LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
Data File : BG061123.D
Acq On : 6 May 2024 16:50
Operator : MA/JU
Sample : P2378-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-05032024

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-BG043024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG061123.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.160	23	29	38	rVB2	32962	65346	10.63%	1.382%
2	5.528	425	432	442	rVB	69357	119041	19.36%	2.518%
3	7.109	694	701	709	rBV	73409	131023	21.31%	2.772%
4	7.937	835	842	850	rBV	113791	187977	30.57%	3.977%
5	9.089	1030	1038	1046	rVB2	47238	84966	13.82%	1.797%
6	10.734	1309	1318	1324	rBV	137336	251106	40.83%	5.312%
7	10.781	1324	1326	1331	rVB2	5479	6538	1.06%	0.138%
8	13.184	1729	1735	1742	rBV	131739	194281	31.59%	4.110%
9	14.565	1961	1970	1977	rBV	222833	348947	56.75%	7.382%
10	14.624	1977	1980	1988	rVB	16137	24940	4.06%	0.528%
11	14.765	2000	2004	2005	rBV3	13429	15009	2.44%	0.318%
12	14.782	2005	2007	2014	rVB3	17154	21651	3.52%	0.458%
13	14.964	2032	2038	2041	rBV	9321	13118	2.13%	0.278%
14	15.611	2143	2148	2153	rBV2	23289	33693	5.48%	0.713%
15	16.051	2218	2223	2231	rBV	111713	179681	29.22%	3.801%
16	16.615	2315	2319	2324	rVB6	3488	6695	1.09%	0.142%
17	16.962	2375	2378	2382	rBV2	4484	6810	1.11%	0.144%
18	17.126	2402	2406	2413	rVB	13256	21773	3.54%	0.461%
19	17.314	2430	2438	2441	rBV	275742	428502	69.68%	9.065%
20	17.356	2441	2445	2450	rVV	180027	269104	43.76%	5.693%
21	17.444	2454	2460	2466	rVB	30554	44891	7.30%	0.950%
22	17.497	2466	2469	2474	rBV4	6156	8433	1.37%	0.178%
23	17.714	2501	2506	2511	rBV	19139	29862	4.86%	0.632%
24	17.896	2532	2537	2540	rBV4	7417	10043	1.63%	0.212%
25	18.043	2557	2562	2566	rVV6	5898	10021	1.63%	0.212%
26	18.190	2581	2587	2591	rBV2	23189	44285	7.20%	0.937%
27	18.237	2591	2595	2600	rVB	31328	48641	7.91%	1.029%
28	18.313	2606	2608	2614	rVB5	8666	11422	1.86%	0.242%
29	18.384	2614	2620	2624	rVV3	41226	76408	12.43%	1.616%
30	18.419	2624	2626	2631	rVB3	16900	20129	3.27%	0.426%
31	18.689	2665	2672	2675	rBV	17322	30268	4.92%	0.640%
32	18.730	2675	2679	2684	rVB4	24512	40596	6.60%	0.859%
33	18.983	2718	2722	2726	rBV6	9880	17374	2.83%	0.368%
34	19.106	2740	2743	2746	rBV5	15434	18385	2.99%	0.389%
35	19.242	2762	2766	2769	rBV4	17210	23436	3.81%	0.496%
36	19.371	2782	2788	2794	rBV	299921	432072	70.26%	9.140%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
Data File : BG061123.D
Acq On : 6 May 2024 16:50
Operator : MA/JU
Sample : P2378-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-05032024

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-BG043024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.606	2826	2828	2832	rVB5	11113	14078	2.29%	0.298%
38	19.729	2839	2849	2857	rBV	237455	434219	70.61%	9.186%
39	19.929	2878	2883	2888	rBV	234154	294245	47.85%	6.225%
40	20.223	2930	2933	2938	rVB	38853	52193	8.49%	1.104%
41	20.323	2948	2950	2954	rVB2	37997	40958	6.66%	0.866%
42	21.568	3155	3162	3168	rBV3	267473	614932	100.00%	13.009%

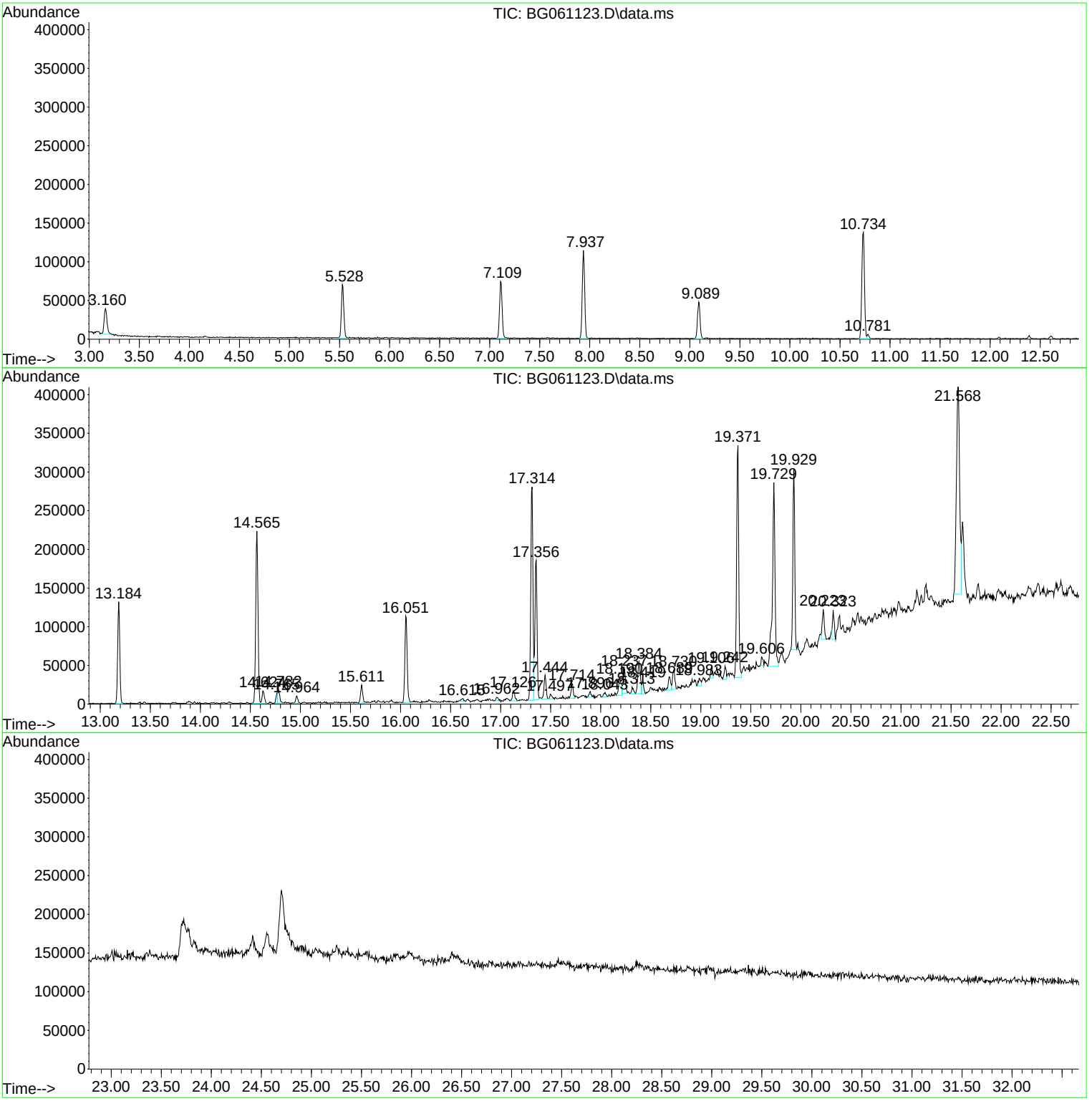
Sum of corrected areas: 4727092

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
Data File : BG061123.D
Acq On : 6 May 2024 16:50
Operator : MA/JU
Sample : P2378-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-05032024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.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\BG050624\
Data File : BG061123.D
Acq On : 6 May 2024 16:50
Operator : MA/JU
Sample : P2378-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-05032024

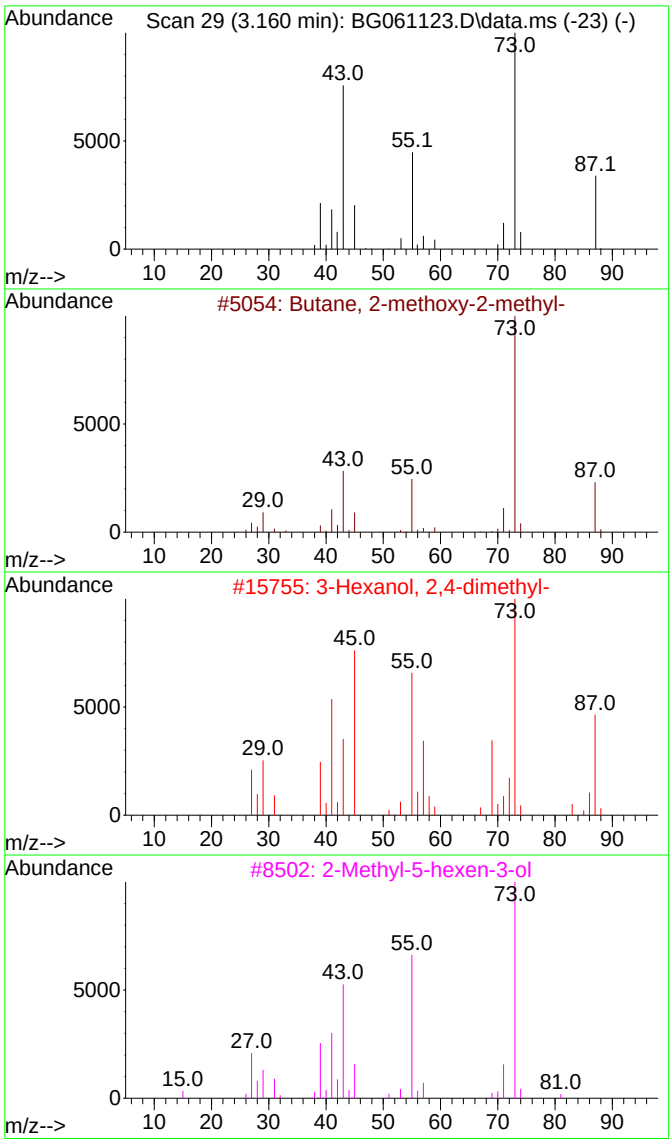
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

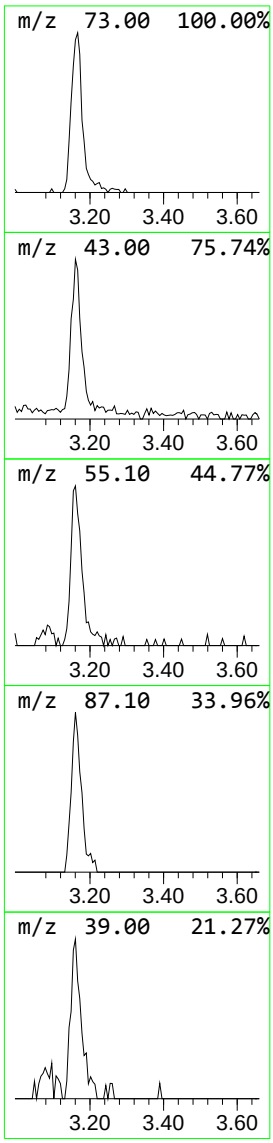
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.160	6.95 ng	65346	1,4-Dichlorobenzene-d4	7.937

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	3-Hexanol, 2,4-dimethyl-	130	C8H18O	013432-25-2	42
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	37
4	Acetic acid, hydrazide	74	C2H6N2O	001068-57-1	9
5	1-Propene-1-thiol	74	C3H6S	000925-89-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
Data File : BG061123.D
Acq On : 6 May 2024 16:50
Operator : MA/JU
Sample : P2378-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-05032024

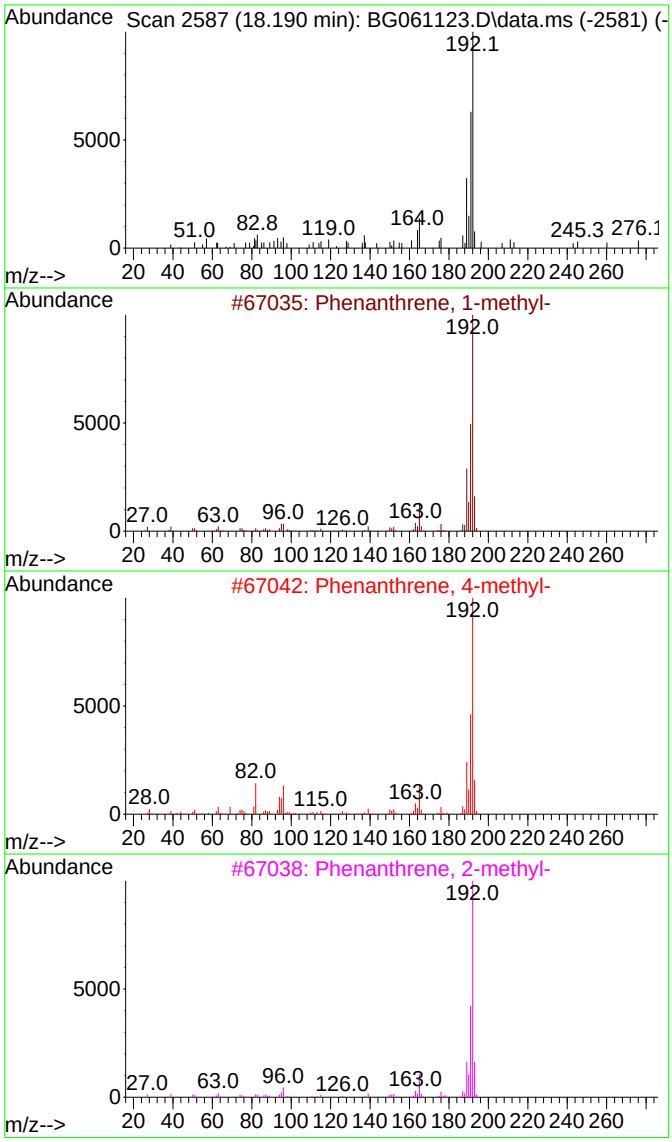
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

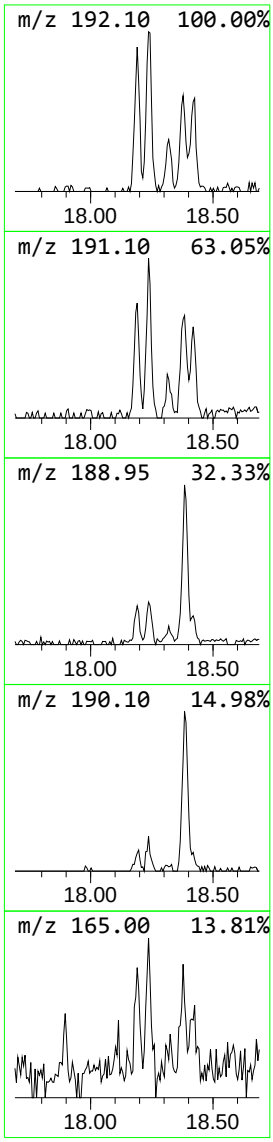
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.190	2.07 ng	44285	Phenanthrene-d10	17.314

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	68
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	68
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	68
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
Data File : BG061123.D
Acq On : 6 May 2024 16:50
Operator : MA/JU
Sample : P2378-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-05032024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

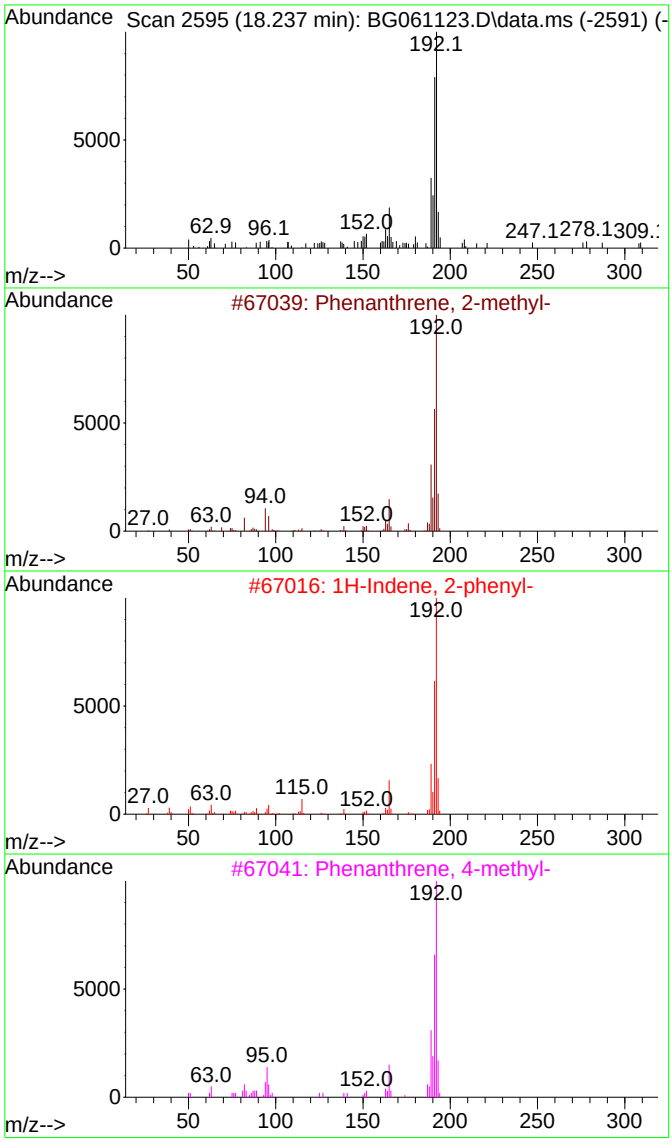
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

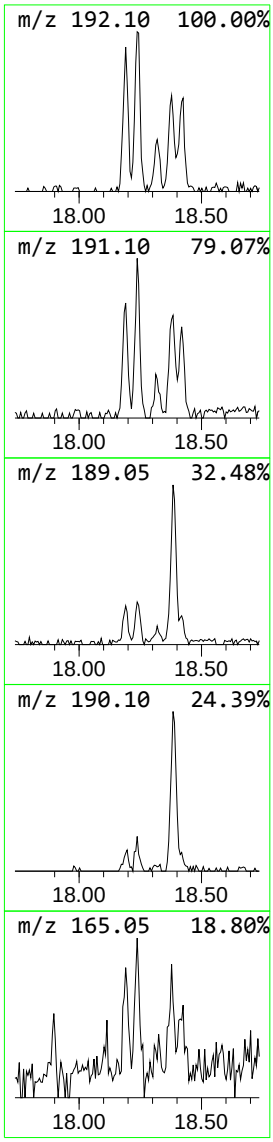
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.237	2.27 ng	48641	Phenanthrene-d10	17.314

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	72
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	68
4	2-Hydroxy-4-methyl-6-(2-thienyl)...	192	C9H8N2OS	026963-45-1	68
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
Data File : BG061123.D
Acq On : 6 May 2024 16:50
Operator : MA/JU
Sample : P2378-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-05032024

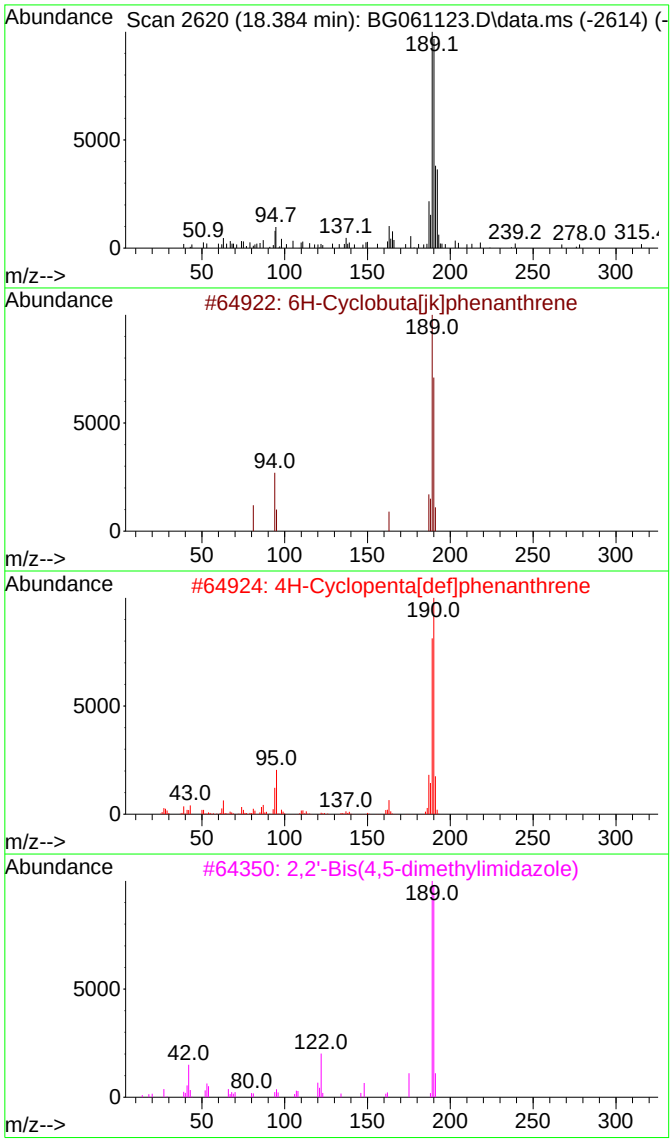
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

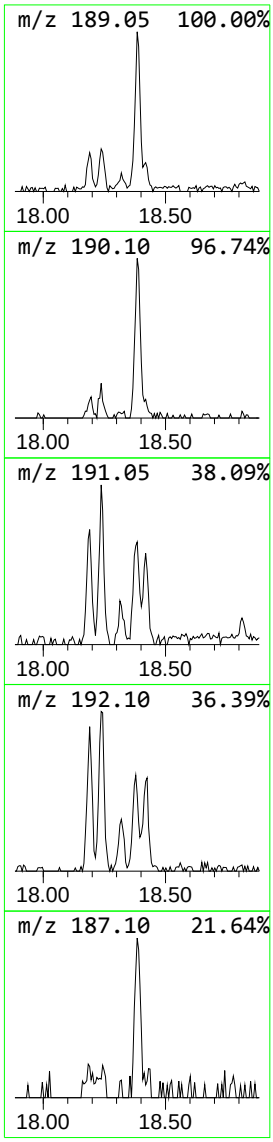
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 6H-Cyclobuta[jk]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.384	3.57 ng	76408	Phenanthrene-d10	17.314

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	1,1'-Biphenyl,3,3'-difluoro-	190	C12H8F2	000396-64-5	35
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
Data File : BG061123.D
Acq On : 6 May 2024 16:50
Operator : MA/JU
Sample : P2378-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-05032024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.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...	3.160	7.0	ng	65346	1	7.937	187977	20.0
Phenanthrene, 1...	18.190	2.1	ng	44285	4	17.314	428502	20.0
Phenanthrene, 2...	18.237	2.3	ng	48641	4	17.314	428502	20.0
6H-Cyclobuta[jk...	18.384	3.6	ng	76408	4	17.314	428502	20.0