LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

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-BF090115.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	4.399	243	246	259	rVB	350786	627647	23.57%	1.789%
2	4.902	288	290	293	rBV	984458	1100129	41.32%	3.137%
3	6.033	386	389	391	rBV	1050846	1232480	46.29%	3.514%
4	6.125	395	397	399	rBV	1301249	1128590	42.39%	3.218%
5	6.353	415	417	420	rVB	382573	353648	13.28%	1.008%
6	6.513	428	431	433	rBV	1051043	903982	33.95%	2.577%
7	6.936	465	468	470	rBV	832279	791451	29.73%	2.256%
8	7.645	528	530	534	rBV2	511051	515709	19.37%	1.470%
9	8.456	594	601	603	rBV	54350	66267	2.49%	0.189%
10	8.730	623	625	627	rVB	1461408	1221317	45.87%	3.482%
11	8.833	632	634	636	rBV	87956	89662	3.37%	0.256%
12	8.982	645	647	649	rBV	58257	82292	3.09%	0.235%
13	9.050	652	653	655	rVV	79227	110163	4.14%	0.314%
14	9.096	655	657	659	rVV2	67187	102796	3.86%	0.293%
15	9.130	659	660	666	rVB2	203197	295544	11.10%	0.843%
16	9.245	668	670	672	rBV	162932	167283	6.28%	0.477%
17	9.359	678	680	681	rVV	117968	107921	4.05%	0.308%
18	9.382	681	682	684	rVV	359483	443084	16.64%	1.263%
19	9.416	684	685	688	rVV	216198	190084	7.14%	0.542%
20	9.588	698	700	702	rBV2	126929	156255	5.87%	0.445%
21	9.633	702	704	706	rVB	57688	58819	2.21%	0.168%
22	9.713	709	711	716	rBV2	54140	122141	4.59%	0.348%
23	9.793	716	718	721	rBV2	55582	106097	3.98%	0.302%
24	9.851	721	723	725	rVV	95579	96726	3.63%	0.276%
25	9.931	728	730	731	rBV	240090	205326	7.71%	0.585%
26	10.011	731	737	738	rVV3	31441	86268	3.24%	0.246%
27	10.091	738	744	748	rVB3	76510	179143	6.73%	0.511%
28	10.171	748	751	753	rBV	726697	706964	26.55%	2.016%
29	10.331	760	765	767	rVB2	113950	235589	8.85%	0.672%
30	10.468	775	777	779	rVV2	44715	73421	2.76%	0.209%
31	10.605	788	789	792	rVV3	55446	93028	3.49%	0.265%
32	10.662	792	794	797	rVB	80192	98950	3.72%	0.282%
33	10.765	800	803	805	rVV2	119916	203731	7.65%	0.581%
34	10.856	808	811	812	rBV	396609	546335	20.52%	1.558%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.879	812	813	815	rVV	1463042	1347215	50.60%	3.841%
36	10.925	815	817	819	rVV	381783	438390	16.47%	1.250%
37	11.096	828	832	833	rBV2	119082	172730	6.49%	0.492%
38	11.188	838	840	843	rVB	119651	119536	4.49%	0.341%
39	11.348	852	854	856	rBV	154661	243694	9.15%	0.695%
40	11.382	856	857	859	rVV	279075	210147	7.89%	0.599%
41	11.428	859	861	862	rVV	237679	261228	9.81%	0.745%
42	11.462	862	864	868	rVV2	326394	496192	18.64%	1.415%
43	11.599	874	876	879	rVV3	53001	72655	2.73%	0.207%
44	11.645	879	880	881	rVV	113264	127105	4.77%	0.362%
45	11.679	881	883	885	rVB	105599	141889	5.33%	0.405%
46	11.828	895	896	899	rVB	50813	62876	2.36%	0.179%
47	11.897	900	902	904	rBV	99118	132895	4.99%	0.379%
48	11.931	904	905	908	rVB3	70253	105199	3.95%	0.300%
49	11.988	908	910	913	rVB2	132420	187772	7.05%	0.535%
50	12.068	913	917	919	rBV	1884947	2662553	100.00%	7.591%
51	12.114	919	921	922	rBV	75850	87185	3.27%	0.249%
52	12.148	922	924	926	rVB	64012	85447	3.21%	0.244%
53	12.194	926	928	932	rBV2	133377	244818	9.19%	0.698%
54	12.285	932	936	938	rBV2	1780481	2346815	88.14%	6.691%
55	12.331	938	940	943	rVB2	91402	160813	6.04%	0.458%
56	12.399	943	946	947	rBV	148034	140592	5.28%	0.401%
57	12.434	947	949	952	rVB	791289	884624	33.22%	2.522%
58	12.502	952	955	956	rBV2	128006	196074	7.36%	0.559%
59	12.605	959	964	966	rVB	277070	444784	16.71%	1.268%
60	12.674	966	970	971	rBV	246930	274548	10.31%	0.783%
61	12.708	971	973	974	rBV	225220	230171	8.64%	0.656%
62	12.799	979	981	982	rVB	69635	81731	3.07%	0.233%
63	12.822	982	983	989	rBV2	97057	139004	5.22%	0.396%
64	12.925	990	992	995	rVB3	43585	60094	2.26%	0.171%
65	13.005	995	999	1000	rBV4	64623	135617	5.09%	0.387%
66	13.108	1005	1008	1011	rBV	194180	238257	8.95%	0.679%
67	13.211	1015	1017	1019	rBV	187223	252355	9.48%	0.719%
68	13.245	1019	1020	1021	rVV	157973	177630	6.67%	0.506%
69	13.314	1025	1026	1028	rVB	132418	162046	6.09%	0.462%
70	13.371	1028	1031	1035	rBV3	118573	235958	8.86%	0.673%
71	13.462	1035	1039	1041	rBV2	1078726	1910191	71.74%	5.446%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.497	1041	1042	1045	rVB	981928	851426	31.98%	2.427%
73	13.565	1045	1048	1050	rBV	192688	205392	7.71%	0.586%
74	13.611	1050	1052	1053	rVV2	66598	76401	2.87%	0.218%
75	13.668	1055	1057	1058	rVV2	89615	142680	5.36%	0.407%
76	13.702	1058	1060	1061	rVV	75172	99858	3.75%	0.285%
77	13.817	1068	1070	1071	rBV2	78836	96342	3.62%	0.275%
78	13.851	1071	1073	1075	rVV	196859	231285	8.69%	0.659%
79	13.885	1075	1076	1078	rVV	89449	79055	2.97%	0.225%
80	13.942	1078	1081	1082	rVV2	101274	116289	4.37%	0.332%
81	13.988	1082	1085	1089	rVB5	118190	253005	9.50%	0.721%
82	14.160	1097	1100	1105	rBV4	71448	189782	7.13%	0.541%
83	14.320	1111	1114	1117	rVB2	61544	107022	4.02%	0.305%
84	14.457	1123	1126	1130	rBV	804881	1597024	59.98%	4.553%
85	14.537	1132	1133	1135	rBV	160197	115779	4.35%	0.330%
86	14.628	1138	1141	1144	rBV3	57001	158285	5.94%	0.451%
87	14.685	1144	1146	1148	rBV	416312	468777	17.61%	1.337%
88	14.742	1148	1151	1153	rVB	571774	723396	27.17%	2.062%
89	14.777	1153	1154	1155	rBV	162974	183273	6.88%	0.523%
90	15.165	1184	1188	1189	rBV2	42251	79385	2.98%	0.226%
91	15.725	1234	1237	1240	rBV3	45912	126218	4.74%	0.360%
92	15.863	1245	1249	1252	rBV	257409	418205	15.71%	1.192%
93	15.988	1257	1260	1261	rBV	45198	76257	2.86%	0.217%
94	16.023	1261	1263	1265	rVB2	49579	59409	2.23%	0.169%
95	16.183	1273	1277	1282	rVB	191386	343894	12.92%	0.980%
96	16.343	1289	1291	1296	rVB2	58571	132109	4.96%	0.377%
97	17.006	1347	1349	1358	rVB6	20004	68905	2.59%	0.196%
98	17.794	1413	1418	1423	rVB	41896	124032	4.66%	0.354%
99	17.920	1425	1429	1432	rBV	29709	82382	3.09%	0.235%
100	18.651	1490	1493	1501	rVV2	29393	98855	3.71%	0.282%

Sum of corrected areas: 35074394

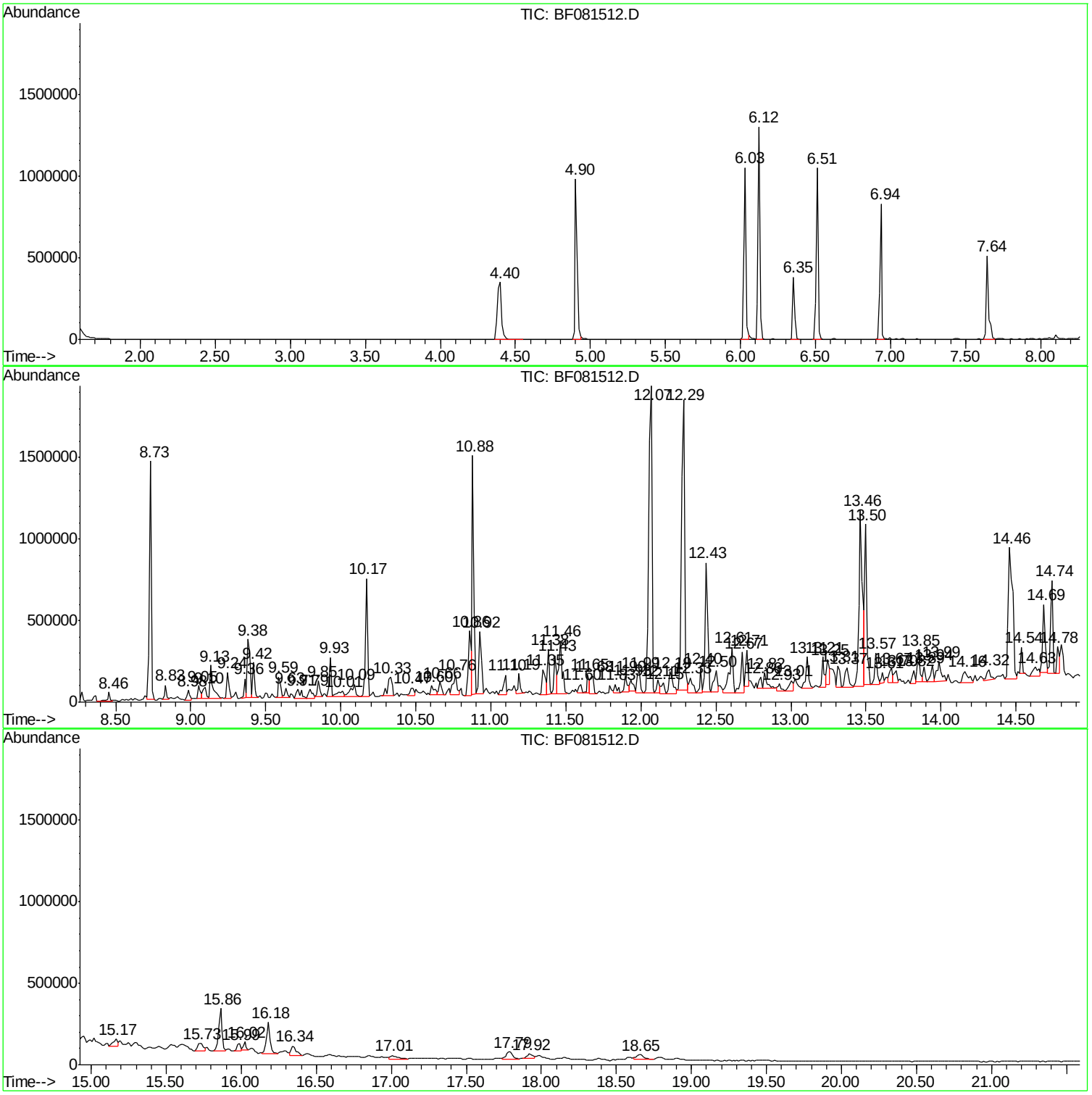
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

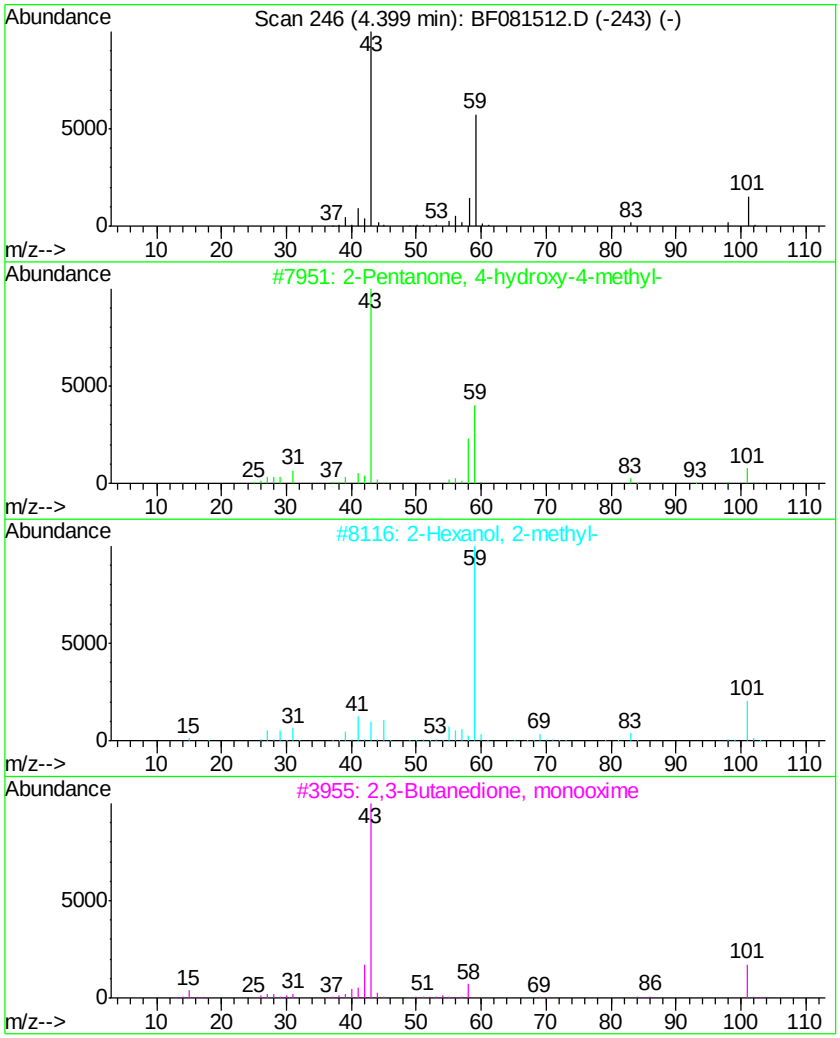
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

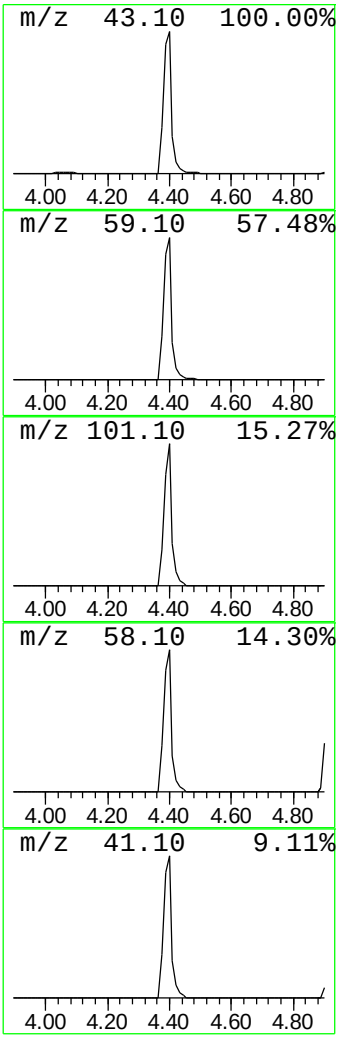
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	35.50 ng	627647	1,4-Dichlorobenzene-d4	6.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Propanoic acid, 2-nitro-, methyl...	133	C4H7NO4	006118-50-9	9
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

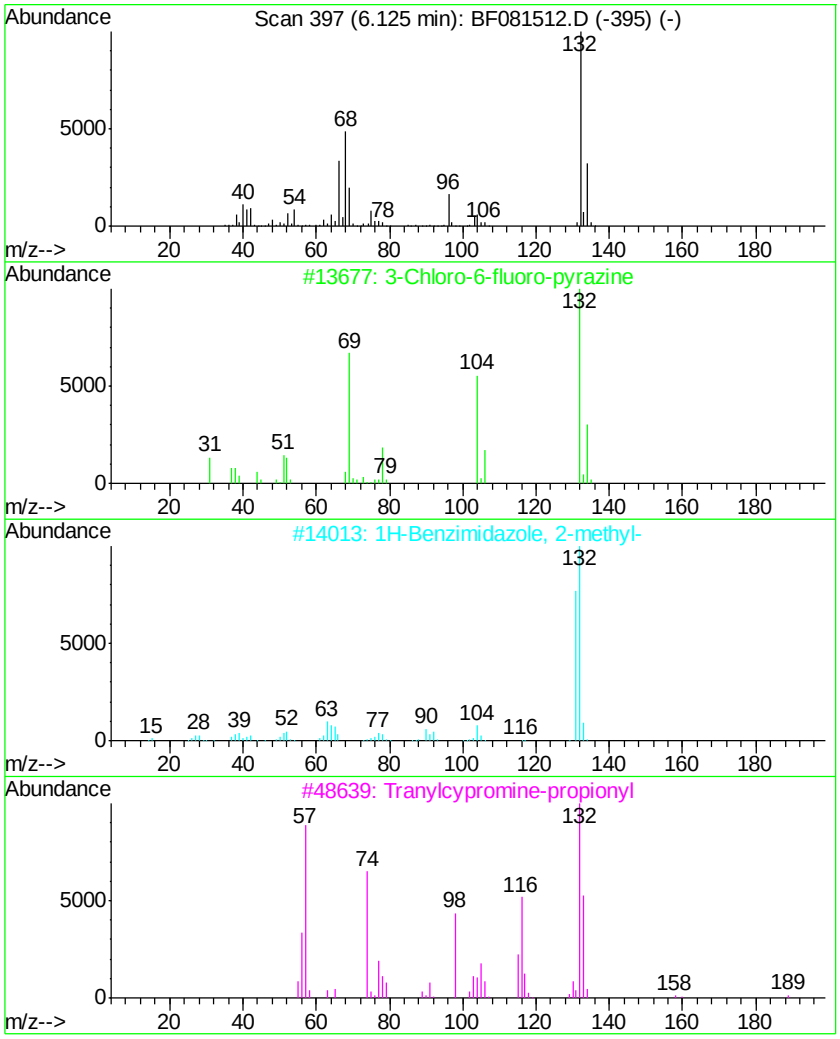
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

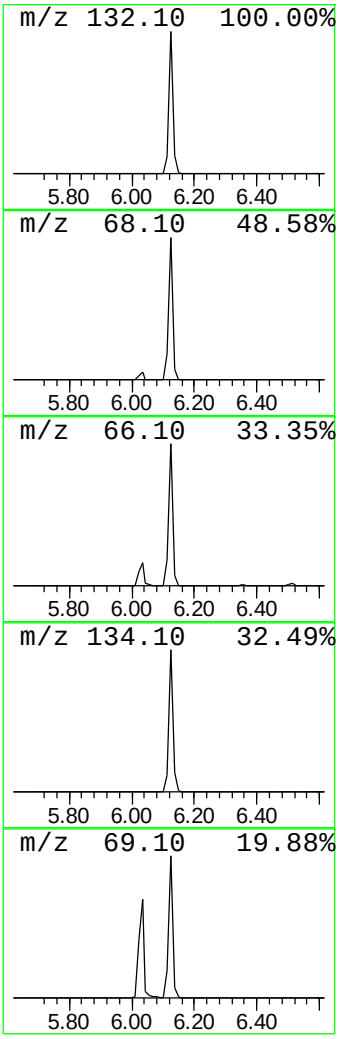
****

Peak Number 2 unknown6.12 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	63.83 ng	1128590	1,4-Dichlorobenzene-d4	6.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	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\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

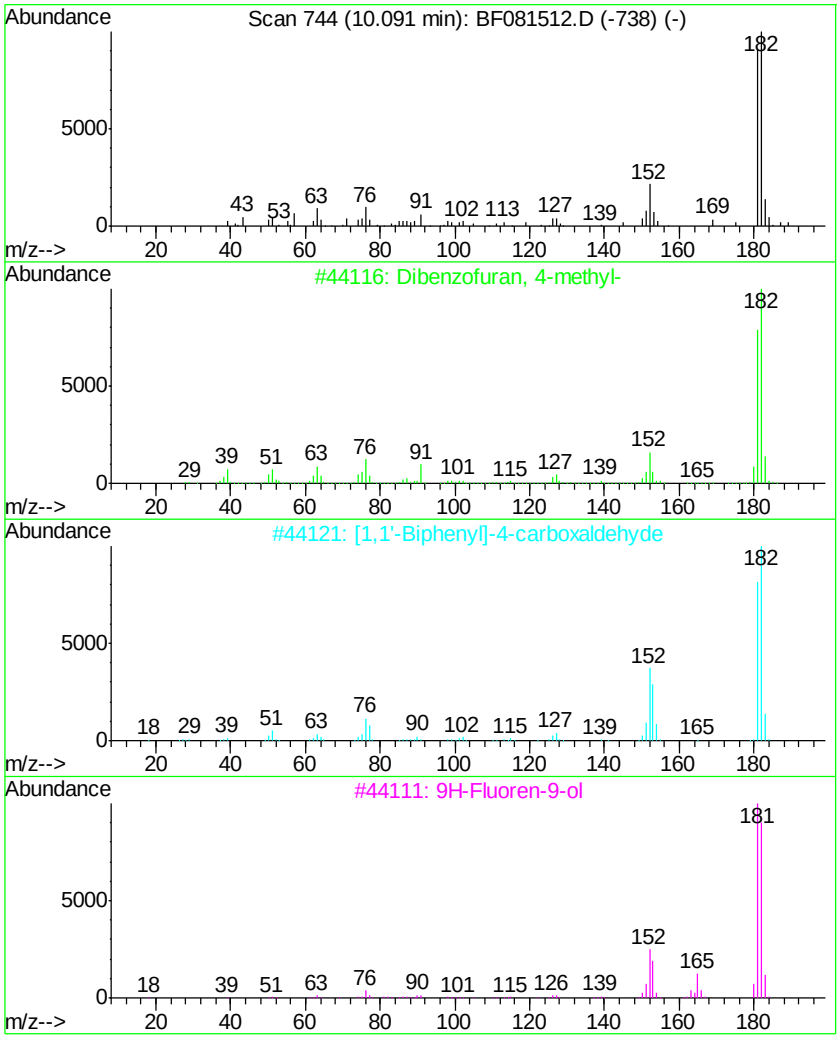
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

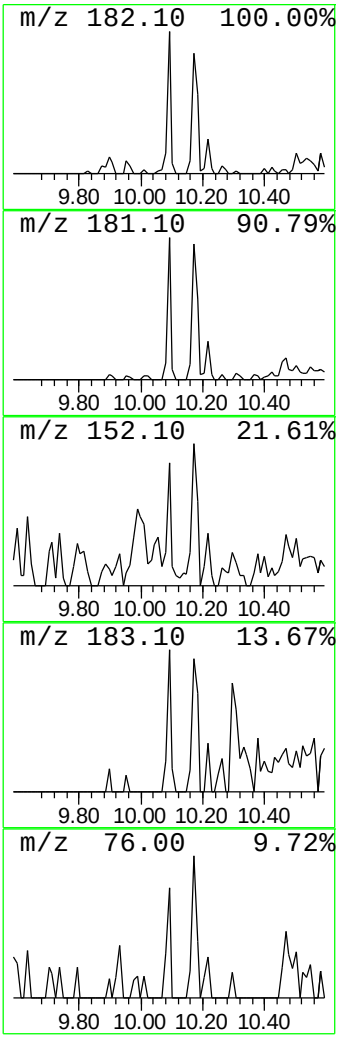
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	8.09 ng	179143	Acenaphthene-d10	9.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80
5	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

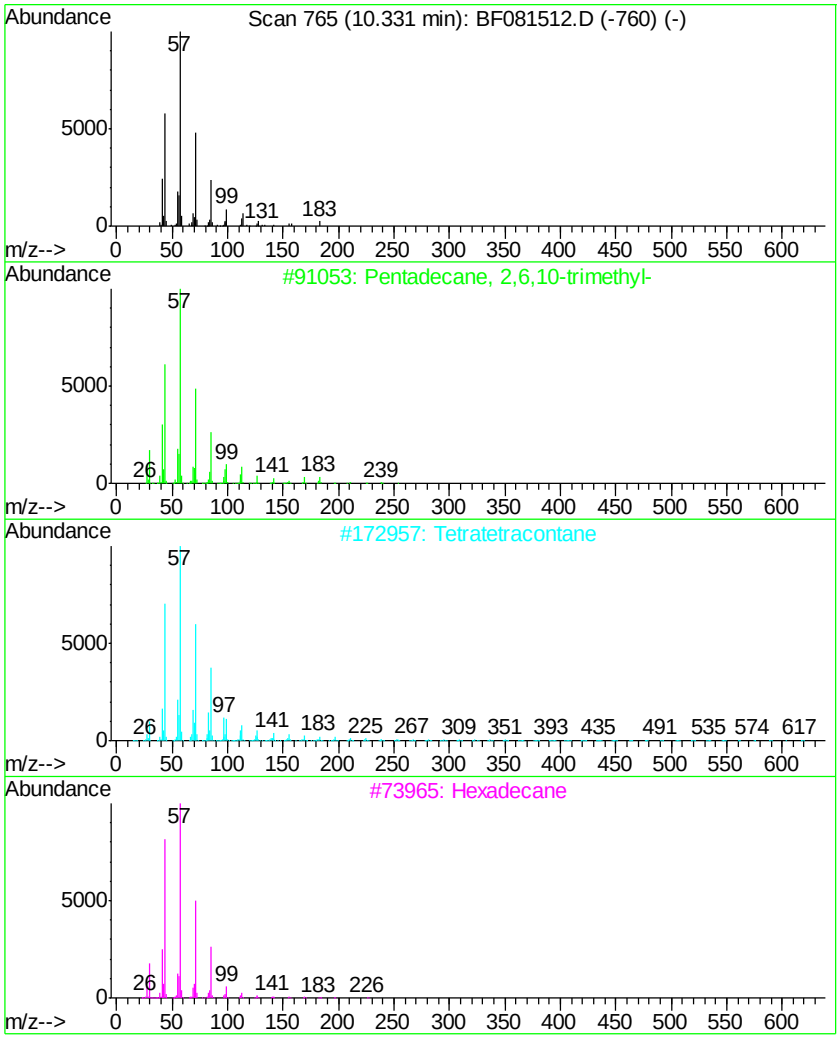
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

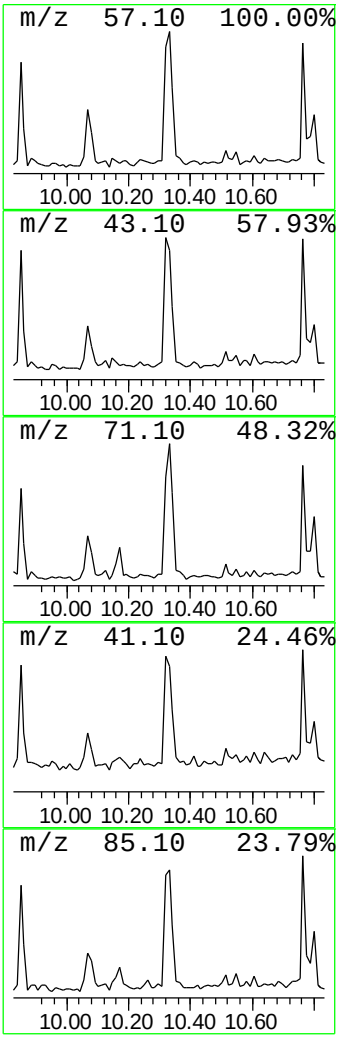
****

Peak Number 5 Pentadecane, 2,6,10-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	8.62 ng	235589	Phenanthrene-d10	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	78
2	Tetratetracontane	619	C44H90	007098-22-8	78
3	Hexadecane	226	C16H34	000544-76-3	72
4	Heptacosane	380	C27H56	000593-49-7	72
5	Decane, 5-propyl-	184	C13H28	017312-62-8	72





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

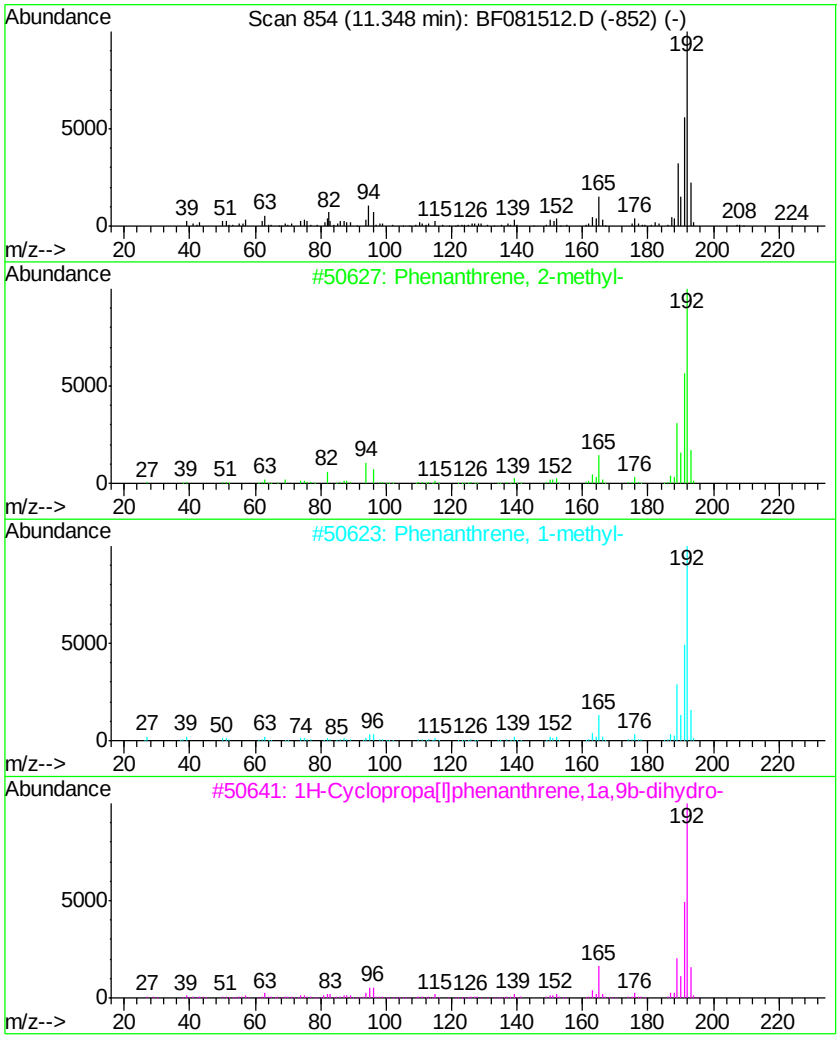
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

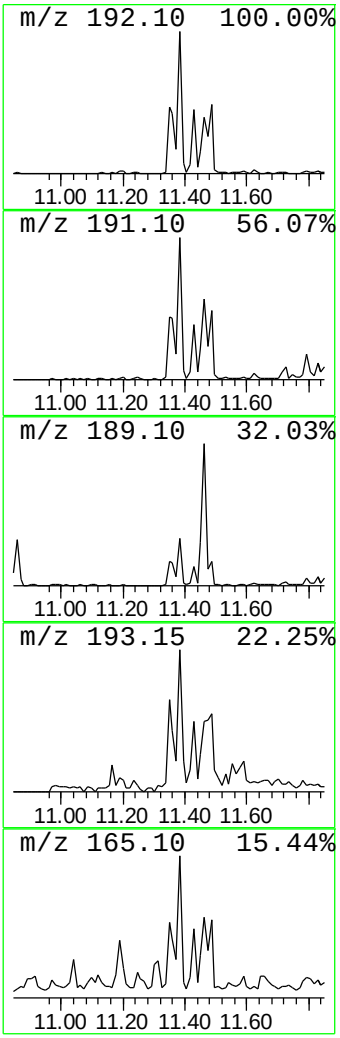
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	8.92 ng	243694	Phenanthrene-d10	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

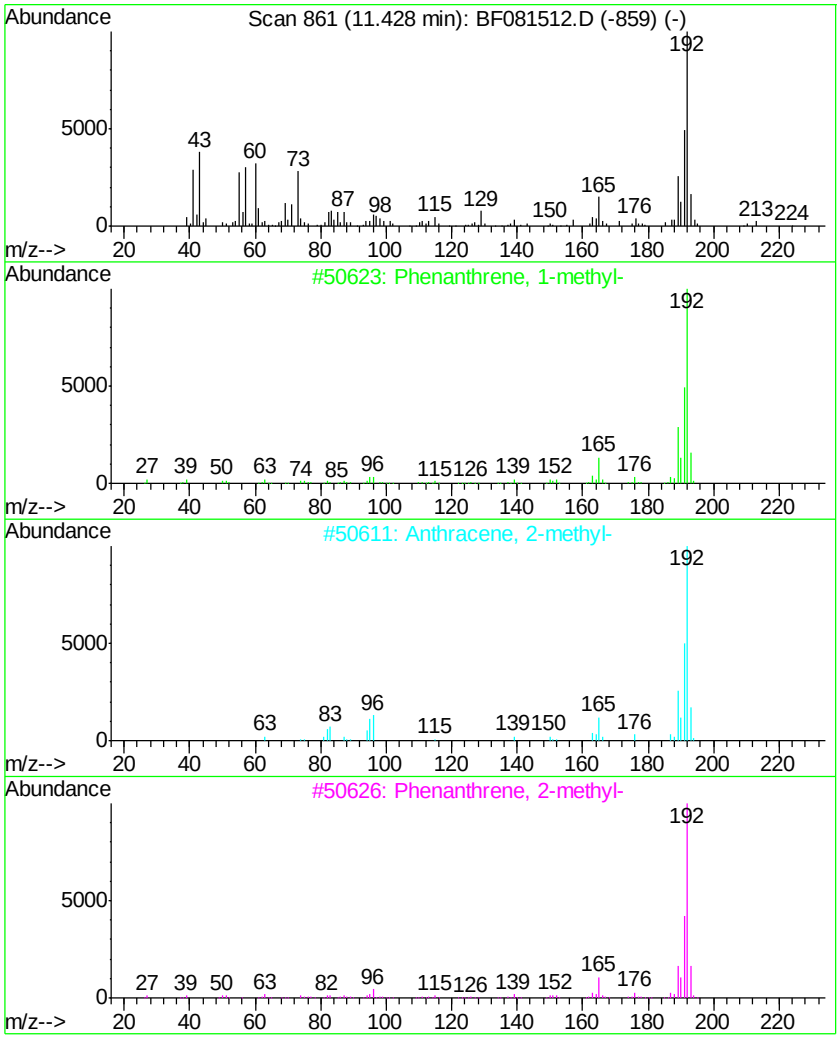
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

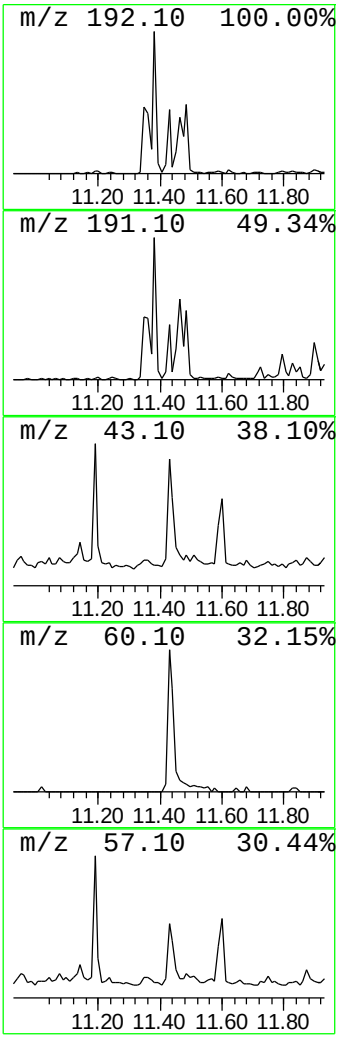
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	9.56 ng	261228	Phenanthrene-d10	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

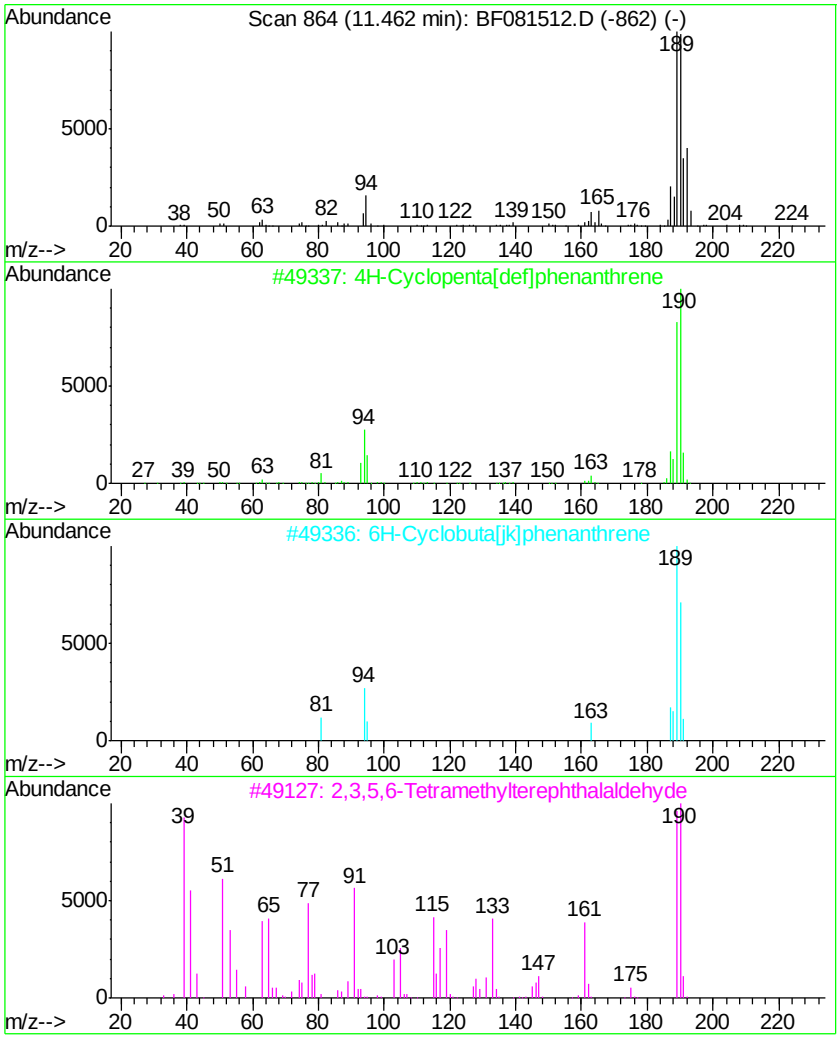
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

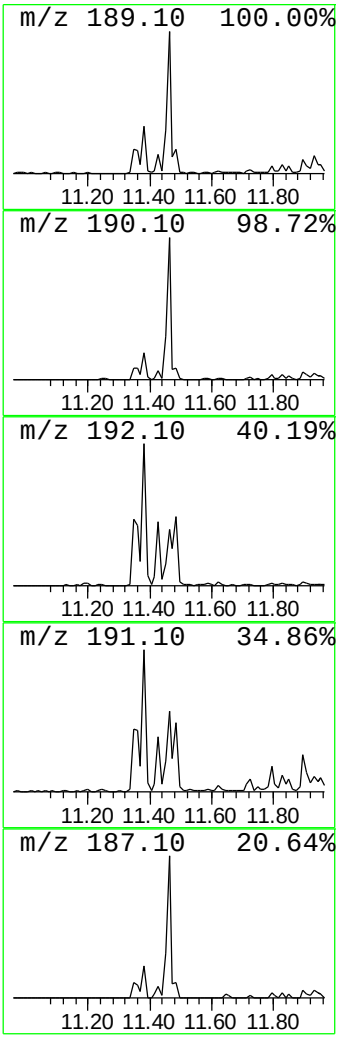
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	18.16 ng	496192	Phenanthrene-d10	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	4-Cyano-4-hydroxy-3-methyl-2-phe...	216	C13H16N2O	1000216-11-7	14
5	Hydrazinecarboxaldehyde, 2-[3-(m...	190	C4H6N4OS2	038362-25-3	14





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

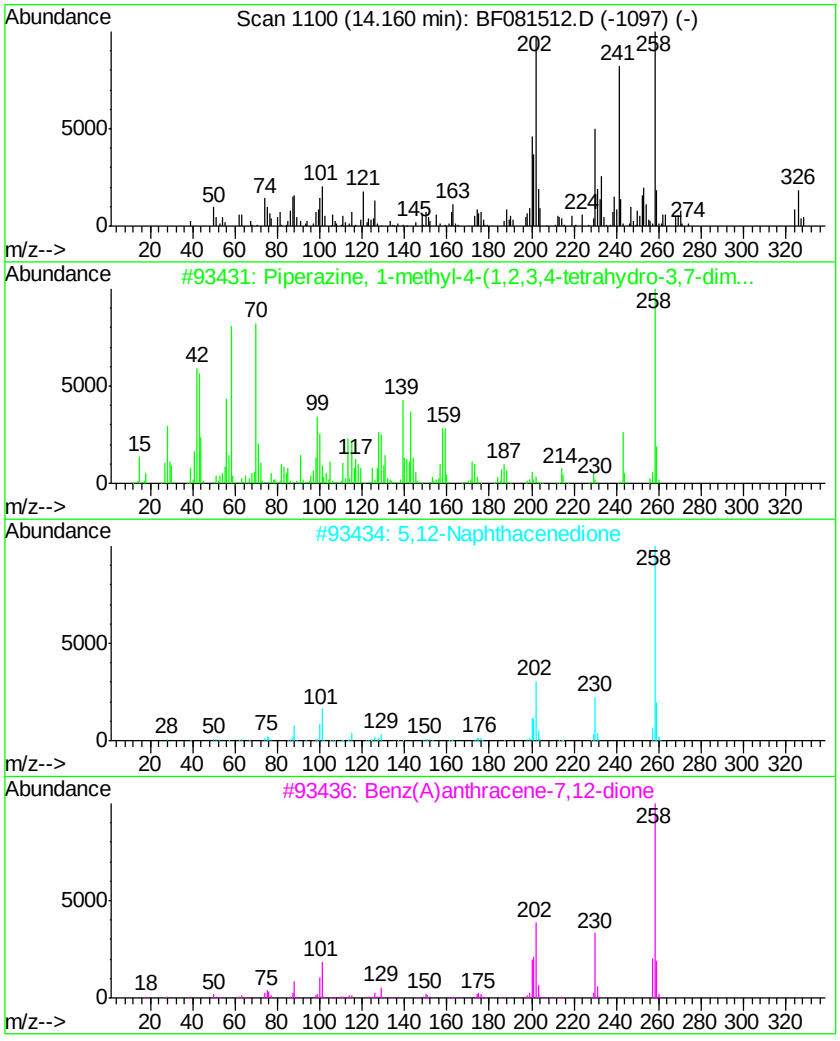
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

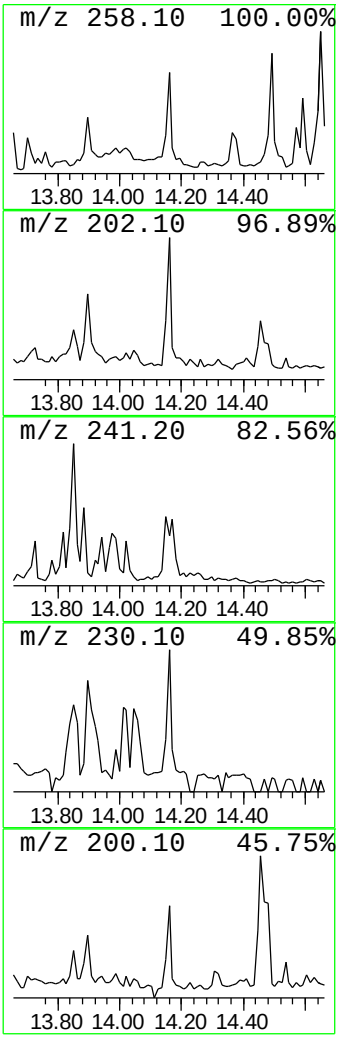
****

Peak Number 9 Piperazine, 1-methyl-4-(1,2... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	20.71 ng	189782	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	78
3	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	64
4	1,4-Chrysenequinone	258	C18H10O2	100900-16-1	38
5	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

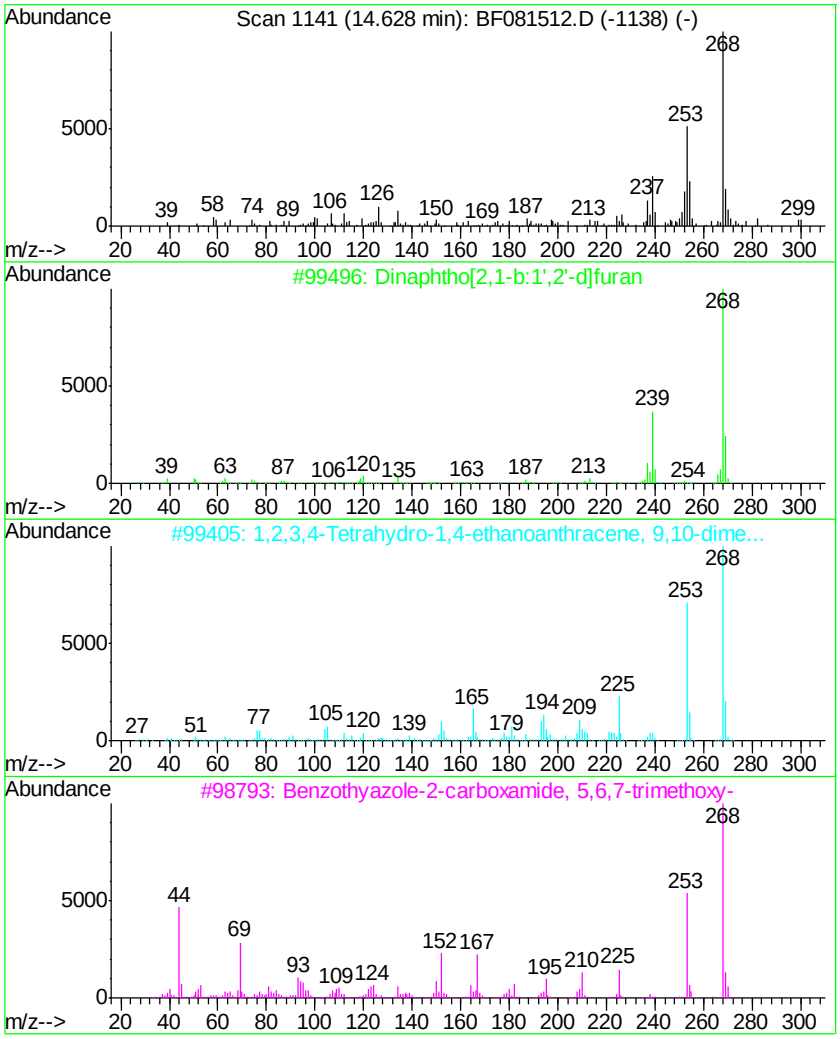
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

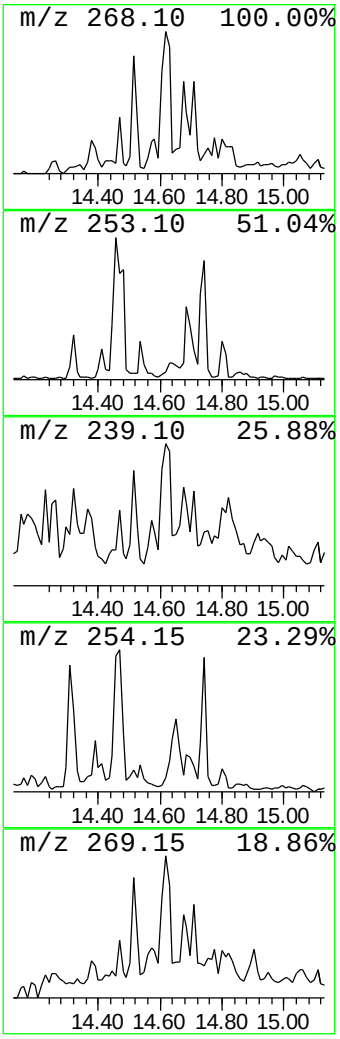
****

Peak Number 12 Dinaphtho[2,1-b:1',2'-d]furan Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	17.27 ng	158285	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	55
2	1,2,3,4-Tetrahydro-1,4-ethanoant...	268	C18H20O2	177205-54-8	53
3	Benzothyazole-2-carboxamide, 5,6...	268	C11H12N2O4S	328961-30-4	52
4	(-)-2-Methylcholanthrene	268	C21H16	1000126-56-2	50
5	3,4-Epoxy-4a-ethyl-2,3,4,4a,5,6-...	268	C17H20N2O	080249-75-8	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

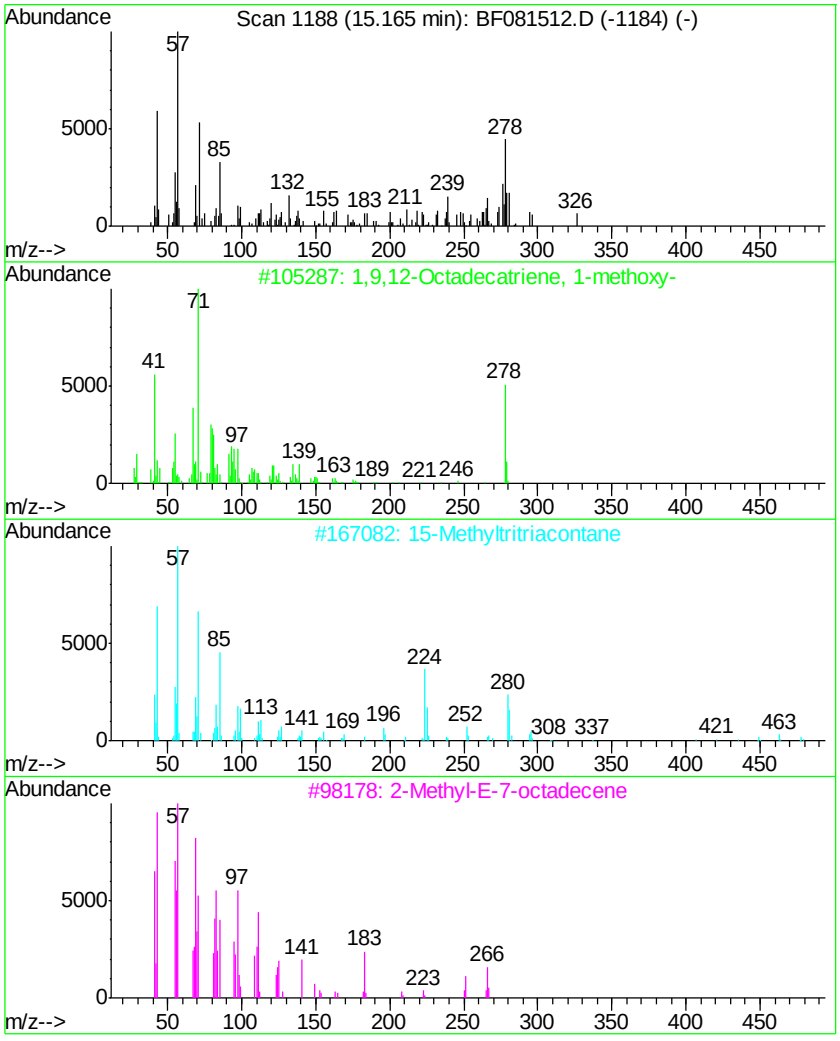
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

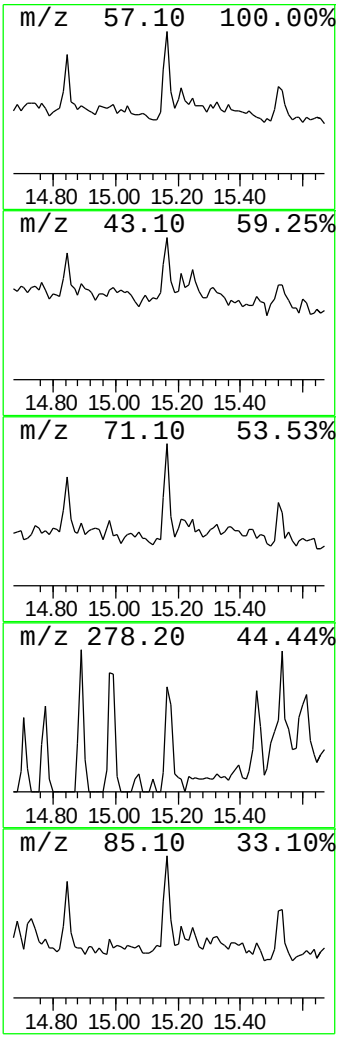
****

Peak Number 14 unknown15.17 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	8.66 ng	79385	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,9,12-Octadecatriene, 1-methoxy-	278	C19H34O	056554-59-7	32
2	15-Methyltritriacontane	479	C34H70	1000131-20-3	27
3	2-Methyl-E-7-octadecene	266	C19H38	1000130-92-3	16
4	1-Heptadecanamine	255	C17H37N	004200-95-7	14
5	Nonadecane, 4-methyl-	282	C20H42	025117-27-5	14





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

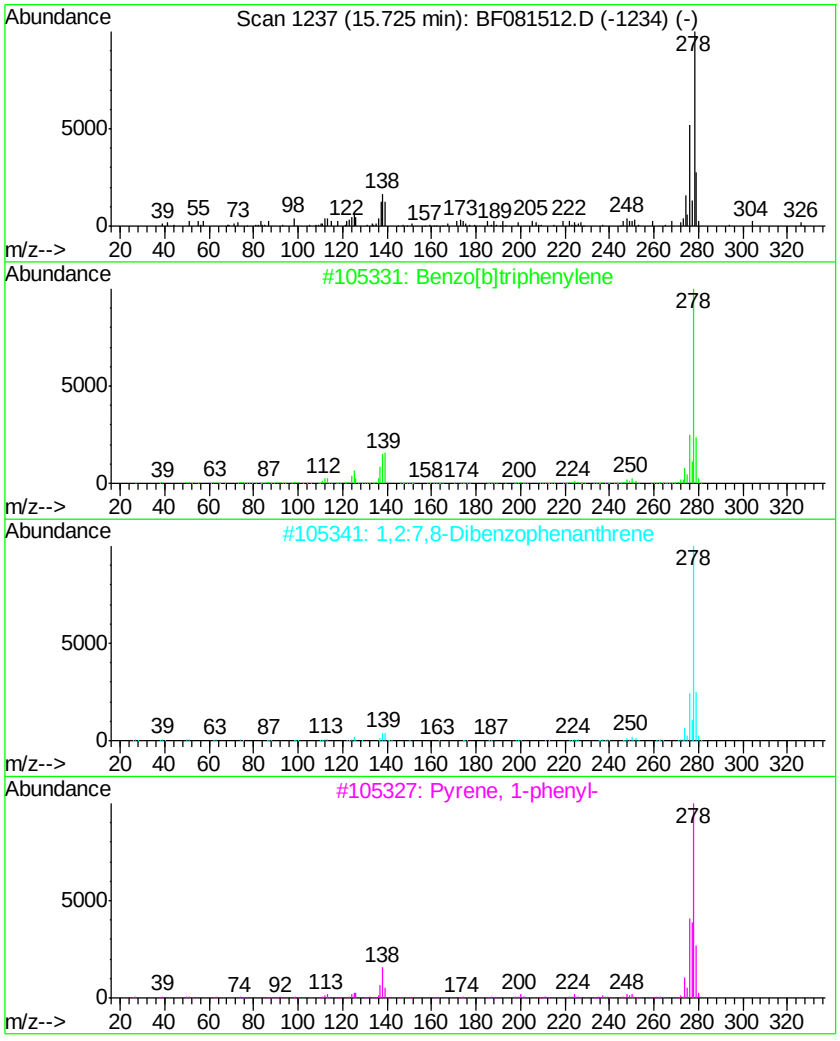
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

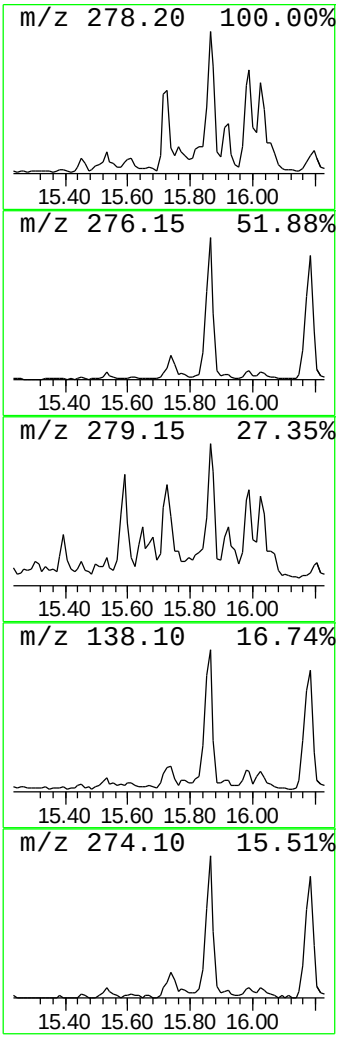
****

Peak Number 15 Benzo[b]triphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	13.77 ng	126218	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	64
3	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	60
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	60
5	Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	58





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

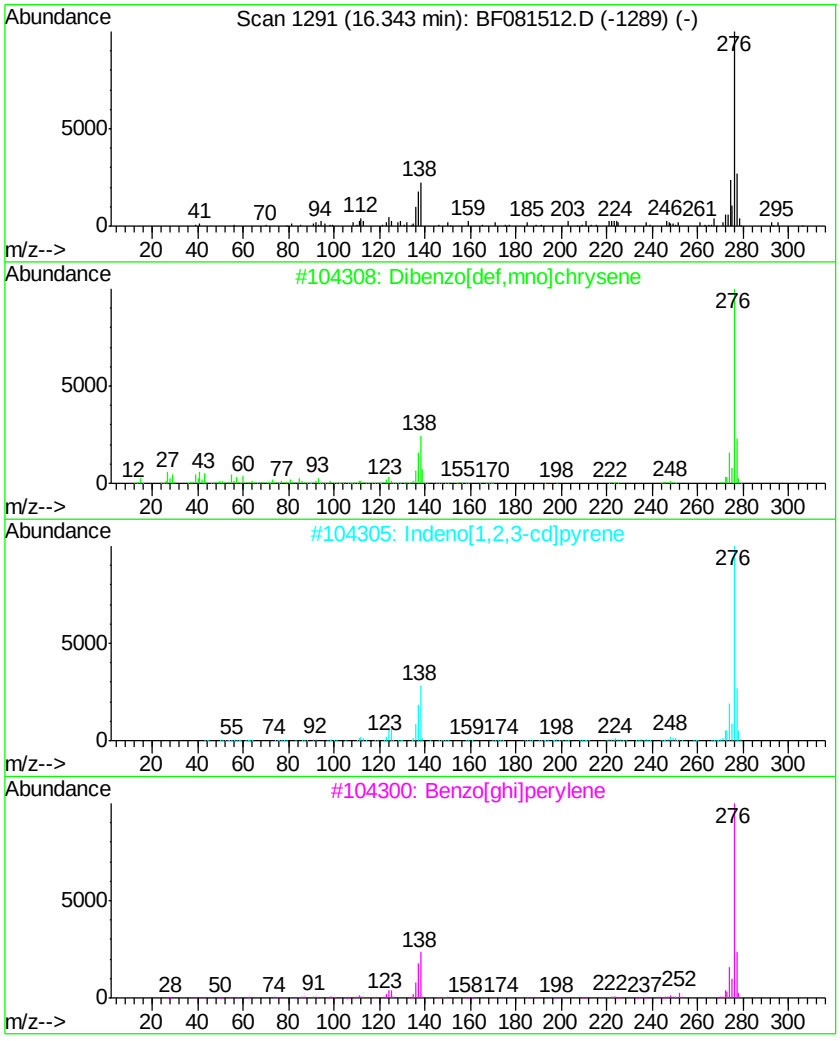
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

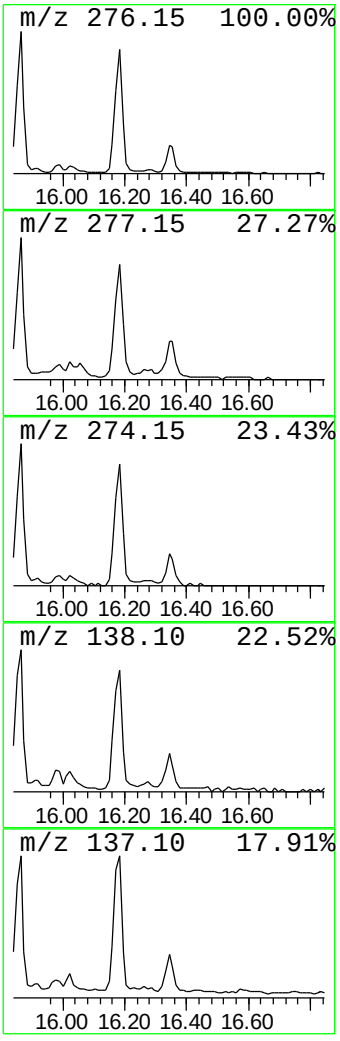
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	14.42 ng	132109	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	94
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
5	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	46





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

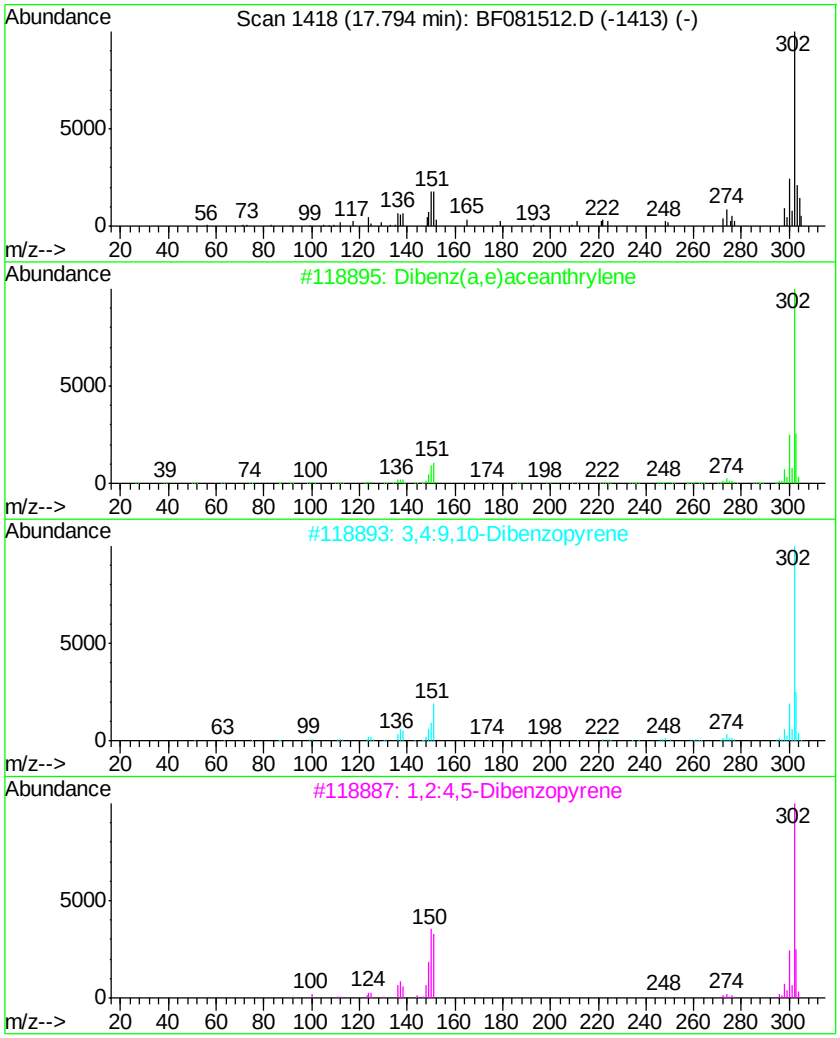
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

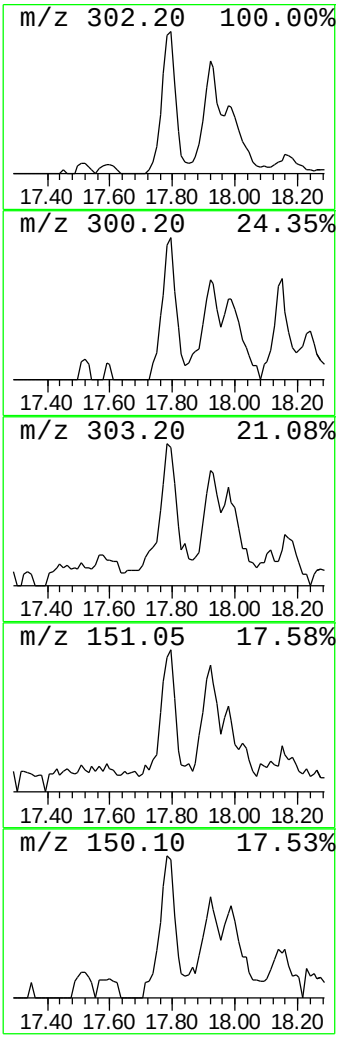
****

Peak Number 18 Dibenz(a,e)aceanthrylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	13.54 ng	124032	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	76
2	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	70
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	58
4	2,4-Quinazolinediamine, 6-((4-ch...	302	C14H11ClN4S	051124-29-9	53
5	Morin	302	C15H10O7	000480-16-0	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

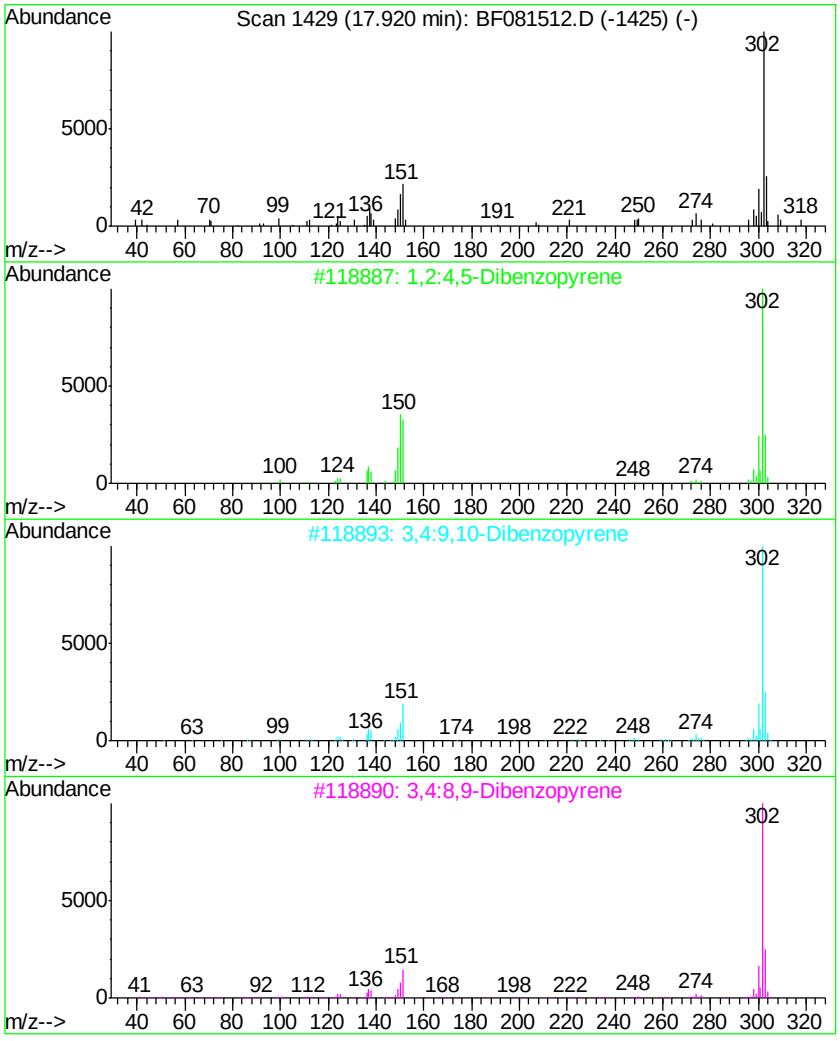
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

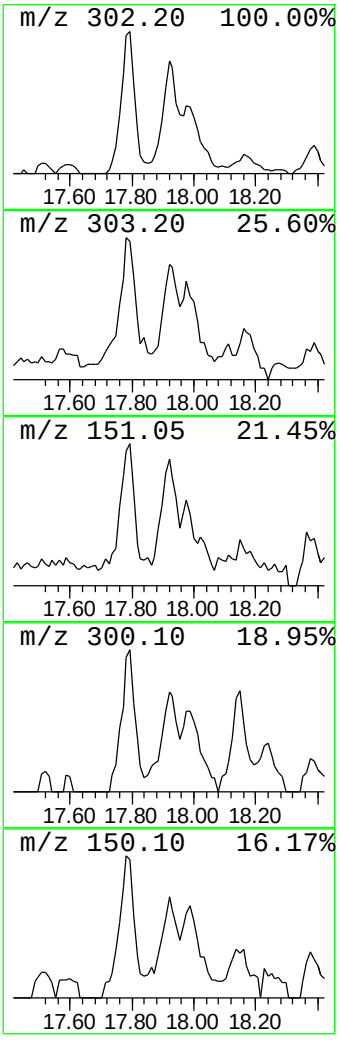
****

Peak Number 19 1,2:4,5-Dibenzopyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	8.99 ng	82382	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
2	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	90
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	81
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	81
5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

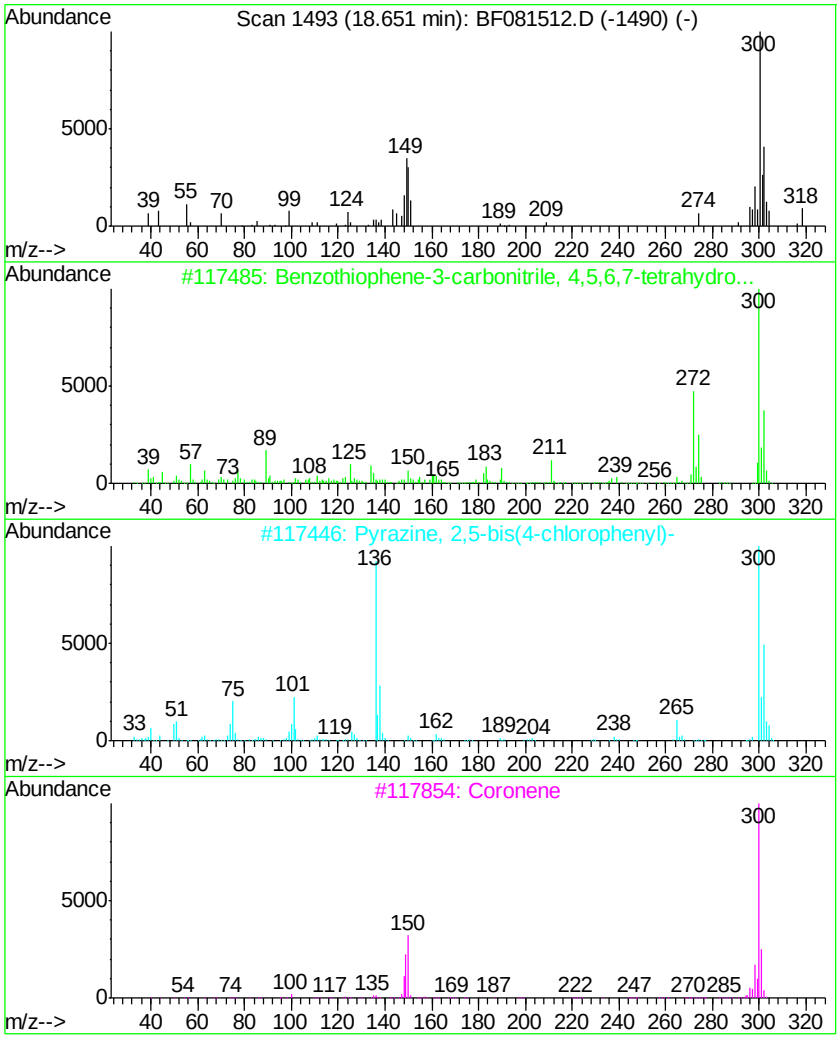
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

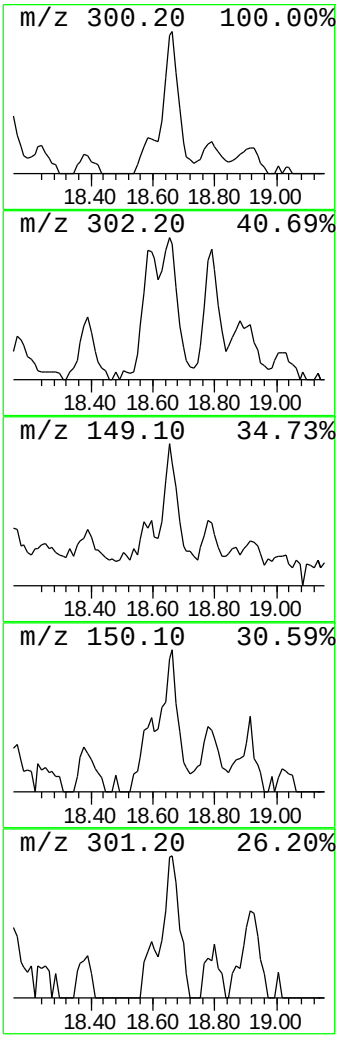
****

Peak Number 20 Benzothiophene-3-carbonitri... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	10.79 ng	98855	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzothiophene-3-carbonitrile, 4...	300	C16H13ClN2S	069438-07-9	50
2	Pyrazine, 2,5-bis(4-chlorophenyl)-	300	C16H10Cl2N2	074376-33-3	50
3	Coronene	300	C24H12	000191-07-1	49
4	4-[p-Chlorophenoxy]-6-methoxy-8-...	300	C16H13ClN2O2	063456-90-6	47
5	Androst-4-ene-3,6,17-trione	300	C19H24O3	002243-06-3	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081512.D
Acq On : 6 Sep 2015 16:20
Operator : UM/IZ
Sample : G3472-01
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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...	4.40	35.5	ng	627647	1	6.35	353648	20.0
unknown6.12	6.12	63.8	ng	1128590	1	6.35	353648	20.0
Dibenzofuran, 4-m...	10.09	8.1	ng	179143	3	9.38	443084	20.0
Pentadecane, 2,6,...	10.33	8.6	ng	235589	4	10.86	546335	20.0
Phenanthrene, 2-m...	11.35	8.9	ng	243694	4	10.86	546335	20.0
Phenanthrene, 1-m...	11.43	9.6	ng	261228	4	10.86	546335	20.0
4H-Cyclopenta[def...	11.46	18.2	ng	496192	4	10.86	546335	20.0
Piperazine, 1-met...	14.16	20.7	ng	189782	6	14.78	183273	20.0
Dinaphtho[2,1-b:1...	14.63	17.3	ng	158285	6	14.78	183273	20.0
unknown15.17	15.17	8.7	ng	79385	6	14.78	183273	20.0
Benzo[b]triphenylene	15.73	13.8	ng	126218	6	14.78	183273	20.0
Dibenzo[def,mno]c...	16.34	14.4	ng	132109	6	14.78	183273	20.0
Dibenz(a,e)aceant...	17.79	13.5	ng	124032	6	14.78	183273	20.0
1,2:4,5-Dibenzopy...	17.92	9.0	ng	82382	6	14.78	183273	20.0
Benzothiophene-3-...	18.65	10.8	ng	98855	6	14.78	183273	20.0