LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

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-BG061322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054126.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.167	298	303	310	rBV	29451	49200	2.23%	0.191%
2	5.643	377	384	396	rBV	437685	770937	34.96%	3.000%
3	7.236	647	655	663	rBV	487669	886198	40.19%	3.449%
4	7.694	726	733	742	rBV2	11807	23014	1.04%	0.090%
5	8.070	789	797	803	rBV	94664	168644	7.65%	0.656%
6	9.233	983	995	1002	rBV	307017	578741	26.25%	2.252%
7	9.304	1002	1007	1016	rVB	21210	35183	1.60%	0.137%
8	10.878	1264	1275	1281	rBV	131010	277067	12.57%	1.078%
9	10.931	1281	1284	1293	rVB	38891	62946	2.85%	0.245%
10	13.323	1683	1691	1699	rBV	916924	1494081	67.76%	5.814%
11	13.522	1720	1725	1732	rVB3	16886	28179	1.28%	0.110%
12	14.697	1914	1925	1931	rVV	220372	364068	16.51%	1.417%
13	14.762	1931	1936	1942	rVB	45914	75132	3.41%	0.292%
14	15.097	1987	1993	1999	rBV	26572	44188	2.00%	0.172%
15	15.743	2097	2103	2114	rVB	38235	65191	2.96%	0.254%
16	16.184	2170	2178	2187	rBV	459570	736473	33.40%	2.866%
17	16.395	2210	2214	2217	rBV2	20969	32372	1.47%	0.126%
18	17.095	2328	2333	2340	rVB	24170	40785	1.85%	0.159%
19	17.189	2340	2349	2354	rBV3	28317	52531	2.38%	0.204%
20	17.253	2354	2360	2368	rVB2	25174	52117	2.36%	0.203%
21	17.441	2385	2392	2395	rBV	265650	427012	19.37%	1.662%
22	17.482	2395	2399	2406	rVV	425534	690424	31.31%	2.687%
23	17.570	2406	2414	2420	rVV	110530	199053	9.03%	0.775%
24	17.629	2420	2424	2431	rVB	13656	24117	1.09%	0.094%
25	17.841	2450	2460	2467	rBV2	61765	124375	5.64%	0.484%
26	17.929	2471	2475	2478	rBV4	16636	22458	1.02%	0.087%
27	18.323	2532	2542	2545	rBV	63615	108734	4.93%	0.423%
28	18.364	2545	2549	2556	rVB	73229	122818	5.57%	0.478%
29	18.446	2557	2563	2569	rBV	31999	57901	2.63%	0.225%
30	18.516	2569	2575	2579	rBV3	104498	190888	8.66%	0.743%
31	18.622	2588	2593	2596	rBV2	20262	28713	1.30%	0.112%
32	18.810	2621	2625	2629	rBV	51630	72108	3.27%	0.281%
33	18.851	2629	2632	2640	rVB3	33768	52903	2.40%	0.206%
34	19.145	2678	2682	2686	rVB4	17320	26195	1.19%	0.102%
35	19.227	2691	2696	2702	rBV2	34185	84269	3.82%	0.328%
36	19.368	2716	2720	2727	rBV	36195	66503	3.02%	0.259%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

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-BG061322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.498	2735	2742	2747	rBV	1042043	1565517	71.00%	6.092%
38	19.550	2748	2751	2754	rBV	18094	25182	1.14%	0.098%
39	19.586	2754	2757	2762	rVB	25309	38236	1.73%	0.149%
40	19.739	2779	2783	2791	rVB	40405	76806	3.48%	0.299%
41	19.856	2792	2803	2810	rBV	1180734	2204966	100.00%	8.581%
42	19.921	2811	2814	2817	rVV2	43405	63024	2.86%	0.245%
43	19.956	2818	2820	2824	rVB	35837	42814	1.94%	0.167%
44	20.050	2829	2836	2841	rVV	1534379	2187507	99.21%	8.513%
45	20.091	2841	2843	2849	rVB	75947	94838	4.30%	0.369%
46	20.185	2852	2859	2864	rBV2	78616	202748	9.20%	0.789%
47	20.314	2877	2881	2882	rBV3	36128	51970	2.36%	0.202%
48	20.344	2882	2886	2891	rVB	208000	324799	14.73%	1.264%
49	20.444	2899	2903	2907	rBV	175973	244327	11.08%	0.951%
50	20.508	2908	2914	2917	rVV2	102808	193481	8.77%	0.753%
51	20.538	2917	2919	2923	rVB	72489	88080	3.99%	0.343%
52	20.643	2934	2937	2940	rBV	53596	64669	2.93%	0.252%
53	20.690	2942	2945	2953	rVB2	62616	102255	4.64%	0.398%
54	21.107	3013	3016	3024	rVB	73859	123808	5.61%	0.482%
55	21.296	3043	3048	3052	rBV	101699	181499	8.23%	0.706%
56	21.343	3052	3056	3060	rVV2	176369	328988	14.92%	1.280%
57	21.390	3061	3064	3069	rVV3	134113	235334	10.67%	0.916%
58	21.437	3070	3072	3084	rVB2	77409	145039	6.58%	0.564%
59	21.701	3111	3117	3124	rBV3	810077	1906343	86.46%	7.419%
60	21.771	3124	3129	3141	rVB	647486	1239453	56.21%	4.823%
61	21.918	3149	3154	3161	rBV2	147384	275353	12.49%	1.072%
62	22.124	3184	3189	3197	rVB2	112970	225768	10.24%	0.879%
63	23.957	3491	3501	3508	rBV	491754	1745480	79.16%	6.793%
64	24.210	3539	3544	3551	rVB	78512	183041	8.30%	0.712%
65	24.686	3617	3625	3638	rVB2	279256	903290	40.97%	3.515%
66	24.833	3641	3650	3664	rVB	390296	1184400	53.72%	4.609%
67	24.985	3668	3676	3683	rBV3	151300	475186	21.55%	1.849%
68	28.716	4303	4311	4333	rVB3	164090	836688	37.95%	3.256%

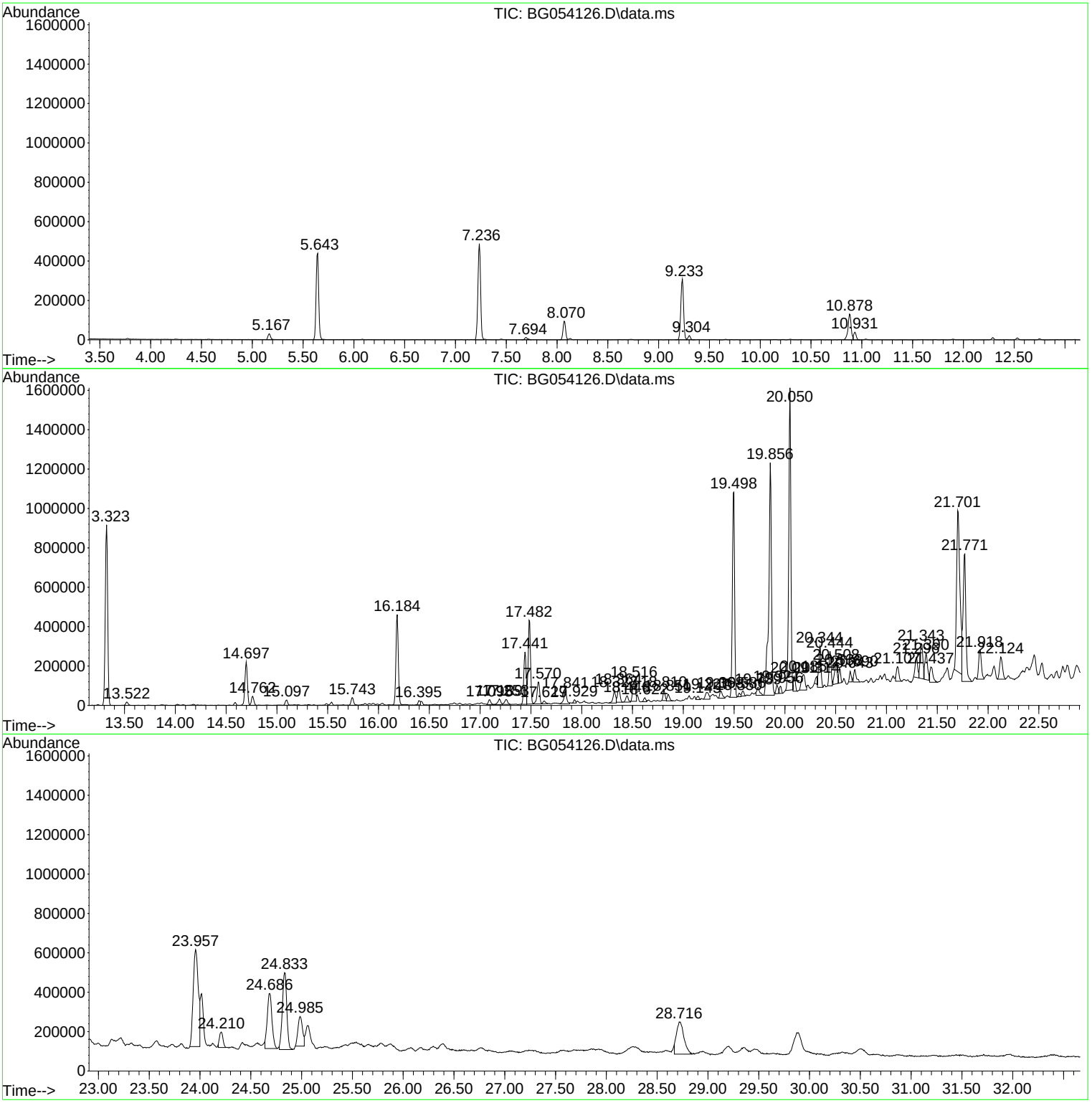
Sum of corrected areas: 25696407

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.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\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

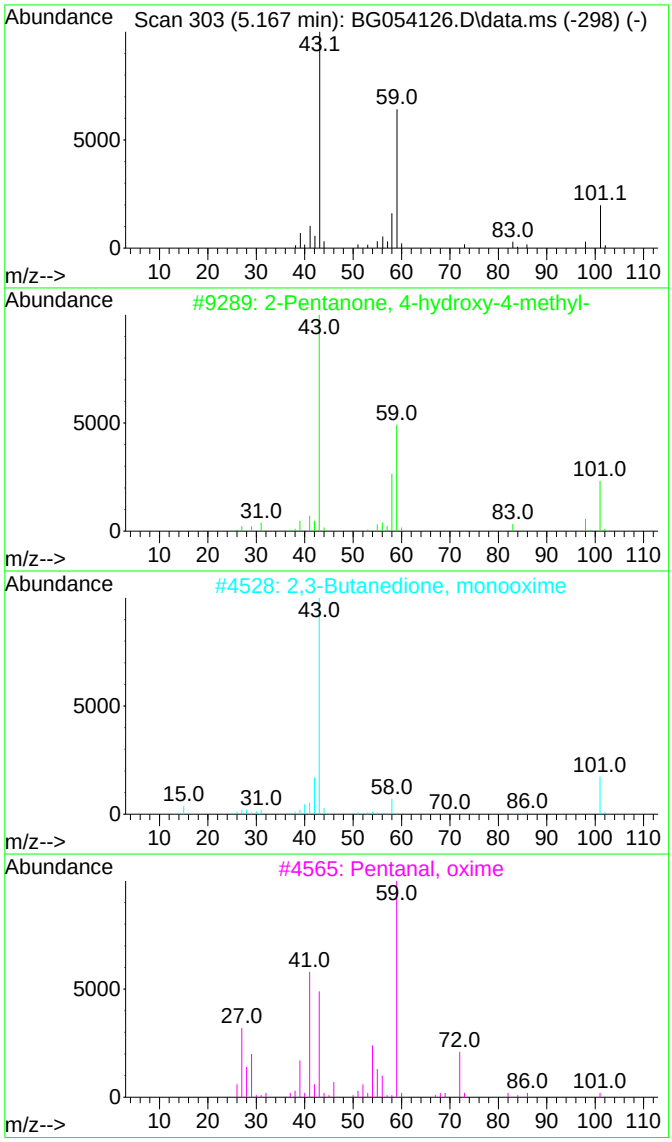
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

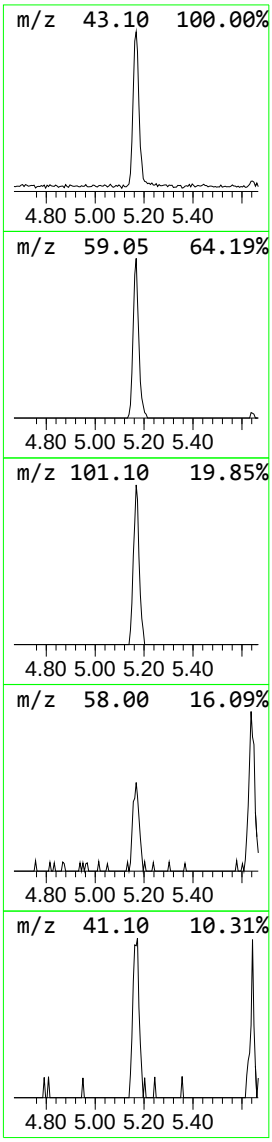
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.167	5.83 ng	49200	1,4-Dichlorobenzene-d4	8.076

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	32
3	Pentanal, oxime	101	C5H11NO	000628-79-5	25
4	3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	25
5	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

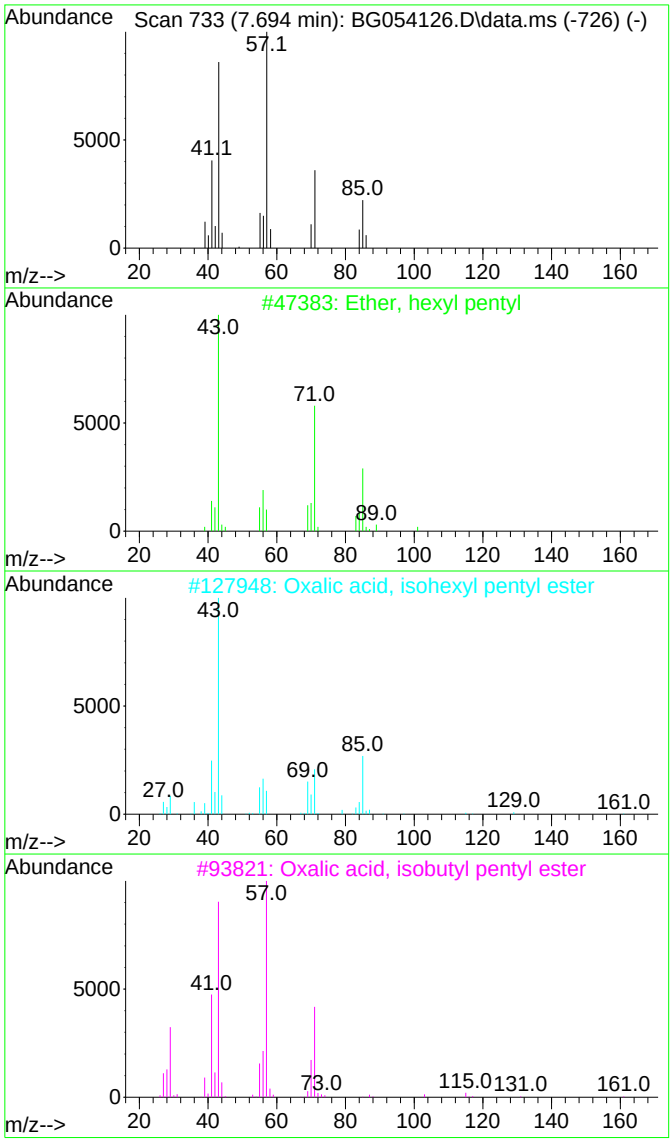
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

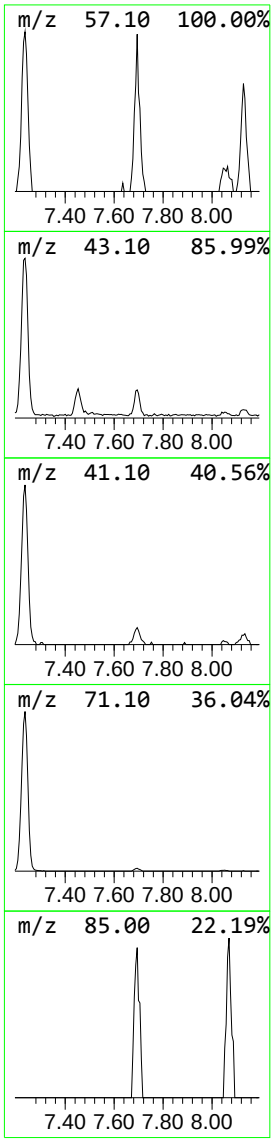
****

Peak Number 2 Ether, hexyl pentyl Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.694	2.73 ng	23014	1,4-Dichlorobenzene-d4	8.076

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether, hexyl pentyl	172	C11H24O	032357-83-8	64
2	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	53
3	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	50
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	47
5	Octane	114	C8H18	000111-65-9	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

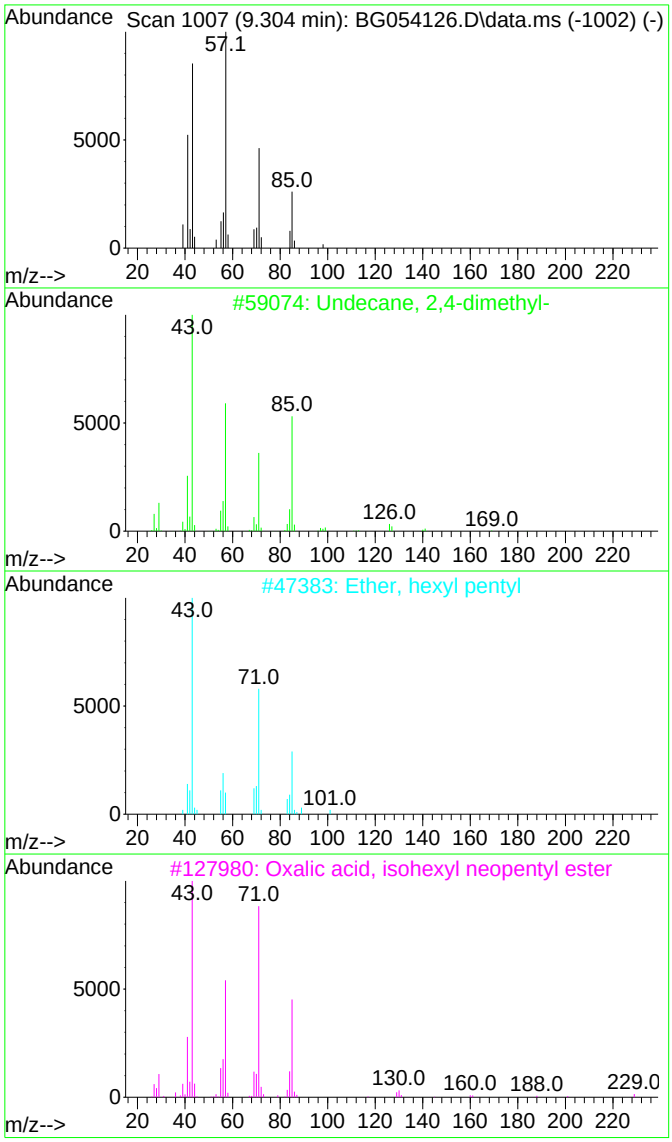
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

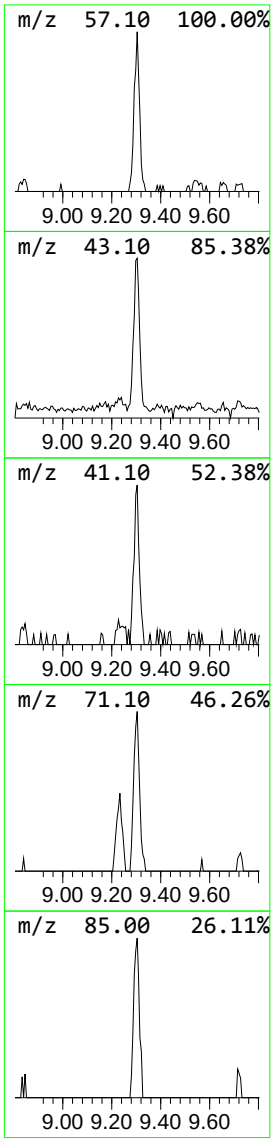
****

Peak Number 3 Undecane, 2,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.304	4.17 ng	35183	1,4-Dichlorobenzene-d4	8.076

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	64
2	Ether, hexyl pentyl	172	C11H24O	032357-83-8	64
3	Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	59
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

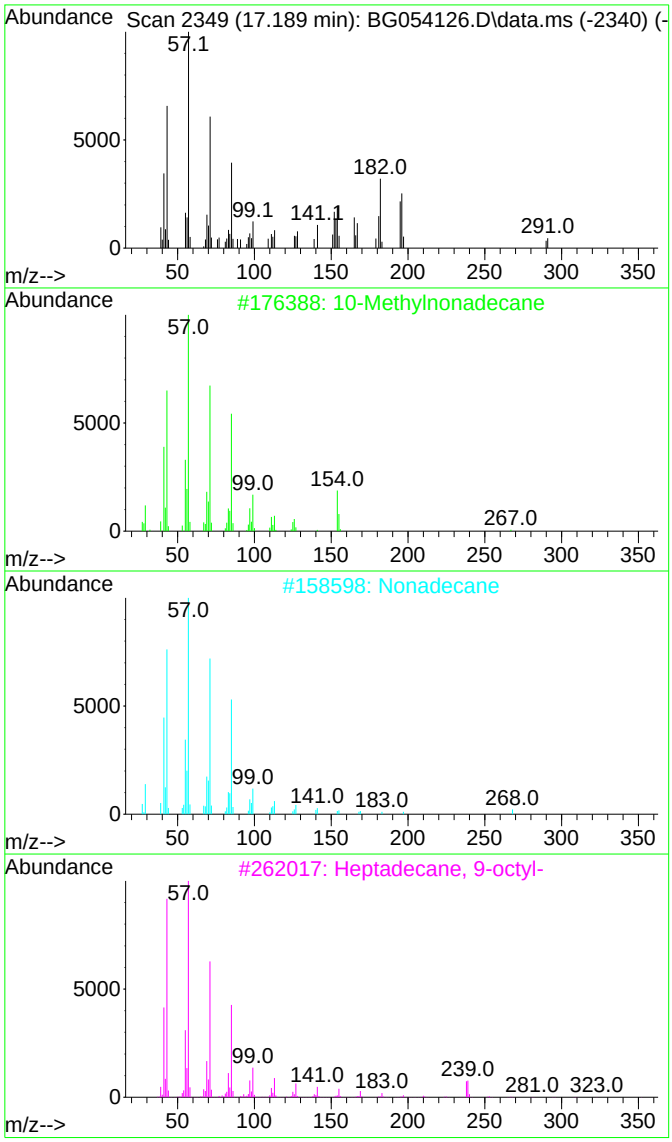
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

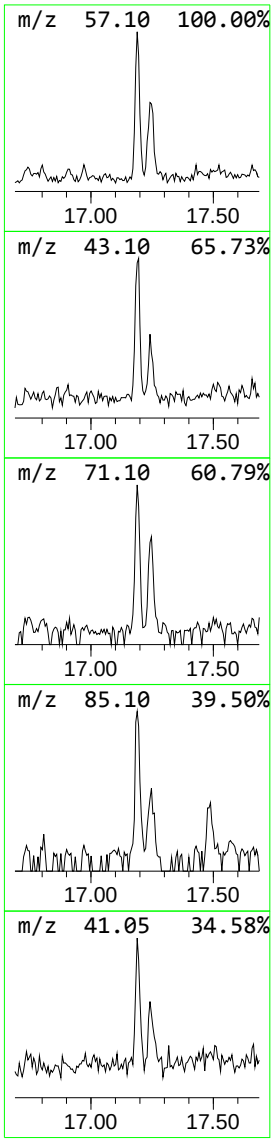
****

Peak Number 4 unknown17.189 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.189	2.46 ng	52531	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	056862-62-5	46
2	Nonadecane	268	C19H40	000629-92-5	46
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	41
4	Hexacosane	366	C26H54	000630-01-3	41
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

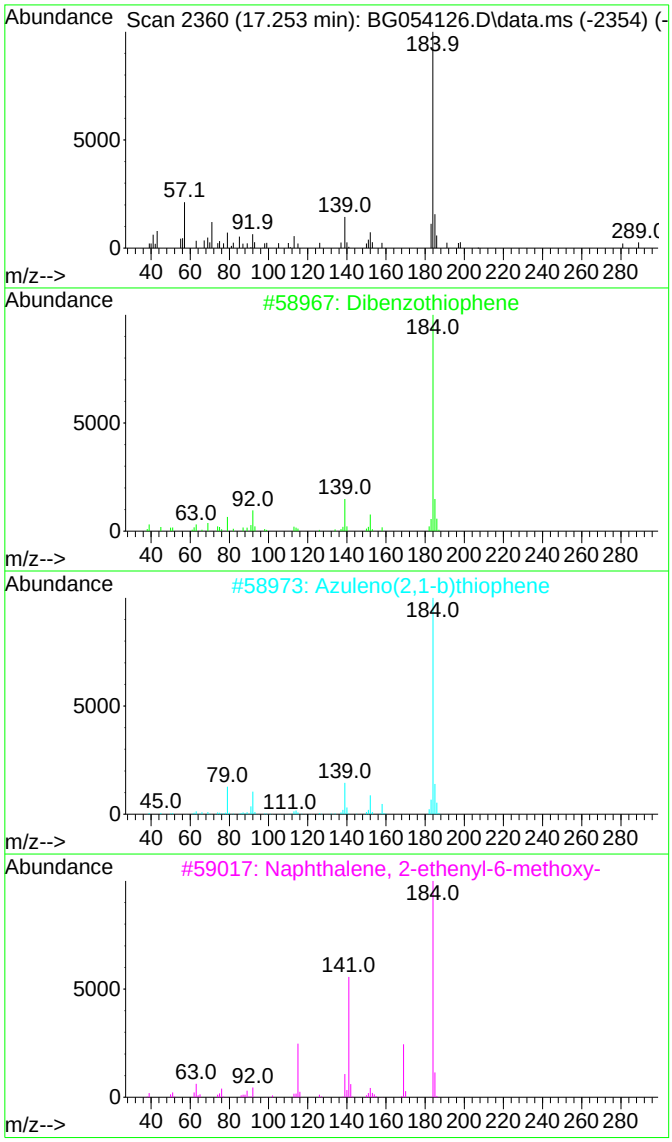
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

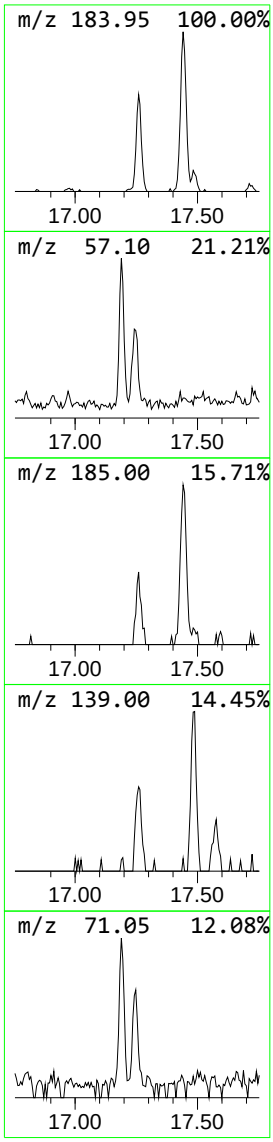
****

Peak Number 5 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.253	2.44 ng	52117	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	91
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	78
3	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	72
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

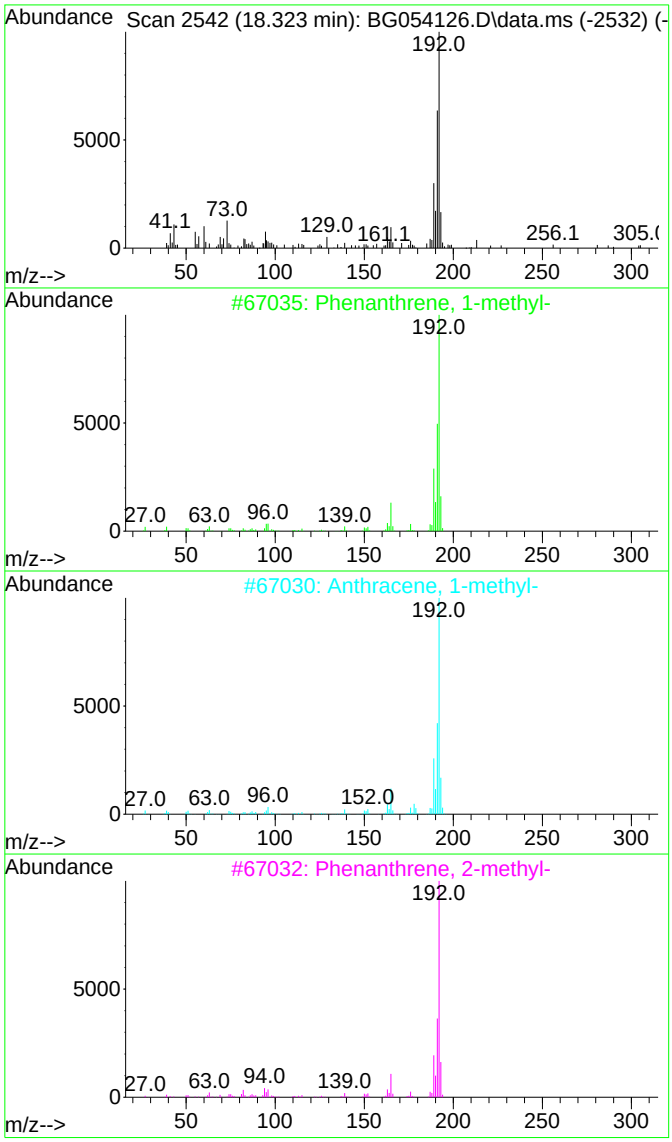
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

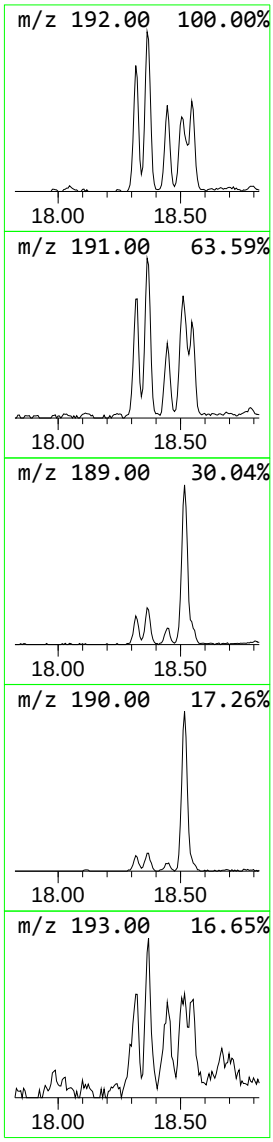
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.323	5.09 ng	108734	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

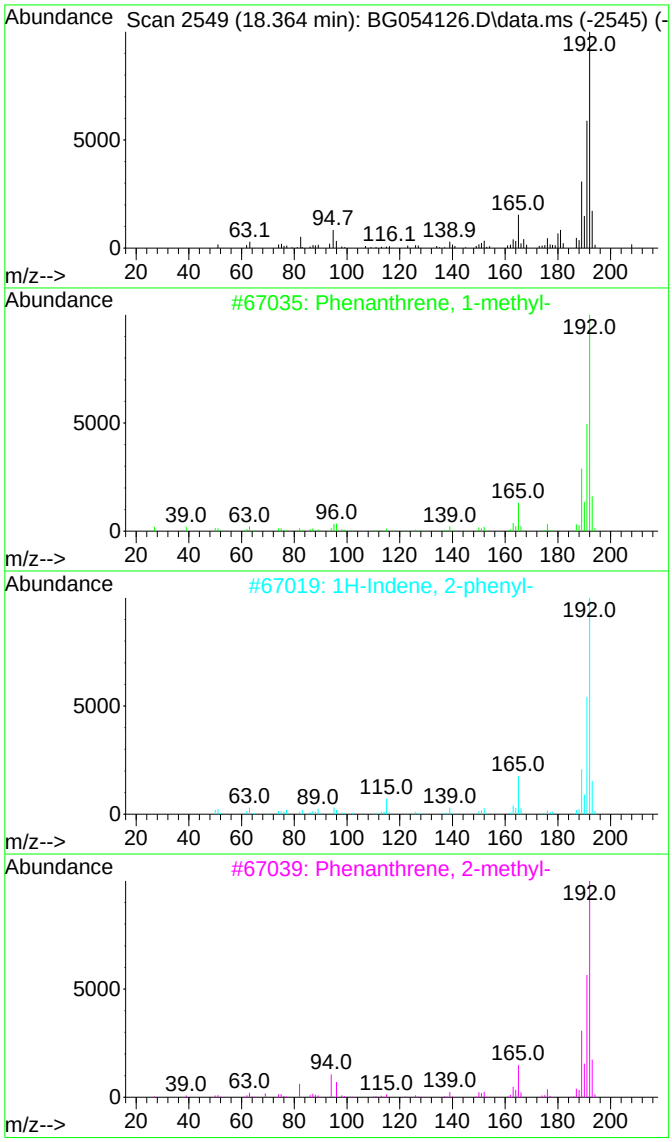
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

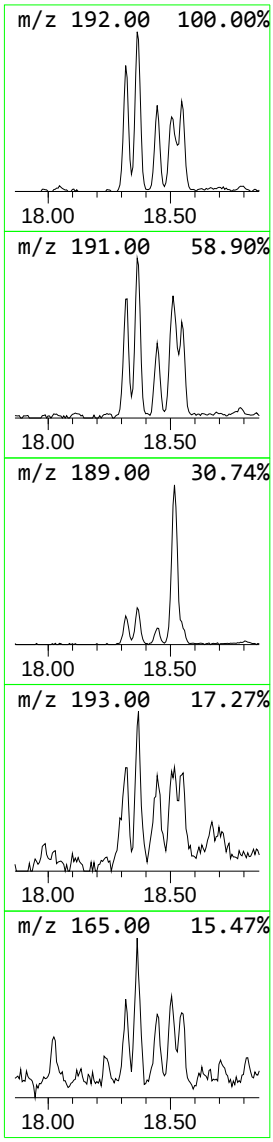
****

Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.364	5.75 ng	122818	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

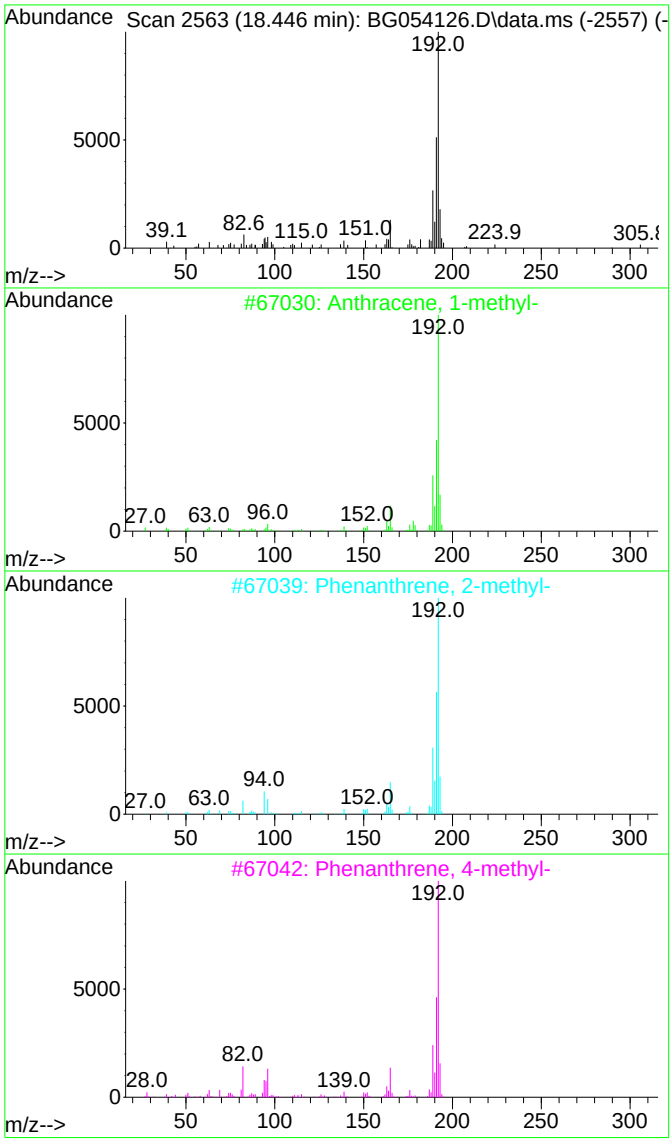
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

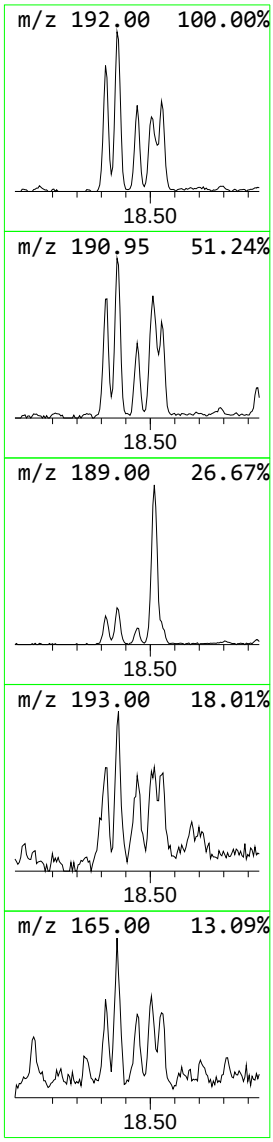
****

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.446	2.71 ng	57901	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

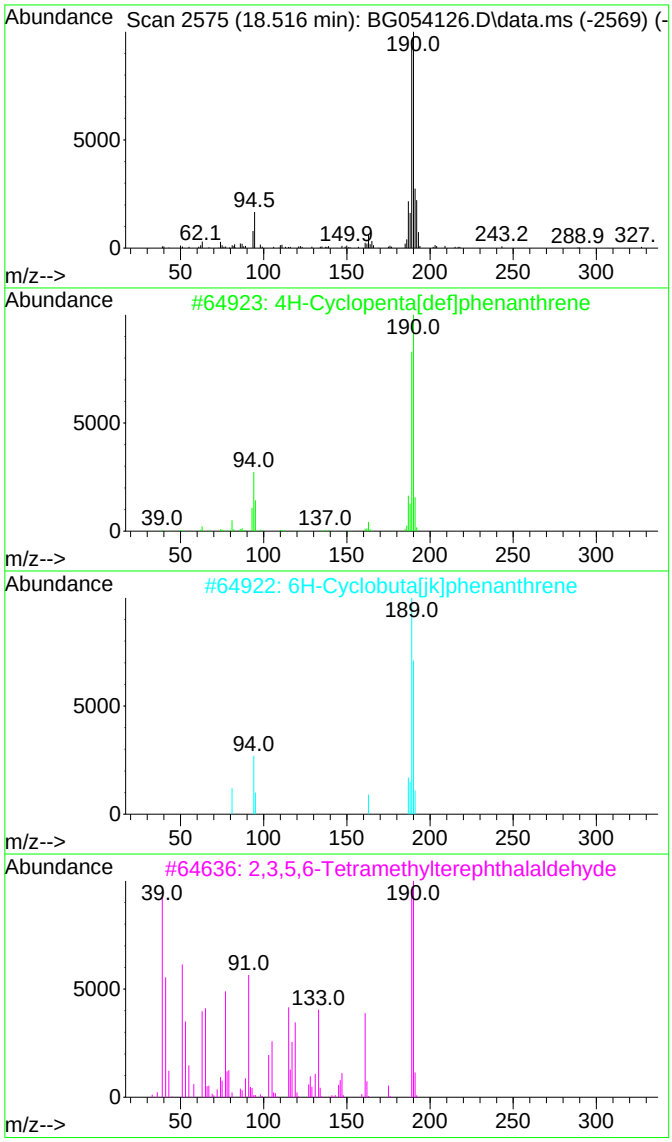
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

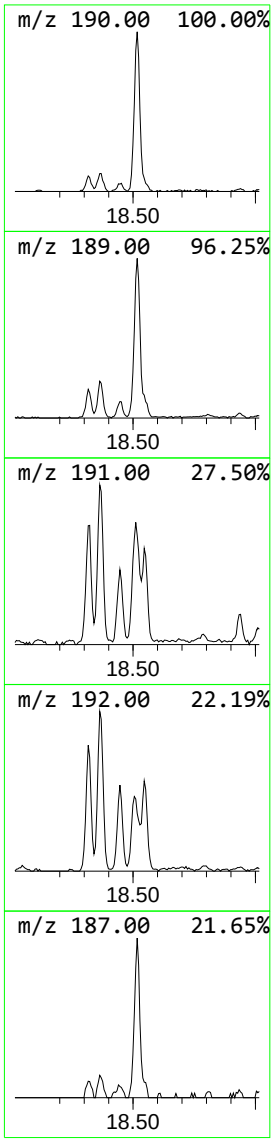
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.516	8.94 ng	190888	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

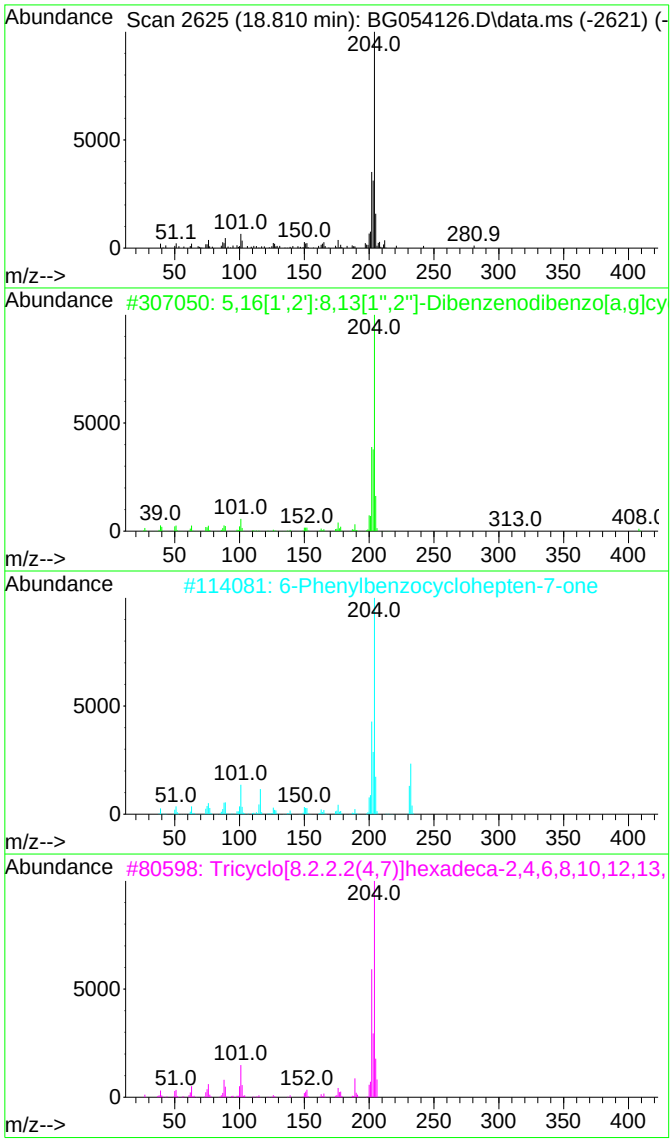
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

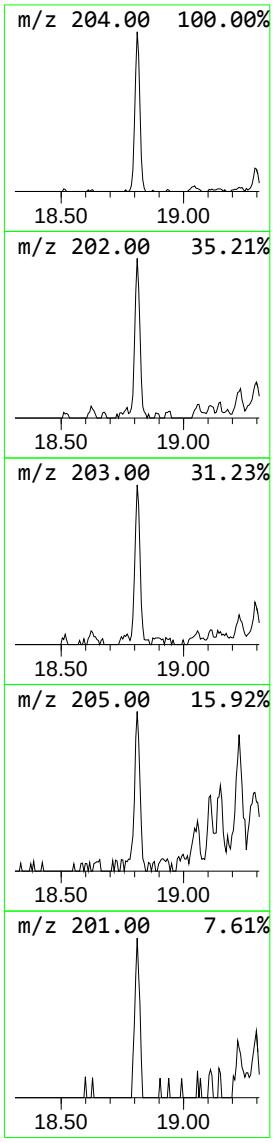
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.810	3.38 ng	72108	Phenanthrene-d10	17.441

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	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	78
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

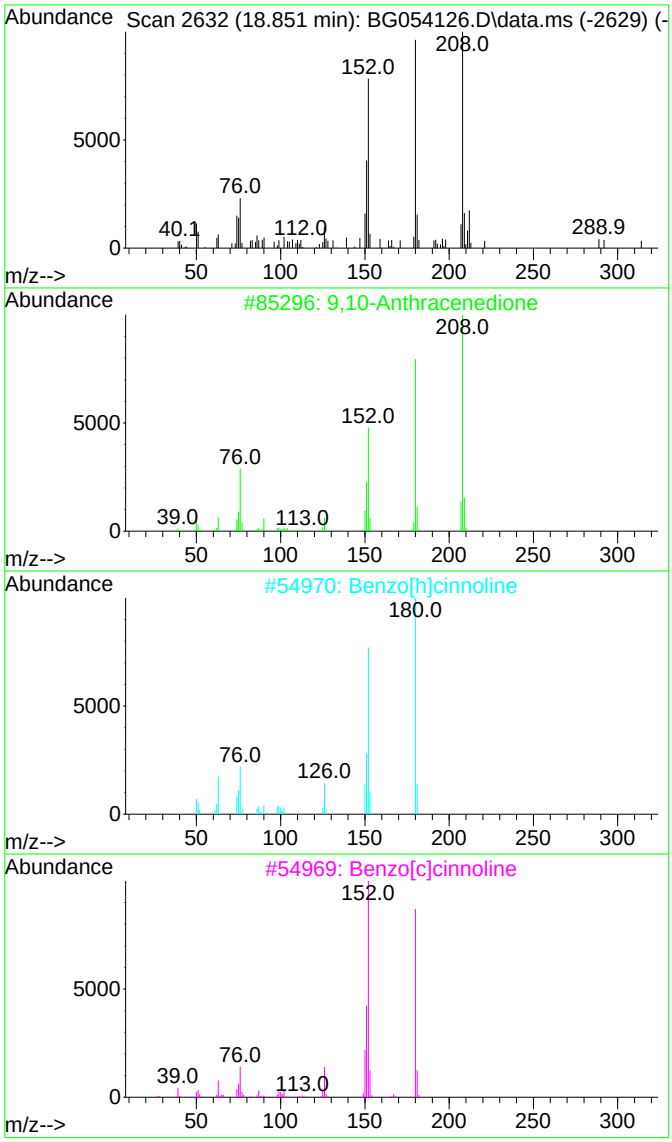
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

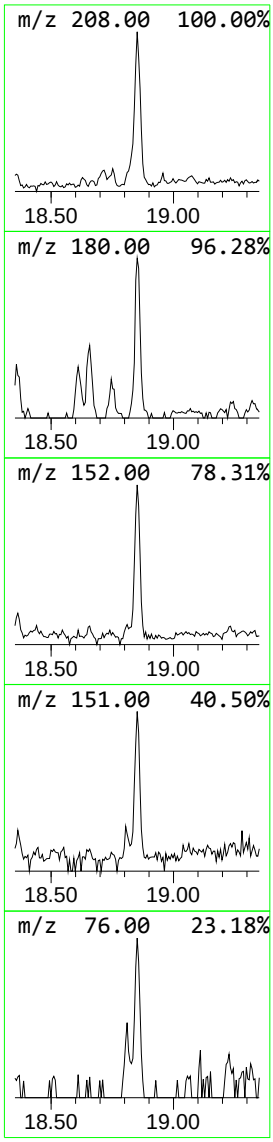
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.851	2.48 ng	52903	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

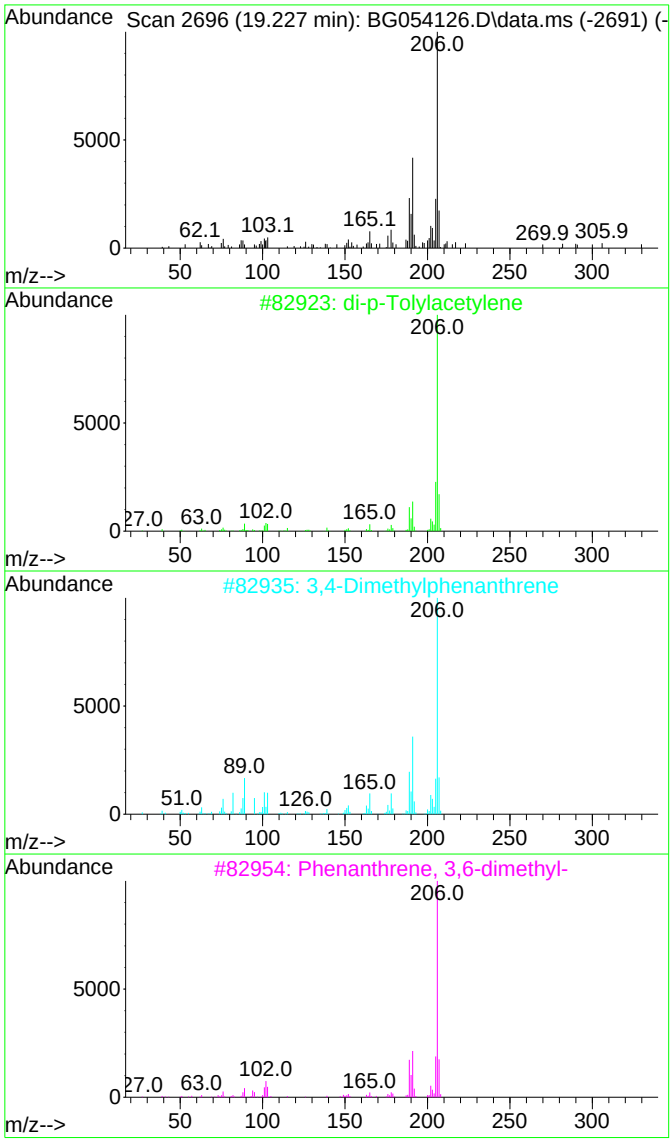
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

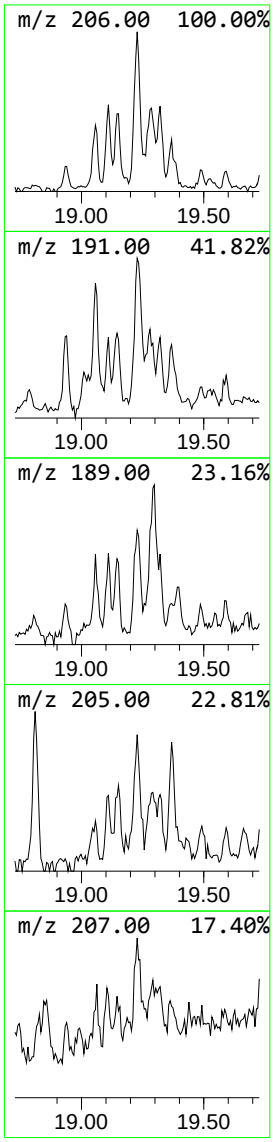
****

Peak Number 12 di-p-Tolylacetylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.227	3.95 ng	84269	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

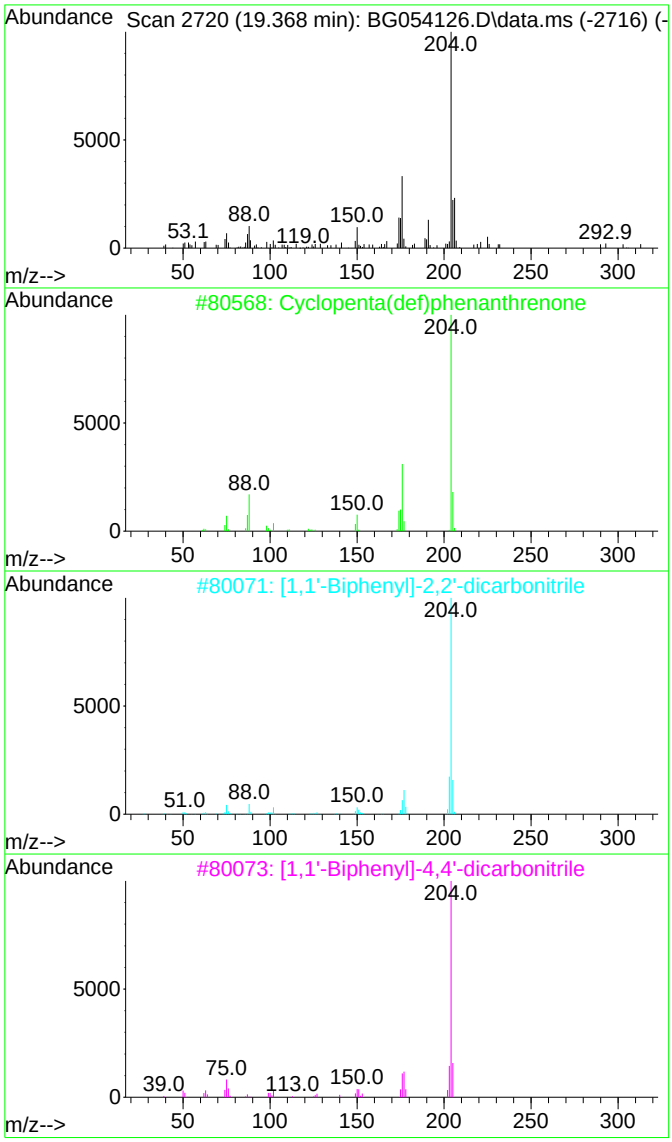
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

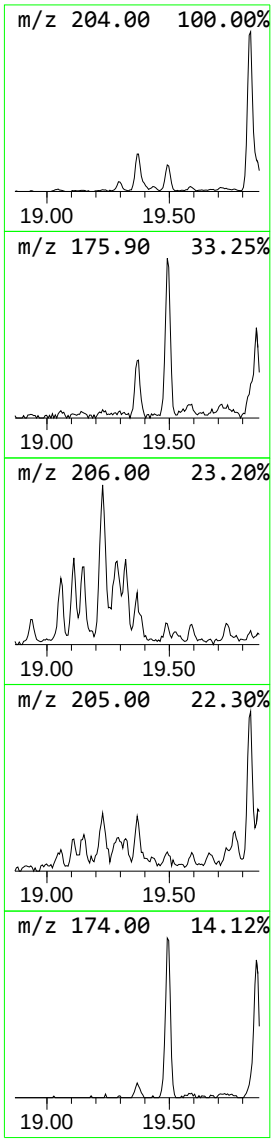
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.368	3.11 ng	66503	Phenanthrene-d10	17.441

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	45
5	Ethyl 3-amino-4,6-dimethylthieno...	250	C12H14N2O2S	052505-56-3	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

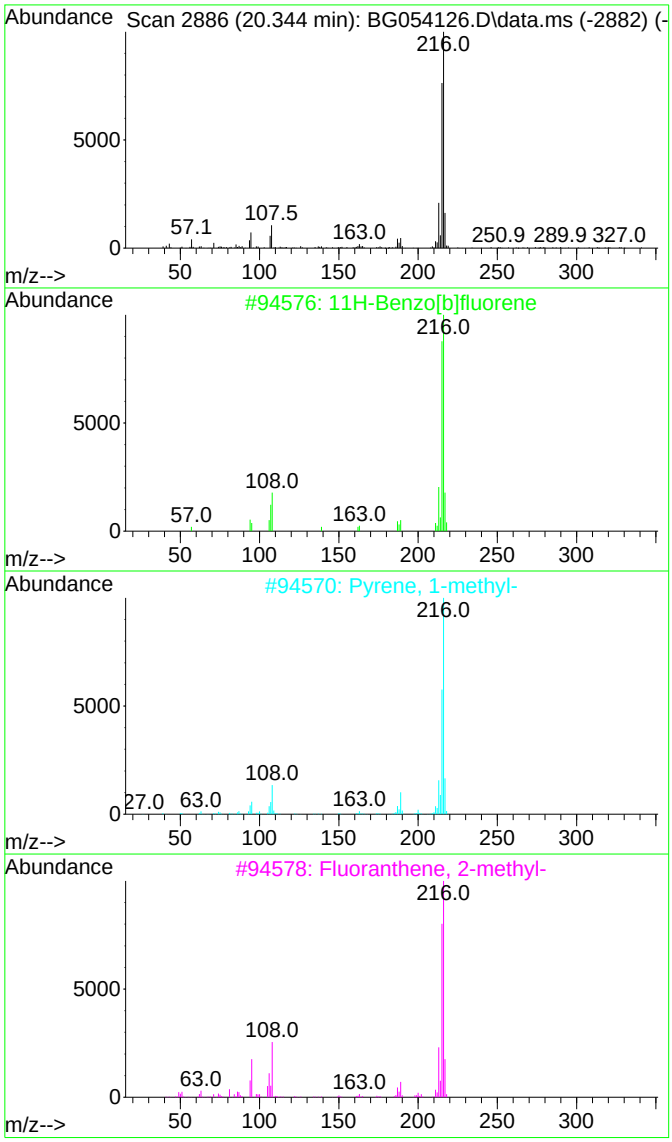
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

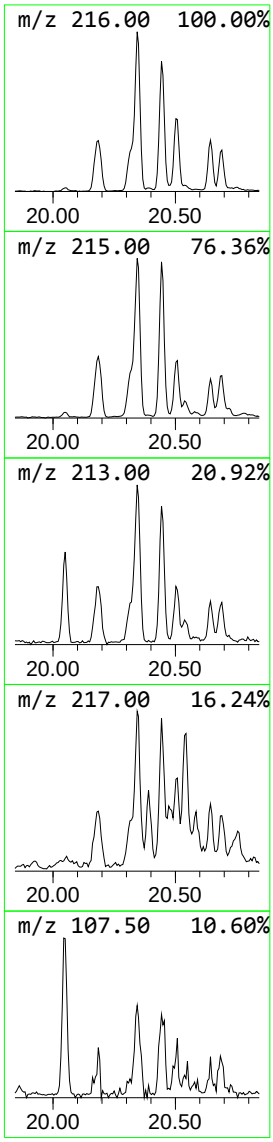
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.344	3.41 ng	324799	Chrysene-d12	21.724

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	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

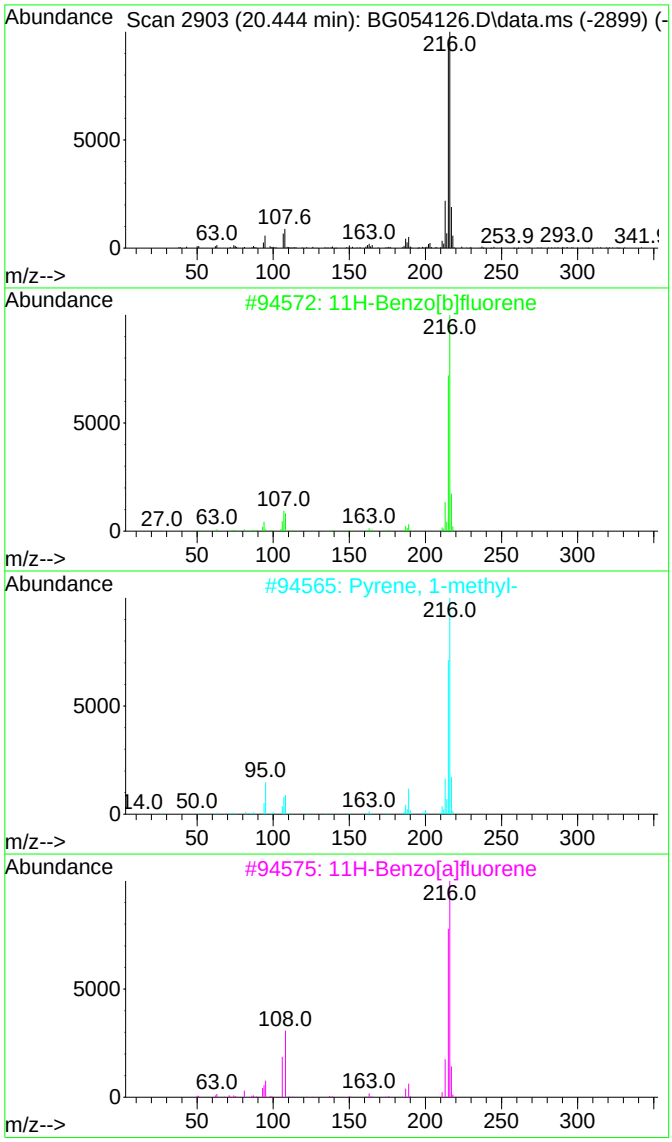
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

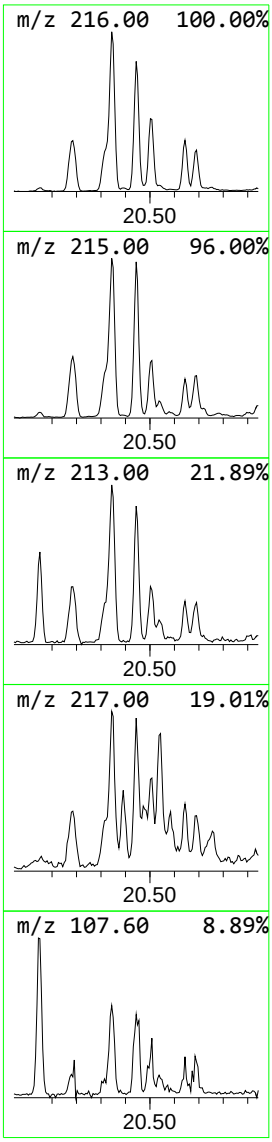
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.444	2.56 ng	244327	Chrysene-d12	21.724

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

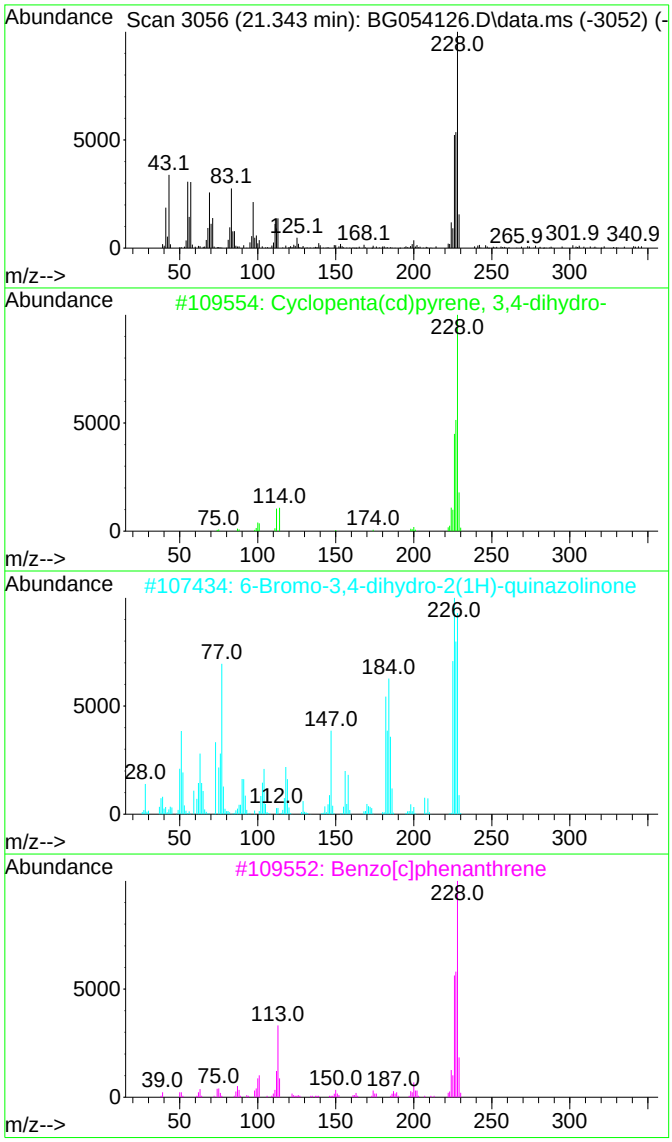
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

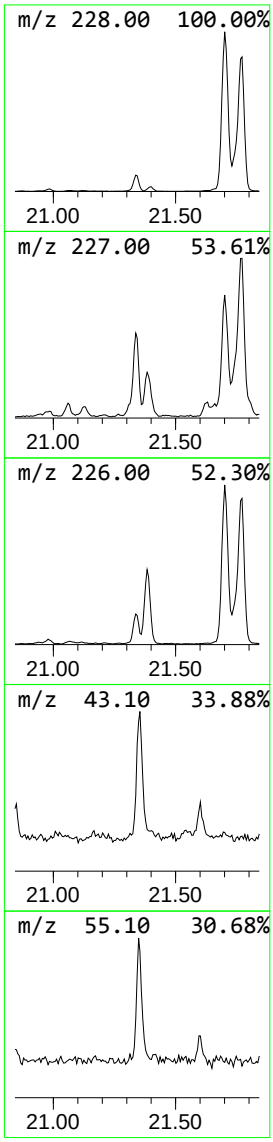
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.343	3.45 ng	328988	Chrysene-d12	21.724

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
2	6-Bromo-3,4-dihydro-2(1H)-quinaz...	226	C8H7BrN2O	1246765-38-7	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
4	Chrysene	228	C18H12	000218-01-9	46
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

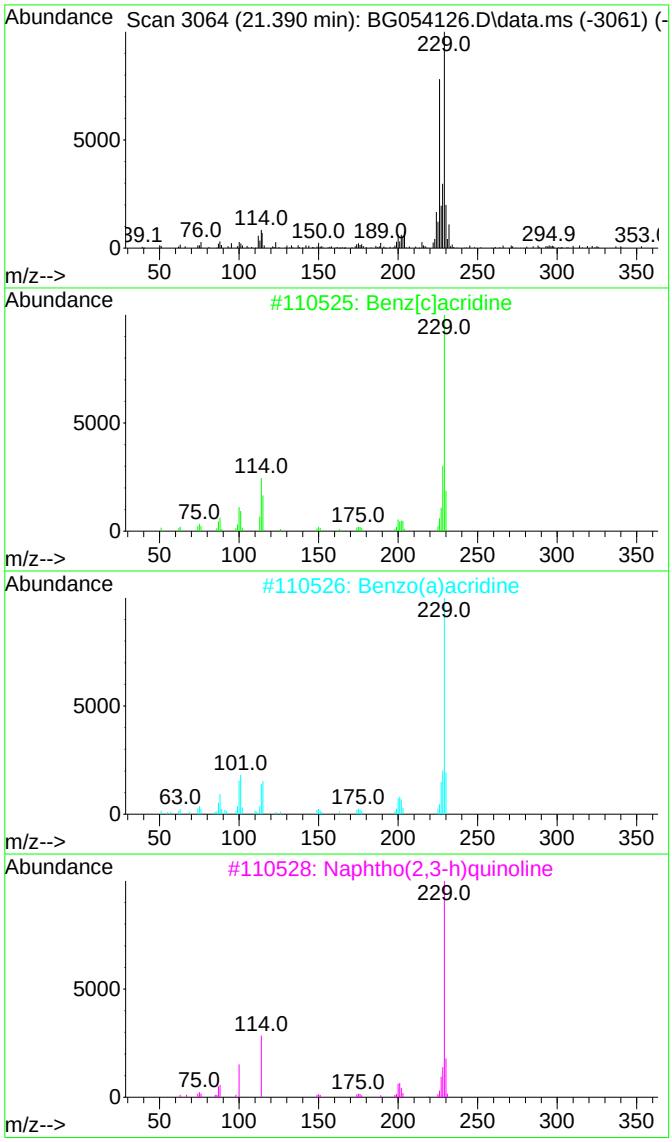
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

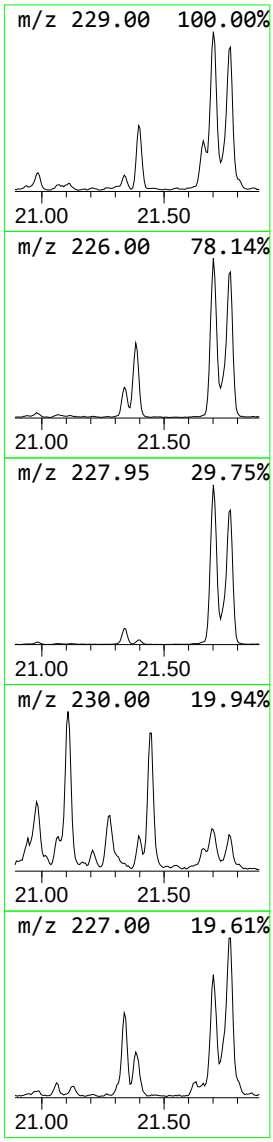
****

Peak Number 17 Benz[c]acridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.390	2.47 ng	235334	Chrysene-d12	21.724

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	55
2	Benzo(a)acridine	229	C17H11N	000225-11-6	41
3	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	38
4	L-Isoleucine, N,N-di(3-methylbut...	285	C17H35NO2	1000452-95-1	35
5	5H-Dibenz[b,f]azepine, 3-chloro-...	229	C14H12ClN	032943-25-2	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

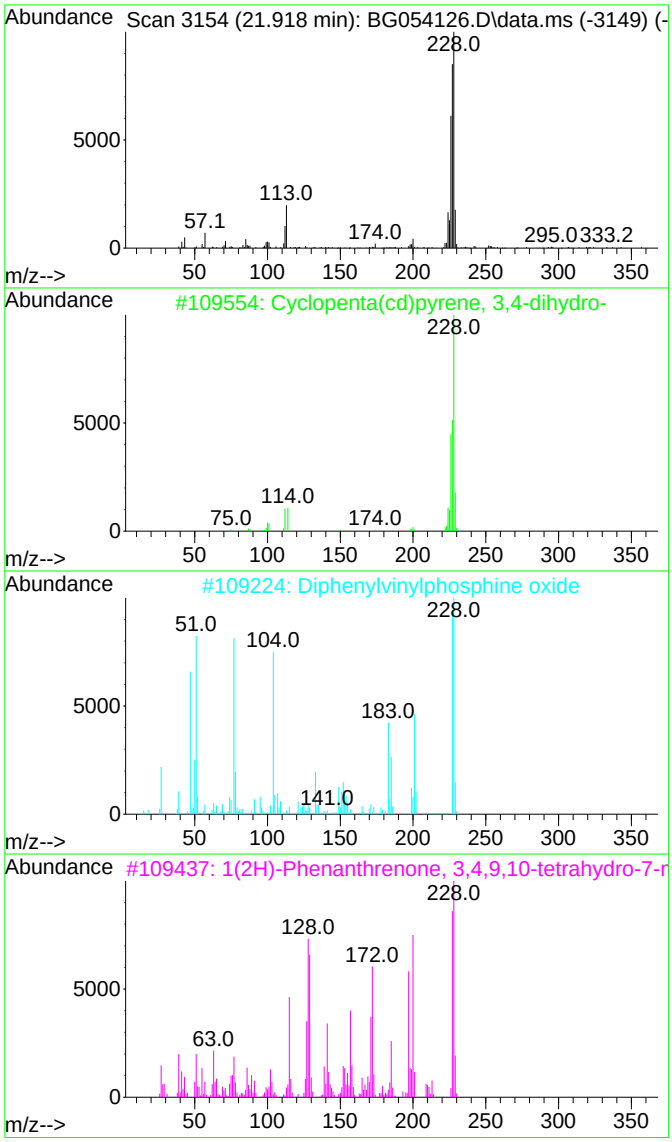
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

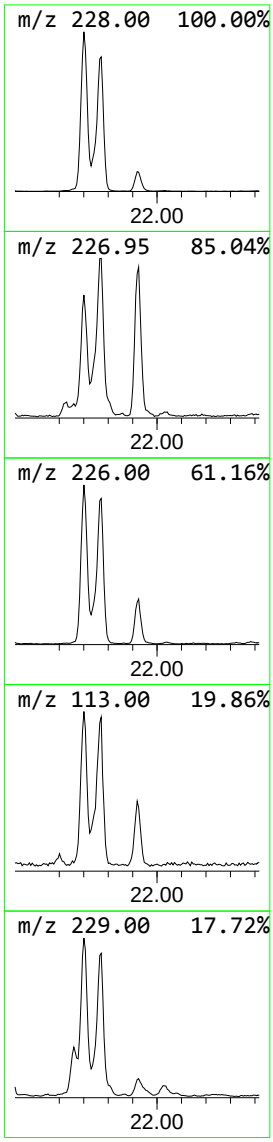
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Diphenylvinylphosphine oxide Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.918	2.89 ng	275353	Chrysene-d12	21.724

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
3	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

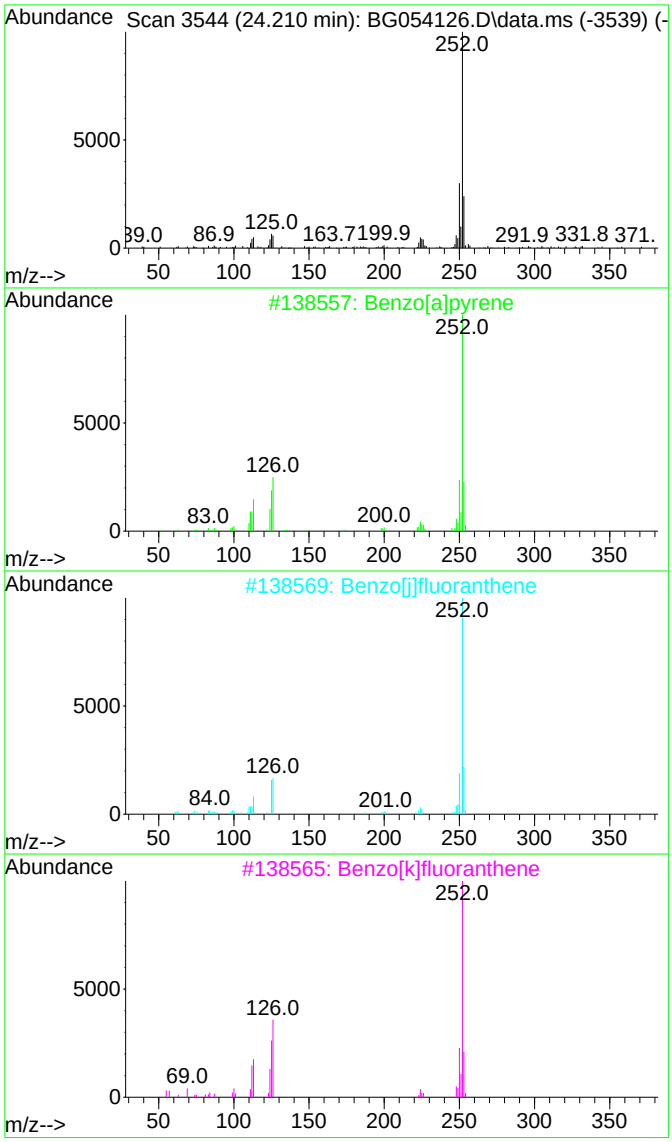
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

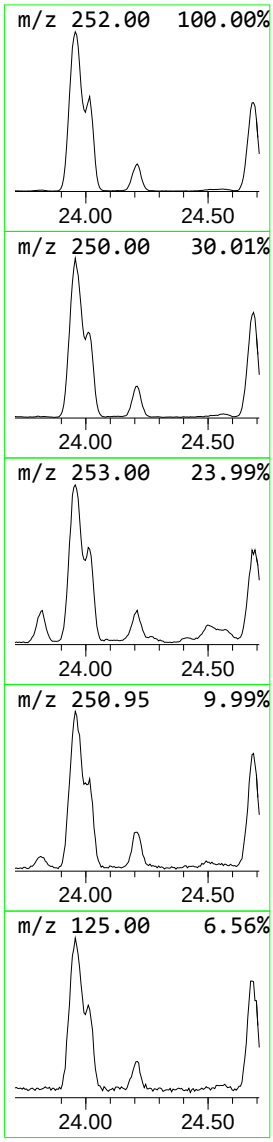
****

Peak Number 19 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.210	7.70 ng	183041	Perylene-d12	24.985

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	81
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	74
4	Perylene	252	C20H12	000198-55-0	74
5	Benzo[e]pyrene	252	C20H12	000192-97-2	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

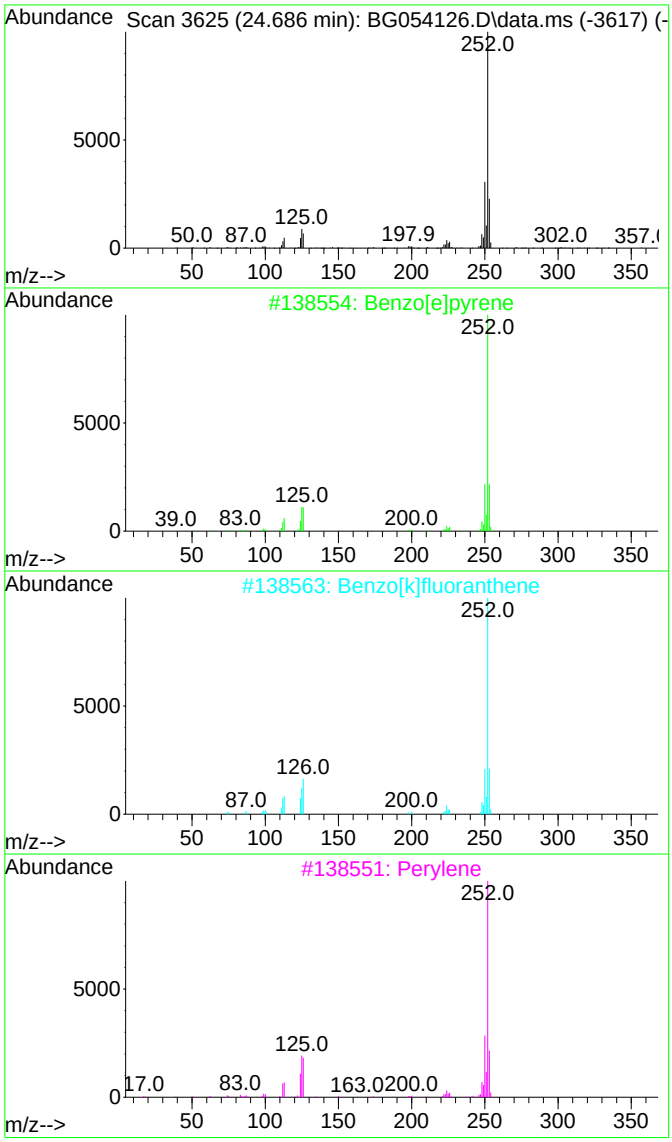
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

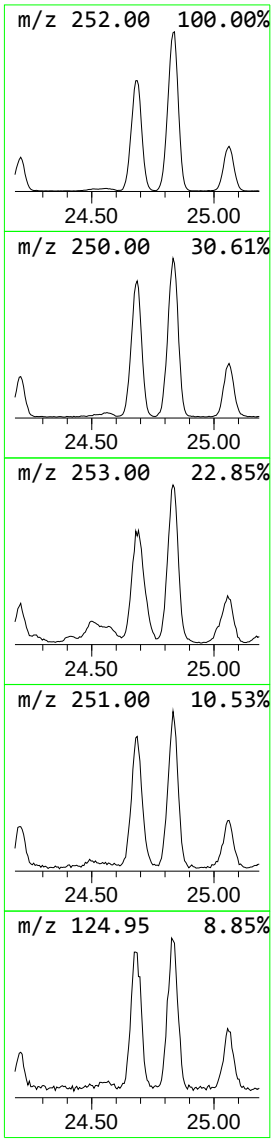
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.686	38.02 ng	903290	Perylene-d12	24.985

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054126.D
Acq On : 28 Jun 2022 20:49
Operator : CG/JU
Sample : N3488-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-9.5-11.5-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.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
2-Pentanone, 4-...	5.167	5.8	ng	49200	1	8.076	168644	20.0
Ether, hexyl pe...	7.694	2.7	ng	23014	1	8.076	168644	20.0
Undecane, 2,4-d...	9.304	4.2	ng	35183	1	8.076	168644	20.0
unknown17.189	17.189	2.5	ng	52531	4	17.441	427012	20.0
Dibenzothiophene	17.253	2.4	ng	52117	4	17.441	427012	20.0
Phenanthrene, 1...	18.323	5.1	ng	108734	4	17.441	427012	20.0
1H-Indene, 2-ph...	18.364	5.8	ng	122818	4	17.441	427012	20.0
Anthracene, 1-m...	18.446	2.7	ng	57901	4	17.441	427012	20.0
4H-Cyclopenta[d...	18.516	8.9	ng	190888	4	17.441	427012	20.0
5,16[1',2']:8,1...	18.810	3.4	ng	72108	4	17.441	427012	20.0
9,10-Anthracene...	18.851	2.5	ng	52903	4	17.441	427012	20.0
di-p-Tolylacety...	19.227	4.0	ng	84269	4	17.441	427012	20.0
Cyclopenta(def)...	19.368	3.1	ng	66503	4	17.441	427012	20.0
11H-Benzo[b]flu...	20.344	3.4	ng	324799	5	21.724	1906340	20.0
Pyrene, 1-methyl-	20.444	2.6	ng	244327	5	21.724	1906340	20.0
Cyclopenta(cd)p...	21.343	3.5	ng	328988	5	21.724	1906340	20.0
Benz[c]acridine	21.390	2.5	ng	235334	5	21.724	1906340	20.0
Diphenylvinylph...	21.918	2.9	ng	275353	5	21.724	1906340	20.0
Benzo[j]fluoran...	24.210	7.7	ng	183041	6	24.985	475186	20.0
Benzo[e]pyrene	24.686	38.0	ng	903290	6	24.985	475186	20.0