LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

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-BF081715.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	4.606	247	251	262	rVB	751145	1446374	46.81%	3.089%
2	5.074	289	292	294	rBV	1610777	1804192	58.39%	3.853%
3	6.160	384	387	390	rBV	1281898	1911321	61.85%	4.082%
4	6.274	394	397	399	rBV	1860347	1799520	58.24%	3.843%
5	6.503	415	417	419	rVB	402295	323970	10.48%	0.692%
6	6.663	428	431	433	rBV	1545494	1402868	45.40%	2.996%
7	7.086	464	468	470	rBV	830518	1265023	40.94%	2.701%
8	7.794	528	530	534	rVB2	410476	537622	17.40%	1.148%
9	8.503	590	592	594	rBV	66643	56567	1.83%	0.121%
10	8.595	599	600	603	rVB	57277	52782	1.71%	0.113%
11	8.869	622	624	627	rBV	1459661	1828979	59.19%	3.906%
12	9.269	657	659	661	rVV	262549	216039	6.99%	0.461%
13	9.395	666	670	672	rVB	54901	52411	1.70%	0.112%
14	9.532	680	682	683	rBV	521466	444080	14.37%	0.948%
15	9.566	683	685	687	rVB	438624	381898	12.36%	0.816%
16	9.738	697	700	702	rBV	157392	148995	4.82%	0.318%
17	10.069	728	729	731	rVB	222377	241729	7.82%	0.516%
18	10.138	731	735	736	rBV	44207	57584	1.86%	0.123%
19	10.320	748	751	753	rBV	1027099	1164835	37.70%	2.487%
20	10.458	760	763	766	rVB2	45434	84050	2.72%	0.179%
21	10.618	774	777	778	rBV	48702	69574	2.25%	0.149%
22	10.766	786	790	792	rBV4	28814	84482	2.73%	0.180%
23	10.812	792	794	796	rVB	159710	141867	4.59%	0.303%
24	10.892	800	801	803	rBV2	134467	153811	4.98%	0.328%
25	11.029	808	813	815	rBV2	1732756	2614483	84.61%	5.583%
26	11.075	815	817	819	rVV	574442	531277	17.19%	1.135%
27	11.109	819	820	822	rVB	71823	66779	2.16%	0.143%
28	11.212	827	829	830	rBV	79563	90320	2.92%	0.193%
29	11.235	830	831	833	rVV	431962	338736	10.96%	0.723%
30	11.326	838	839	842	rBV3	56902	74411	2.41%	0.159%
31	11.498	851	854	855	rBV	255509	243901	7.89%	0.521%
32	11.532	855	857	858	rVV	281916	306049	9.90%	0.654%
33	11.589	858	862	868	rVB3	481922	1431164	46.32%	3.056%
34	11.681	868	870	871	rBV	52565	57912	1.87%	0.124%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

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-BF081715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.818	878	882	884	rVB2	292202	429129	13.89%	0.916%
36	11.943	890	893	894	rBV	53470	71637	2.32%	0.153%
37	12.046	900	902	904	rBV2	100976	168327	5.45%	0.359%
38	12.081	904	905	908	rVV2	71492	90281	2.92%	0.193%
39	12.126	908	909	913	rVB2	111053	159750	5.17%	0.341%
40	12.218	913	917	919	rBV	2323306	3090060	100.00%	6.599%
41	12.263	919	921	926	rBV3	103952	214733	6.95%	0.459%
42	12.344	926	928	930	rBV	240966	266070	8.61%	0.568%
43	12.435	933	936	938	rBV	1755374	2565196	83.01%	5.478%
44	12.481	938	940	943	rVB	150367	172782	5.59%	0.369%
45	12.549	943	946	947	rBV	173172	168156	5.44%	0.359%
46	12.584	947	949	952	rVB	1314213	1571246	50.85%	3.355%
47	12.652	952	955	956	rBV2	147246	232107	7.51%	0.496%
48	12.755	960	964	966	rVB2	294792	464770	15.04%	0.993%
49	12.824	968	970	971	rBV	202532	185139	5.99%	0.395%
50	12.858	971	973	974	rBV	224761	222425	7.20%	0.475%
51	12.949	979	981	982	rVV	95615	117291	3.80%	0.250%
52	12.972	982	983	987	rVV2	93560	158165	5.12%	0.338%
53	13.064	989	991	995	rVB3	108964	178439	5.77%	0.381%
54	13.155	995	999	1000	rBV3	71706	152575	4.94%	0.326%
55	13.178	1000	1001	1004	rVV	86524	77246	2.50%	0.165%
56	13.258	1005	1008	1010	rVV	223389	241915	7.83%	0.517%
57	13.361	1015	1017	1019	rBV	220474	308216	9.97%	0.658%
58	13.395	1019	1020	1021	rVV	204564	206854	6.69%	0.442%
59	13.464	1025	1026	1028	rVB	233516	229454	7.43%	0.490%
60	13.509	1028	1030	1035	rBV2	151815	314408	10.17%	0.671%
61	13.612	1035	1039	1041	rBV2	1060750	2048531	66.29%	4.375%
62	13.646	1041	1042	1045	rVB	905297	908636	29.41%	1.940%
63	13.715	1046	1048	1050	rBV2	147867	214688	6.95%	0.458%
64	13.761	1050	1052	1053	rVV2	53326	66799	2.16%	0.143%
65	13.807	1054	1056	1058	rVV	106300	176399	5.71%	0.377%
66	13.841	1058	1059	1061	rVB	107925	110712	3.58%	0.236%
67	13.967	1068	1070	1071	rBV	95378	111855	3.62%	0.239%
68	14.001	1071	1073	1075	rVV	196021	224897	7.28%	0.480%
69	14.035	1075	1076	1078	rVB2	96240	95836	3.10%	0.205%
70	14.092	1078	1081	1082	rBV3	100377	136774	4.43%	0.292%
71	14.138	1082	1085	1089	rVB5	128795	278967	9.03%	0.596%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

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-BF081715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.309	1097	1100	1102	rBV3	104089	204057	6.60%	0.436%
73	14.412	1107	1109	1111	rVB2	47357	52431	1.70%	0.112%
74	14.469	1111	1114	1118	rBV3	89482	207278	6.71%	0.443%
75	14.618	1123	1127	1130	rVV	883477	1989866	64.40%	4.249%
76	14.687	1132	1133	1135	rVB	161229	205498	6.65%	0.439%
77	14.812	1142	1144	1145	rVB	75222	67870	2.20%	0.145%
78	14.847	1145	1147	1150	rVV	465000	694901	22.49%	1.484%
79	14.904	1150	1152	1154	rVB	831688	943344	30.53%	2.015%
80	14.972	1154	1158	1166	rVB3	286228	741356	23.99%	1.583%
81	15.338	1188	1190	1193	rBV3	36854	104844	3.39%	0.224%
82	15.395	1193	1195	1201	rVB2	81346	152247	4.93%	0.325%
83	15.761	1225	1227	1230	rBV2	37848	81759	2.65%	0.175%
84	15.841	1232	1234	1241	rVB5	75977	227547	7.36%	0.486%
85	15.967	1241	1245	1252	rBV4	84122	297935	9.64%	0.636%
86	16.115	1252	1258	1261	rBV	402872	791758	25.62%	1.691%
87	16.241	1267	1269	1271	rBV	85892	162552	5.26%	0.347%
88	16.287	1271	1273	1276	rVB2	73771	128654	4.16%	0.275%
89	16.458	1284	1288	1294	rVV	270422	633921	20.51%	1.354%
90	16.572	1295	1298	1301	rVV3	43894	112460	3.64%	0.240%
91	16.641	1301	1304	1310	rVB2	89597	214044	6.93%	0.457%
92	16.744	1310	1313	1319	rVB3	21033	57253	1.85%	0.122%
93	17.178	1349	1351	1359	rVB4	24923	66717	2.16%	0.142%
94	17.361	1363	1367	1371	rVB4	23081	72227	2.34%	0.154%
95	18.195	1432	1440	1447	rVB	68147	238024	7.70%	0.508%
96	18.344	1447	1453	1456	rBV	44340	157152	5.09%	0.336%
97	18.401	1456	1458	1466	rVB3	29968	92115	2.98%	0.197%
98	19.064	1512	1516	1518	rBV	19741	65165	2.11%	0.139%
99	19.133	1519	1522	1530	rVB2	41391	143650	4.65%	0.307%
100	19.407	1539	1546	1551	rVB4	15838	64855	2.10%	0.138%

Sum of corrected areas: 46827550

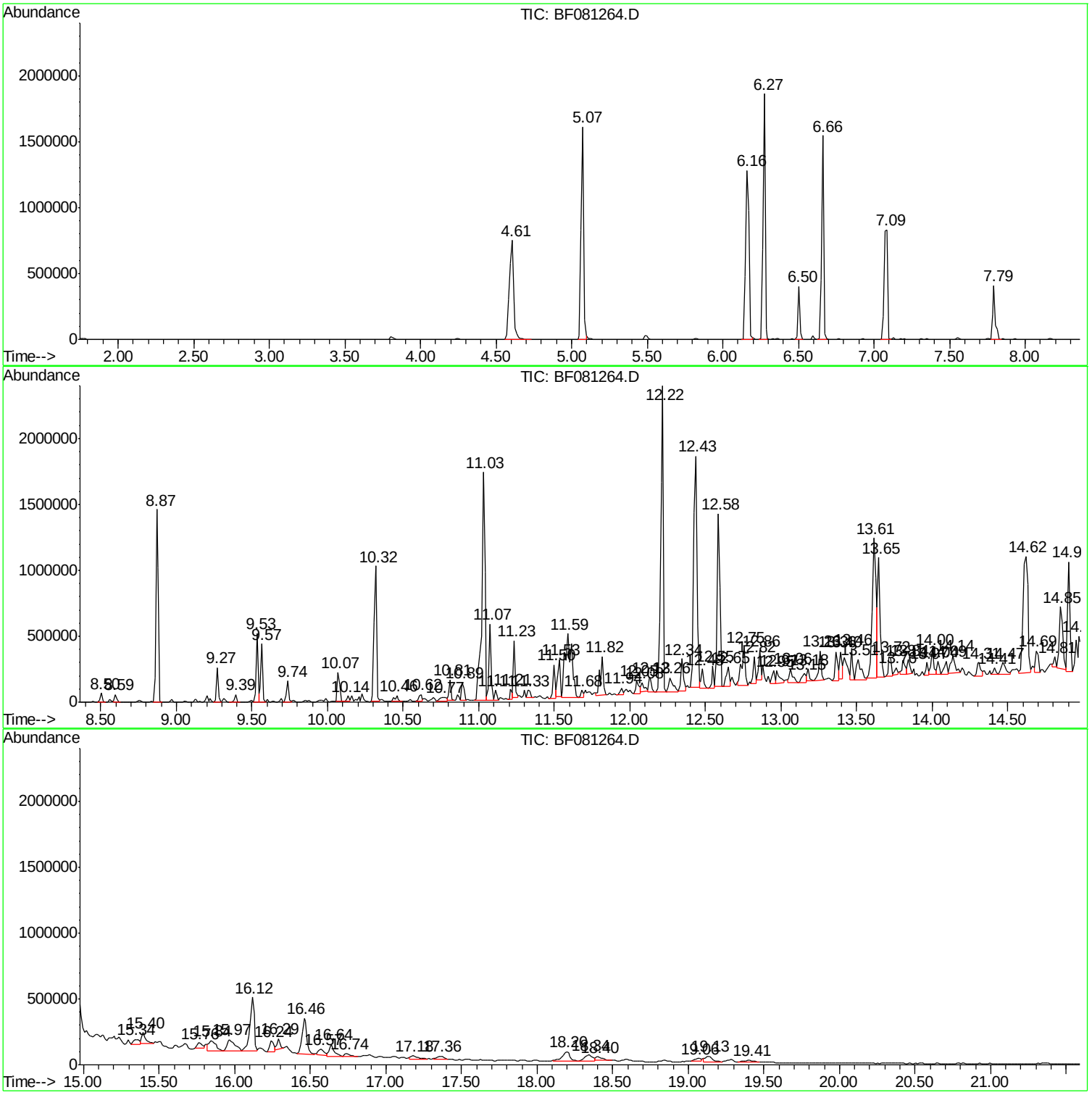
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

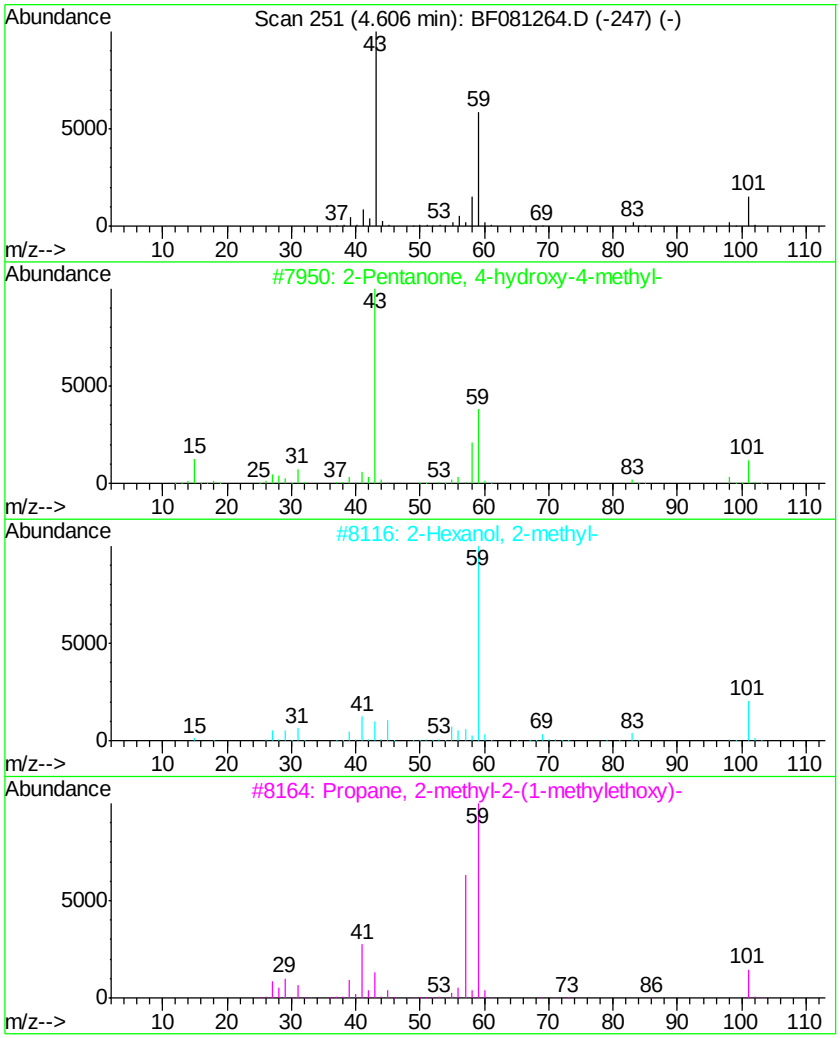
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

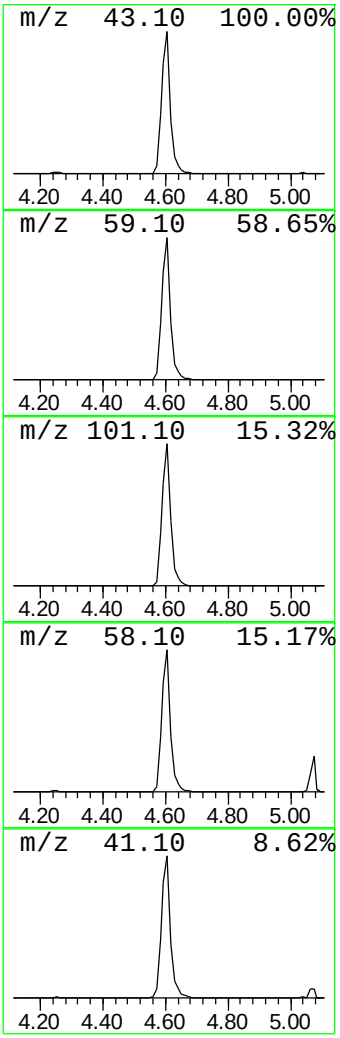
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.61	89.29 ng	1446370	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

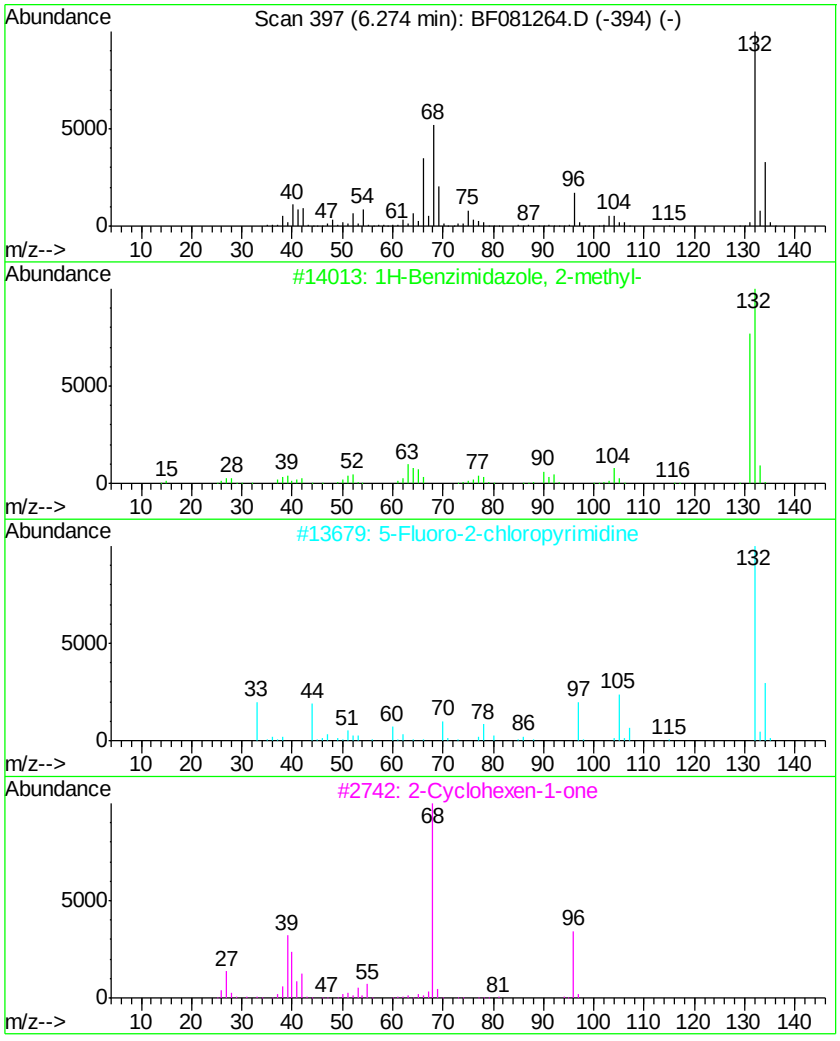
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

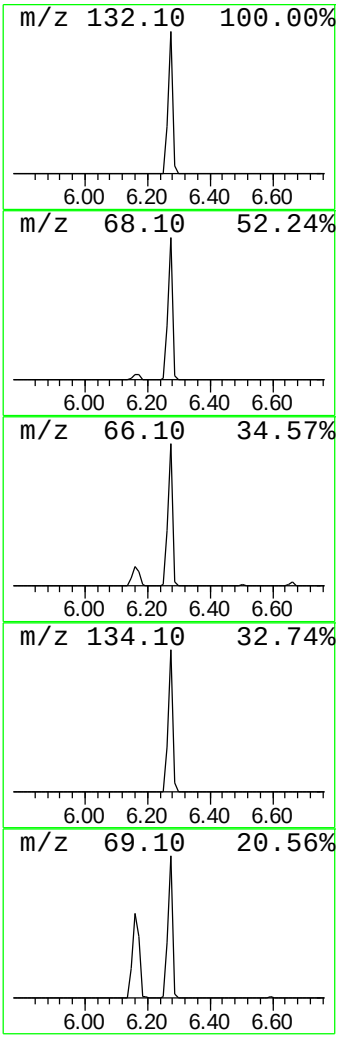
****

Peak Number 2 unknown6.27 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	111.09 ng	1799520	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

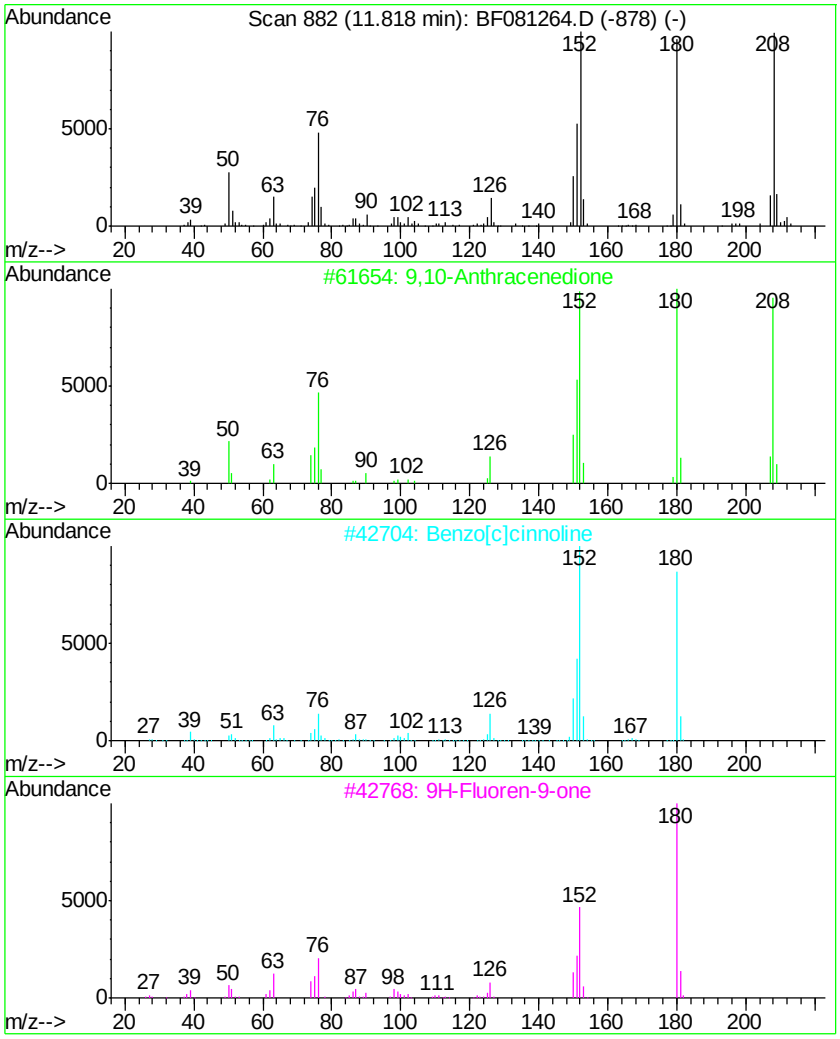
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

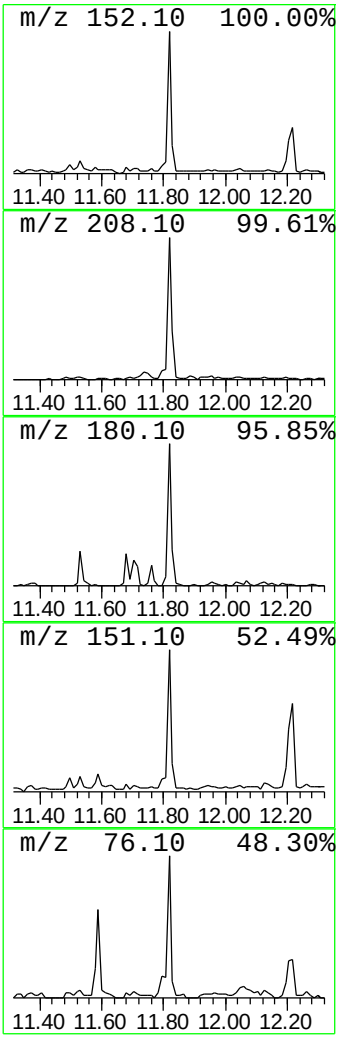
****

Peak Number 4 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.28 ng	429129	Phenanthrene-d10	11.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

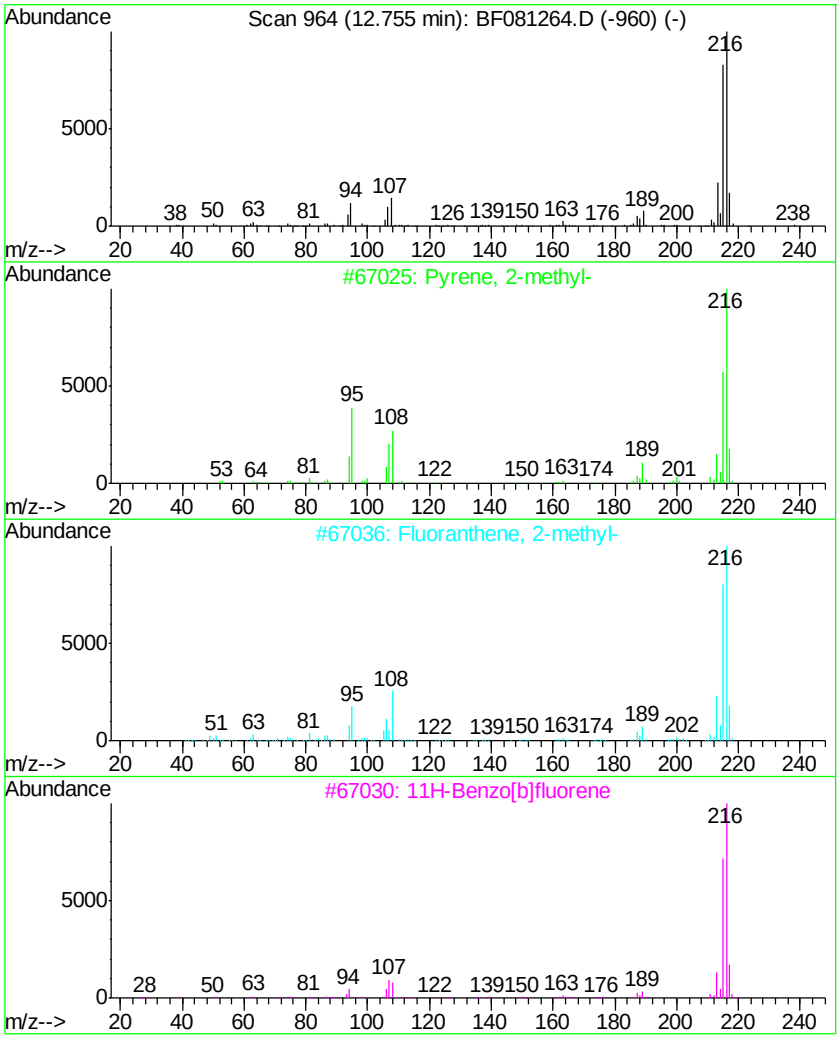
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

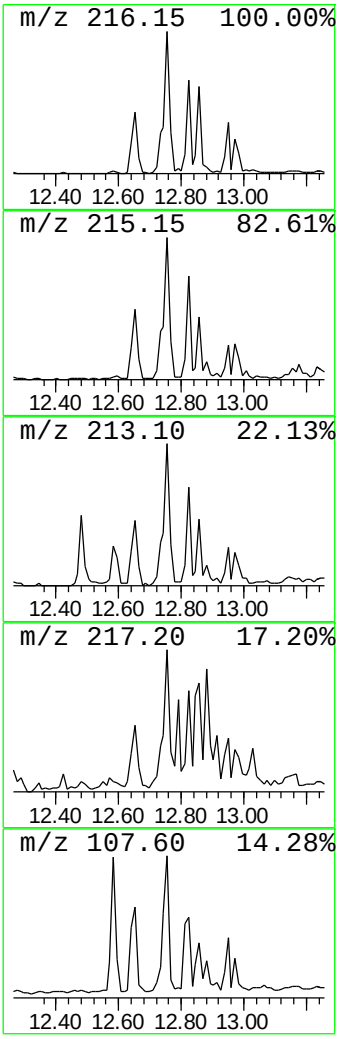
****

Peak Number 5 Pyrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	4.54 ng	464770	Chrysene-d12	13.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

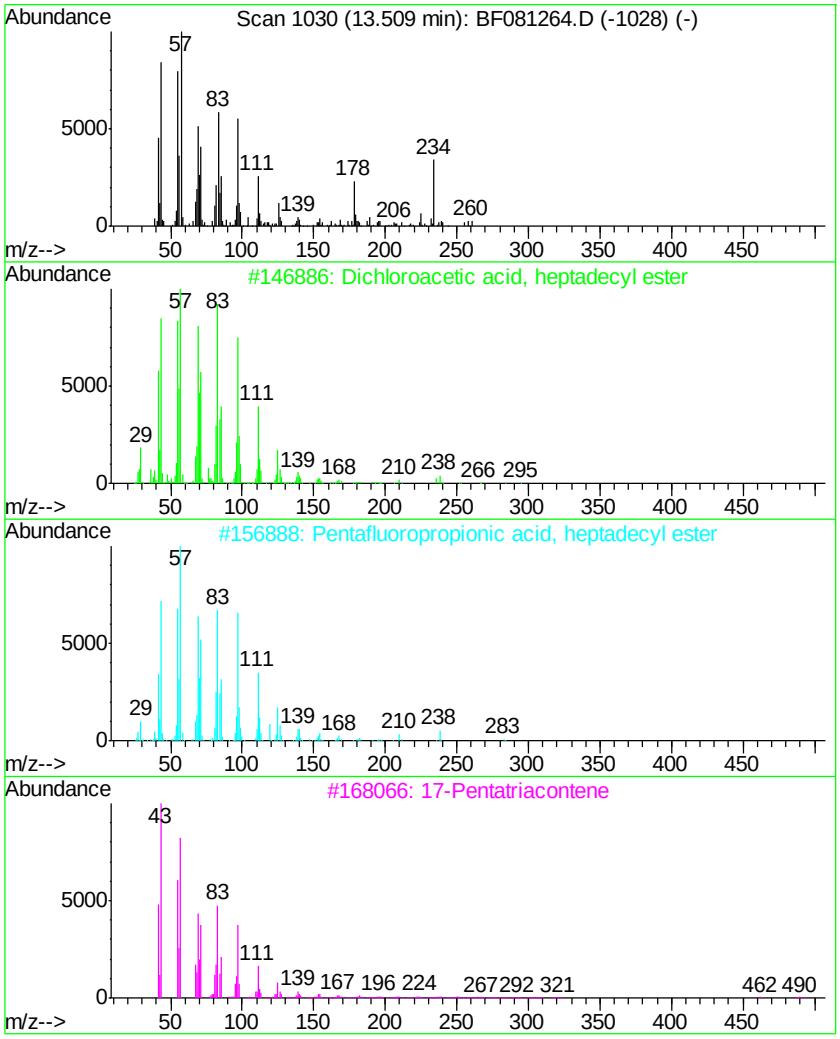
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

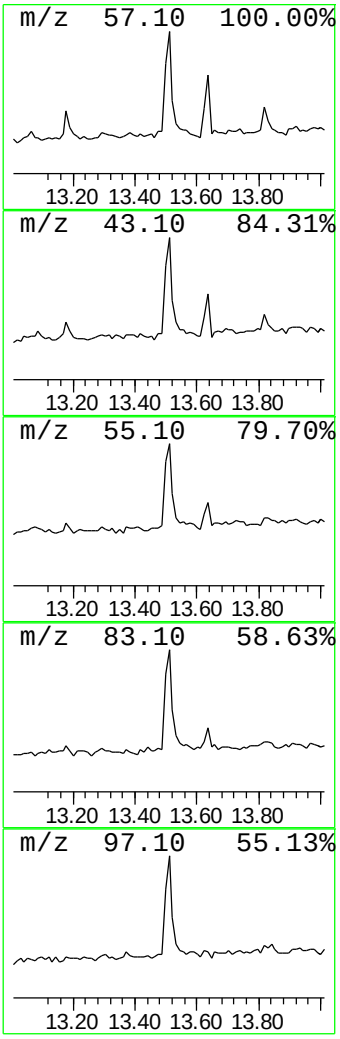
****

Peak Number 6 Dichloroacetic acid, heptad... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	3.07 ng	314408	Chrysene-d12	13.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	81
2	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	81
3	17-Pentatriacontene	491	C35H70	006971-40-0	74
4	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	70
5	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	70





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

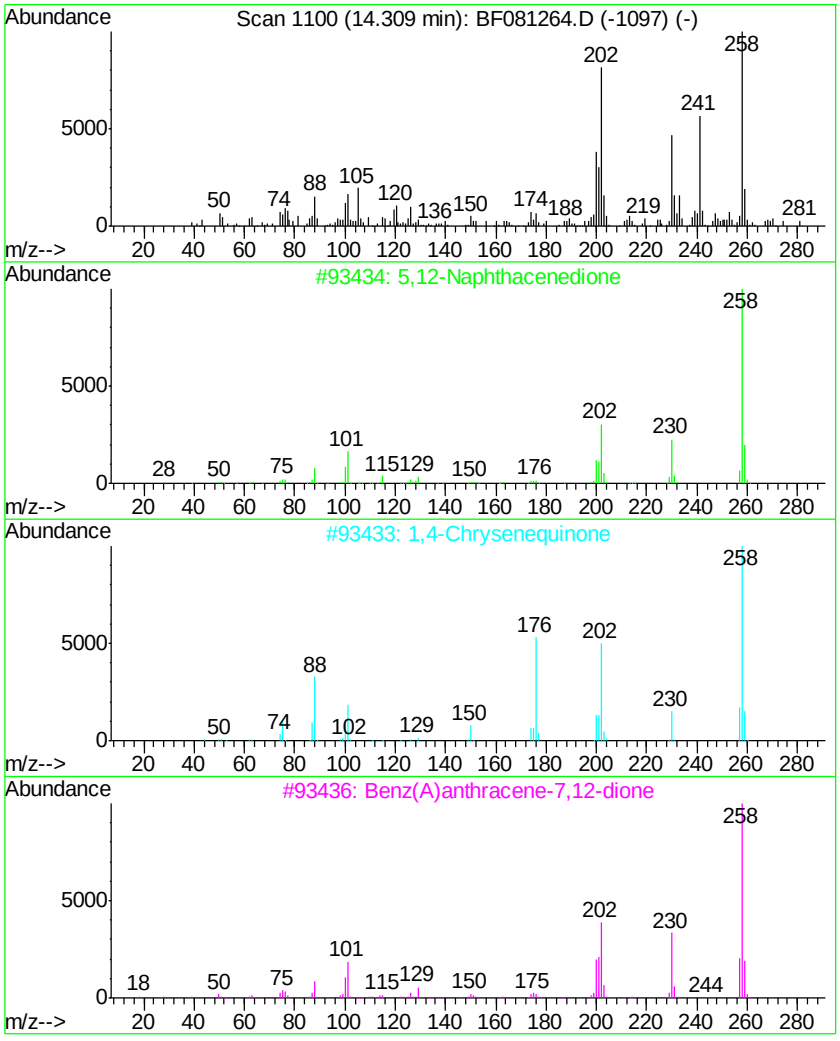
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

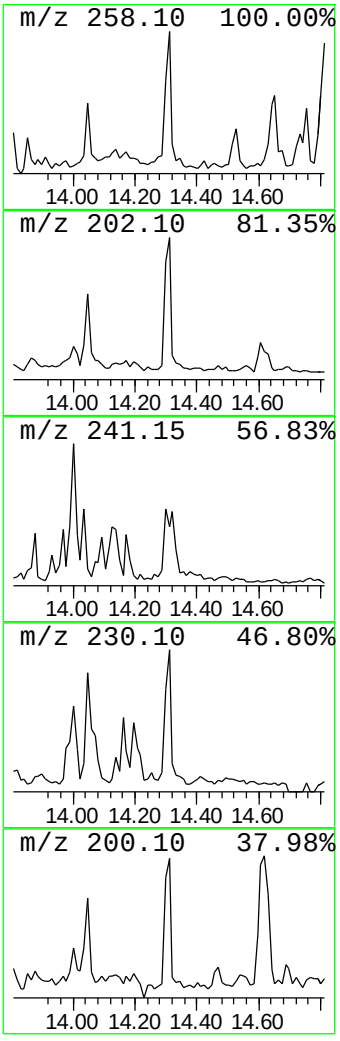
****

Peak Number 7 5,12-Naphthacenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	5.50 ng	204057	Perylene-d12	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	89
2	1,4-Chrysenequinone	258	C18H10O2	100900-16-1	58
3	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	58
4	3H-Xanthen-3-one, 2,6,7-trihydro...	258	C14H10O5	005407-46-5	35
5	Benzoic acid, 4,4'-oxybis-	258	C14H10O5	002215-89-6	30





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

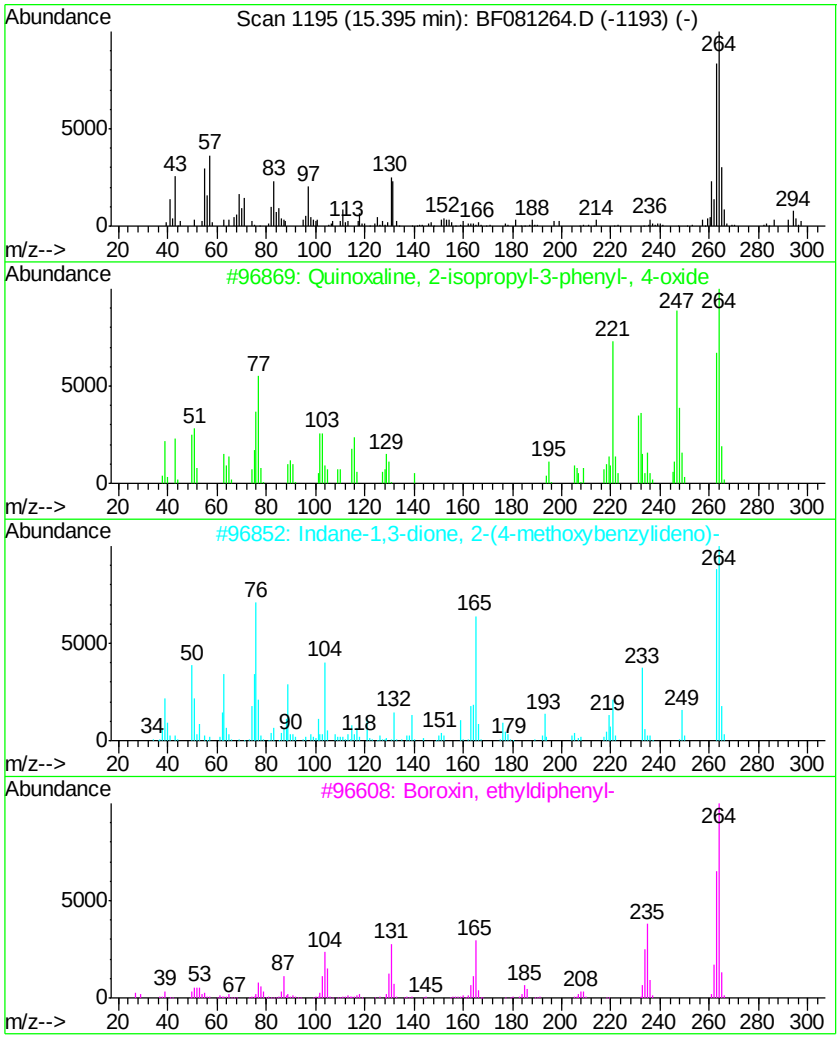
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

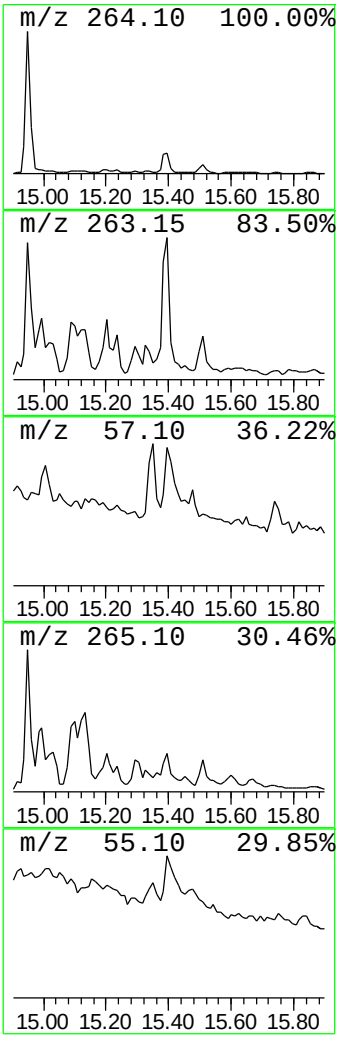
****

Peak Number 11 unknown15.40 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	4.11 ng	152247	Perylene-d12	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoxaline, 2-isopropyl-3-pheny...	264	C17H16N2O	016007-79-7	47
2	Indane-1,3-dione, 2-(4-methoxybe...	264	C17H12O3	007421-76-3	38
3	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	38
4	3,6-Dichlorocatechol, cyclic phe...	264	C12H7BCl2O2	1000293-25-1	35
5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	30





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

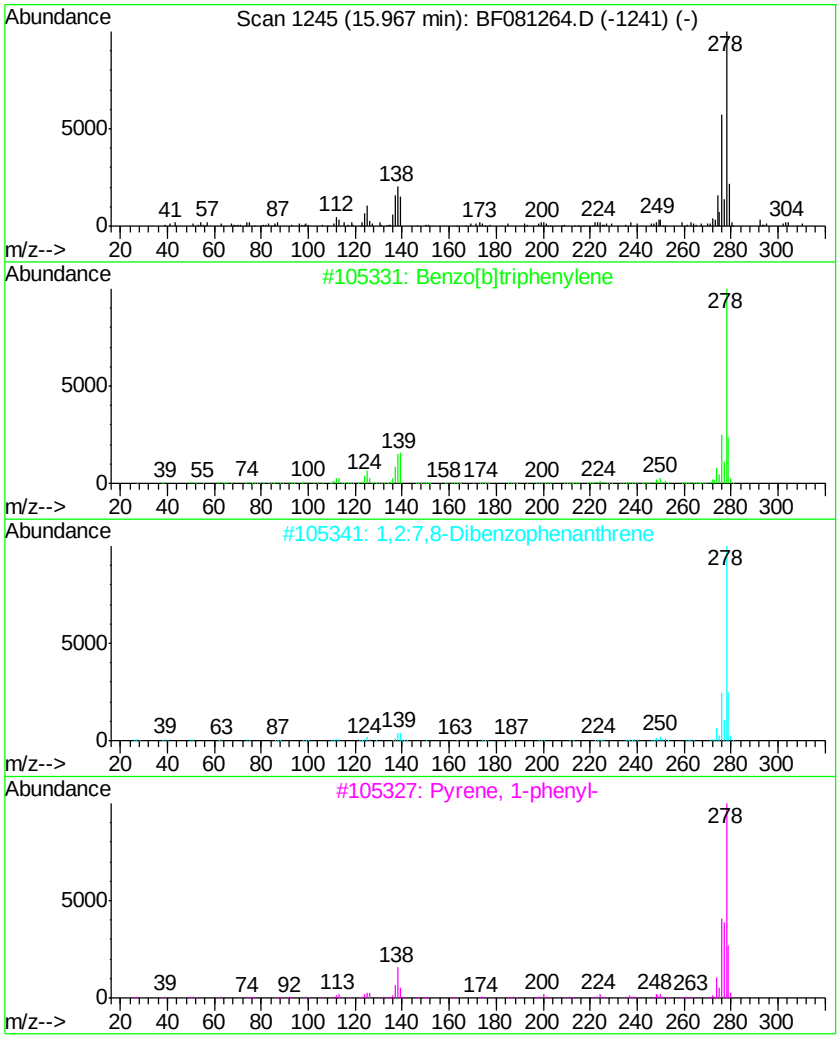
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

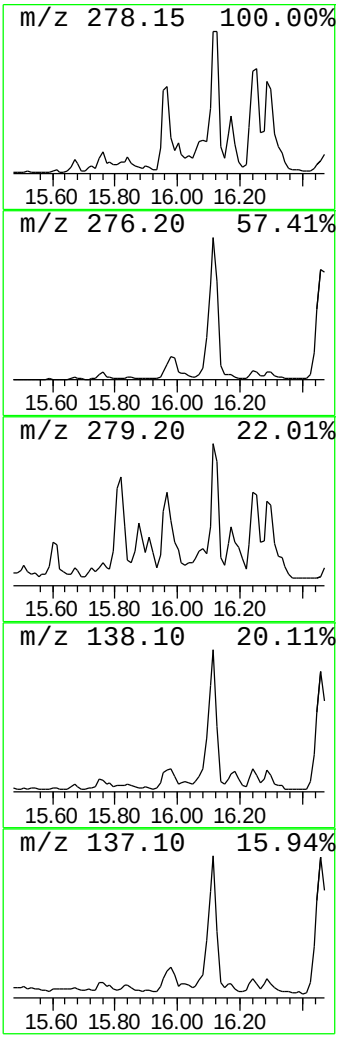
****

Peak Number 13 Benzo[b]triphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	8.04 ng	297935	Perylene-d12	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	64
3	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	49
4	Pentacene	278	C22H14	000135-48-8	46
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	46





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

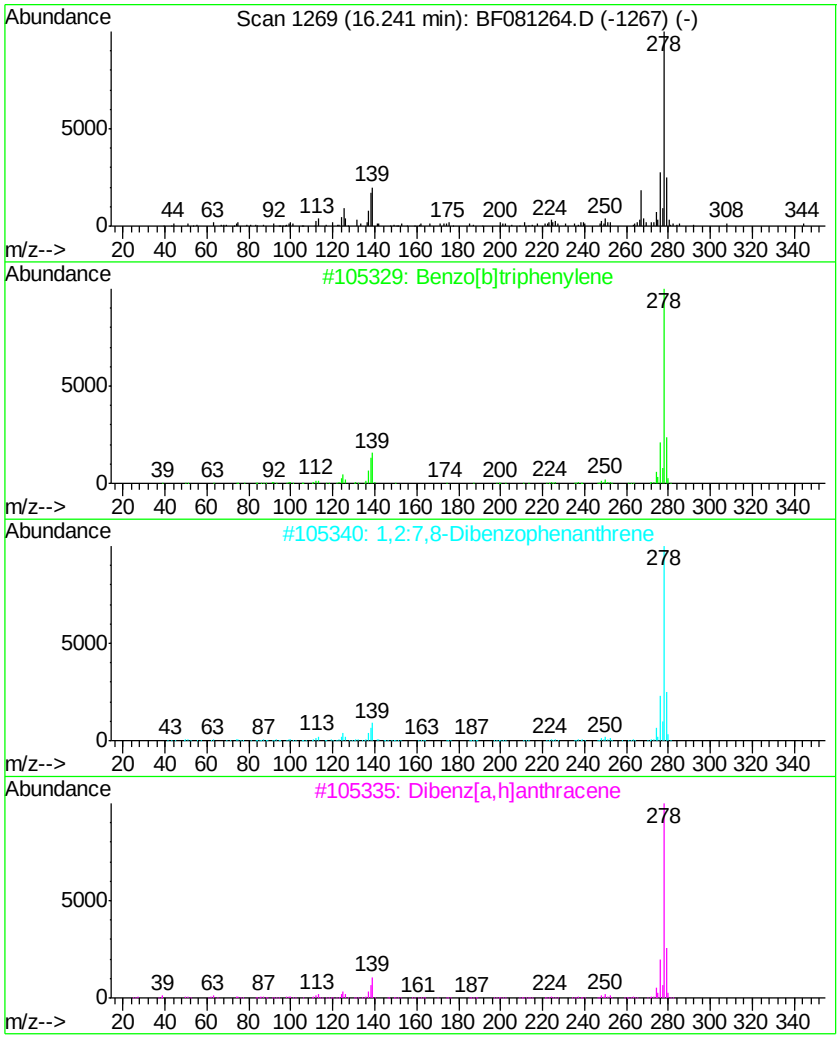
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

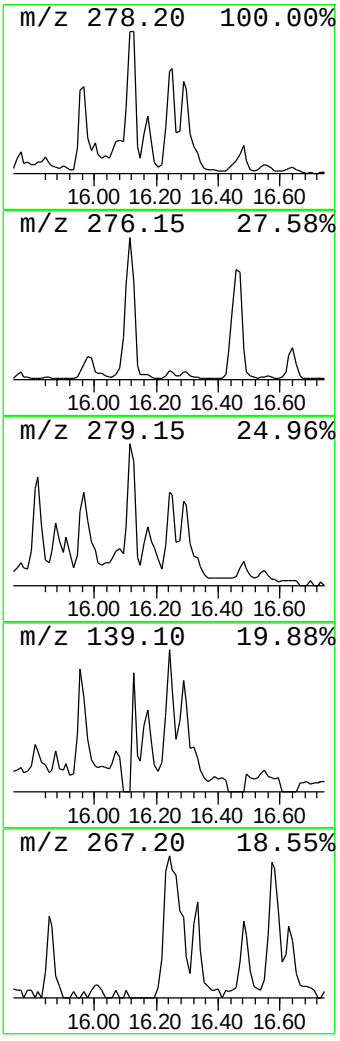
****

Peak Number 14 1,2:7,8-Dibenzophenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	4.39 ng	162552	Perylene-d12	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	96
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Pentaphene	278	C22H14	000222-93-5	96
5	Benzo[b]chrysene	278	C22H14	000214-17-5	95





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

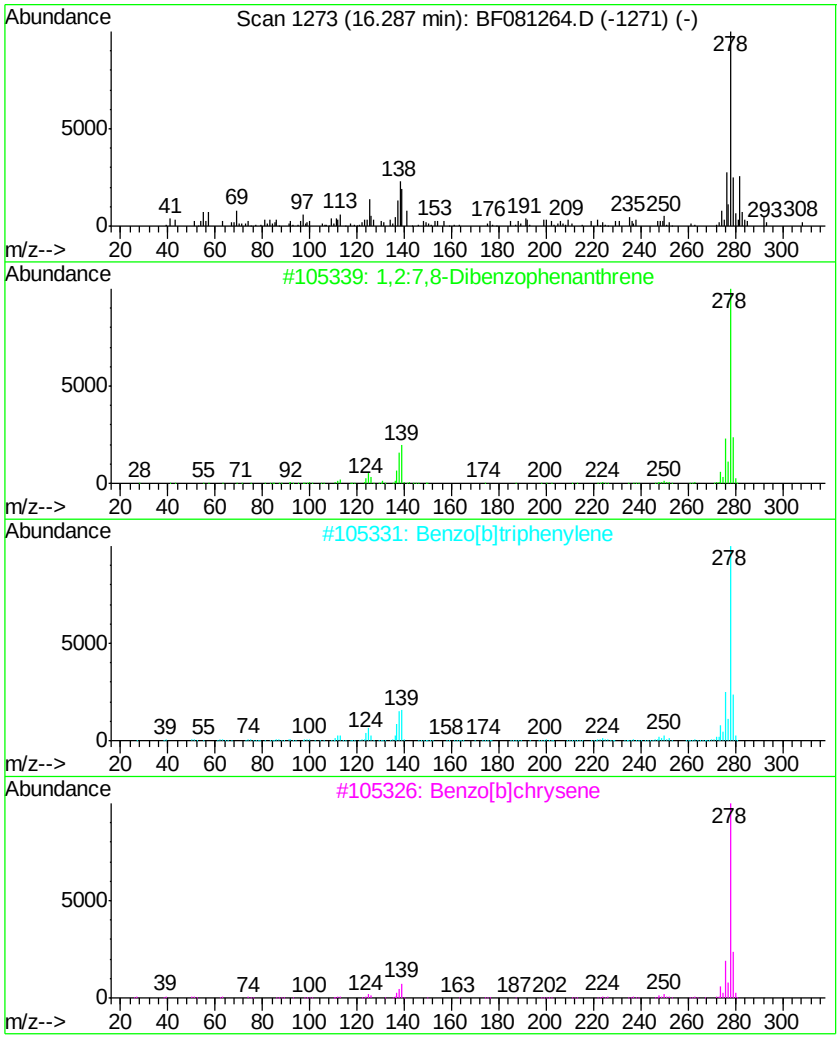
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

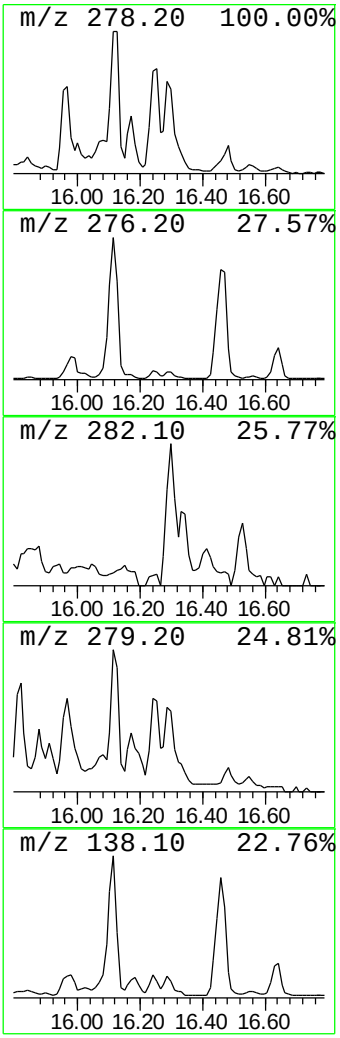
****

Peak Number 15 Benzo[b]chrysene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	3.47 ng	128654	Perylene-d12	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	95
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	86
3	Benzo[b]chrysene	278	C22H14	000214-17-5	83
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	83
5	Pentacene	278	C22H14	000135-48-8	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

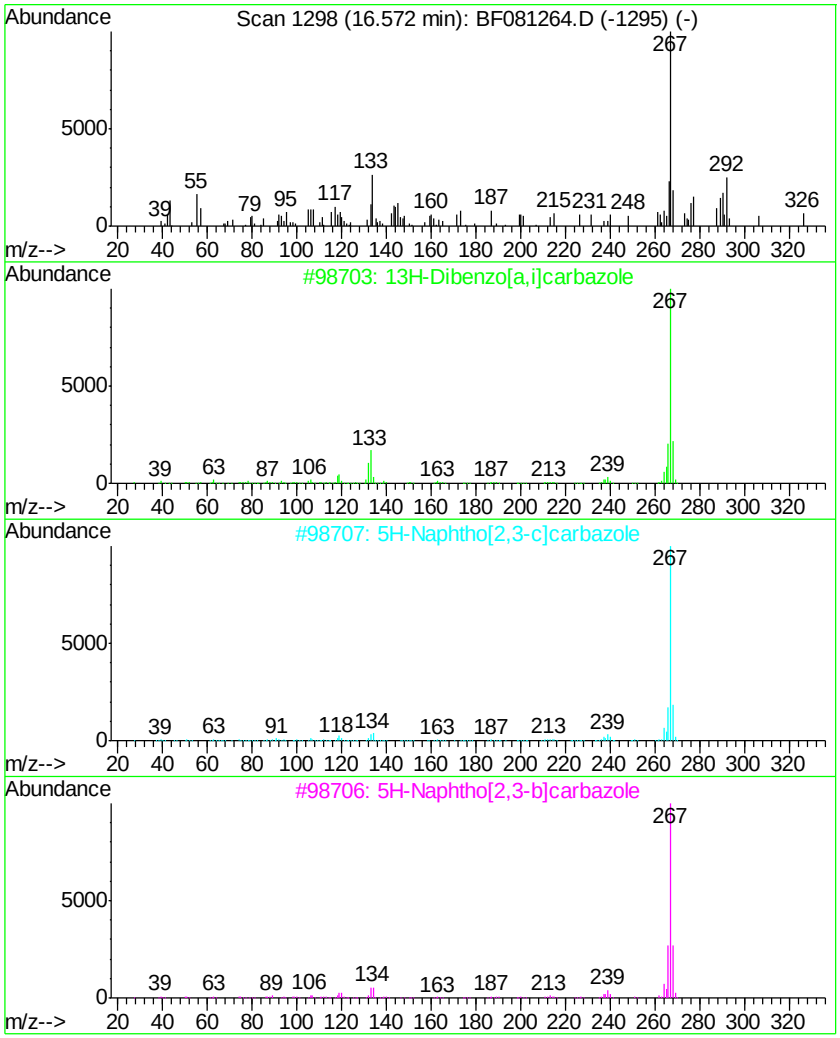
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

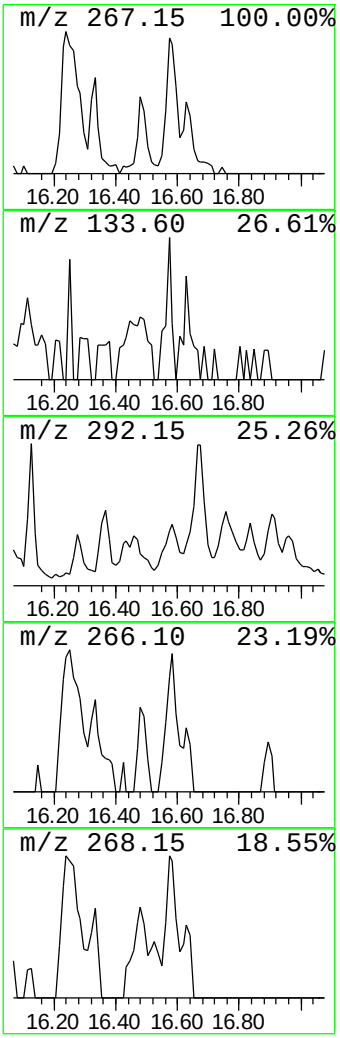
****

Peak Number 16 13H-Dibenzo[a,i]carbazole Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	3.03 ng	112460	Perylene-d12	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,i]carbazole	267	C20H13N	000239-64-5	58
2	5H-Naphtho[2,3-c]carbazole	267	C20H13N	000198-96-9	49
3	5H-Naphtho[2,3-b]carbazole	267	C20H13N	000248-96-4	46
4	2-Methyl-5-(3,4-methylenedioxyci...	267	C16H13NO3	094298-70-1	43
5	7H-Dibenzo[c,g]carbazole	267	C20H13N	000194-59-2	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

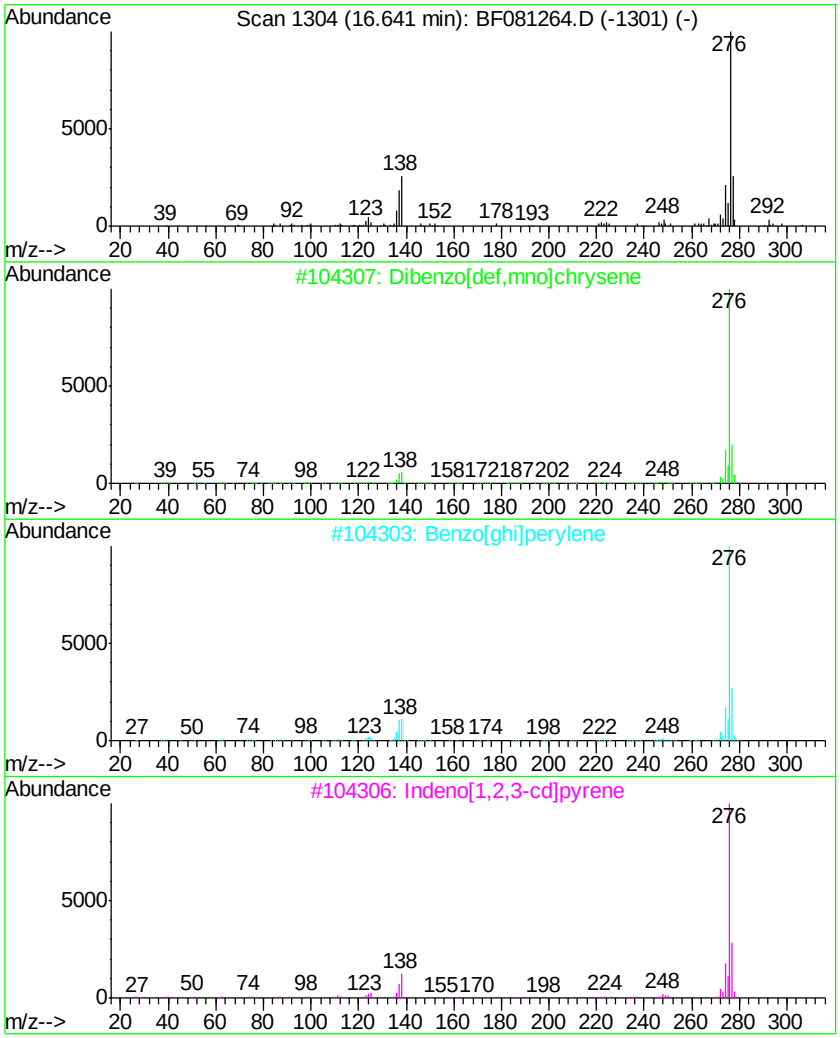
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

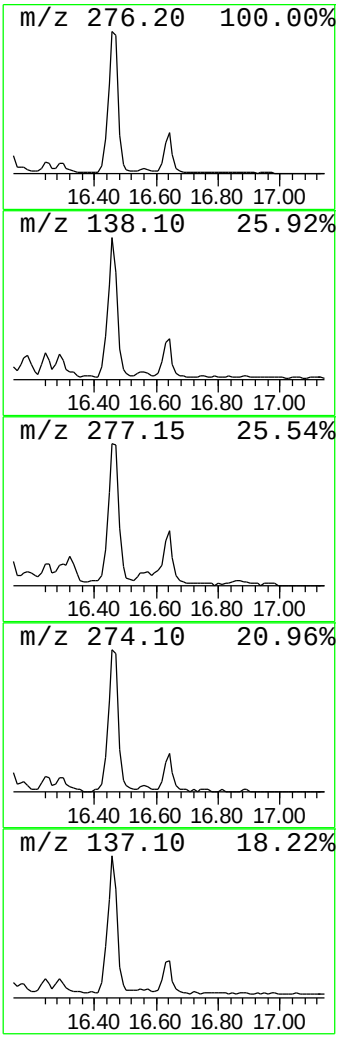
****

Peak Number 17 Dibenzo[def,mno]chrysene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	5.77 ng	214044	Perylene-d12	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	90
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	52





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

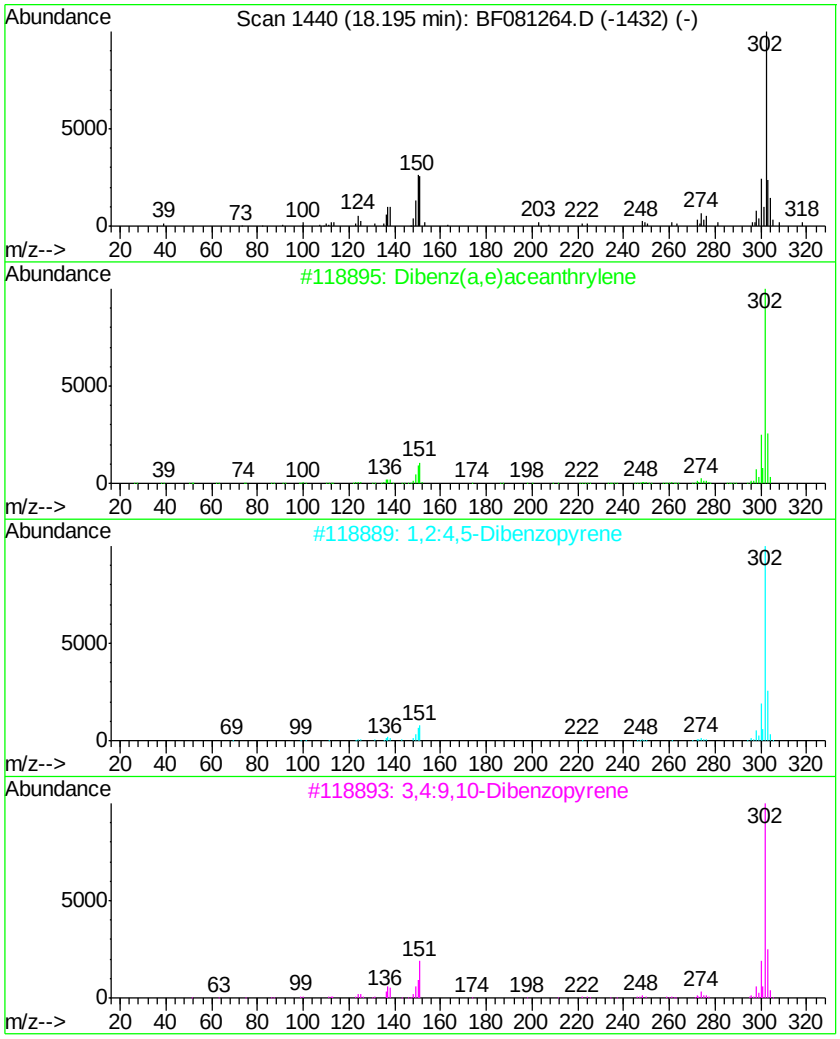
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

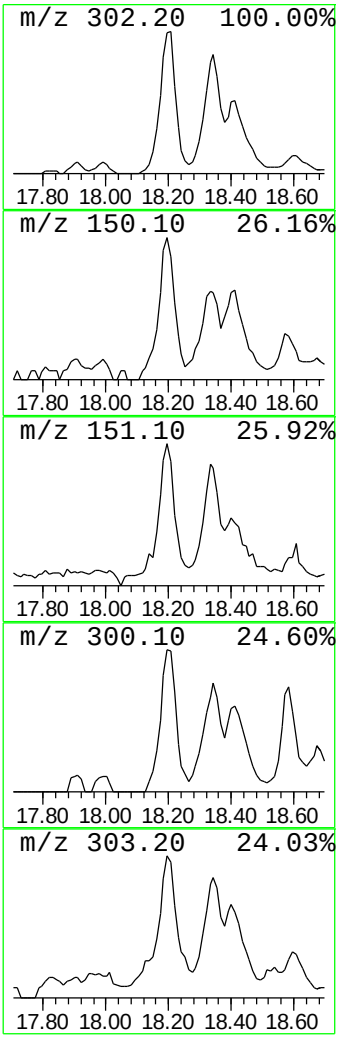
****

Peak Number 18 Dibenz(a,e)aceanthrylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	6.42 ng	238024	Perylene-d12	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
3	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	95
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	93
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	83





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

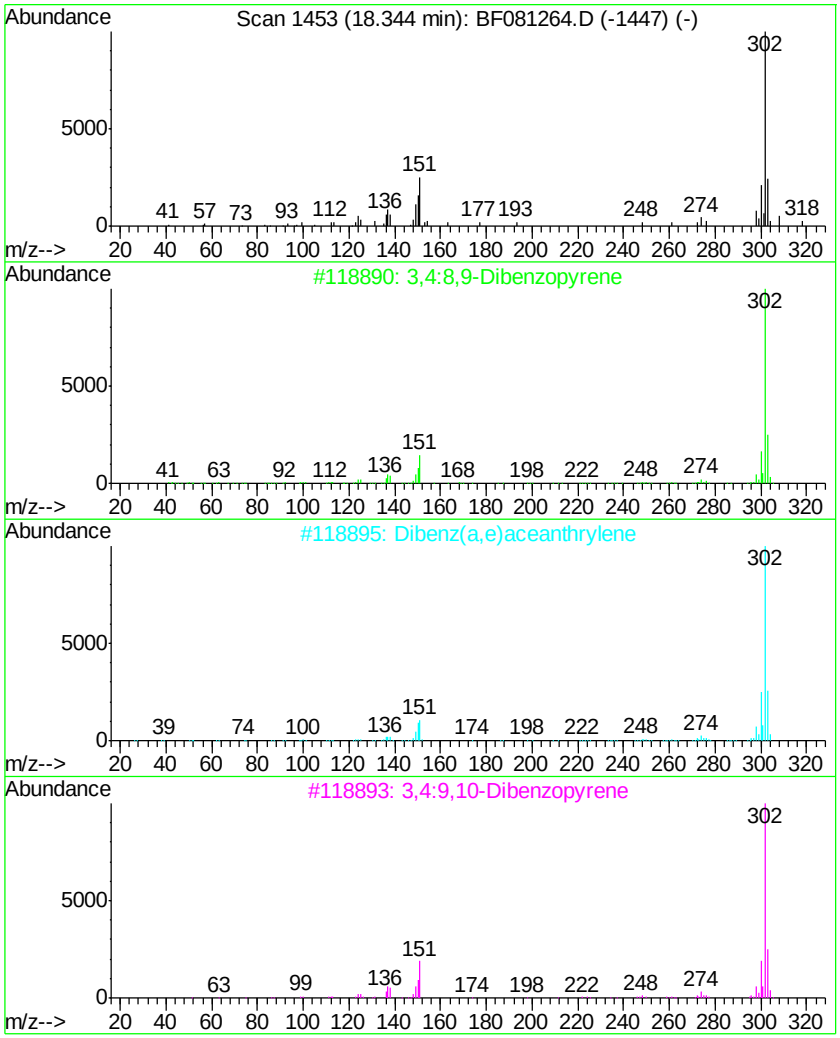
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

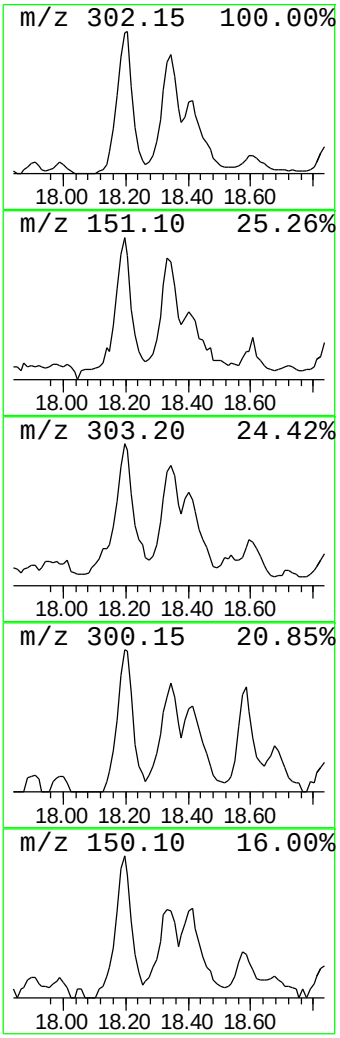
****

Peak Number 19 3,4:8,9-Dibenzopyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	4.24 ng	157152	Perylene-d12	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
3	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	93
4	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	90
5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	89





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

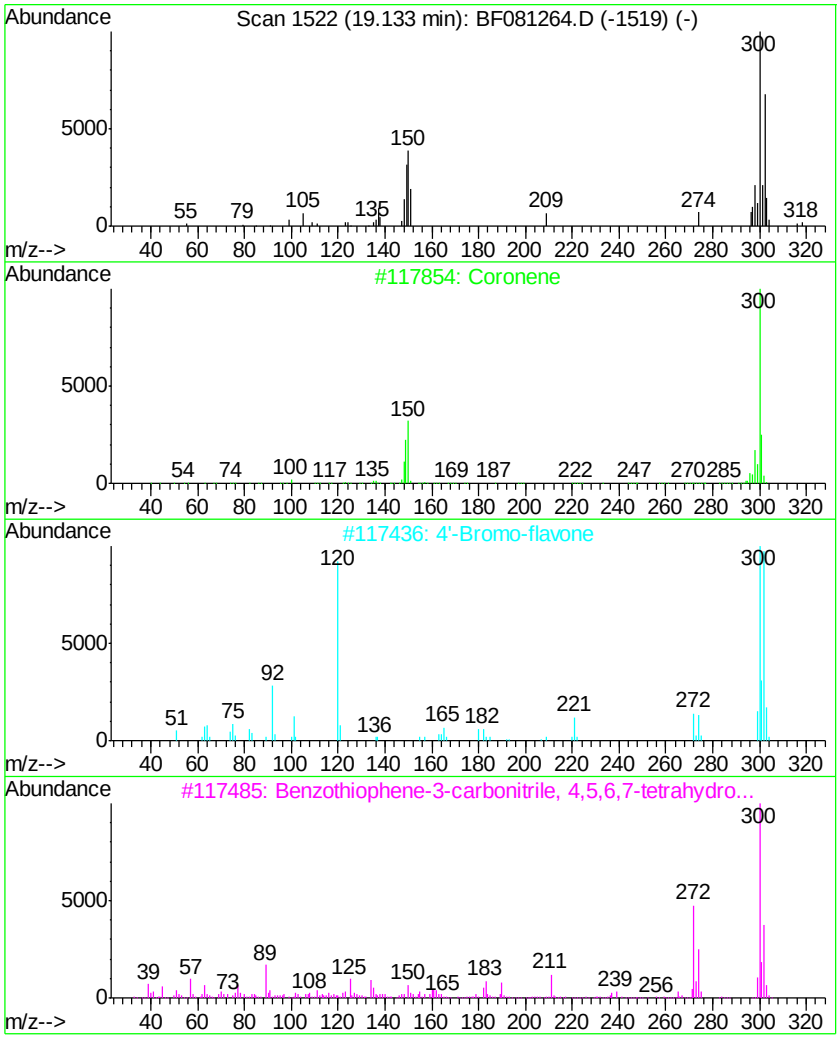
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

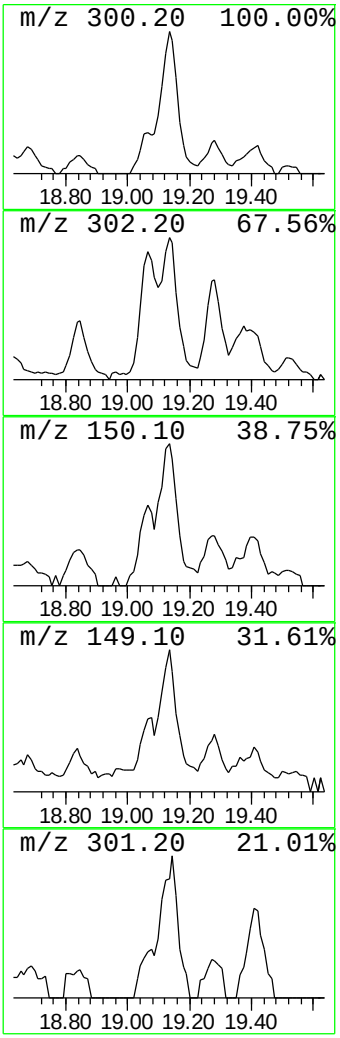
****

Peak Number 20 Coronene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	3.88 ng	143650	Perylene-d12	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Coronene	300	C24H12	000191-07-1	60
2	4'-Bromo-flavone	300	C15H9BrO2	020525-20-6	47
3	Benzothiophene-3-carbonitrile, 4...	300	C16H13ClN2S	069438-07-9	47
4	2-(3-Pyridyl)benzo[h]quinoline-4...	300	C19H12N2O2	303100-32-5	47
5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081264.D
Acq On : 28 Aug 2015 5:44
Operator : UM/IZ
Sample : G3430-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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...	4.61	89.3	ng	1446370	1	6.50	323970	20.0
unknown6.27	6.27	111.1	ng	1799520	1	6.50	323970	20.0
9,10-Anthracenedione	11.82	3.3	ng	429129	4	11.01	2614480	20.0
Pyrene, 2-methyl-	12.76	4.5	ng	464770	5	13.62	2048530	20.0
Dichloroacetic ac...	13.51	3.1	ng	314408	5	13.62	2048530	20.0
5,12-Naphthacened...	14.31	5.5	ng	204057	6	14.95	741356	20.0
unknown15.40	15.40	4.1	ng	152247	6	14.95	741356	20.0
Benzo[b]triphenylene	15.97	8.0	ng	297935	6	14.95	741356	20.0
1,2:7,8-Dibenzoph...	16.24	4.4	ng	162552	6	14.95	741356	20.0
Benzo[b]chrysene	16.29	3.5	ng	128654	6	14.95	741356	20.0
13H-Dibenzo[a,i]c...	16.57	3.0	ng	112460	6	14.95	741356	20.0
Dibenzo[def,mno]c...	16.64	5.8	ng	214044	6	14.95	741356	20.0
Dibenz(a,e)aceant...	18.20	6.4	ng	238024	6	14.95	741356	20.0
3,4:8,9-Dibenzopy...	18.34	4.2	ng	157152	6	14.95	741356	20.0
Coronene	19.13	3.9	ng	143650	6	14.95	741356	20.0