LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090882.D
Acq On : 27 Oct 2016 22:25
Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

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-BF102616.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	4.933	247	249	257	rBV	376834	507265	8.33%	0.531%
2	5.367	284	287	289	rBV	2300789	2383143	39.14%	2.496%
3	6.407	376	378	387	rBV	2036525	2213610	36.36%	2.319%
4	6.533	387	389	392	rBV	2071521	2438373	40.05%	2.554%
5	6.773	408	410	414	rBV	767823	792691	13.02%	0.830%
6	6.922	421	423	426	rBV	1630322	2034878	33.42%	2.132%
7	7.333	457	459	462	rBV	1150881	1356495	22.28%	1.421%
8	8.053	520	522	528	rBV2	780872	1429702	23.48%	1.498%
9	8.773	583	585	588	rBV	184327	162856	2.68%	0.171%
10	8.876	591	594	596	rBV	109559	145431	2.39%	0.152%
11	9.139	614	617	619	rBV	3365324	2929141	48.11%	3.068%
12	9.402	637	640	643	rBV	101795	154685	2.54%	0.162%
13	9.471	644	646	647	rVV	236237	228632	3.76%	0.239%
14	9.539	650	652	654	rVV	674498	774694	12.72%	0.812%
15	9.585	654	656	659	rVV2	91426	166569	2.74%	0.174%
16	9.676	661	664	666	rBV	257926	296800	4.88%	0.311%
17	9.813	673	676	677	rBV	1498209	1365282	22.43%	1.430%
18	9.848	677	679	681	rVV	591650	668648	10.98%	0.700%
19	10.019	691	694	696	rVV	464545	500054	8.21%	0.524%
20	10.133	701	704	705	rVV	120111	151357	2.49%	0.159%
21	10.225	709	712	717	rBV4	96123	293746	4.82%	0.308%
22	10.362	722	724	726	rVV	661874	799494	13.13%	0.837%
23	10.419	727	729	730	rVV	118427	212332	3.49%	0.222%
24	10.442	730	731	732	rVV	178621	161901	2.66%	0.170%
25	10.465	732	733	736	rVV2	82959	189398	3.11%	0.198%
26	10.522	736	738	740	rVB	211732	292086	4.80%	0.306%
27	10.602	742	745	747	rVV	2020157	2095207	34.42%	2.195%
28	10.728	754	756	759	rVB	176676	205516	3.38%	0.215%
29	10.911	768	772	773	rBV2	241363	424730	6.98%	0.445%
30	11.036	780	783	788	rBV2	228032	573860	9.43%	0.601%
31	11.151	791	793	794	rBV	287209	356478	5.86%	0.373%
32	11.185	794	796	800	rVB2	264326	530589	8.72%	0.556%
33	11.322	803	808	810	rBV2	4433904	6088027	100.00%	6.377%
34	11.368	810	812	814	rVV	1222373	1327655	21.81%	1.391%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090882.D
Acq On : 27 Oct 2016 22:25
Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

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-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.402	814	815	817	rVB	165991	180908	2.97%	0.190%
36	11.528	823	826	830	rBV3	339126	620482	10.19%	0.650%
37	11.596	830	832	834	rVV2	233138	267419	4.39%	0.280%
38	11.802	847	850	851	rBV	576290	903547	14.84%	0.946%
39	11.825	851	852	854	rVV	1247244	1026719	16.86%	1.076%
40	11.871	854	856	858	rVV	509673	527973	8.67%	0.553%
41	11.905	858	859	864	rVB2	1185226	2014064	33.08%	2.110%
42	12.008	867	868	871	rVB2	155307	148084	2.43%	0.155%
43	12.088	873	875	879	rVB2	380178	628297	10.32%	0.658%
44	12.248	886	889	890	rBV	156870	256531	4.21%	0.269%
45	12.351	895	898	900	rBV	913492	1205086	19.79%	1.262%
46	12.385	900	901	904	rVB2	336456	503285	8.27%	0.527%
47	12.431	904	905	910	rVB2	244107	373994	6.14%	0.392%
48	12.511	910	912	915	rBV	4349963	5091559	83.63%	5.334%
49	12.557	915	916	919	rVV3	129481	236832	3.89%	0.248%
50	12.659	922	925	927	rBV	200816	316121	5.19%	0.331%
51	12.739	929	932	935	rBV	4115169	5714057	93.86%	5.986%
52	12.785	935	936	939	rVB2	295175	376191	6.18%	0.394%
53	12.854	940	942	943	rBV	366671	390482	6.41%	0.409%
54	12.888	943	945	948	rVB2	1595471	2183910	35.87%	2.288%
55	12.957	948	951	955	rBV3	473708	844254	13.87%	0.884%
56	13.059	957	960	962	rVB	798221	1489523	24.47%	1.560%
57	13.128	964	966	968	rVV	732131	738407	12.13%	0.773%
58	13.162	968	969	973	rVV2	587556	874294	14.36%	0.916%
59	13.254	976	977	979	rVV	305587	365928	6.01%	0.383%
60	13.288	979	980	982	rVV	457945	452663	7.44%	0.474%
61	13.334	982	984	990	rVB7	168071	472644	7.76%	0.495%
62	13.437	990	993	994	rBV	218534	328832	5.40%	0.344%
63	13.471	994	996	1001	rVB2	234489	577096	9.48%	0.605%
64	13.574	1001	1005	1007	rBV2	249372	590768	9.70%	0.619%
65	13.677	1012	1014	1016	rBV	268959	507984	8.34%	0.532%
66	13.711	1016	1017	1018	rVV	456875	379624	6.24%	0.398%
67	13.734	1018	1019	1022	rVB2	267848	403359	6.63%	0.423%
68	13.791	1022	1024	1027	rVB2	272373	439266	7.22%	0.460%
69	13.848	1027	1029	1033	rBV	89302	180623	2.97%	0.189%
70	13.928	1033	1036	1038	rBV2	2903542	4679124	76.86%	4.901%
71	13.962	1038	1039	1043	rVB	2610068	2282465	37.49%	2.391%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090882.D
Acq On : 27 Oct 2016 22:25
Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

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-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.042	1043	1046	1047	rBV2	335170	388909	6.39%	0.407%
73	14.111	1050	1052	1054	rBV3	115506	163023	2.68%	0.171%
74	14.317	1068	1070	1072	rVV	574028	736148	12.09%	0.771%
75	14.408	1076	1078	1080	rVB3	232111	361527	5.94%	0.379%
76	14.522	1085	1088	1091	rVB3	166278	321360	5.28%	0.337%
77	14.625	1095	1097	1098	rBV2	187801	251832	4.14%	0.264%
78	14.717	1102	1105	1108	rVB4	133796	354074	5.82%	0.371%
79	14.797	1110	1112	1116	rVB2	173325	280109	4.60%	0.293%
80	14.957	1123	1126	1130	rBV	2293565	4818578	79.15%	5.048%
81	15.048	1132	1134	1136	rVV	521964	528217	8.68%	0.553%
82	15.151	1139	1143	1145	rBV2	141684	387590	6.37%	0.406%
83	15.231	1148	1150	1153	rVB	1486246	1956078	32.13%	2.049%
84	15.288	1153	1155	1158	rBV	1832481	2814424	46.23%	2.948%
85	15.345	1158	1160	1162	rVV	759157	1210089	19.88%	1.268%
86	15.380	1162	1163	1166	rVB2	650713	696431	11.44%	0.730%
87	15.517	1173	1175	1176	rBV	87983	146151	2.40%	0.153%
88	15.745	1193	1195	1197	rBV	94384	192127	3.16%	0.201%
89	15.791	1197	1199	1201	rBV2	101025	146896	2.41%	0.154%
90	15.860	1204	1205	1210	rVB2	129644	225038	3.70%	0.236%
91	16.534	1260	1264	1269	rBV3	152248	577231	9.48%	0.605%
92	16.706	1276	1279	1283	rVB2	884047	1791737	29.43%	1.877%
93	16.774	1283	1285	1290	rVB	83948	205988	3.38%	0.216%
94	16.866	1290	1293	1295	rBV	214590	433142	7.11%	0.454%
95	16.923	1295	1298	1301	rVB2	139366	231942	3.81%	0.243%
96	17.117	1311	1315	1323	rBV	746334	1586359	26.06%	1.662%
97	17.334	1330	1334	1341	rVB2	223801	563527	9.26%	0.590%
98	18.180	1405	1408	1415	rVB4	66886	248867	4.09%	0.261%
99	19.174	1489	1495	1503	rVB	139477	609868	10.02%	0.639%
100	19.346	1504	1510	1514	rBV	103362	412692	6.78%	0.432%

Sum of corrected areas: 95463674

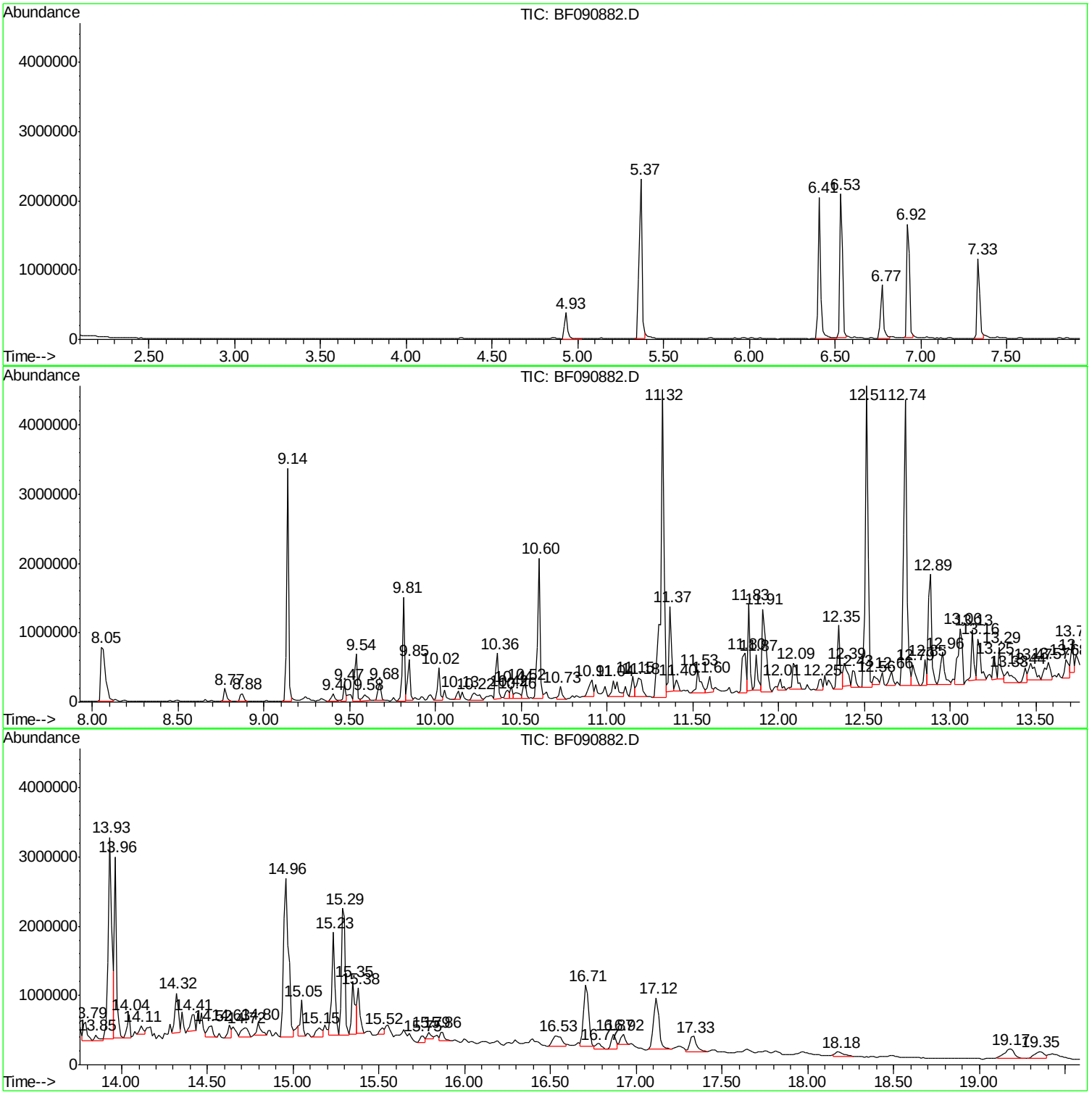
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090882.D
Acq On : 27 Oct 2016 22:25
Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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\BF102716\
Data File : BF090882.D
Acq On : 27 Oct 2016 22:25
Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

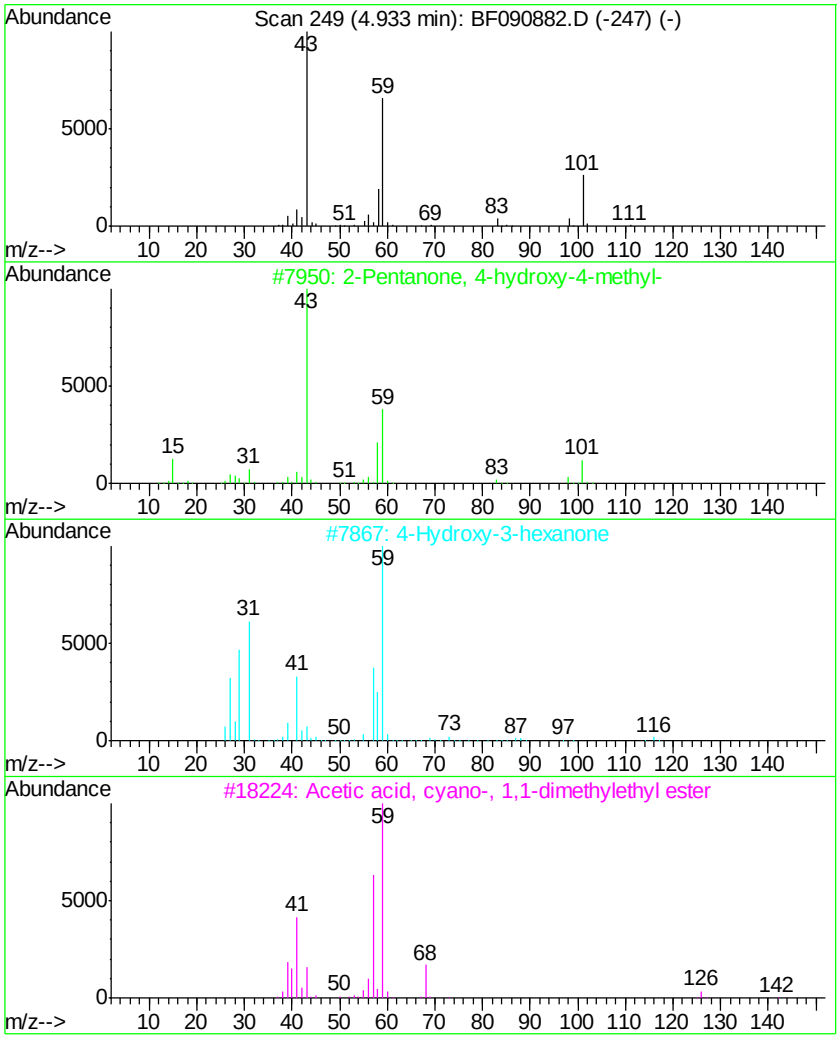
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

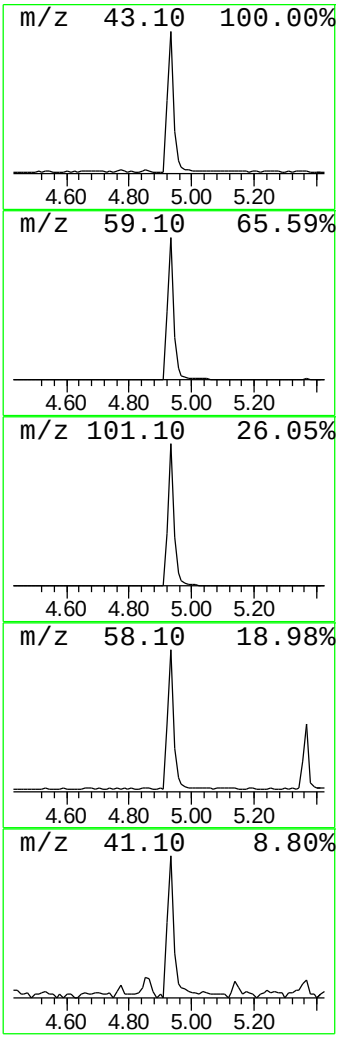
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	12.80 ng	507265	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	23
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090882.D
Acq On : 27 Oct 2016 22:25
Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

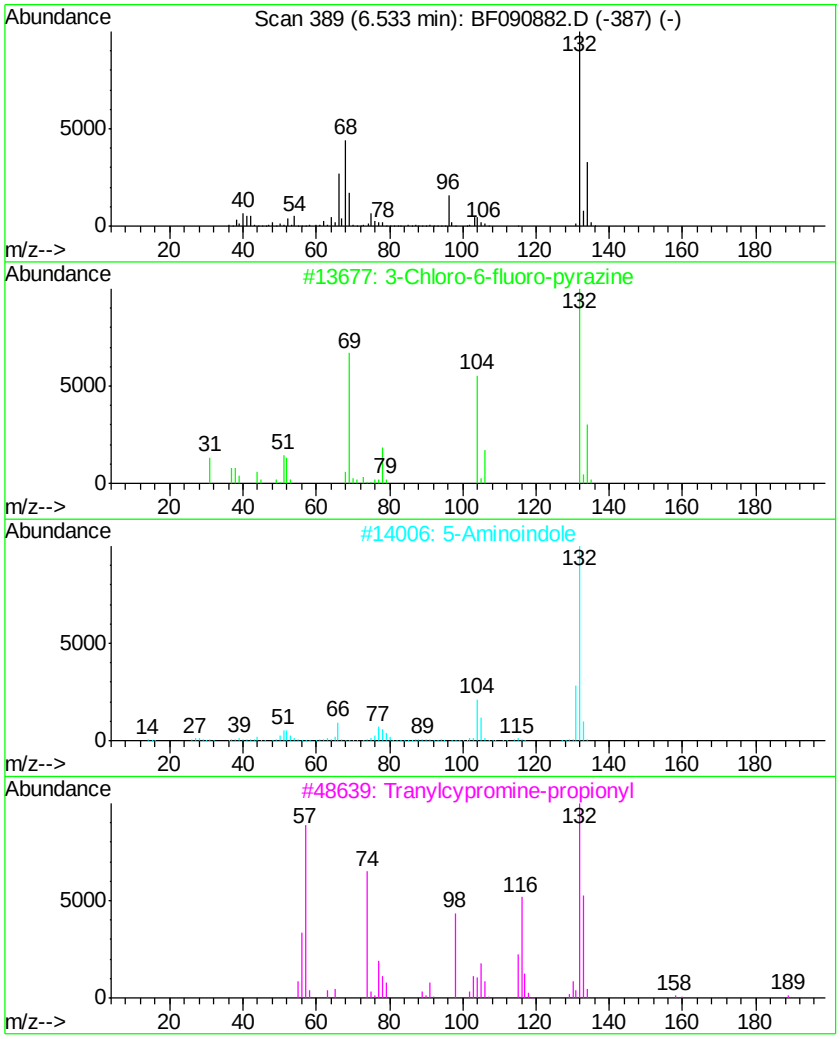
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

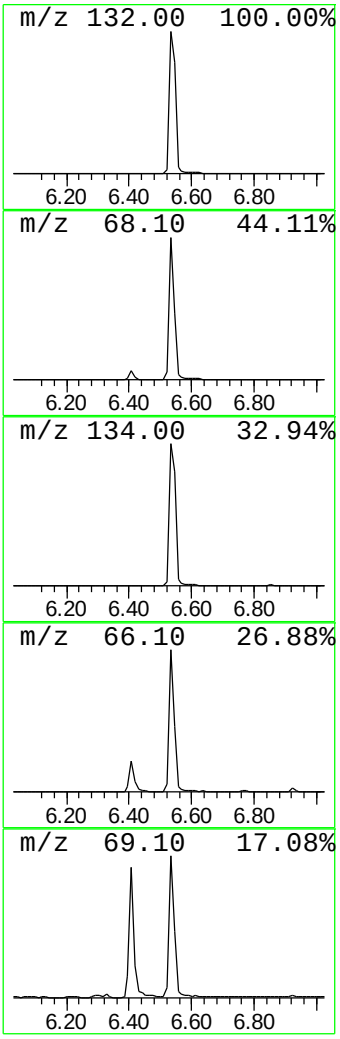
****

Peak Number 2 unknown6.53 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	61.52 ng	2438370	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090882.D
Acq On : 27 Oct 2016 22:25
Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

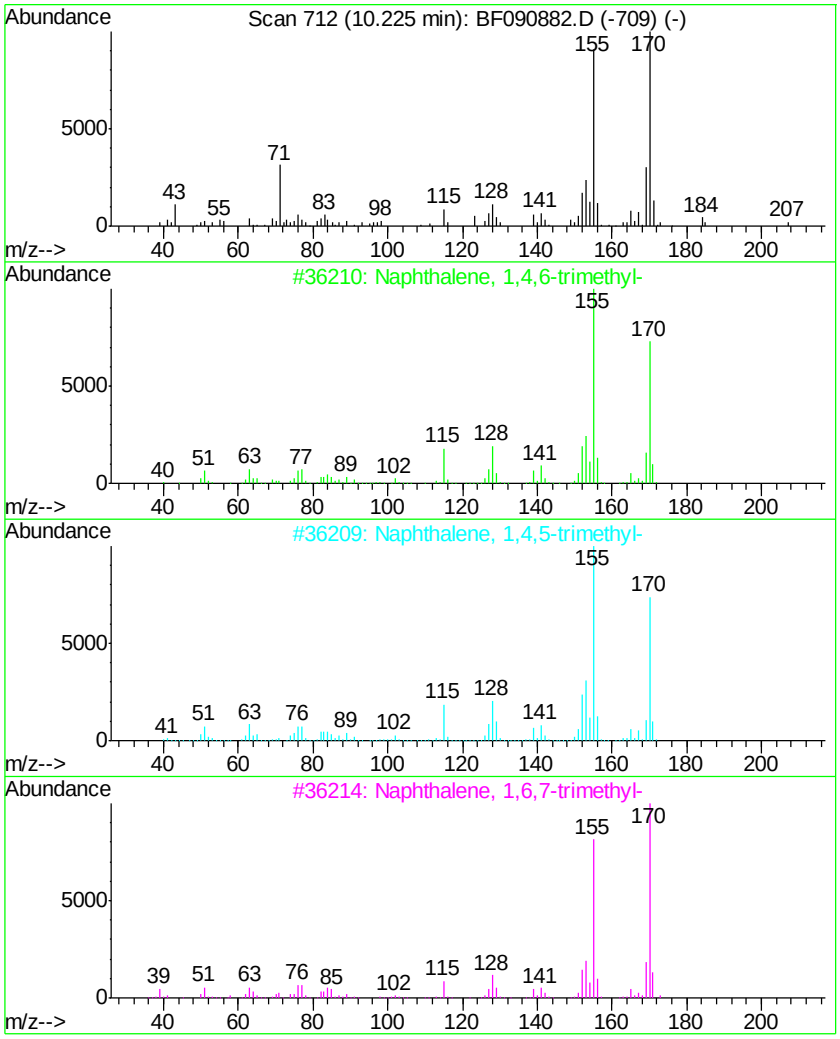
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

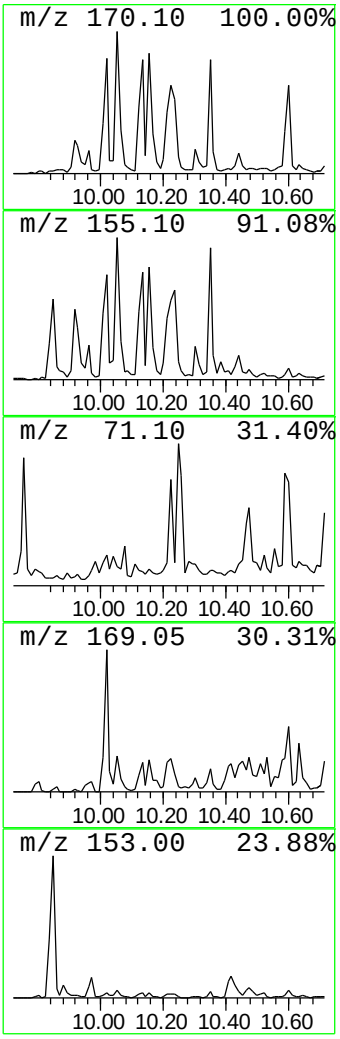
****

Peak Number 4 Naphthalene, 1,4,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	4.30 ng	293746	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090882.D
Acq On : 27 Oct 2016 22:25
Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

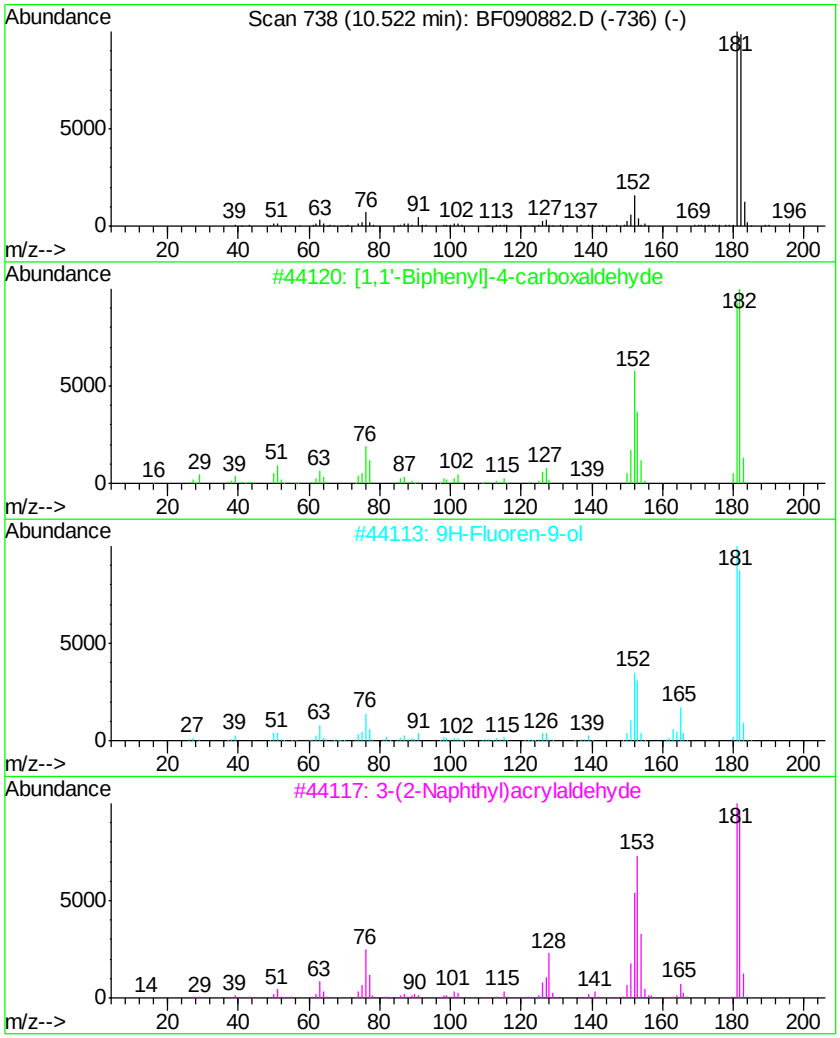
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

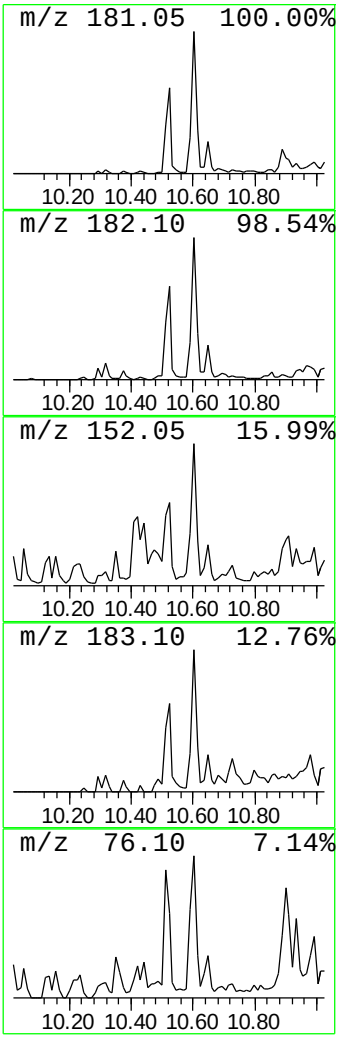
****

Peak Number 5 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	4.28 ng	292086	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	64
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090882.D
Acq On : 27 Oct 2016 22:25
Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

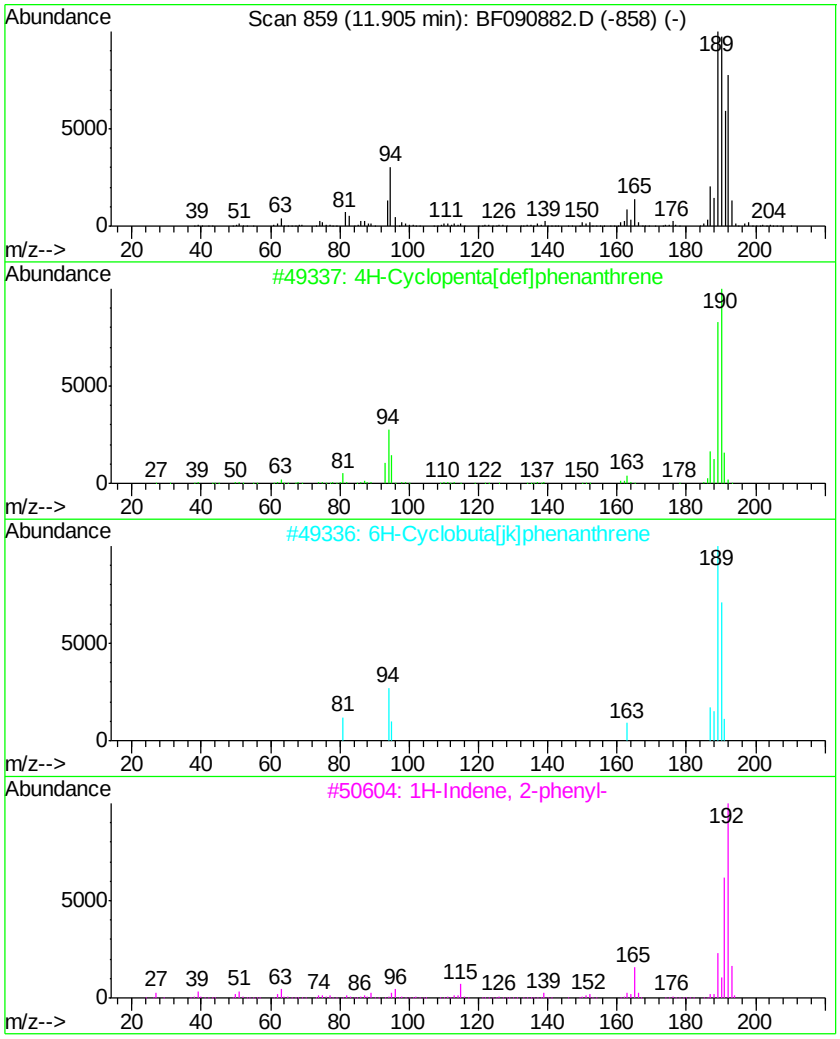
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

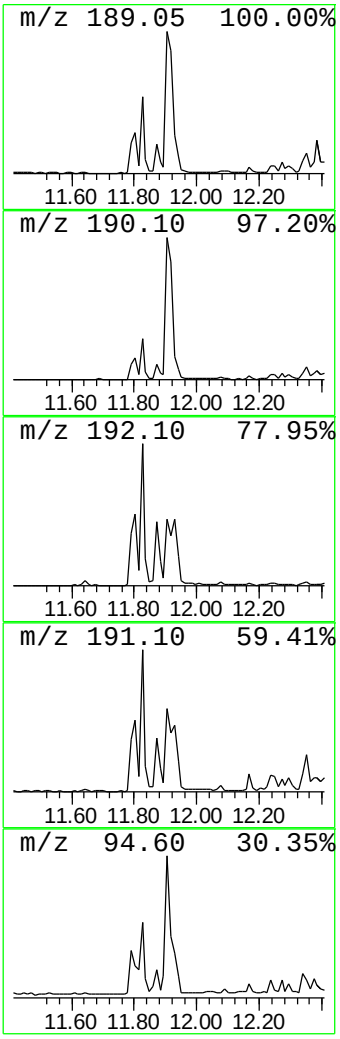
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	6.62 ng	2014060	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





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Data File : BF090882.D
Acq On : 27 Oct 2016 22:25
Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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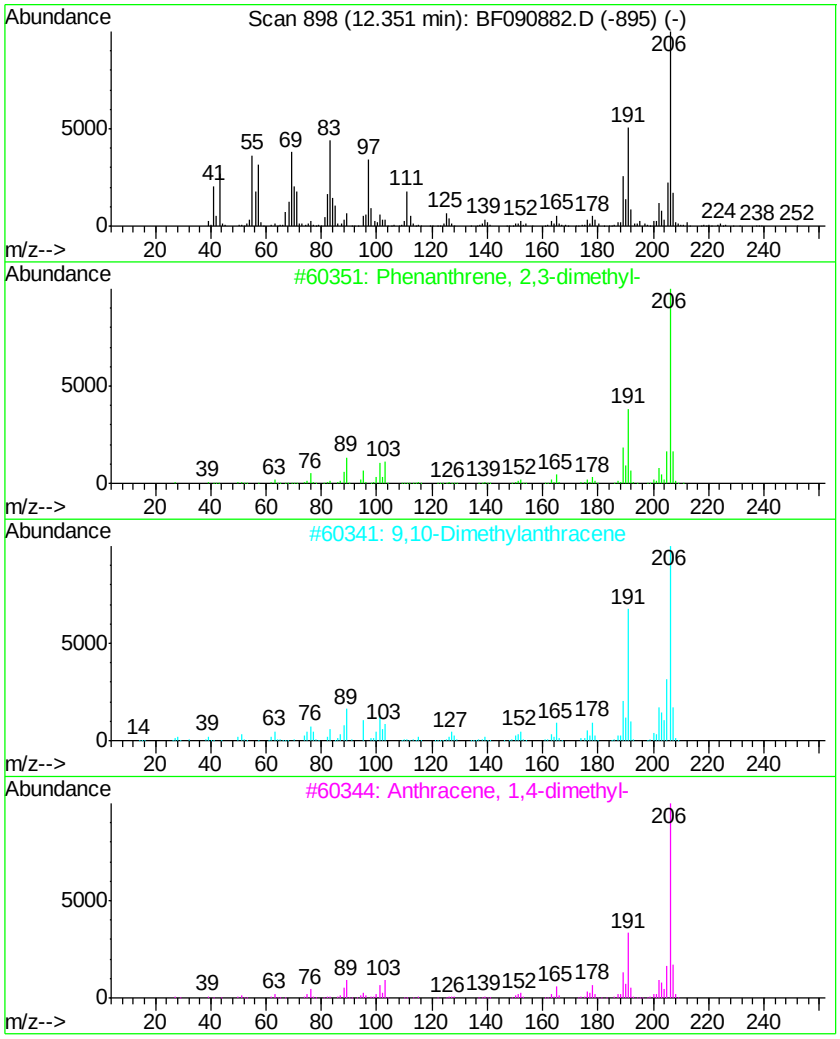
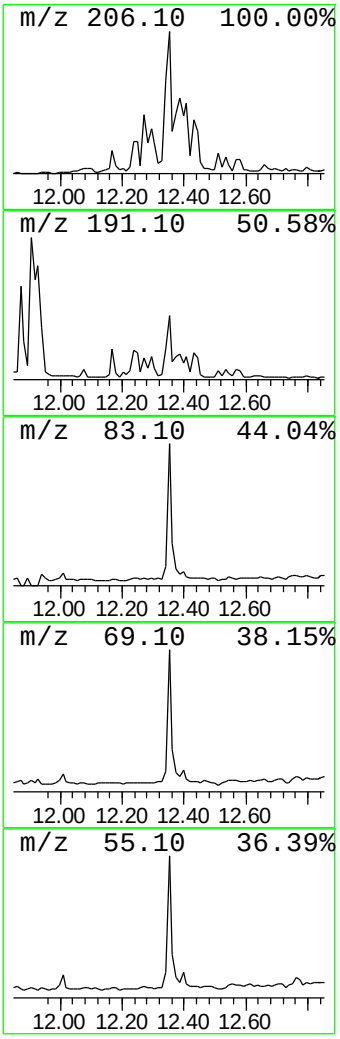
Peak Number 7 Phenanthrene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	3.96 ng	1205090	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	70
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	70
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64





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Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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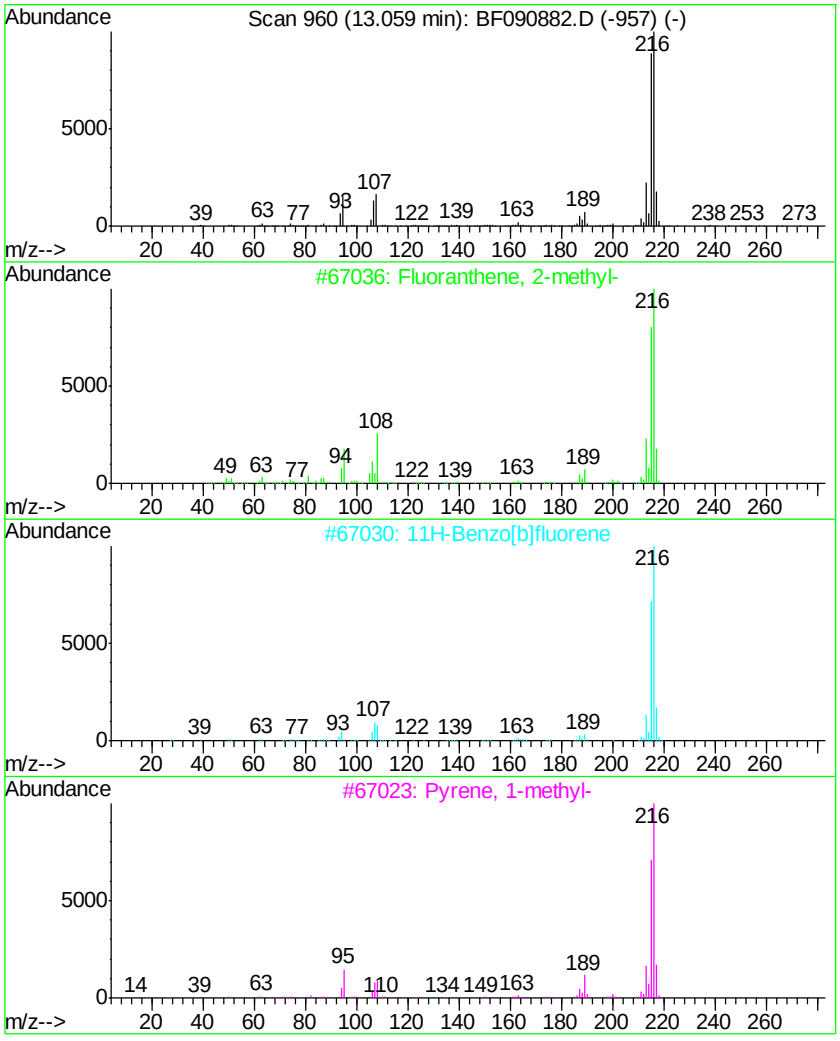
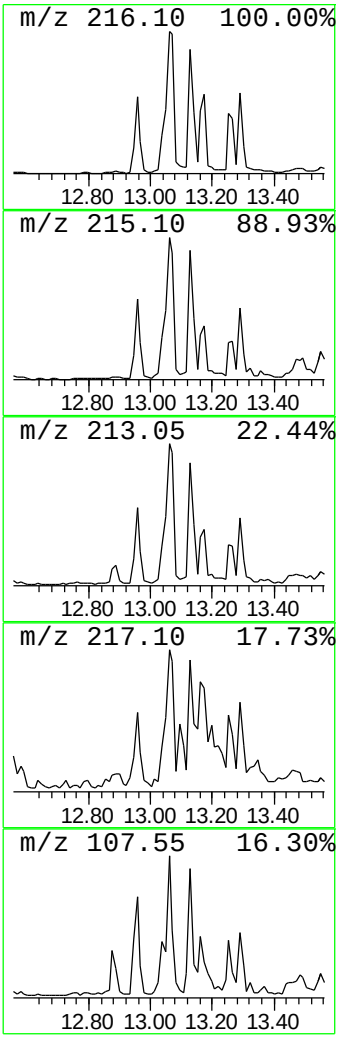
Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	6.37 ng	1489520	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Data File : BF090882.D
Acq On : 27 Oct 2016 22:25
Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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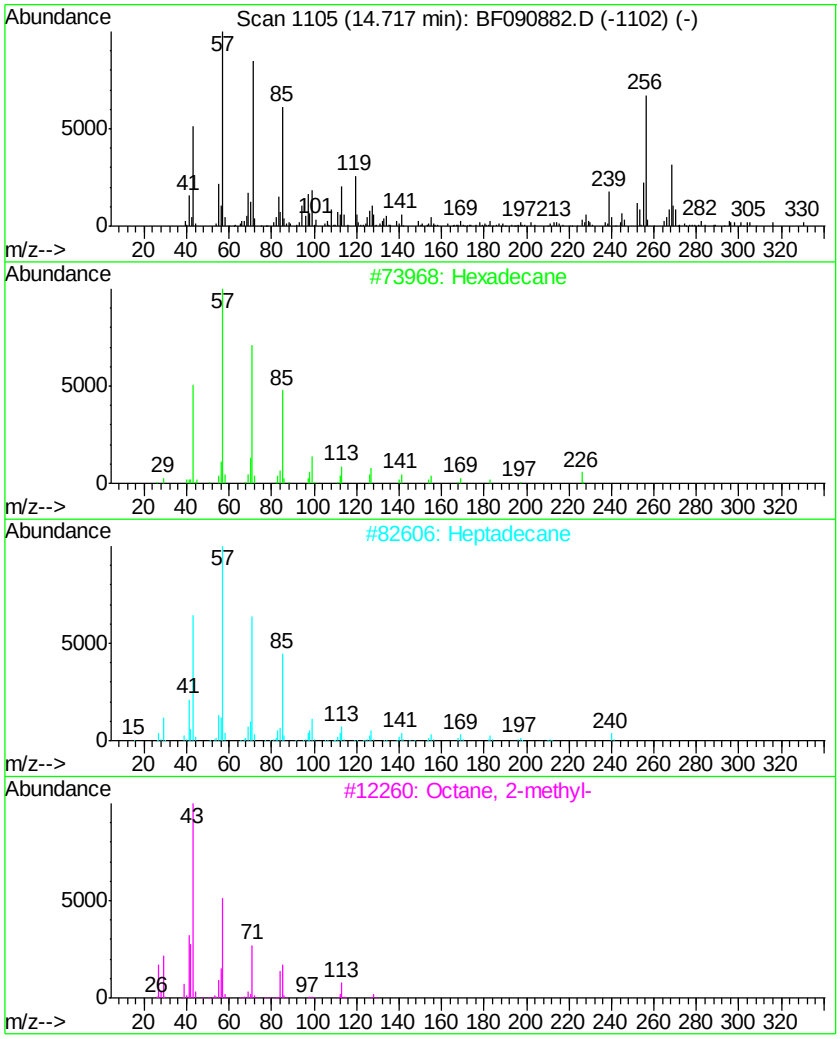
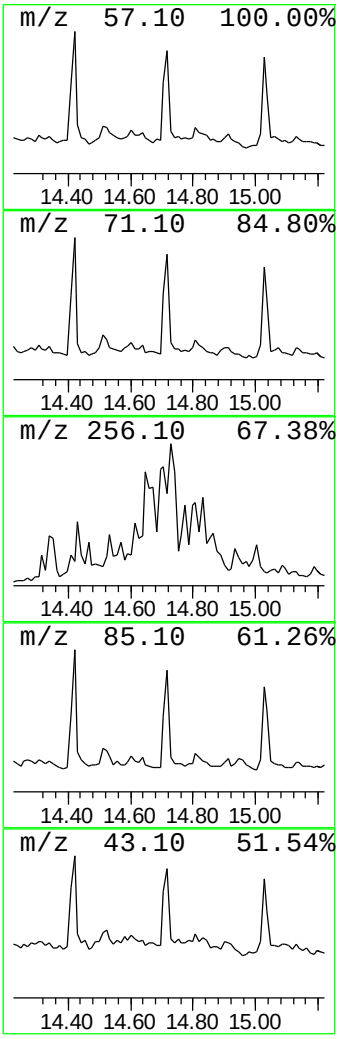
Peak Number 9 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	5.85 ng	354074	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Heptadecane	240	C17H36	000629-78-7	86
3	Octane, 2-methyl-	128	C9H20	003221-61-2	43
4	Heptacosane	380	C27H56	000593-49-7	43
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	43





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Acq On : 27 Oct 2016 22:25
Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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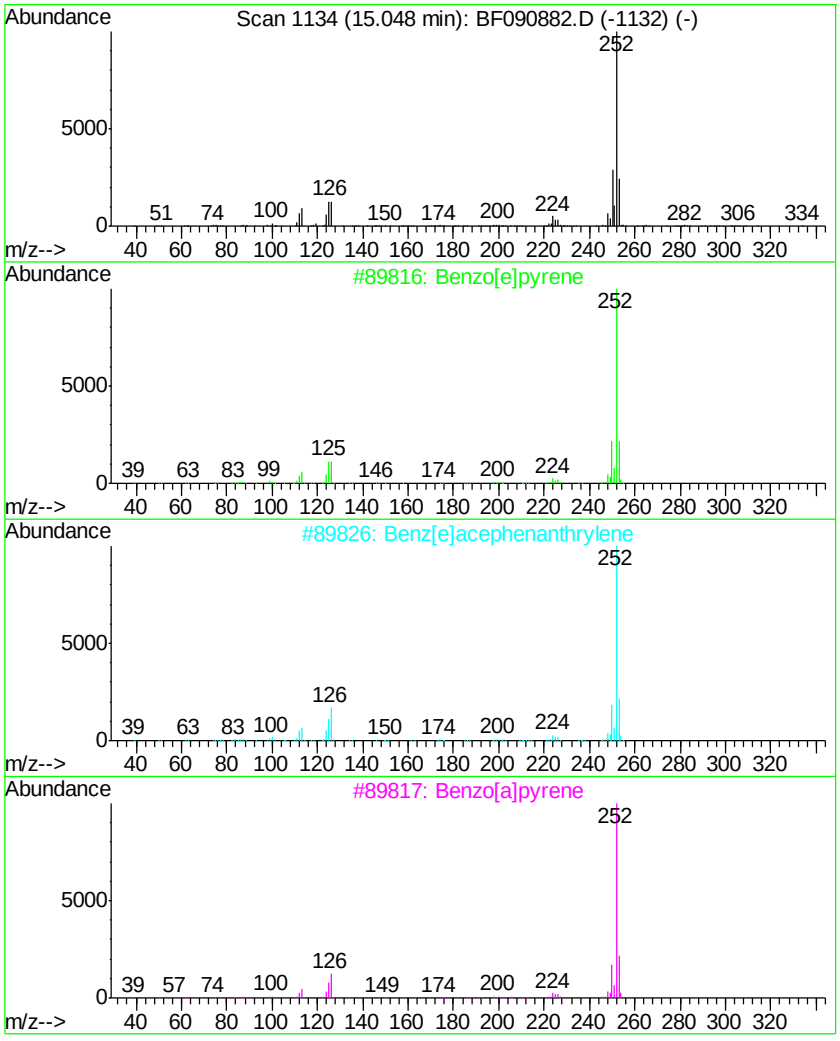
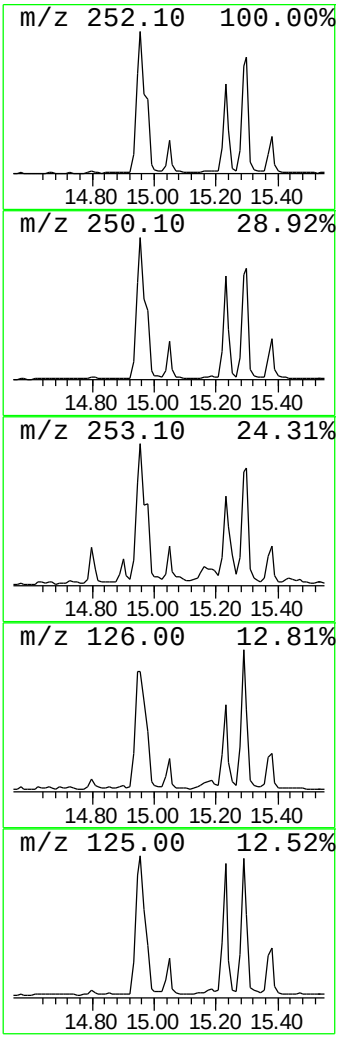
Peak Number 11 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	8.73 ng	528217	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	87





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Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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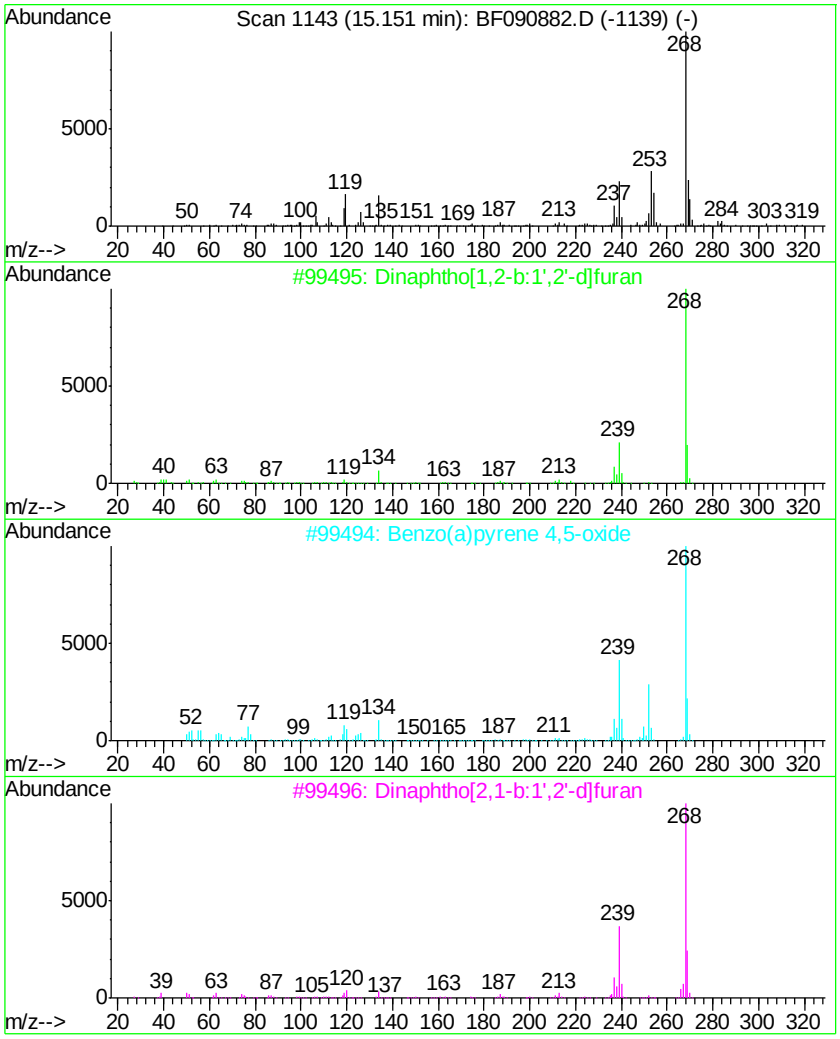
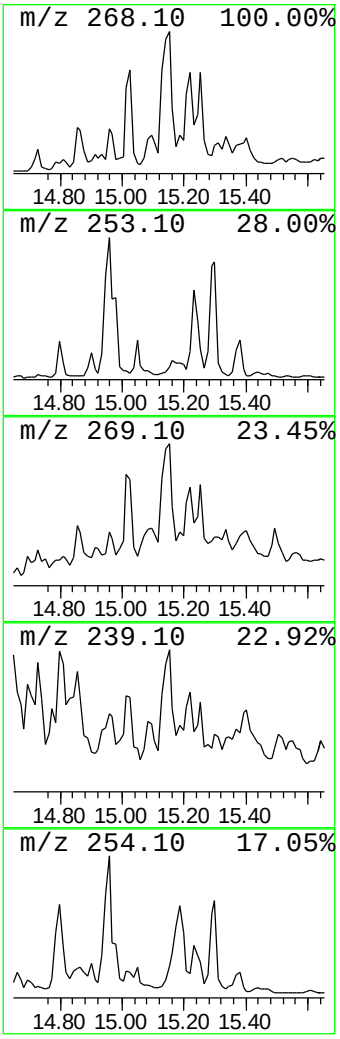
Peak Number 12 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	6.41 ng	387590	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	94
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	76
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
4	trans-4,4'-Dimethoxychalcone	268	C17H16O3	041564-67-4	59
5	trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	59





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Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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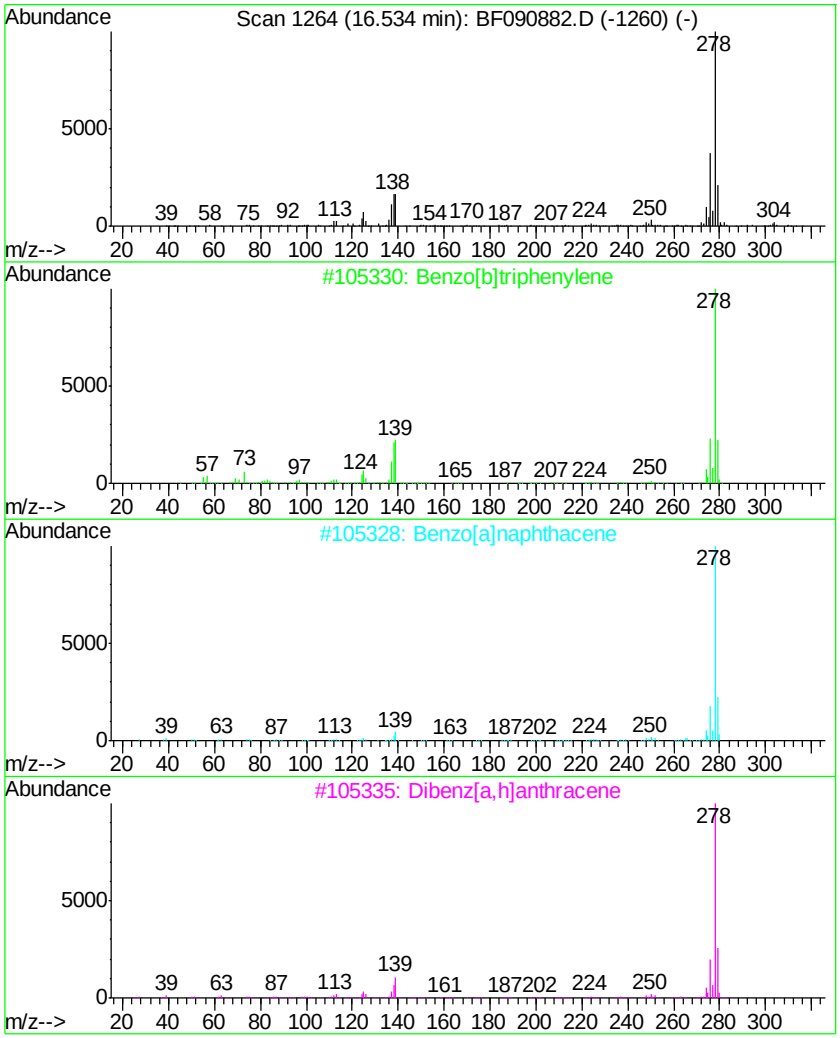
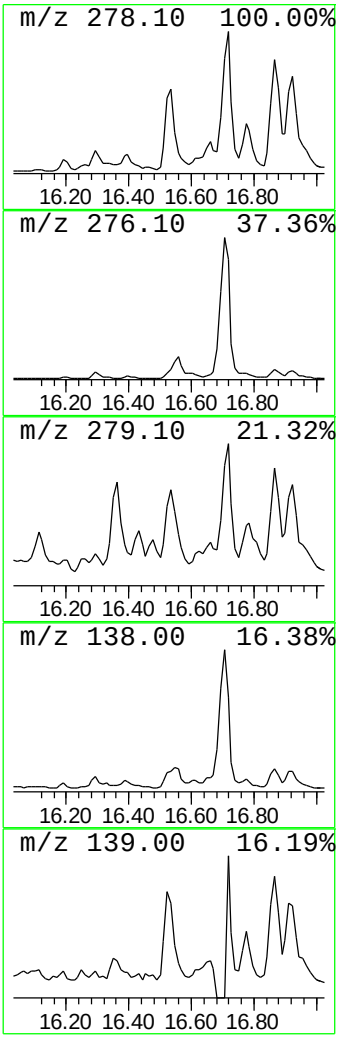
Peak Number 14 Benzo[b]triphenylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	9.54 ng	577231	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	Benzo[a]naphthacene	278	C22H14	000226-88-0	89
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
4	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	70
5	Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	64





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Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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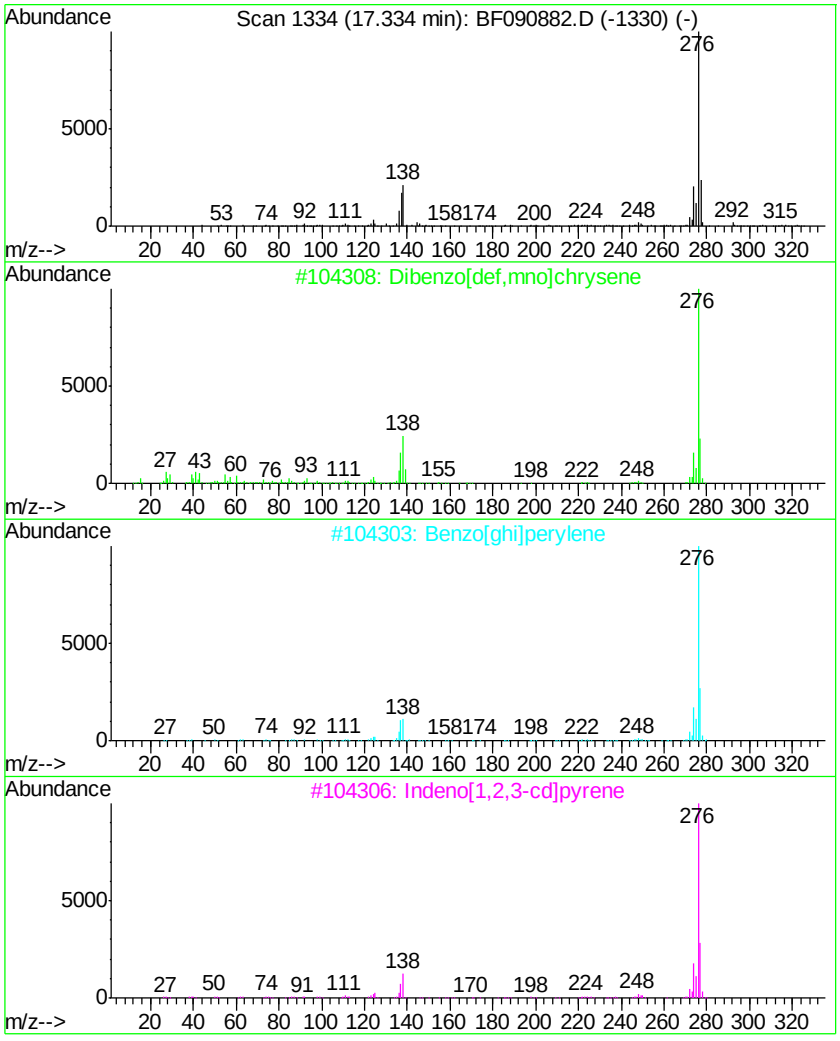
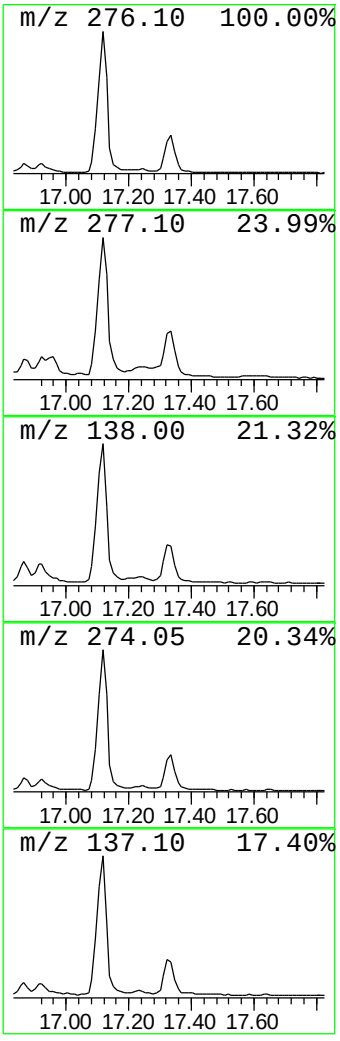
Peak Number 17 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.33	9.31 ng	563527	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	50





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Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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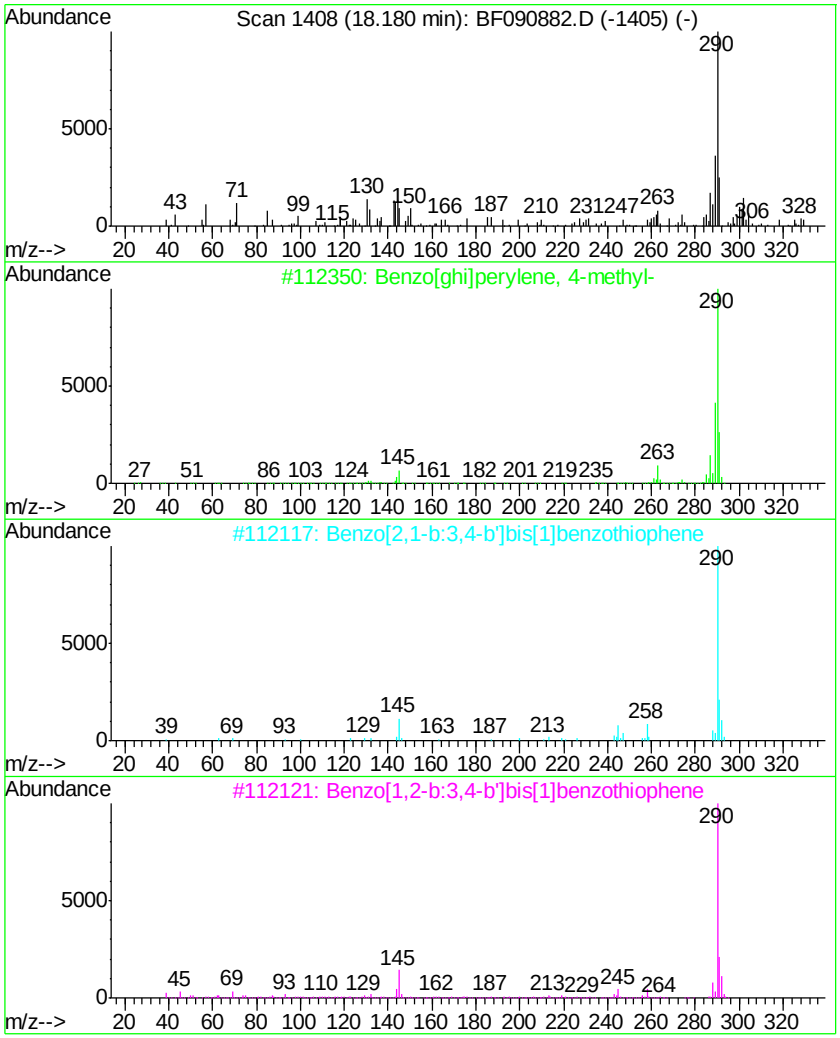
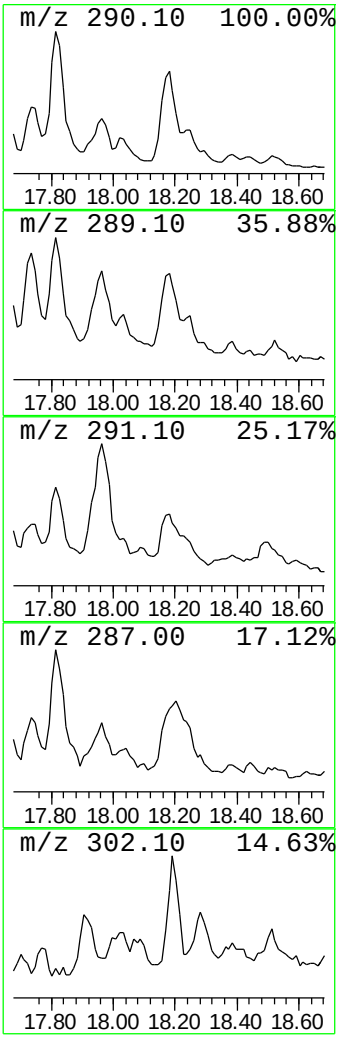
Peak Number 18 Benzo[ghi]perylene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	4.11 ng	248867	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene, 4-methyl-	290	C23H14	019224-38-5	62
2	Benzo[2,1-b:3,4-b']bis[1]benzoth...	290	C18H10S2	000222-24-2	50
3	Benzo[1,2-b:3,4-b']bis[1]benzoth...	290	C18H10S2	000198-89-0	50
4	Ferrocene, benzoyl-	290	C17H14FeO	001272-44-2	50
5	2-Hydroxy-4-phenyl-6-phenacylpyr...	290	C18H14N2O2	050324-21-5	50





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Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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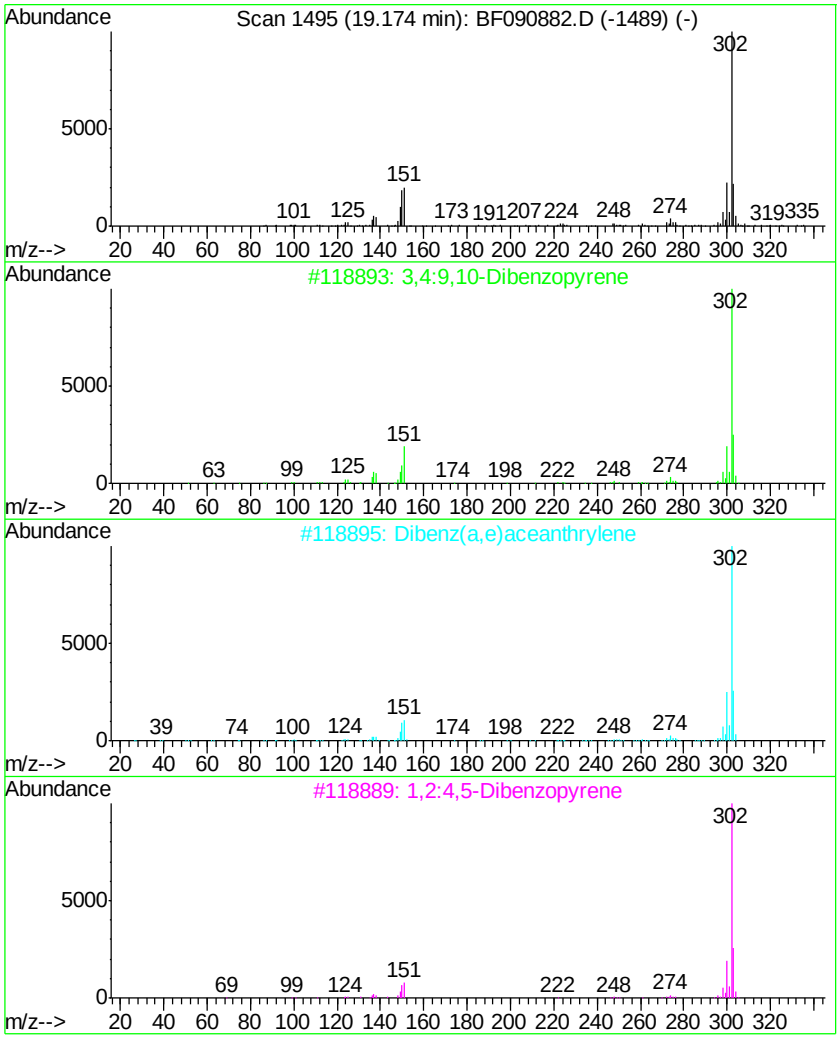
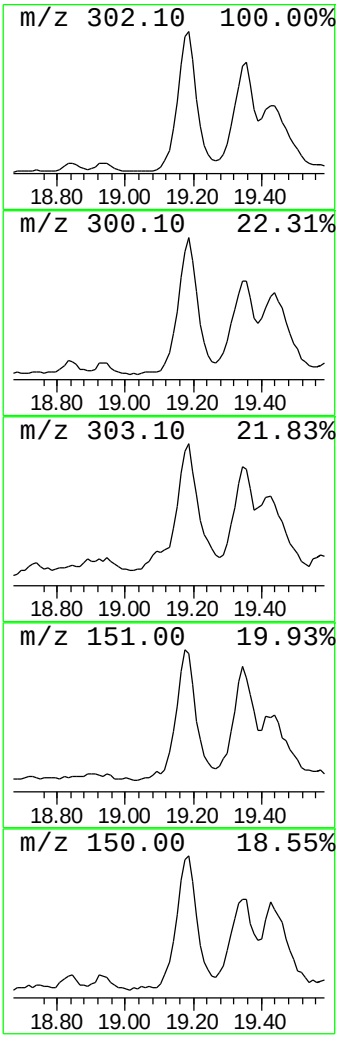
Peak Number 19 3,4:9,10-Dibenzopyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	10.08 ng	609868	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	99
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	98
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	98
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	97
5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	89





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Data File : BF090882.D
Acq On : 27 Oct 2016 22:25
Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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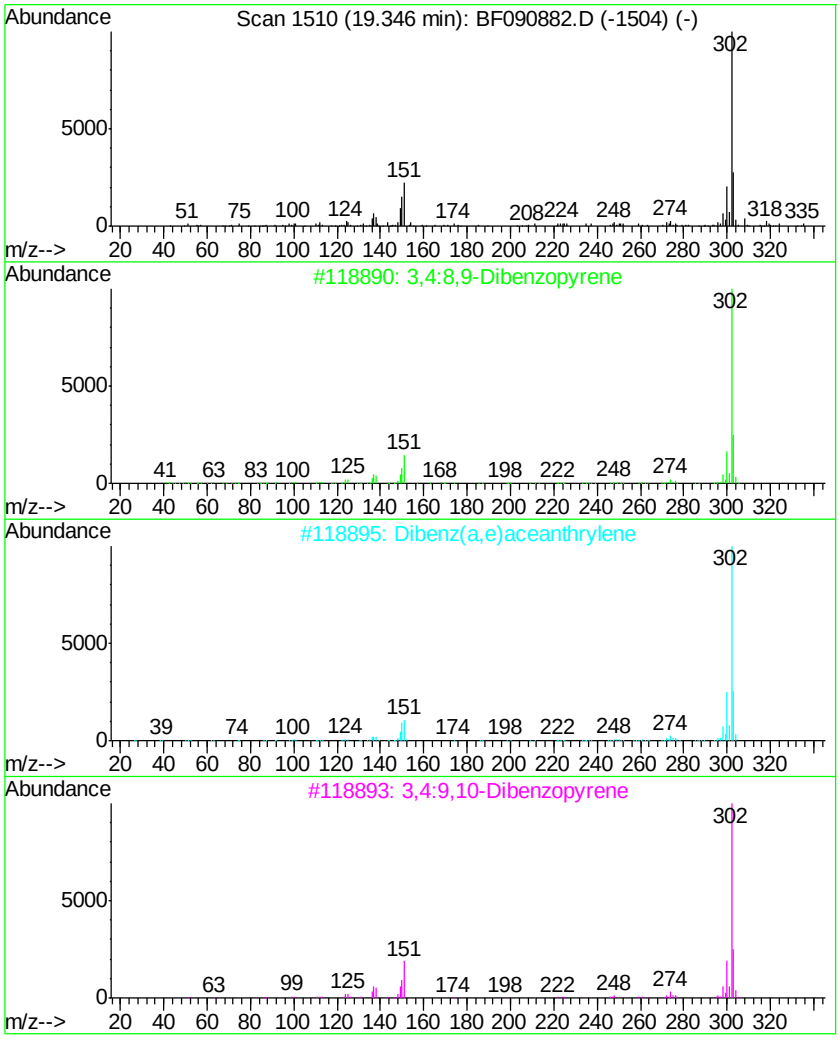
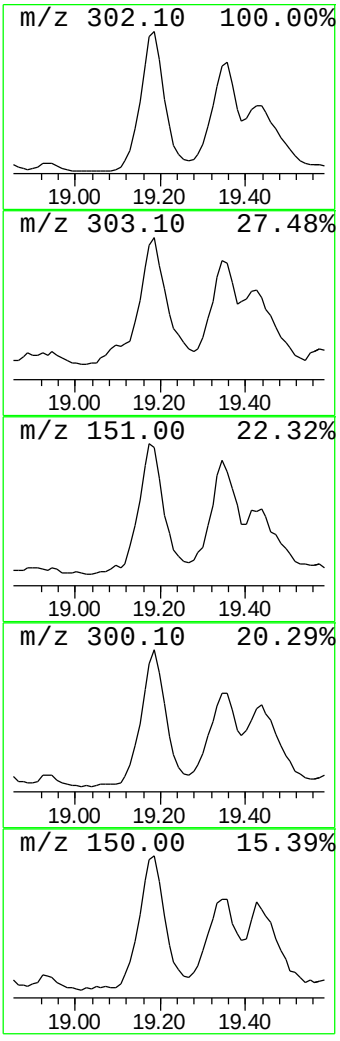
Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	6.82 ng	412692	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	97
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
3	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	94
4	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102716\
Data File : BF090882.D
Acq On : 27 Oct 2016 22:25
Operator : UM/SJ
Sample : H5411-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-5.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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...	4.93	12.8	ng	507265	1	6.77	792691	20.0
unknown6.53	6.53	61.5	ng	2438370	1	6.77	792691	20.0
Naphthalene, 1,4,...	10.22	4.3	ng	293746	3	9.81	1365280	20.0
[1,1'-Biphenyl]-4...	10.52	4.3	ng	292086	3	9.81	1365280	20.0
4H-Cyclopenta[def...	11.91	6.6	ng	2014060	4	11.30	6088030	20.0
Phenanthrene, 2,3...	12.35	4.0	ng	1205090	4	11.30	6088030	20.0
Fluoranthene, 2-m...	13.06	6.4	ng	1489520	5	13.94	4679120	20.0
Hexadecane	14.72	5.8	ng	354074	6	15.35	1210090	20.0
Benzo[e]pyrene	15.05	8.7	ng	528217	6	15.35	1210090	20.0
Dinaphtho[1,2-b:1...	15.15	6.4	ng	387590	6	15.35	1210090	20.0
Benzo[b]triphenylene	16.53	9.5	ng	577231	6	15.35	1210090	20.0
Dibenzo[def,mno]c...	17.33	9.3	ng	563527	6	15.35	1210090	20.0
Benzo[ghi]perylen...	18.18	4.1	ng	248867	6	15.35	1210090	20.0
3,4:9,10-Dibenzop...	19.17	10.1	ng	609868	6	15.35	1210090	20.0
3,4:8,9-Dibenzopy...	19.35	6.8	ng	412692	6	15.35	1210090	20.0