LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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	5.007	235	238	253	rVB	479409	815633	27.70%	2.395%
2	5.430	272	275	278	rBV	2288642	2433870	82.65%	7.147%
3	5.830	308	310	313	rVB	70548	78561	2.67%	0.231%
4	6.470	363	366	368	rBV	2477243	2944639	100.00%	8.647%
5	6.596	375	377	380	rBV	2507174	2609158	88.61%	7.662%
6	6.824	395	397	400	rBV	578870	768231	26.09%	2.256%
7	6.984	409	411	414	rBV	2218496	2071564	70.35%	6.083%
8	7.396	444	447	449	rBV	1843922	1831880	62.21%	5.380%
9	7.487	453	455	463	rVB	23896	33363	1.13%	0.098%
10	8.116	507	510	512	rBV	1310102	1181420	40.12%	3.469%
11	9.190	601	604	607	rBV	2847660	2775836	94.27%	8.152%
12	9.270	609	611	614	rVB	29568	34664	1.18%	0.102%
13	9.533	631	634	637	rBV2	19574	37911	1.29%	0.111%
14	9.590	637	639	640	rBV	479228	483523	16.42%	1.420%
15	9.807	655	658	660	rVB	84714	103264	3.51%	0.303%
16	9.865	661	663	665	rVV	1153852	1149367	39.03%	3.375%
17	10.036	675	678	679	rBV	24497	37666	1.28%	0.111%
18	10.070	679	681	684	rVB3	23998	48837	1.66%	0.143%
19	10.299	700	701	703	rVB	163384	133133	4.52%	0.391%
20	10.516	717	720	724	rBV	43399	80791	2.74%	0.237%
21	10.653	729	732	735	rBV2	1624146	1965961	66.76%	5.773%
22	10.768	741	742	747	rBV	106099	182119	6.18%	0.535%
23	11.156	774	776	778	rVB	45566	37540	1.27%	0.110%
24	11.225	779	782	783	rBV2	51304	68851	2.34%	0.202%
25	11.350	791	793	794	rBV	1396549	1224971	41.60%	3.597%
26	11.373	794	795	797	rVV	372346	286650	9.73%	0.842%
27	11.408	797	798	801	rVB2	22166	44018	1.49%	0.129%
28	11.579	810	813	817	rBV6	23460	53565	1.82%	0.157%
29	11.648	817	819	821	rVB	32907	30637	1.04%	0.090%
30	11.853	834	837	838	rBV	54425	67196	2.28%	0.197%
31	11.876	838	839	842	rVV	238459	295433	10.03%	0.868%
32	11.956	845	846	851	rVB	63436	112589	3.82%	0.331%
33	12.048	851	854	856	rBV2	24304	42454	1.44%	0.125%
34	12.139	860	862	864	rVV	26590	56695	1.93%	0.166%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.173	864	865	867	rVB	59931	45209	1.54%	0.133%
36	12.288	873	875	877	rBV	25773	49570	1.68%	0.146%
37	12.322	877	878	883	rVB2	37249	59183	2.01%	0.174%
38	12.402	883	885	887	rBV2	35021	69049	2.34%	0.203%
39	12.436	887	888	891	rVB	36637	35692	1.21%	0.105%
40	12.482	891	892	894	rBV	45793	36486	1.24%	0.107%
41	12.562	896	899	901	rBV	268106	316502	10.75%	0.929%
42	12.665	906	908	911	rBV4	54135	107263	3.64%	0.315%
43	12.791	916	919	920	rVV	219672	331211	11.25%	0.973%
44	12.836	922	923	925	rVB2	23209	29901	1.02%	0.088%
45	12.928	929	931	934	rVV	1734223	2481499	84.27%	7.287%
46	13.008	935	938	940	rBV2	38009	60922	2.07%	0.179%
47	13.111	944	947	949	rVB2	39073	74227	2.52%	0.218%
48	13.179	949	953	954	rBV2	32307	78687	2.67%	0.231%
49	13.213	954	956	960	rVV	81774	113483	3.85%	0.333%
50	13.511	979	982	983	rBV2	40598	73707	2.50%	0.216%
51	13.545	983	985	988	rVV	39884	70210	2.38%	0.206%
52	13.625	989	992	996	rVV3	63981	109731	3.73%	0.322%
53	13.728	998	1001	1005	rBV4	53141	126498	4.30%	0.371%
54	13.831	1008	1010	1014	rVV	349113	439366	14.92%	1.290%
55	13.979	1020	1023	1029	rVB2	890225	1282164	43.54%	3.765%
56	14.368	1052	1057	1059	rBV	248062	368763	12.52%	1.083%
57	14.402	1059	1060	1061	rVV	151443	111564	3.79%	0.328%
58	14.448	1061	1064	1066	rVV4	43097	96116	3.26%	0.282%
59	14.494	1066	1068	1071	rVB2	39213	74570	2.53%	0.219%
60	14.699	1084	1086	1089	rBV	53385	112276	3.81%	0.330%
61	14.745	1089	1090	1091	rVV	81765	75161	2.55%	0.221%
62	14.779	1091	1093	1095	rVB2	65066	78844	2.68%	0.232%
63	14.905	1102	1104	1108	rVB2	58979	84889	2.88%	0.249%
64	14.997	1109	1112	1115	rBV	197370	297221	10.09%	0.873%
65	15.282	1135	1137	1140	rVB	258378	294402	10.00%	0.865%
66	15.339	1140	1142	1145	rVB	204679	263098	8.93%	0.773%
67	15.397	1145	1147	1150	rBV	482774	713002	24.21%	2.094%
68	15.705	1171	1174	1175	rBV	151417	208627	7.08%	0.613%
69	15.739	1175	1177	1180	rVB	128602	184990	6.28%	0.543%
70	15.819	1182	1184	1186	rBV2	35353	62708	2.13%	0.184%
71	16.059	1203	1205	1209	rVB2	46404	80062	2.72%	0.235%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

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:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.162	1212	1214	1216	rBV2	41146	83947	2.85%	0.247%
73	16.460	1238	1240	1243	rBV3	34398	57848	1.96%	0.170%
74	16.780	1266	1268	1272	rVB2	98966	202743	6.89%	0.595%
75	16.951	1280	1283	1285	rBV	29709	70837	2.41%	0.208%
76	17.008	1285	1288	1291	rVB	42036	92450	3.14%	0.271%
77	17.202	1301	1305	1312	rVB	90988	232121	7.88%	0.682%
78	17.923	1366	1368	1373	rVB	42267	93496	3.18%	0.275%

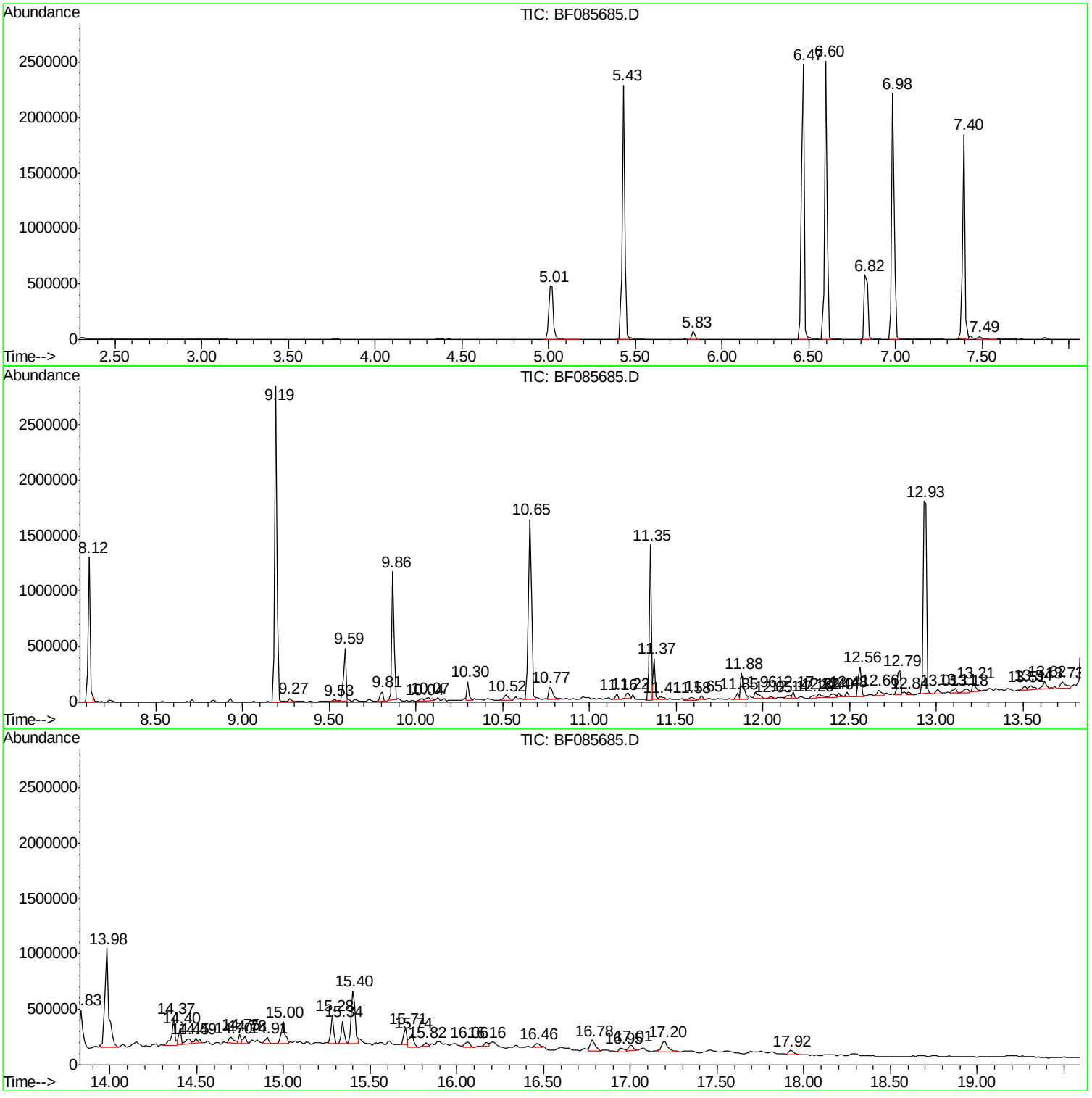
Sum of corrected areas: 34052285

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

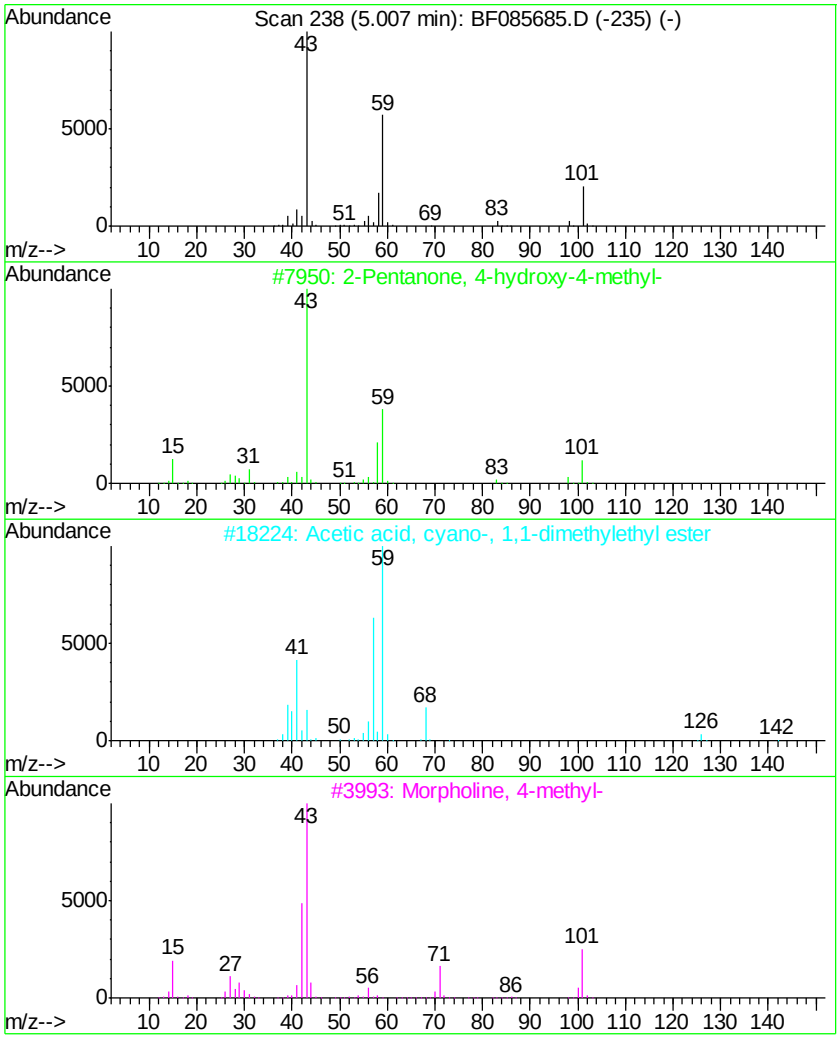
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

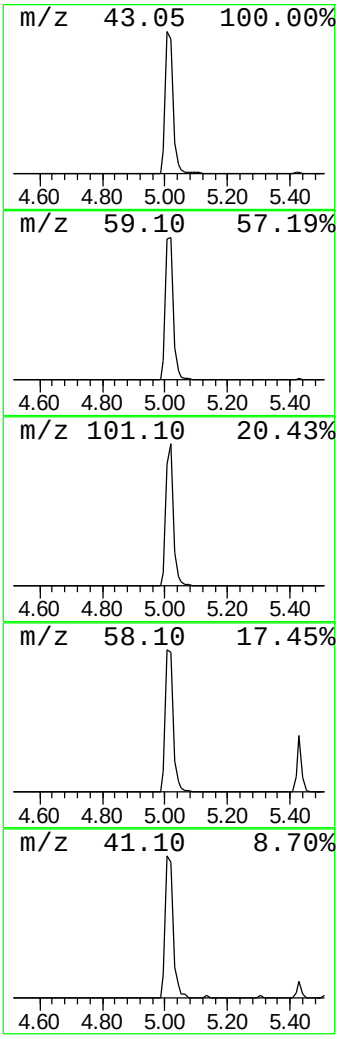
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	21.23 ng	815633	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

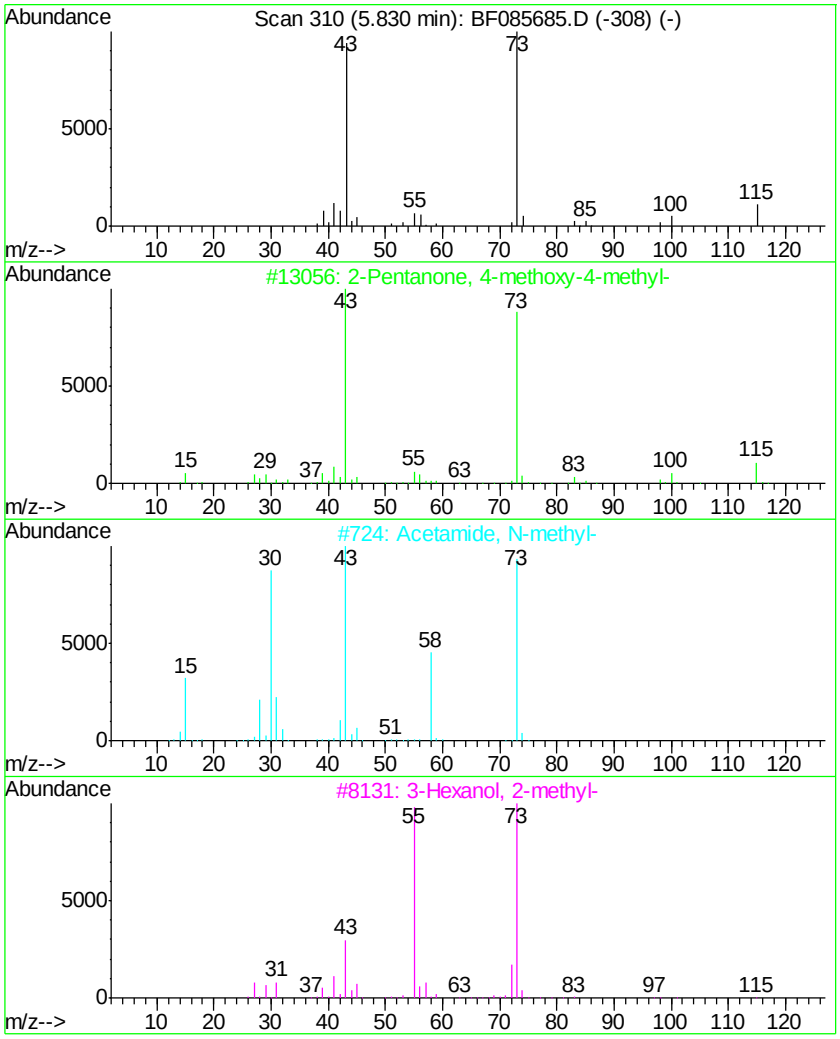
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

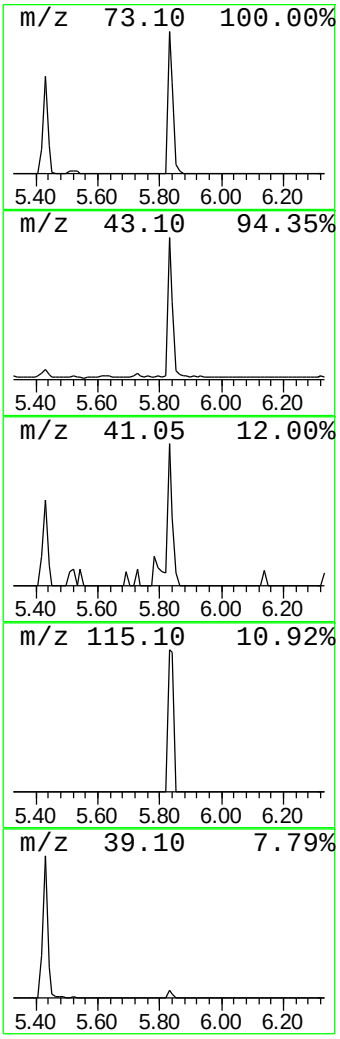
****

Peak Number 2 2-Pentanone, 4-methoxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.83	2.05 ng	78561	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	83
2	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	47
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	23
4	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	16
5	1-Methoxyethanimine, N-acetyl-	115	C5H9NO2	099028-43-0	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

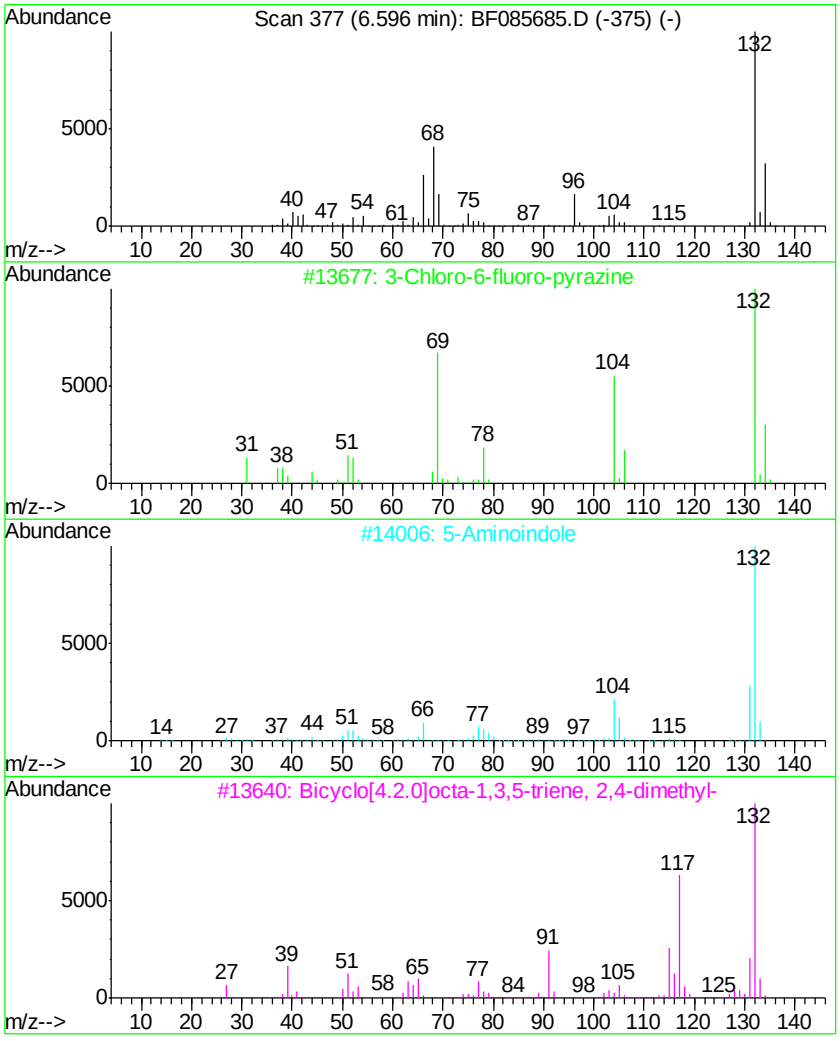
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

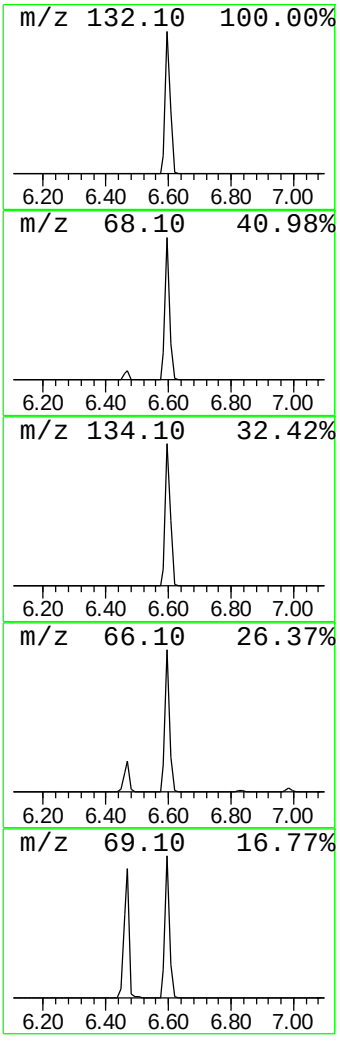
****

Peak Number 3 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	67.93 ng	2609160	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

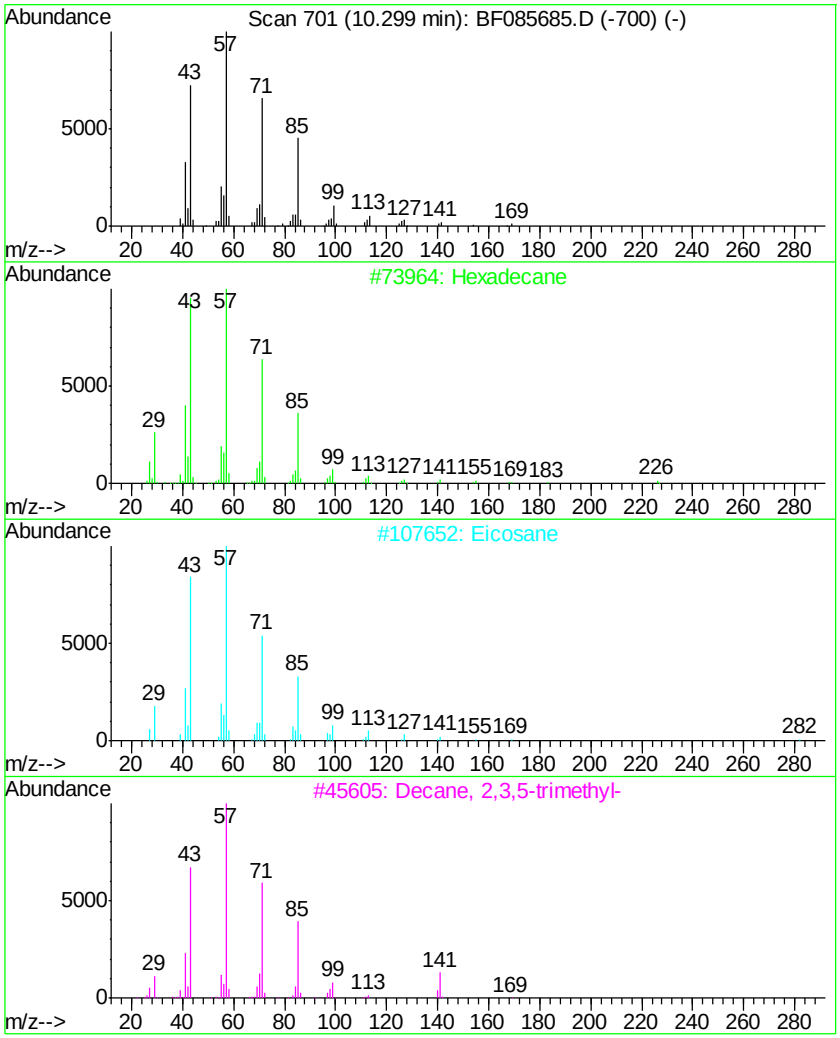
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

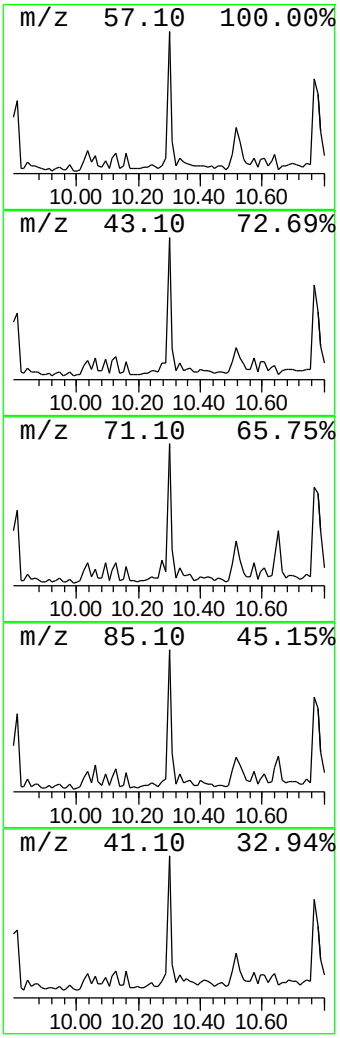
****

Peak Number 5 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	2.32 ng	133133	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	83
2	Eicosane	282	C20H42	000112-95-8	83
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5	Tridecane	184	C13H28	000629-50-5	72





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

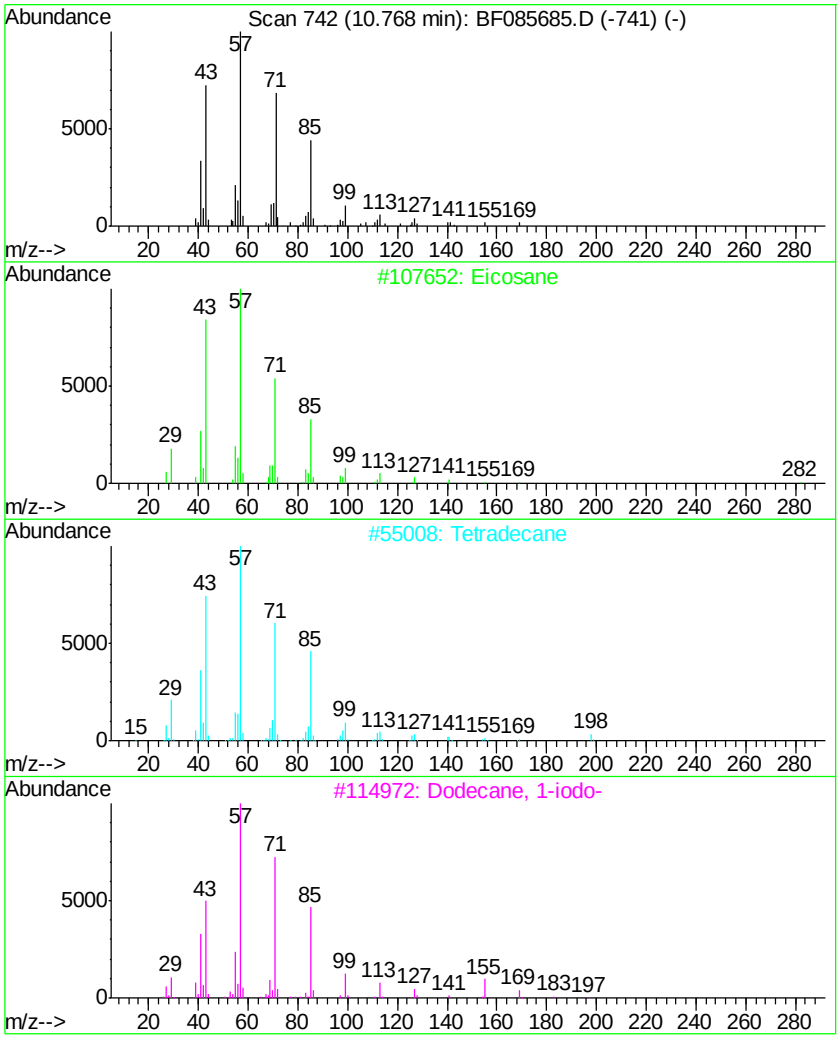
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

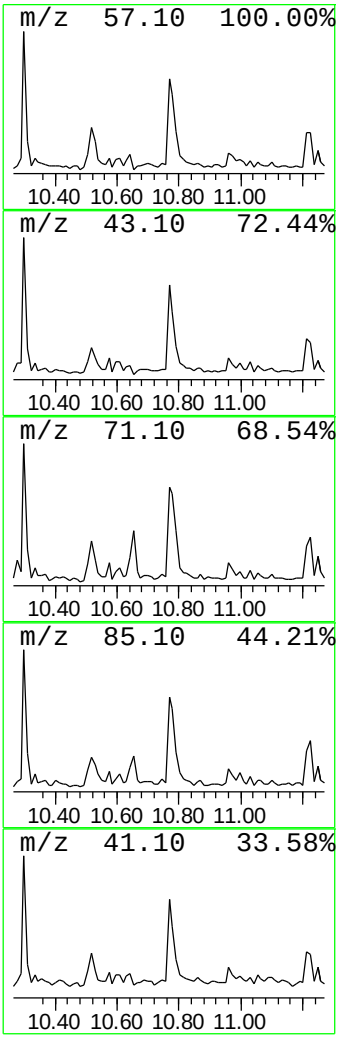
****

Peak Number 6 Eicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	2.97 ng	182119	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Tetradecane	198	C14H30	000629-59-4	87
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	80
5	Hexadecane	226	C16H34	000544-76-3	78





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

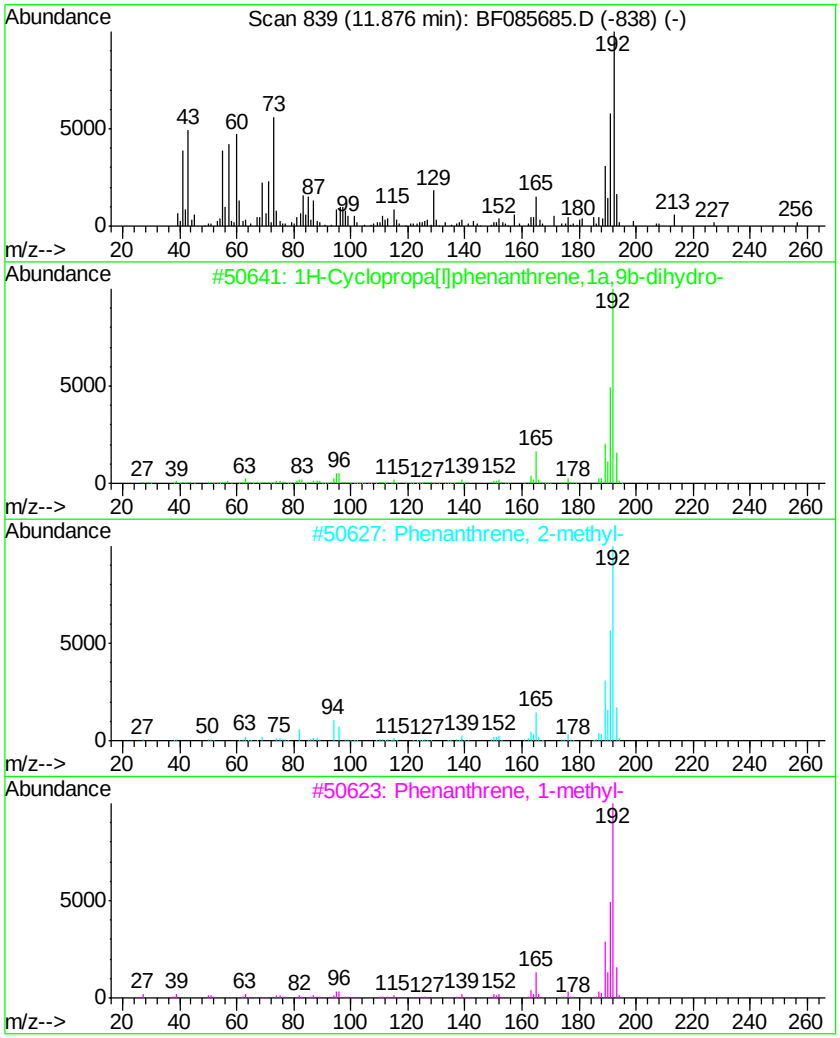
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

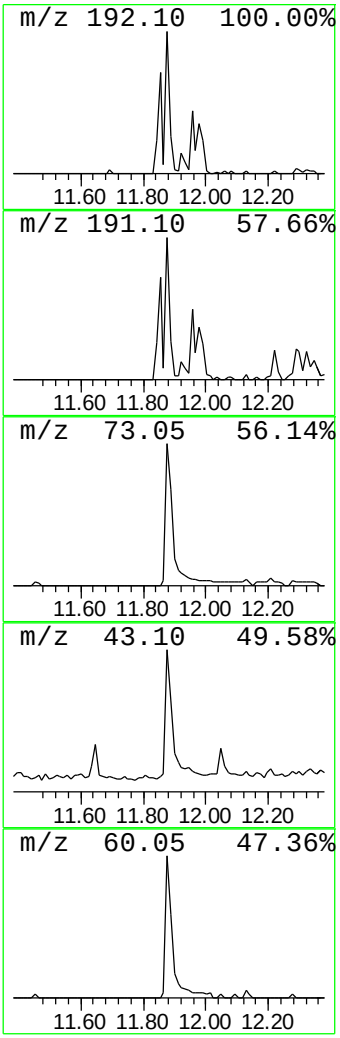
****

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.82 ng	295433	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

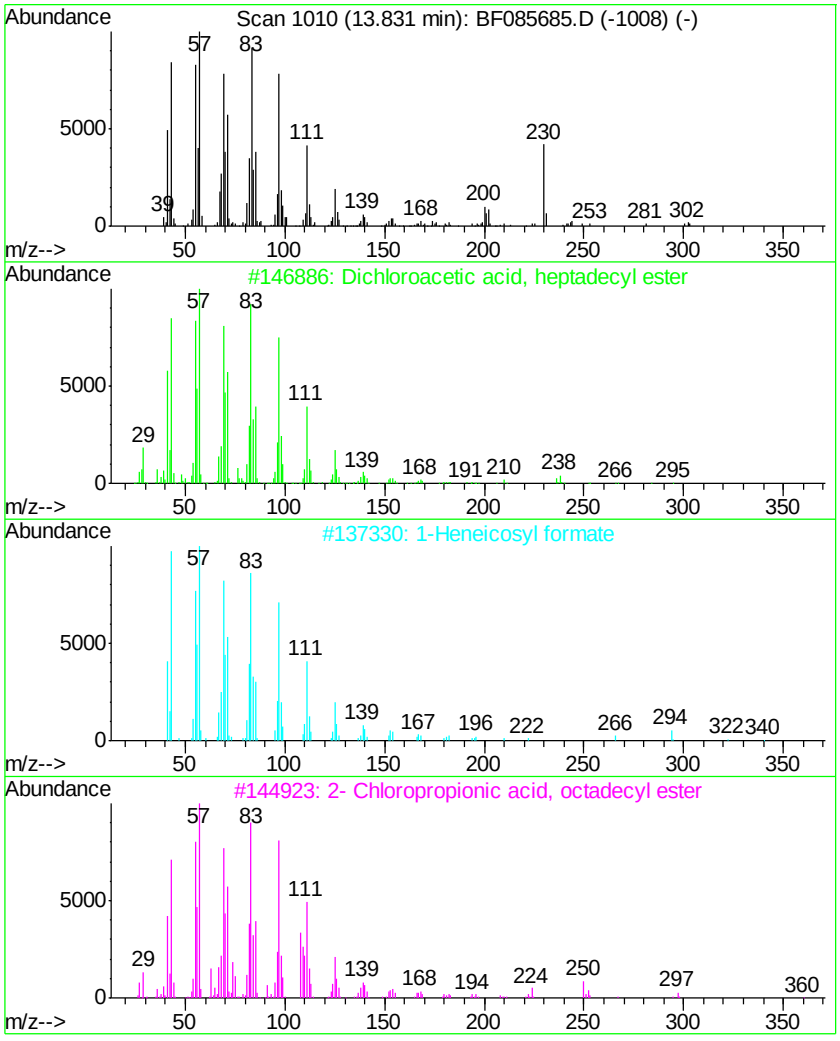
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

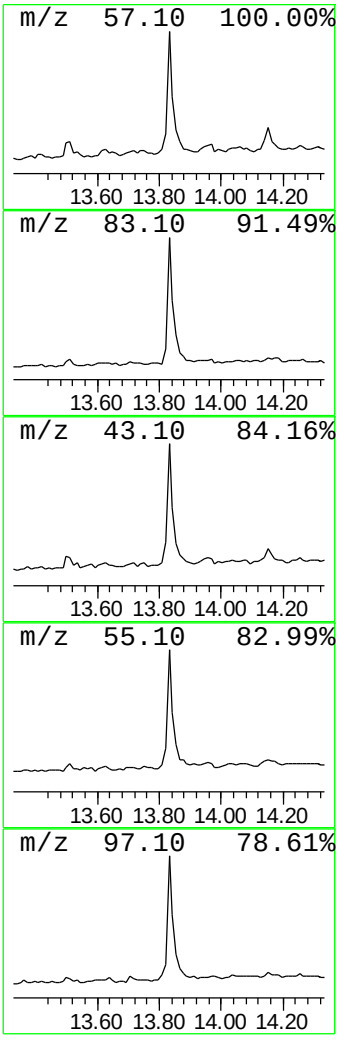
****

Peak Number 8 Dichloroacetic acid, heptad... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	6.85 ng	439366	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
2	1-Heneicosyl formate	340	C22H44O2	077899-03-7	93
3	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	93
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
5	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

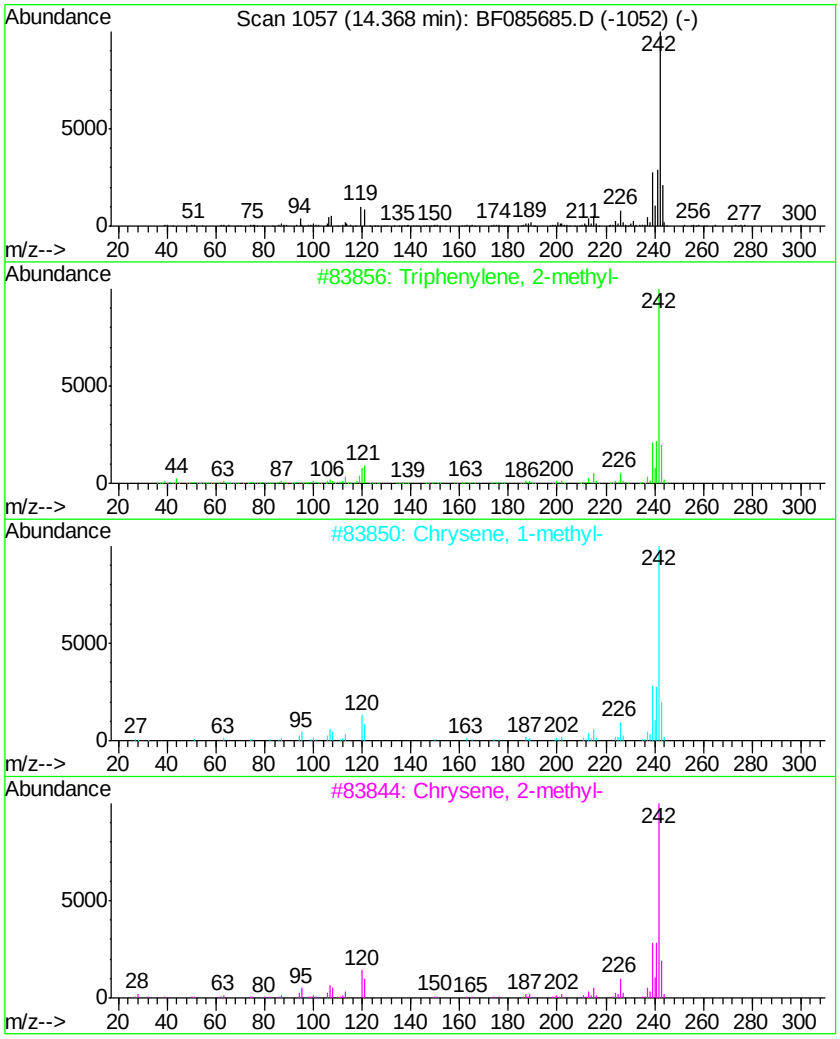
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

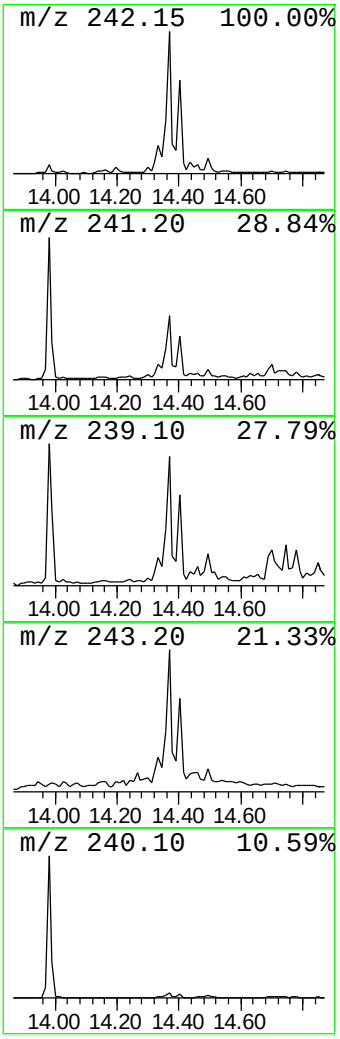
****

Peak Number 9 Triphenylene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	5.75 ng	368763	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	98
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	98
3	Chrysene, 2-methyl-	242	C19H14	003351-32-4	96
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	94





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

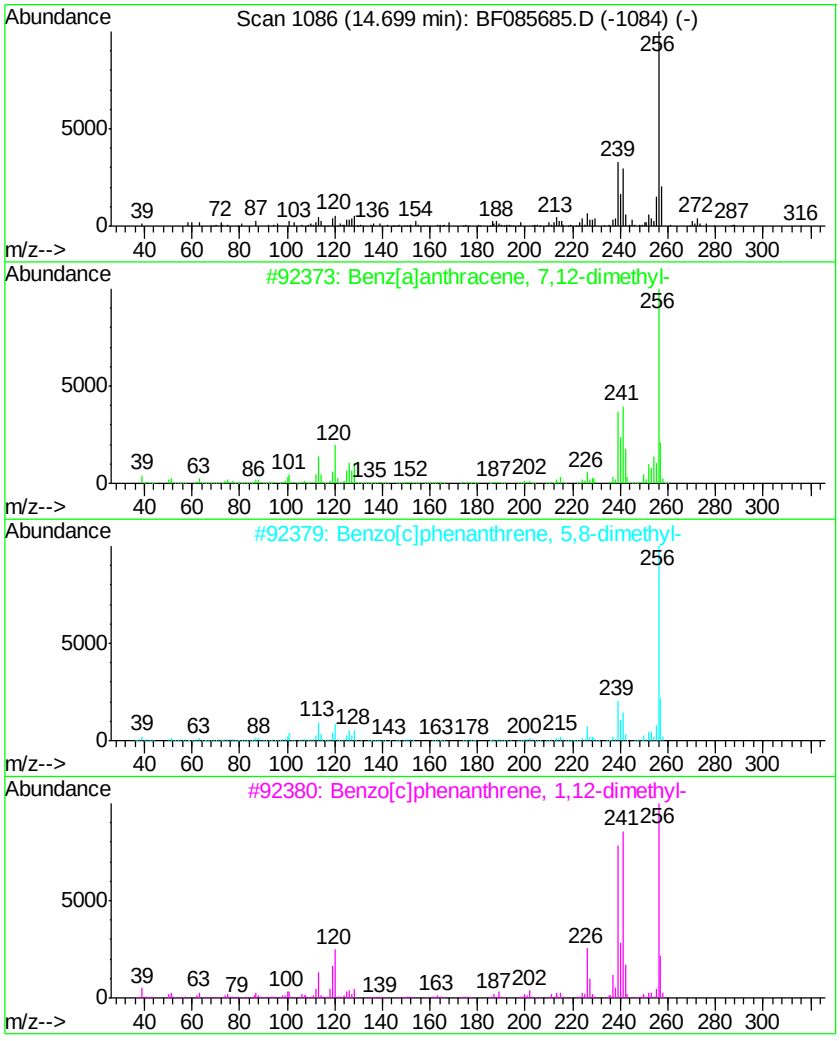
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

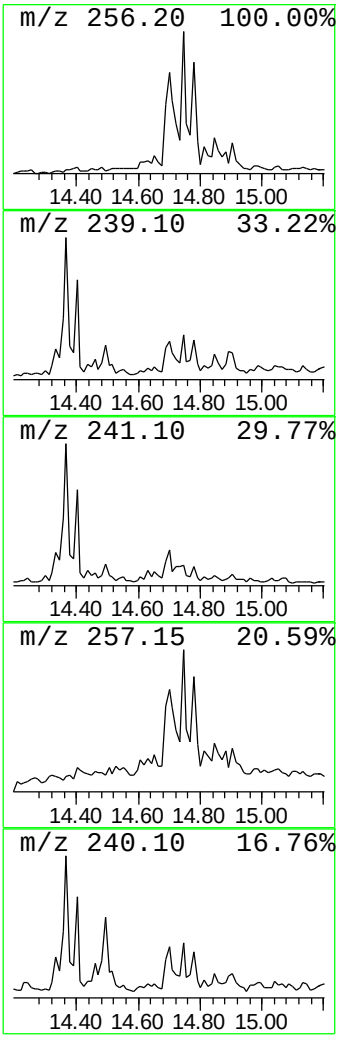
****

Peak Number 10 Benz[a]anthracene, 7,12-dim... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	3.15 ng	112276	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	93
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	90
3	Benzo[c]phenanthrene, 1,12-dimet...	256	C20H16	004076-43-1	83
4	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	74
5	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

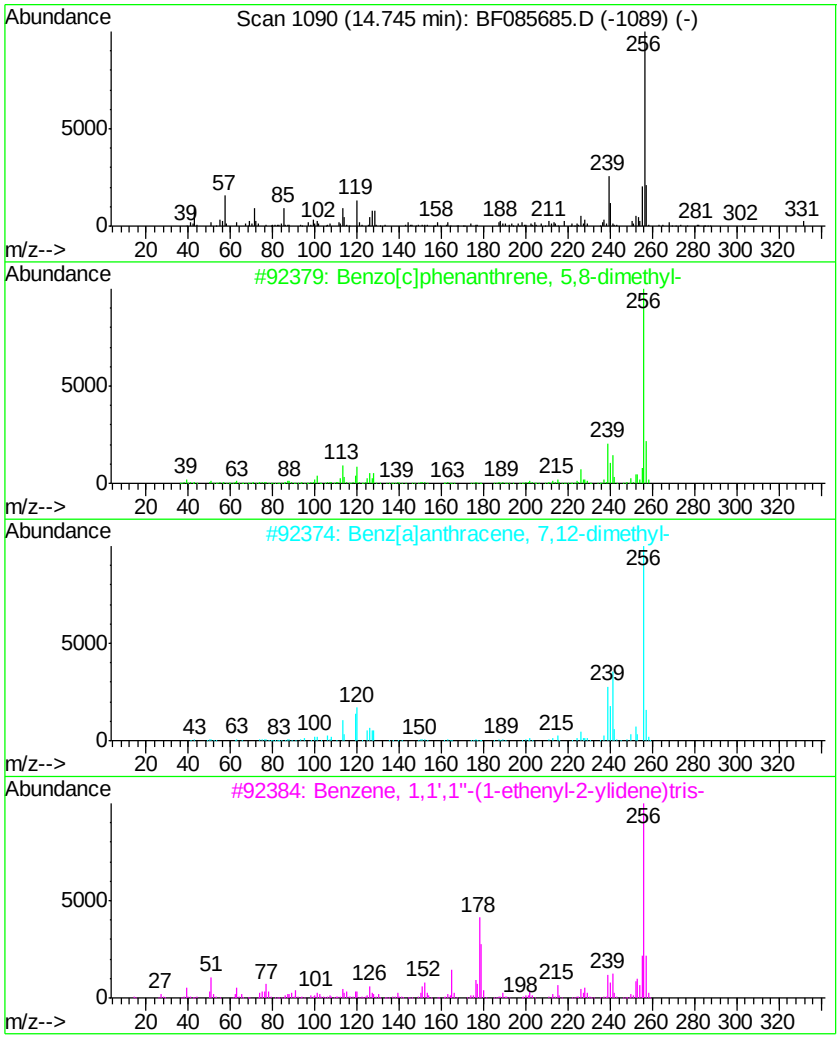
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

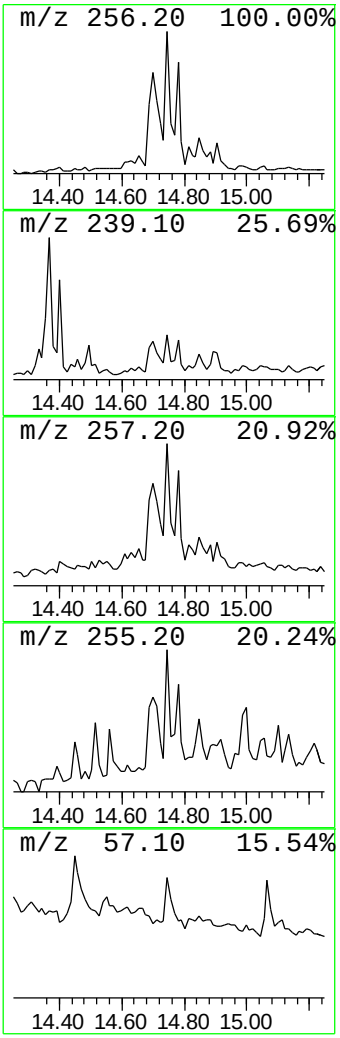
****

Peak Number 11 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	2.11 ng	75161	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	93
2	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	83
3	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	59
4	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	59
5	1H-Pyrazole, 1-(4-chlorophenyl)-...	256	C15H13ClN2	002535-78-6	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

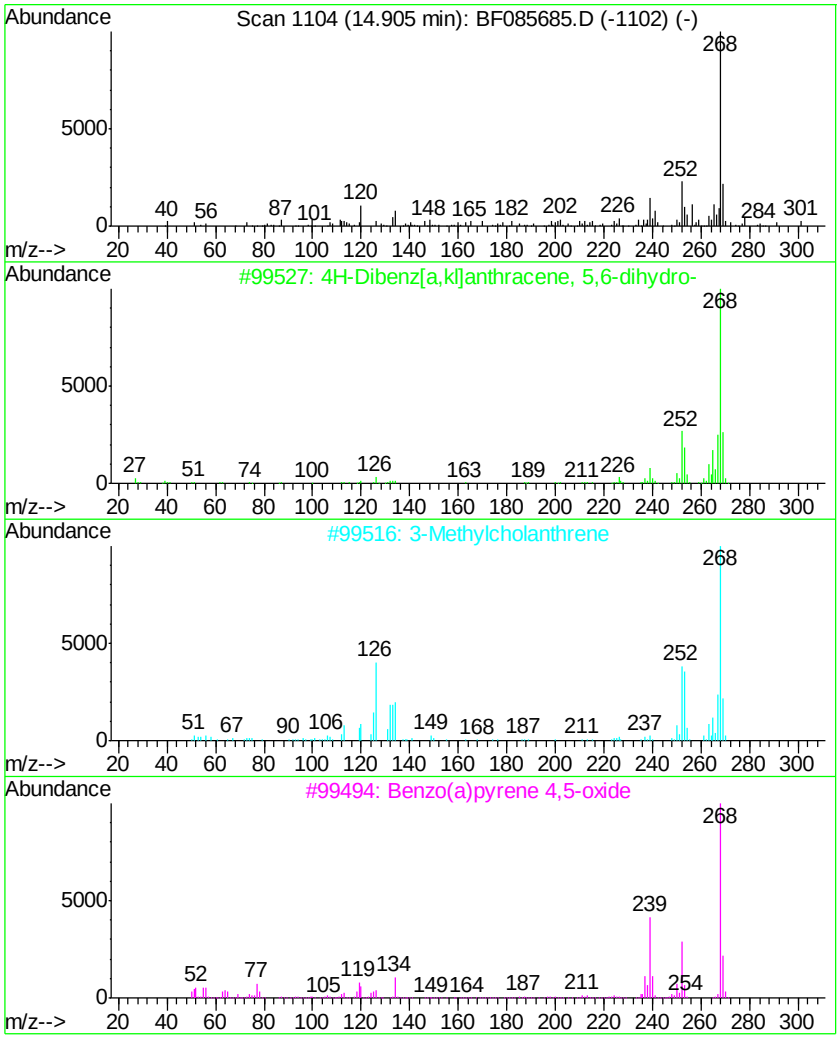
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

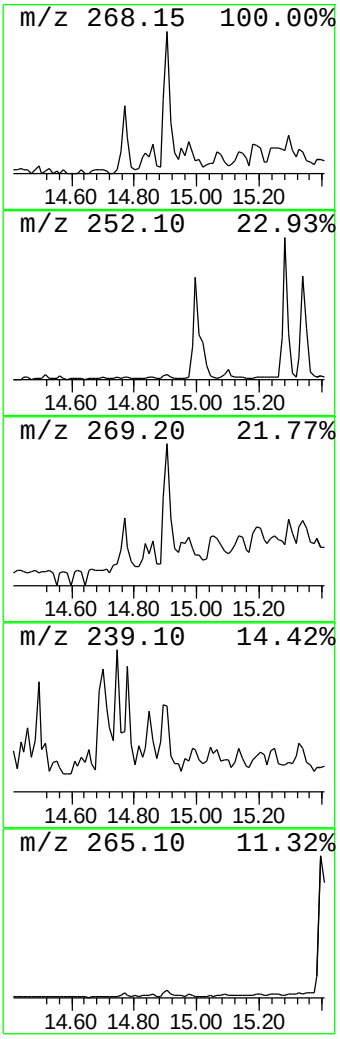
****

Peak Number 13 4H-Dibenz[a,kl]anthracene, ... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	2.38 ng	84889	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	68
2	3-Methylcholanthrene	268	C21H16	000056-49-5	64
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	62
4	9-Benzylphenanthrene	268	C21H16	000605-05-0	58
5	Naphthalene, 1,1'-methylenebis-	268	C21H16	000607-50-1	58





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

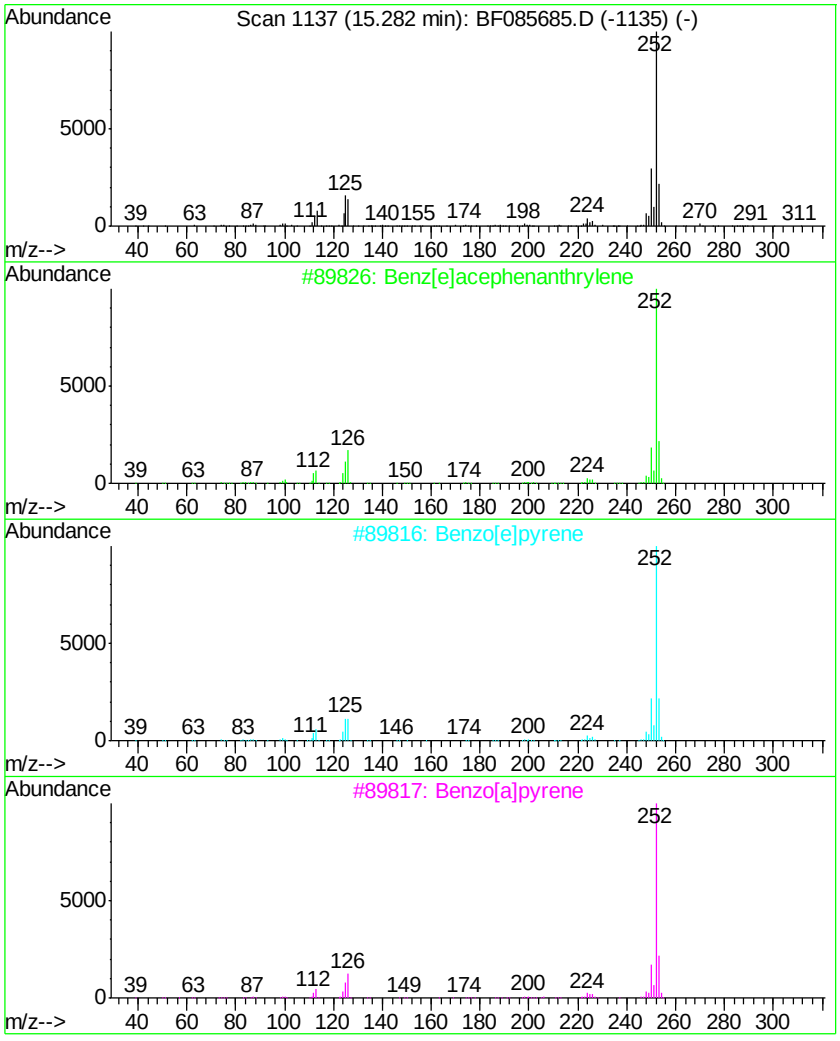
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

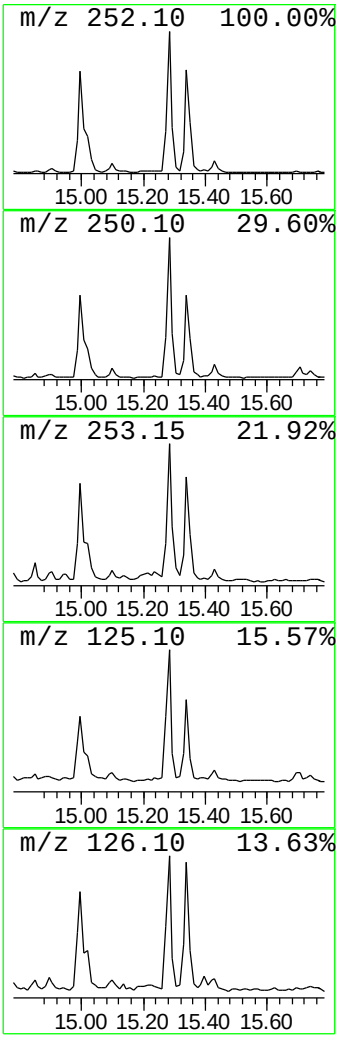
****

Peak Number 14 Benz[e]acephenanthrylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	8.26 ng	294402	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

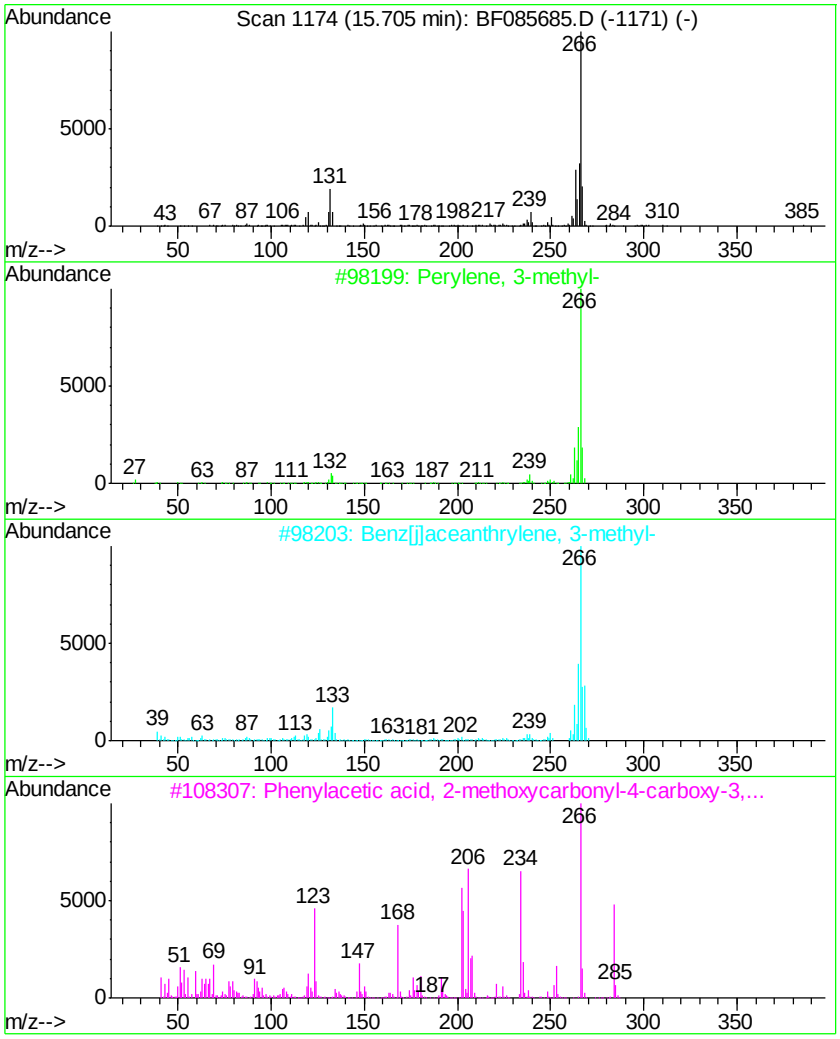
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

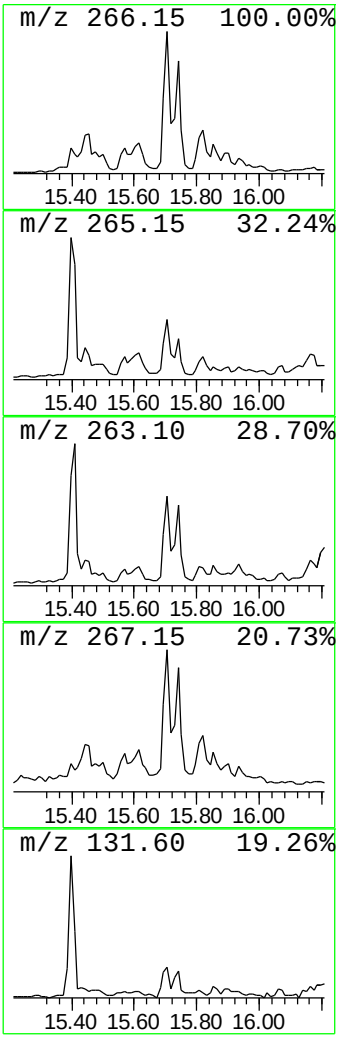
****

Peak Number 15 Perylene, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	5.85 ng	208627	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	96
2	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	89
3	Phenylacetic acid, 2-methoxycarb...	284	C12H12O8	006121-79-5	86
4	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	59
5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	52





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

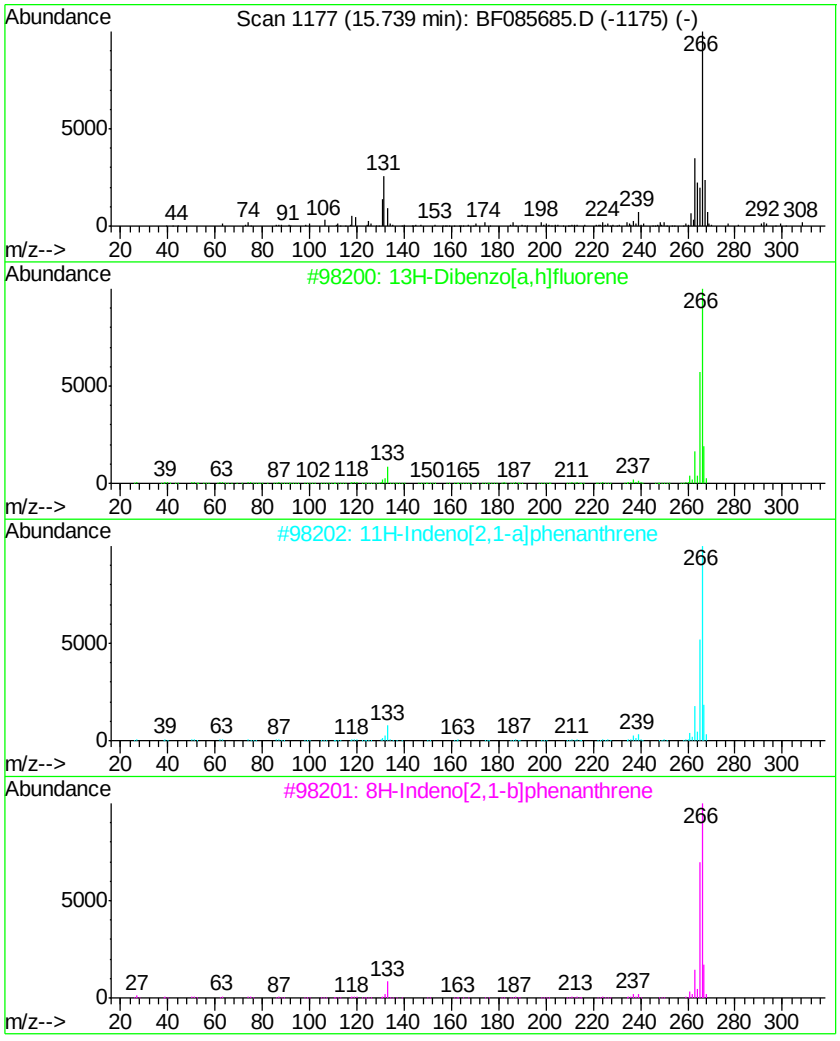
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

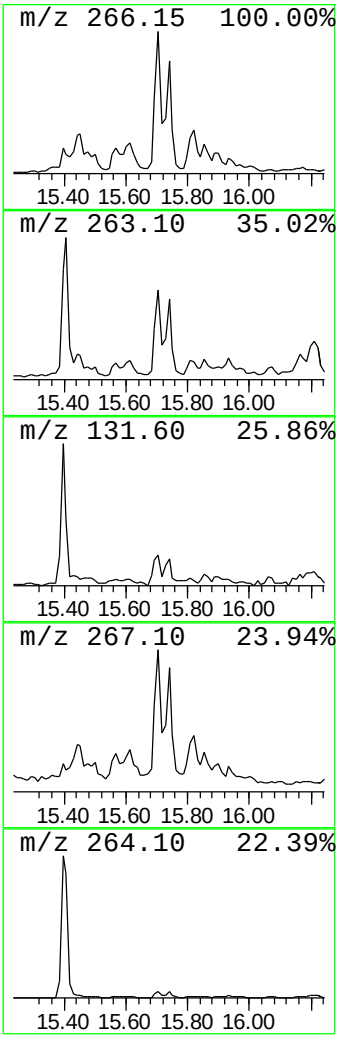
****

Peak Number 16 13H-Dibenzo[a,h]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	5.19 ng	184990	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	53
2	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	49
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	49
4	5-Hydroxy-4-methoxy-6H-indolo[3,...	266	C15H10N2O3	018110-86-6	46
5	Perylene, 3-methyl-	266	C21H14	024471-47-4	46





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

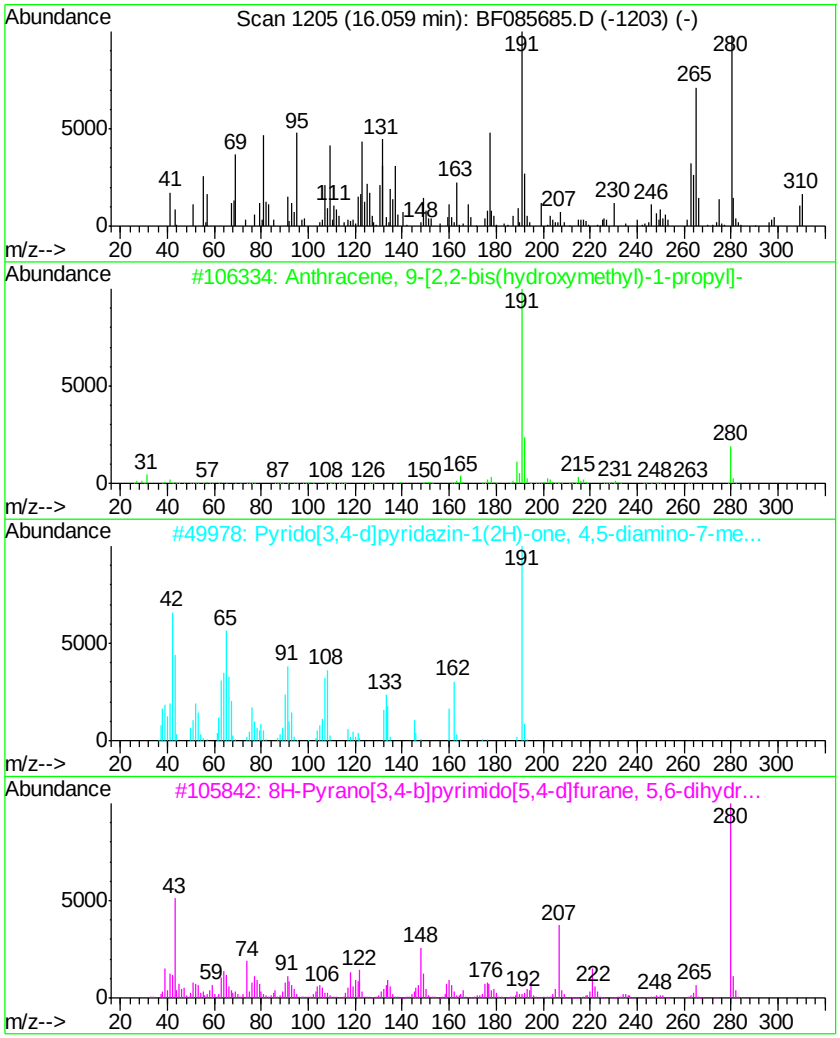
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

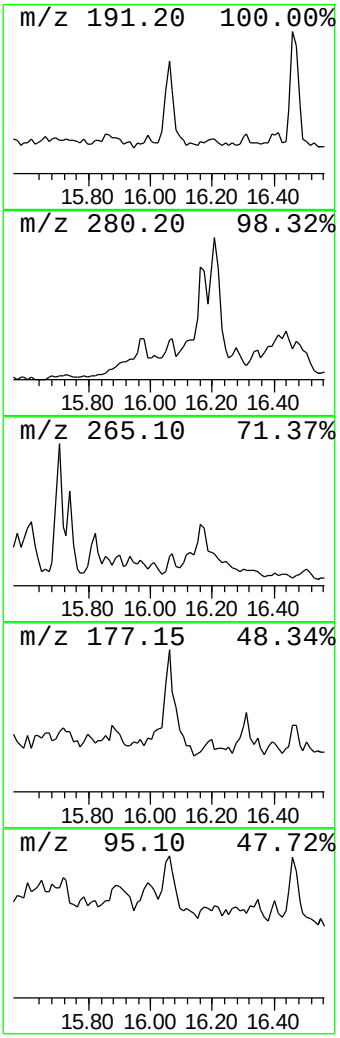
****

Peak Number 17 unknown16.06 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.25 ng	80062	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-[2,2-bis(hydroxyme...	280	C19H20O2	144000-85-1	30
2	Pyrido[3,4-d]pyridazin-1(2H)-one...	191	C8H9N5O	1000263-69-7	25
3	8H-Pyrano[3,4-b]pyrimido[5,4-d]f...	280	C12H16N4O2S	253146-95-1	11
4	1-Methylene-2-benzoyl-6,7-dimeth...	309	C19H19NO3	052050-53-0	11
5	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	11





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

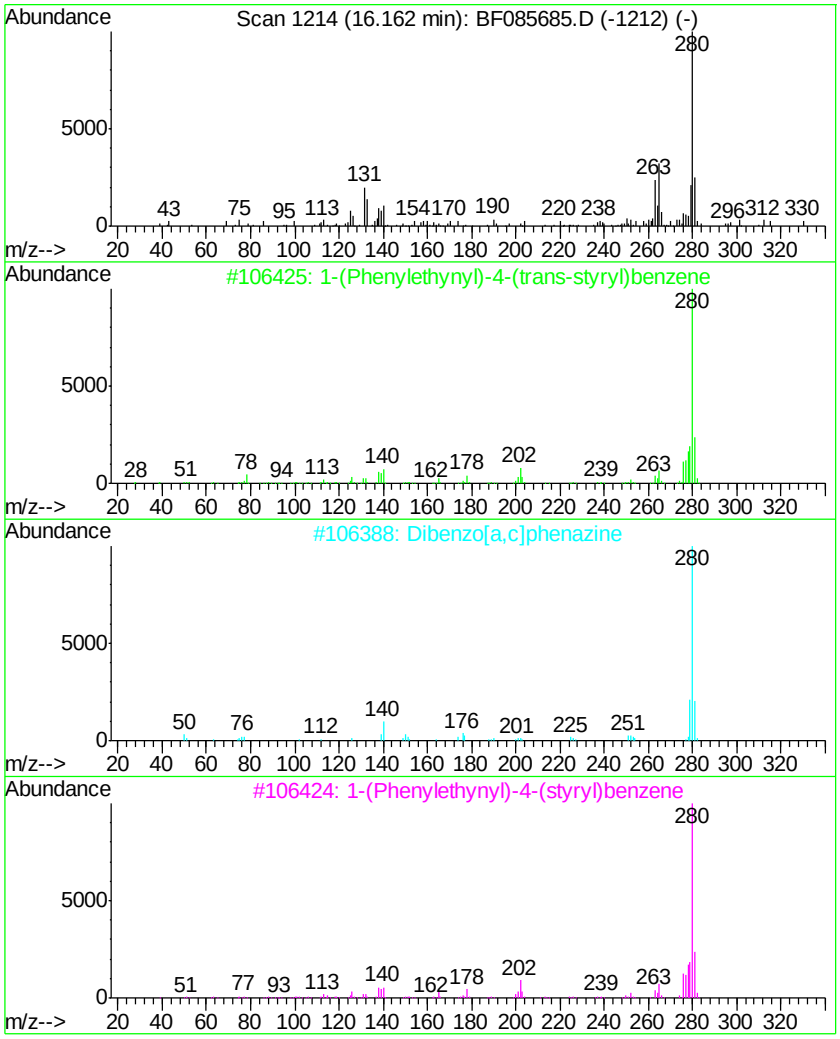
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

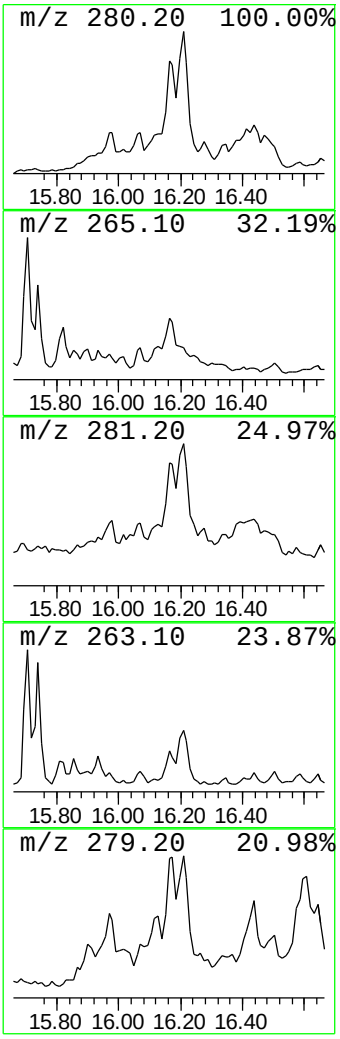
****

Peak Number 18 1-(Phenylethynyl)-4-(trans-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	2.35 ng	83947	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(Phenylethynyl)-4-(trans-styry...	280	C22H16	173035-17-1	64
2	Dibenzo[a,c]phenazine	280	C20H12N2	000215-64-5	60
3	1-(Phenylethynyl)-4-(styryl)benzene	280	C22H16	021850-30-6	58
4	Dibenz[a,h]anthracene, 5,6-dihydro-	280	C22H16	000153-34-4	53
5	Benzo[h]naphtho[1,2-c]cinnoline	280	C20H12N2	000213-51-4	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

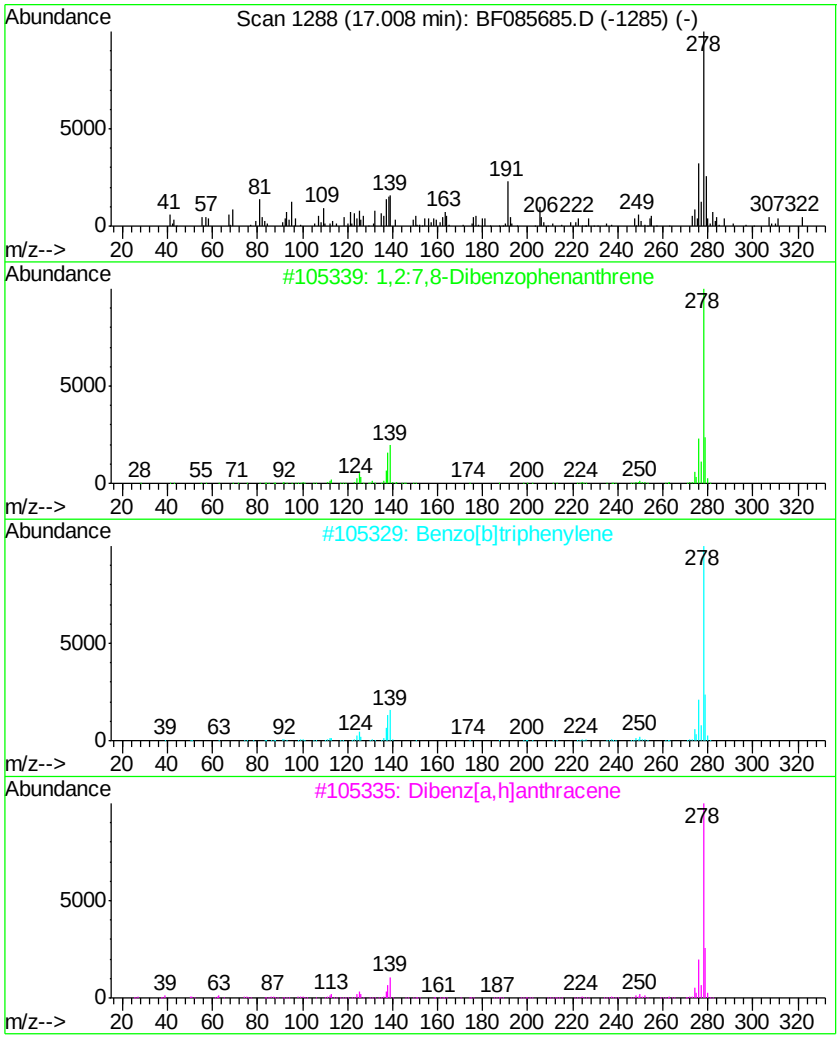
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

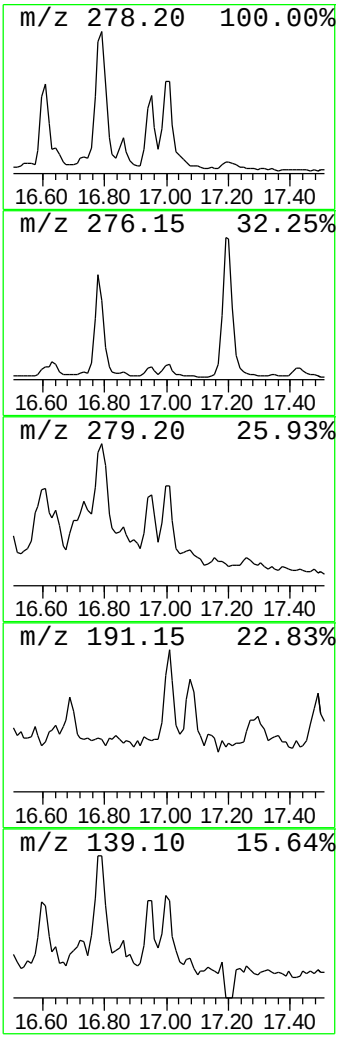
****

Peak Number 19 1,2:7,8-Dibenzophenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	2.59 ng	92450	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	90
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	78
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	60
4	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	60
5	Benzo[b]chrysene	278	C22H14	000214-17-5	60





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

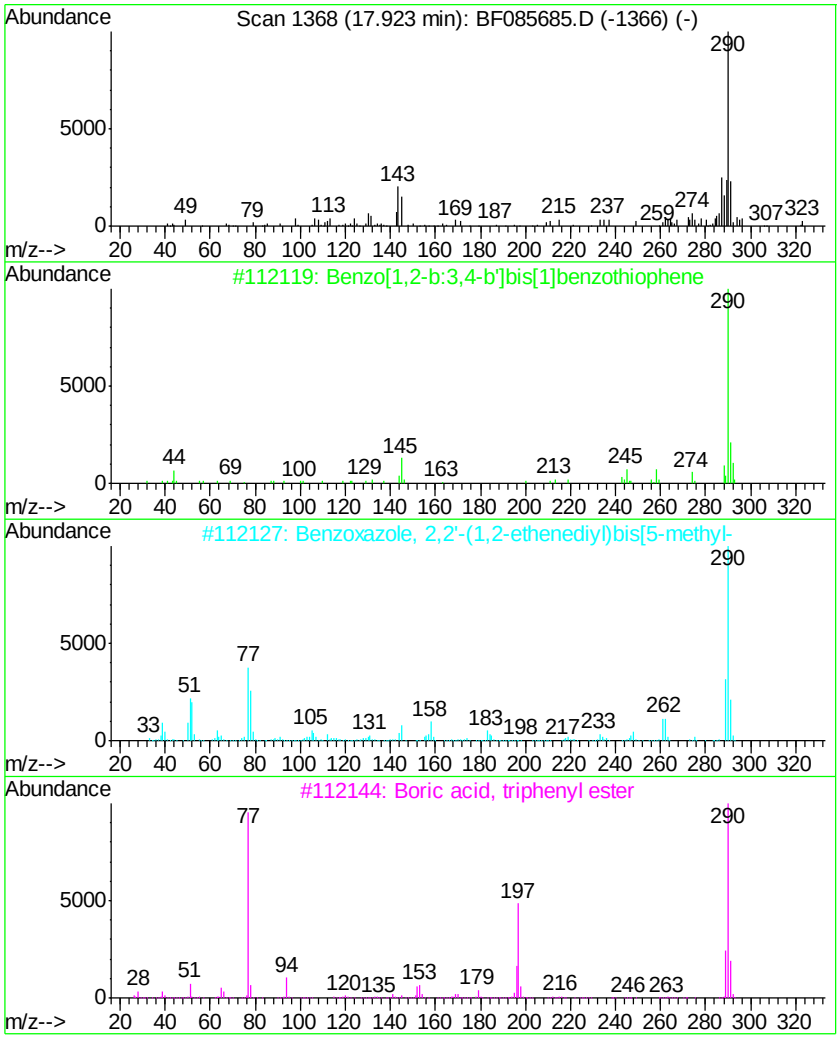
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

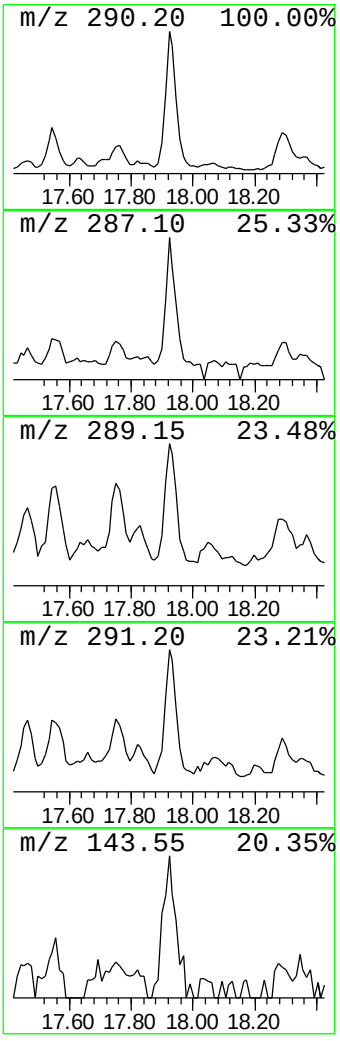
****

Peak Number 20 unknown17.92 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	2.62 ng	93496	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[1,2-b:3,4-b']bis[1]benzoth...	290	C18H10S2	000198-89-0	47
2	Benzoxazole, 2,2'-(1,2-ethenediy...	290	C18H14N2O2	001041-00-5	47
3	Boric acid, triphenyl ester	290	C18H15BO3	001095-03-0	47
4	Benzonitrile, 2-(2-hydroxy-3,5-d...	290	C14H8Cl2N2O	316133-55-8	46
5	Ferrocene, benzoyl-	290	C17H14FeO	001272-44-2	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085685.D
Acq On : 23 Mar 2016 4:36
Operator : UM/SJ
Sample : H1886-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.01	21.2	ng	815633	1	6.84	768231	20.0
2-Pentanone, 4-me...	5.83	2.0	ng	78561	1	6.84	768231	20.0
unknown6.60	6.60	67.9	ng	2609160	1	6.84	768231	20.0
Hexadecane	10.30	2.3	ng	133133	3	9.86	1149370	20.0
Eicosane	10.77	3.0	ng	182119	4	11.35	1224970	20.0
1H-Cyclopropa[l]p...	11.88	4.8	ng	295433	4	11.35	1224970	20.0
Dichloroacetic ac...	13.83	6.8	ng	439366	5	13.98	1282160	20.0
Triphenylene, 2-m...	14.37	5.8	ng	368763	5	13.98	1282160	20.0
Benz[a]anthracene...	14.70	3.1	ng	112276	6	15.40	713002	20.0
Benzo[c]phenanthr...	14.75	2.1	ng	75161	6	15.40	713002	20.0
4H-Dibenz[a,kl]an...	14.91	2.4	ng	84889	6	15.40	713002	20.0
Benz[e]acephenant...	15.28	8.3	ng	294402	6	15.40	713002	20.0
Perylene, 3-methyl-	15.71	5.8	ng	208627	6	15.40	713002	20.0
13H-Dibenzo[a,h]f...	15.74	5.2	ng	184990	6	15.40	713002	20.0
unknown16.06	16.06	2.3	ng	80062	6	15.40	713002	20.0
1-(Phenylethynyl)...	16.16	2.4	ng	83947	6	15.40	713002	20.0
1,2:7,8-Dibenzoph...	17.01	2.6	ng	92450	6	15.40	713002	20.0
unknown17.92	17.92	2.6	ng	93496	6	15.40	713002	20.0