LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
Data File : BF089191.D
Acq On : 22 Jul 2016 12:11
Operator : UM/SJ
Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

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-BF072016.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	1.724	10	12	44	rVB	737357	1683652	33.51%	2.623%
2	5.176	312	314	339	rBV	842772	1065519	21.21%	1.660%
3	6.250	406	408	415	rBV	899456	1138401	22.66%	1.774%
4	6.365	415	418	436	rVB	792361	1200303	23.89%	1.870%
5	6.593	436	438	449	rBV	226988	282011	5.61%	0.439%
6	6.742	449	451	459	rBV	788892	794479	15.81%	1.238%
7	7.165	485	488	497	rBV	557757	732040	14.57%	1.141%
8	7.873	548	550	561	rBV2	433352	591394	11.77%	0.921%
9	8.685	618	621	623	rBV	114474	109636	2.18%	0.171%
10	8.948	642	644	647	rBV	841046	984576	19.59%	1.534%
11	9.279	671	673	675	rBV	135492	169376	3.37%	0.264%
12	9.348	677	679	682	rVV	313947	351568	7.00%	0.548%
13	9.473	688	690	693	rBV	114817	147878	2.94%	0.230%
14	9.622	700	703	704	rBV2	384746	463783	9.23%	0.723%
15	9.645	704	705	708	rVV	389462	562354	11.19%	0.876%
16	9.828	718	721	723	rBV	218084	291938	5.81%	0.455%
17	10.022	736	738	741	rBV2	59191	120937	2.41%	0.188%
18	10.159	748	750	753	rBV	400070	407569	8.11%	0.635%
19	10.228	753	756	759	rBV2	111861	209174	4.16%	0.326%
20	10.319	763	764	767	rVB	184837	182630	3.63%	0.285%
21	10.399	769	771	774	rBV	532604	785400	15.63%	1.224%
22	10.536	781	783	786	rVB2	74152	116463	2.32%	0.181%
23	10.708	794	798	799	rBV	123824	208378	4.15%	0.325%
24	10.856	807	811	814	rBV3	119222	316691	6.30%	0.493%
25	10.902	814	815	818	rVB	173565	195337	3.89%	0.304%
26	10.948	818	819	821	rBV	160303	226230	4.50%	0.352%
27	10.994	821	823	827	rVB	214480	331838	6.60%	0.517%
28	11.131	830	835	837	rBV	2796536	4430899	88.18%	6.904%
29	11.176	837	839	841	rVV	931692	895020	17.81%	1.395%
30	11.336	849	853	856	rBV2	183644	381173	7.59%	0.594%
31	11.394	856	858	860	rVV2	134654	147080	2.93%	0.229%
32	11.599	873	876	877	rBV	485501	588481	11.71%	0.917%
33	11.622	877	878	881	rVB	664813	632576	12.59%	0.986%
34	11.668	881	882	884	rBV	216360	246947	4.91%	0.385%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
Data File : BF089191.D
Acq On : 22 Jul 2016 12:11
Operator : UM/SJ
Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

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-BF072016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.702	884	885	890	rVB2	807811	1336086	26.59%	2.082%
36	11.885	900	901	903	rBV	318906	395161	7.86%	0.616%
37	11.919	903	904	906	rVB	269602	241855	4.81%	0.377%
38	12.034	912	914	916	rBV	160346	205888	4.10%	0.321%
39	12.148	921	924	925	rBV	263122	394216	7.85%	0.614%
40	12.182	925	927	930	rVB2	164648	306717	6.10%	0.478%
41	12.239	930	932	935	rVB	306759	385440	7.67%	0.601%
42	12.319	935	939	941	rBV	3086131	4582036	91.19%	7.139%
43	12.365	941	943	948	rVB3	133875	311516	6.20%	0.485%
44	12.445	948	950	952	rBV2	229926	309260	6.15%	0.482%
45	12.548	955	959	961	rVV	2919296	5024687	100.00%	7.829%
46	12.582	961	962	966	rVB2	224046	253228	5.04%	0.395%
47	12.651	966	968	969	rBV	259362	288293	5.74%	0.449%
48	12.674	969	970	974	rVB2	605050	820256	16.32%	1.278%
49	12.754	974	977	980	rBV3	304847	593463	11.81%	0.925%
50	12.857	980	986	988	rVB2	461523	846022	16.84%	1.318%
51	12.925	988	992	993	rBV	206721	282550	5.62%	0.440%
52	12.959	993	995	999	rBV2	499718	677795	13.49%	1.056%
53	13.051	1001	1003	1004	rBV	256333	244093	4.86%	0.380%
54	13.074	1004	1005	1010	rVB2	216594	353673	7.04%	0.551%
55	13.154	1010	1012	1015	rVB4	124477	204756	4.08%	0.319%
56	13.279	1017	1023	1027	rBV2	139239	409927	8.16%	0.639%
57	13.360	1027	1030	1034	rBV	327843	519404	10.34%	0.809%
58	13.474	1037	1040	1041	rBV	326486	543103	10.81%	0.846%
59	13.497	1041	1042	1043	rVV	354944	306678	6.10%	0.478%
60	13.520	1043	1044	1047	rVB2	286094	388177	7.73%	0.605%
61	13.577	1047	1049	1052	rVB	342223	347723	6.92%	0.542%
62	13.634	1052	1054	1056	rVB	80964	107227	2.13%	0.167%
63	13.725	1058	1062	1063	rBV	1506153	2967824	59.06%	4.624%
64	13.760	1063	1065	1068	rVB	1774873	2172086	43.23%	3.384%
65	13.828	1068	1071	1073	rBV	323654	302790	6.03%	0.472%
66	13.931	1073	1080	1081	rBV6	98174	292123	5.81%	0.455%
67	14.068	1091	1092	1093	rBV	117635	100975	2.01%	0.157%
68	14.102	1093	1095	1097	rVV	361836	485918	9.67%	0.757%
69	14.137	1097	1098	1100	rVV	217402	198519	3.95%	0.309%
70	14.194	1100	1103	1105	rVV4	160226	278414	5.54%	0.434%
71	14.228	1105	1106	1109	rVV2	201916	313295	6.24%	0.488%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
Data File : BF089191.D
Acq On : 22 Jul 2016 12:11
Operator : UM/SJ
Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

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-BF072016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.297	1111	1112	1115	rVB	143636	169065	3.36%	0.263%
73	14.411	1120	1122	1127	rBV4	157546	332630	6.62%	0.518%
74	14.502	1127	1130	1132	rVB4	85851	165393	3.29%	0.258%
75	14.571	1135	1136	1139	rBV2	174327	246435	4.90%	0.384%
76	14.662	1142	1144	1146	rBV2	57290	101475	2.02%	0.158%
77	14.731	1146	1150	1155	rBV	1525455	3692044	73.48%	5.753%
78	14.811	1155	1157	1158	rVB	255808	318077	6.33%	0.496%
79	14.903	1161	1165	1166	rBV2	87481	252715	5.03%	0.394%
80	14.983	1168	1172	1174	rVV	850821	1535379	30.56%	2.392%
81	15.040	1174	1177	1179	rVV	1387038	1972578	39.26%	3.073%
82	15.108	1179	1183	1186	rVB3	545196	939416	18.70%	1.464%
83	15.223	1191	1193	1194	rVV	102357	170837	3.40%	0.266%
84	15.257	1194	1196	1198	rVV2	97106	199690	3.97%	0.311%
85	15.337	1201	1203	1205	rVV2	94607	177035	3.52%	0.276%
86	15.440	1209	1212	1214	rBV	56532	100348	2.00%	0.156%
87	15.543	1219	1221	1226	rVB2	87523	119183	2.37%	0.186%
88	15.943	1252	1256	1258	rBV2	45702	137993	2.75%	0.215%
89	15.988	1258	1260	1263	rBV2	46828	126482	2.52%	0.197%
90	16.137	1270	1273	1274	rBV2	95925	174046	3.46%	0.271%
91	16.320	1283	1289	1292	rBV	618720	1414818	28.16%	2.204%
92	16.446	1297	1300	1302	rBV	148931	287866	5.73%	0.449%
93	16.491	1302	1304	1307	rVB2	84247	159333	3.17%	0.248%
94	16.686	1316	1321	1326	rBV	478732	1103984	21.97%	1.720%
95	16.868	1334	1337	1343	rVB2	138242	343189	6.83%	0.535%
96	17.623	1400	1403	1414	rVB5	31802	148123	2.95%	0.231%
97	18.526	1476	1482	1489	rBV2	103858	366932	7.30%	0.572%
98	18.686	1490	1496	1499	rVV	69609	253763	5.05%	0.395%
99	18.754	1499	1502	1513	rVB	57578	241152	4.80%	0.376%
100	19.474	1558	1565	1567	rBV	37384	147469	2.93%	0.230%

Sum of corrected areas: 64180355

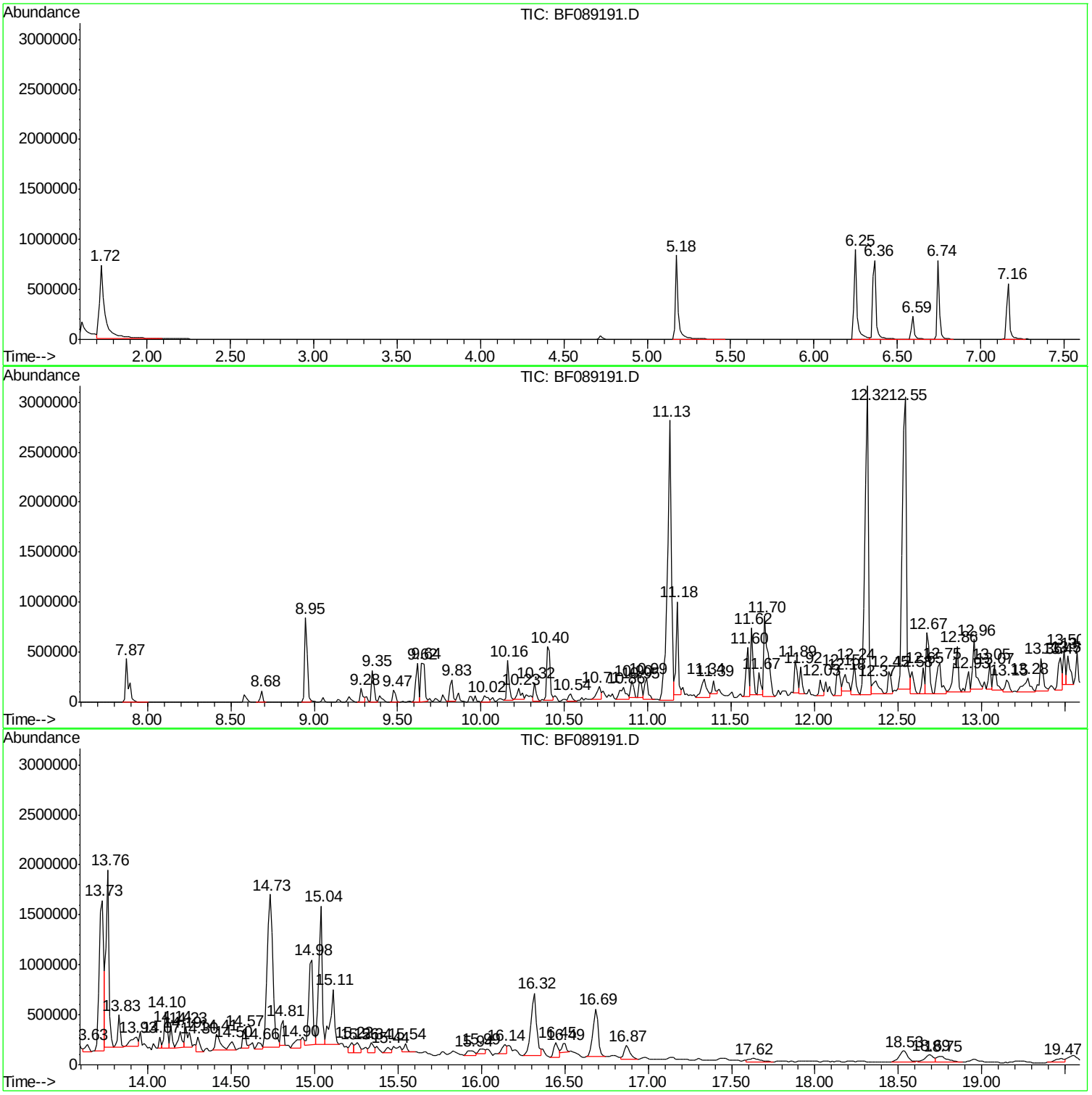
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
Data File : BF089191.D
Acq On : 22 Jul 2016 12:11
Operator : UM/SJ
Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
Data File : BF089191.D
Acq On : 22 Jul 2016 12:11
Operator : UM/SJ
Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

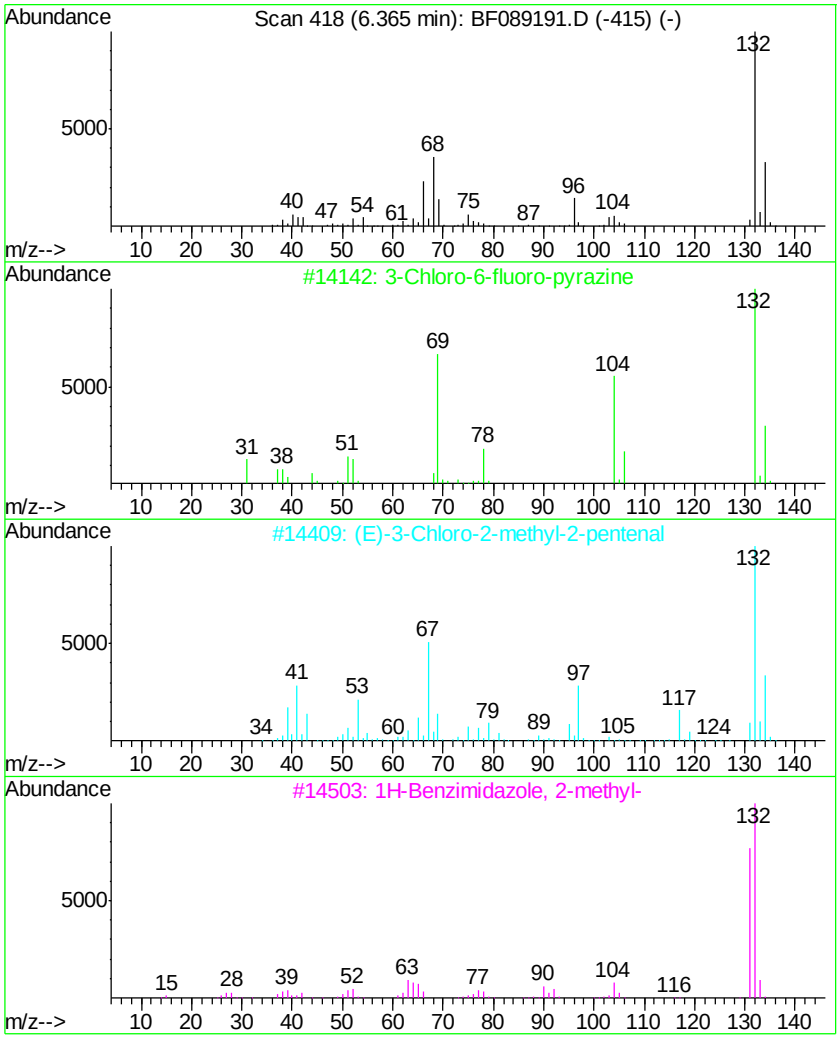
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

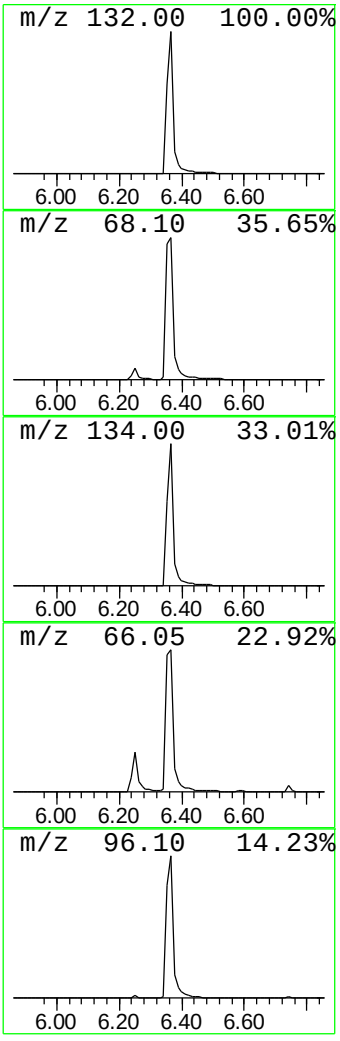
****

Peak Number 2 unknown6.36 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	85.12 ng	1200300	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
Data File : BF089191.D
Acq On : 22 Jul 2016 12:11
Operator : UM/SJ
Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

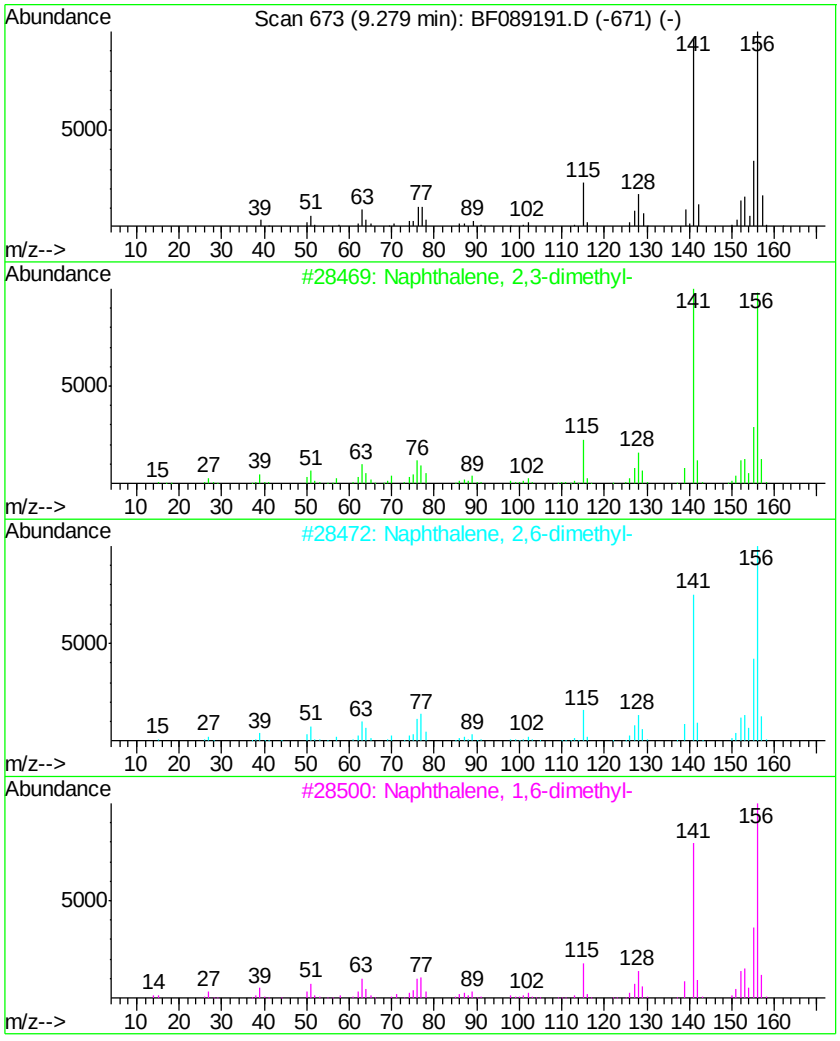
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

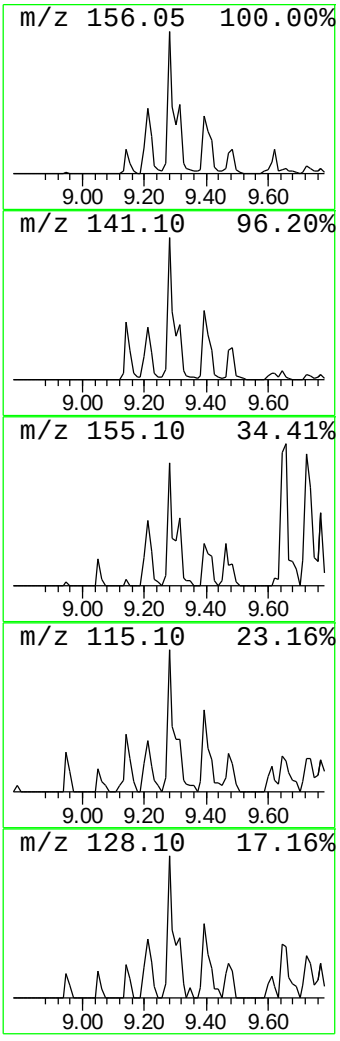
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	7.30 ng	169376	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
Data File : BF089191.D
Acq On : 22 Jul 2016 12:11
Operator : UM/SJ
Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

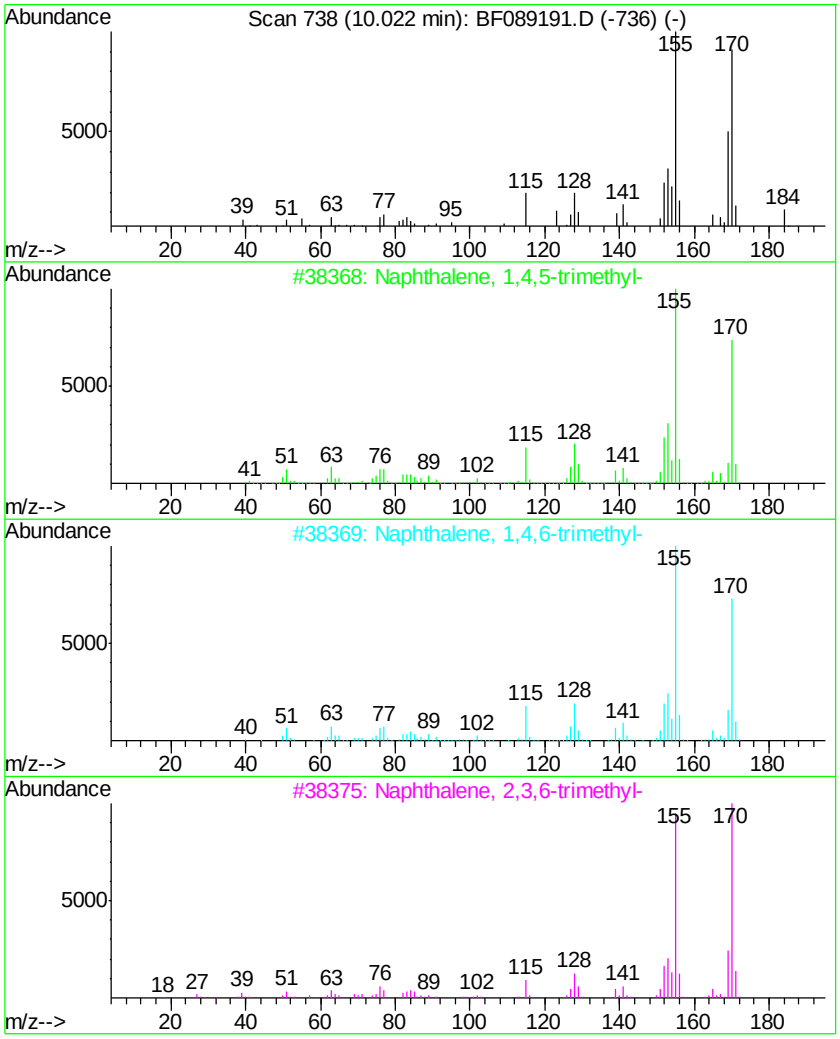
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

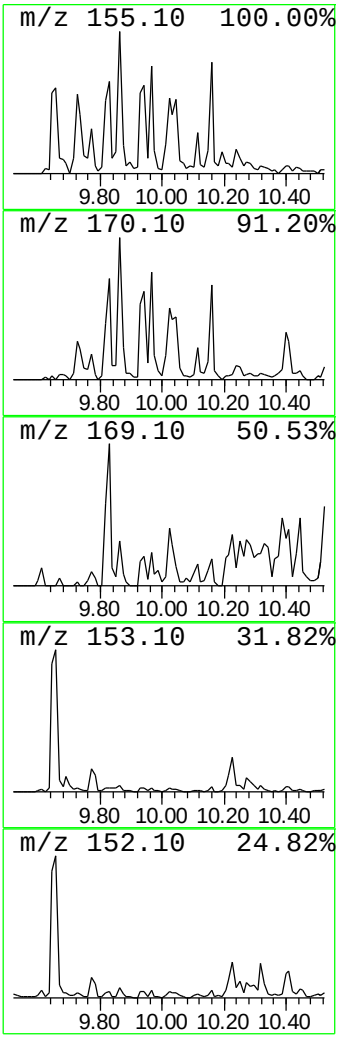
****

Peak Number 6 Naphthalene, 1,4,5-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	5.22 ng	120937	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
Data File : BF089191.D
Acq On : 22 Jul 2016 12:11
Operator : UM/SJ
Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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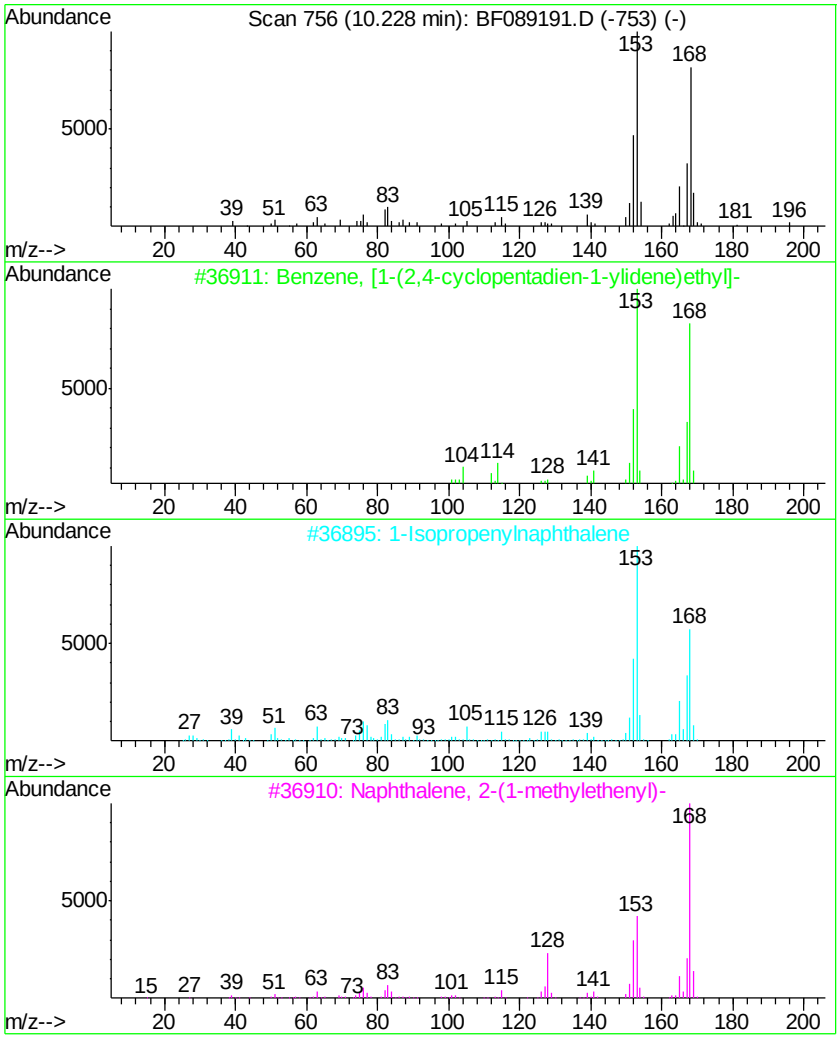
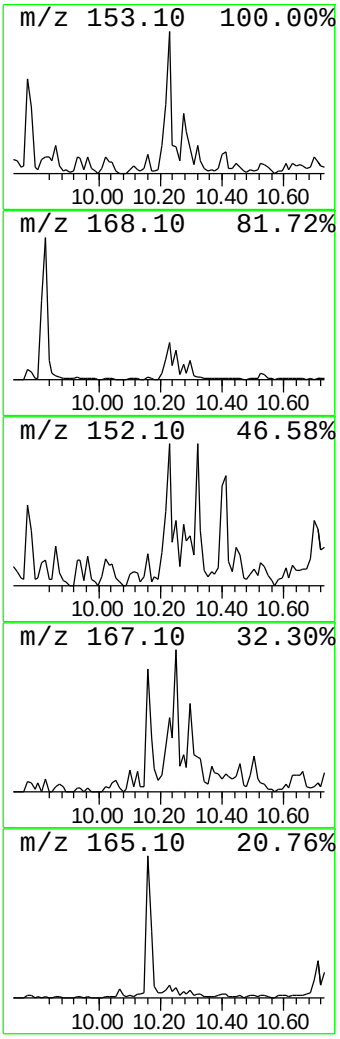
Peak Number 7 Benzene, [1-(2,4-cyclopenta... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	9.02 ng	209174	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
3	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	59
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
5	1-Fluoro-1-hex-1-ynyl-2,2-dimeth...	168	C11H17F	1000300-49-2	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
Data File : BF089191.D
Acq On : 22 Jul 2016 12:11
Operator : UM/SJ
Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

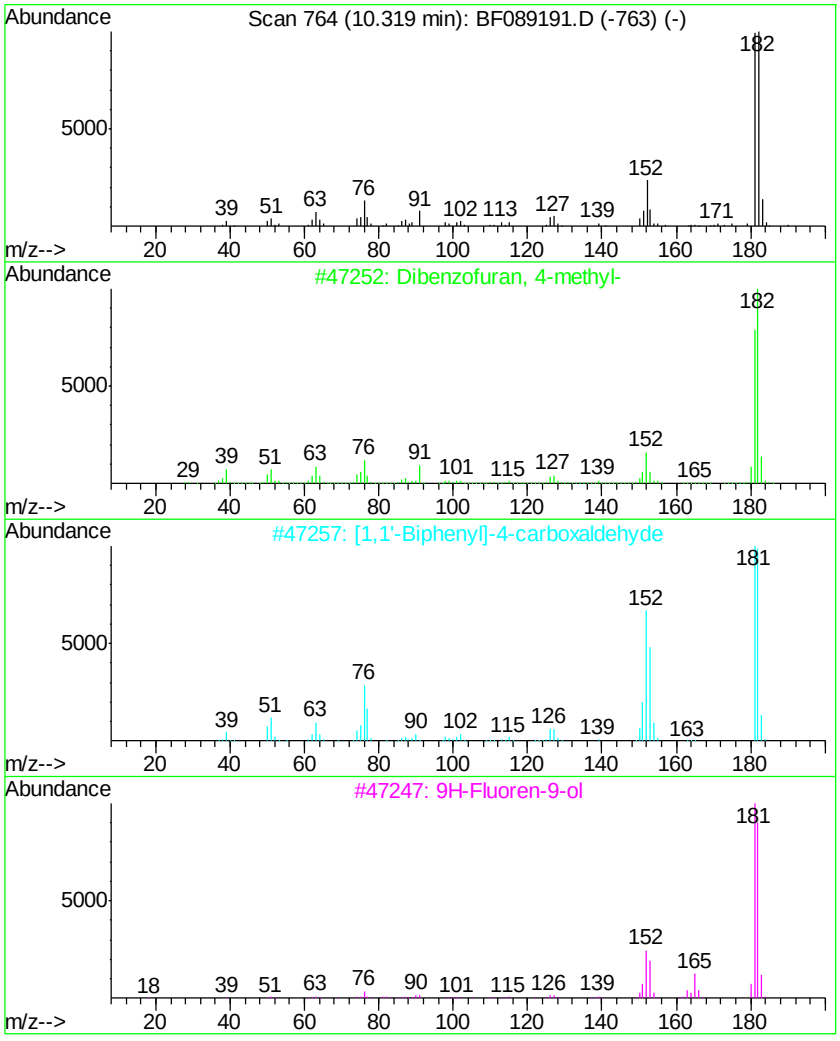
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

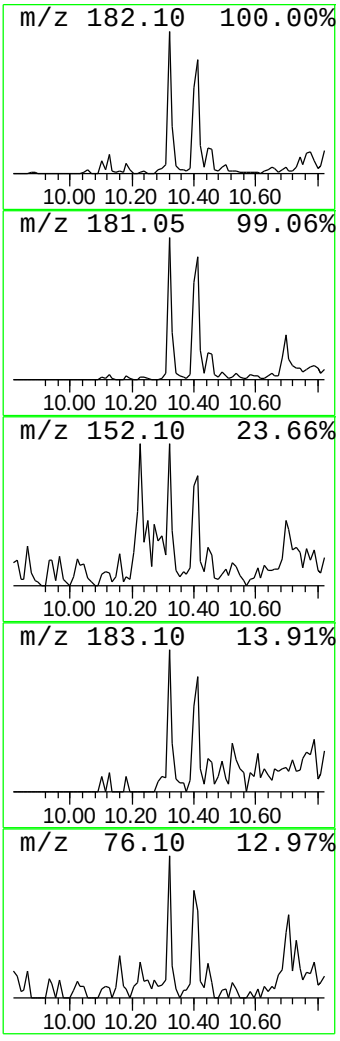
****

Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	7.88 ng	182630	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	70





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Data File : BF089191.D
Acq On : 22 Jul 2016 12:11
Operator : UM/SJ
Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

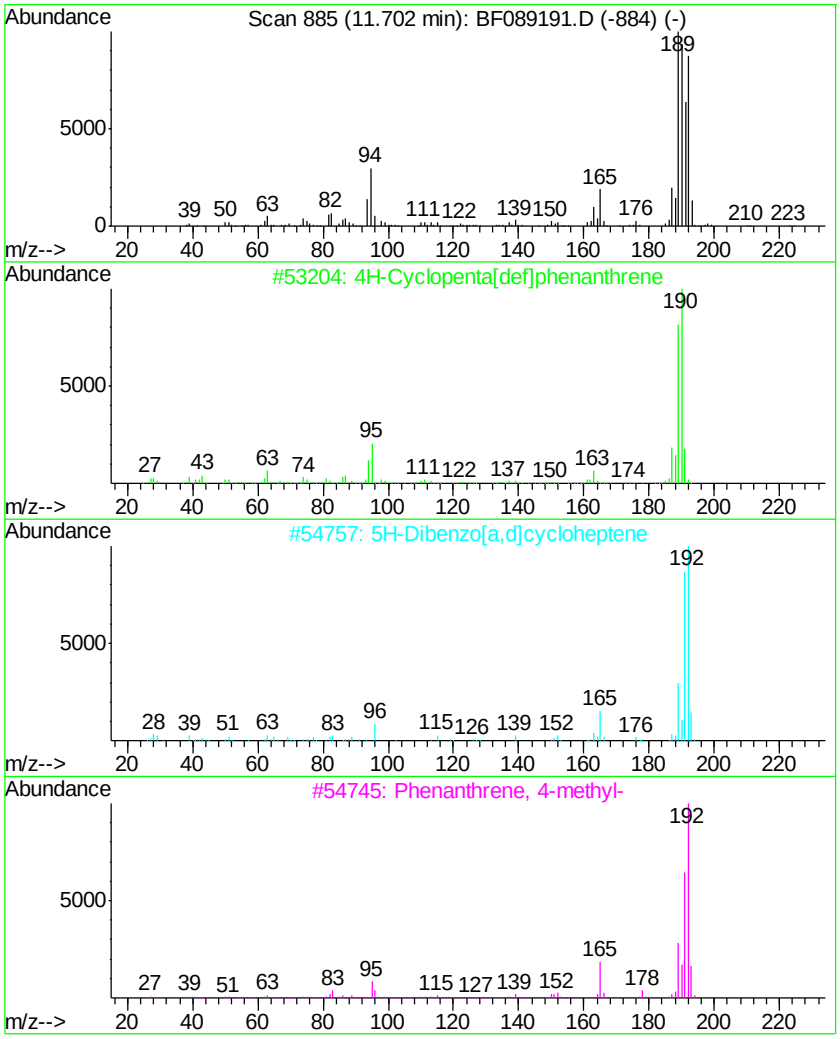
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

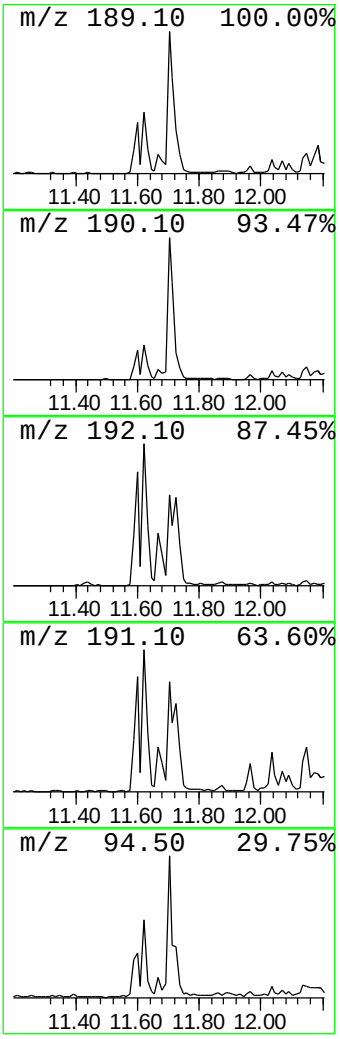
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	6.03 ng	1336090	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38





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Acq On : 22 Jul 2016 12:11
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Sample : H4074-08
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ALS Vial : 25 Sample Multiplier: 1

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ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

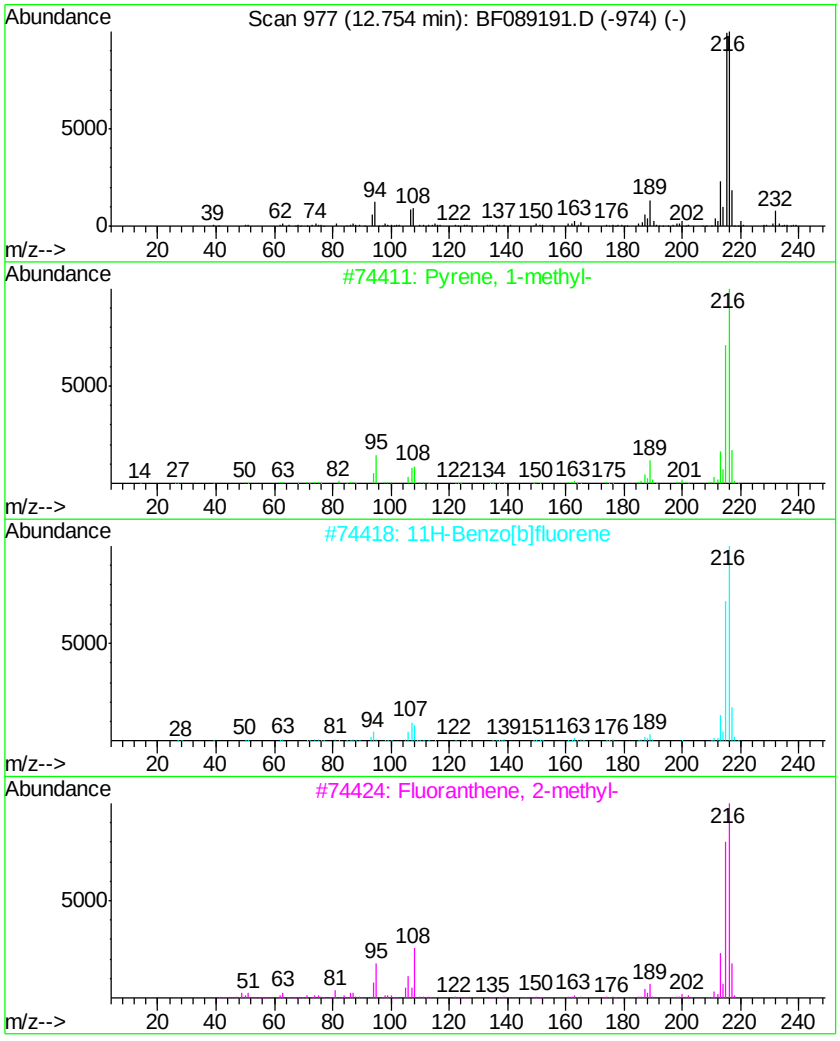
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

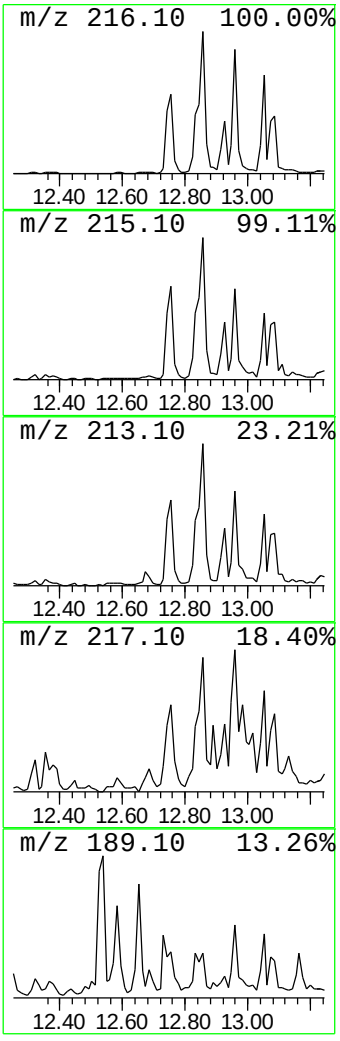
****

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	4.00 ng	593463	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Operator : UM/SJ
Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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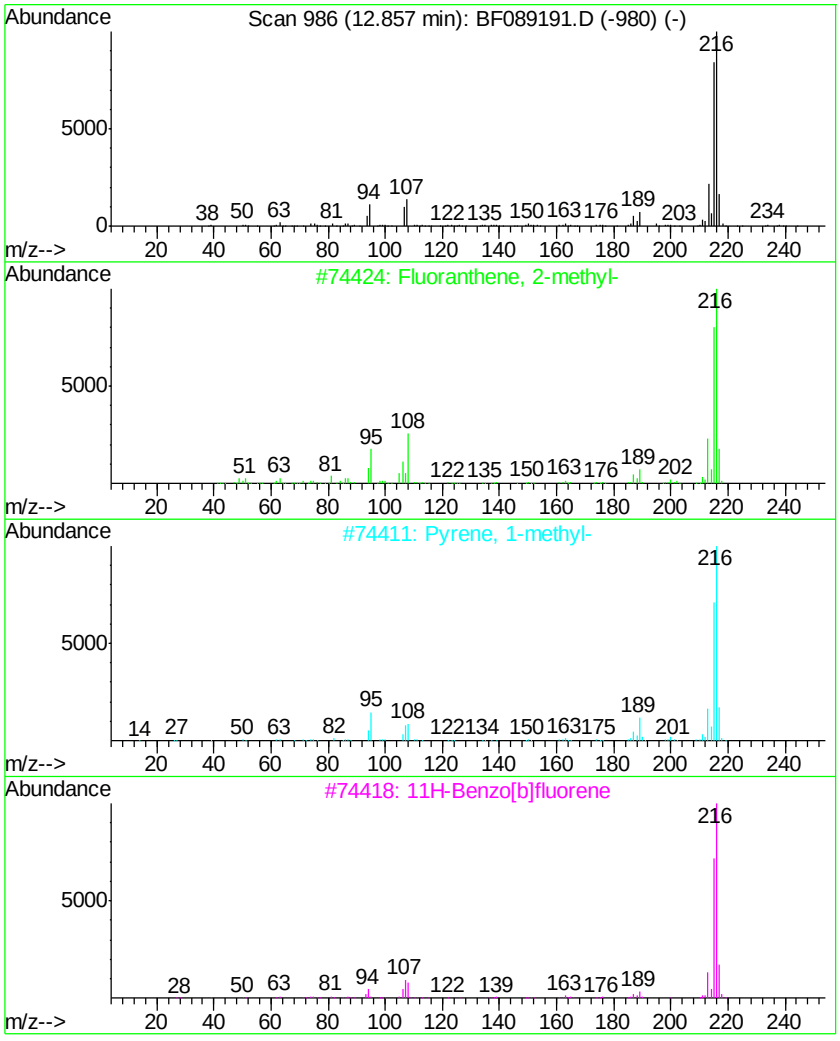
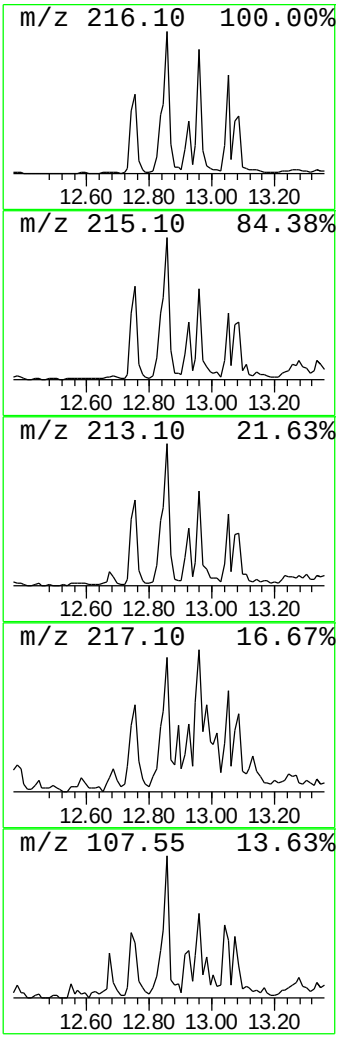
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	5.70 ng	846022	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Operator : UM/SJ
Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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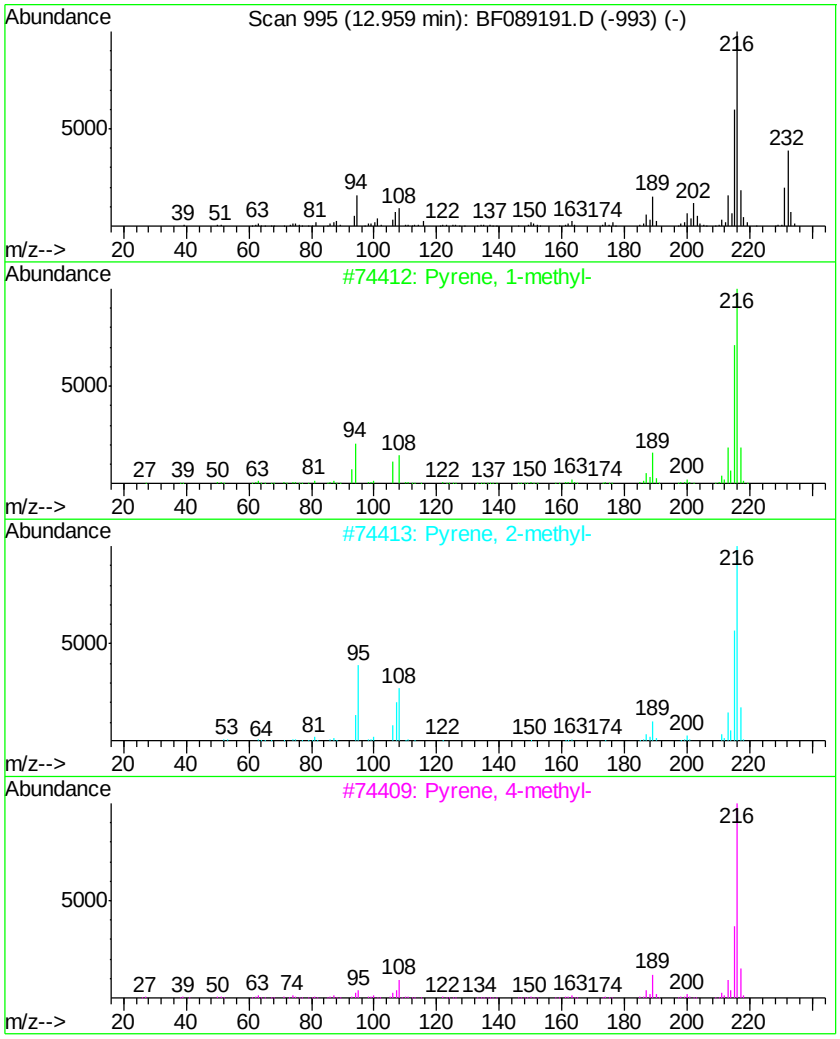
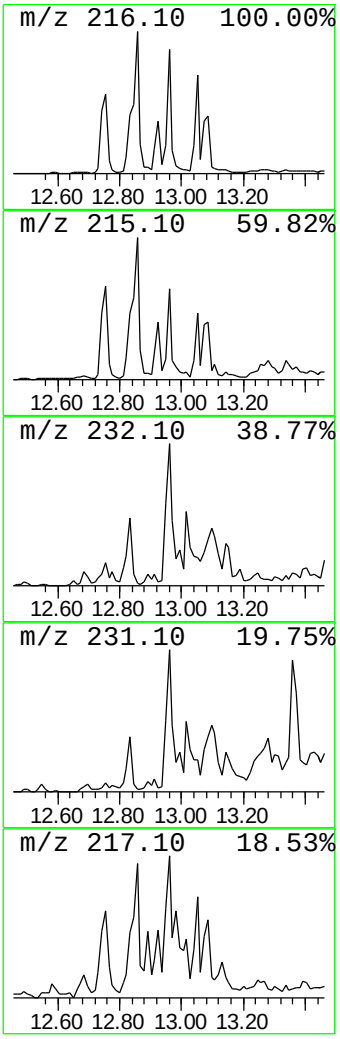
Peak Number 12 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	4.57 ng	677795	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60





Library Search Compound Report

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Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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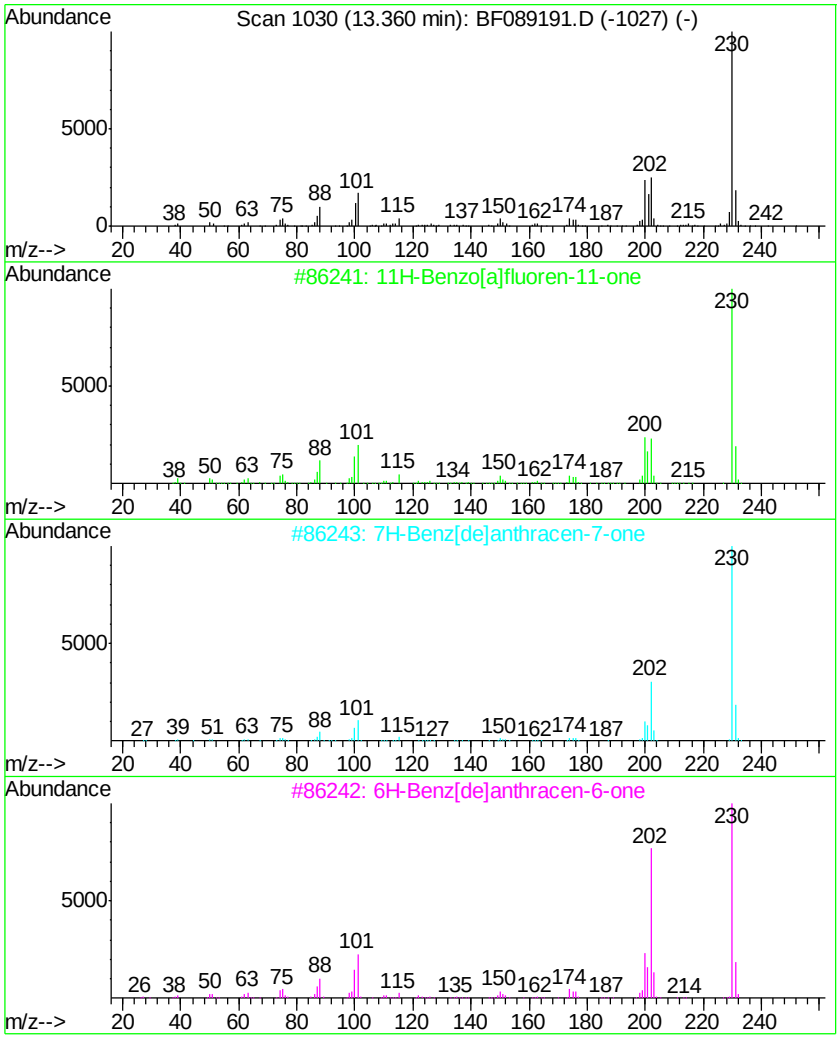
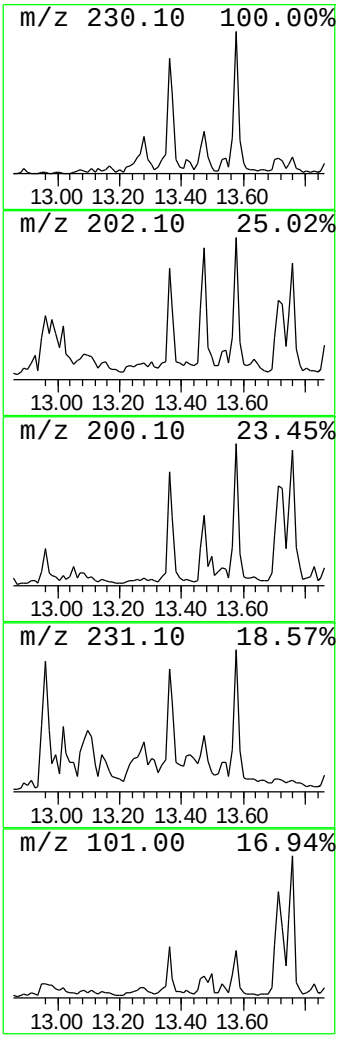
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	3.50 ng	519404	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	99
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	91
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	68
5	o-Terphenyl	230	C18H14	000084-15-1	53





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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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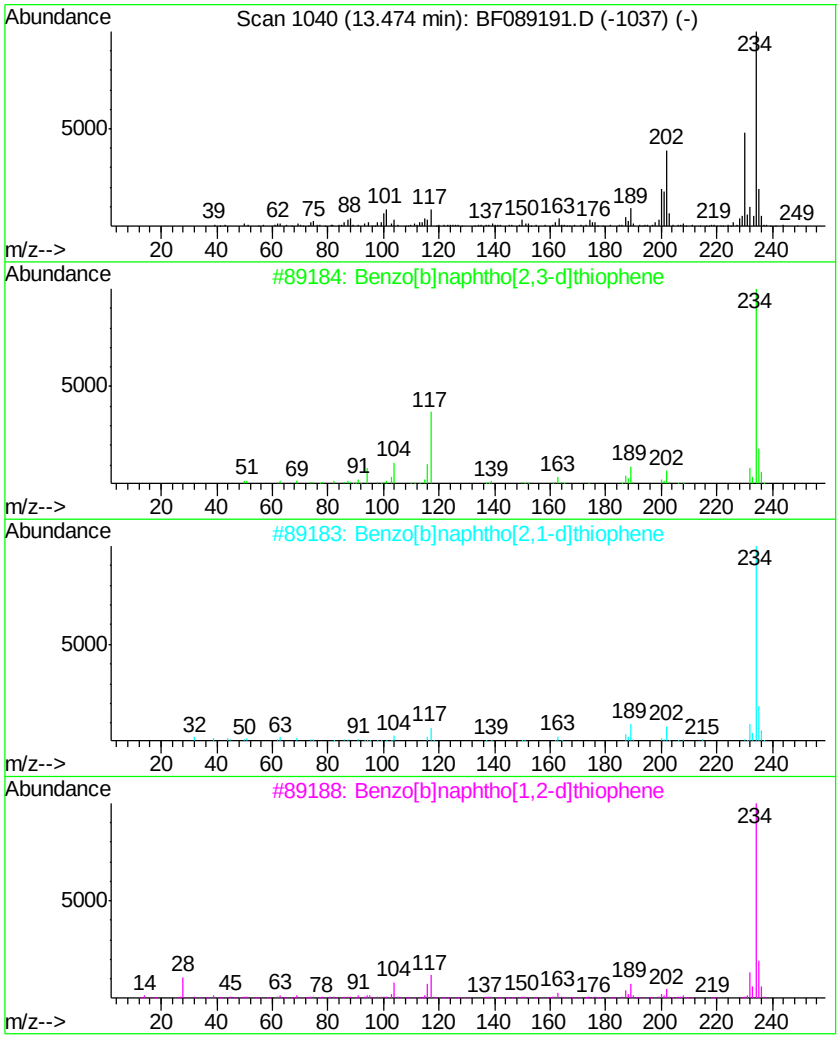
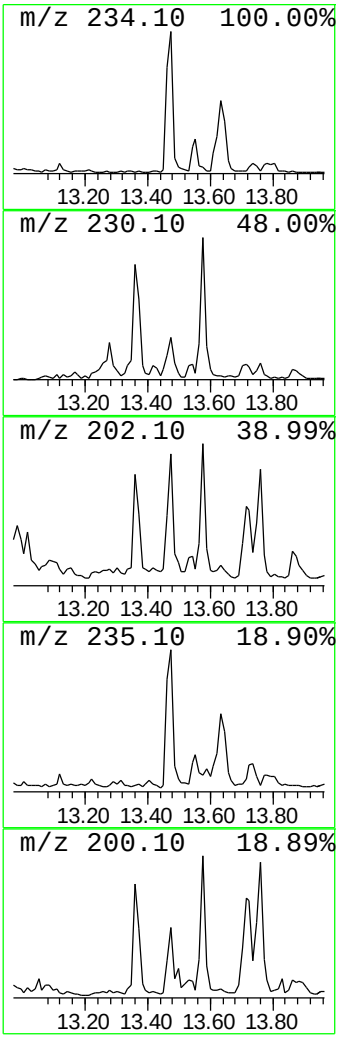
Peak Number 14 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	3.66 ng	543103	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	55
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	55
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	46
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	38
5	4-Pyridinamine, N-(1-naphthaleny...	234	C16H14N2	1000317-32-0	35





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Acq On : 22 Jul 2016 12:11
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Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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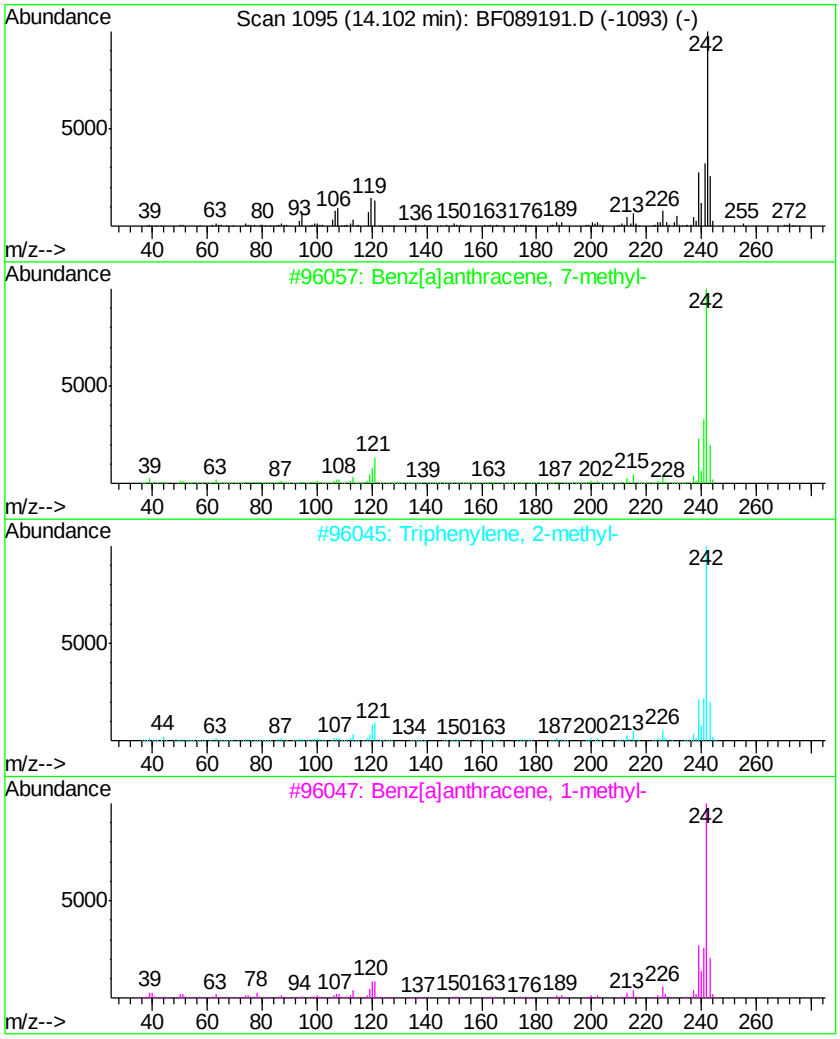
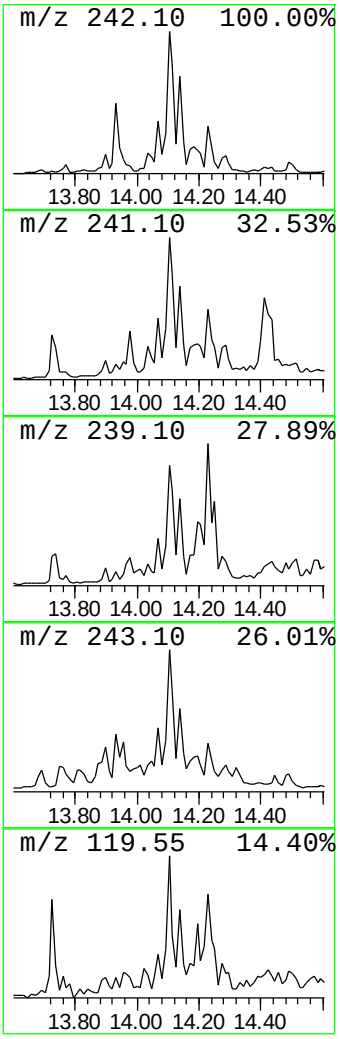
Peak Number 15 Benz[a]anthracene, 7-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	3.27 ng	485918	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	98
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	97
4	2-Methylchrysene	242	C19H14	003351-32-4	96
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96





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Sample : H4074-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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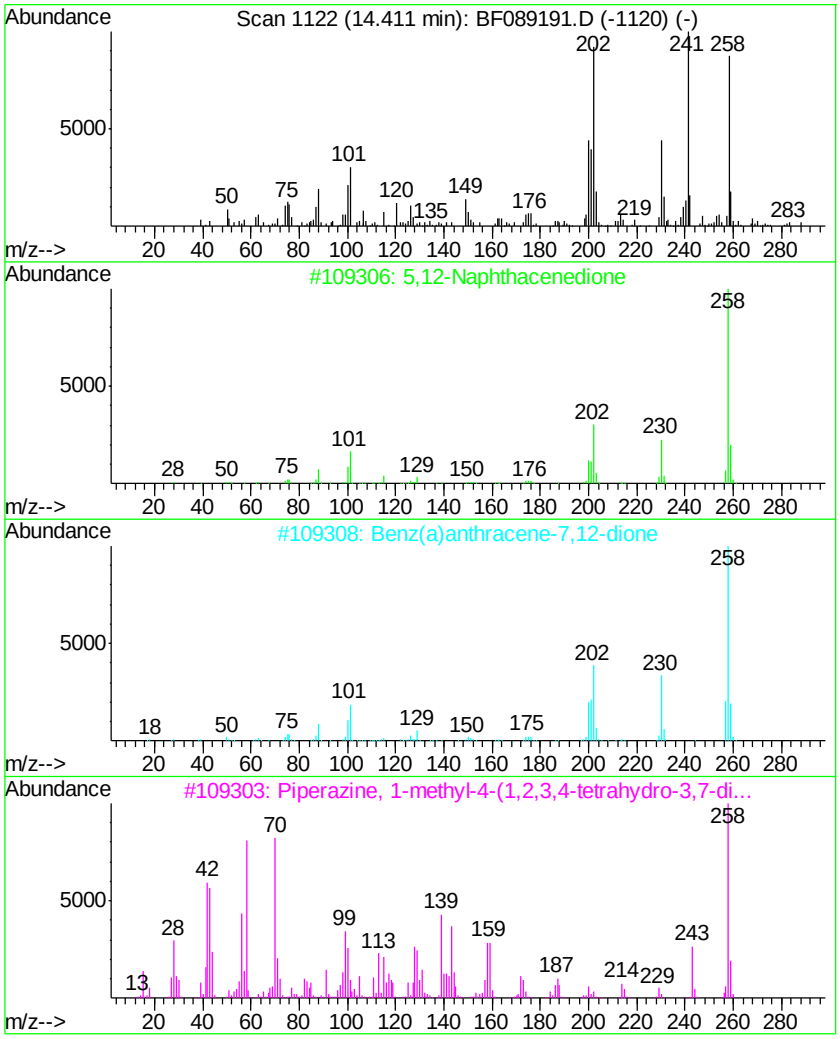
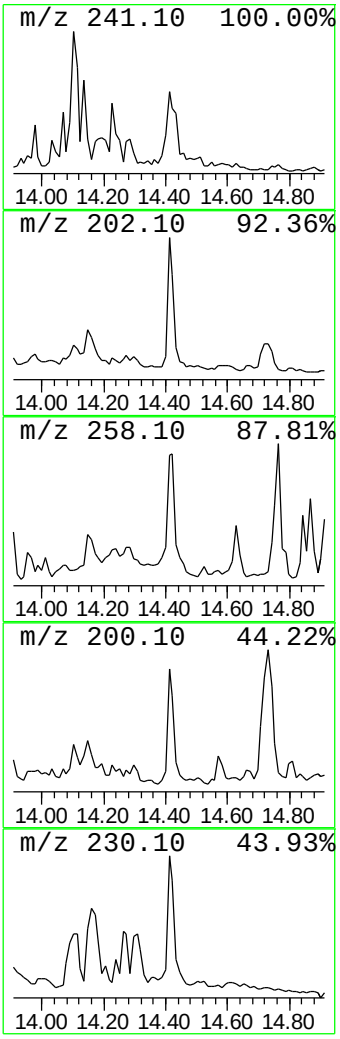
Peak Number 16 5,12-Naphthacenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	3.37 ng	332630	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	94
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
3	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	56
4	Pyrene	202	C16H10	000129-00-0	35
5	Fluoranthene	202	C16H10	000206-44-0	35





Library Search Compound Report

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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
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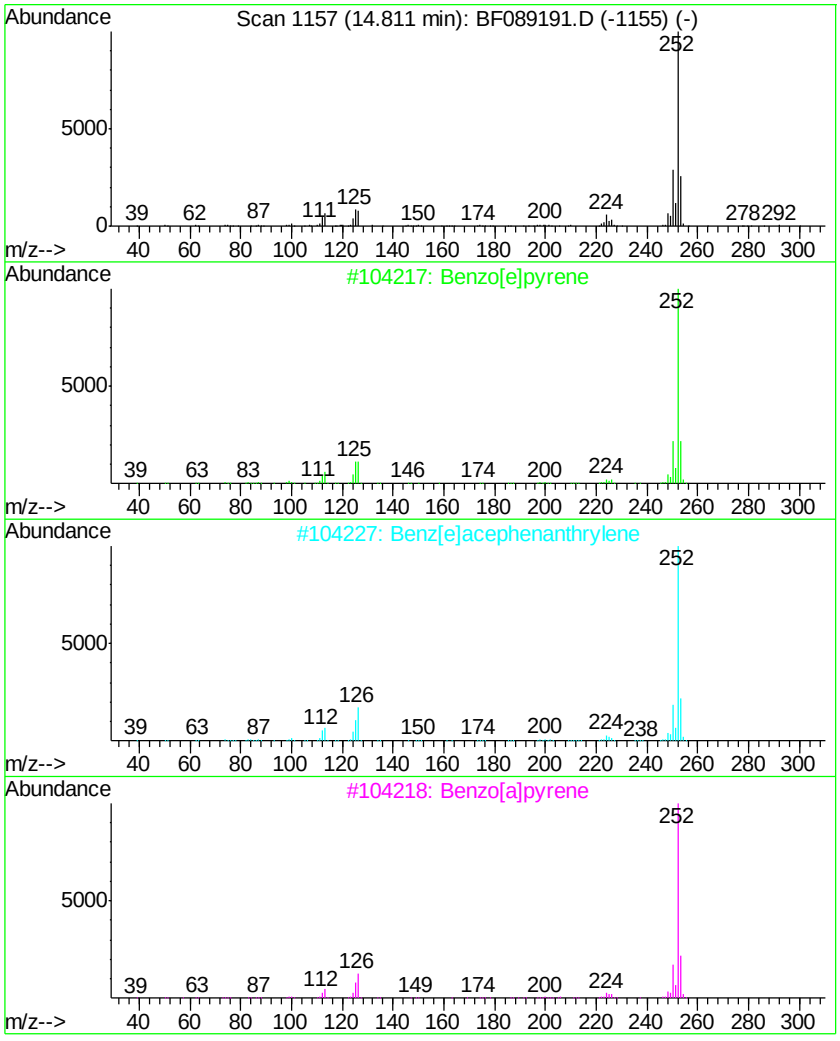
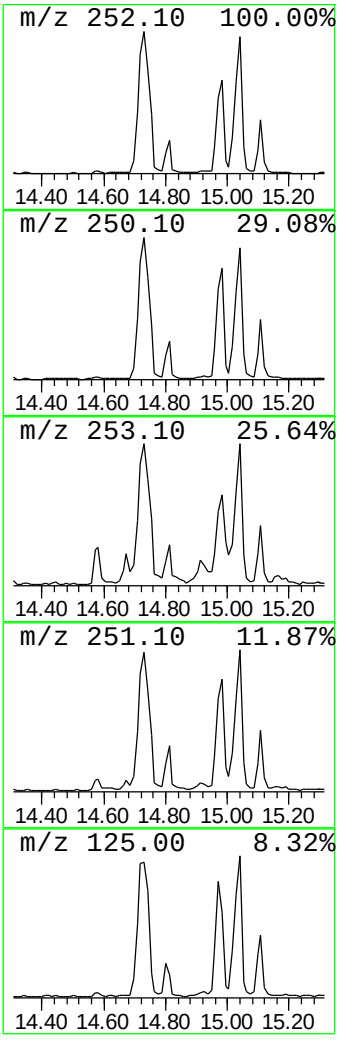
Peak Number 17 Benzo[e]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	3.22 ng	318077	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	76





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
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TIC Library : C:\Database\NIST11.L
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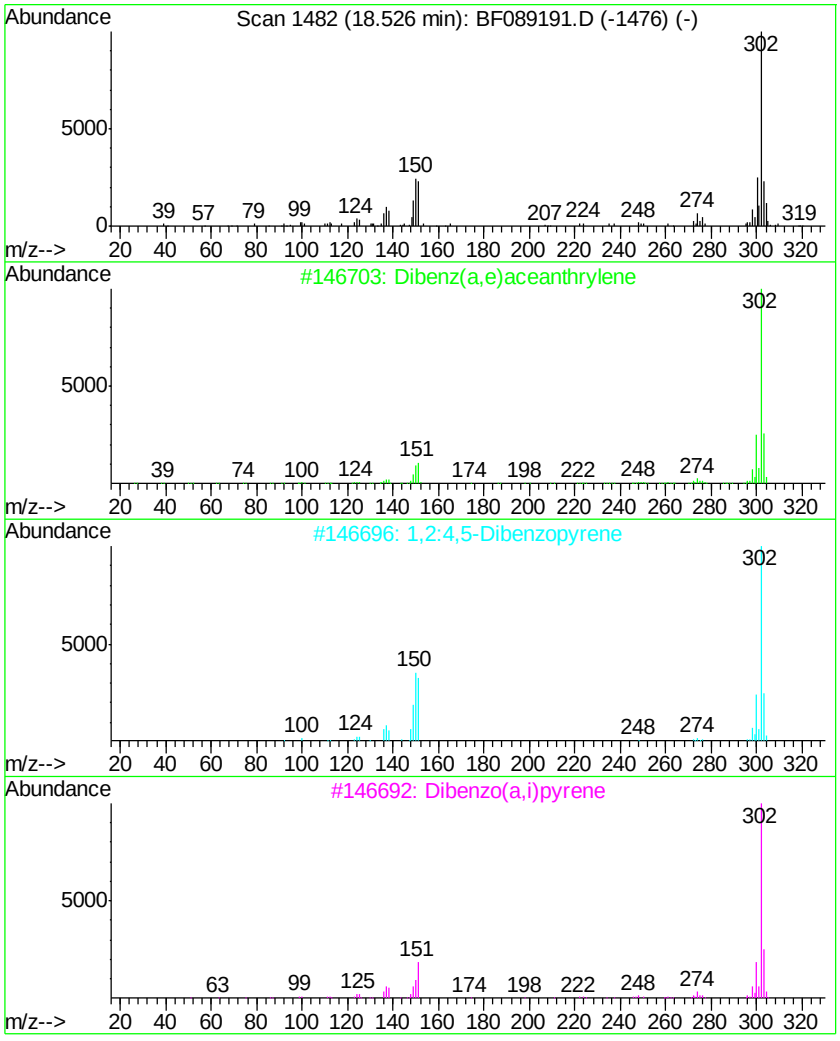
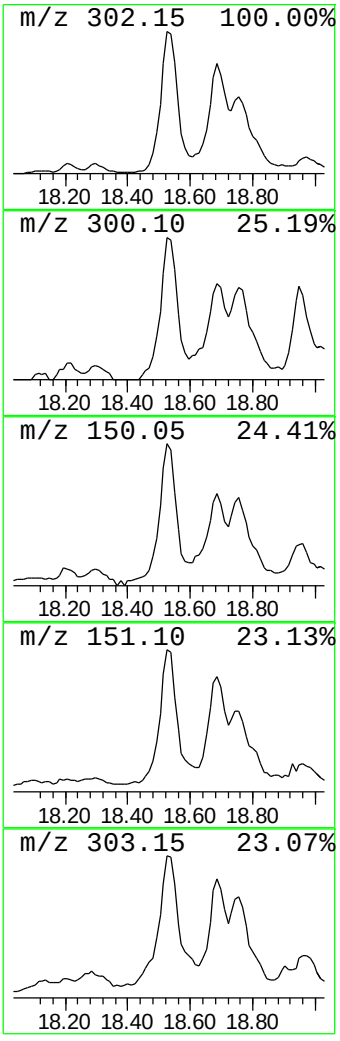
Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	3.72 ng	366932	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	96
3	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	95
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	95
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	86





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_F
ClientSampleId : SB-10-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.36	6.36	85.1	ng	1200300	1	6.59	282011	20.0
Naphthalene, 2,3-...	9.28	7.3	ng	169376	3	9.62	463783	20.0
Naphthalene, 1,4,...	10.02	5.2	ng	120937	3	9.62	463783	20.0
Benzene, [1-(2,4-...	10.23	9.0	ng	209174	3	9.62	463783	20.0
Dibenzofuran, 4-m...	10.32	7.9	ng	182630	3	9.62	463783	20.0
4H-Cyclopenta[def...	11.70	6.0	ng	1336090	4	11.10	4430900	20.0
Pyrene, 1-methyl-	12.75	4.0	ng	593463	5	13.73	2967820	20.0
Fluoranthene, 2-m...	12.86	5.7	ng	846022	5	13.73	2967820	20.0
Pyrene, 2-methyl-	12.96	4.6	ng	677795	5	13.73	2967820	20.0
11H-Benzo[a]fluor...	13.36	3.5	ng	519404	5	13.73	2967820	20.0
Benzo[b]naphtho[2...	13.47	3.7	ng	543103	5	13.73	2967820	20.0
Benz[a]anthracene...	14.10	3.3	ng	485918	5	13.73	2967820	20.0
5,12-Naphthacened...	14.41	3.4	ng	332630	6	15.07	1972580	20.0
Benzo[e]pyrene	14.81	3.2	ng	318077	6	15.07	1972580	20.0
Dibenz(a,e)aceant...	18.53	3.7	ng	366932	6	15.07	1972580	20.0