LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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: BG060426.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.119	3	5	19	rVB	425052	691878	6.51%	0.541%
2	5.511	402	412	426	rBV	1892734	3189903	30.01%	2.495%
3	7.097	673	682	698	rBV	1998218	3510056	33.02%	2.746%
4	7.931	813	824	833	rBV	765149	1375132	12.94%	1.076%
5	9.089	1014	1021	1028	rBV	1258206	2236141	21.04%	1.749%
6	9.147	1028	1031	1037	rVB2	82181	122586	1.15%	0.096%
7	10.728	1289	1300	1307	rBV	1083886	2155023	20.27%	1.686%
8	11.744	1468	1473	1477	rBV2	68672	110964	1.04%	0.087%
9	12.138	1534	1540	1546	rBV2	88387	142184	1.34%	0.111%
10	13.184	1711	1718	1726	rBV	3498280	5510943	51.85%	4.311%
11	13.378	1746	1751	1758	rBV4	59431	110141	1.04%	0.086%
12	14.289	1901	1906	1914	rBV	54821	116488	1.10%	0.091%
13	14.565	1942	1953	1959	rBV	1886038	2949735	27.75%	2.307%
14	14.629	1959	1964	1971	rVB2	87862	151116	1.42%	0.118%
15	14.958	2015	2020	2027	rVB2	81984	139808	1.32%	0.109%
16	15.605	2125	2130	2135	rBV2	136252	246347	2.32%	0.193%
17	15.904	2176	2181	2187	rVB	84539	155498	1.46%	0.122%
18	16.051	2198	2206	2215	rBV	2888334	4416495	41.55%	3.455%
19	16.286	2238	2246	2250	rBV4	99135	224326	2.11%	0.175%
20	16.621	2293	2303	2306	rBV4	81922	186260	1.75%	0.146%
21	16.844	2334	2341	2343	rBV4	112949	199875	1.88%	0.156%
22	16.880	2344	2347	2351	rVB3	77553	109418	1.03%	0.086%
23	16.962	2357	2361	2367	rVB3	87497	137896	1.30%	0.108%
24	17.038	2369	2374	2375	rBV2	121146	155563	1.46%	0.122%
25	17.132	2385	2390	2399	rVB	111748	217492	2.05%	0.170%
26	17.308	2414	2420	2424	rBV	2253996	3499629	32.92%	2.738%
27	17.350	2424	2427	2434	rVV	1959615	2939580	27.66%	2.300%
28	17.444	2438	2443	2448	rVV	564551	879157	8.27%	0.688%
29	17.491	2448	2451	2457	rVB3	70115	132487	1.25%	0.104%
30	17.714	2481	2489	2492	rBV	123318	248206	2.34%	0.194%
31	17.831	2505	2509	2513	rVB	95130	123211	1.16%	0.096%
32	17.884	2515	2518	2527	rVB6	81123	164365	1.55%	0.129%
33	18.190	2564	2570	2574	rBV2	613221	1022253	9.62%	0.800%
34	18.237	2574	2578	2584	rVB	679375	1021331	9.61%	0.799%
35	18.319	2587	2592	2597	rVB	314965	483381	4.55%	0.378%
36	18.384	2597	2603	2607	rBV3	747301	1449237	13.63%	1.134%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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	18.489	2618	2621	2625	rVB3	93358	114306	1.08%	0.089%
38	18.625	2640	2644	2648	rVB7	100932	132857	1.25%	0.104%
39	18.689	2650	2655	2658	rBV	367943	534542	5.03%	0.418%
40	18.730	2658	2662	2667	rVB2	165738	257693	2.42%	0.202%
41	18.930	2693	2696	2700	rVB2	141143	167270	1.57%	0.131%
42	18.983	2701	2705	2707	rVV	148428	177789	1.67%	0.139%
43	19.018	2708	2711	2715	rVB	158910	179630	1.69%	0.141%
44	19.106	2720	2726	2730	rBV	434034	872435	8.21%	0.682%
45	19.242	2745	2749	2759	rVB	466669	821612	7.73%	0.643%
46	19.371	2765	2771	2777	rBV	7327900	10629363	100.00%	8.315%
47	19.430	2778	2781	2784	rVV	128411	160035	1.51%	0.125%
48	19.465	2784	2787	2791	rVB2	185422	236153	2.22%	0.185%
49	19.612	2808	2812	2821	rVB	284574	543606	5.11%	0.425%
50	19.700	2821	2827	2828	rBV	1383763	1771541	16.67%	1.386%
51	19.735	2828	2833	2840	rVV	6253636	9819909	92.38%	7.682%
52	19.800	2840	2844	2851	rVB2	416887	669462	6.30%	0.524%
53	19.929	2858	2866	2870	rBV	5822279	7787535	73.26%	6.092%
54	20.058	2881	2888	2894	rBV3	568487	1514449	14.25%	1.185%
55	20.187	2904	2910	2911	rBV4	412480	615357	5.79%	0.481%
56	20.223	2912	2916	2921	rVB	833525	1288357	12.12%	1.008%
57	20.323	2929	2933	2936	rBV	372663	490914	4.62%	0.384%
58	20.381	2936	2943	2947	rVV2	692692	1282882	12.07%	1.004%
59	20.417	2947	2949	2953	rVB2	211841	213656	2.01%	0.167%
60	20.458	2953	2956	2962	rVB2	185049	256988	2.42%	0.201%
61	20.516	2962	2966	2970	rBV	391589	567446	5.34%	0.444%
62	20.564	2971	2974	2978	rVV3	324727	431006	4.05%	0.337%
63	20.716	2998	3000	3005	rVB6	124464	172355	1.62%	0.135%
64	20.781	3006	3011	3012	rBV3	127455	217282	2.04%	0.170%
65	20.975	3040	3044	3051	rVB	832999	1199615	11.29%	0.938%
66	21.157	3068	3075	3079	rBV3	550496	1263569	11.89%	0.988%
67	21.204	3079	3083	3087	rVV2	698737	1365326	12.84%	1.068%
68	21.251	3087	3091	3096	rVV2	656193	1343677	12.64%	1.051%
69	21.304	3096	3100	3108	rVB2	726257	1285770	12.10%	1.006%
70	21.562	3137	3144	3150	rBV2	4144825	10517440	98.95%	8.227%
71	21.621	3150	3154	3166	rVB	3084468	5378188	50.60%	4.207%
72	21.768	3174	3179	3186	rBV	477706	885451	8.33%	0.693%
73	21.974	3209	3214	3220	rVB3	273744	586028	5.51%	0.458%
74	22.291	3264	3268	3274	rVB	518757	926711	8.72%	0.725%
75	22.361	3276	3280	3288	rVB2	344674	654929	6.16%	0.512%
76	23.736	3505	3514	3522	rBV	2148585	7535396	70.89%	5.895%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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	23.983	3552	3556	3565	rVB2	384559	861657	8.11%	0.674%
78	24.447	3628	3635	3649	rVB	1095680	3117752	29.33%	2.439%
79	24.594	3651	3660	3672	rVV	1733940	4965051	46.71%	3.884%
80	24.741	3677	3685	3692	rBV2	1255314	3496792	32.90%	2.735%

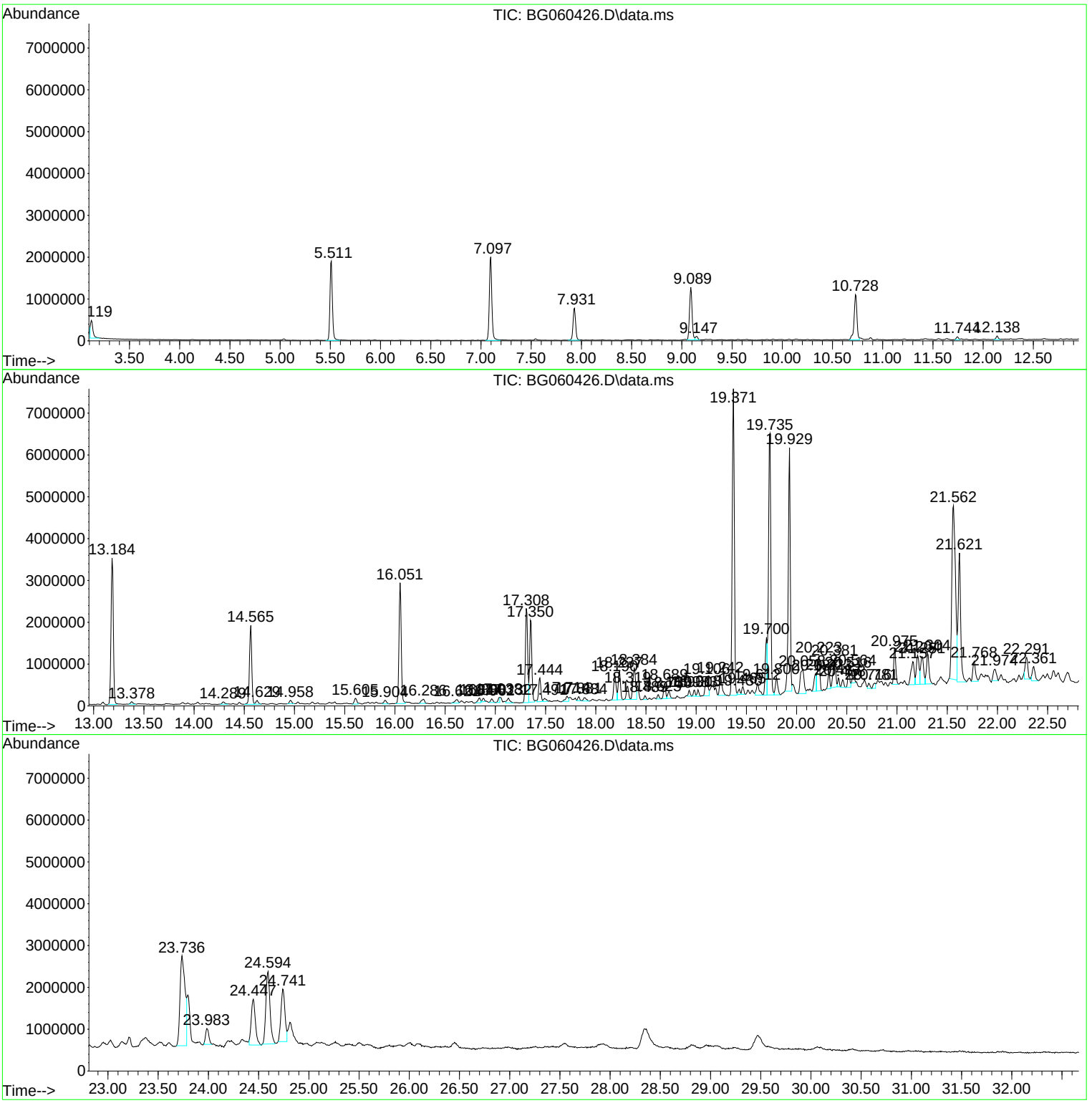
Sum of corrected areas: 127833887

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

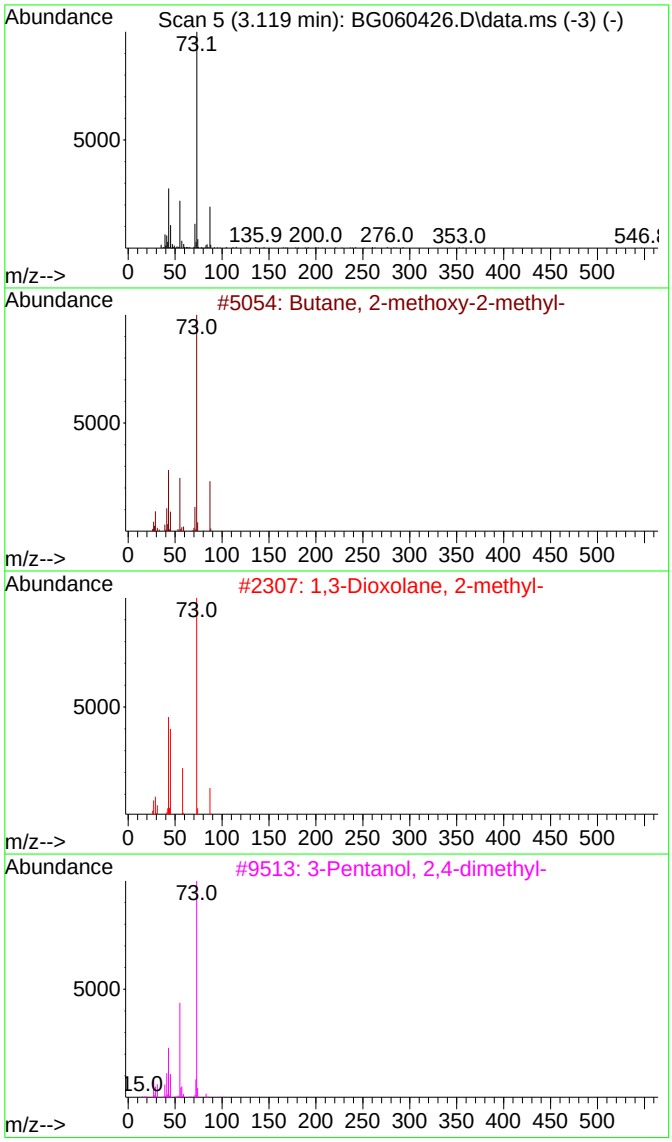
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

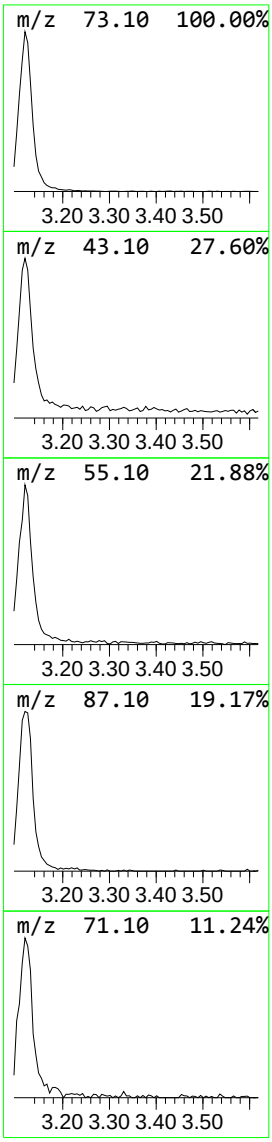
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.119	10.06 ng	691878	1,4-Dichlorobenzene-d4	7.925

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	12
4	1-Butanol, 2-iodo-	200	C4H9IO	127201-28-9	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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

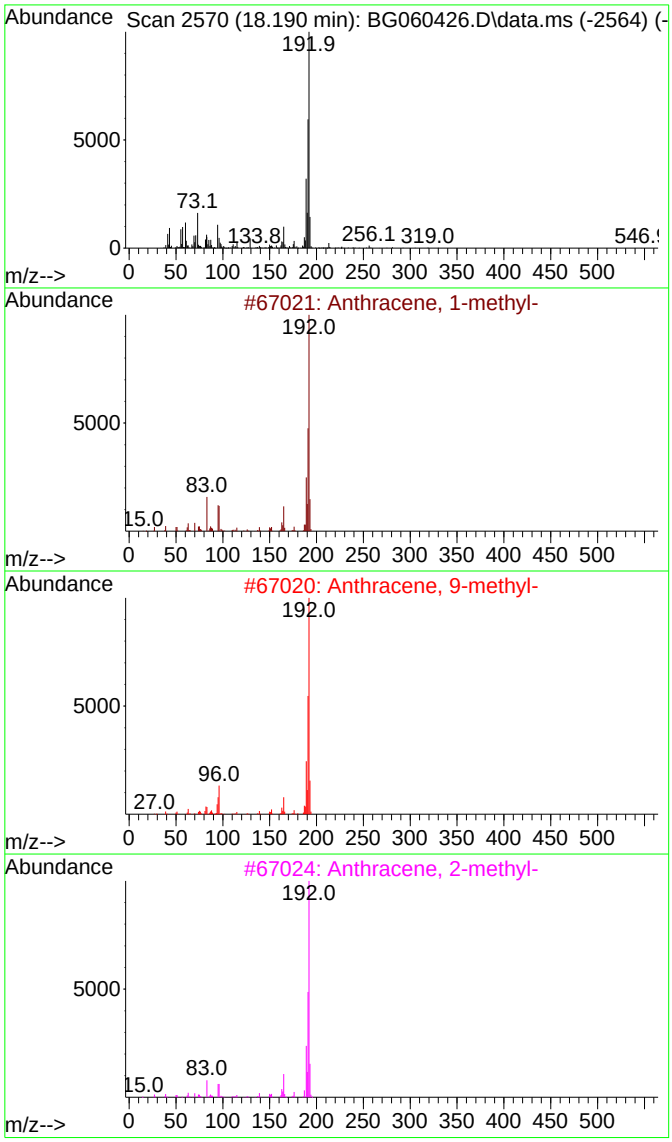
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

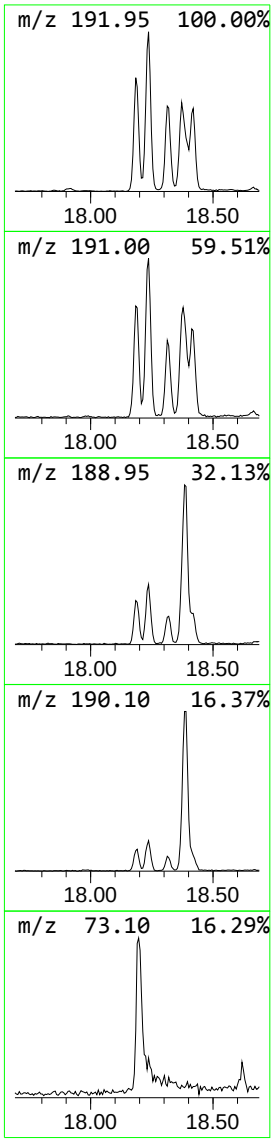
****

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.190	5.84 ng	1022250	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	78
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	76
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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

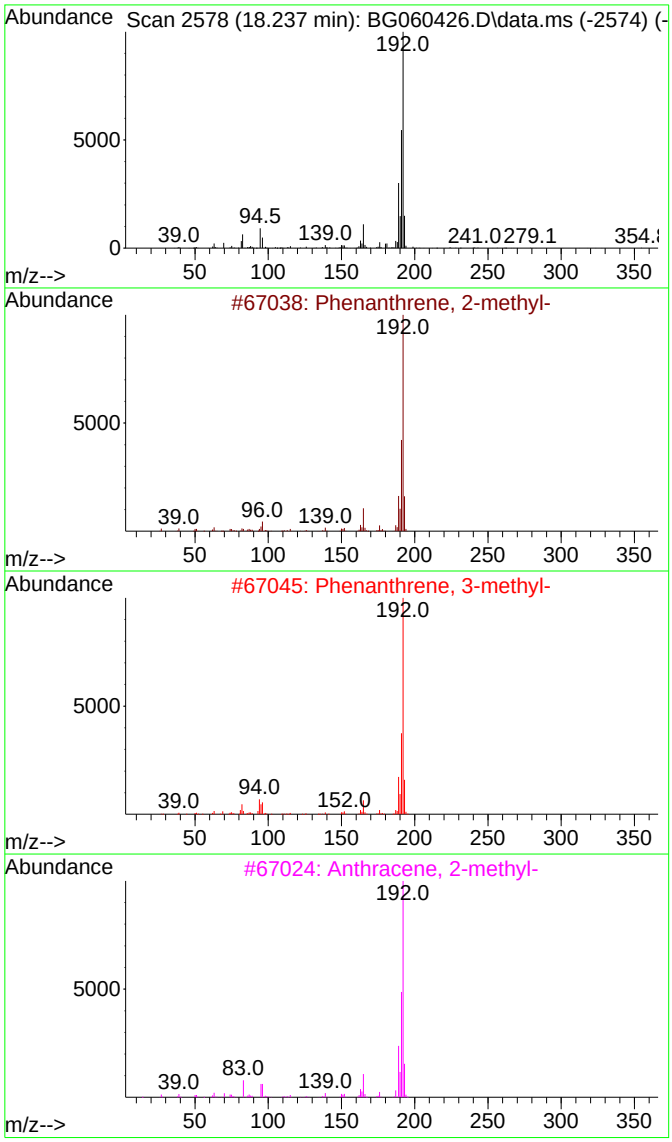
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

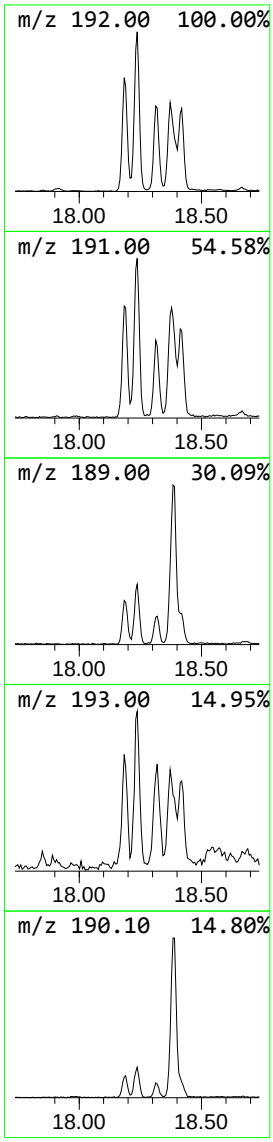
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.237	5.84 ng	1021330	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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

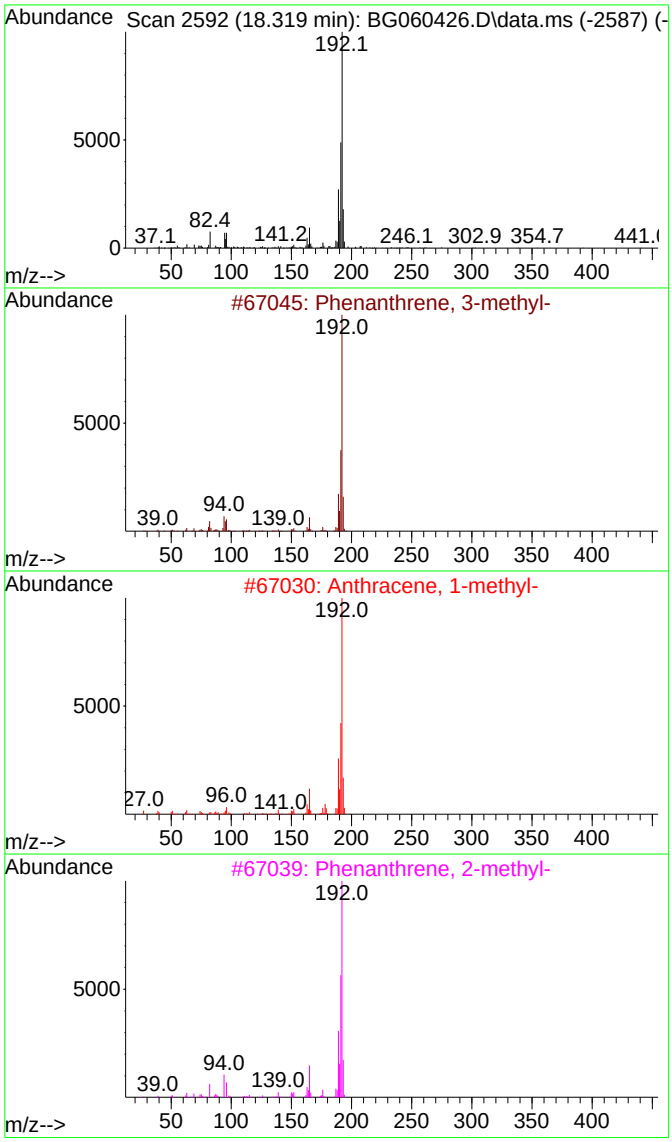
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

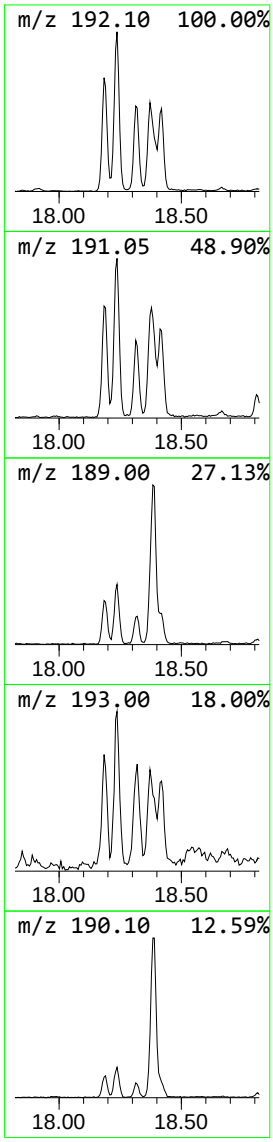
****

Peak Number 4 Phenanthrene, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.319	2.76 ng	483381	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

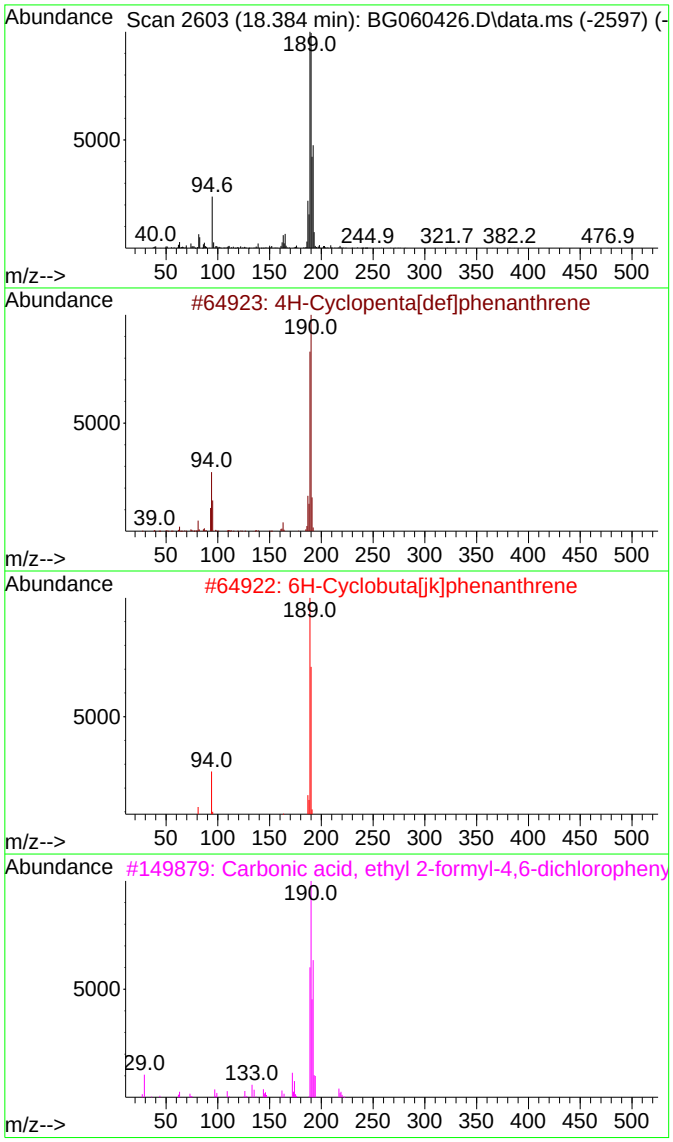
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

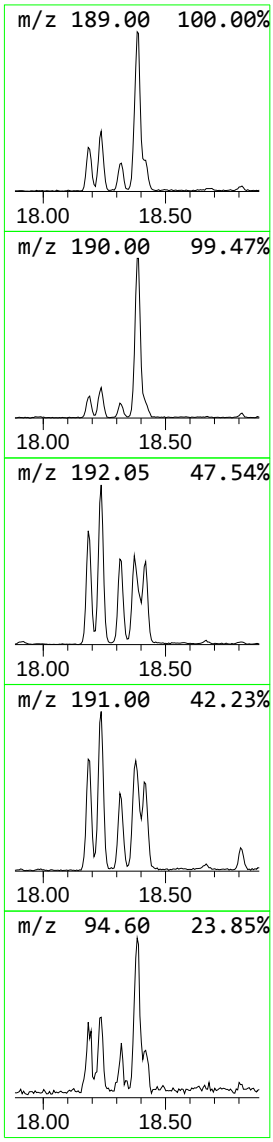
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.384	8.28 ng	1449240	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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

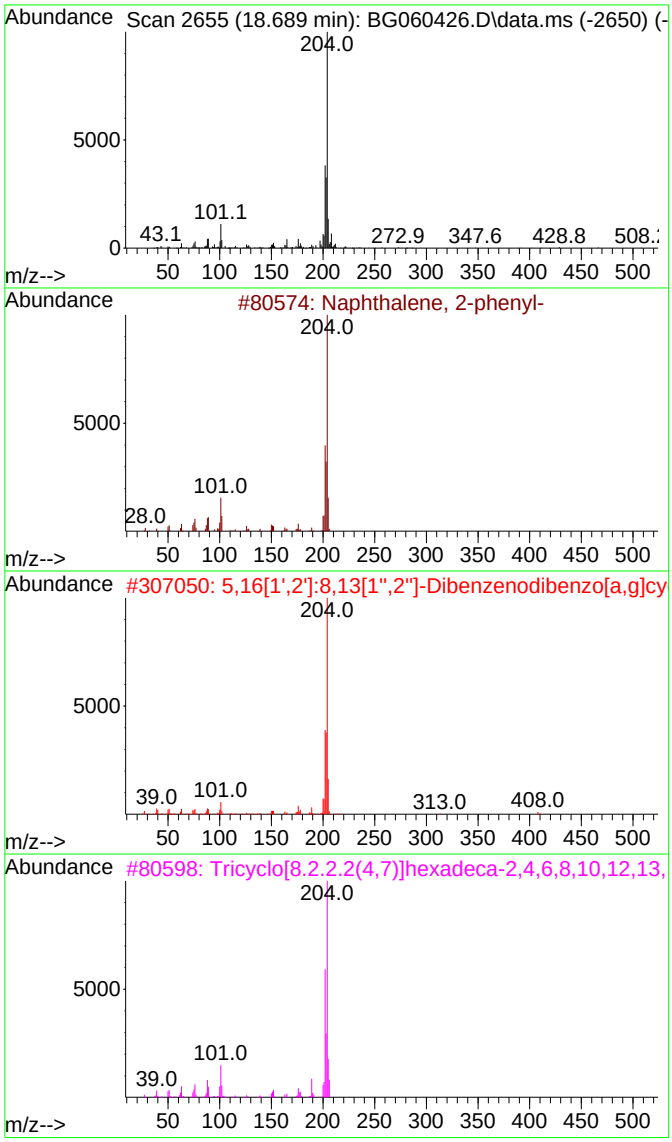
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

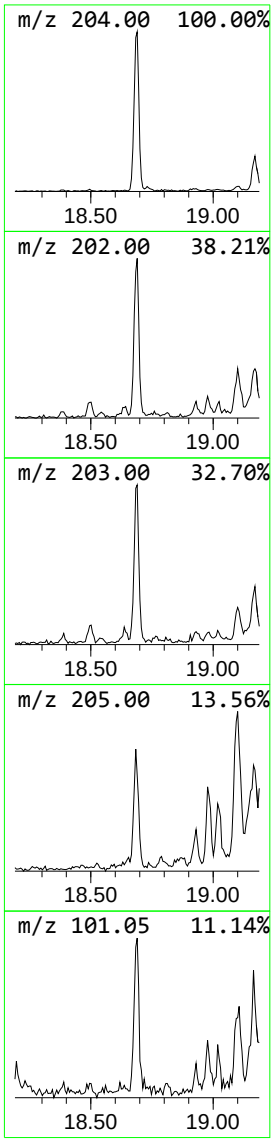
****

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.689	3.05 ng	534542	Phenanthrene-d10	17.308

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	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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

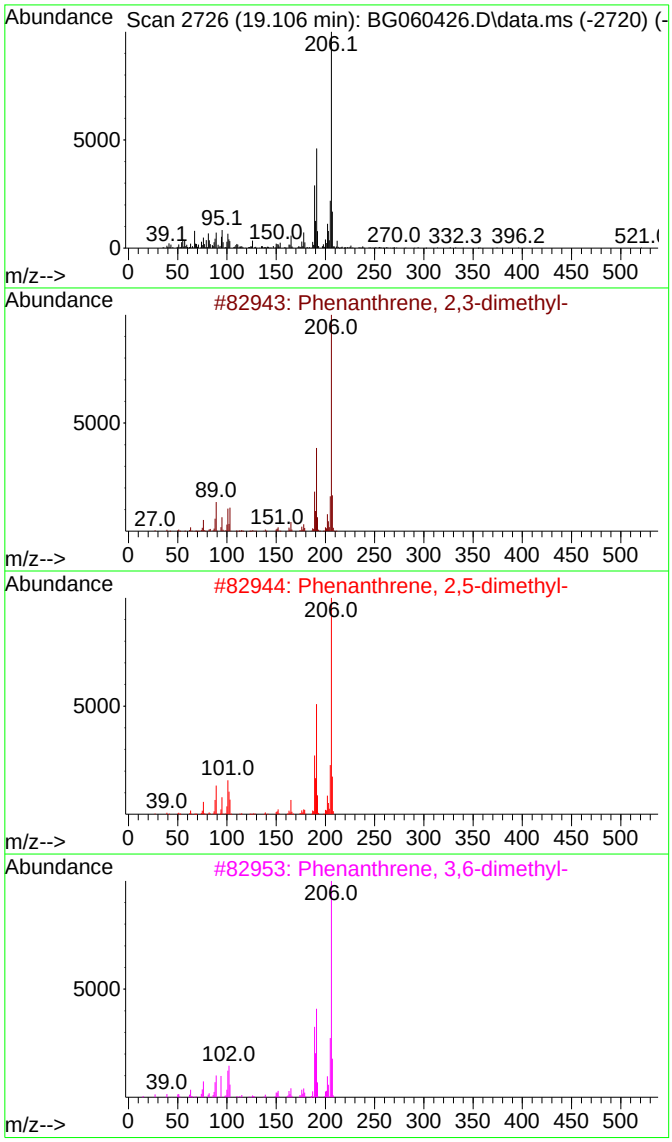
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

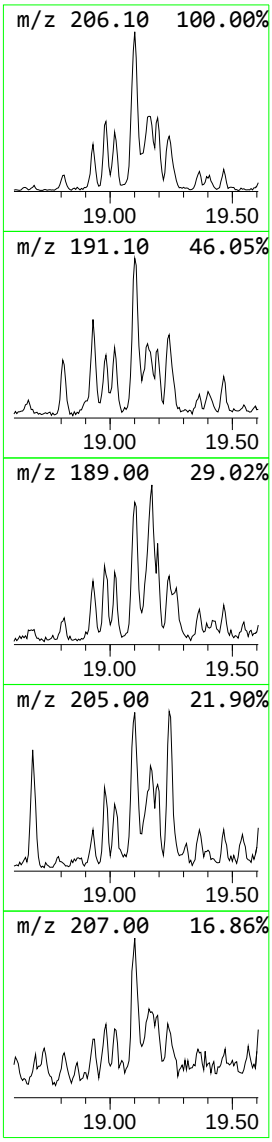
****

Peak Number 7 Phenanthrene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.106	4.99 ng	872435	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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

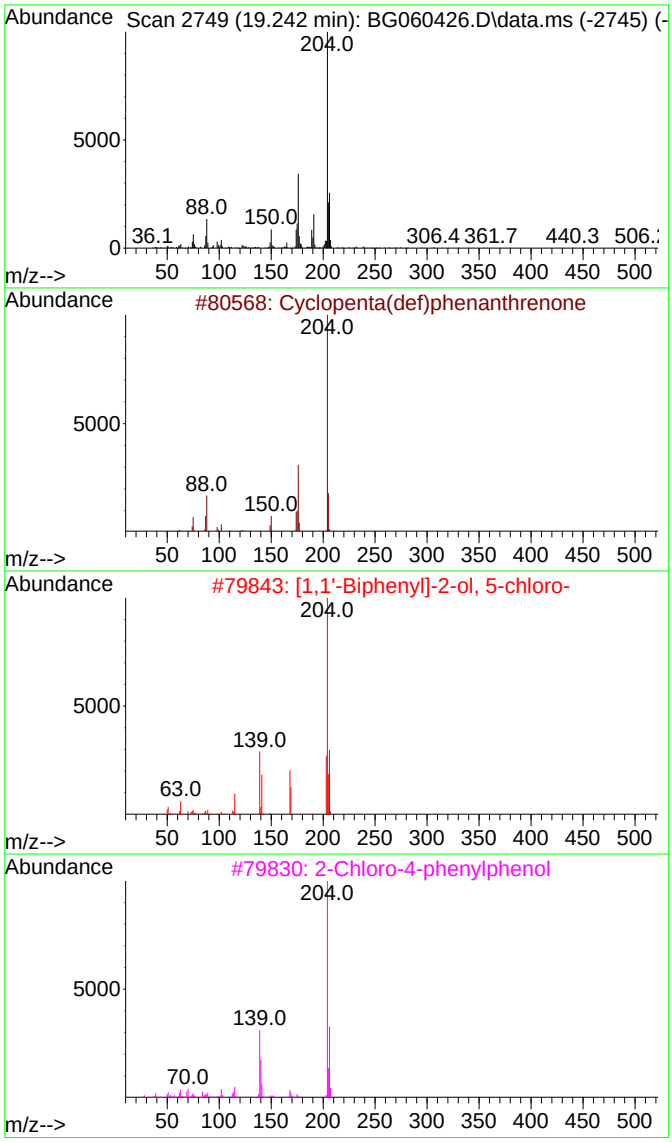
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

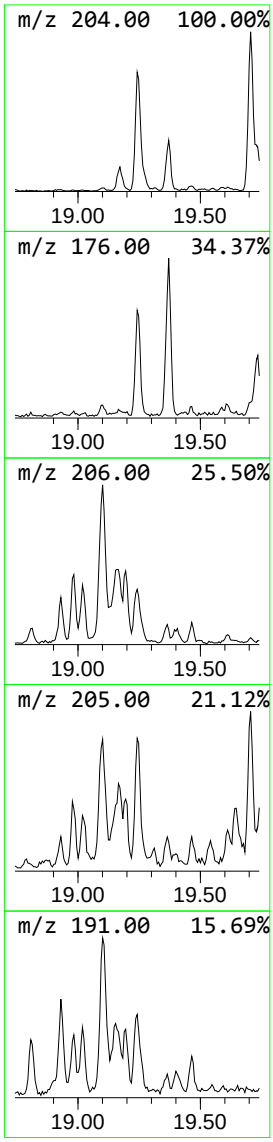
****

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.241	4.70 ng	821612	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	47
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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

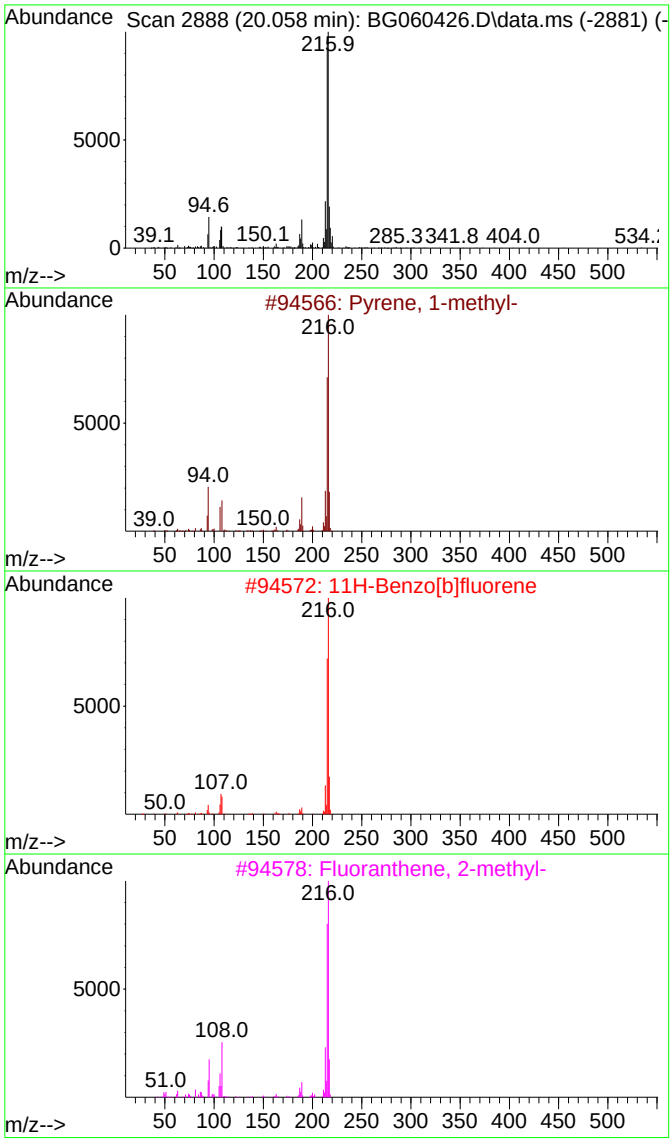
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

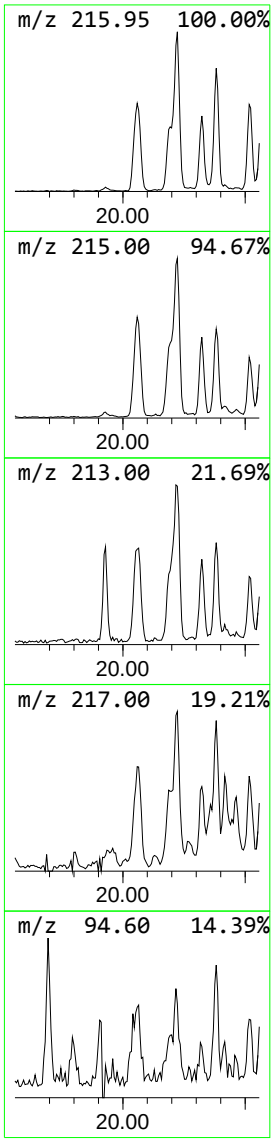
****

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.058	2.88 ng	1514450	Chrysene-d12	21.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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

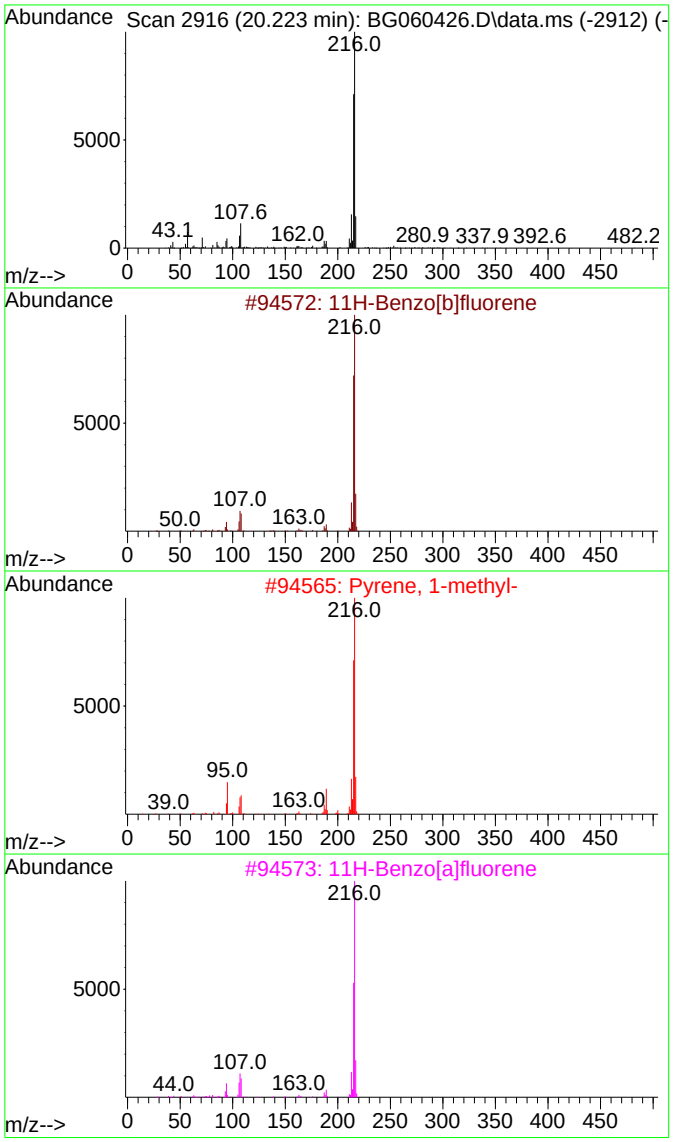
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

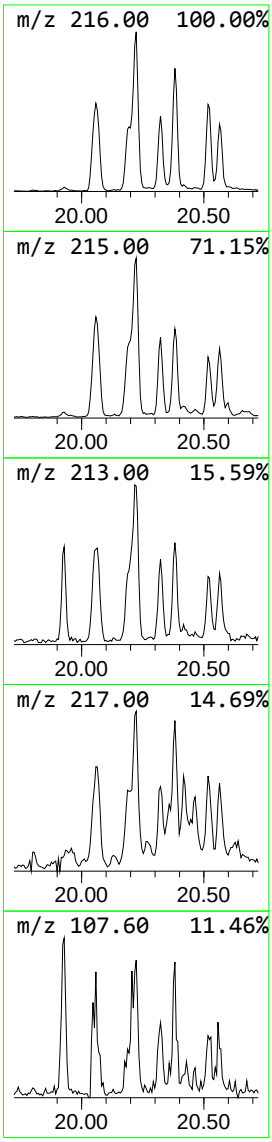
****

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.223	2.45 ng	1288360	Chrysene-d12	21.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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

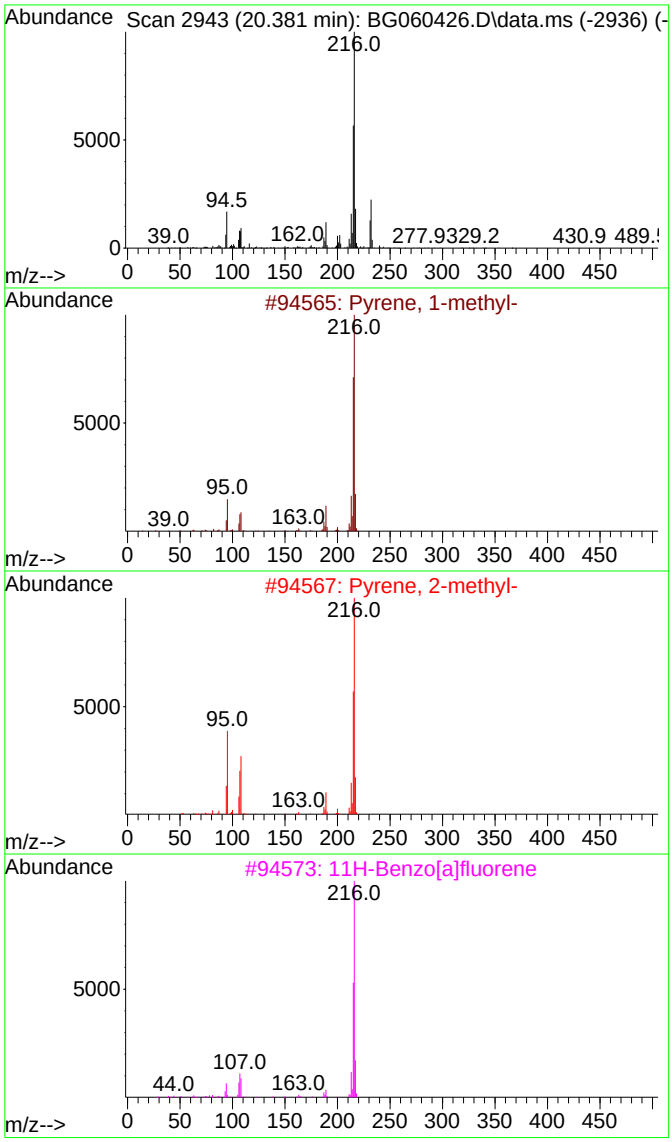
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

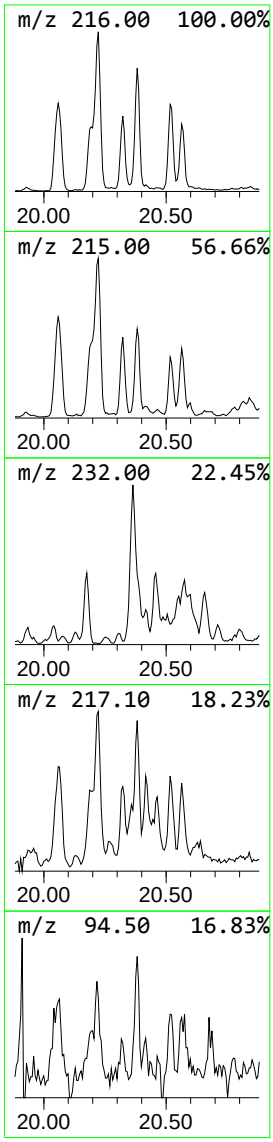
****

Peak Number 11 Pyrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.381	2.44 ng	1282880	Chrysene-d12	21.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

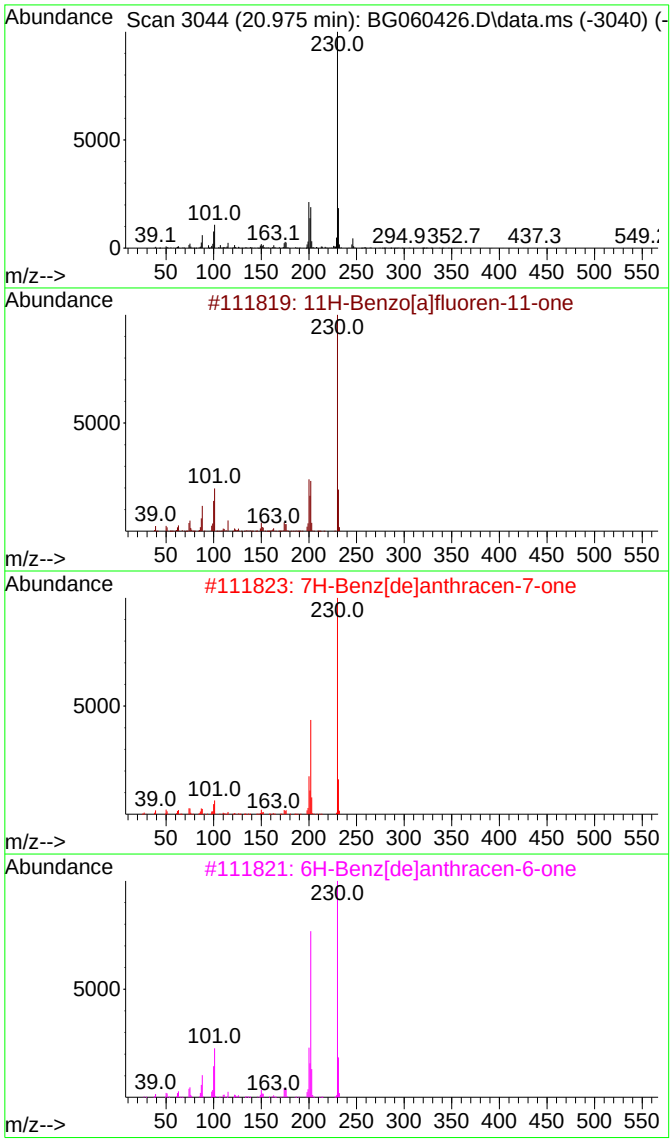
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

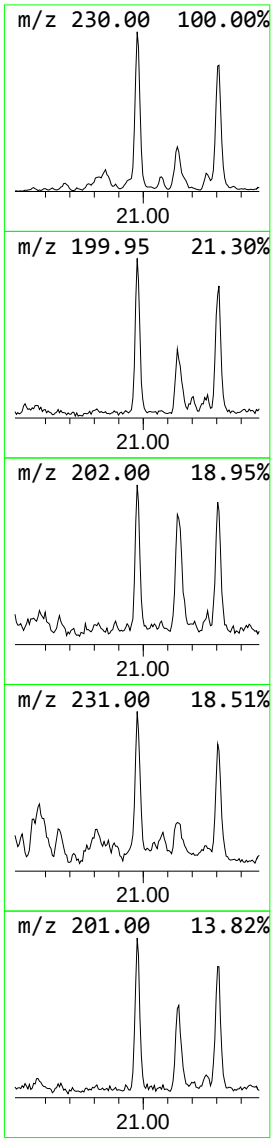
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.975	2.28 ng	1199620	Chrysene-d12	21.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	o-Terphenyl	230	C18H14	000084-15-1	64
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

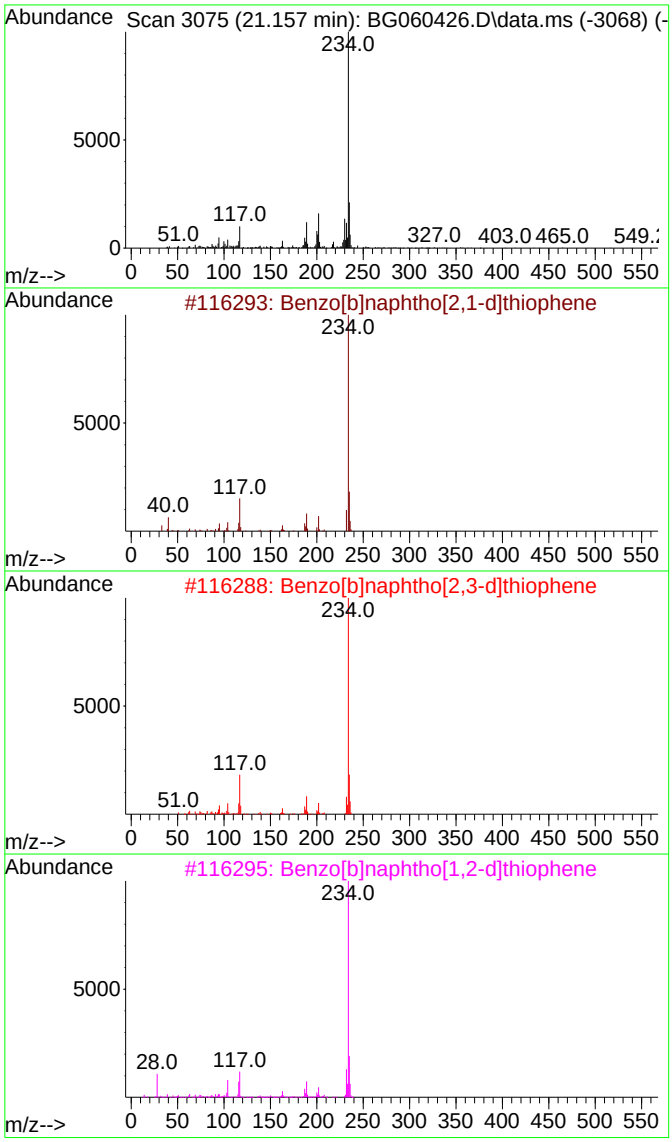
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

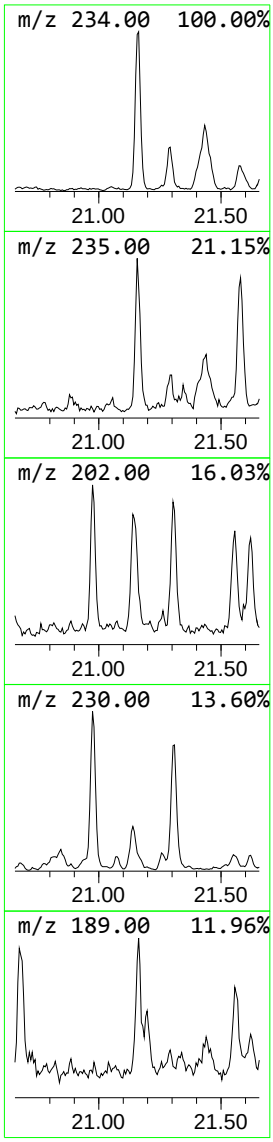
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.157	2.40 ng	1263570	Chrysene-d12	21.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	72
5	Imidazole, 4-pentafluorophenyl-	234	C9H3F5N2	081769-58-6	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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

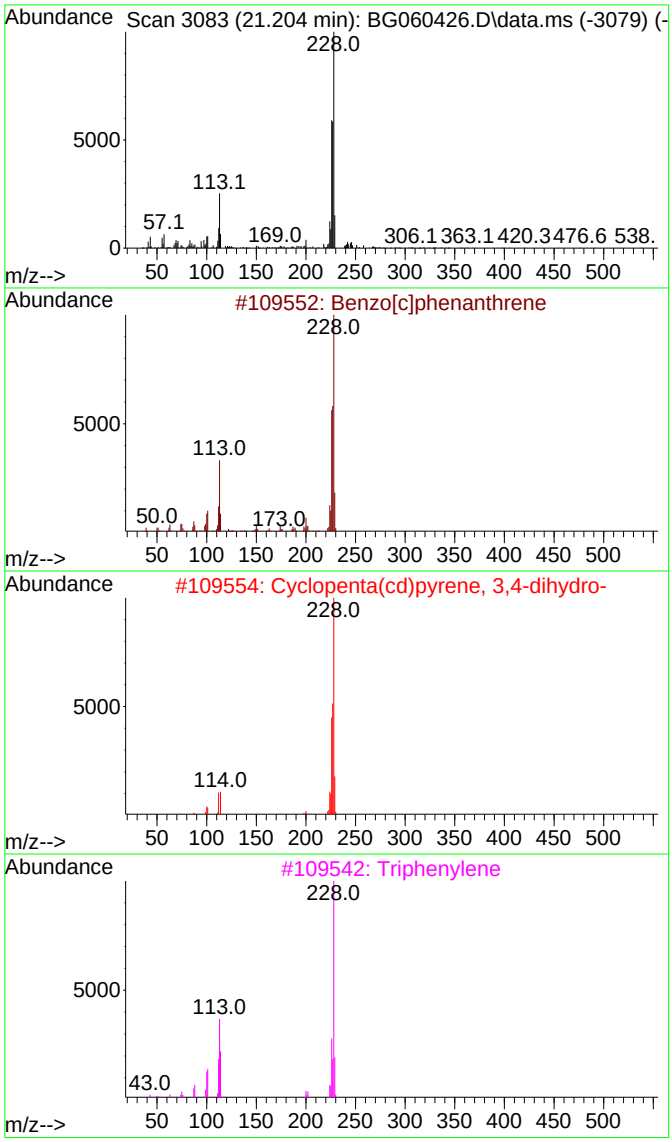
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

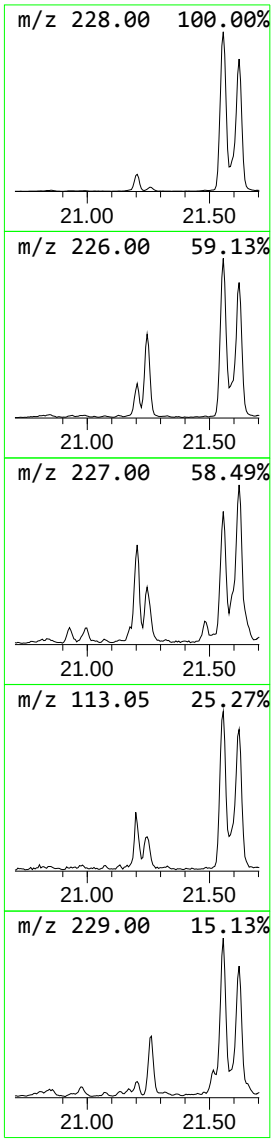
****

Peak Number 14 Benzo[c]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.204	2.60 ng	1365330	Chrysene-d12	21.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	64
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	53
3	Triphenylene	228	C18H12	000217-59-4	49
4	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	47
5	Chrysene	228	C18H12	000218-01-9	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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

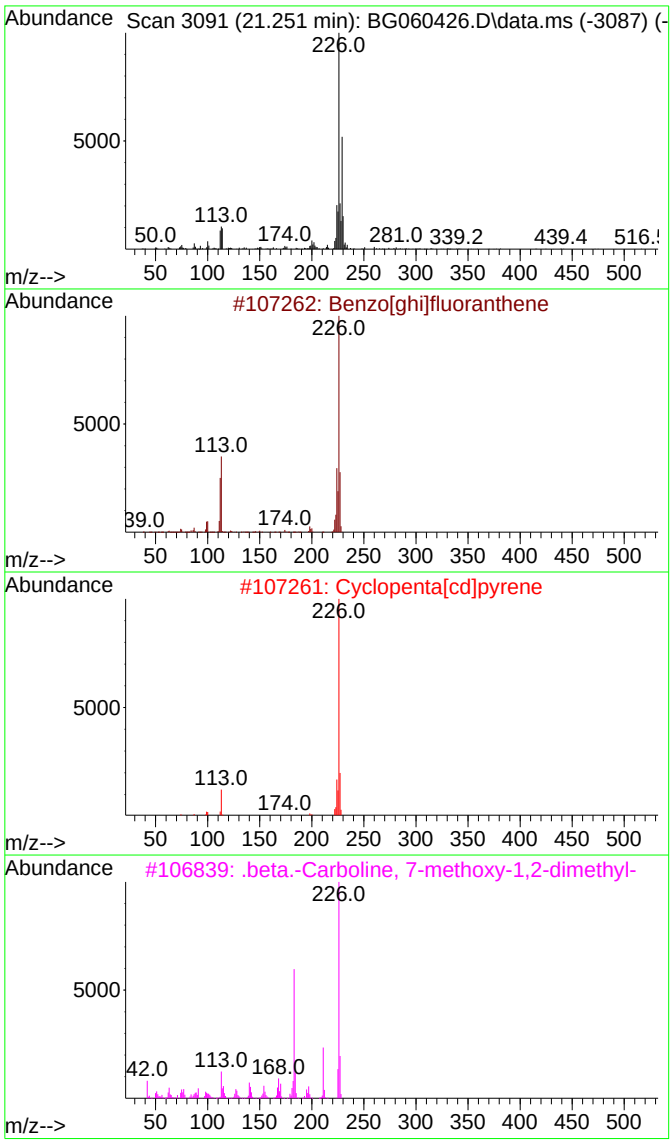
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

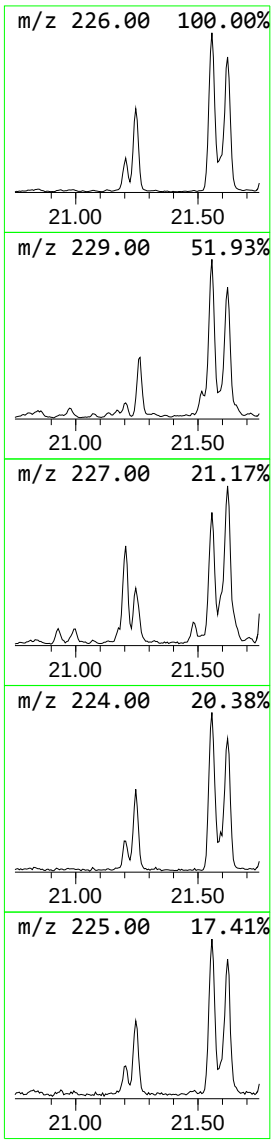
****

Peak Number 15 unknown21.251 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.251	2.56 ng	1343680	Chrysene-d12	21.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	47
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	43
4	3-Hydroxy-4-methyl-6H-benzo[c]ch...	226	C14H10O3	076244-77-4	38
5	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

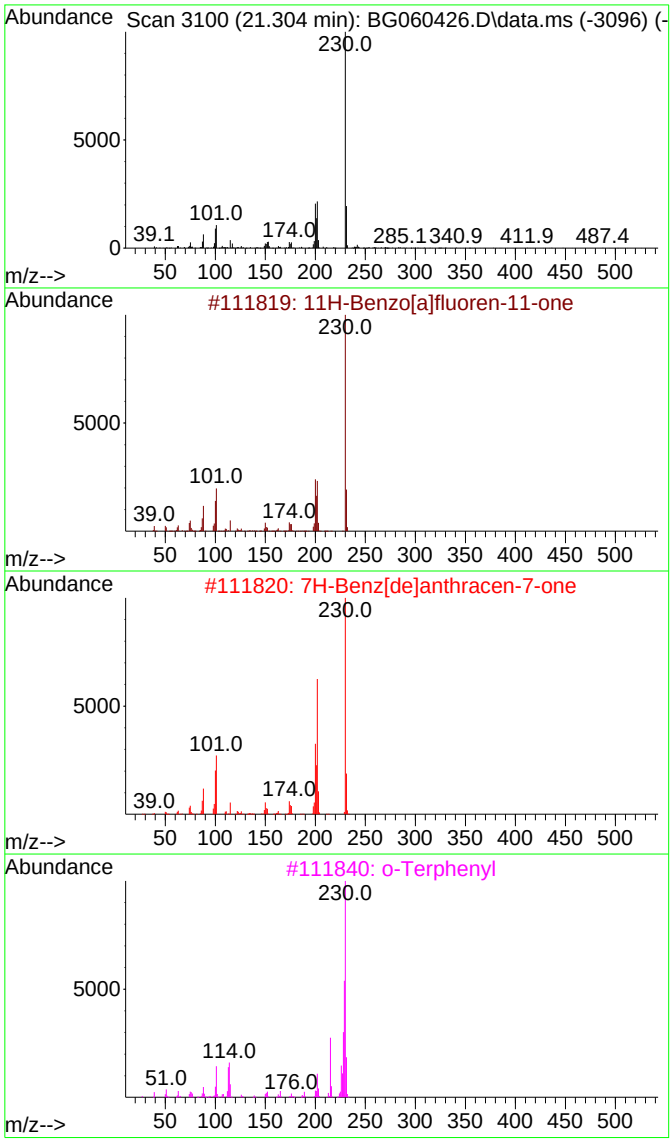
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

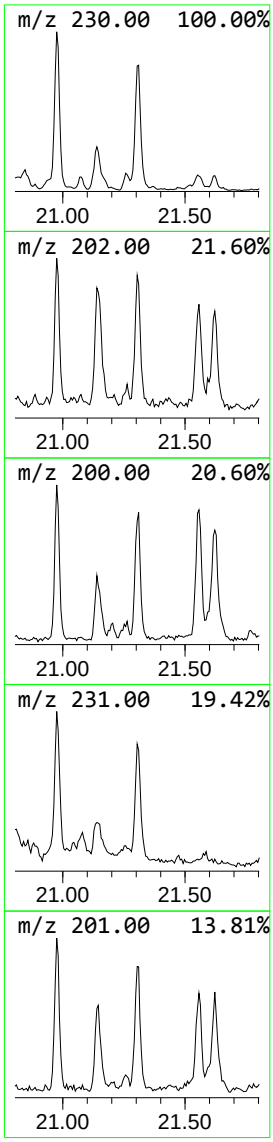
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.304	2.45 ng	1285770	Chrysene-d12	21.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	o-Terphenyl	230	C18H14	000084-15-1	64
4	Benzo(b)phenazine	230	C16H10N2	000257-97-6	50
5	m-Terphenyl	230	C18H14	000092-06-8	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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

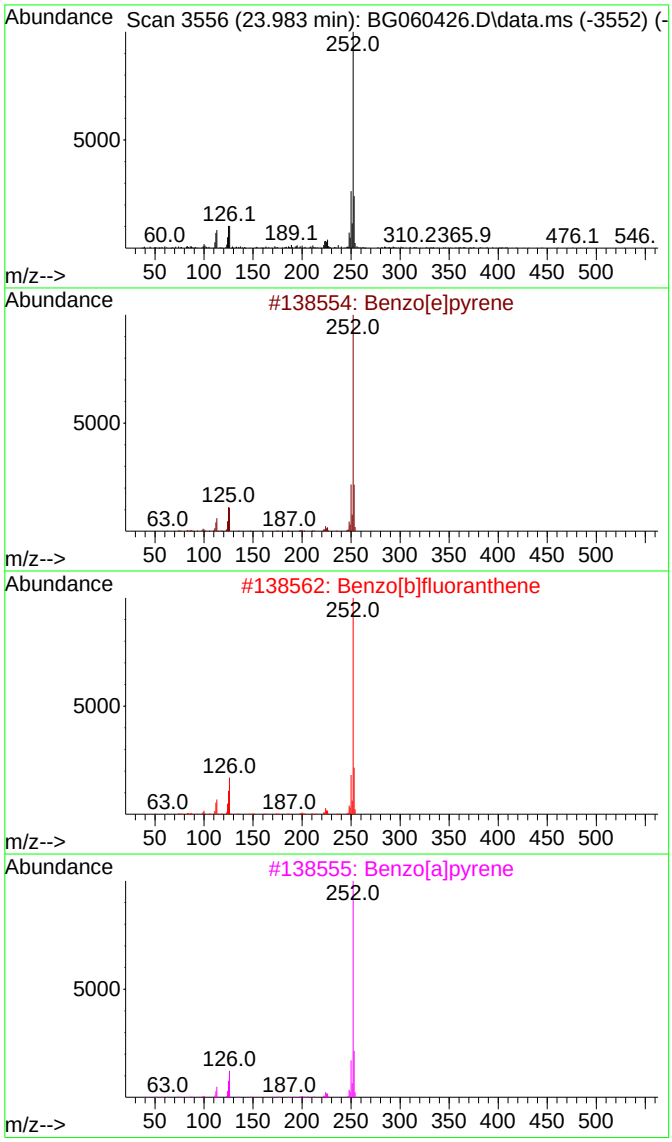
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

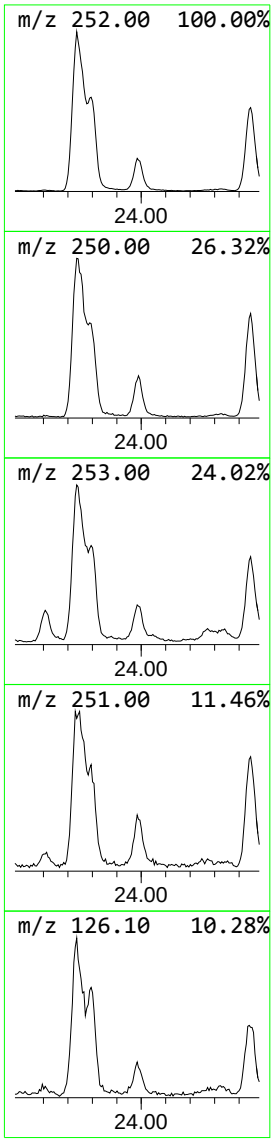
****

Peak Number 17 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.983	4.93 ng	861657	Perylene-d12	24.741

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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

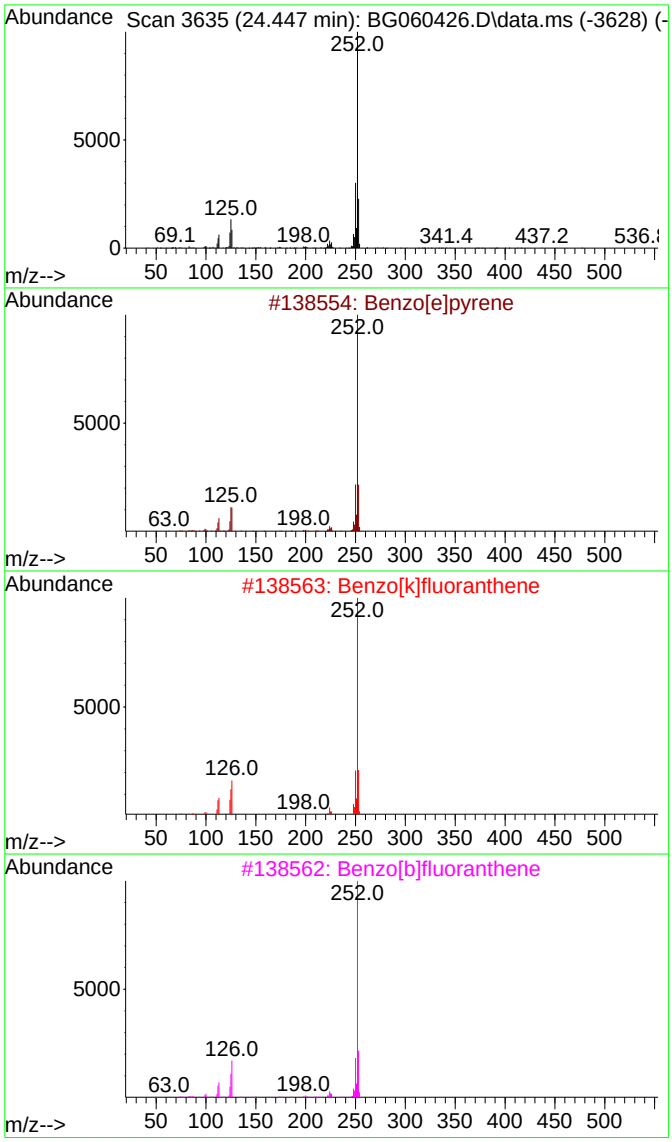
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

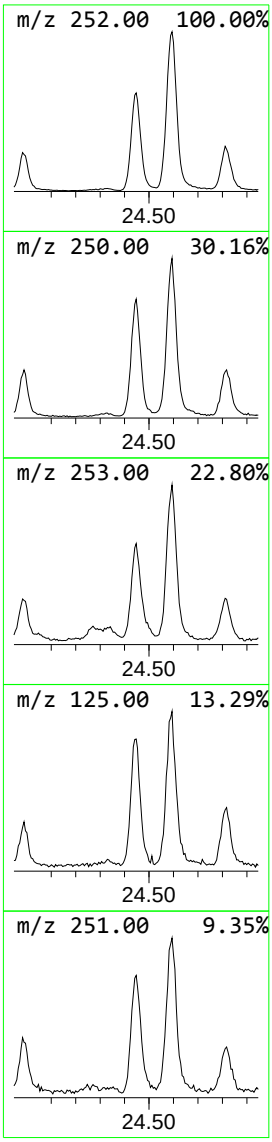
****

Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.447	17.83 ng	3117750	Perylene-d12	24.741

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012524\
Data File : BG060426.D
Acq On : 25 Jan 2024 13:49
Operator : MA/JU
Sample : P1248-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-012424

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
Butane, 2-metho...	3.119	10.1	ng	691878	1	7.925	1375130	20.0
Anthracene, 1-m...	18.190	5.8	ng	1022250	4	17.308	3499630	20.0
Phenanthrene, 2...	18.237	5.8	ng	1021330	4	17.308	3499630	20.0
Phenanthrene, 3...	18.319	2.8	ng	483381	4	17.308	3499630	20.0
4H-Cyclopenta[d...	18.384	8.3	ng	1449240	4	17.308	3499630	20.0
Naphthalene, 2-...	18.689	3.0	ng	534542	4	17.308	3499630	20.0
Phenanthrene, 2...	19.106	5.0	ng	872435	4	17.308	3499630	20.0
Cyclopenta(def)...	19.241	4.7	ng	821612	4	17.308	3499630	20.0
Pyrene, 1-methyl-	20.058	2.9	ng	1514450	5	21.574	10517400	20.0
11H-Benzo[b]flu...	20.223	2.5	ng	1288360	5	21.574	10517400	20.0
Pyrene, 2-methyl-	20.381	2.4	ng	1282880	5	21.574	10517400	20.0
11H-Benzo[a]flu...	20.975	2.3	ng	1199620	5	21.574	10517400	20.0
Benzo[b]naphtho...	21.157	2.4	ng	1263570	5	21.574	10517400	20.0
Benzo[c]phenant...	21.204	2.6	ng	1365330	5	21.574	10517400	20.0
unknown21.251	21.251	2.6	ng	1343680	5	21.574	10517400	20.0
7H-Benz[de]anth...	21.304	2.5	ng	1285770	5	21.574	10517400	20.0
Benzo[e]pyrene	23.983	4.9	ng	861657	6	24.741	3496790	20.0
Perylene	24.447	17.8	ng	3117750	6	24.741	3496790	20.0