LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

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: BG060377.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.117	3	5	11	rVB	108262	134436	1.13%	0.105%
2	5.502	405	411	428	rBV	570292	1017182	8.58%	0.792%
3	7.094	674	682	691	rBV	548431	1011317	8.53%	0.787%
4	7.929	816	824	833	rBV	830328	1485155	12.53%	1.156%
5	9.092	1016	1022	1030	rBV	357580	679917	5.74%	0.529%
6	10.731	1290	1301	1306	rBV	1138282	2164231	18.26%	1.685%
7	10.784	1306	1310	1317	rVB	584105	1015876	8.57%	0.791%
8	12.147	1536	1542	1548	rVB	83198	126028	1.06%	0.098%
9	12.394	1577	1584	1592	rVB	495906	852692	7.20%	0.664%
10	12.611	1611	1621	1632	rBV	402454	745642	6.29%	0.581%
11	13.187	1712	1719	1728	rBV	1094446	1682380	14.20%	1.310%
12	13.387	1746	1753	1761	rBV2	167636	348091	2.94%	0.271%
13	13.592	1784	1788	1799	rVB2	65398	169840	1.43%	0.132%
14	13.739	1801	1813	1822	rBV3	197585	580574	4.90%	0.452%
15	13.886	1830	1838	1843	rBV	337598	603164	5.09%	0.470%
16	13.945	1843	1848	1854	rVV	211589	358860	3.03%	0.279%
17	14.121	1874	1878	1882	rBV	143946	227137	1.92%	0.177%
18	14.292	1902	1907	1915	rBV	181078	310661	2.62%	0.242%
19	14.456	1930	1935	1942	rBV	163645	245792	2.07%	0.191%
20	14.568	1943	1954	1960	rVV	2023316	3254304	27.46%	2.534%
21	14.632	1960	1965	1972	rVV	795907	1285846	10.85%	1.001%
22	14.779	1985	1990	1997	rVB3	75825	168360	1.42%	0.131%
23	14.967	2016	2022	2028	rVB	596695	936203	7.90%	0.729%
24	15.038	2030	2034	2038	rVB	119575	165087	1.39%	0.129%
25	15.185	2053	2059	2064	rBV4	110691	202519	1.71%	0.158%
26	15.238	2064	2068	2074	rVB	109270	153584	1.30%	0.120%
27	15.355	2080	2088	2091	rBV2	91804	202874	1.71%	0.158%
28	15.408	2091	2097	2101	rVB2	179994	292042	2.46%	0.227%
29	15.614	2126	2132	2143	rVB	1230864	1931863	16.30%	1.504%
30	15.778	2156	2160	2164	rBV3	93046	130382	1.10%	0.102%
31	15.907	2178	2182	2189	rVB	230618	369508	3.12%	0.288%
32	16.054	2199	2207	2215	rBV	997028	1670782	14.10%	1.301%
33	16.272	2239	2244	2253	rBV2	217244	519360	4.38%	0.404%
34	16.618	2294	2303	2308	rBV3	262505	590682	4.98%	0.460%
35	16.671	2308	2312	2317	rVB2	175538	263233	2.22%	0.205%
36	16.771	2324	2329	2334	rVB	144636	231414	1.95%	0.180%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

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	16.847	2334	2342	2345	rBV4	116013	257281	2.17%	0.200%
38	16.889	2346	2349	2358	rVV3	119582	271123	2.29%	0.211%
39	16.965	2359	2362	2369	rVV3	135822	250052	2.11%	0.195%
40	17.059	2372	2378	2382	rVV2	238854	456845	3.86%	0.356%
41	17.135	2385	2391	2399	rVB	458552	857869	7.24%	0.668%
42	17.318	2416	2422	2425	rBV	2379555	3612231	30.48%	2.813%
43	17.359	2425	2429	2436	rVV	6297123	9744337	82.23%	7.587%
44	17.447	2439	2444	2449	rVV	1701775	2527142	21.33%	1.968%
45	17.506	2450	2454	2460	rVB3	140748	254047	2.14%	0.198%
46	17.594	2465	2469	2472	rBV6	71233	119096	1.00%	0.093%
47	17.717	2486	2490	2500	rVV	442226	717477	6.05%	0.559%
48	17.805	2501	2505	2507	rVV2	169869	195640	1.65%	0.152%
49	17.835	2507	2510	2515	rVV3	126279	177219	1.50%	0.138%
50	17.899	2517	2521	2528	rVB	255383	410353	3.46%	0.320%
51	17.976	2530	2534	2540	rVB2	283738	381962	3.22%	0.297%
52	18.040	2540	2545	2551	rBV	162275	313085	2.64%	0.244%
53	18.193	2566	2571	2575	rBV	993312	1494109	12.61%	1.163%
54	18.240	2575	2579	2585	rVB	1254852	1912238	16.14%	1.489%
55	18.322	2587	2593	2598	rBV	419208	695212	5.87%	0.541%
56	18.387	2598	2604	2608	rVV4	1513135	2739627	23.12%	2.133%
57	18.428	2608	2611	2618	rVB	653171	894533	7.55%	0.697%
58	18.498	2619	2623	2626	rBV3	211071	262504	2.22%	0.204%
59	18.692	2651	2656	2660	rBV	602233	874857	7.38%	0.681%
60	18.733	2660	2663	2674	rVB3	339640	583341	4.92%	0.454%
61	18.939	2695	2698	2702	rVB	191069	226938	1.92%	0.177%
62	18.986	2703	2706	2710	rVV	307545	421259	3.55%	0.328%
63	19.021	2710	2712	2717	rVB2	251139	318030	2.68%	0.248%
64	19.115	2722	2728	2731	rBV2	1550261	2395676	20.22%	1.865%
65	19.151	2731	2734	2741	rVB4	574065	1006995	8.50%	0.784%
66	19.251	2746	2751	2754	rBV2	358837	632009	5.33%	0.492%
67	19.374	2766	2772	2779	rBV	7911571	11850483	100.00%	9.227%
68	19.433	2779	2782	2785	rVV2	202713	248319	2.10%	0.193%
69	19.468	2785	2788	2793	rVB2	248541	315205	2.66%	0.245%
70	19.527	2795	2798	2801	rVB	119995	148717	1.25%	0.116%
71	19.615	2810	2813	2817	rBV	260452	344043	2.90%	0.268%
72	19.709	2823	2829	2830	rBV	1492023	2066416	17.44%	1.609%
73	19.738	2830	2834	2842	rVV	6993085	10766537	90.85%	8.383%
74	19.809	2842	2846	2852	rVB2	487298	774022	6.53%	0.603%
75	19.932	2861	2867	2871	rVB2	1760398	2390504	20.17%	1.861%
76	19.973	2871	2874	2882	rVB	390702	581355	4.91%	0.453%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

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	20.055	2883	2888	2890	rBV2	543684	978409	8.26%	0.762%
78	20.232	2908	2918	2922	rVB	1422559	2745287	23.17%	2.138%
79	20.326	2930	2934	2938	rBV	1078868	1422153	12.00%	1.107%
80	20.385	2939	2944	2948	rVV2	687372	1082596	9.14%	0.843%
81	20.526	2964	2968	2972	rBV	558335	771622	6.51%	0.601%
82	20.573	2973	2976	2980	rVV	436994	566922	4.78%	0.441%
83	20.984	3043	3046	3054	rVB	385445	650130	5.49%	0.506%
84	21.166	3074	3077	3081	rVB	497543	639848	5.40%	0.498%
85	21.213	3081	3085	3089	rVV	425391	625043	5.27%	0.487%
86	21.260	3089	3093	3098	rVB3	400187	647997	5.47%	0.505%
87	21.571	3139	3146	3152	rBV3	4056185	10210673	86.16%	7.951%
88	21.630	3152	3156	3168	rVB	3011899	5332379	45.00%	4.152%
89	21.777	3177	3181	3187	rVB	593960	953708	8.05%	0.743%
90	23.751	3510	3517	3525	rBV	1586766	5528933	46.66%	4.305%
91	24.609	3657	3663	3677	rVB2	1221135	3599115	30.37%	2.802%
92	24.762	3683	3689	3697	rBV	851976	2056070	17.35%	1.601%

Sum of corrected areas: 128426591

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060377.D
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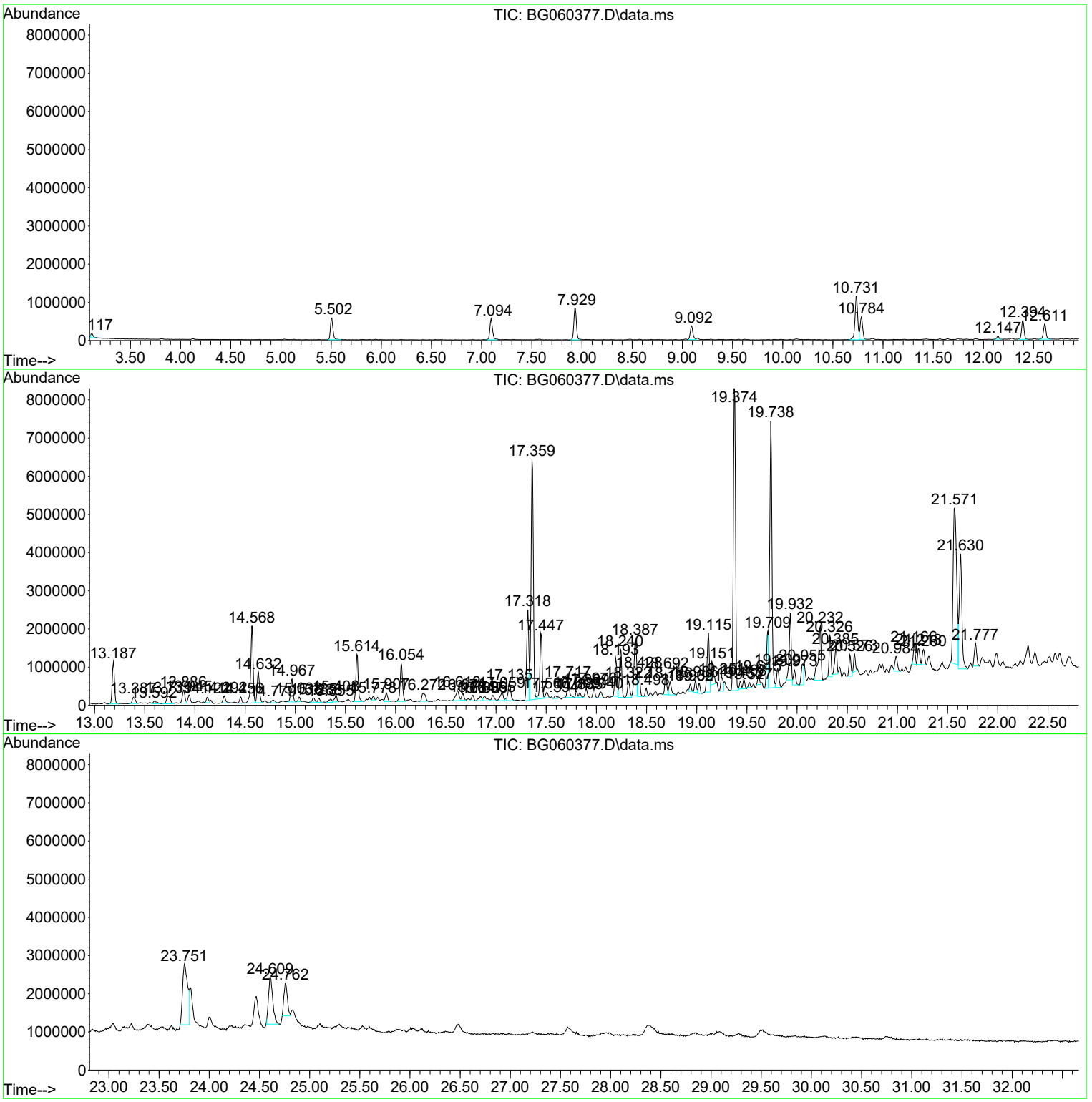
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

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\BG011924\
Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

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

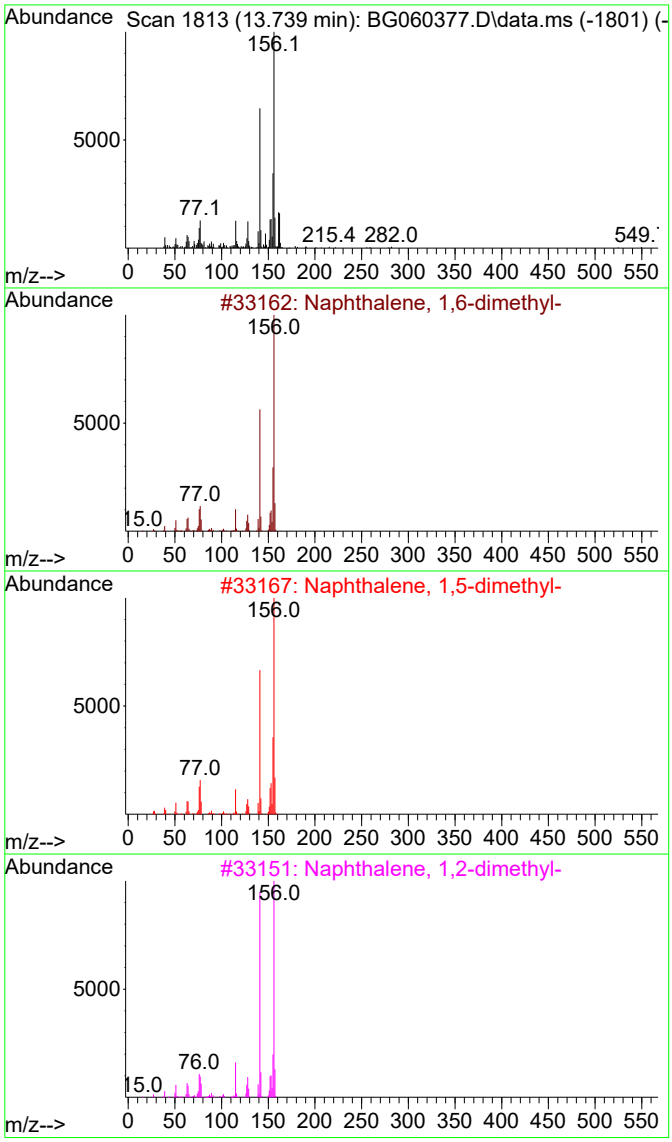
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

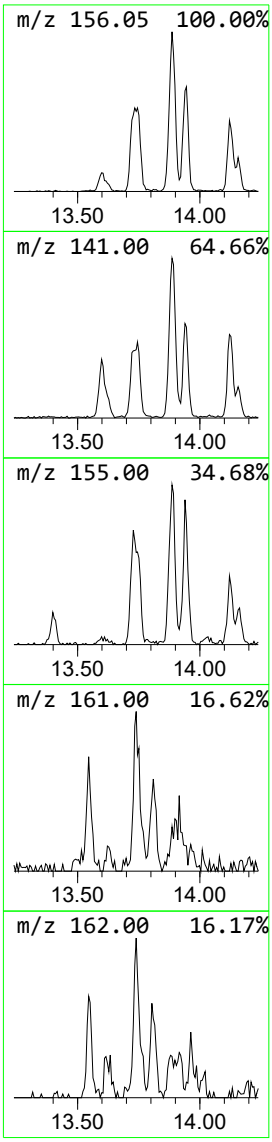
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.739	3.57 ng	580574	Acenaphthene-d10	14.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

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

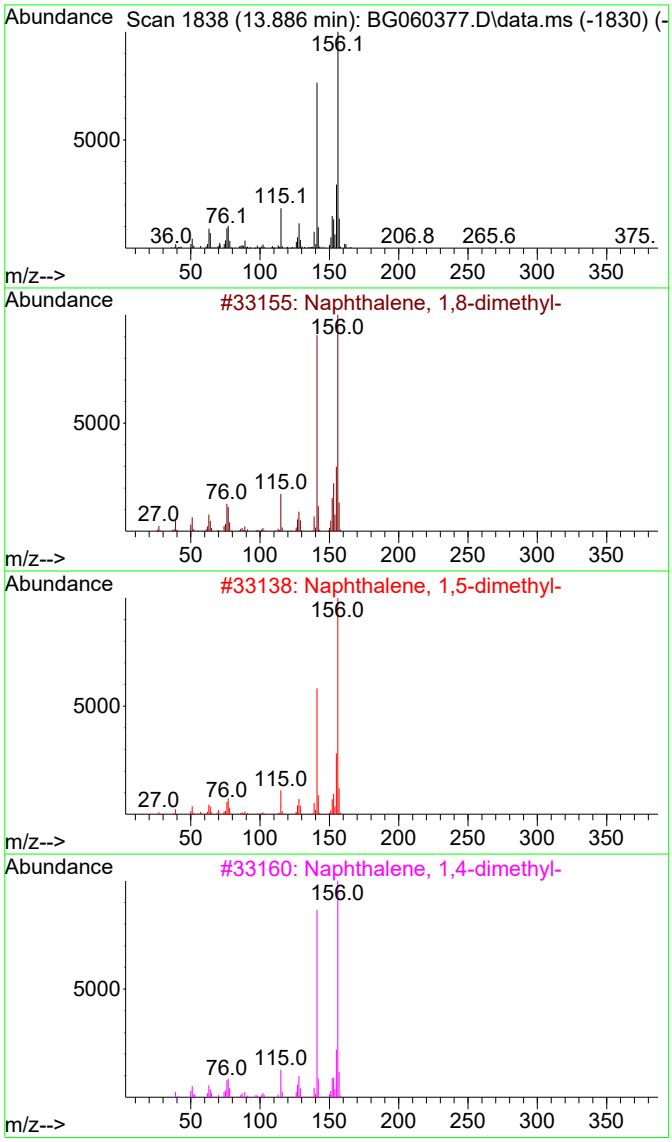
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

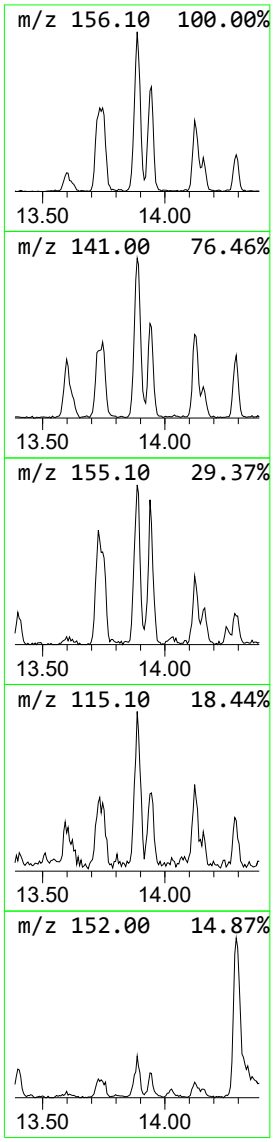
****

Peak Number 2 Naphthalene, 1,8-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	3.71 ng	603164	Acenaphthene-d10	14.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

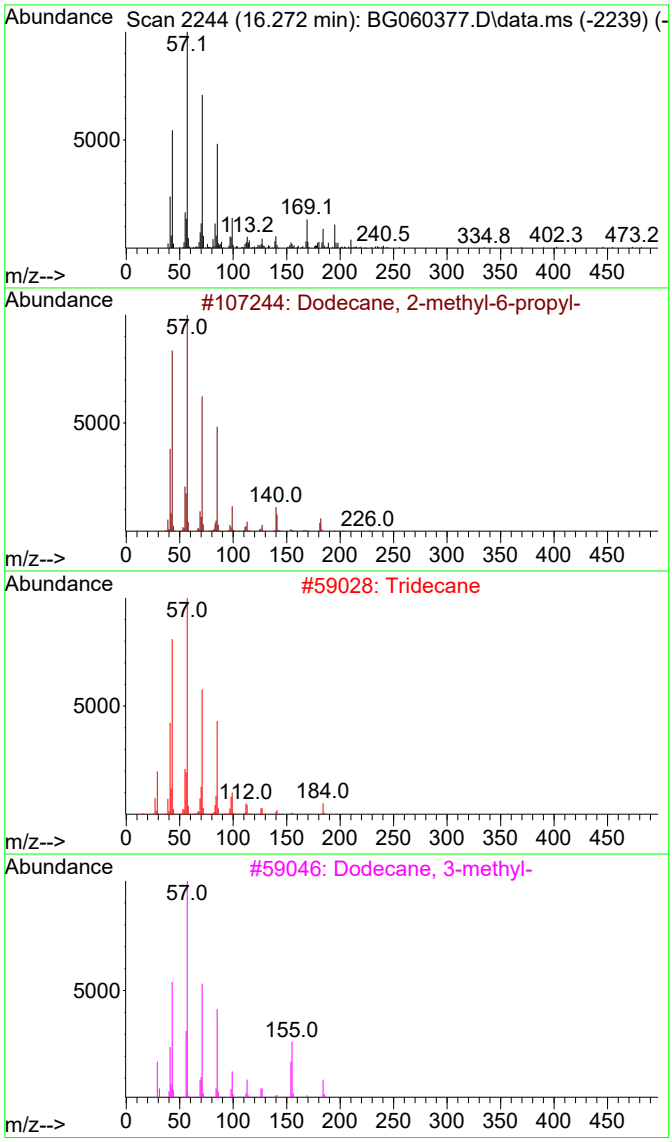
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

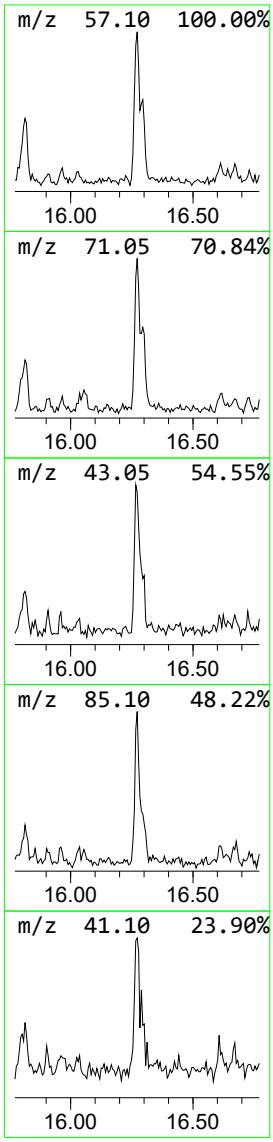
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Dodecane, 2-methyl-6-propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.272	2.88 ng	519360	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	89
2	Tridecane	184	C13H28	000629-50-5	72
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
4	Heptadecane	240	C17H36	000629-78-7	64
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

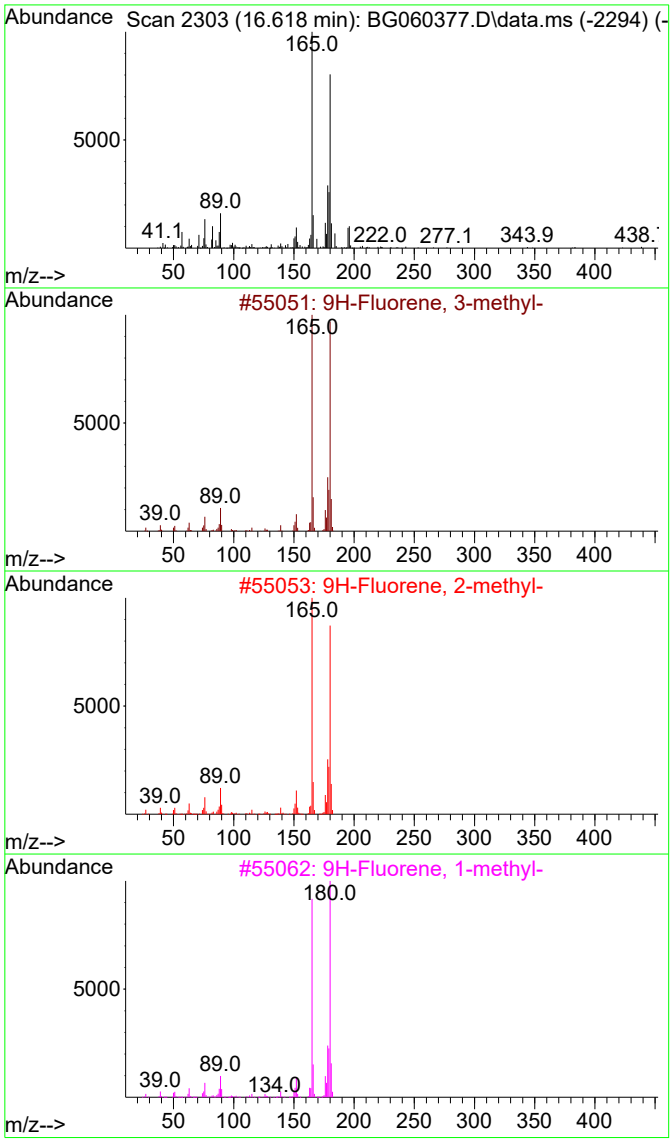
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

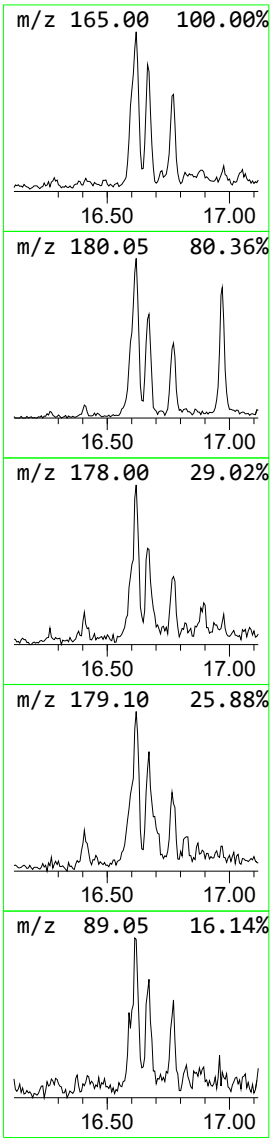
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 9H-Fluorene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.618	3.27 ng	590682	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

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

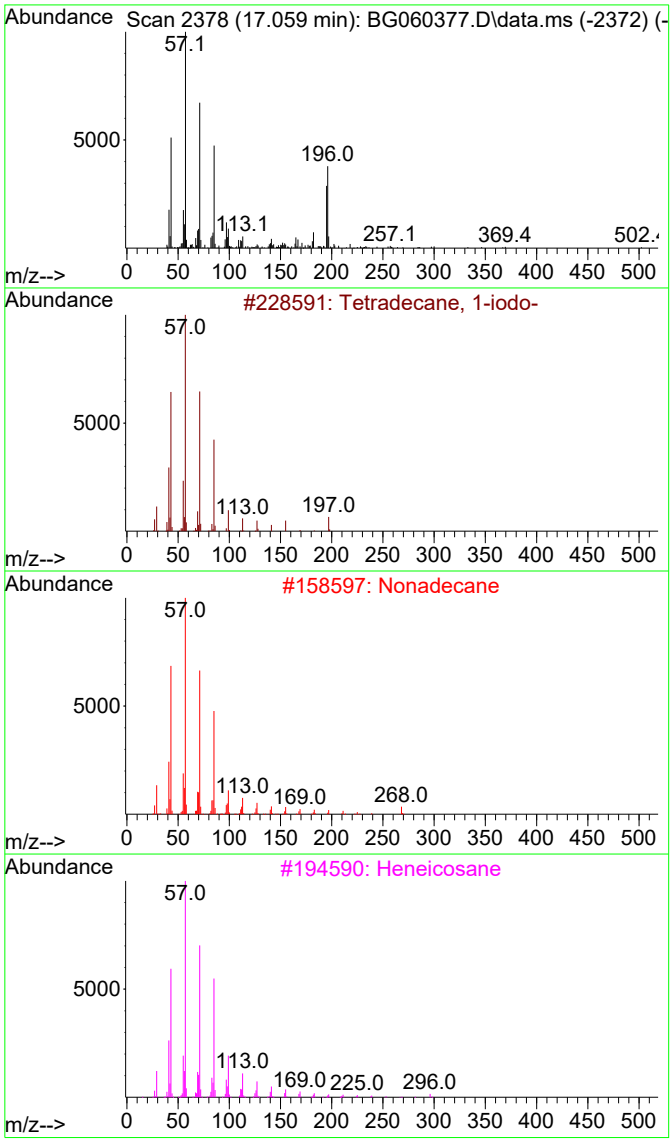
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

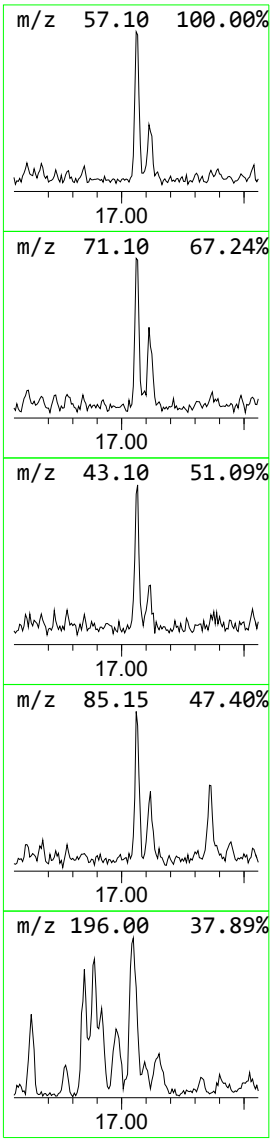
****

Peak Number 5 Tetradecane, 1-iodo- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.059	2.53 ng	456845	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	58
2	Nonadecane	268	C19H40	000629-92-5	52
3	Heneicosane	296	C21H44	000629-94-7	52
4	Heptadecane	240	C17H36	000629-78-7	50
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

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

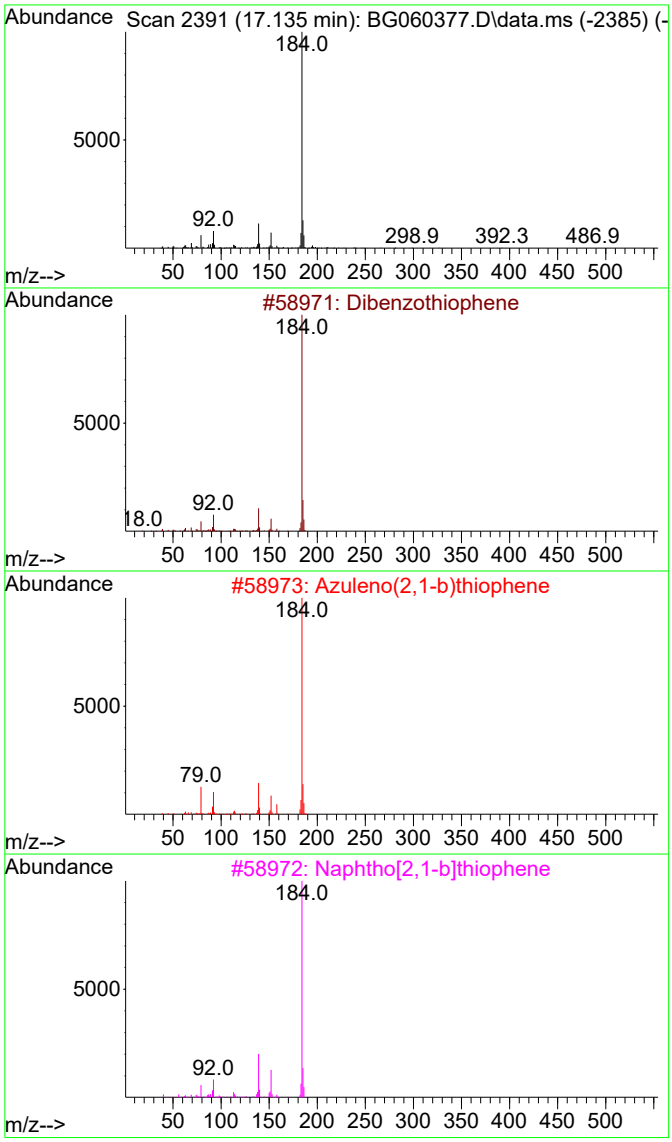
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

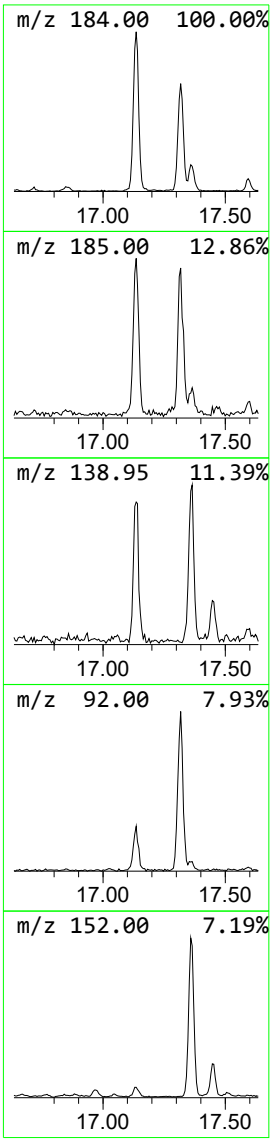
****

Peak Number 6 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.135	4.75 ng	857869	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87





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Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

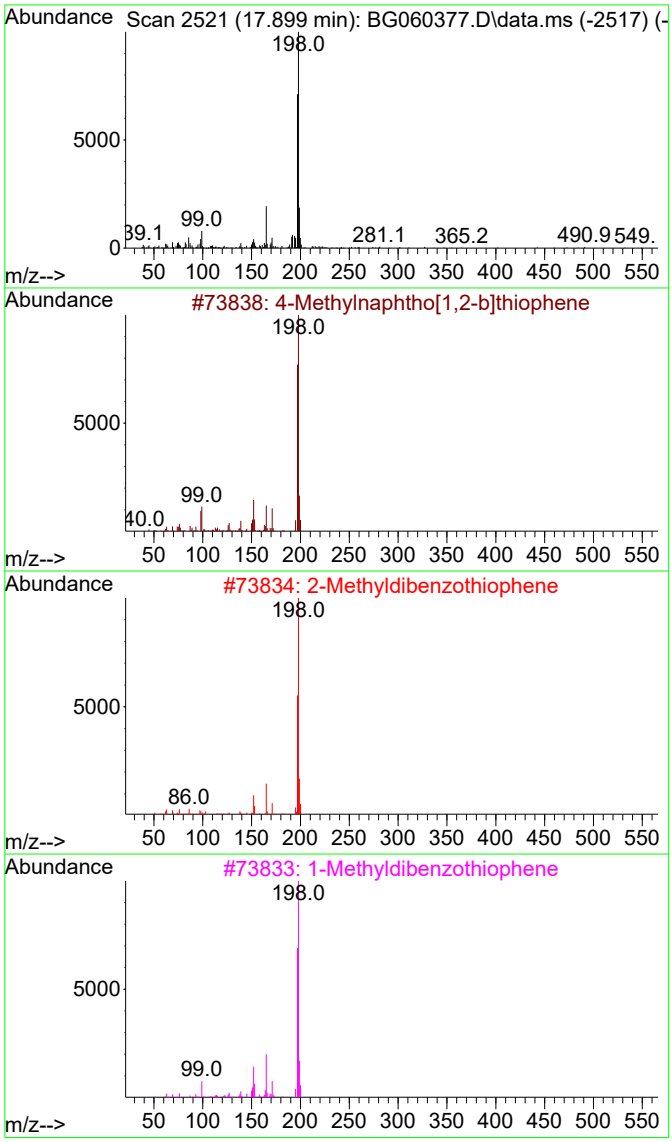
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

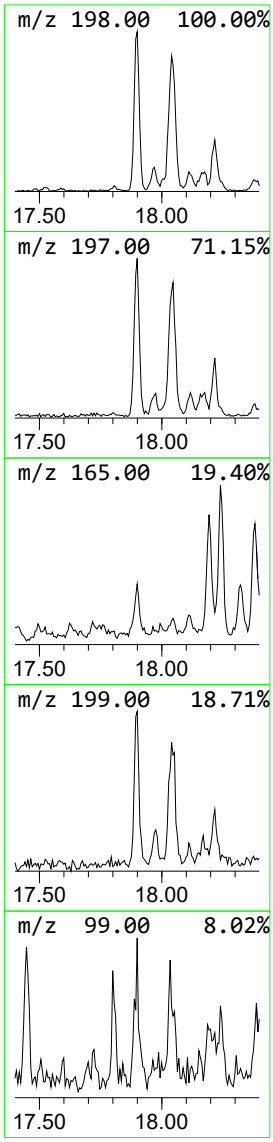
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.899	2.27 ng	410353	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	90
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	68
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





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Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

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

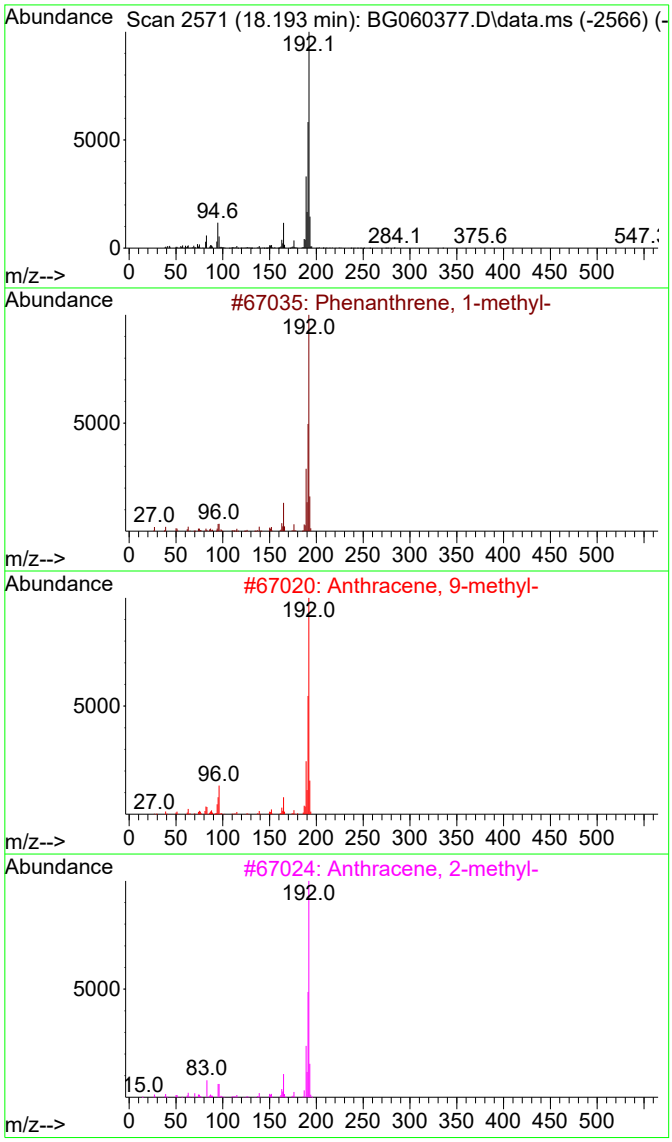
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

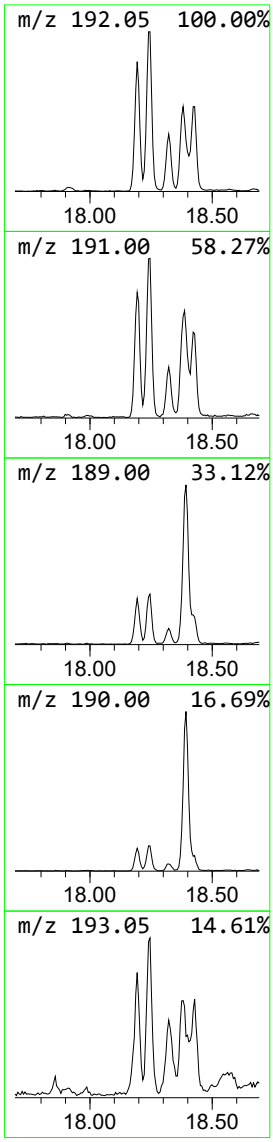
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.193	8.27 ng	1494110	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	81





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Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

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

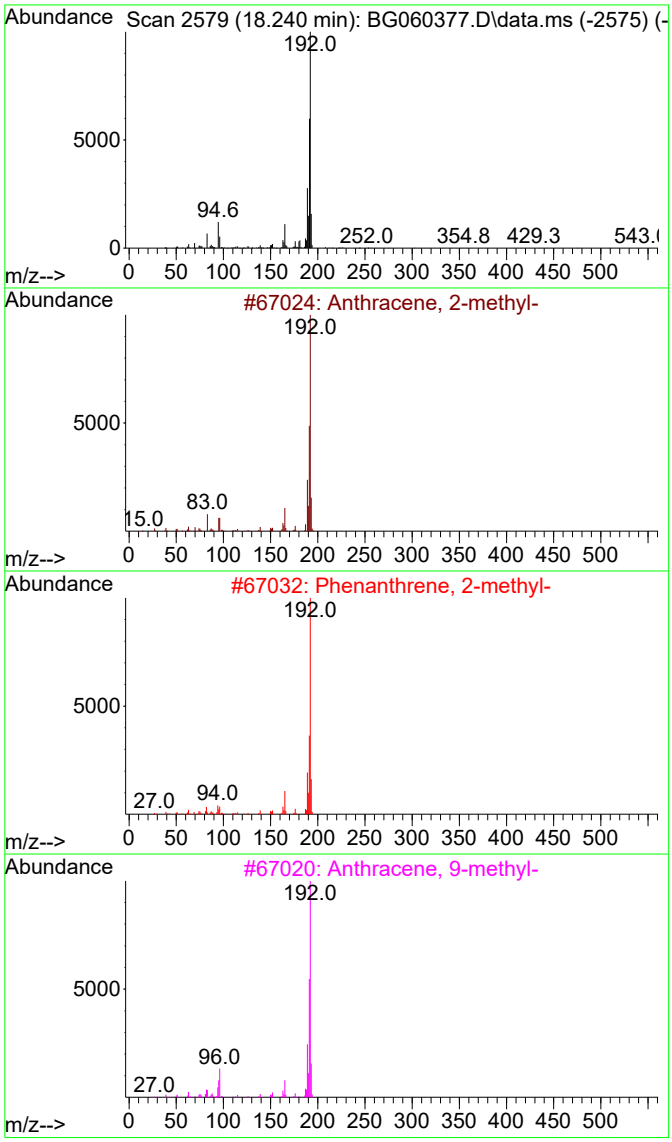
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

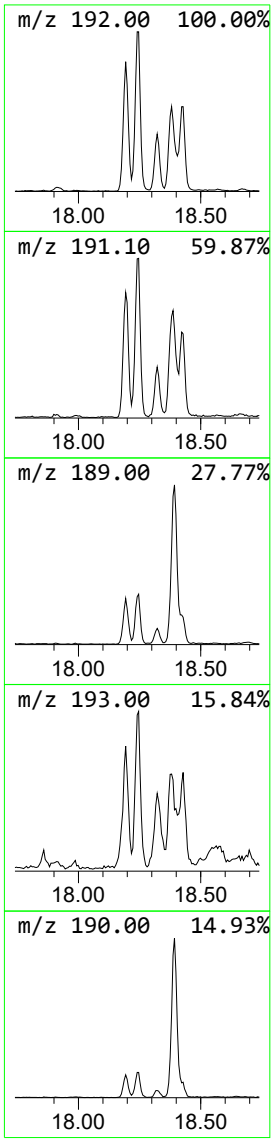
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.240	10.59 ng	1912240	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-011824

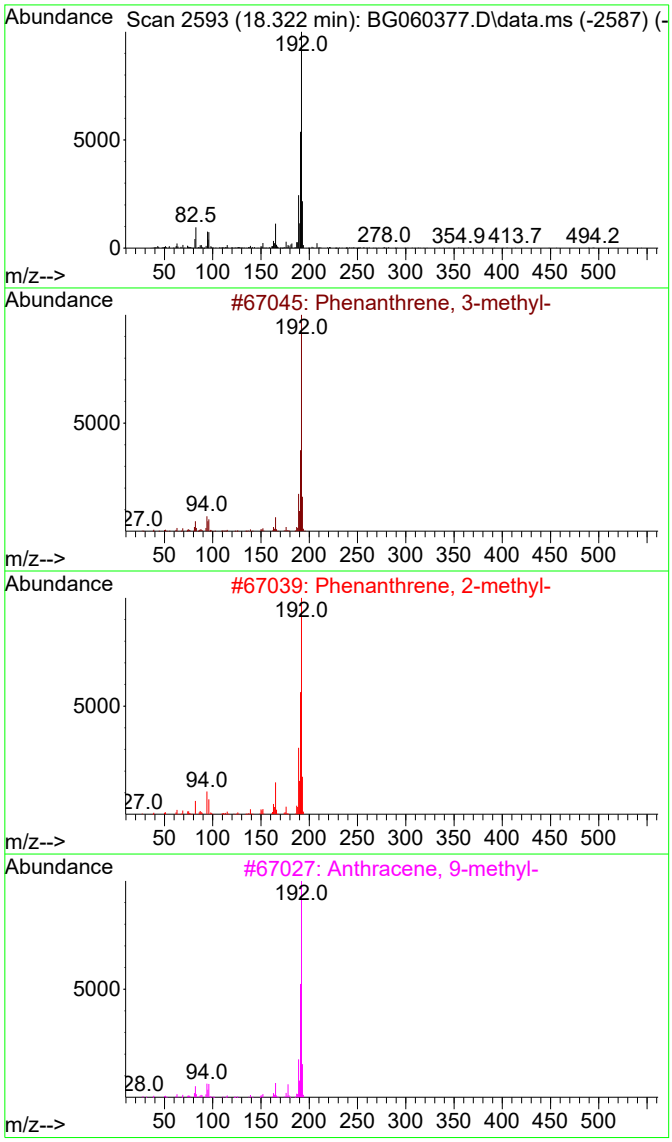
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

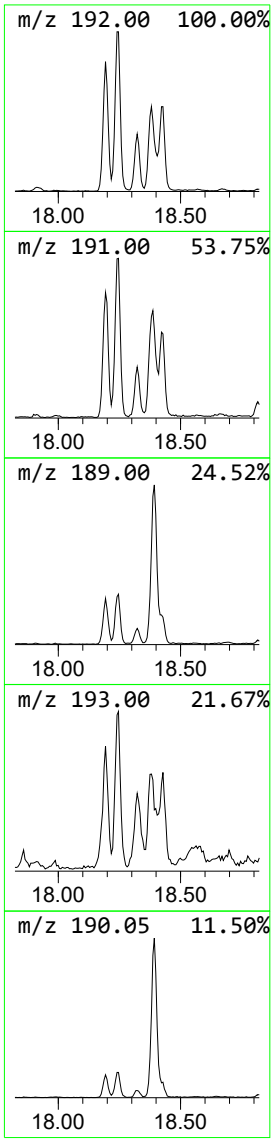
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.322	3.85 ng	695212	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-011824

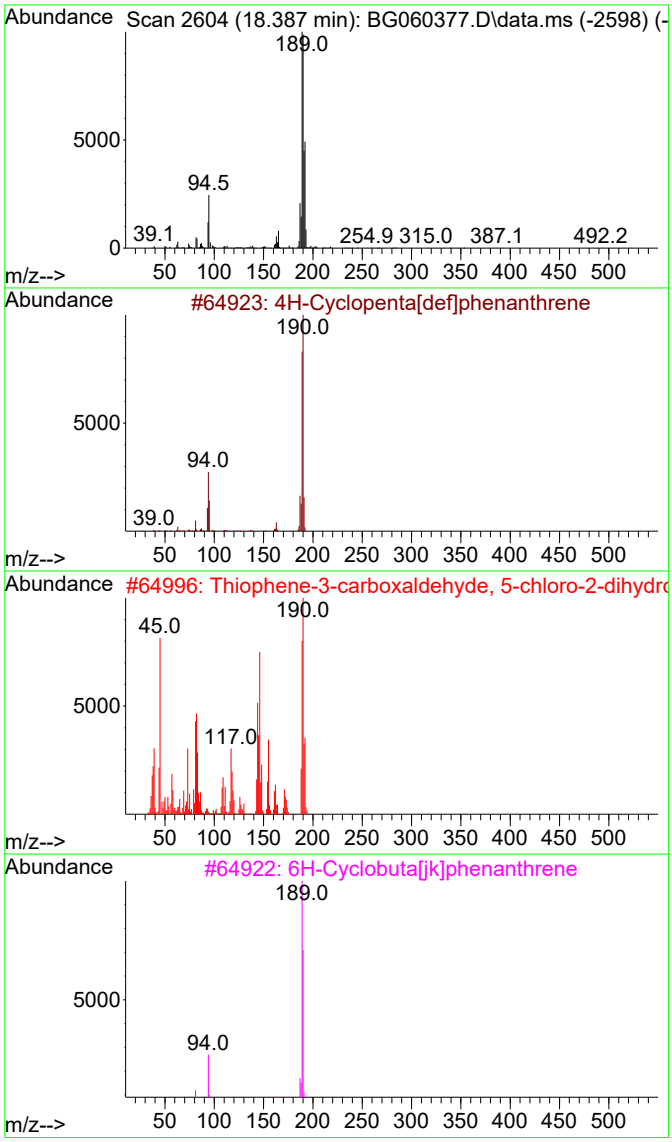
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

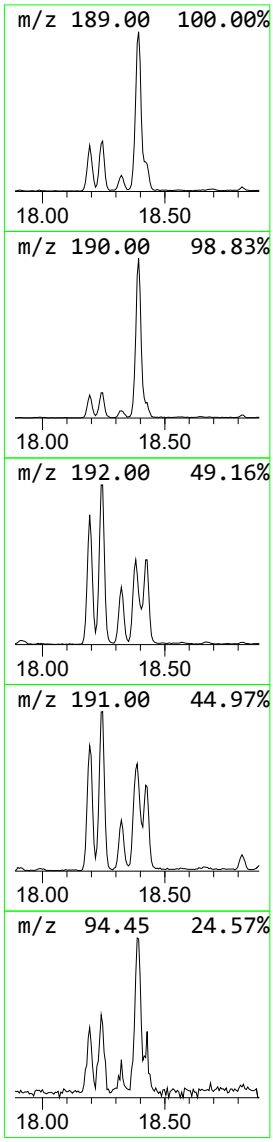
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.387	15.17 ng	2739630	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
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





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Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-011824

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

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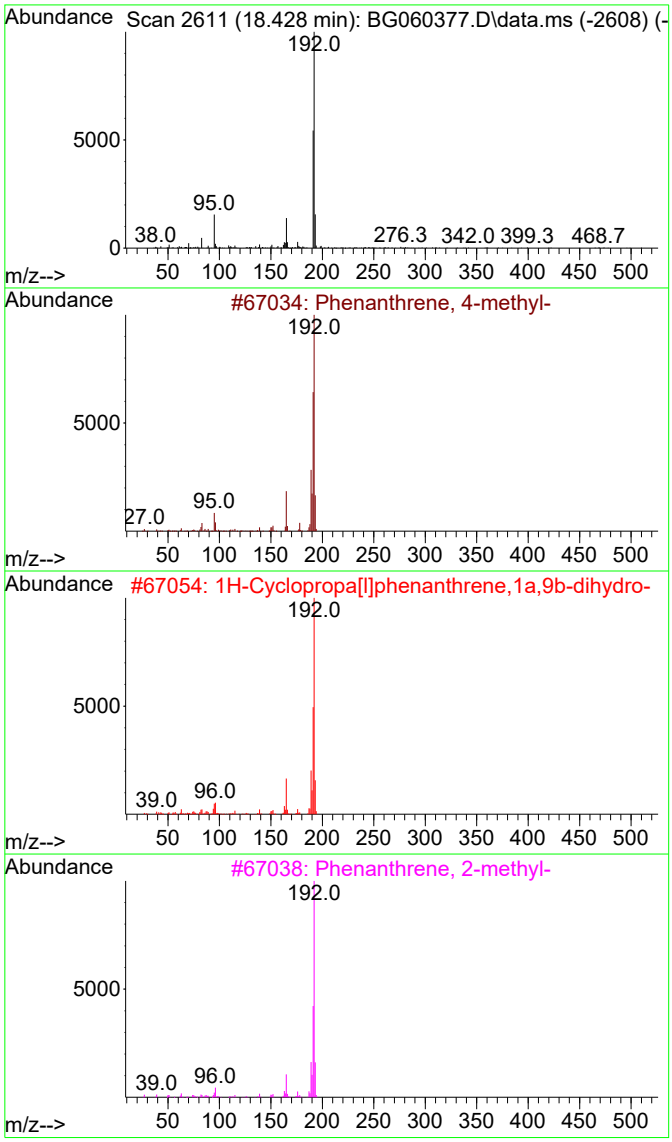
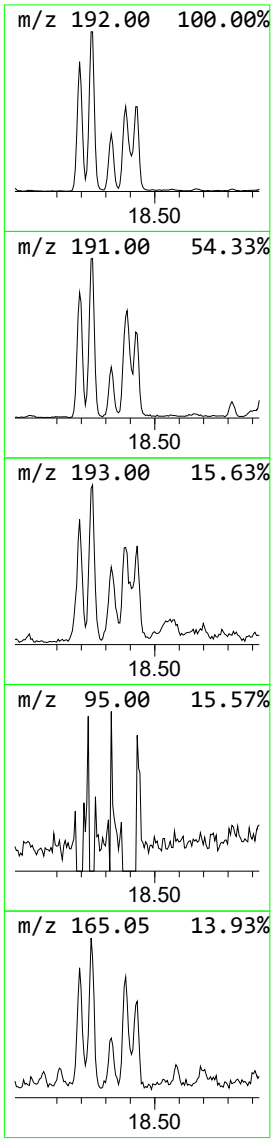
Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.428	4.95 ng	894533	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





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Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-011824

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

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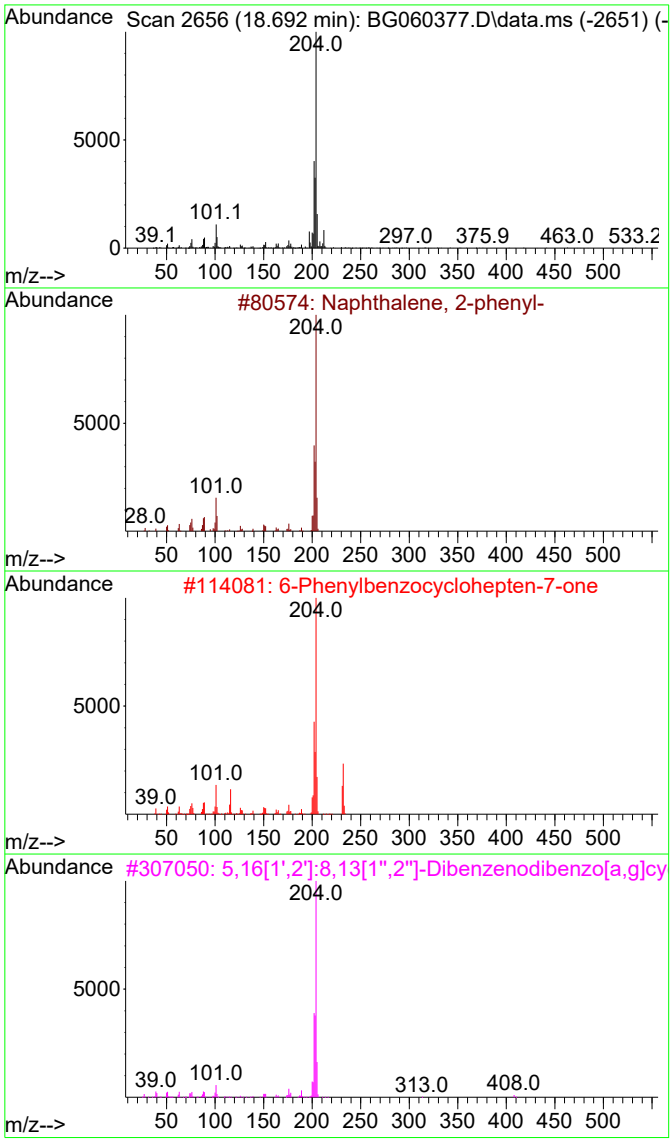
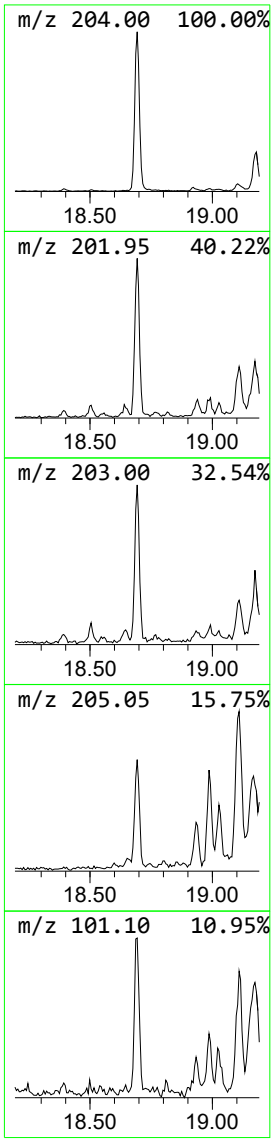
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.692	4.84 ng	874857	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-011824

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

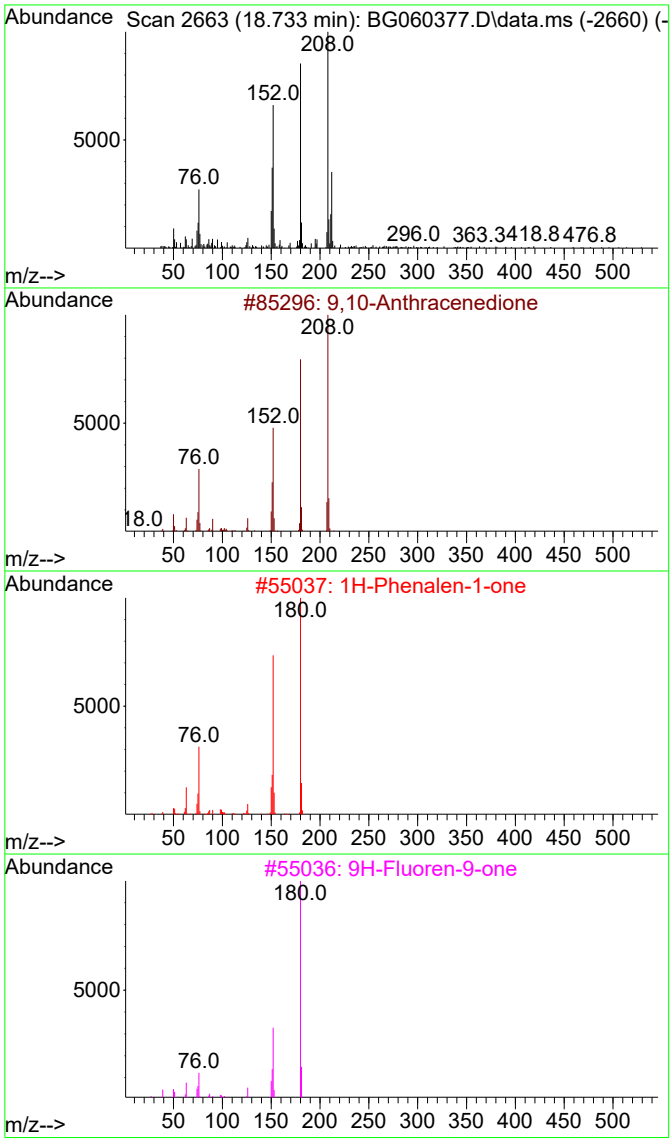
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

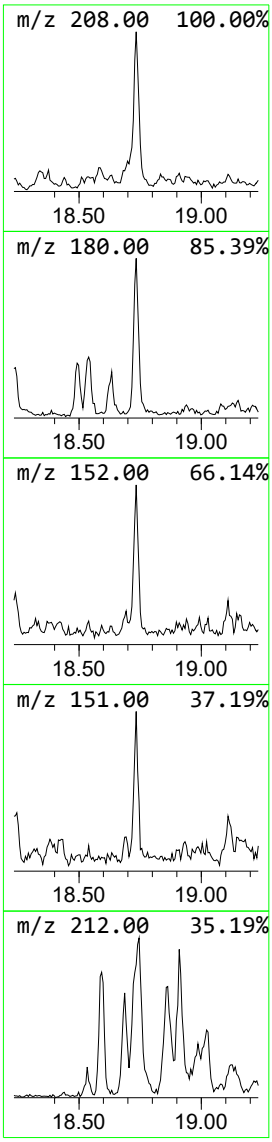
****

Peak Number 14 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.733	3.23 ng	583341	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	49
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-011824

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

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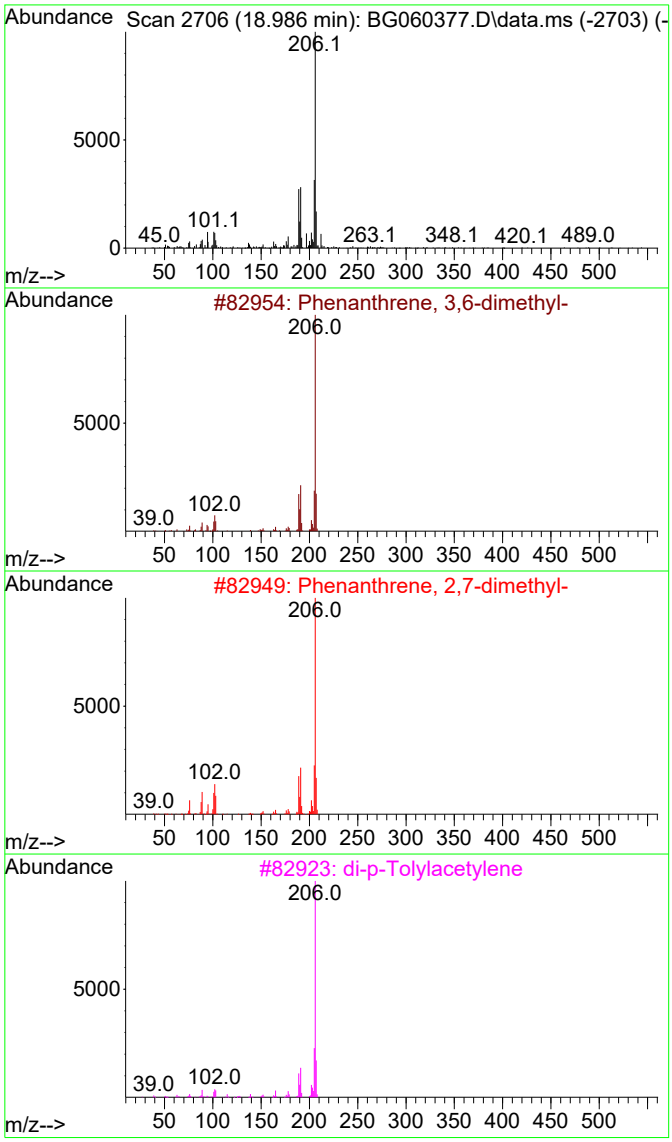
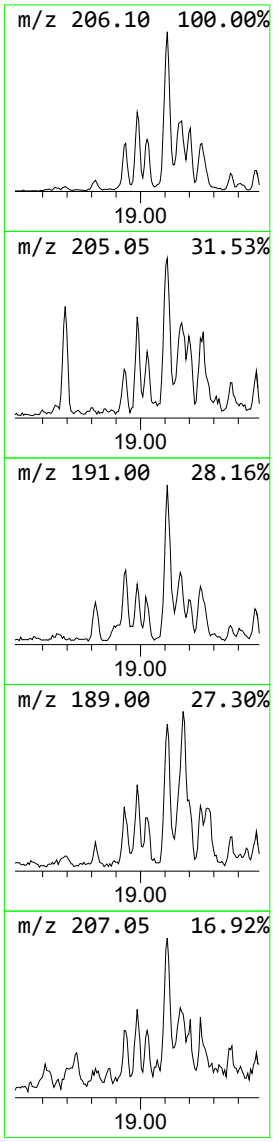
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.986	2.33 ng	421259	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	83
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	83





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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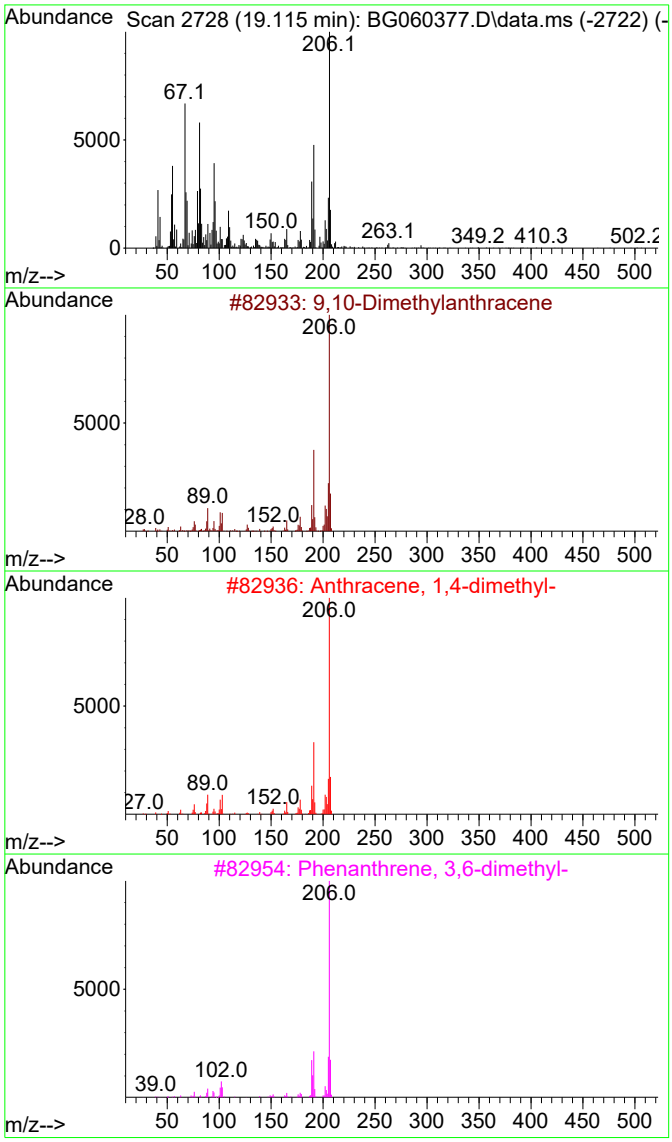
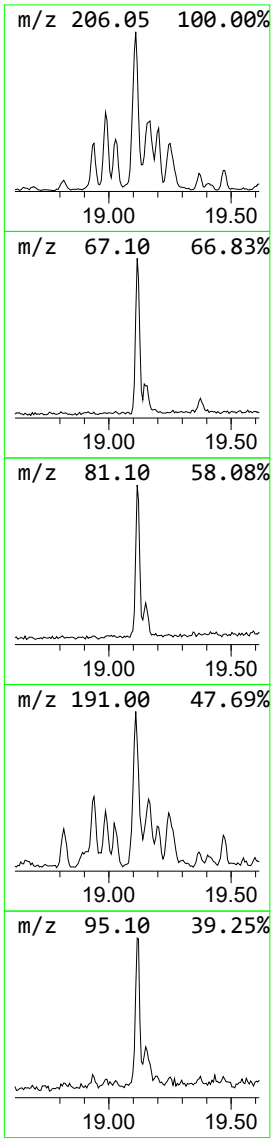
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.115	13.26 ng	2395680	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	78
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	78





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Data File : BG060377.D
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Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

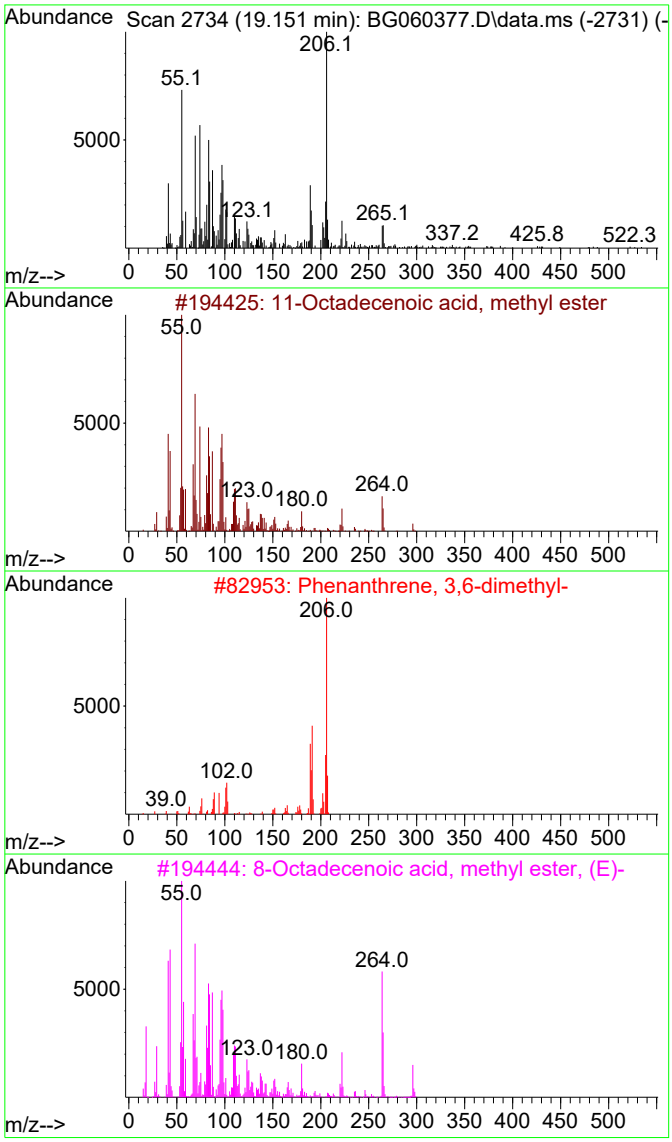
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

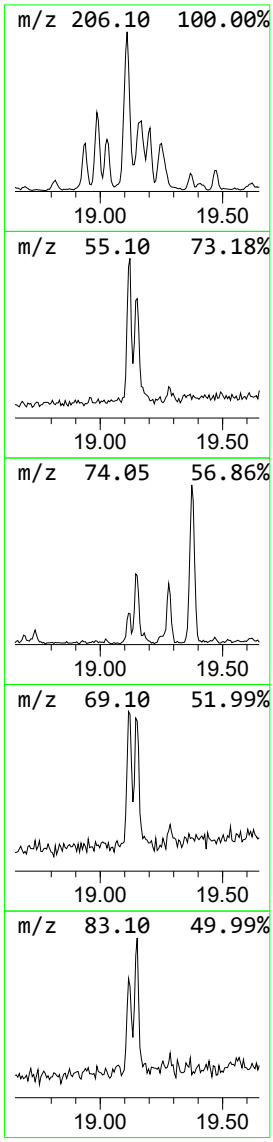
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 11-Octadecenoic acid, methy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.151	5.58 ng	1007000	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	46
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
3	8-Octadecenoic acid, methyl este...	296	C19H36O2	026528-50-7	45
4	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	45
5	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

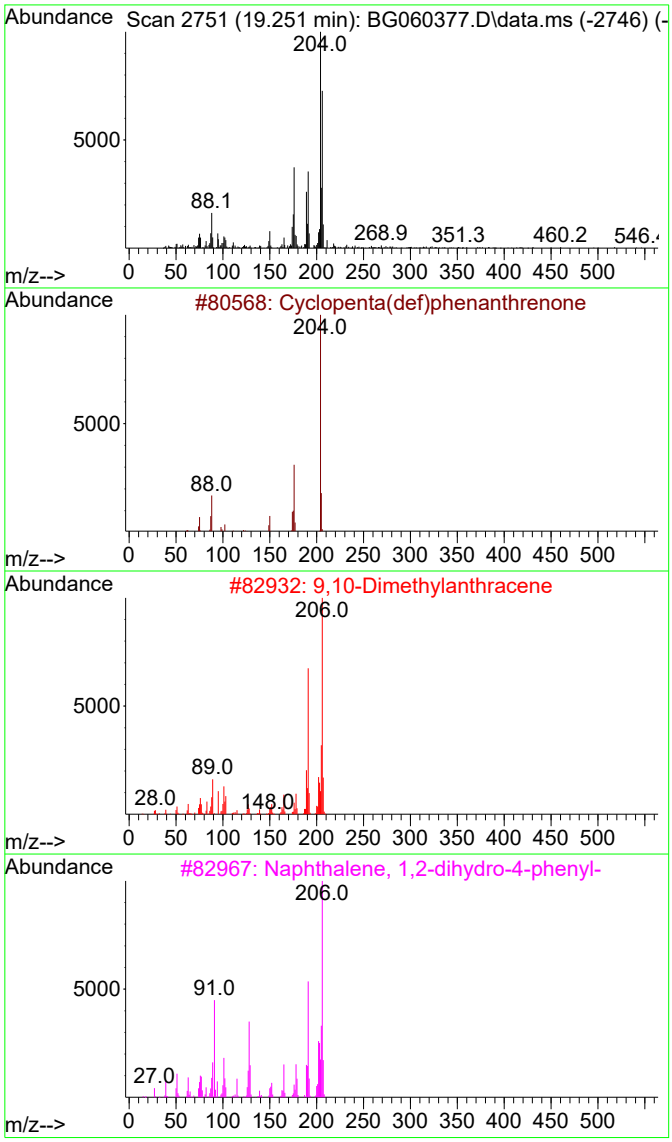
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

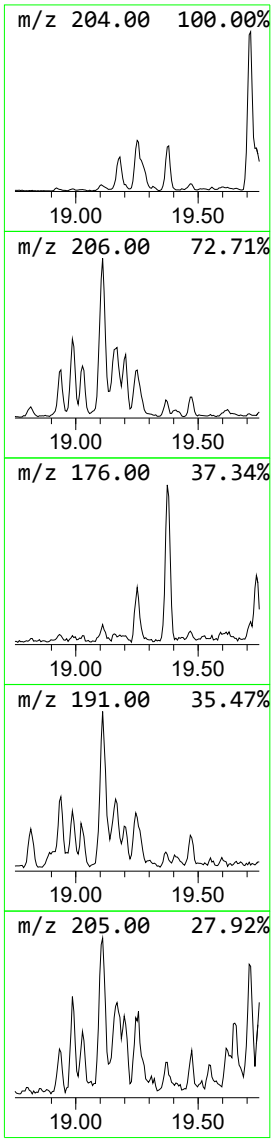
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.250	3.50 ng	632009	Phenanthrene-d10	17.317

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	46
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	46
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

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

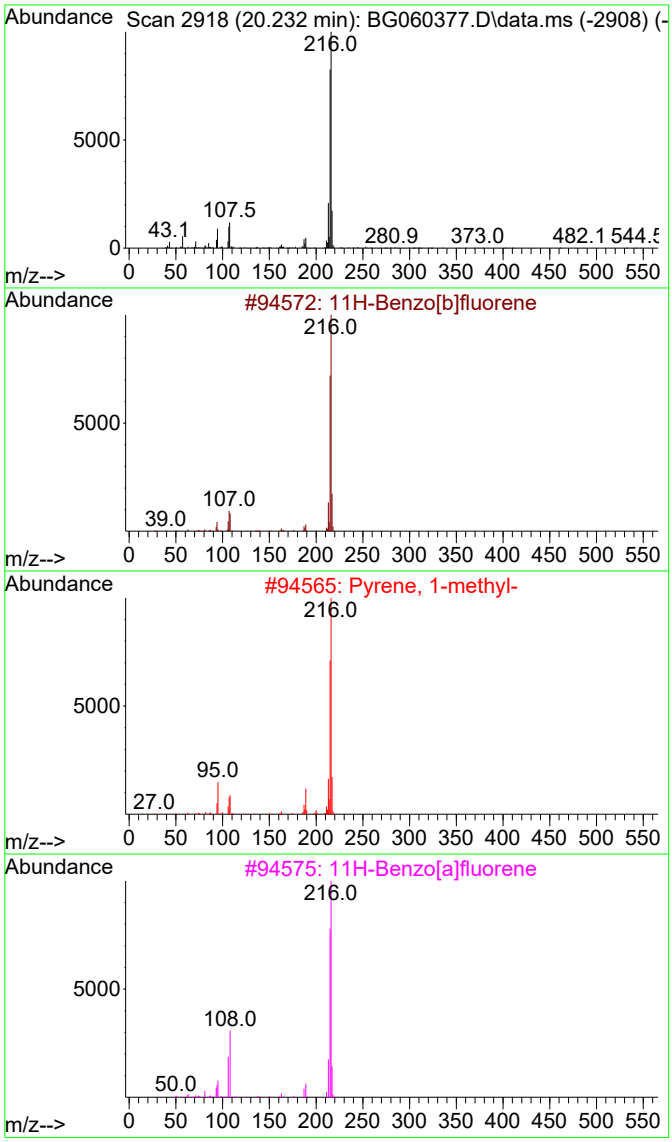
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

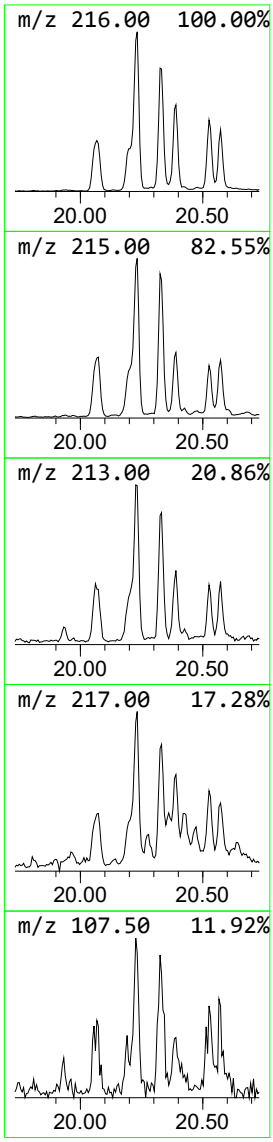
****

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.232	5.38 ng	2745290	Chrysene-d12	21.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

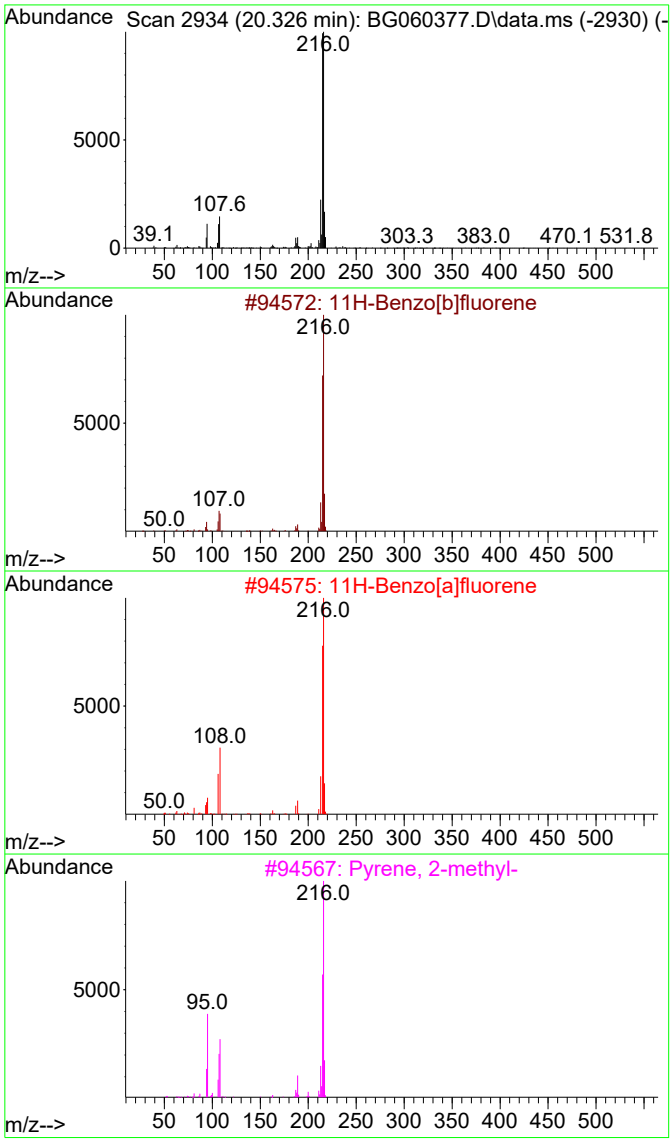
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

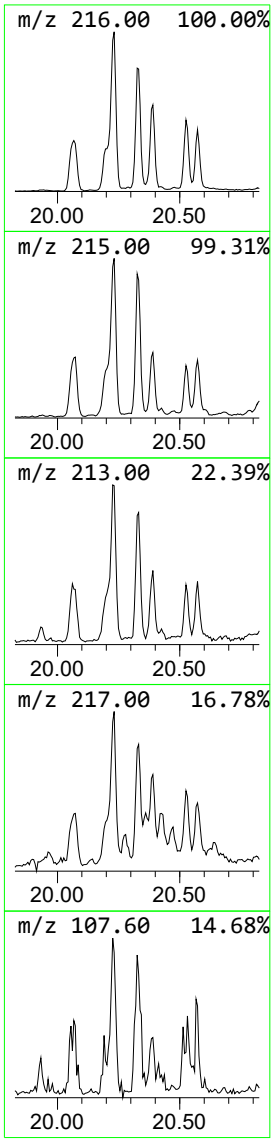
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.326	2.79 ng	1422150	Chrysene-d12	21.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060377.D
Acq On : 19 Jan 2024 20:23
Operator : MA/JU
Sample : P1182-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-03-011824

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
Naphthalene, 1,...	13.739	3.6	ng	580574	3	14.568	3254300	20.0
Naphthalene, 1,...	13.886	3.7	ng	603164	3	14.568	3254300	20.0
Dodecane, 2-met...	16.272	2.9	ng	519360	4	17.317	3612230	20.0
9H-Fluorene, 3-...	16.618	3.3	ng	590682	4	17.317	3612230	20.0
Tetradecane, 1-...	17.059	2.5	ng	456845	4	17.317	3612230	20.0
Dibenzothiophene	17.135	4.8	ng	857869	4	17.317	3612230	20.0
4-Methylnaphtho...	17.899	2.3	ng	410353	4	17.317	3612230	20.0
Phenanthrene, 1...	18.193	8.3	ng	1494110	4	17.317	3612230	20.0
Anthracene, 2-m...	18.240	10.6	ng	1912240	4	17.317	3612230	20.0
Phenanthrene, 3...	18.322	3.9	ng	695212	4	17.317	3612230	20.0
4H-Cyclopenta[d...	18.387	15.2	ng	2739630	4	17.317	3612230	20.0
Phenanthrene, 4...	18.428	5.0	ng	894533	4	17.317	3612230	20.0
Naphthalene, 2-...	18.692	4.8	ng	874857	4	17.317	3612230	20.0
9,10-Anthracene...	18.733	3.2	ng	583341	4	17.317	3612230	20.0
Phenanthrene, 3...	18.986	2.3	ng	421259	4	17.317	3612230	20.0
9,10-Dimethylan...	19.115	13.3	ng	2395680	4	17.317	3612230	20.0
11-Octadecenoic...	19.151	5.6	ng	1007000	4	17.317	3612230	20.0
Cyclopenta(def)...	19.250	3.5	ng	632009	4	17.317	3612230	20.0
11H-Benzo[b]flu...	20.232	5.4	ng	2745290	5	21.583	10210700	20.0
11H-Benzo[a]flu...	20.326	2.8	ng	1422150	5	21.583	10210700	20.0