LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

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-BF103015.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	5.081	258	262	268	rVB	2297188	3598898	49.36%	3.290%
2	5.493	295	298	301	rVB	5442377	6085705	83.47%	5.564%
3	6.521	385	388	390	rVB	6389057	7251526	99.47%	6.629%
4	6.659	397	400	402	rBV	6961131	7290459	100.00%	6.665%
5	6.887	417	420	422	rBV	1623113	1348039	18.49%	1.232%
6	7.047	431	434	436	rBV	5989303	5333060	73.15%	4.876%
7	7.447	466	469	472	rBV	3609904	4049698	55.55%	3.702%
8	7.539	475	477	479	rVB	107361	115170	1.58%	0.105%
9	8.179	530	533	537	rBV2	1169171	1761863	24.17%	1.611%
10	8.613	569	571	573	rBV	113644	121922	1.67%	0.111%
11	8.887	592	595	597	rVB2	164991	180983	2.48%	0.165%
12	8.990	600	604	605	rBV2	98044	144079	1.98%	0.132%
13	9.093	609	613	614	rBV3	43554	119565	1.64%	0.109%
14	9.207	622	623	625	rBV	130098	162860	2.23%	0.149%
15	9.253	625	627	630	rVB	5868257	5737350	78.70%	5.245%
16	9.345	632	635	637	rBV2	157490	254910	3.50%	0.233%
17	9.516	647	650	653	rBV2	104364	214583	2.94%	0.196%
18	9.585	654	656	660	rVV3	135445	335550	4.60%	0.307%
19	9.642	660	661	665	rVV	1009112	1553572	21.31%	1.420%
20	9.710	665	667	669	rVB3	64637	127096	1.74%	0.116%
21	9.790	672	674	675	rBV	152641	144006	1.98%	0.132%
22	9.927	684	686	688	rBV	1522715	1620739	22.23%	1.482%
23	9.962	688	689	691	rVV	463477	359480	4.93%	0.329%
24	10.053	695	697	698	rVB2	92395	101141	1.39%	0.092%
25	10.133	702	704	706	rVB	426710	385689	5.29%	0.353%
26	10.168	706	707	709	rBV	102108	130678	1.79%	0.119%
27	10.202	709	710	712	rVB2	175943	157006	2.15%	0.144%
28	10.248	712	714	715	rBV2	124134	121404	1.67%	0.111%
29	10.350	720	723	724	rBV2	136460	225095	3.09%	0.206%
30	10.476	732	734	735	rBV	446969	374715	5.14%	0.343%
31	10.545	738	740	743	rVV3	122013	183539	2.52%	0.168%
32	10.602	743	745	747	rVV2	378690	522515	7.17%	0.478%
33	10.636	747	748	751	rVB2	222293	264754	3.63%	0.242%
34	10.682	751	752	753	rBV	88490	118840	1.63%	0.109%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

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-BF103015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.716	753	755	757	rVB	4169173	3917714	53.74%	3.582%
36	10.762	757	759	762	rVB4	89962	181232	2.49%	0.166%
37	10.865	764	768	772	rVB	728498	898501	12.32%	0.821%
38	11.025	779	782	783	rBV2	190112	266594	3.66%	0.244%
39	11.150	791	793	794	rBV2	108450	206030	2.83%	0.188%
40	11.173	794	795	797	rVV2	183315	244691	3.36%	0.224%
41	11.219	797	799	801	rVV	157273	237970	3.26%	0.218%
42	11.276	801	804	805	rVV2	144842	268151	3.68%	0.245%
43	11.310	805	807	808	rVV2	273220	528408	7.25%	0.483%
44	11.333	808	809	811	rVB	472709	356603	4.89%	0.326%
45	11.413	814	816	817	rBV	1366375	1314136	18.03%	1.201%
46	11.436	817	818	820	rVV	3059107	3064570	42.04%	2.802%
47	11.493	820	823	824	rVB	717672	976882	13.40%	0.893%
48	11.528	824	826	827	rBV	152672	193559	2.65%	0.177%
49	11.653	834	837	841	rVB4	406132	653686	8.97%	0.598%
50	11.722	841	843	844	rBV2	162939	205808	2.82%	0.188%
51	11.825	851	852	854	rVB	137888	141345	1.94%	0.129%
52	11.871	854	856	858	rBV3	76512	155328	2.13%	0.142%
53	11.916	858	860	861	rVV	869336	804928	11.04%	0.736%
54	11.951	861	863	865	rVV	1153607	1374503	18.85%	1.257%
55	11.996	865	867	868	rVV	299724	382334	5.24%	0.350%
56	12.031	868	870	874	rVB2	1119186	1759573	24.14%	1.609%
57	12.133	878	879	883	rVB4	137658	206032	2.83%	0.188%
58	12.213	884	886	891	rVB3	841344	1036477	14.22%	0.948%
59	12.293	891	893	896	rVB3	86408	136351	1.87%	0.125%
60	12.362	897	899	901	rBV	248116	220788	3.03%	0.202%
61	12.419	901	904	905	rVB2	241153	388080	5.32%	0.355%
62	12.465	906	908	910	rBV	480615	713532	9.79%	0.652%
63	12.499	910	911	914	rVB2	241041	445511	6.11%	0.407%
64	12.556	914	916	918	rVB3	210463	363609	4.99%	0.332%
65	12.636	920	923	924	rBV	3818275	4281840	58.73%	3.915%
66	12.682	924	927	930	rBV4	133426	212431	2.91%	0.194%
67	12.739	930	932	934	rBV2	350371	385306	5.29%	0.352%
68	12.865	939	943	945	rVV2	3251933	5012346	68.75%	4.582%
69	12.899	945	946	949	rVB3	173478	321234	4.41%	0.294%
70	13.002	953	955	958	rVB	3615858	4498024	61.70%	4.112%
71	13.082	958	962	965	rVB3	359974	634699	8.71%	0.580%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

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-BF103015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.139	965	967	968	rBV	117129	163103	2.24%	0.149%
73	13.185	968	971	973	rVB	852981	1069477	14.67%	0.978%
74	13.254	975	977	978	rVV	618914	520136	7.13%	0.476%
75	13.288	978	980	982	rVV	654570	701908	9.63%	0.642%
76	13.379	986	988	989	rVV	420286	357119	4.90%	0.326%
77	13.414	989	991	993	rVB	389514	350230	4.80%	0.320%
78	13.688	1013	1015	1020	rVB2	281289	432190	5.93%	0.395%
79	13.802	1022	1025	1026	rBV2	388068	560983	7.69%	0.513%
80	13.836	1026	1028	1032	rVB3	206934	374221	5.13%	0.342%
81	13.894	1032	1033	1034	rBV	185397	165748	2.27%	0.152%
82	14.054	1044	1047	1048	rBV2	2388402	3472274	47.63%	3.174%
83	14.088	1048	1050	1053	rVB	1465557	1968740	27.00%	1.800%
84	14.156	1054	1056	1058	rBV2	237220	390799	5.36%	0.357%
85	14.271	1065	1066	1069	rBV3	180316	225632	3.09%	0.206%
86	14.408	1077	1078	1079	rBV	181715	186585	2.56%	0.171%
87	14.442	1079	1081	1083	rVV	451153	569517	7.81%	0.521%
88	14.477	1083	1084	1086	rVB	297140	269407	3.70%	0.246%
89	14.534	1087	1089	1091	rBV3	150992	230767	3.17%	0.211%
90	14.568	1091	1092	1093	rBV	231352	195339	2.68%	0.179%
91	14.831	1113	1115	1116	rBV	132244	146610	2.01%	0.134%
92	15.094	1135	1138	1143	rBV	1395540	2996081	41.10%	2.739%
93	15.197	1145	1147	1149	rVB	367266	380249	5.22%	0.348%
94	15.391	1161	1164	1167	rVB	892082	1220253	16.74%	1.116%
95	15.448	1167	1169	1171	rBV	1240521	1526422	20.94%	1.395%
96	15.505	1172	1174	1176	rBV	577871	823641	11.30%	0.753%
97	15.677	1186	1189	1191	rBV4	172590	351821	4.83%	0.322%
98	16.648	1271	1274	1279	rVB	233046	501898	6.88%	0.459%
99	16.934	1296	1299	1302	rVB2	528243	974575	13.37%	0.891%
100	17.357	1333	1336	1342	rVB	389362	772448	10.60%	0.706%

Sum of corrected areas: 109383468

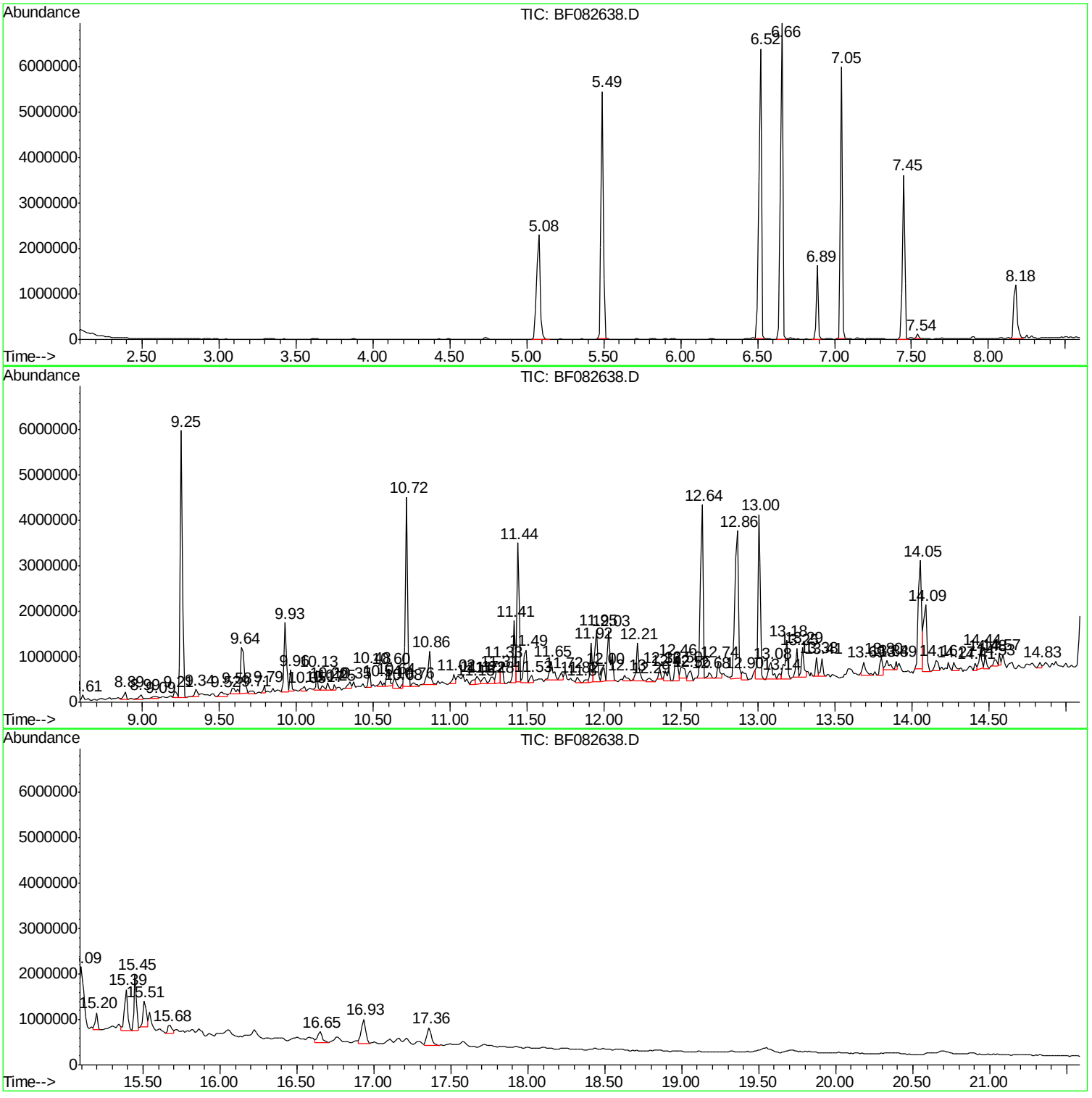
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

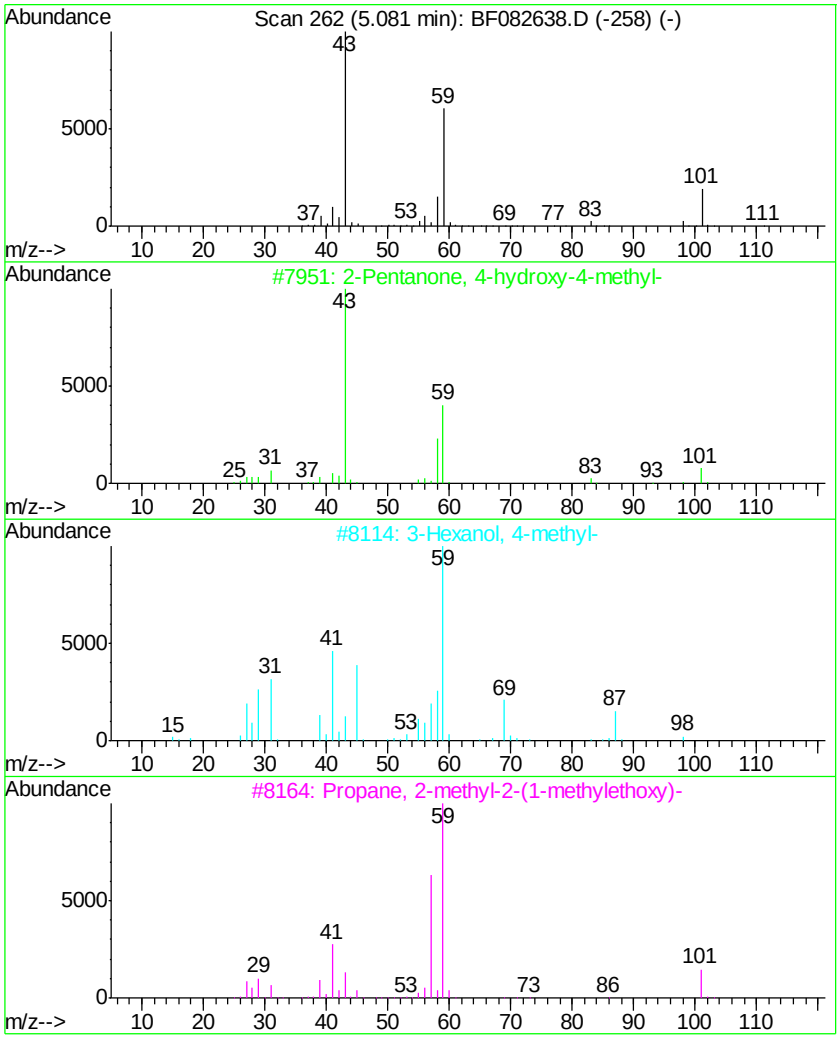
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

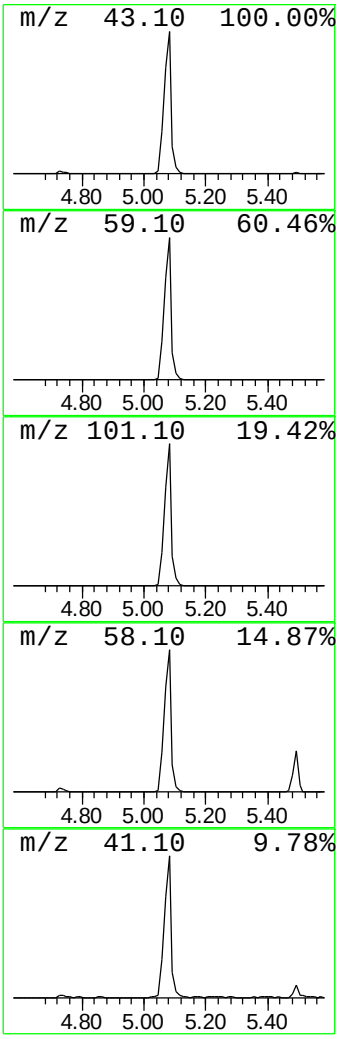
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	53.39 ng	3598900	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

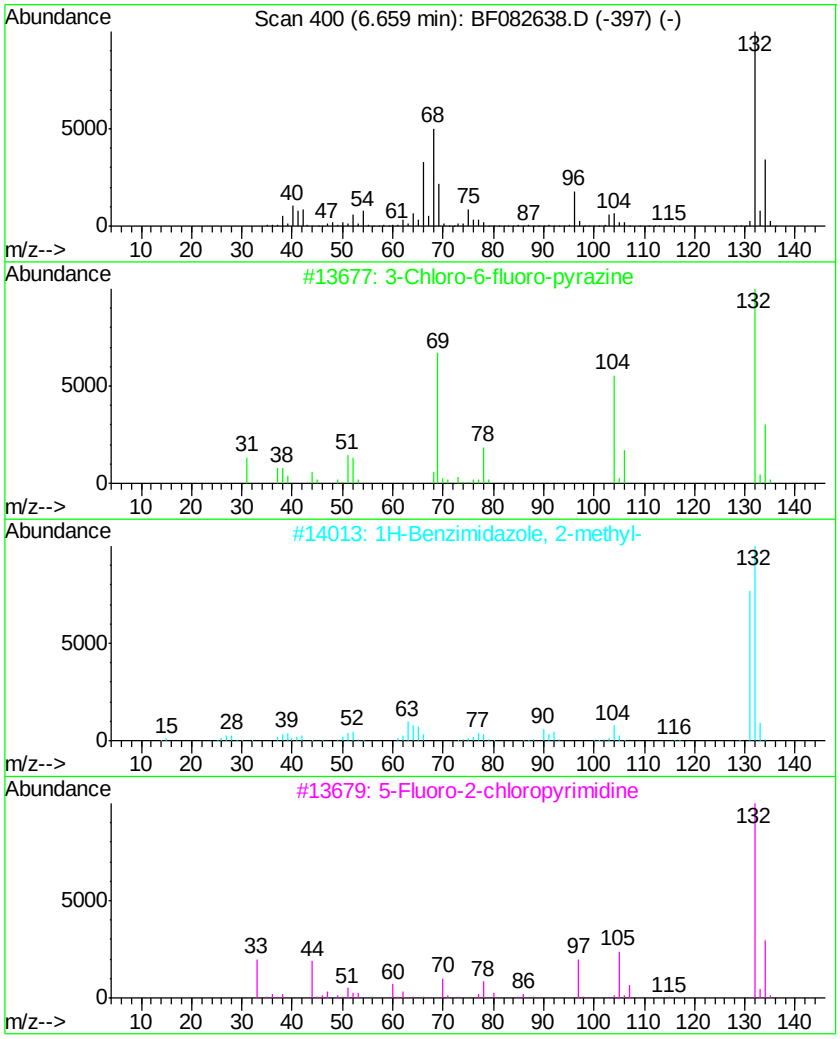
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

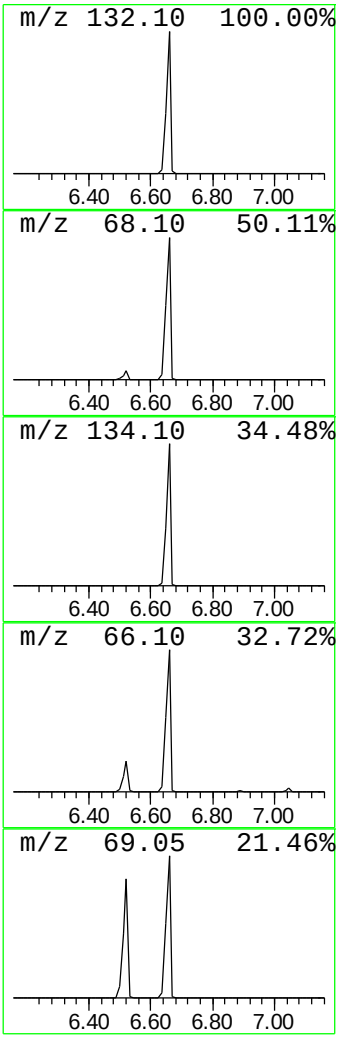
****

Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	108.16 ng	7290460	1,4-Dichlorobenzene-d4	6.89

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	22
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
5	Amphetaminil	250	C17H18N2	017590-01-1	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

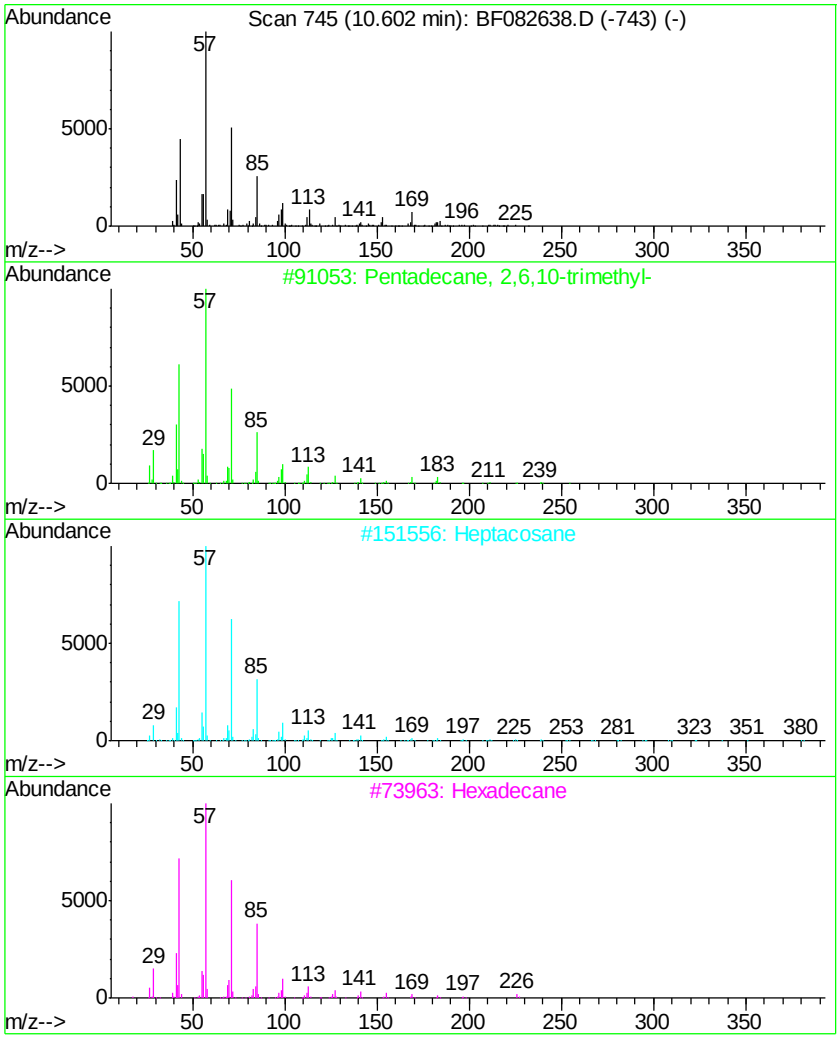
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

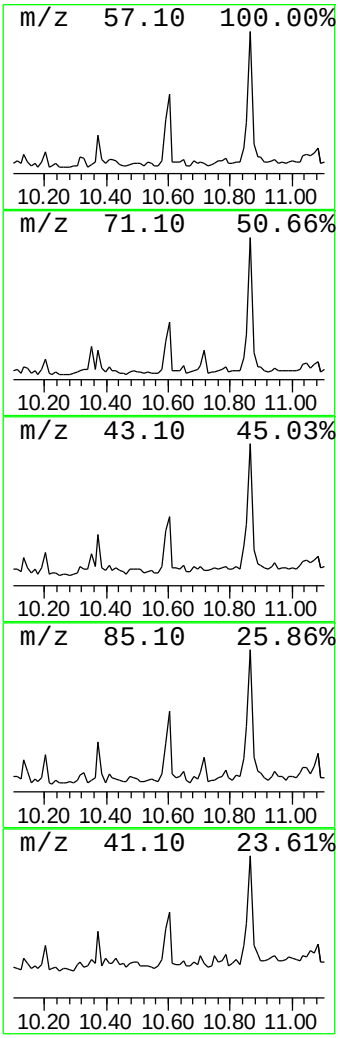
****

Peak Number 4 Pentadecane, 2,6,10-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	6.45 ng	522515	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
2	Heptacosane	380	C27H56	000593-49-7	78
3	Hexadecane	226	C16H34	000544-76-3	78
4	Eicosane	282	C20H42	000112-95-8	78
5	Tridecane	184	C13H28	000629-50-5	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

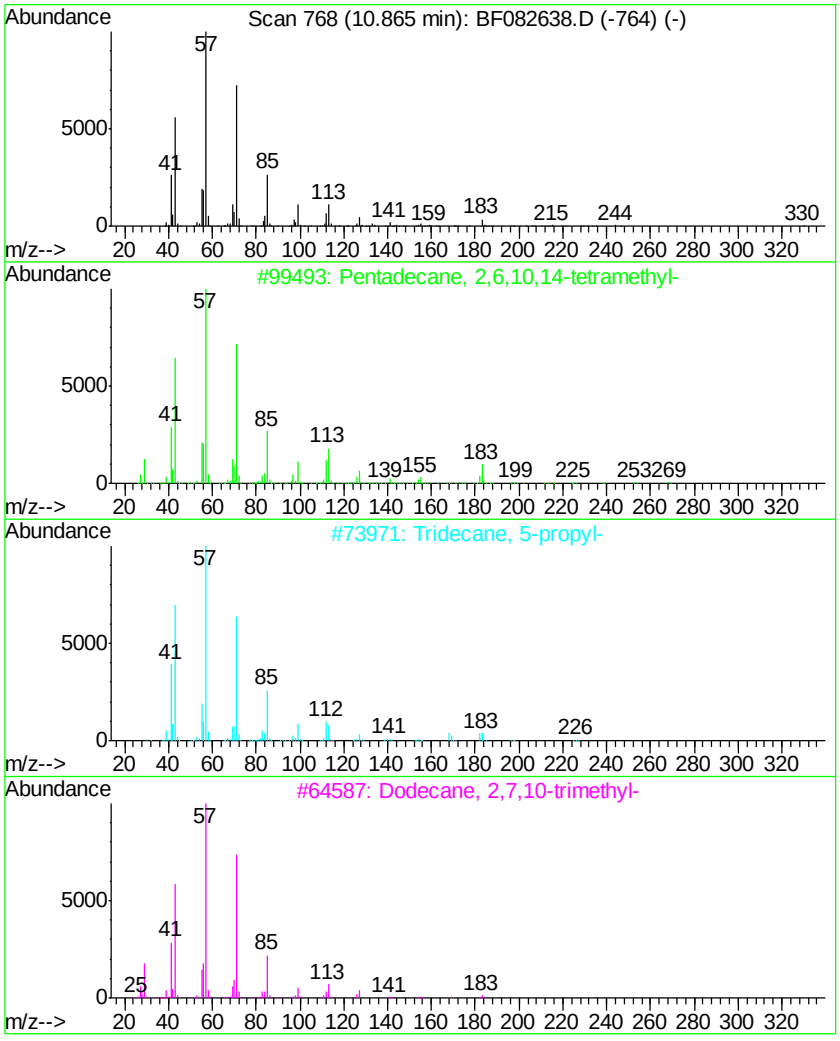
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

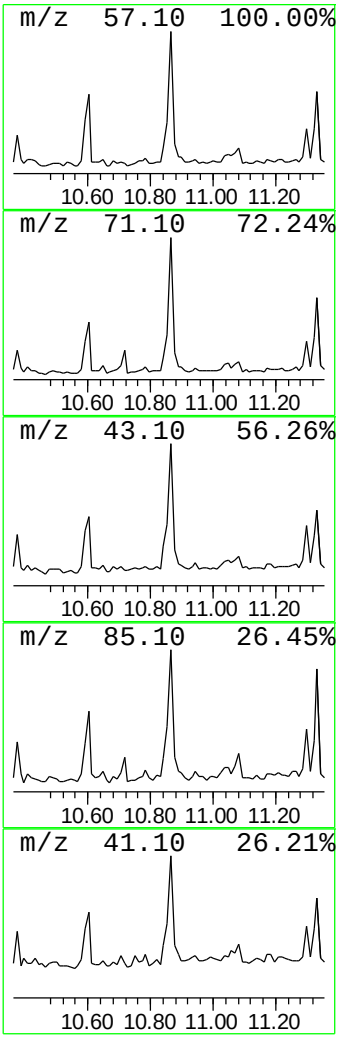
****

Peak Number 5 Pentadecane, 2,6,10,14-tetr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	13.67 ng	898501	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4	Decane, 5-propyl-	184	C13H28	017312-62-8	70
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

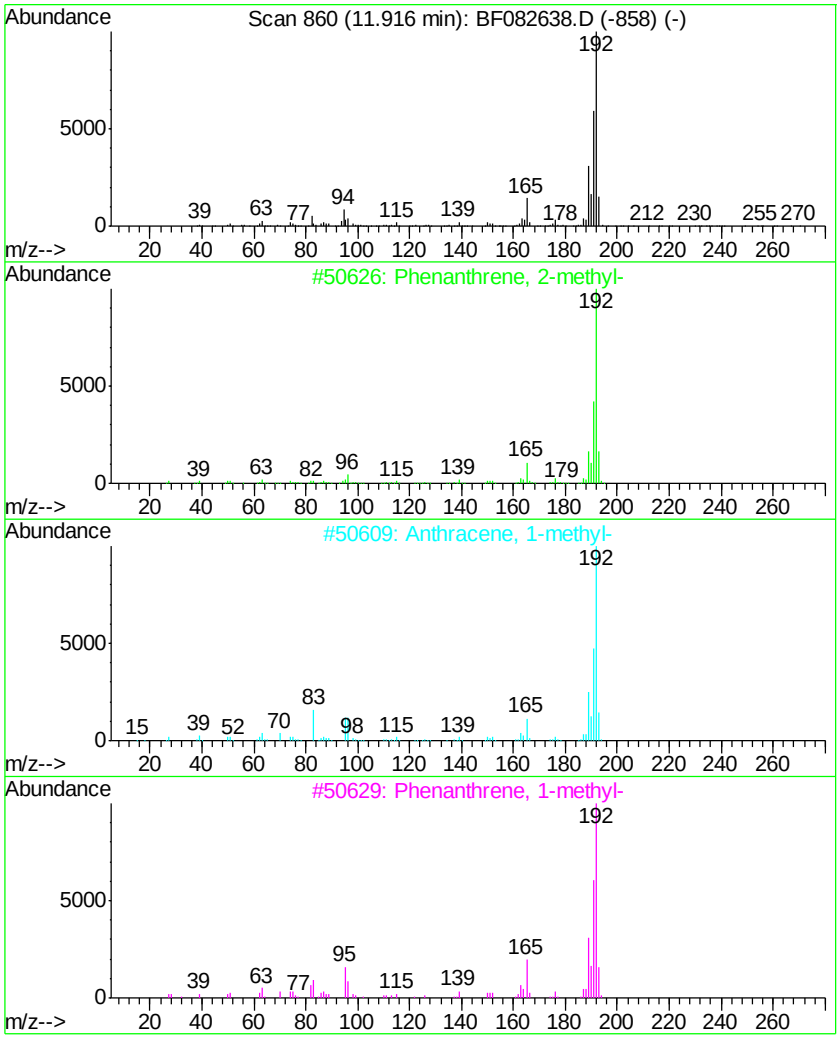
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

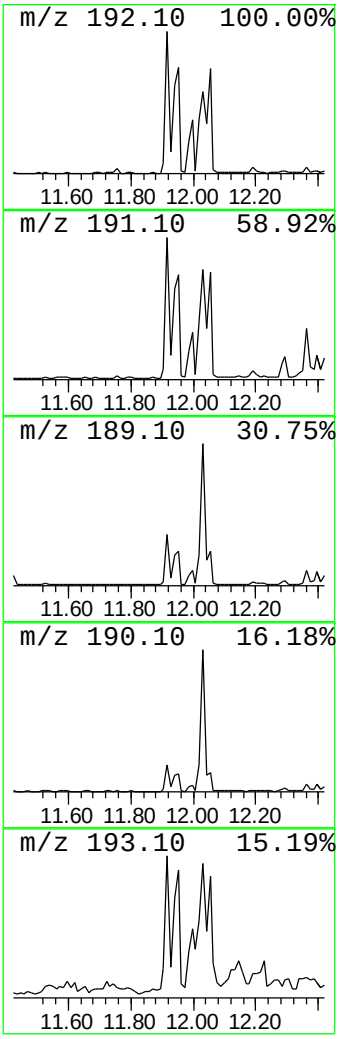
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	12.25 ng	804928	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

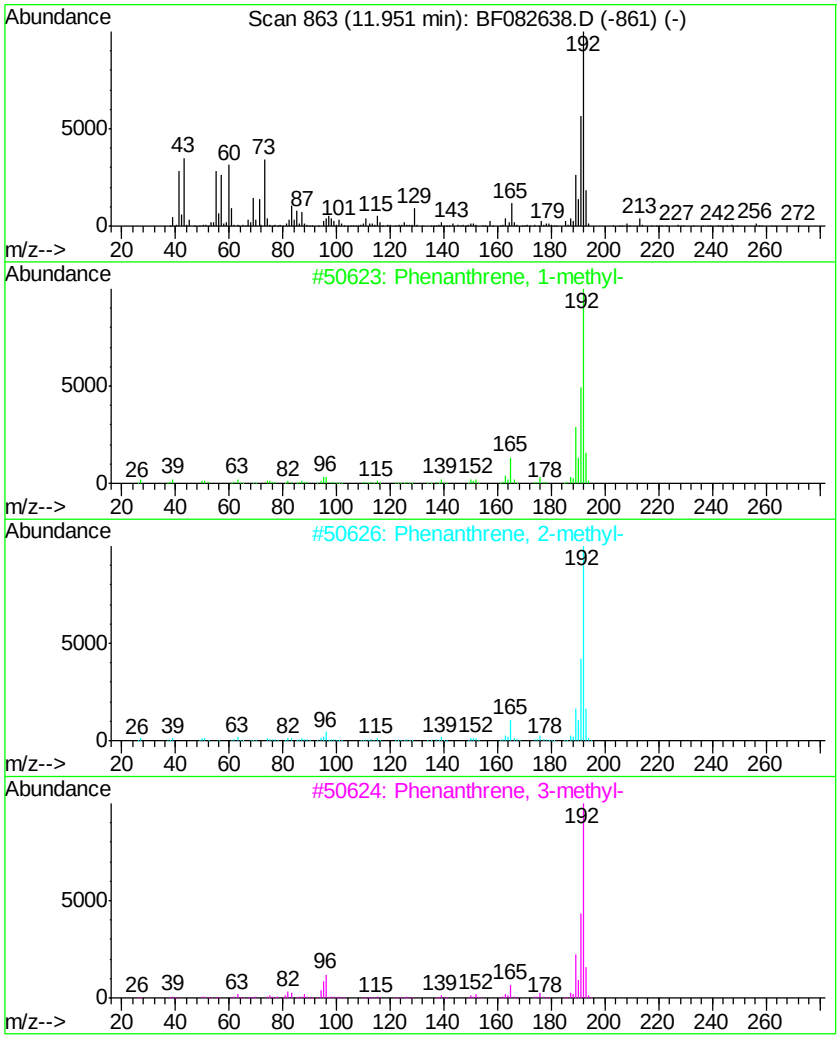
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

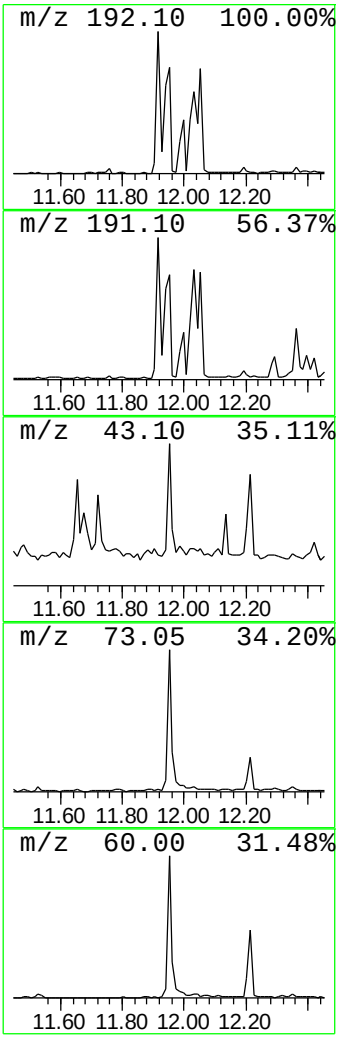
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	20.92 ng	1374500	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	92
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

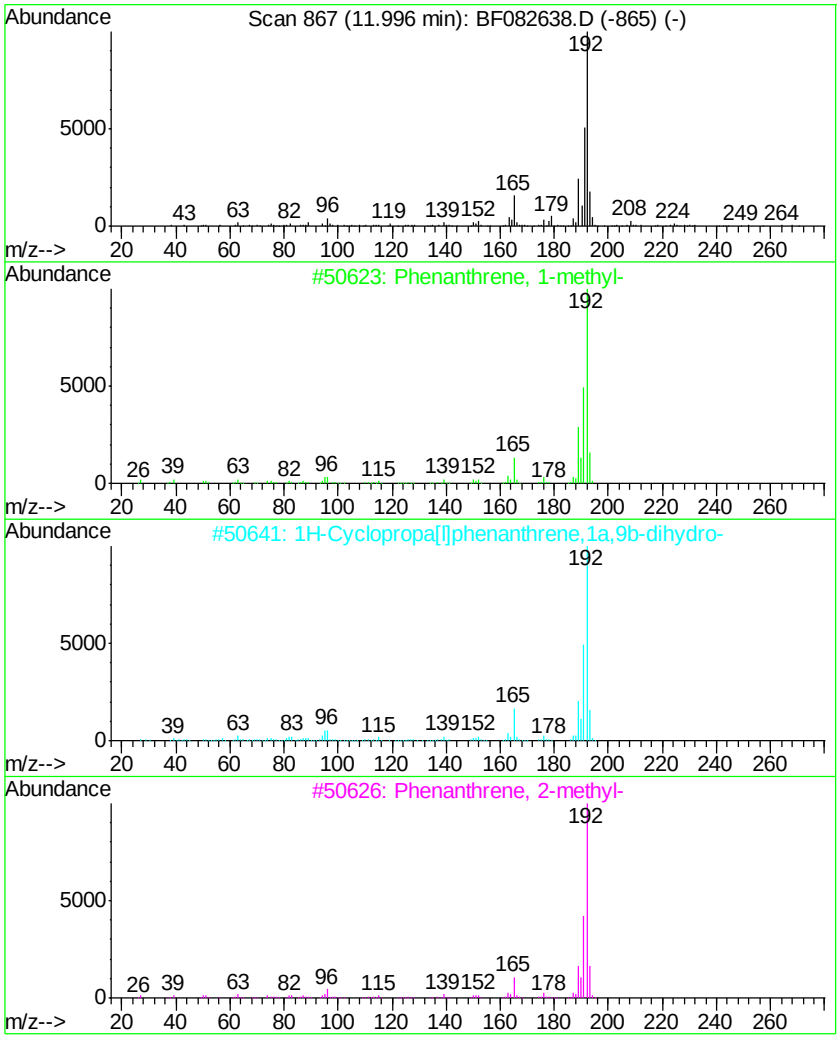
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

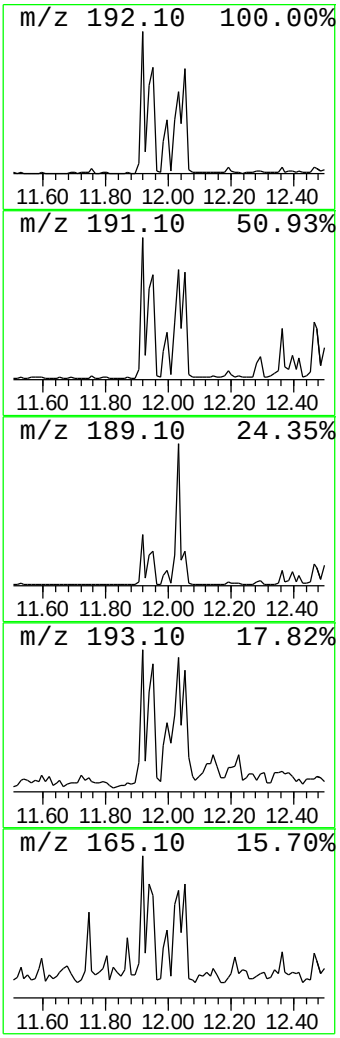
****

Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	5.82 ng	382334	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

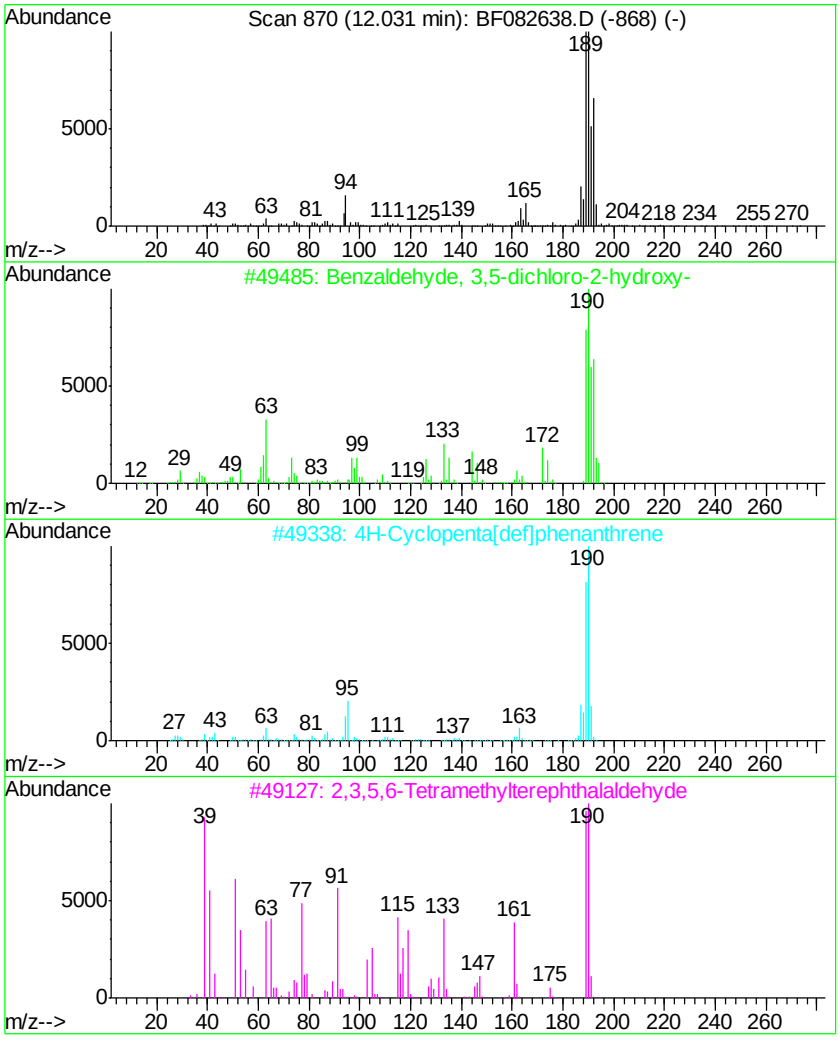
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

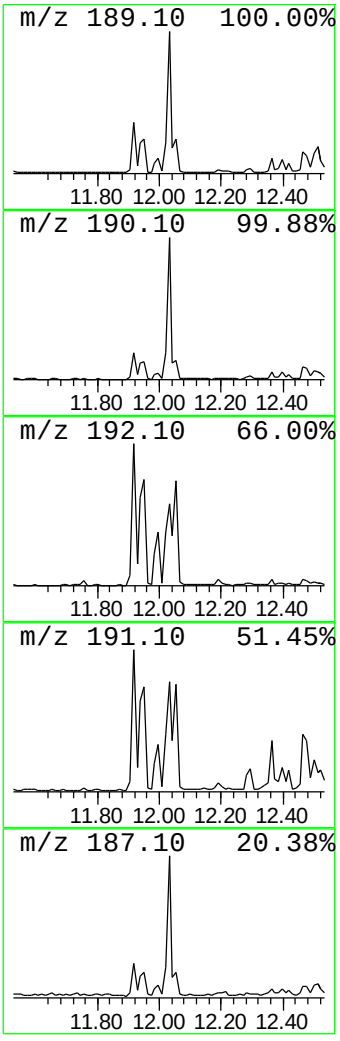
****

Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	26.78 ng	1759570	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

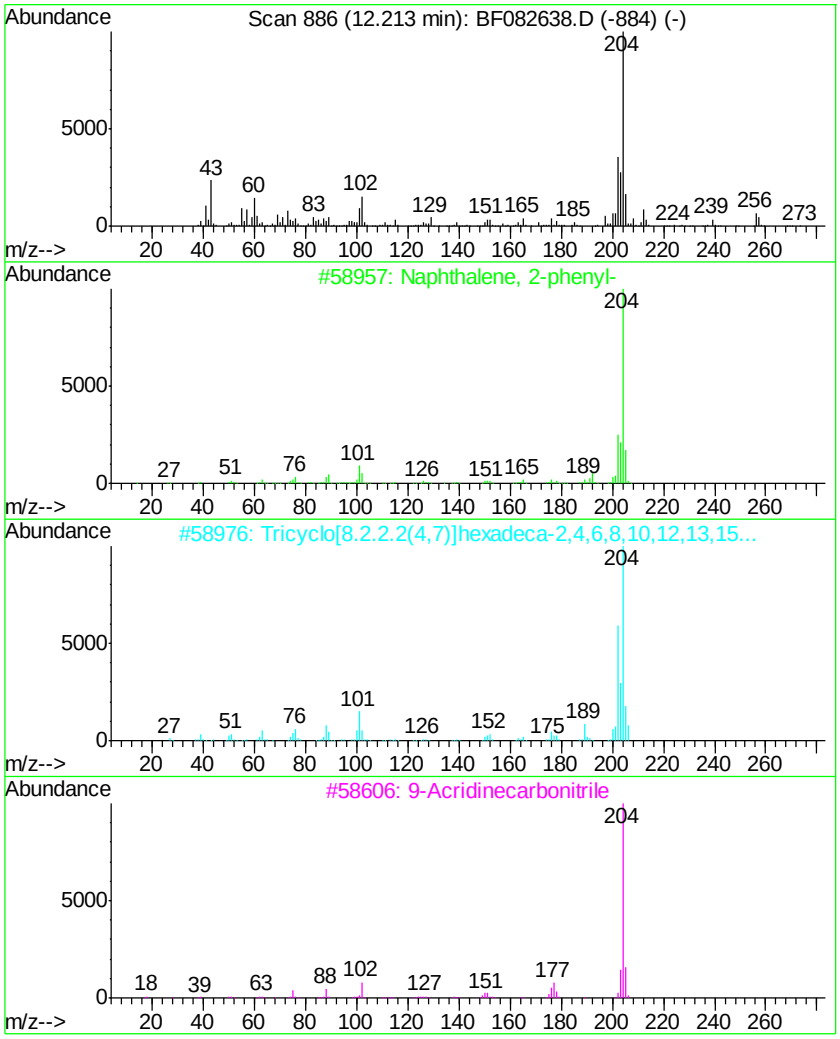
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

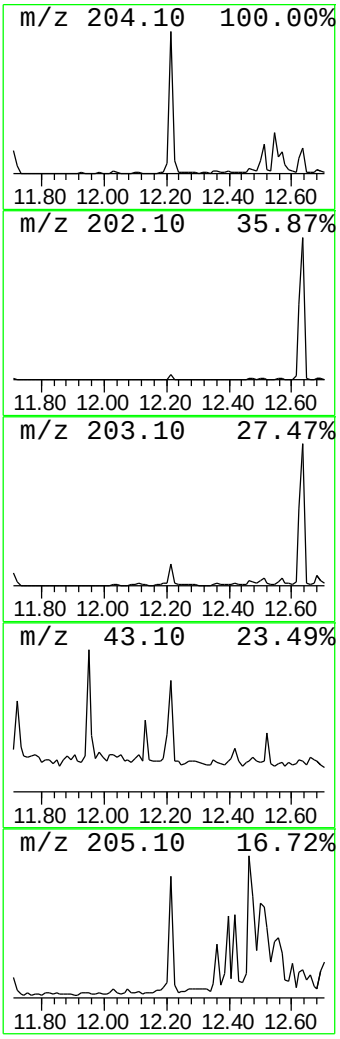
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	15.77 ng	1036480	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

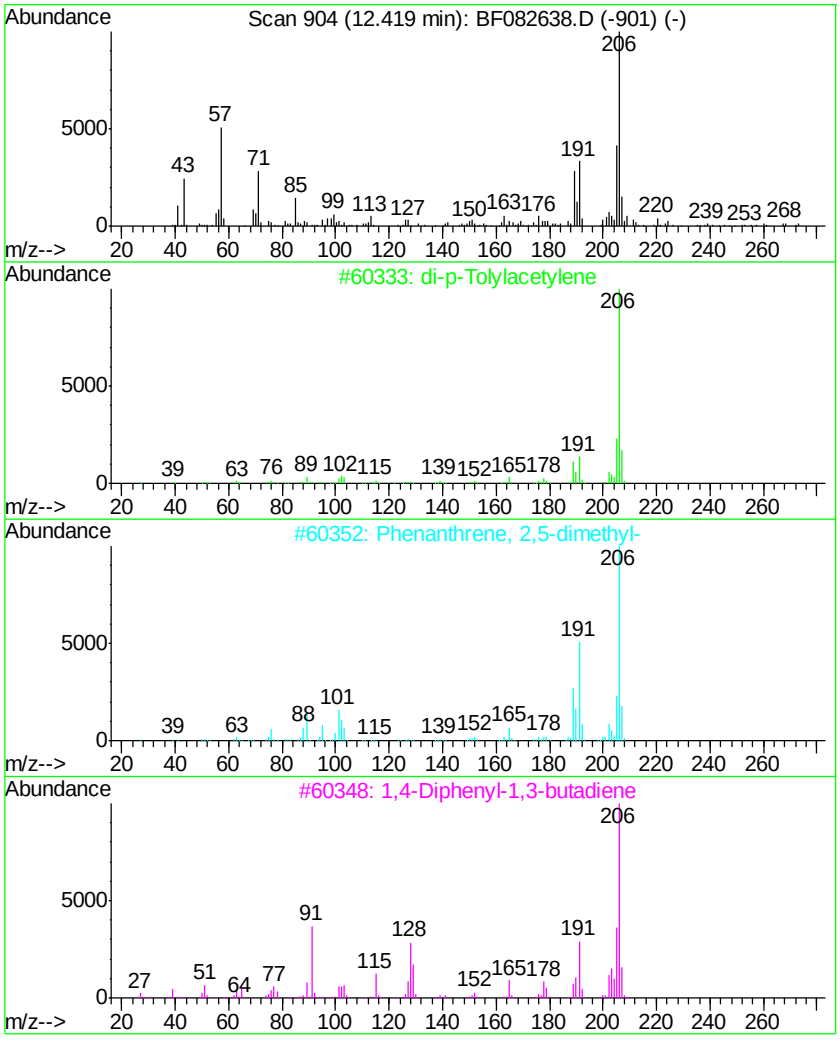
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

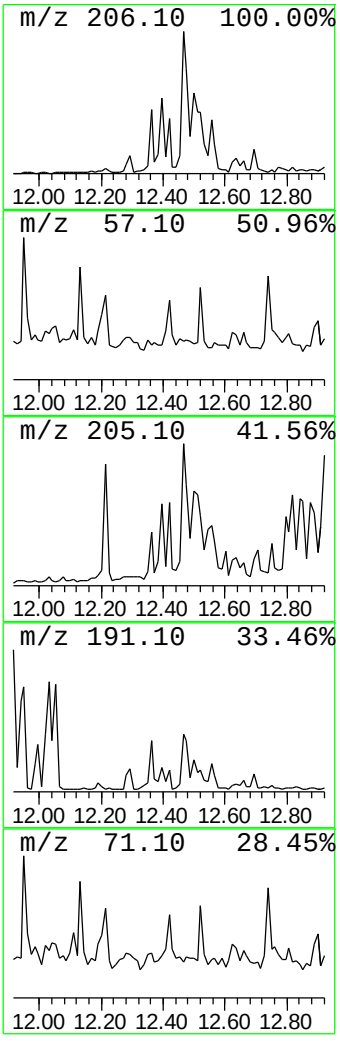
****

Peak Number 12 di-p-Tolylacetylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	5.91 ng	388080	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	76
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	64
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	59
5	5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

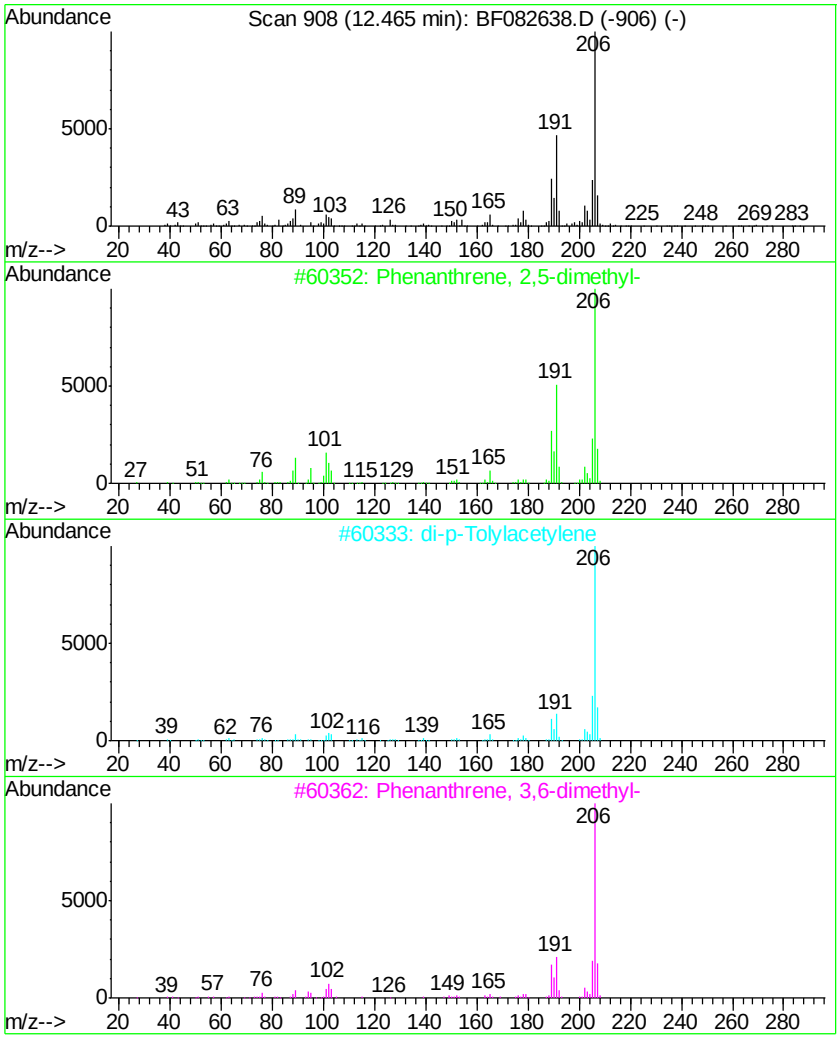
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

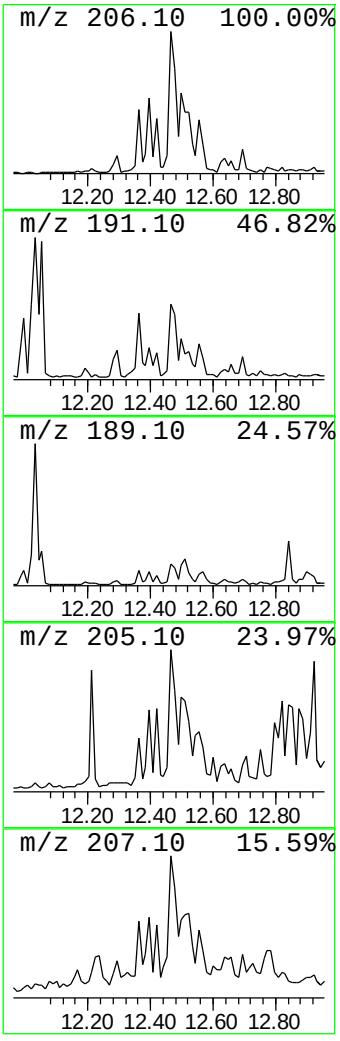
****

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	10.86 ng	713532	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

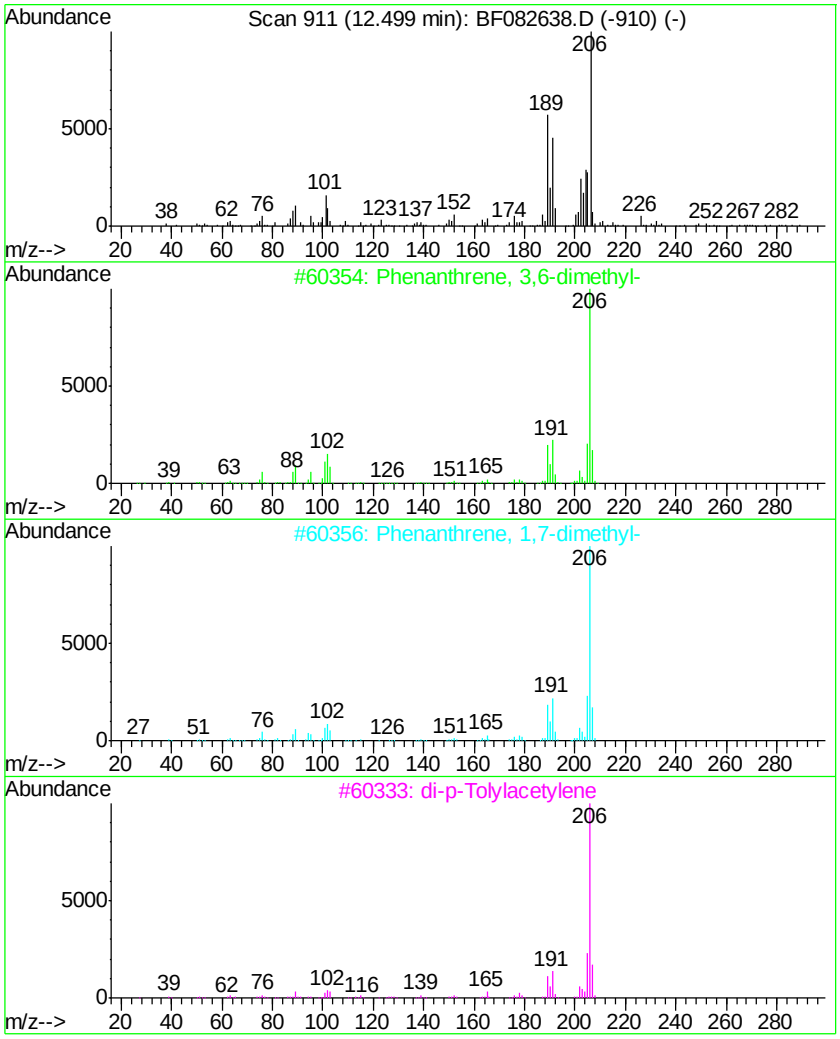
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

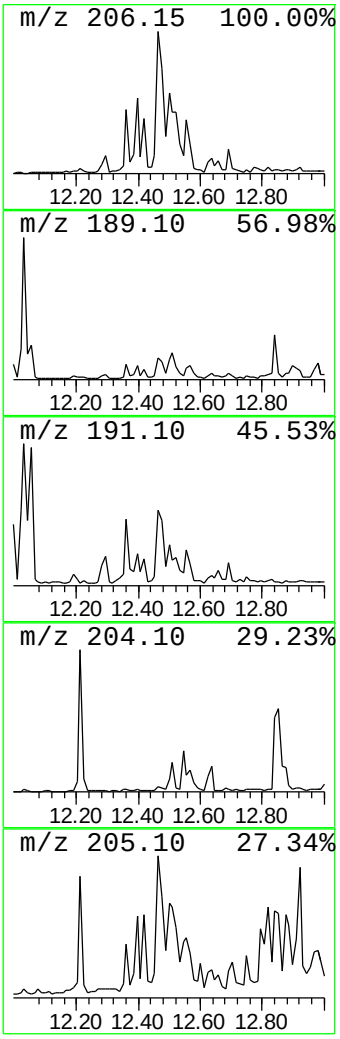
****

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	6.78 ng	445511	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	68
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	62
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

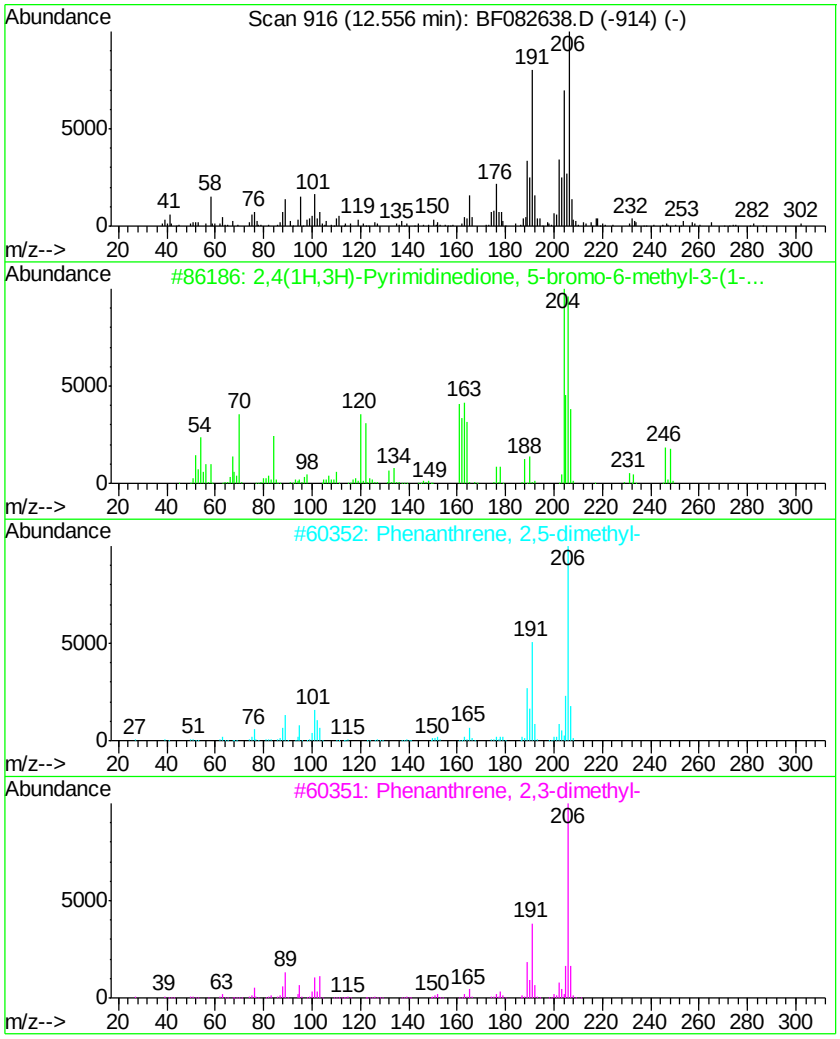
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

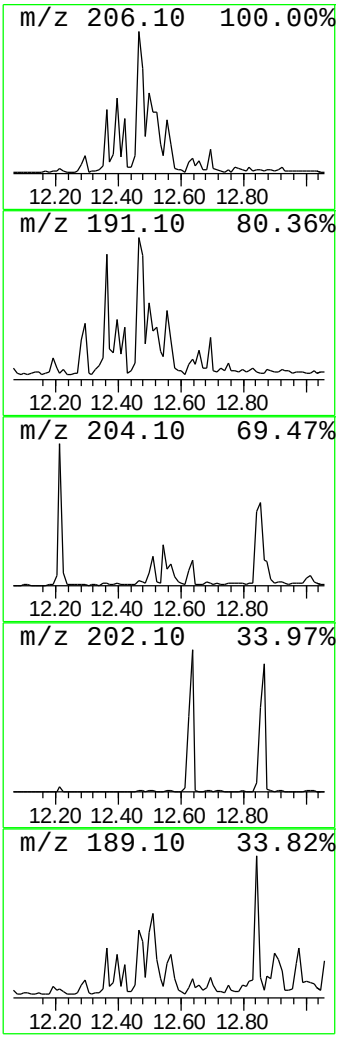
****

Peak Number 15 2,4(1H,3H)-Pyrimidinedione,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	5.53 ng	363609	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4(1H,3H)-Pyrimidinedione, 5-br...	246	C8H11BrN2O2	000314-42-1	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	78
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

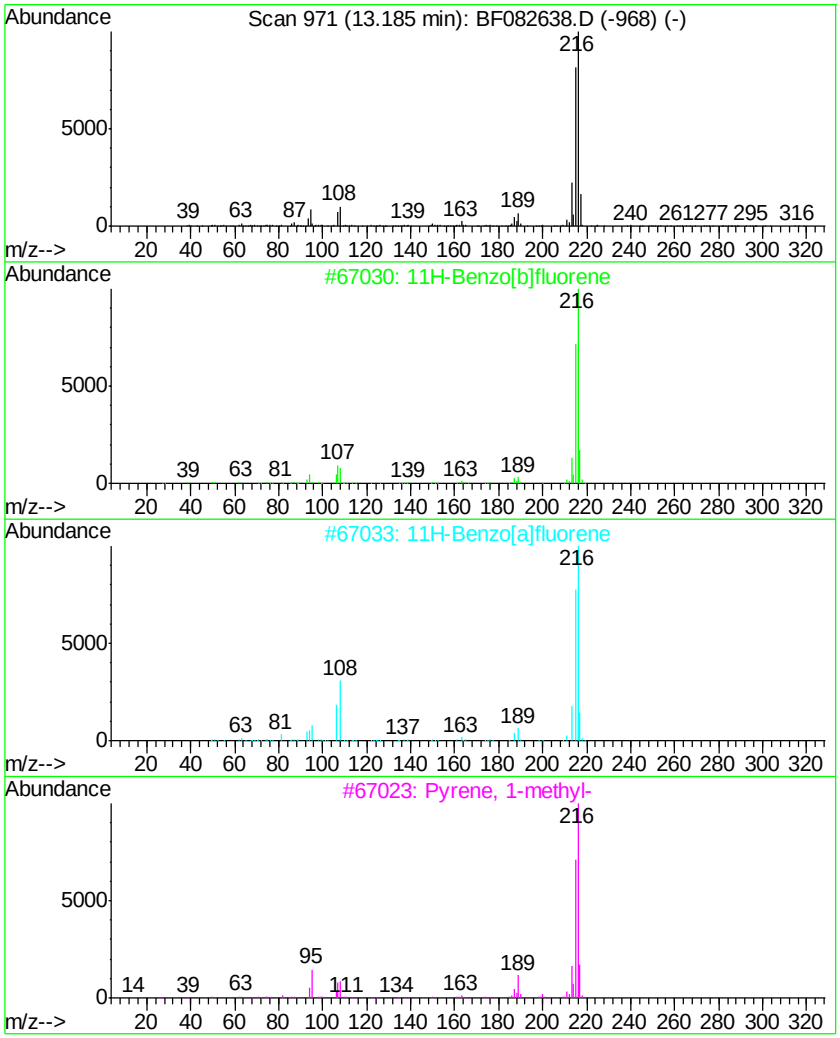
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

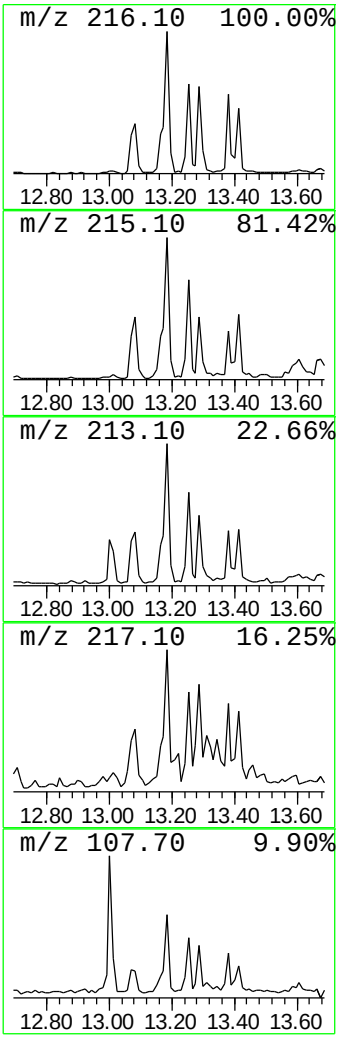
****

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	6.16 ng	1069480	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

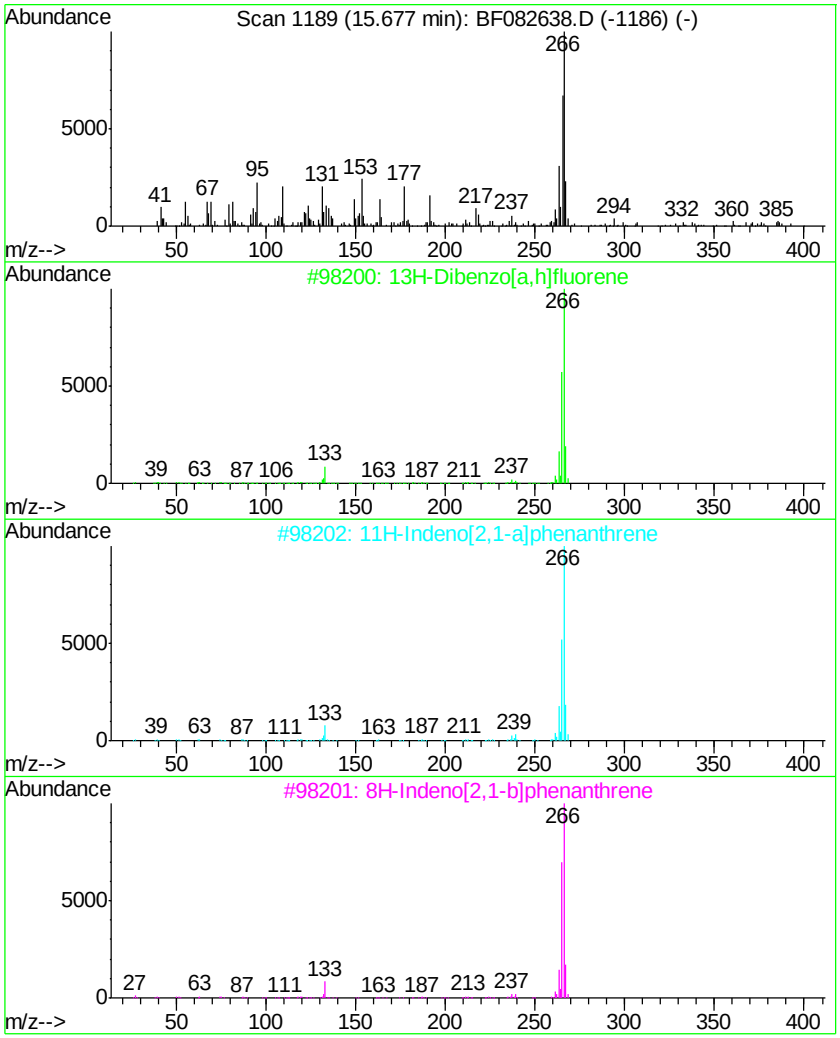
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

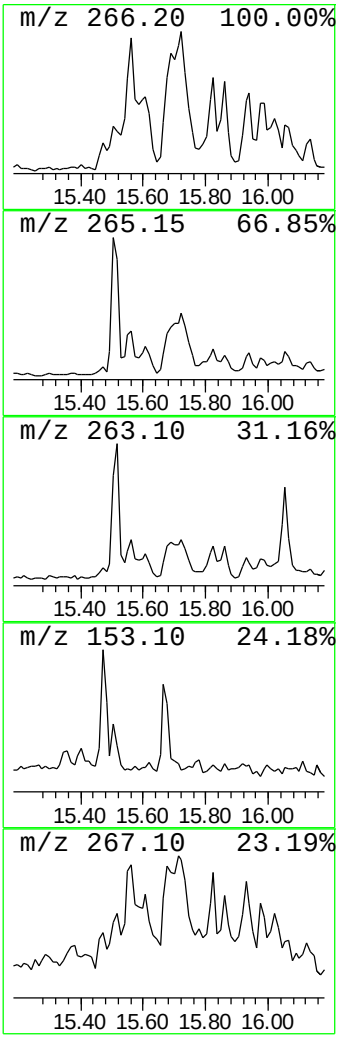
****

Peak Number 19 13H-Dibenzo[a,h]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	8.54 ng	351821	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	55
2	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	55
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	46
4	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	43
5	(1H)Phenanthro[9,10-d]pyrazole, ...	294	C21H14N2	037944-54-0	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

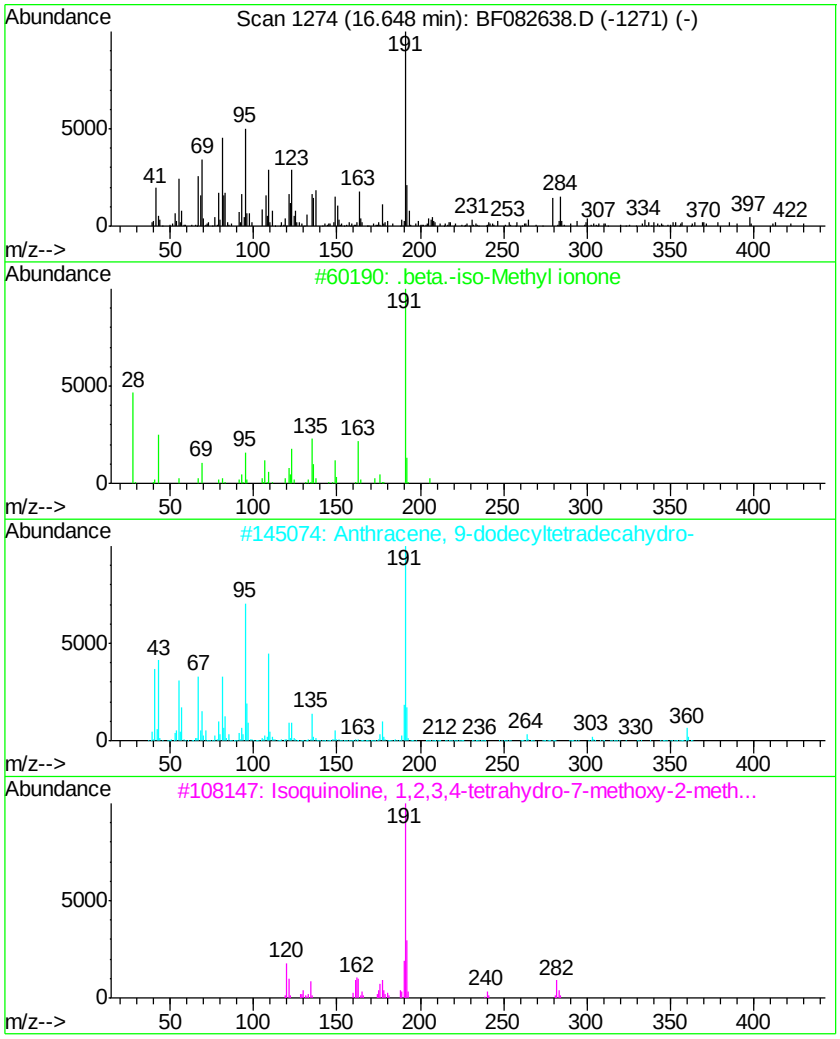
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

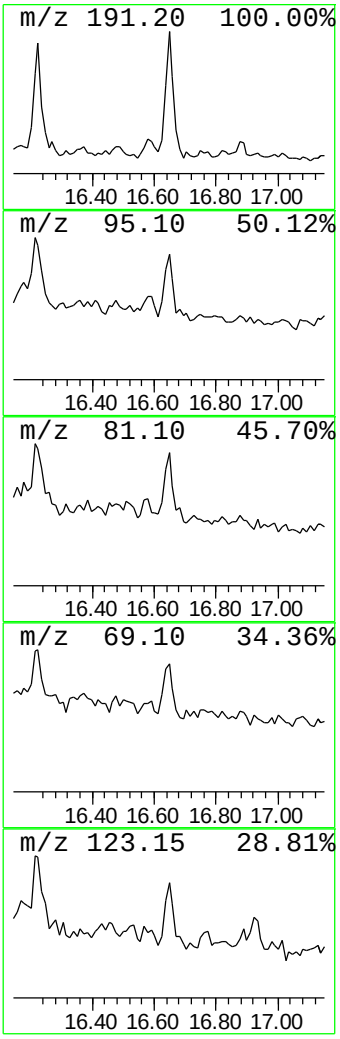
****

Peak Number 20 unknown16.65 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	12.19 ng	501898	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	46
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	45
3	Isoquinoline, 1,2,3,4-tetrahydro...	283	C18H21NO2	036646-87-4	40
4	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38
5	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110215\
Data File : BF082638.D
Acq On : 2 Nov 2015 18:37
Operator : UM/IZ
Sample : G4234-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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...	5.08	53.4	ng	3598900	1	6.89	1348040	20.0
unknown6.66	6.66	108.2	ng	7290460	1	6.89	1348040	20.0
Pentadecane, 2,6,...	10.60	6.5	ng	522515	3	9.93	1620740	20.0
Pentadecane, 2,6,...	10.86	13.7	ng	898501	4	11.41	1314140	20.0
Phenanthrene, 2-m...	11.92	12.3	ng	804928	4	11.41	1314140	20.0
Phenanthrene, 1-m...	11.95	20.9	ng	1374500	4	11.41	1314140	20.0
1H-Cyclopropa[l]p...	12.00	5.8	ng	382334	4	11.41	1314140	20.0
Benzaldehyde, 3,5...	12.03	26.8	ng	1759570	4	11.41	1314140	20.0
Naphthalene, 2-ph...	12.21	15.8	ng	1036480	4	11.41	1314140	20.0
di-p-Tolylacetylene	12.42	5.9	ng	388080	4	11.41	1314140	20.0
Phenanthrene, 2,5...	12.46	10.9	ng	713532	4	11.41	1314140	20.0
Phenanthrene, 3,6...	12.50	6.8	ng	445511	4	11.41	1314140	20.0
2,4(1H,3H)-Pyrimi...	12.56	5.5	ng	363609	4	11.41	1314140	20.0
11H-Benzo[b]fluorene	13.19	6.2	ng	1069480	5	14.05	3472270	20.0
13H-Dibenzo[a,h]f...	15.68	8.5	ng	351821	6	15.51	823641	20.0
unknown16.65	16.65	12.2	ng	501898	6	15.51	823641	20.0