LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001649.D
Acq On : 17 Jan 2020 03:07
Operator : JU
Sample : L1108-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

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_P\METHODS\8270-BP010820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.946	23	27	32	rBV	42750	53945	2.69%	0.254%
2	4.799	338	342	351	rVB	32645	49221	2.45%	0.232%
3	5.258	415	420	431	rVB	129830	201131	10.01%	0.949%
4	6.828	681	687	699	rBV	142614	242280	12.06%	1.143%
5	7.175	740	746	754	rBV	144106	227349	11.32%	1.072%
6	7.634	817	824	833	rVB	167521	263159	13.10%	1.241%
7	7.952	872	878	887	rVB	115778	185307	9.23%	0.874%
8	8.781	1012	1019	1031	rBV	79348	145170	7.23%	0.685%
9	10.410	1289	1296	1312	rBV	201333	347919	17.32%	1.641%
10	12.899	1713	1719	1726	rBV	196645	293897	14.63%	1.386%
11	13.746	1857	1863	1874	rBV2	16582	32471	1.62%	0.153%
12	14.004	1896	1907	1925	rBV	132981	246013	12.25%	1.160%
13	14.281	1948	1954	1962	rBV2	307715	465156	23.16%	2.194%
14	14.351	1962	1966	1975	rVB	11433	21697	1.08%	0.102%
15	15.787	2198	2210	2223	rBV	134110	223567	11.13%	1.054%
16	17.045	2417	2424	2428	rBV	388118	542249	27.00%	2.558%
17	17.087	2428	2431	2438	rVV	176445	237724	11.84%	1.121%
18	17.181	2438	2447	2454	rVV	184012	285605	14.22%	1.347%
19	17.922	2566	2573	2577	rBV	25767	40577	2.02%	0.191%
20	17.969	2577	2581	2588	rVB	36742	54851	2.73%	0.259%
21	18.045	2590	2594	2599	rVV	26401	40398	2.01%	0.191%
22	18.110	2600	2605	2609	rVV2	105711	169343	8.43%	0.799%
23	18.145	2609	2611	2619	rVB3	25719	33065	1.65%	0.156%
24	18.410	2652	2656	2660	rBV	36970	42690	2.13%	0.201%
25	18.822	2721	2726	2730	rBV3	24307	41106	2.05%	0.194%
26	18.951	2744	2748	2757	rVB	53762	78447	3.91%	0.370%
27	19.075	2763	2769	2775	rBV	1530773	1975930	98.38%	9.319%
28	19.163	2782	2784	2789	rVB	21582	25290	1.26%	0.119%
29	19.216	2789	2793	2797	rBV	75570	100187	4.99%	0.473%
30	19.304	2803	2808	2818	rVB3	55063	98147	4.89%	0.463%
31	19.428	2819	2829	2837	rBV	1292240	2008471	100.00%	9.473%
32	19.498	2837	2841	2848	rVB2	30999	49686	2.47%	0.234%
33	19.598	2855	2858	2860	rBV	54521	70241	3.50%	0.331%
34	19.628	2860	2863	2866	rVV	319436	380895	18.96%	1.796%

LSC Area Percent Report

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Operator : JU
Sample : L1108-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

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_P\METHODS\8270-BP010820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.657	2866	2868	2874	rVB	79290	93971	4.68%	0.443%
36	19.745	2877	2883	2889	rBV4	57478	145552	7.25%	0.686%
37	19.880	2901	2906	2907	rBV4	42945	65799	3.28%	0.310%
38	19.910	2908	2911	2915	rVB	121526	150488	7.49%	0.710%
39	20.004	2924	2927	2931	rBV	91756	109325	5.44%	0.516%
40	20.063	2933	2937	2941	rVB2	76341	106809	5.32%	0.504%
41	20.198	2957	2960	2964	rVB	40936	43473	2.16%	0.205%
42	20.245	2964	2968	2972	rBV3	43276	58193	2.90%	0.274%
43	20.639	3032	3035	3042	rVB	74630	100260	4.99%	0.473%
44	20.804	3058	3063	3066	rBV	133481	189659	9.44%	0.895%
45	20.839	3066	3069	3072	rVV	102327	122350	6.09%	0.577%
46	20.880	3072	3076	3081	rVV2	144269	281968	14.04%	1.330%
47	20.927	3081	3084	3093	rVB3	100830	157000	7.82%	0.740%
48	21.104	3112	3114	3115	rBV	39124	31885	1.59%	0.150%
49	21.139	3115	3120	3125	rVV3	1107385	1930441	96.11%	9.105%
50	21.186	3125	3128	3138	rVB	776208	989182	49.25%	4.665%
51	21.298	3144	3147	3152	rBV	114483	169742	8.45%	0.801%
52	21.345	3153	3155	3161	rVB	83504	100618	5.01%	0.475%
53	21.457	3170	3174	3179	rBV2	101246	144510	7.20%	0.682%
54	21.892	3245	3248	3251	rBV2	49019	66663	3.32%	0.314%
55	22.727	3382	3390	3394	rBV	789307	1841352	91.68%	8.685%
56	22.886	3413	3417	3424	rVB	151782	250767	12.49%	1.183%
57	23.198	3464	3470	3478	rVB	436115	851225	42.38%	4.015%
58	23.292	3480	3486	3495	rVV	659488	1290066	64.23%	6.085%
59	23.386	3497	3502	3506	rVV	244583	482343	24.02%	2.275%
60	23.433	3507	3510	3520	rVB	235635	424246	21.12%	2.001%
61	25.651	3879	3887	3898	rVB2	348968	997073	49.64%	4.703%
62	26.339	3996	4004	4018	rVB2	235027	734000	36.55%	3.462%

Sum of corrected areas: 21202144

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
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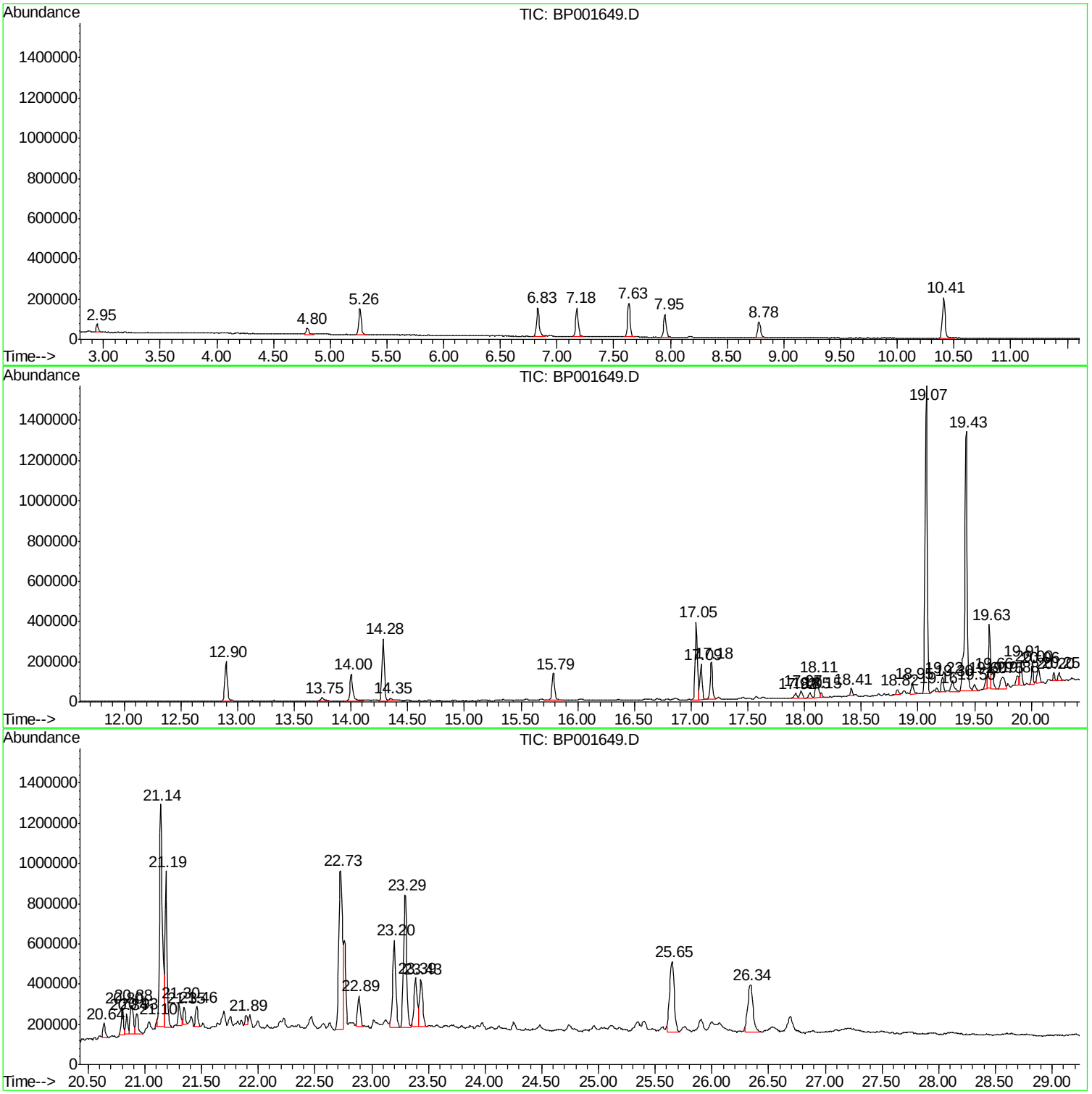
Acq On : 17 Jan 2020 03:07
Operator : JU
Sample : L1108-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001649.D
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Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

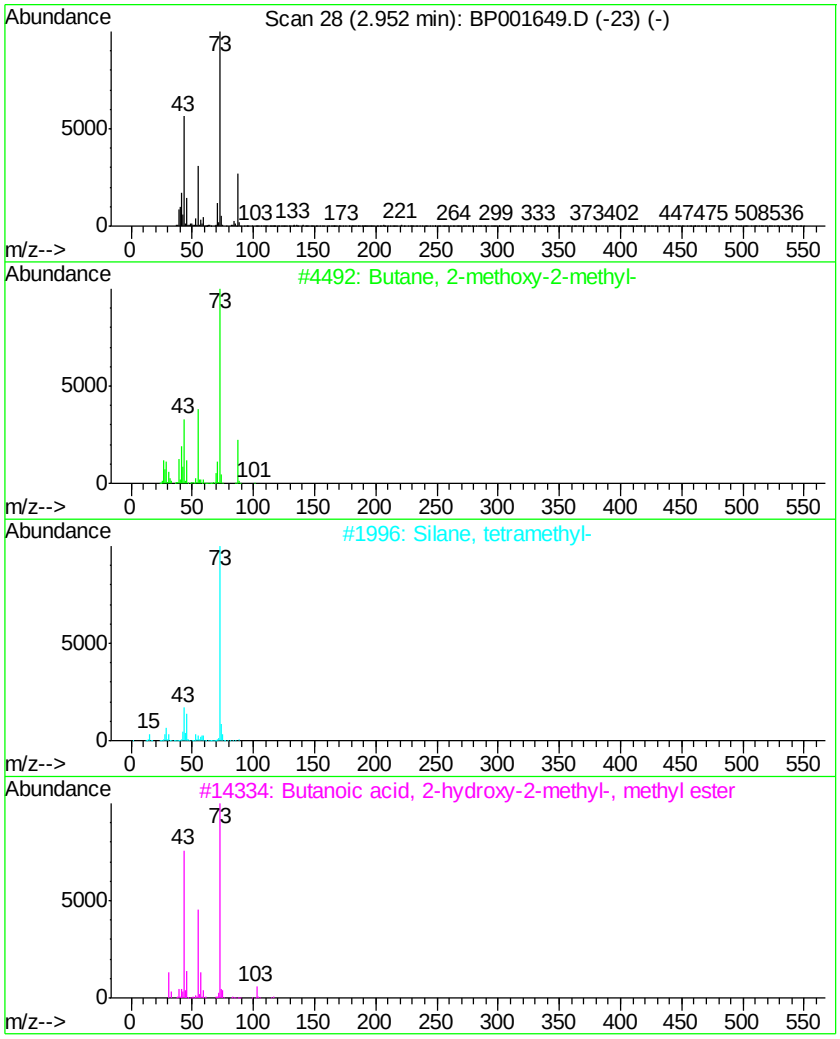
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

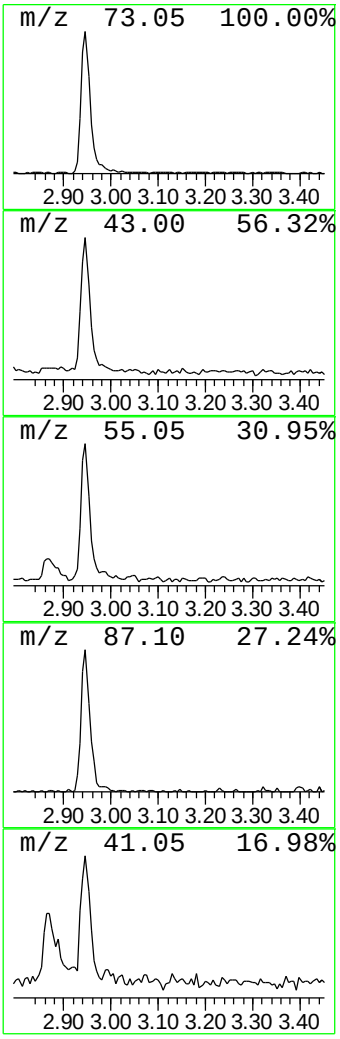
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.95	4.10 ng	53945	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	53
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
3	Butanoic acid, 2-hydroxy-2-methy...	132	C6H12O3	032793-34-3	23
4	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	23
5	3,4-Dimethyl-5-hexen-3-ol	128	C8H16O	001569-45-5	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001649.D
Acq On : 17 Jan 2020 03:07
Operator : JU
Sample : L1108-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

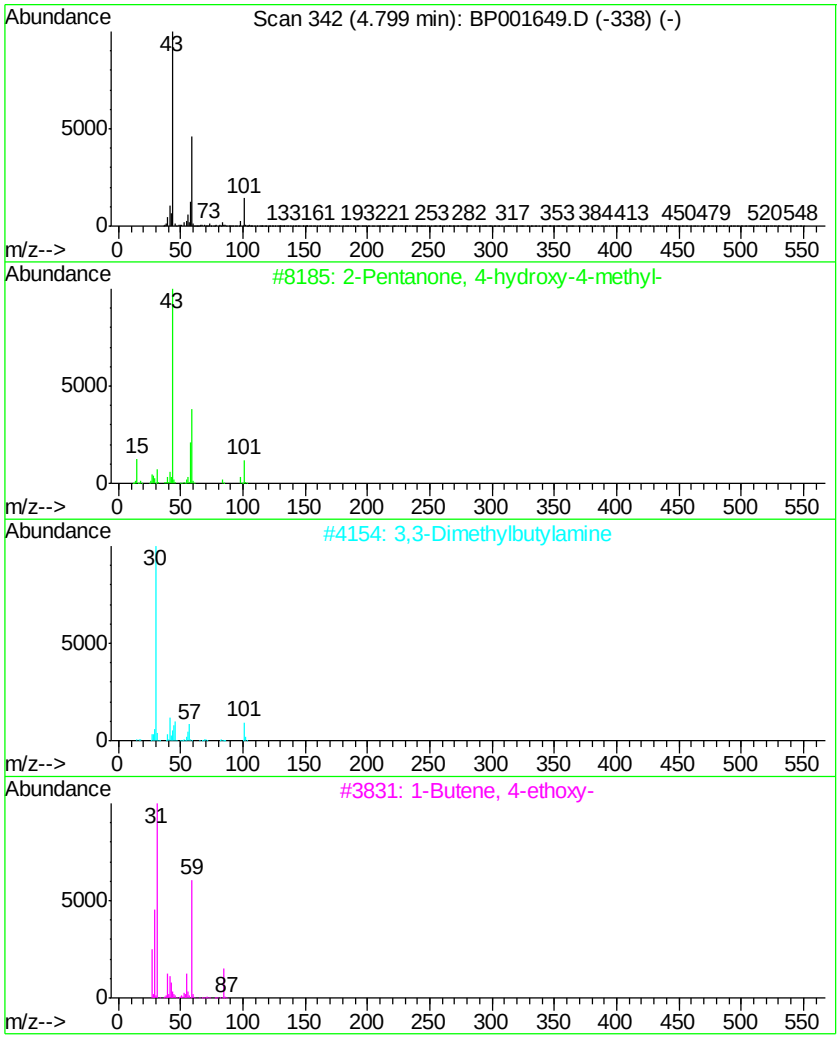
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

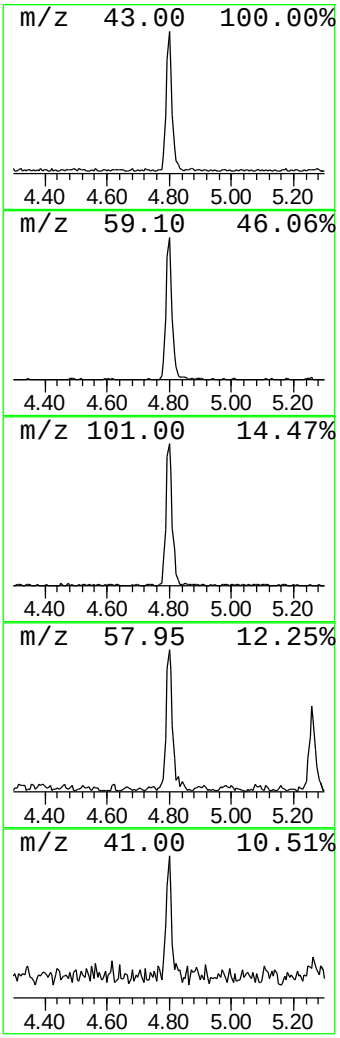
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	3.74 ng	49221	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3,3-Dimethylbutylamine	101	C6H15N	015673-00-4	9
3	1-Butene, 4-ethoxy-	100	C6H12O	044611-46-3	9
4	1,3-Dioxane, 4,4-dimethyl-	116	C6H12O2	000766-15-4	9
5	Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	7





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001649.D
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Sample : L1108-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

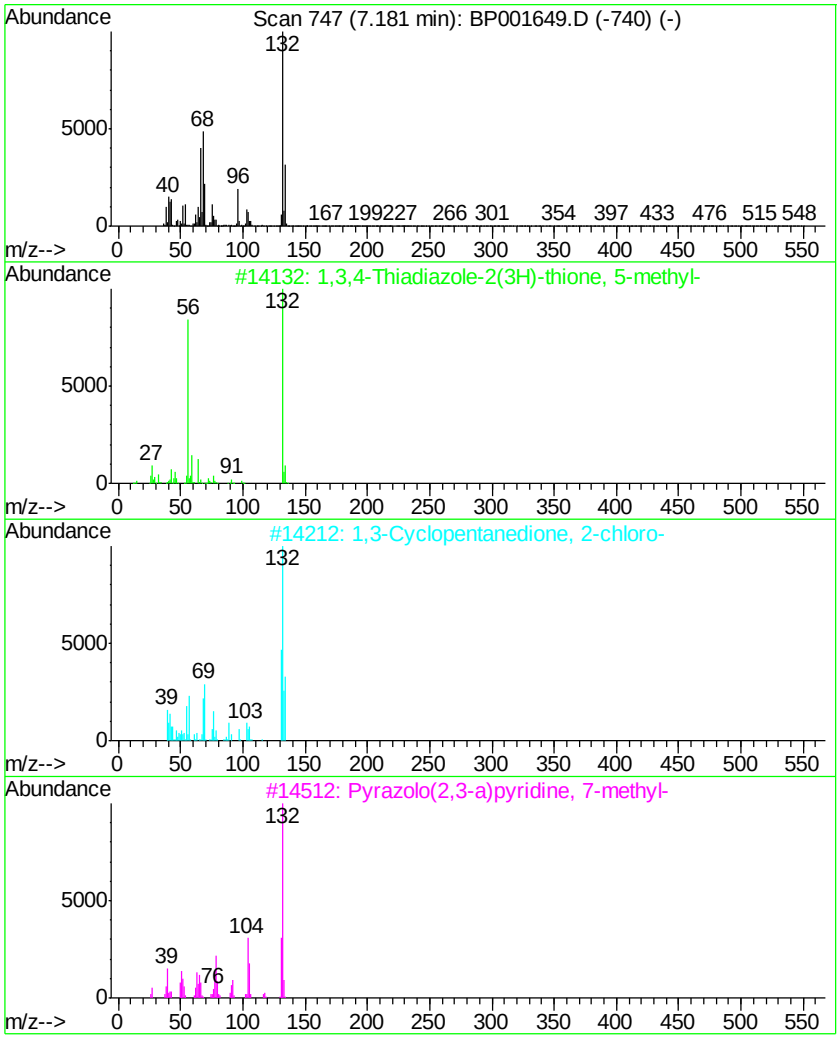
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

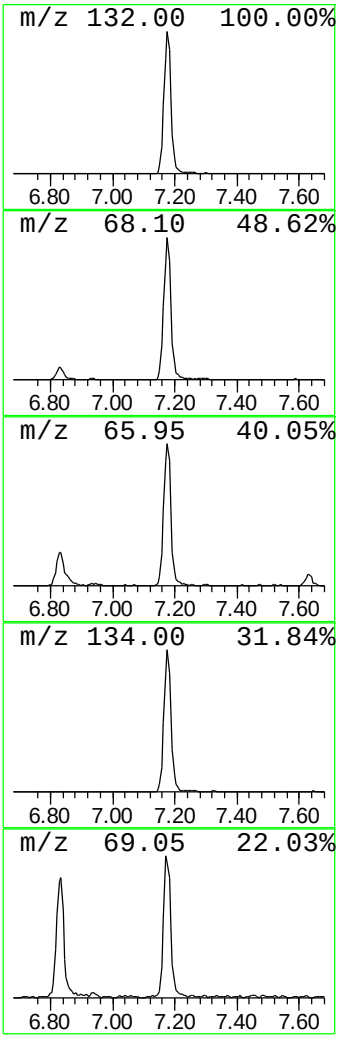
****

Peak Number 3 unknown7.18 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	17.28 ng	227349	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	14
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	12
3	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	10
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001649.D
Acq On : 17 Jan 2020 03:07
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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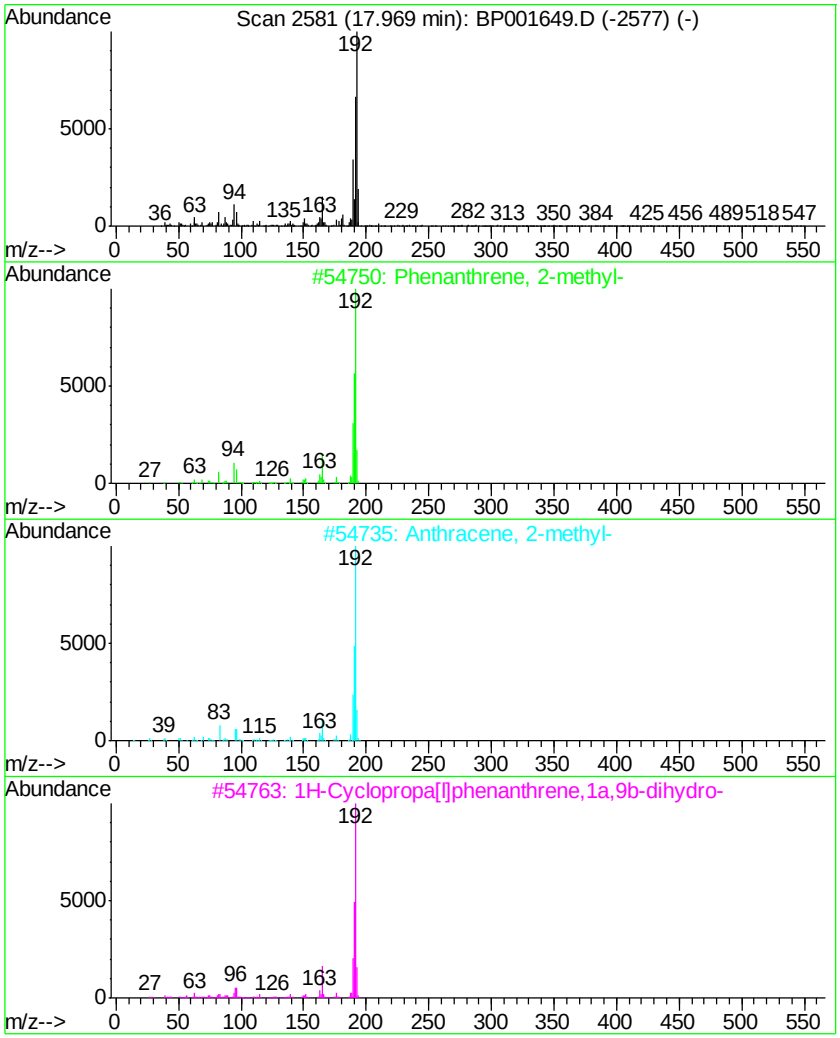
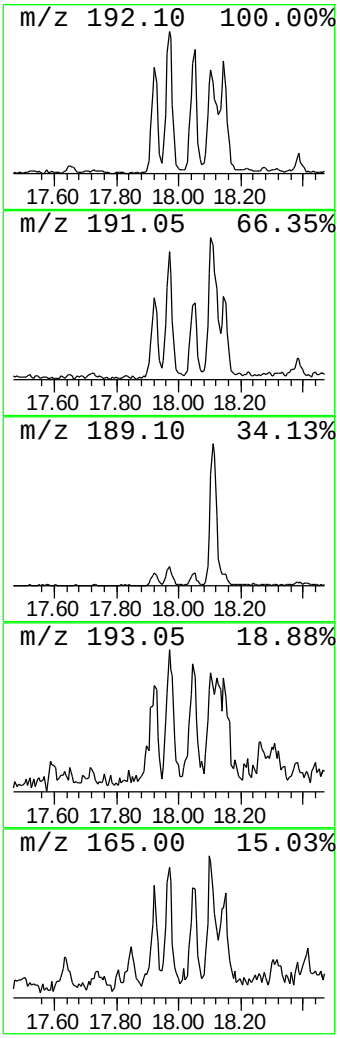
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	2.02 ng	54851	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





Library Search Compound Report

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Data File : BP001649.D
Acq On : 17 Jan 2020 03:07
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Sample : L1108-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

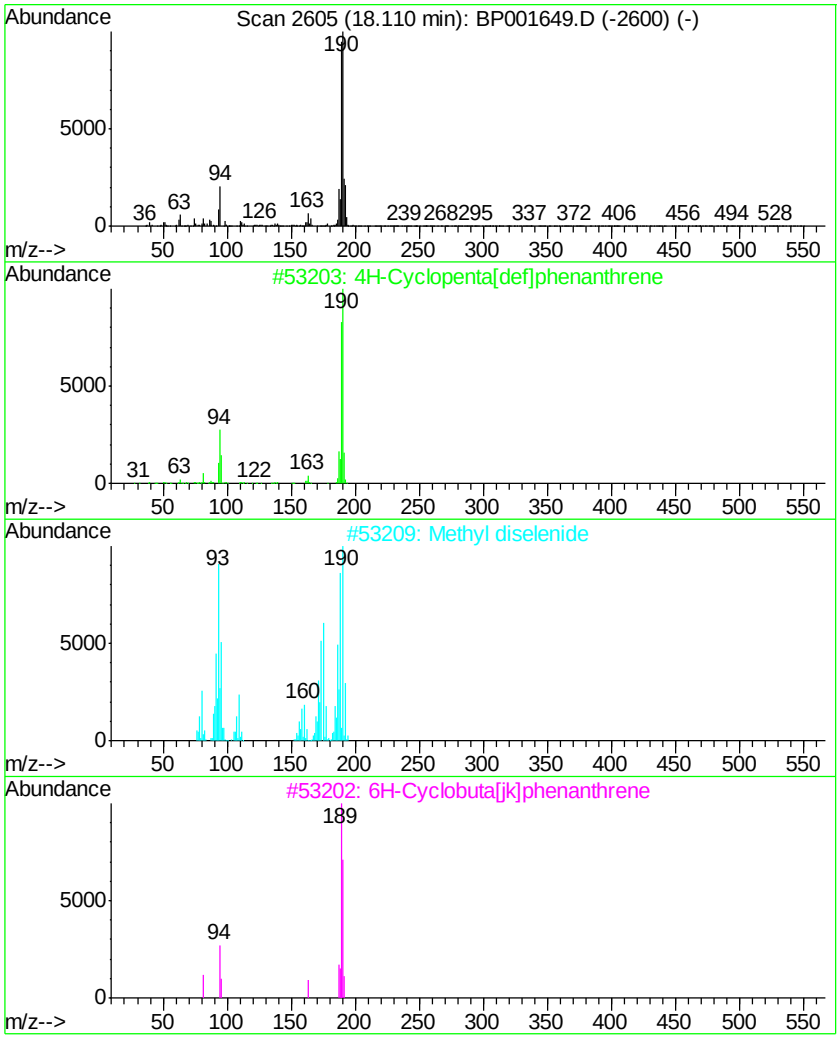
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

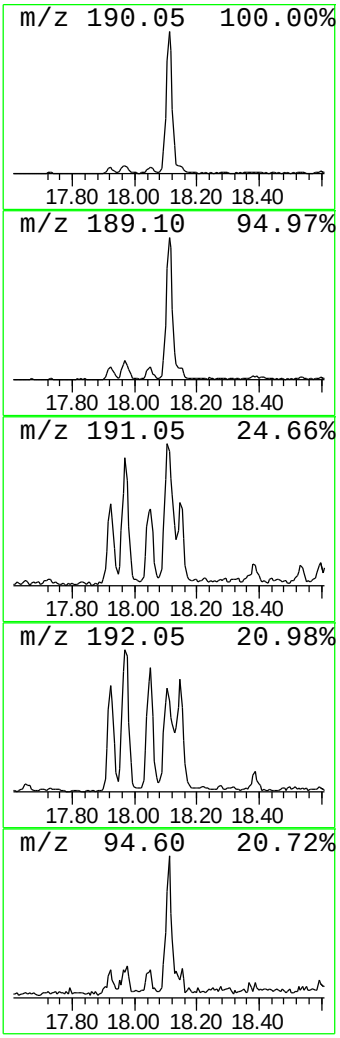
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	6.25 ng	169343	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1-(Phenylethynyl)-1H-1,2,3-benzo...	219	C14H9N3	209912-23-2	27





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Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

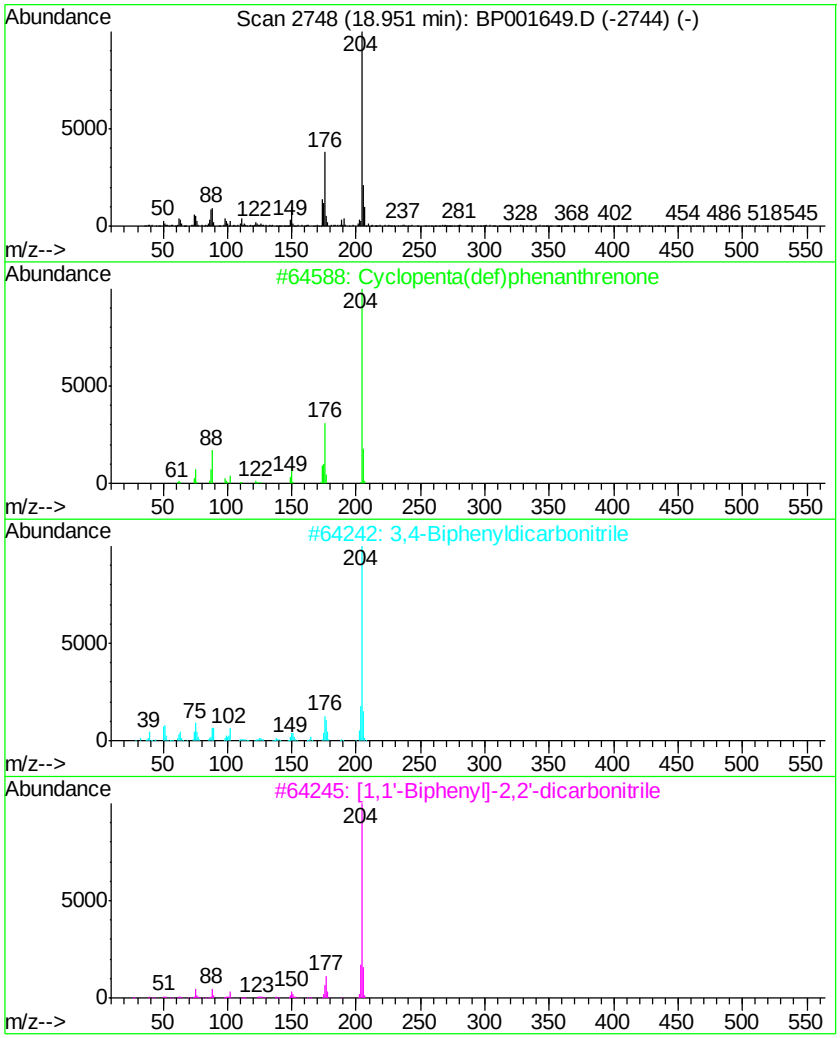
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

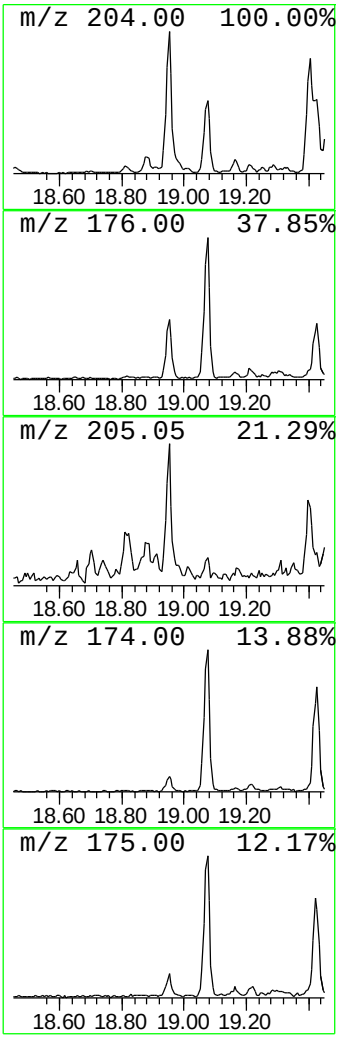
****

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	2.89 ng	78447	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	72
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
4	Ethyl 2,3,4,6-tetrakis-O-(trimet...	496	C20H48O6Si4	1000365-90-0	50
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001649.D
Acq On : 17 Jan 2020 03:07
Operator : JU
Sample : L1108-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

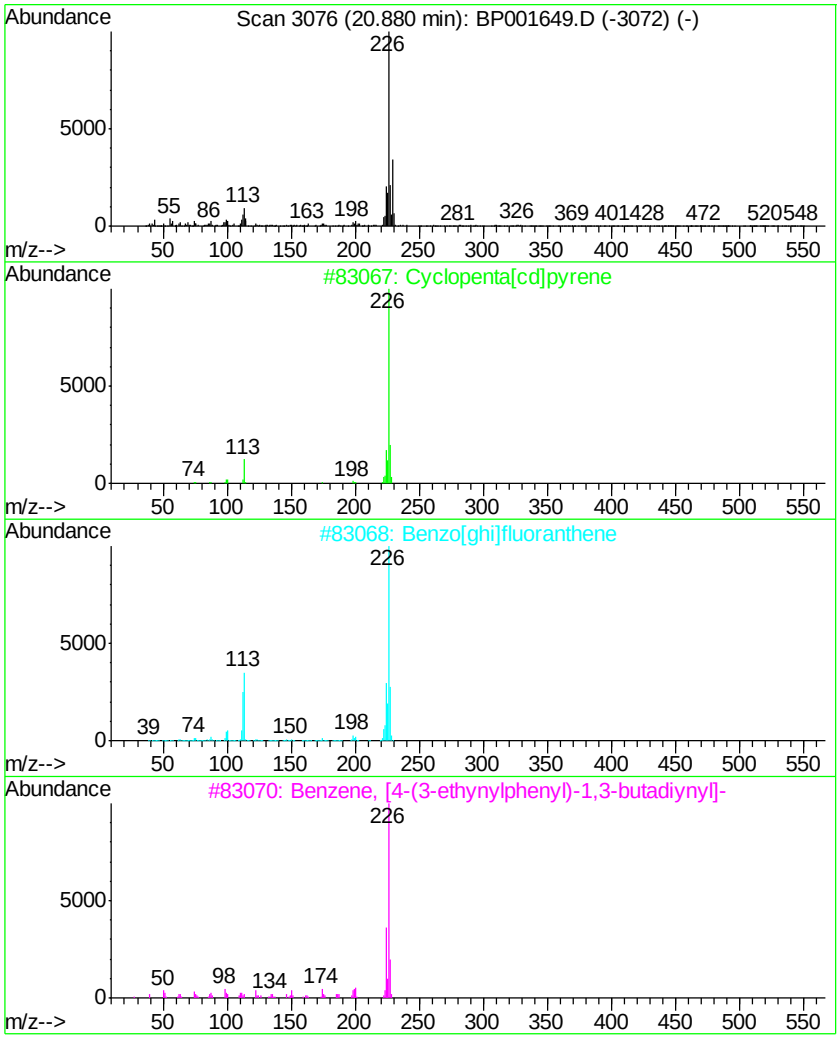
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

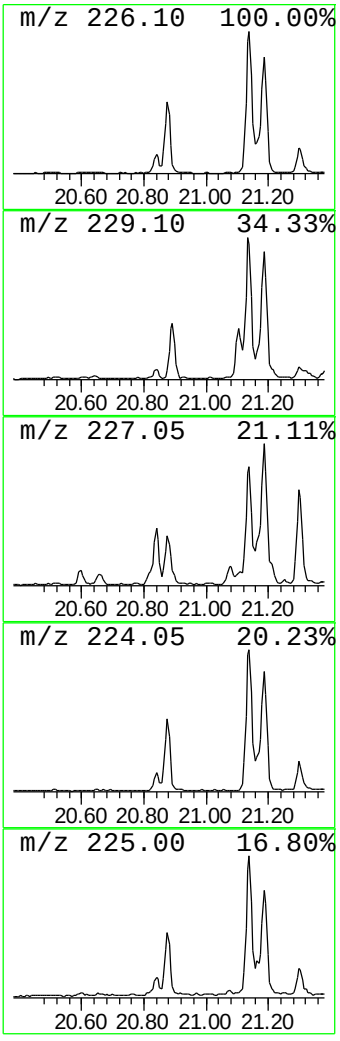
****

Peak Number 8 Cyclopenta[cd]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.88	2.92 ng	281968	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	52
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	49
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
5	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	47





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Acq On : 17 Jan 2020 03:07
Operator : JU
Sample : L1108-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

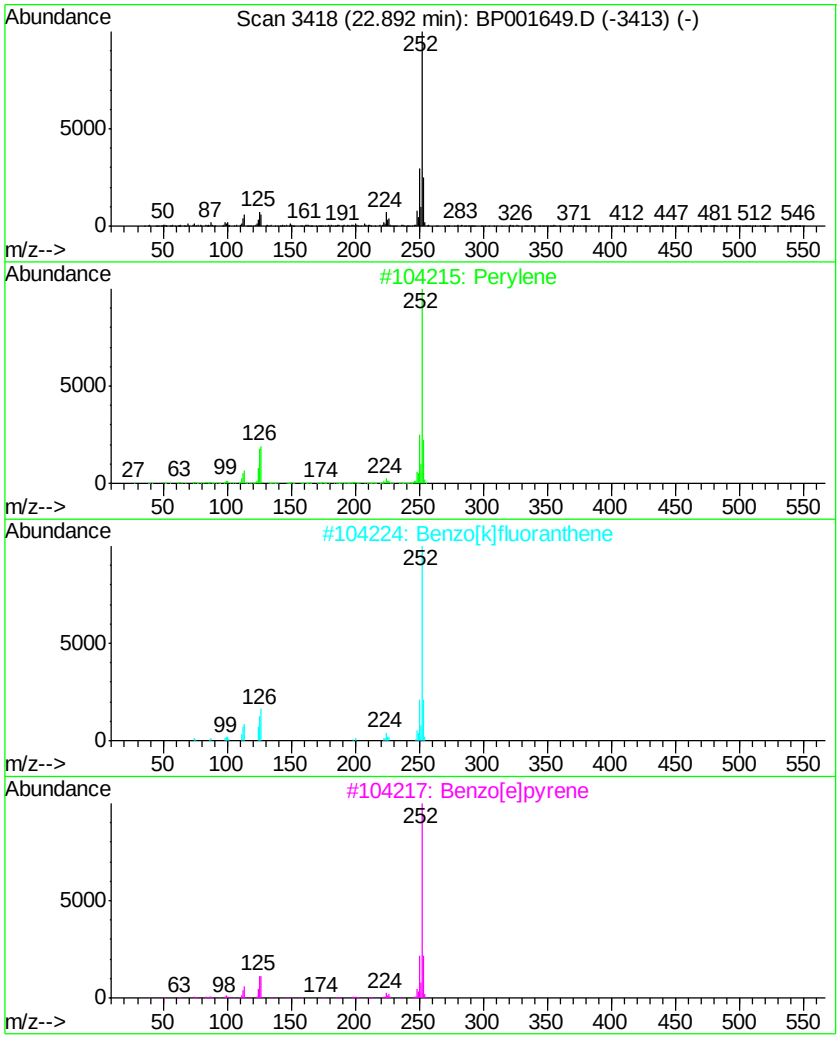
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

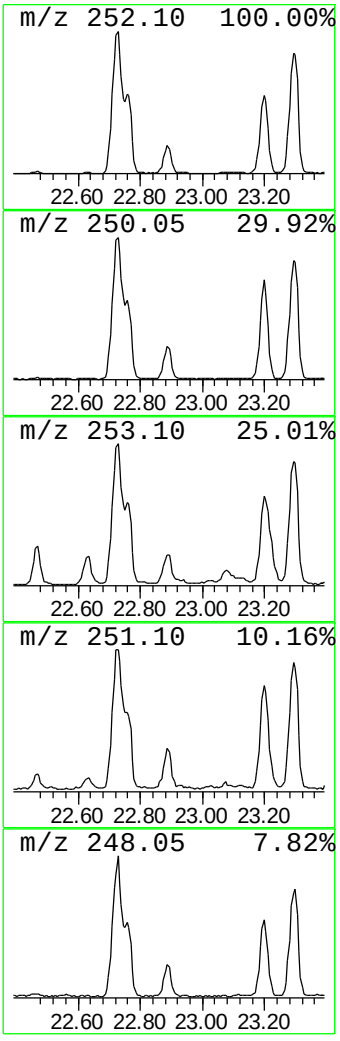
****

Peak Number 9 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.89	10.40 ng	250767	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	89
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
3	Benzo[e]pyrene	252	C20H12	000192-97-2	81
4	Benzo[a]pyrene	252	C20H12	000050-32-8	76
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001649.D
Acq On : 17 Jan 2020 03:07
Operator : JU
Sample : L1108-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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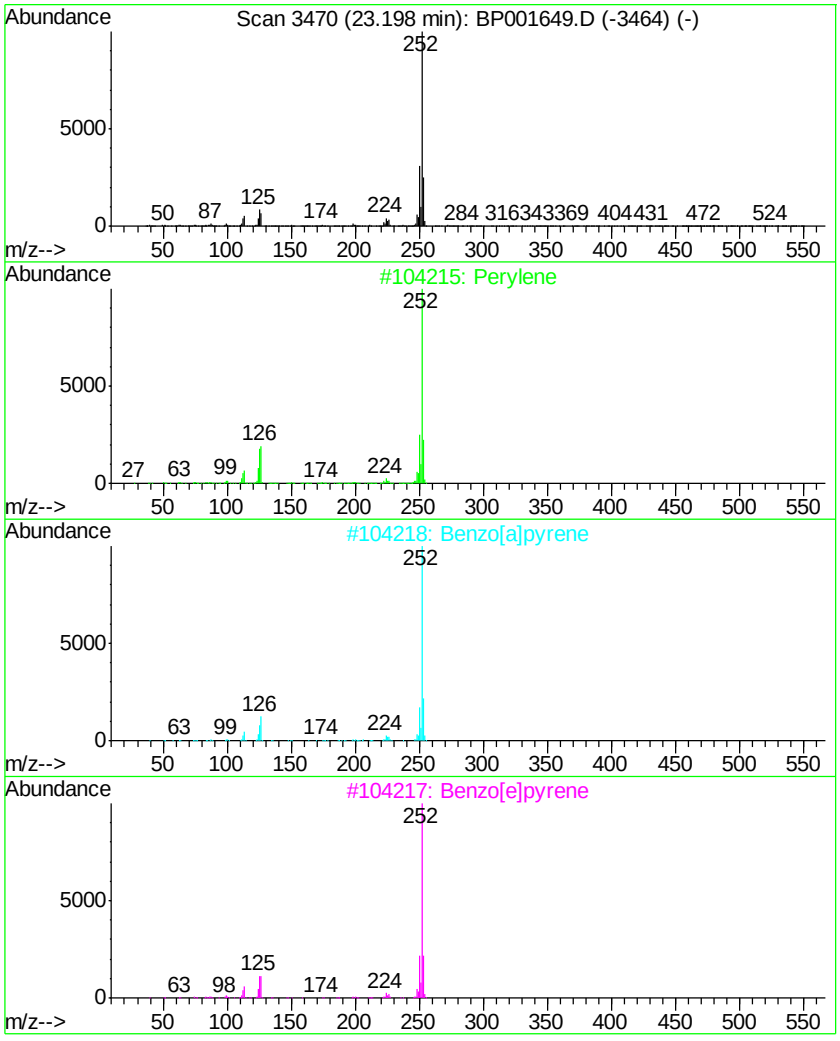
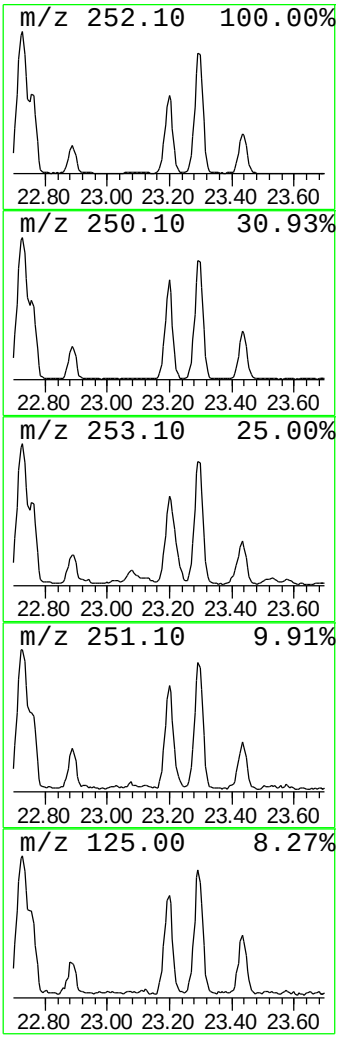
Peak Number 10 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.20	35.30 ng	851225	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP011620\
Data File : BP001649.D
Acq On : 17 Jan 2020 03:07
Operator : JU
Sample : L1108-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.95	4.1	ng	53945	1	7.63	263159	20.0
2-Pentanone, 4-hy...	4.80	3.7	ng	49221	1	7.63	263159	20.0
unknown7.18	7.18	17.3	ng	227349	1	7.63	263159	20.0
Phenanthrene, 2-m...	17.97	2.0	ng	54851	4	17.05	542249	20.0
4H-Cyclopenta[def...	18.11	6.3	ng	169343	4	17.05	542249	20.0
Cyclopenta(def)ph...	18.95	2.9	ng	78447	4	17.05	542249	20.0
Cyclopenta[cd]pyrene	20.88	2.9	ng	281968	5	21.15	1930440	20.0
Perylene	22.89	10.4	ng	250767	6	23.39	482343	20.0
Benzo[e]pyrene	23.20	35.3	ng	851225	6	23.39	482343	20.0