
81	21.208	3081	3084	3088	rVV	1432754	2334770	10.46%	0.869%
82	21.255	3089	3092	3097	rVV2	1334327	2411138	10.81%	0.898%
83	21.314	3097	3102	3111	rVB2	1699798	3110603	13.94%	1.158%
84	21.567	3139	3145	3152	rBV3	7986575	18061680	80.95%	6.724%
85	21.631	3152	3156	3168	rVB	6978475	11965450	53.63%	4.454%
86	21.778	3177	3181	3187	rVB	996514	1642519	7.36%	0.611%
87	22.301	3267	3270	3276	rVB	1200552	1871298	8.39%	0.697%
88	23.758	3509	3518	3525	rBV2	3869444	13889682	62.25%	5.171%
89	24.469	3631	3639	3652	rVB	2102629	6842631	30.67%	2.547%
90	24.610	3655	3663	3676	rVV	3200487	9555346	42.83%	3.557%
91	24.757	3683	3688	3695	rBV	770550	1790706	8.03%	0.667%

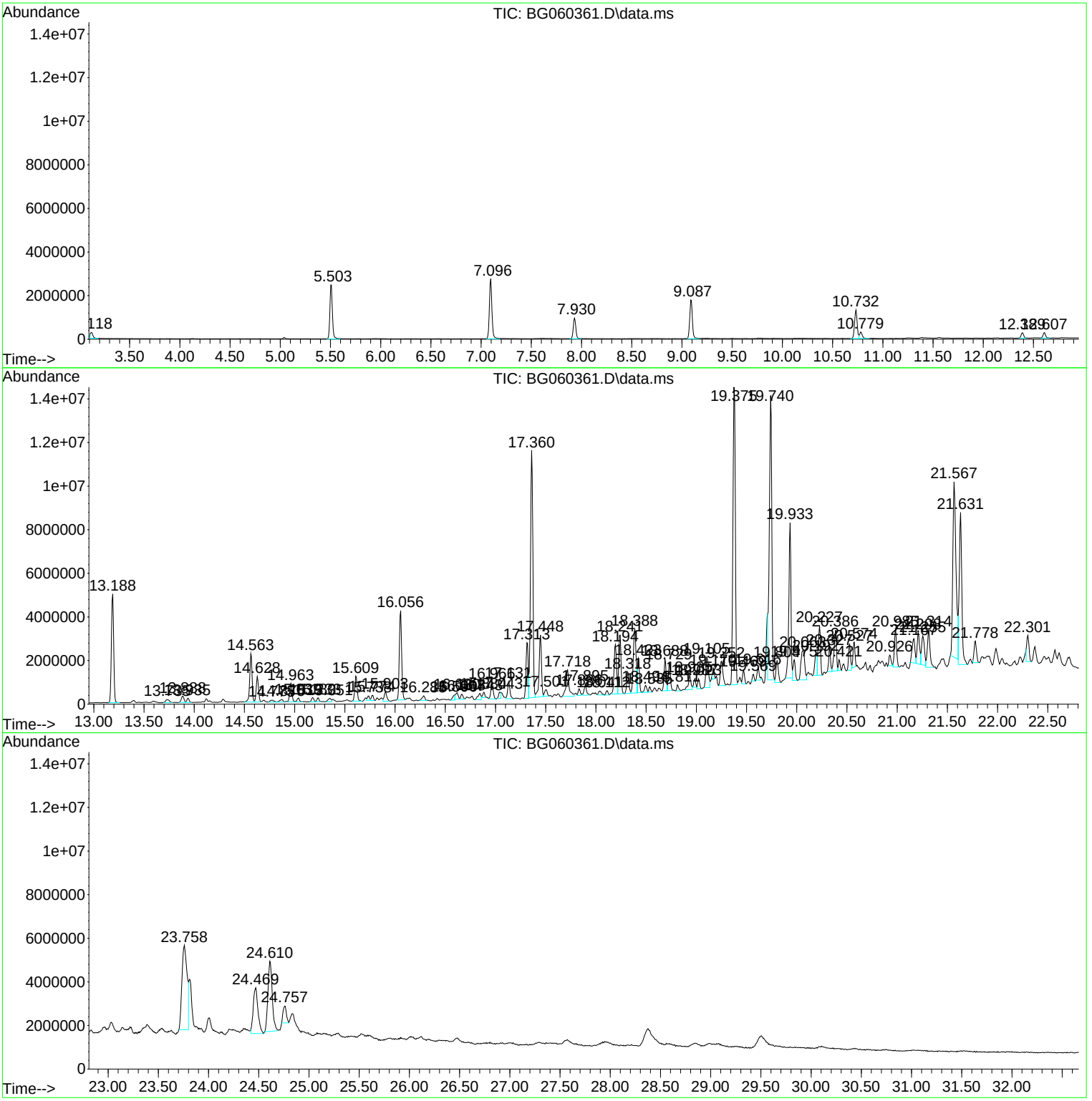
Sum of corrected areas: 268619875

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.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\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

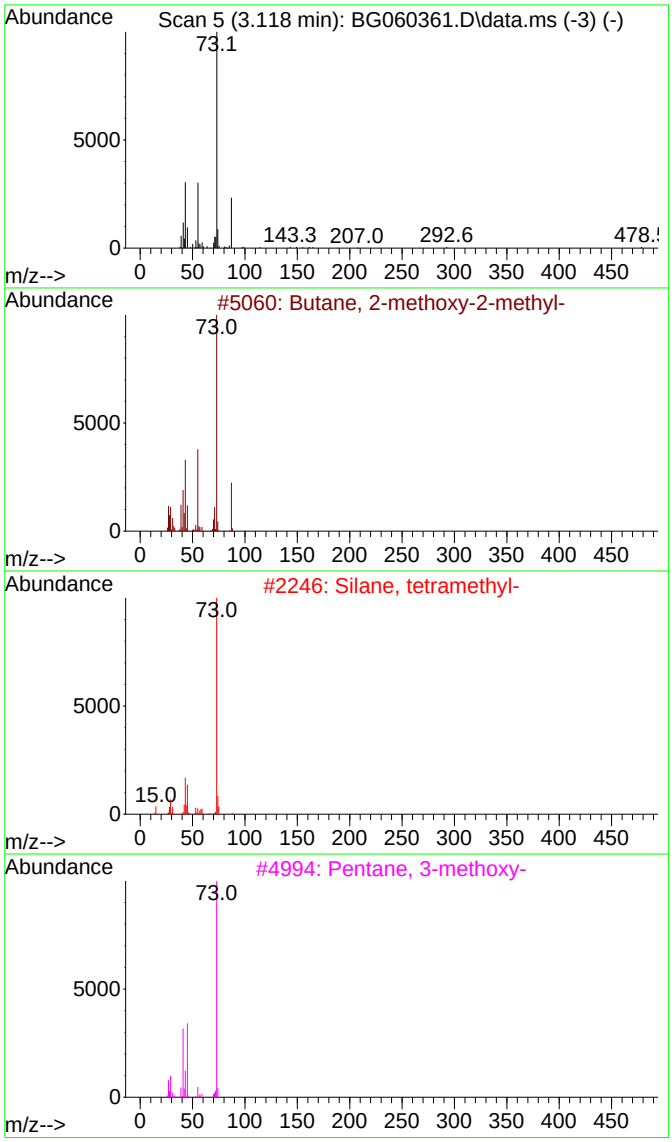
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

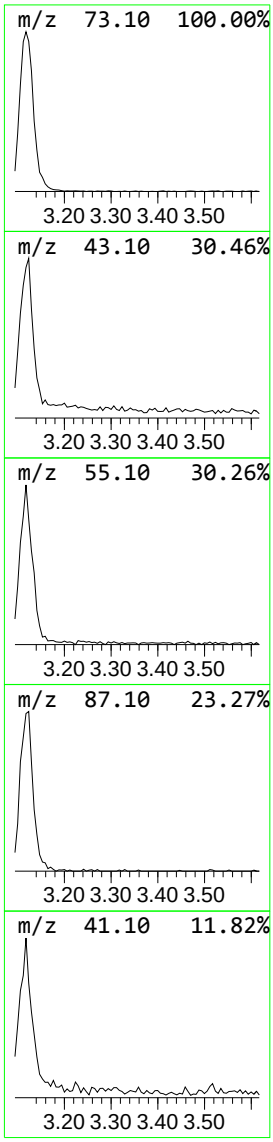
****

Peak Number 1 unknown3.118 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.118	5.20 ng	436483	1,4-Dichlorobenzene-d4	7.930

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
5	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

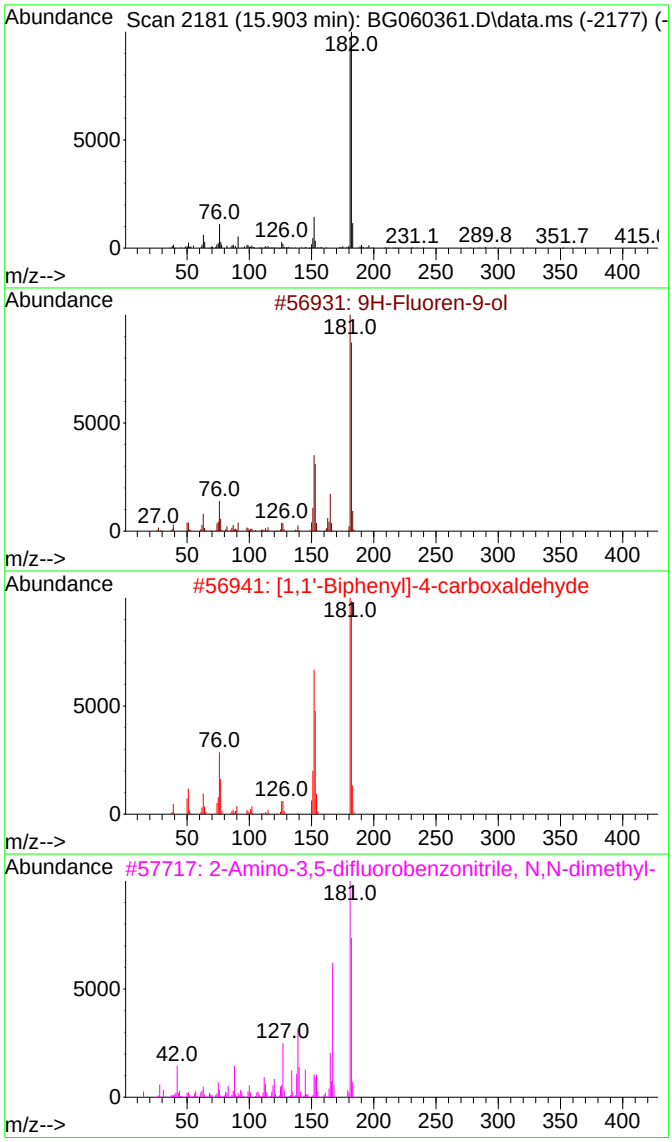
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

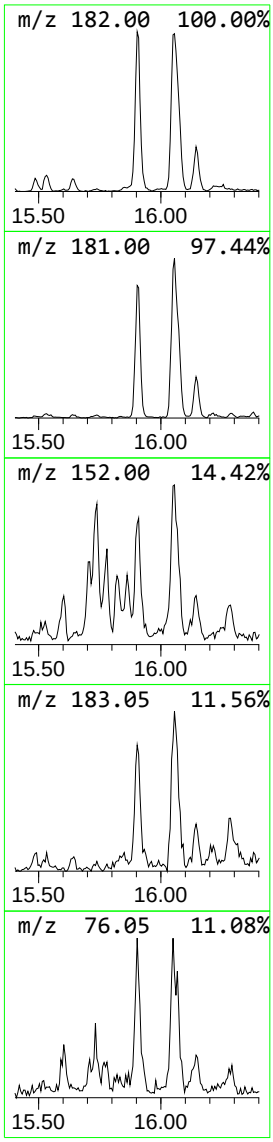
****

Peak Number 2 9H-Fluoren-9-ol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.903	4.16 ng	751106	Acenaphthene-d10	14.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	2-Amino-3,5-difluorobenzonitrile...	182	C9H8F2N2	1000506-38-0	72
4	Pyridine, 4,4'-(1,2-ethenediyl)b...	182	C12H10N2	013362-78-2	72
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

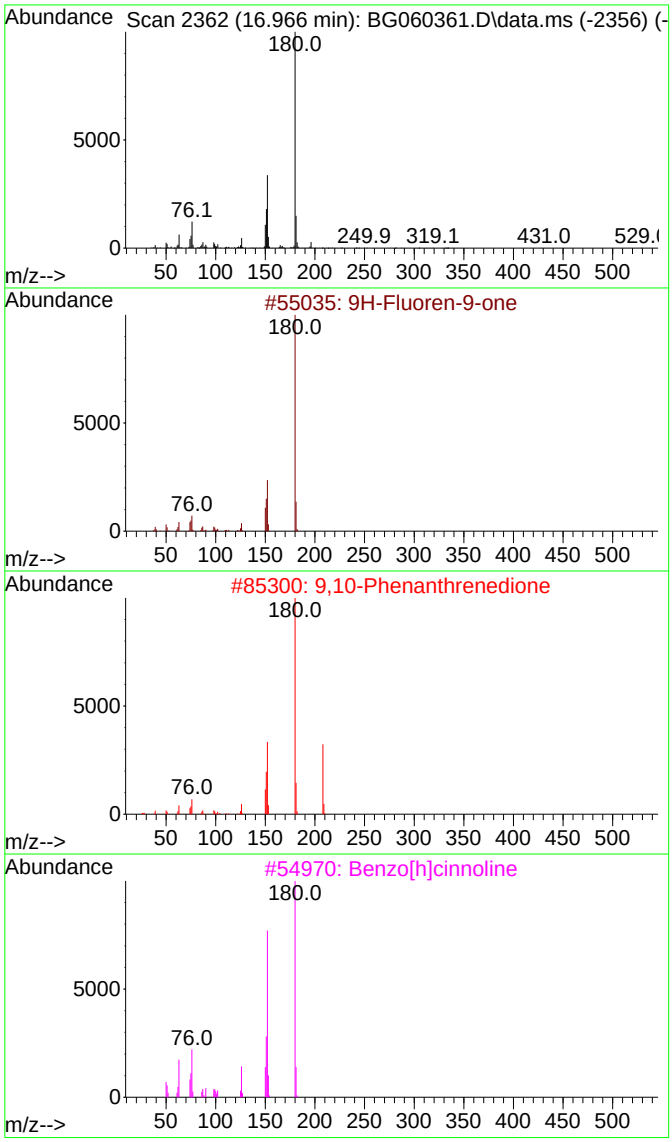
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

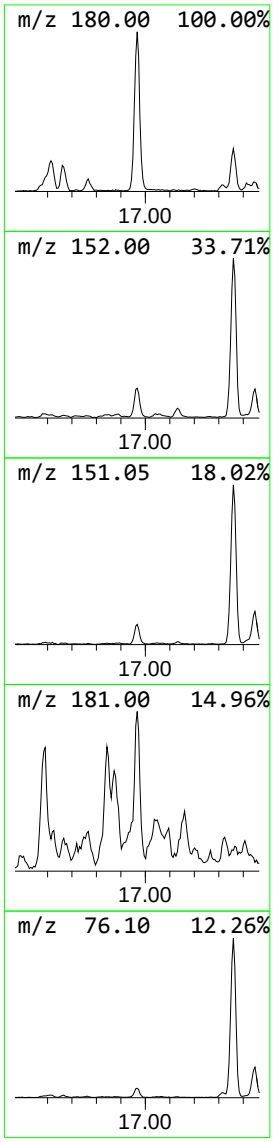
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.966	6.13 ng	1208640	Phenanthrene-d10	17.313

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5	9,9-Bis[4-aminophenylsulfonyl]fl...	476	C25H20N2O4S2	081269-16-1	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

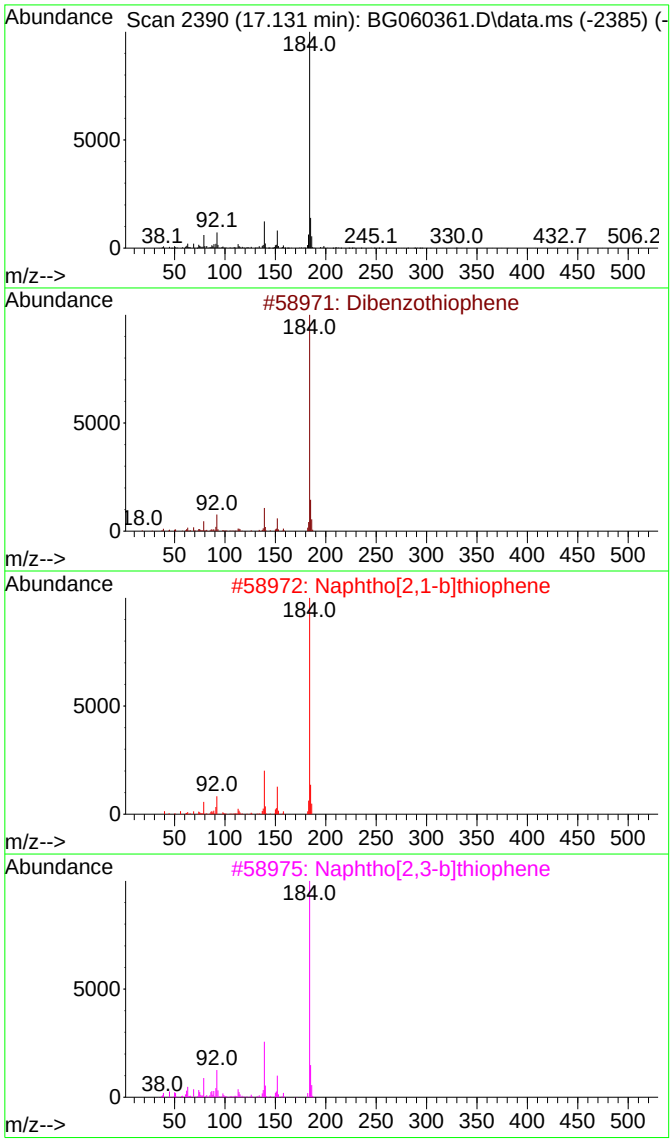
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

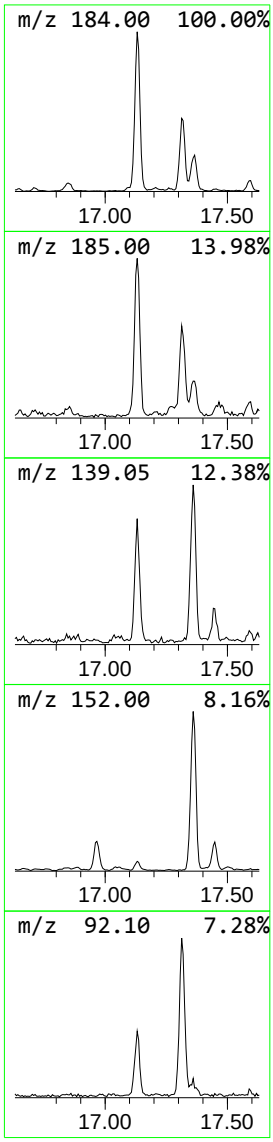
****

Peak Number 4 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.131	6.40 ng	1263090	Phenanthrene-d10	17.313

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
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	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	78
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

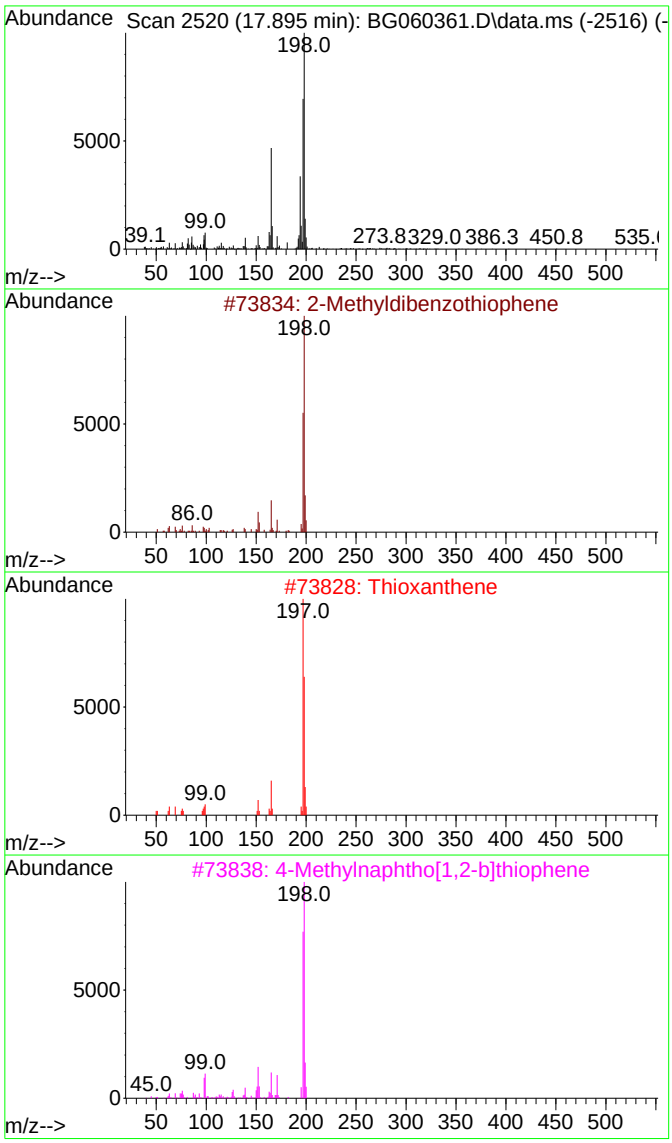
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

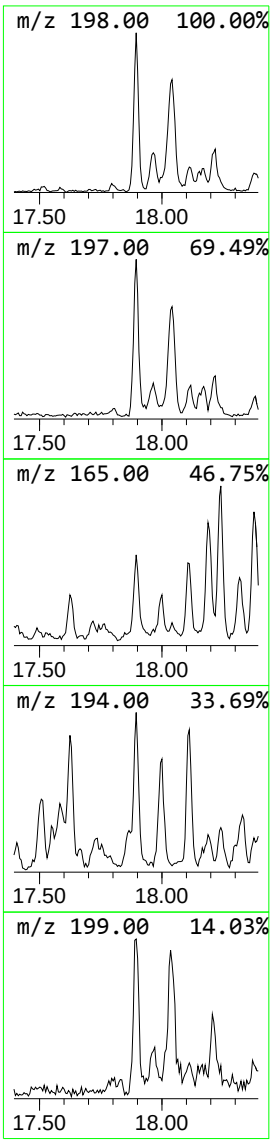
****

Peak Number 5 2-Methyldibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.895	3.92 ng	772354	Phenanthrene-d10	17.313

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	83
2	Thioxanthene	198	C13H10S	000261-31-4	58
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	53
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	50
5	Tacrine	198	C13H14N2	000321-64-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

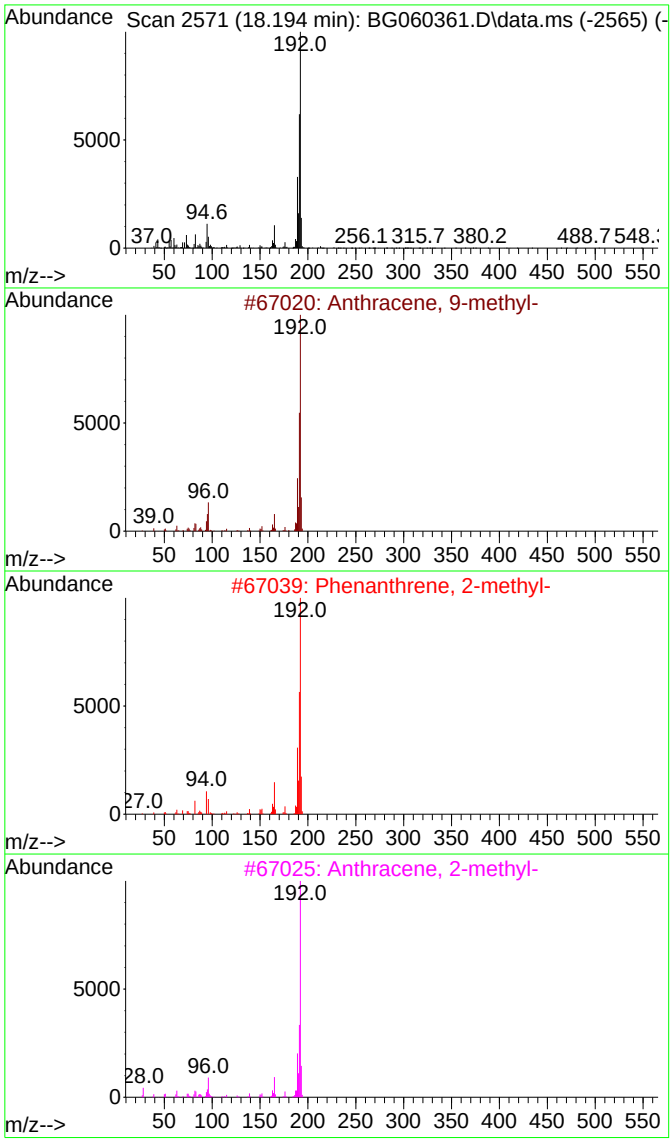
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

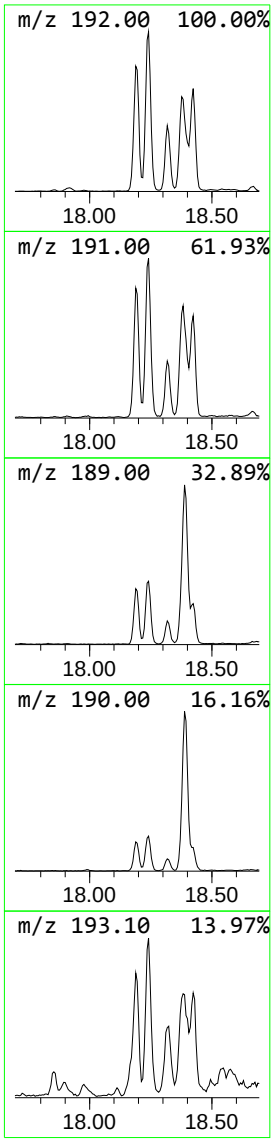
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.194	19.88 ng	3921510	Phenanthrene-d10	17.313

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

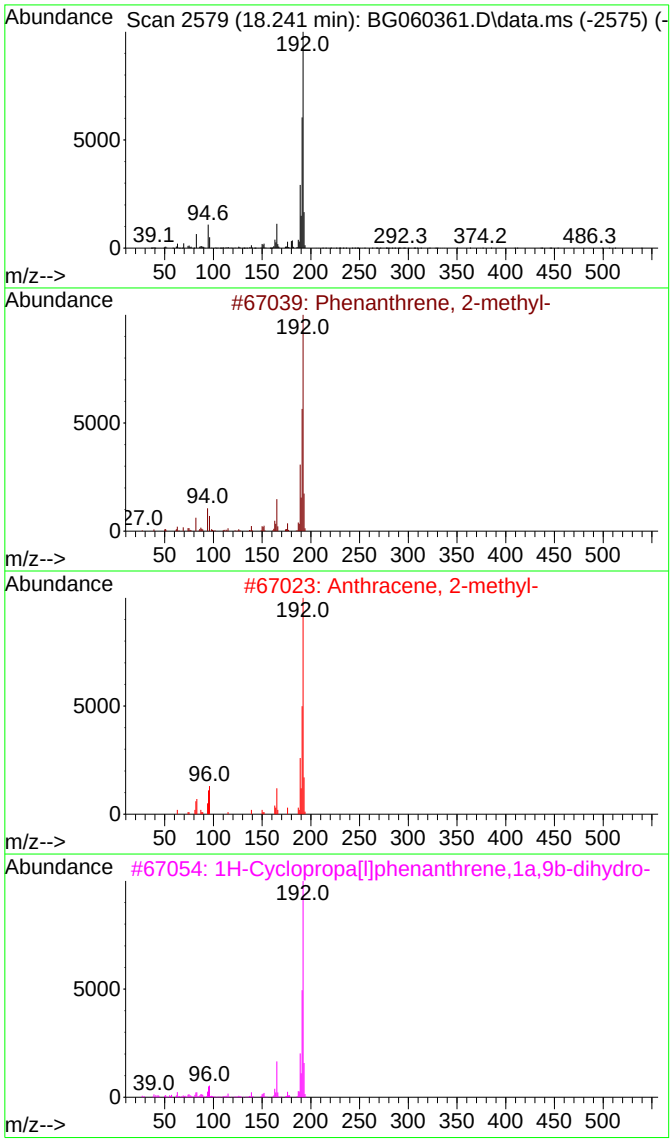
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

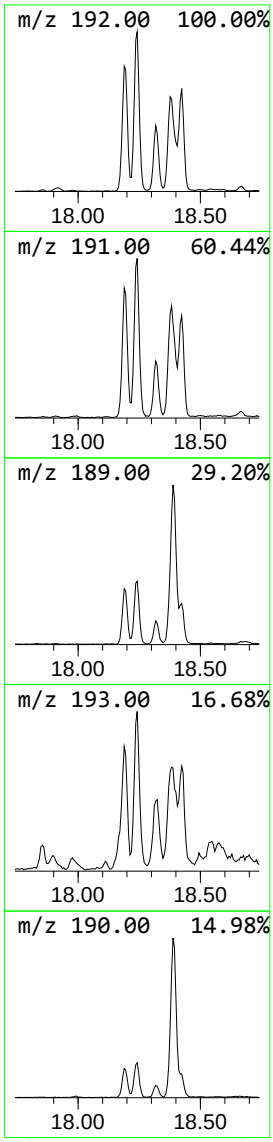
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.241	20.72 ng	4087780	Phenanthrene-d10	17.313

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

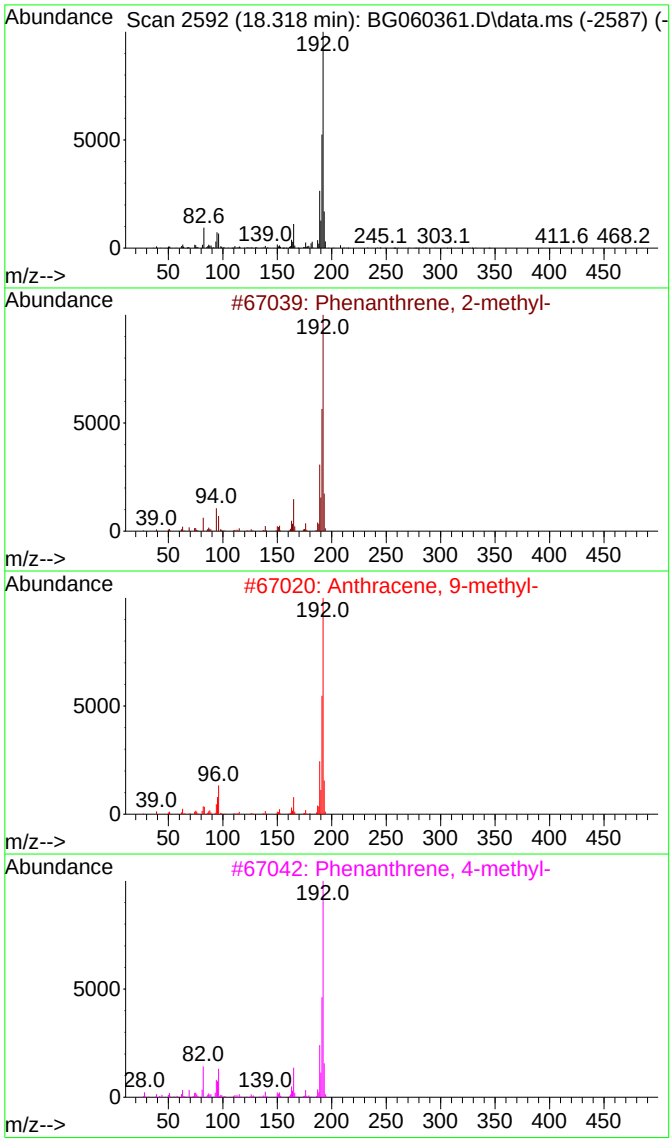
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

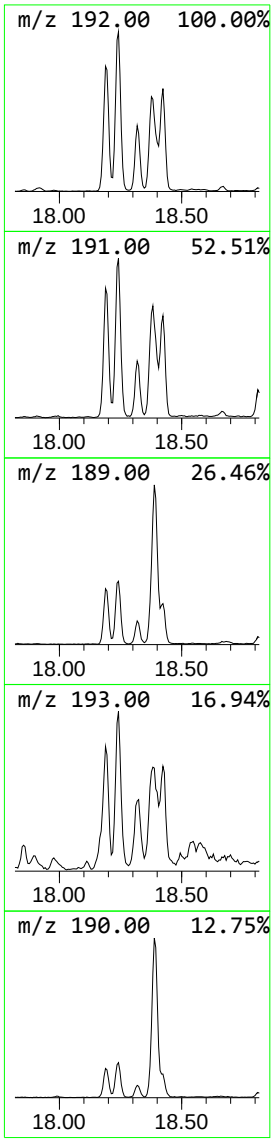
****

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.318	7.78 ng	1534450	Phenanthrene-d10	17.313

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

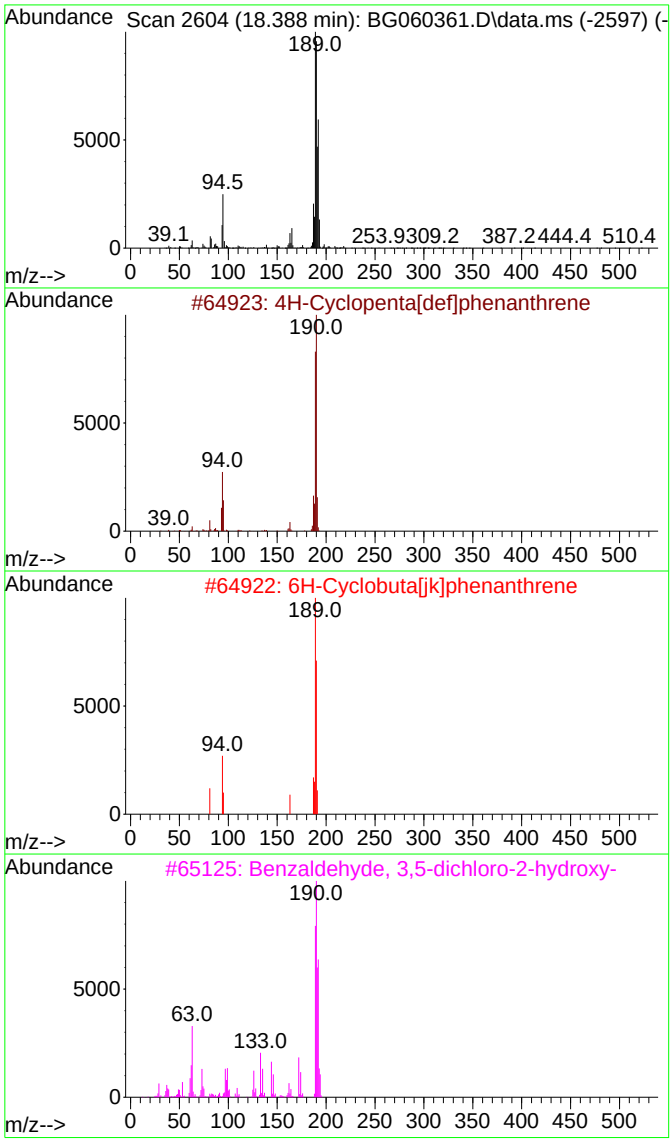
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

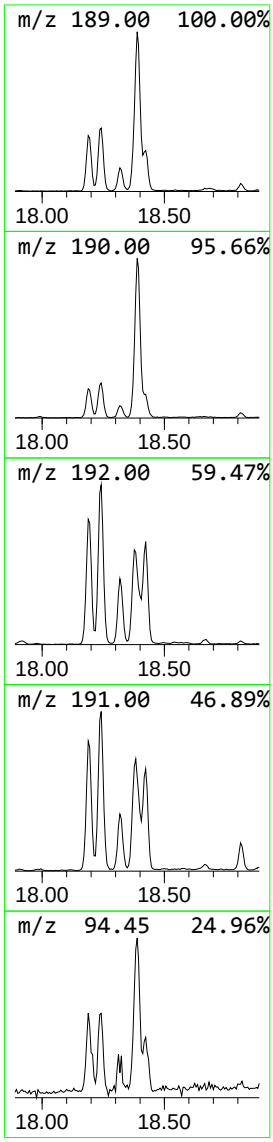
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.388	30.22 ng	5962630	Phenanthrene-d10	17.313

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

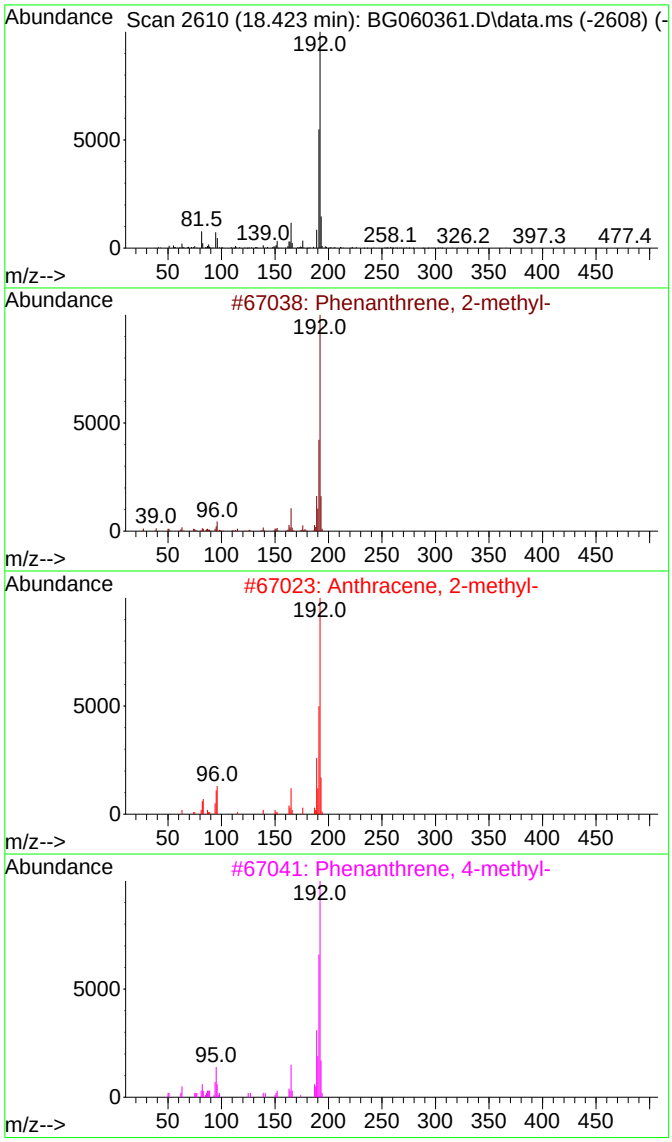
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

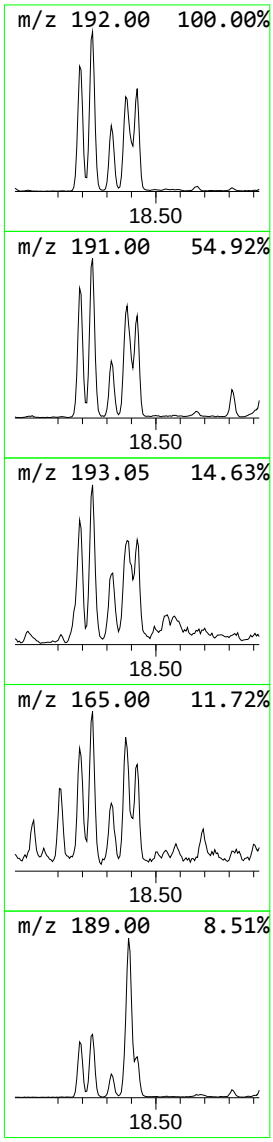
****

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.423	9.46 ng	1865360	Phenanthrene-d10	17.313

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

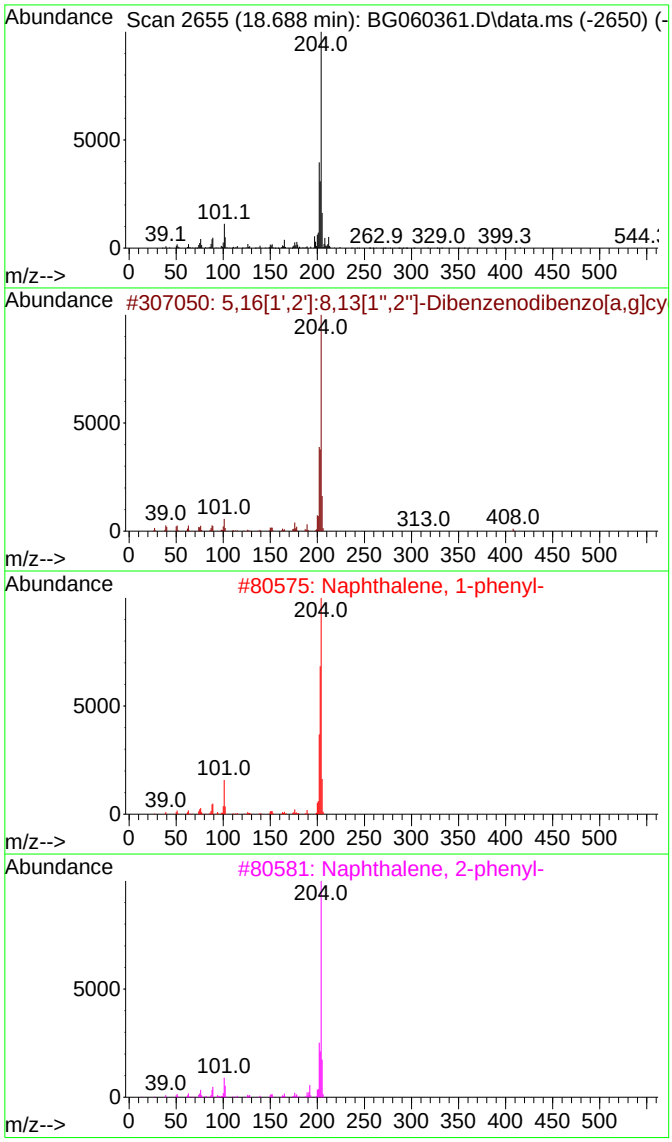
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

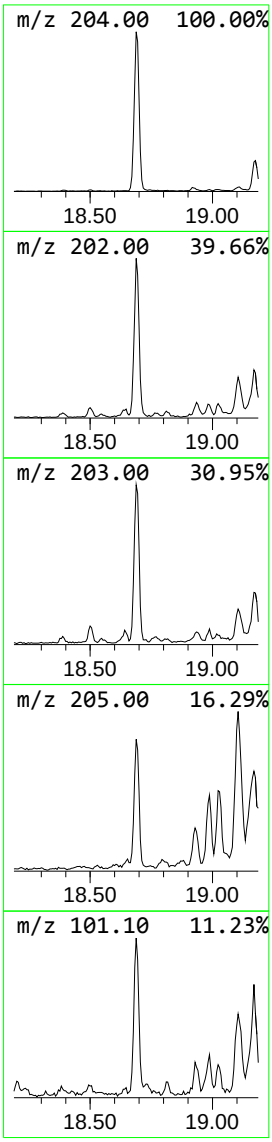
****

Peak Number 11 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.688	10.80 ng	2129880	Phenanthrene-d10	17.313

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

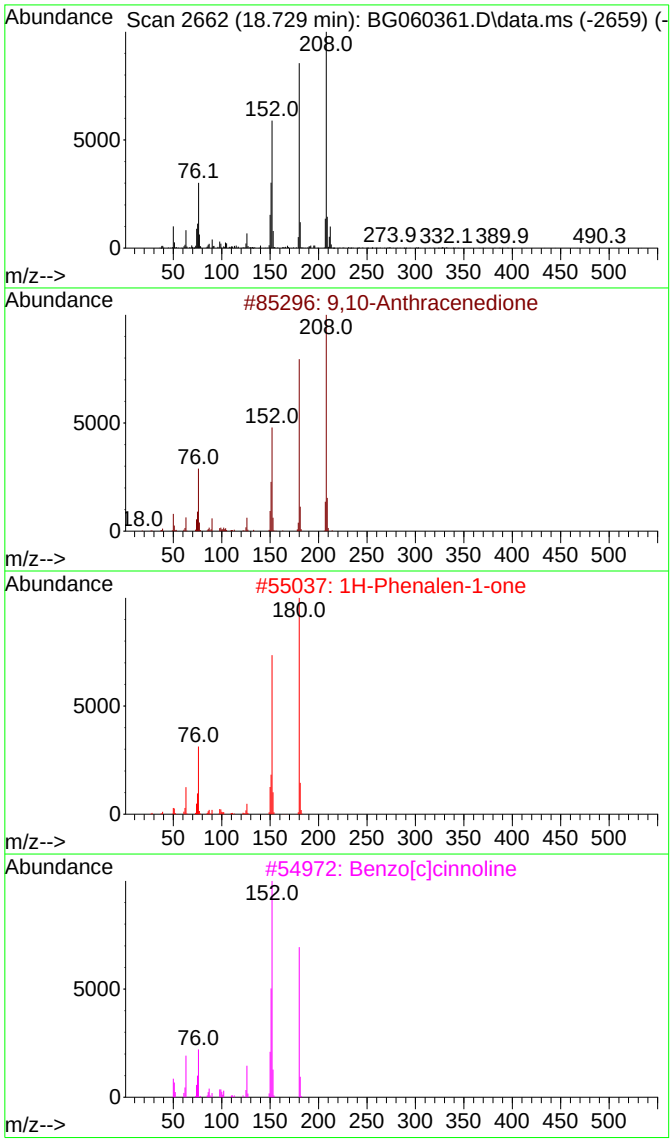
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

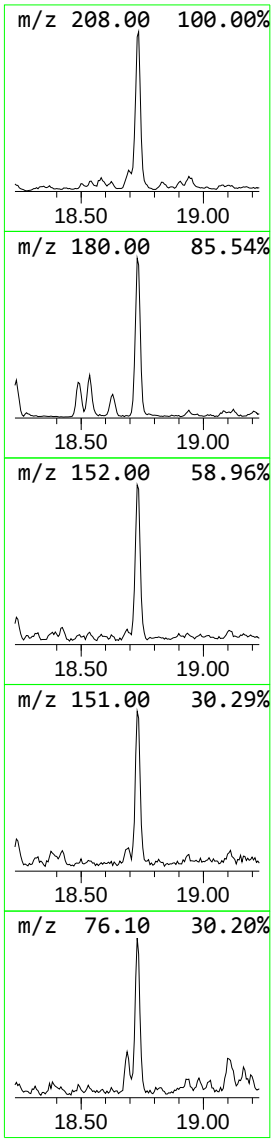
****

Peak Number 12 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.729	9.22 ng	1818750	Phenanthrene-d10	17.313

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
4	2,5-Cyclohexadiene-1,4-dione, 2,...	208	C6H2Cl2O4	000087-88-7	50
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

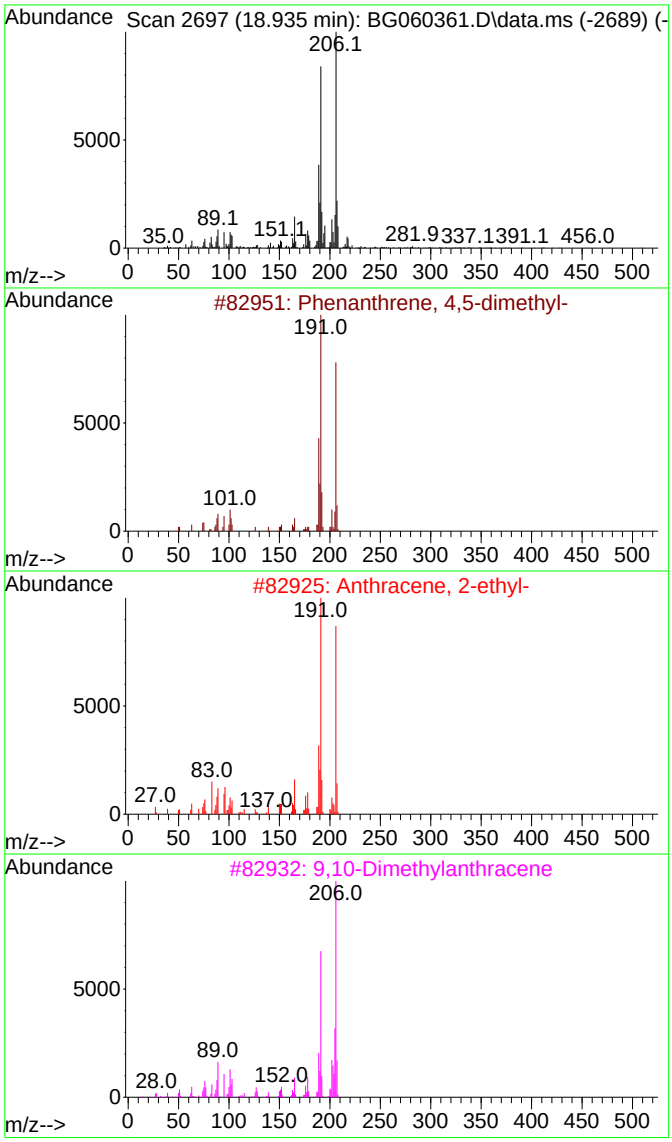
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

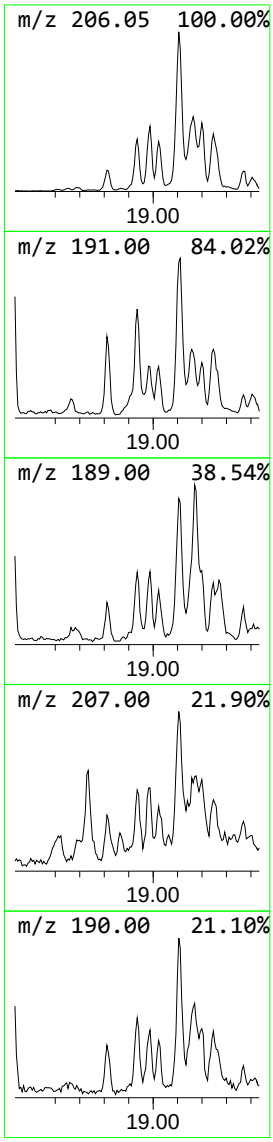
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 4,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.935	5.91 ng	1165370	Phenanthrene-d10	17.313

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

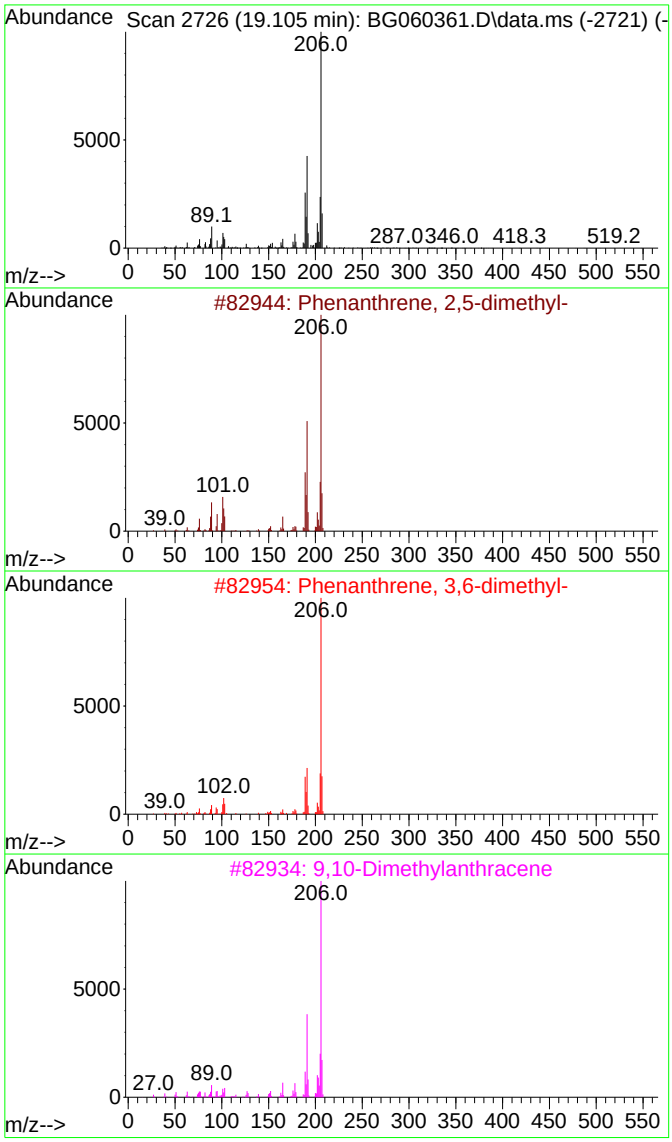
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

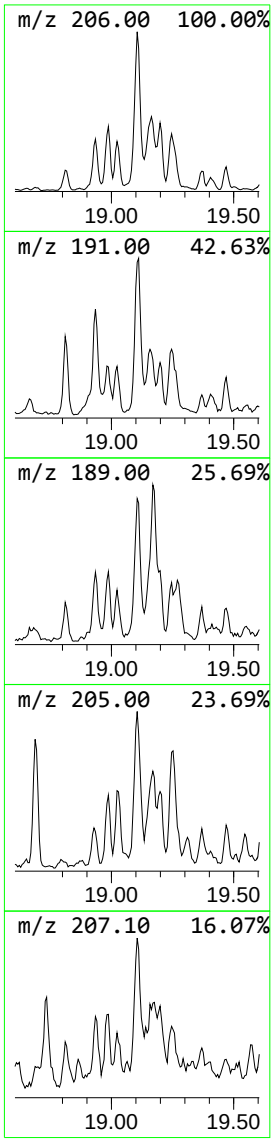
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.105	12.78 ng	2522110	Phenanthrene-d10	17.313

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

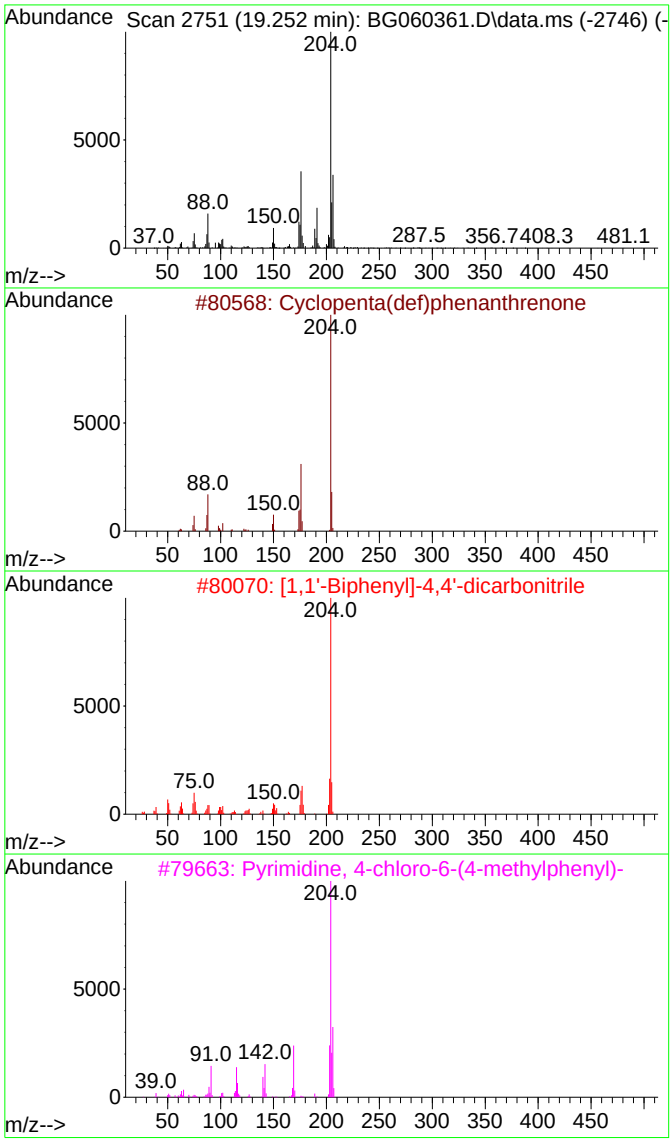
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

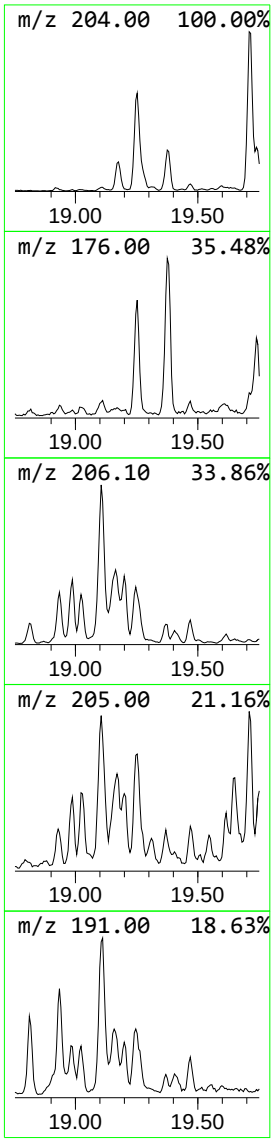
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.252	10.37 ng	2045260	Phenanthrene-d10	17.313

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	50
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

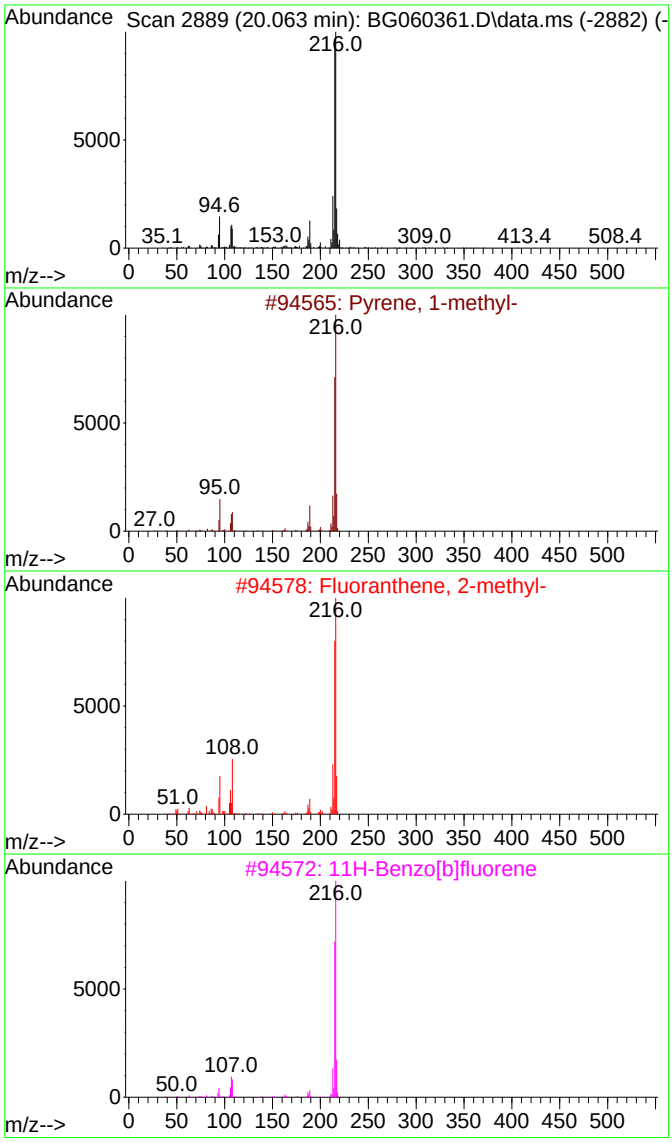
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

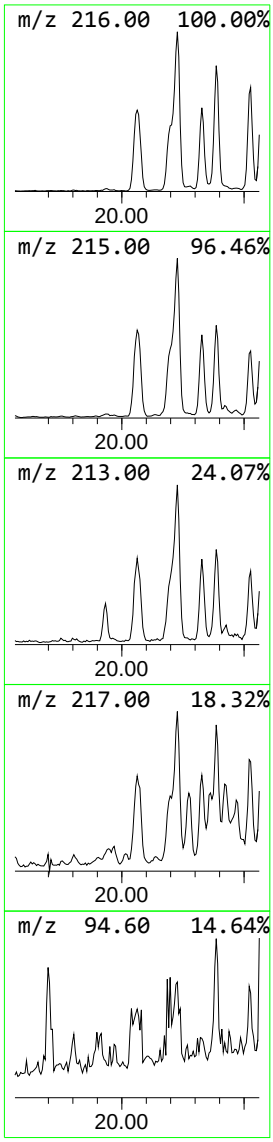
****

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.063	3.87 ng	3492570	Chrysene-d12	21.584

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

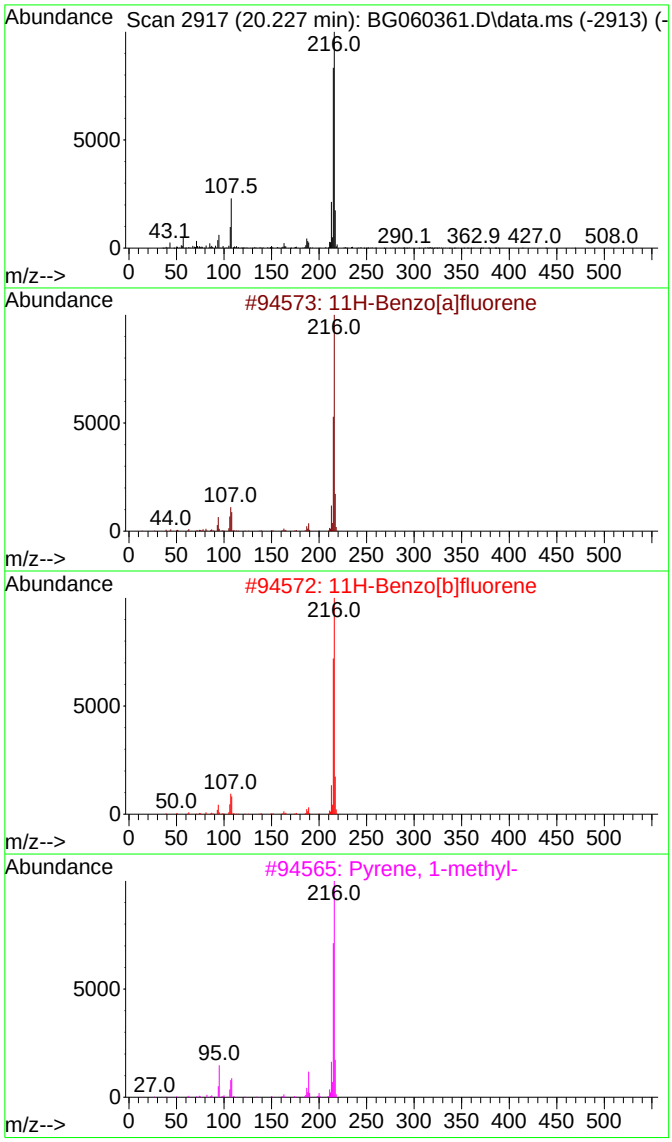
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

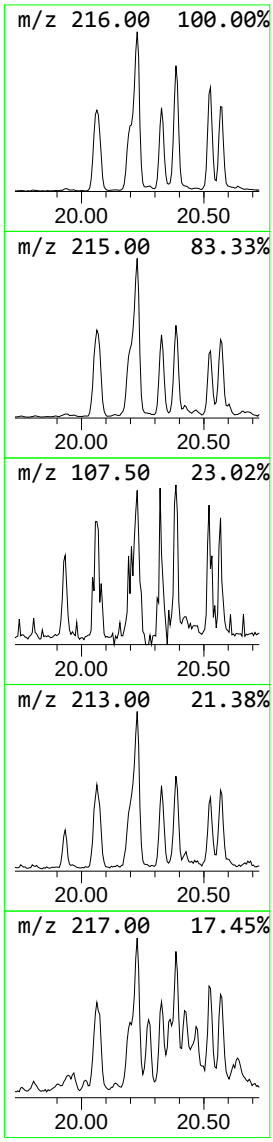
****

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.227	3.80 ng	3435780	Chrysene-d12	21.584

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

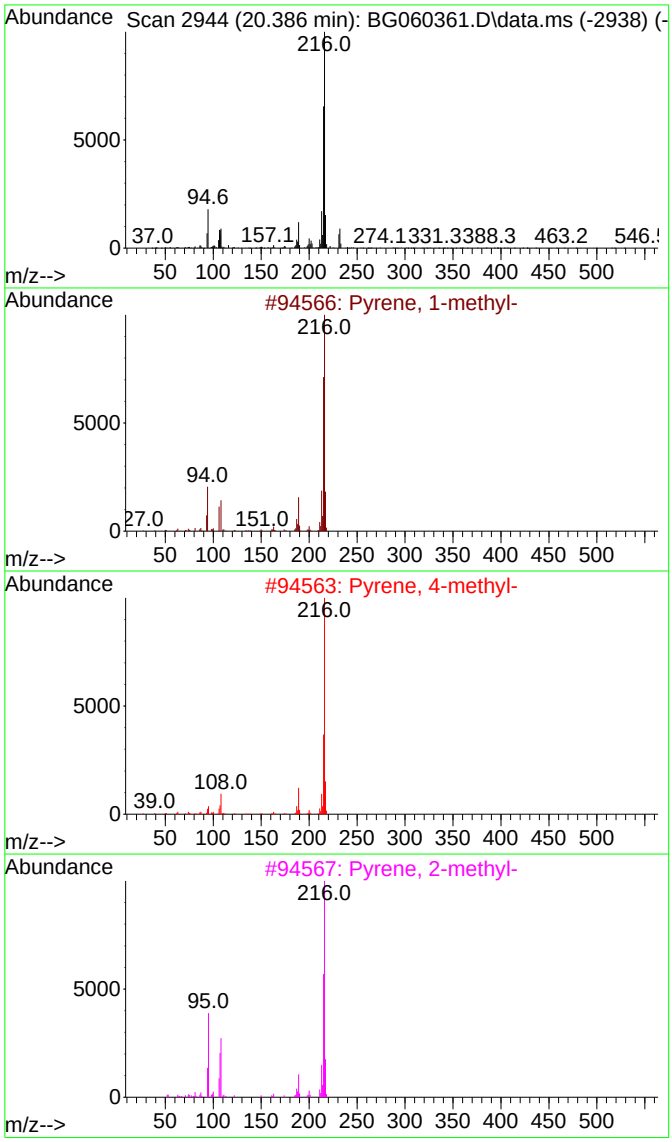
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

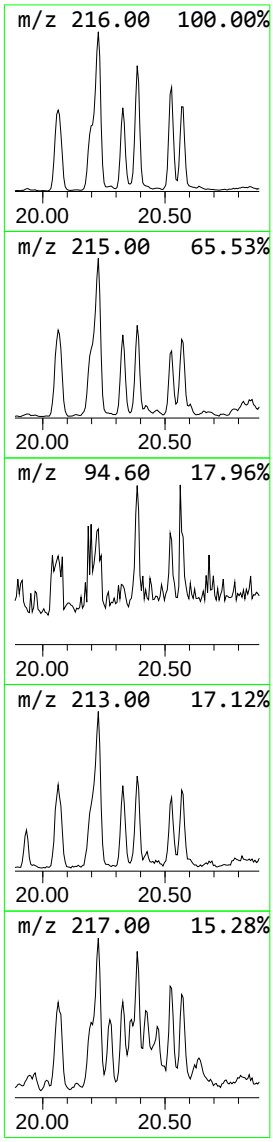
****

Peak Number 18 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.386	3.39 ng	3059680	Chrysene-d12	21.584

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

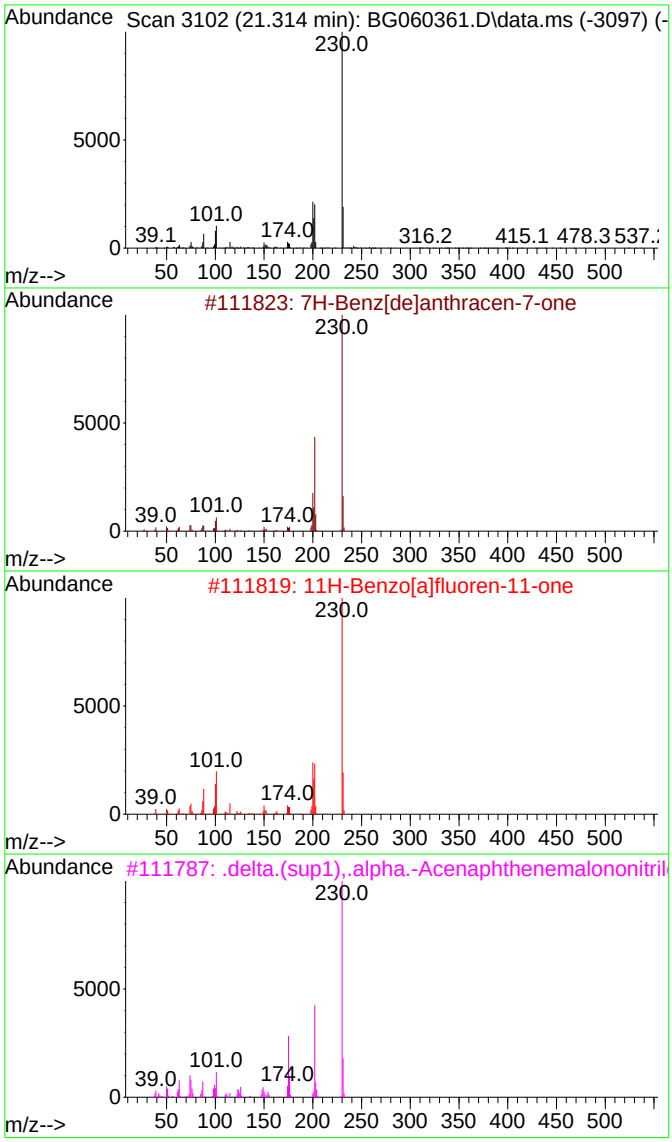
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

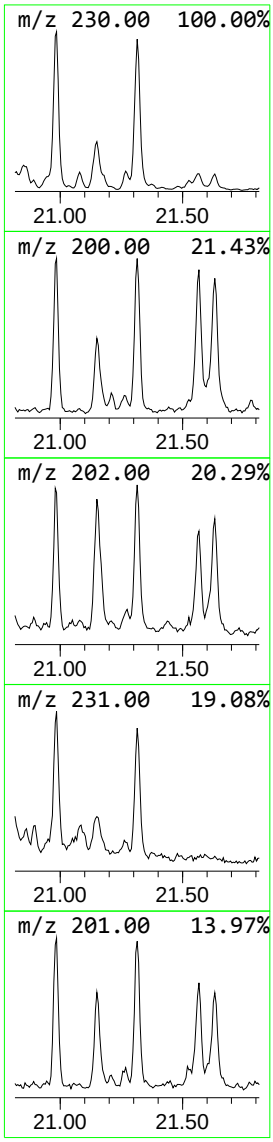
****

Peak Number 19 7H-Benz[de]anthracen-7-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.314	3.44 ng	3110600	Chrysene-d12	21.584

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	94
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
3	.delta.(sup1),.alpha.-Acenaphthe...	230	C15H6N2O	014619-86-4	59
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53
5	o-Terphenyl	230	C18H14	000084-15-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

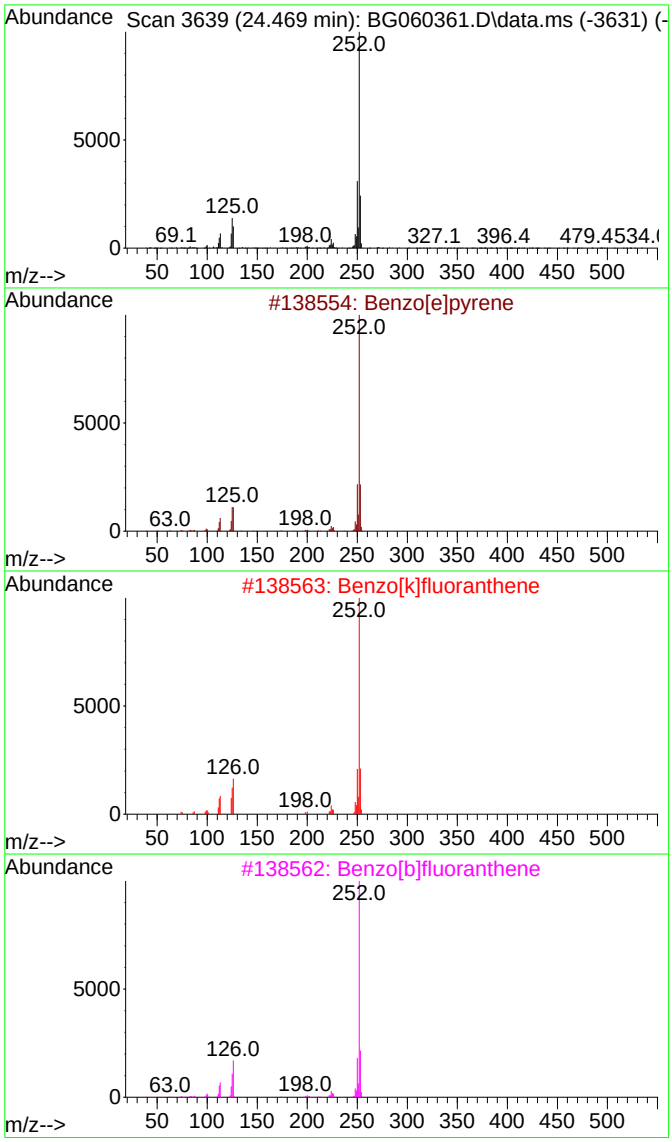
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

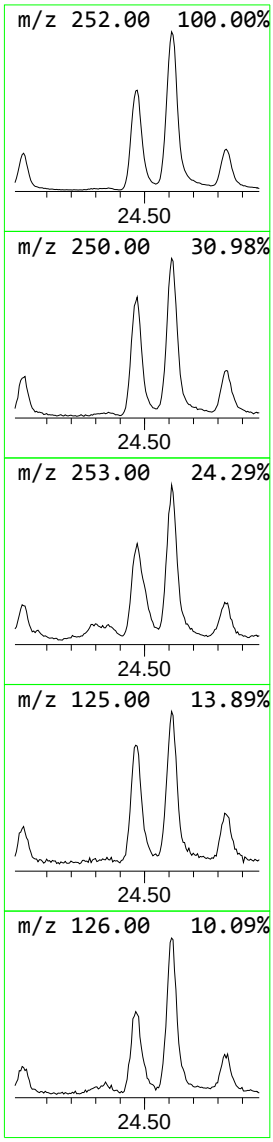
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.469	76.42 ng	6842630	Perylene-d12	24.757

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
Data File : BG060361.D
Acq On : 18 Jan 2024 20:53
Operator : MA/JU
Sample : P1169-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.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
unknown3.118	3.118	5.2	ng	436483	1	7.930	1679040	20.0
9H-Fluoren-9-ol	15.903	4.2	ng	751106	3	14.563	3611630	20.0
9H-Fluoren-9-one	16.966	6.1	ng	1208640	4	17.313	3945540	20.0
Dibenzothiophene	17.131	6.4	ng	1263090	4	17.313	3945540	20.0
2-Methyldibenzo...	17.895	3.9	ng	772354	4	17.313	3945540	20.0
Anthracene, 9-m...	18.194	19.9	ng	3921510	4	17.313	3945540	20.0
Phenanthrene, 2...	18.241	20.7	ng	4087780	4	17.313	3945540	20.0
Phenanthrene, 4...	18.318	7.8	ng	1534450	4	17.313	3945540	20.0
4H-Cyclopenta[d...	18.388	30.2	ng	5962630	4	17.313	3945540	20.0
Anthracene, 2-m...	18.423	9.5	ng	1865360	4	17.313	3945540	20.0
5,16[1',2']:8,1...	18.688	10.8	ng	2129880	4	17.313	3945540	20.0
9,10-Anthracene...	18.729	9.2	ng	1818750	4	17.313	3945540	20.0
Phenanthrene, 4...	18.935	5.9	ng	1165370	4	17.313	3945540	20.0
Phenanthrene, 2...	19.105	12.8	ng	2522110	4	17.313	3945540	20.0
Cyclopenta(def)...	19.252	10.4	ng	2045260	4	17.313	3945540	20.0
Pyrene, 1-methyl-	20.063	3.9	ng	3492570	5	21.584	18061700	20.0
11H-Benzo[a]flu...	20.227	3.8	ng	3435780	5	21.584	18061700	20.0
Pyrene, 4-methyl-	20.386	3.4	ng	3059680	5	21.584	18061700	20.0
7H-Benz[de]anth...	21.314	3.4	ng	3110600	5	21.584	18061700	20.0
Benzo[e]pyrene	24.469	76.4	ng	6842630	6	24.757	1790710	20.0