Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

Manual Integrations APPROVED
Sohil
12/27/2017 4:15:19 PM

Quant Time: Dec 27 10:31:59 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 26 10:48:01 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	113852	20.00	ng		0.00
21) Naphthalene-d8	8.08	136	299649	20.00	ng		0.01
38) Acenaphthene-d10	9.85	164	101221	20.00	ng		0.02
63) Phenanthrene-d10	11.36	188	143785	20.00	ng		0.04
75) Chrysene-d12	14.01	240	124921	20.00	ng		0.04
86) Perylene-d12	15.51	264	149311	20.00	ng		0.08
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	467058	61.11	ng		0.00
7) Phenol-d6	6.43	99	551071	57.93	ng		0.00
23) Nitrobenzene-d5	7.36	82	214283	39.81	ng		0.00
41) 2,4,6-Tribromophenol	10.66	330	55311	56.71	ng		0.04
44) 2-Fluorobiphenyl	9.16	172	295645	45.31	ng		0.01
78) Terphenyl-d14	12.93	244	196127	37.85	ng		0.04
Target Compounds							Qvalue
31) Naphthalene	8.10	128	117041	7.759	ng	#	73
37) 2-Methylnaphthalene	8.80	142	391355	39.819	ng		97
45) 1,1'-Biphenyl	9.26	154	35676	3.974	ng		93
51) Acenaphthene	9.88	154	65156	9.996	ng	#	77
57) Fluorene	10.41	166	88496	12.629	ng	#	64
70) Phenanthrene	11.38	178	267290	33.428	ng	#	81
74) Fluoranthene	12.57	202	23858m	2.843	ng		
77) Pyrene	12.81	202	57569m	6.141	ng		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
ClientSampleId :
DB-SW1-15

Manual Integrations APPROVED
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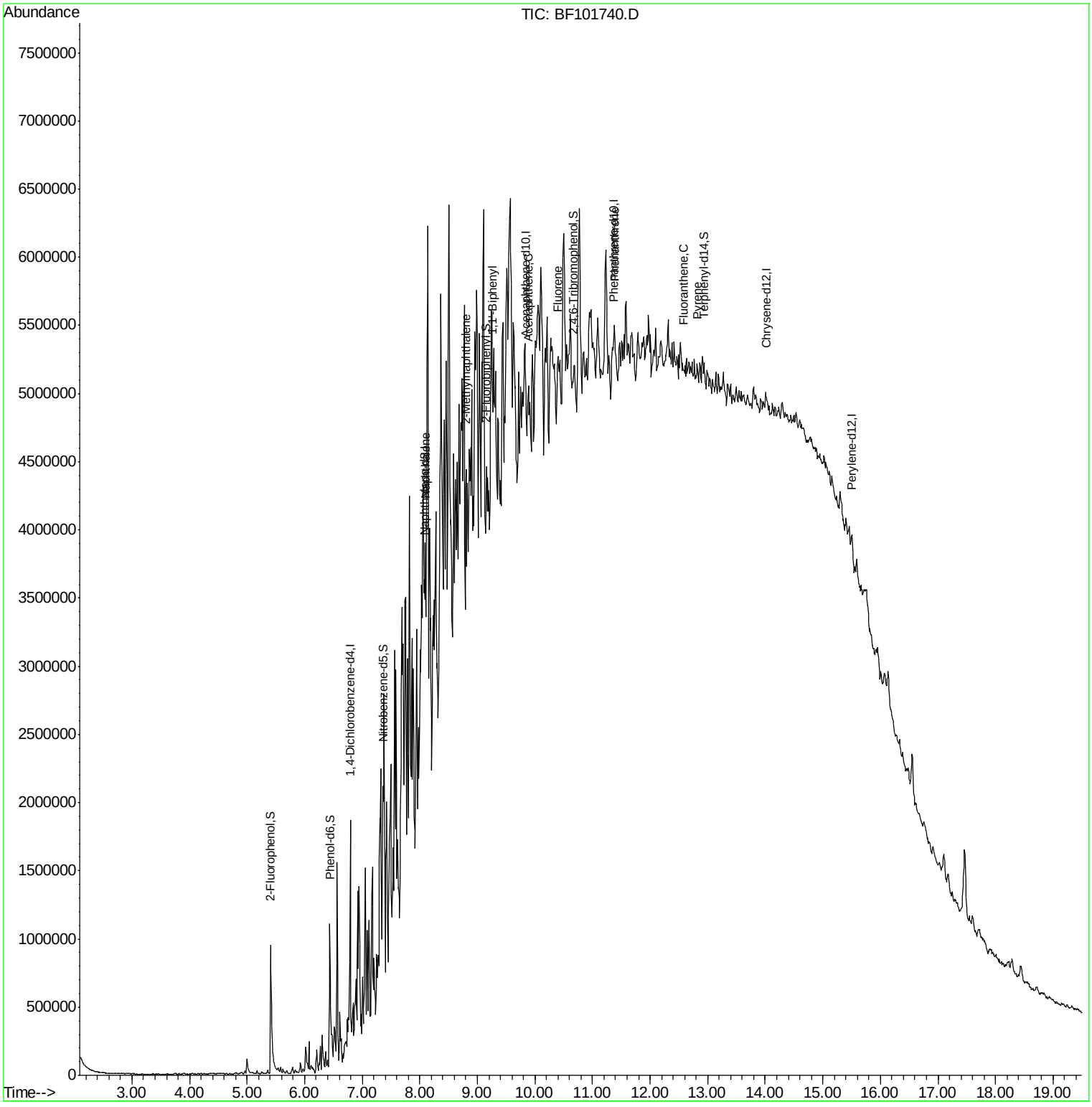
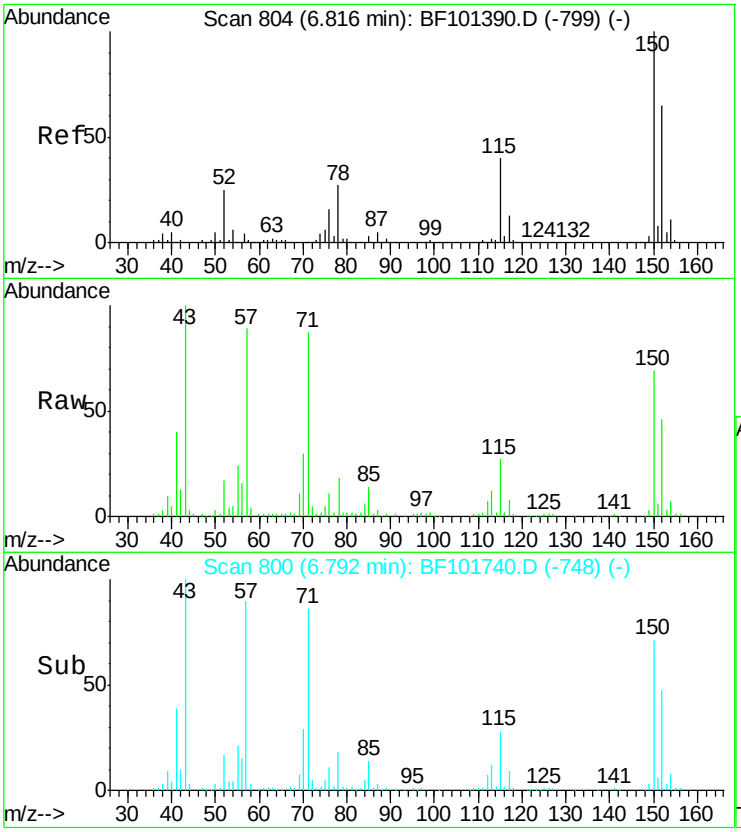
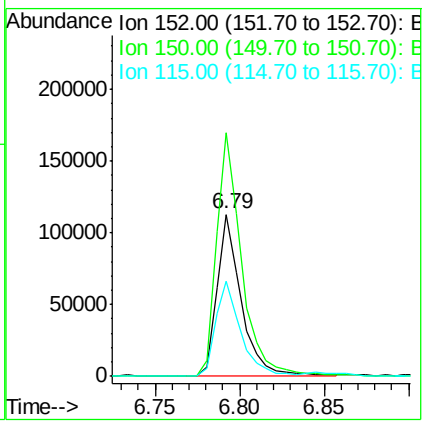




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:152 Resp: 113852

Ion	Ratio	Lower	Upper
152	100		
150	150.5	124.6	186.8
115	58.6	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

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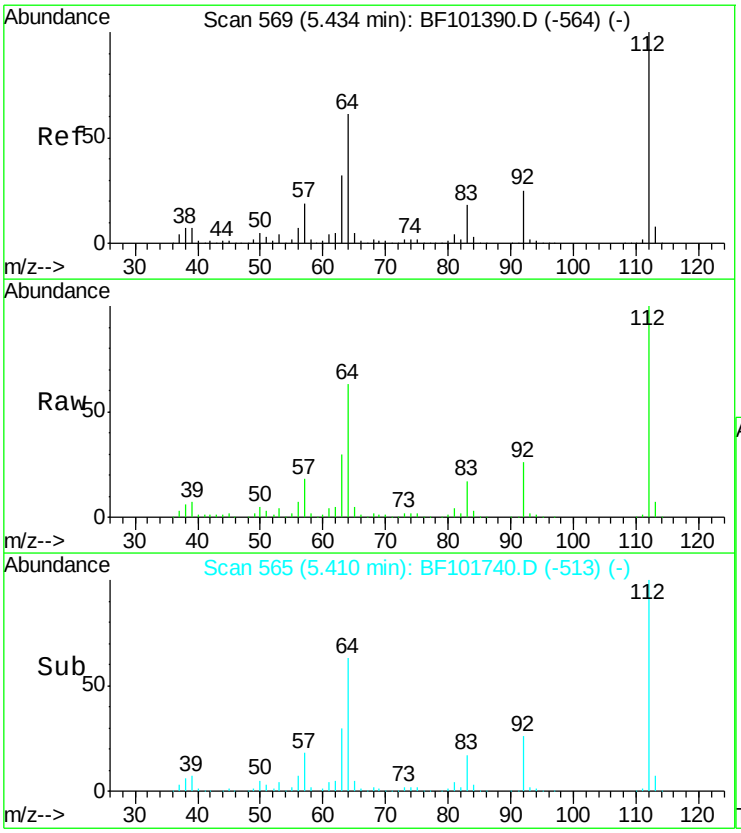
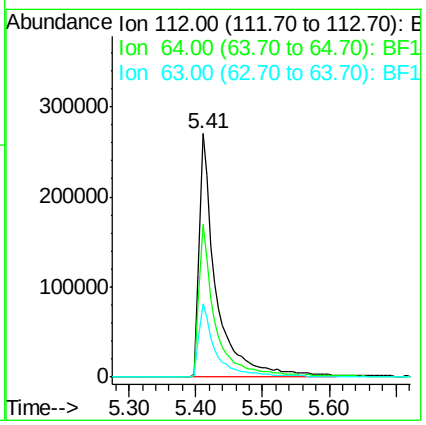
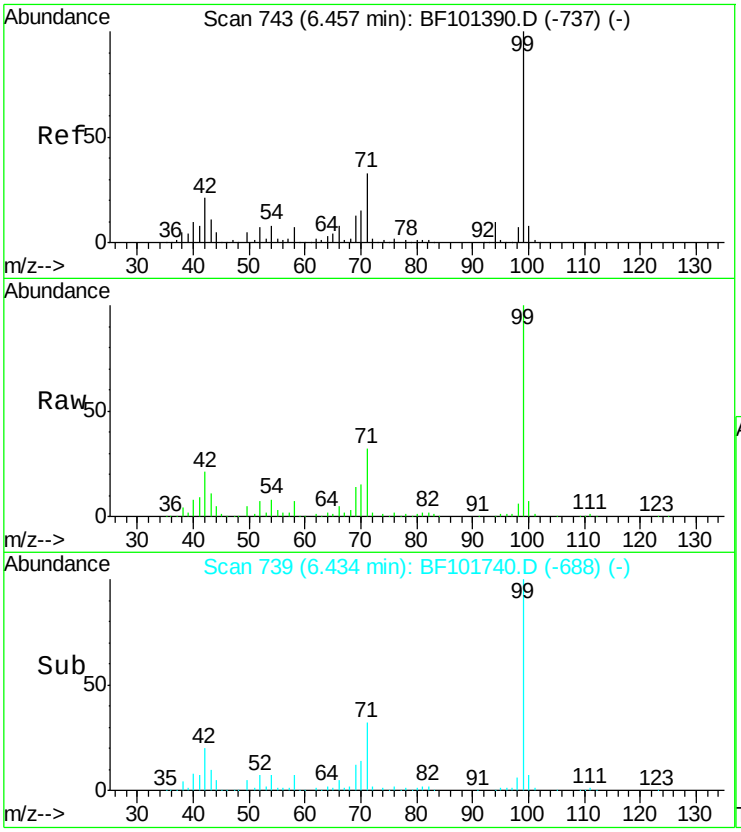


#5
2-Fluorophenol
Concen: 61.107 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:112 Resp: 467058

Ion	Ratio	Lower	Upper
112	100		
64	62.8	47.9	71.9
63	29.9	23.7	35.5

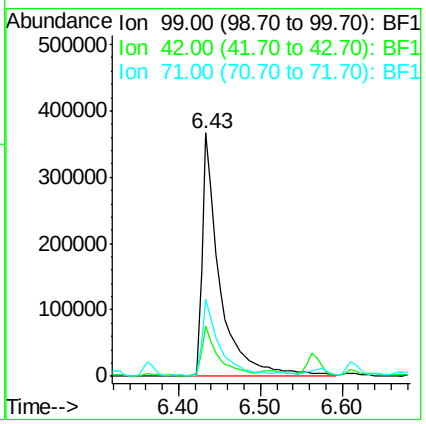




#7
Phenol-d6
Concen: 57.932 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion: 99 Resp: 551071

Ion	Ratio	Lower	Upper
99	100		
42	20.9	14.5	21.7
71	32.0	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

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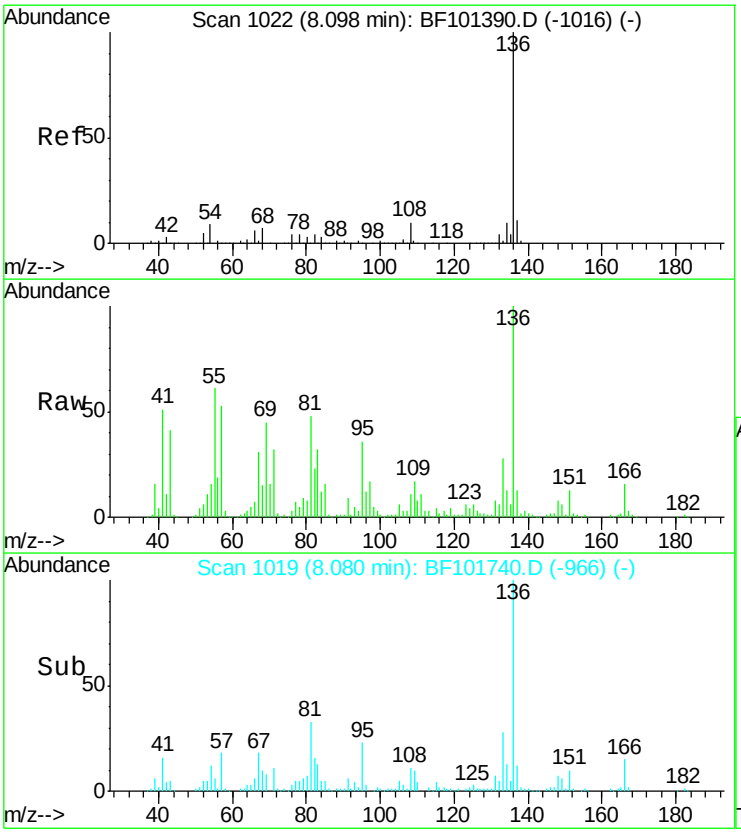
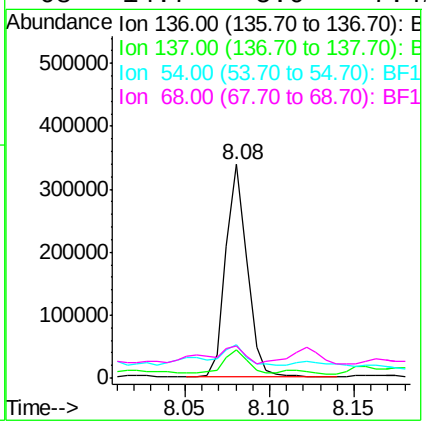
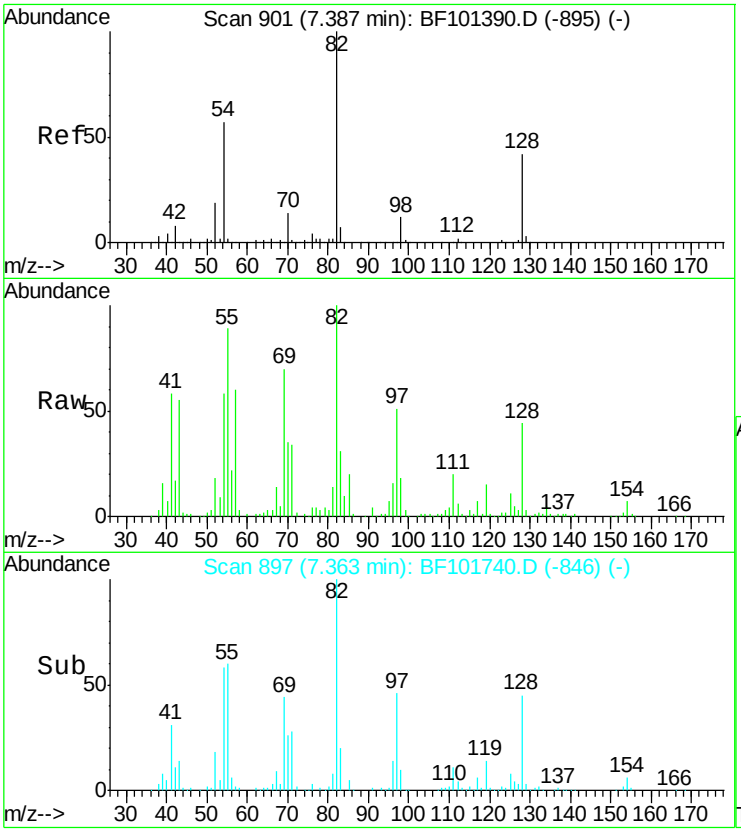


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:136 Resp: 299649

Ion	Ratio	Lower	Upper
136	100		
137	13.2	8.9	13.3
54	15.6	6.6	9.8#
68	14.7	5.0	7.4#

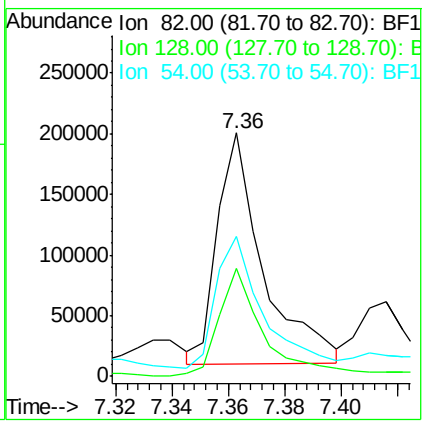




#23
Nitrobenzene-d5
Concen: 39.807 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.00 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion: 82 Resp: 214283

Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	57.6	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

Manual Integrations APPROVED
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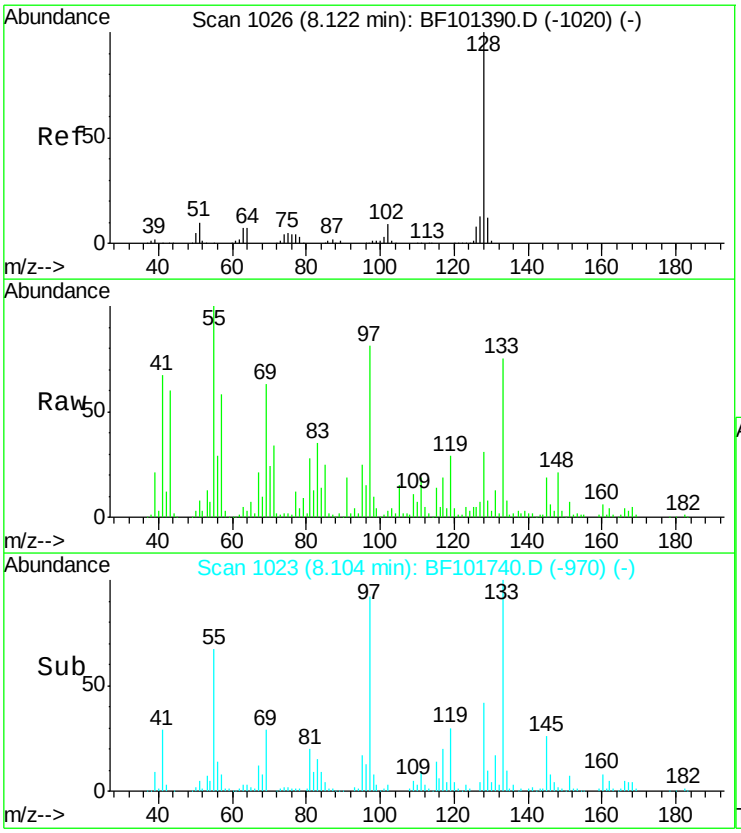
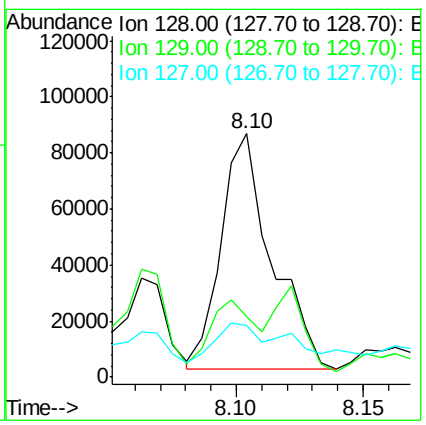
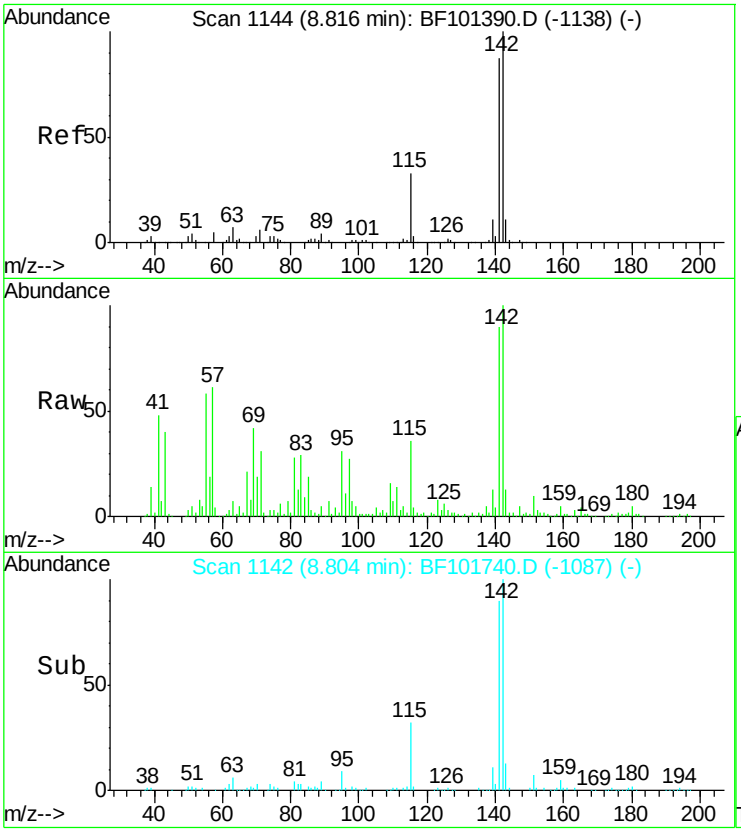


#31
Naphthalene
Concen: 7.759 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.01 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:128 Resp: 117041

Ion	Ratio	Lower	Upper
128	100		
129	25.0	8.8	13.2#
127	21.3	10.9	16.3#

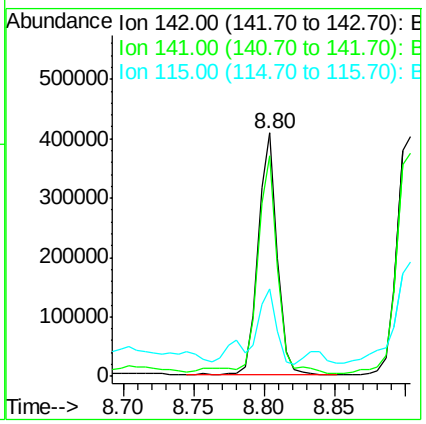




#37
2-Methylnaphthalene
Concen: 39.819 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.02 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:142 Resp: 391355

Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.8	106.2
115	36.1	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

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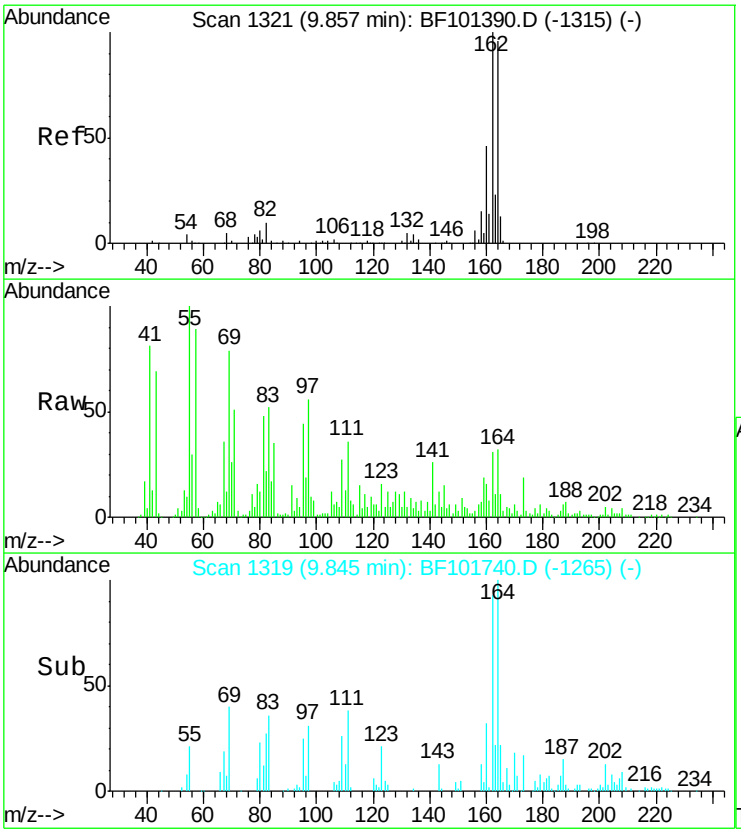
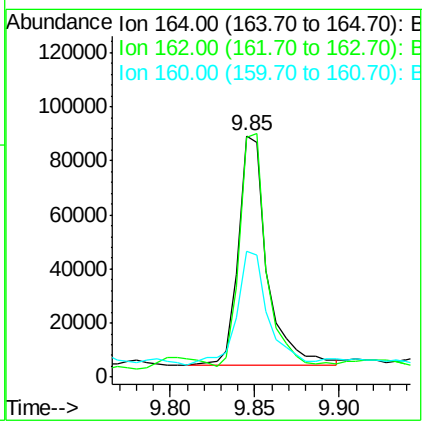
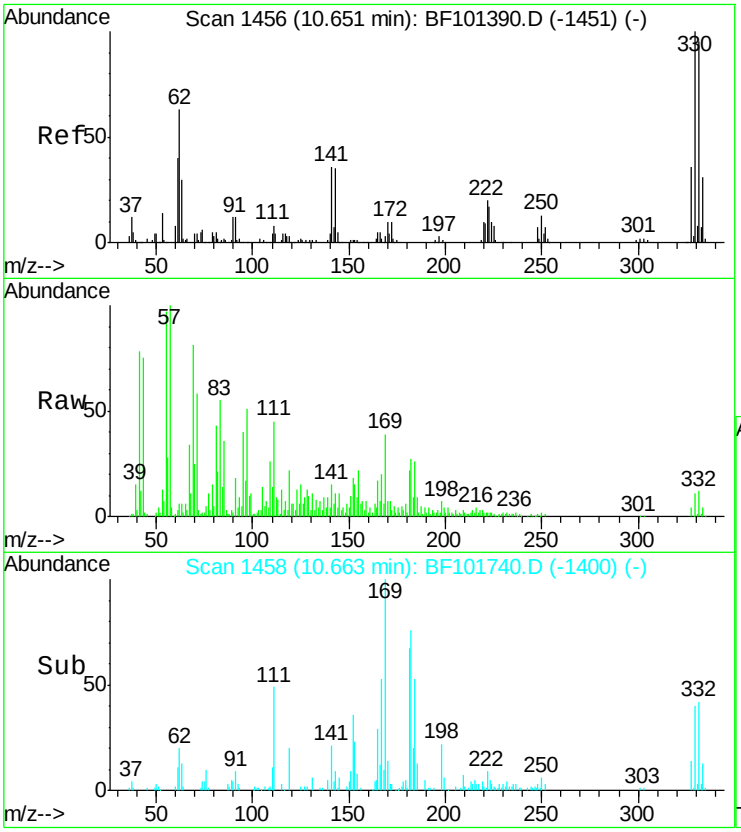


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.02 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:164 Resp: 101221

Ion	Ratio	Lower	Upper
164	100		
162	99.1	86.1	129.1
160	52.0	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 56.709 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.04 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:330 Resp: 55311

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	71.1	29.9	44.9#

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

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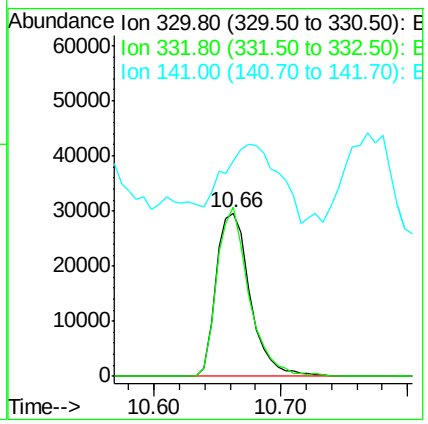
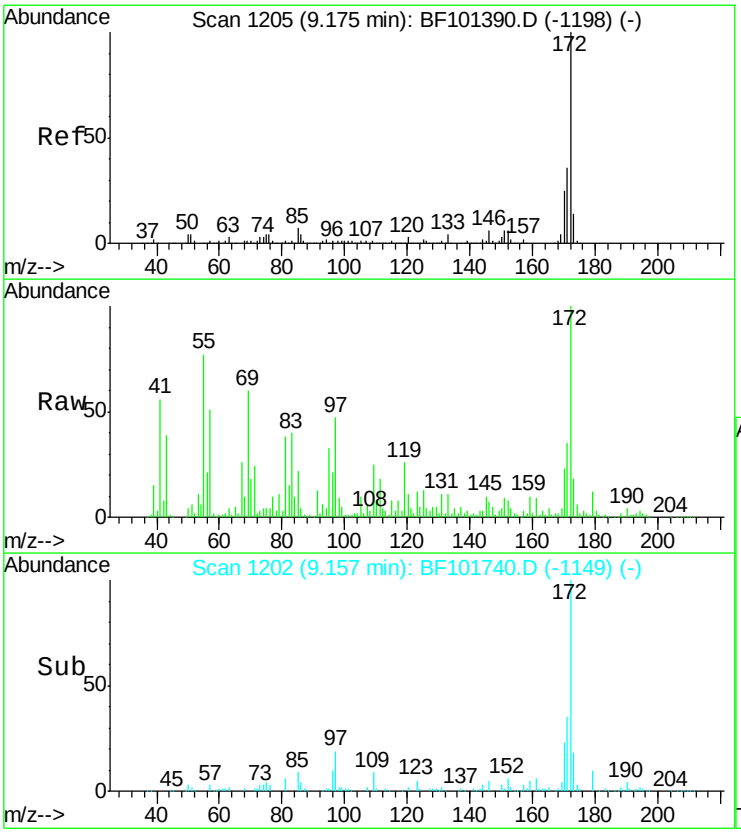
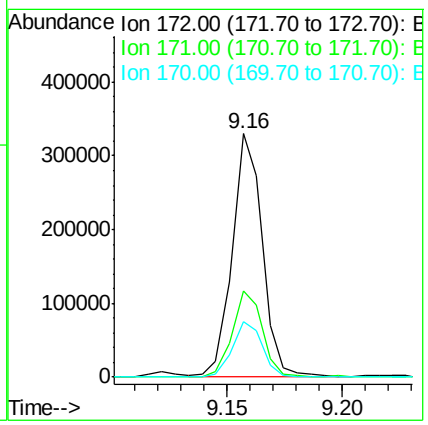


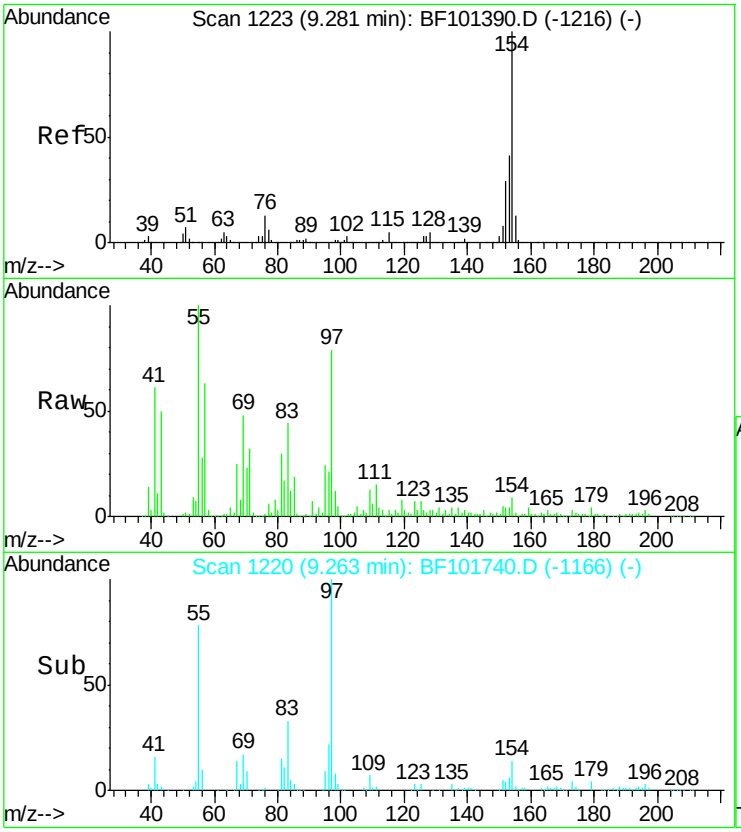


#44
2-Fluorobiphenyl
Concen: 45.308 ng
RT: 9.16 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:172 Resp: 295645

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.0	19.6	29.4

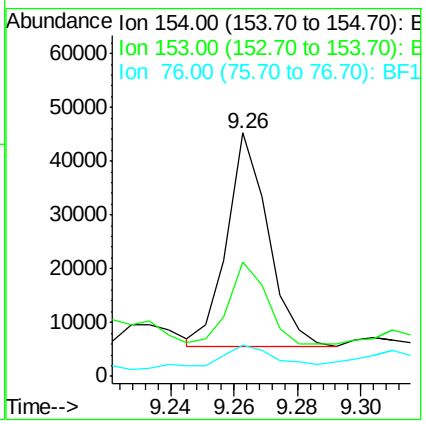




#45
1,1'-Biphenyl
Concen: 3.974 ng
RT: 9.26 min Scan# 1220
Delta R.T. 0.02 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:154 Resp: 35676

Ion	Ratio	Lower	Upper
154	100		
153	46.8	21.3	61.3
76	12.8	0.0	34.0



Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

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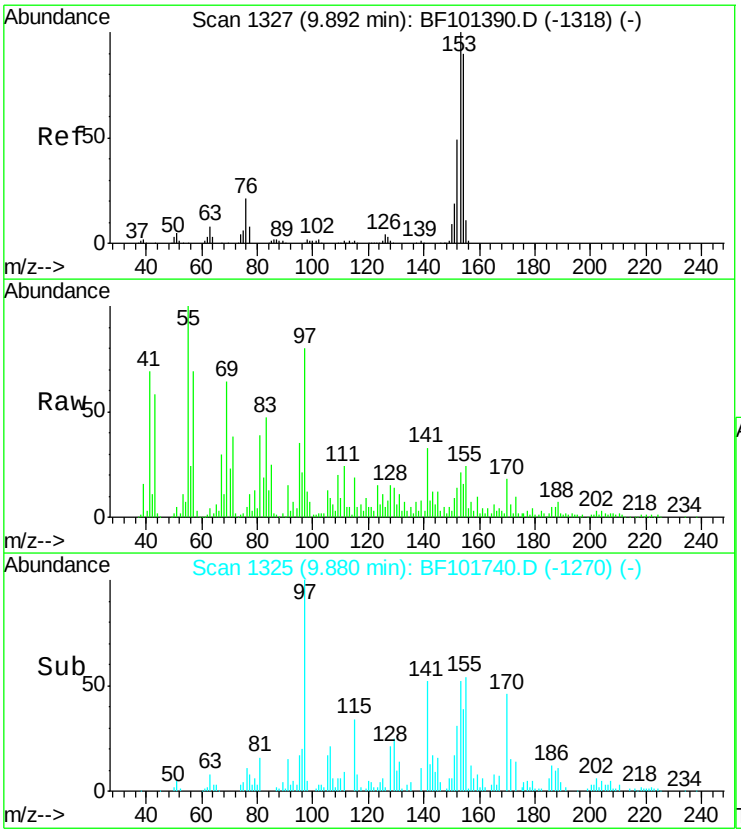
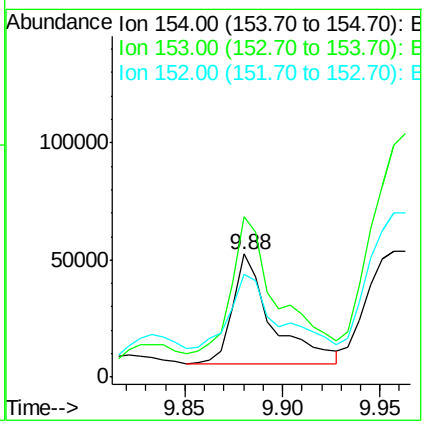
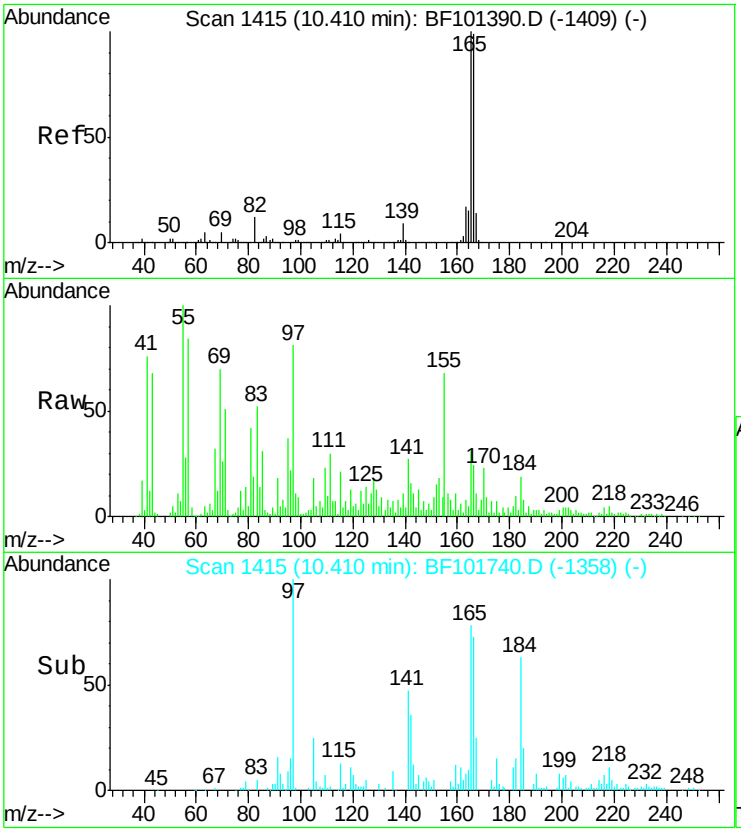


#51
Acenaphthene
Concen: 9.996 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.02 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:154 Resp: 65156

Ion	Ratio	Lower	Upper
154	100		
153	130.7	91.2	136.8
152	83.7	43.8	65.8#





#57
Fluorene
Concen: 12.629 ng
RT: 10.41 min Scan# 1415
Delta R.T. 0.04 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:166 Resp: 88496

Ion	Ratio	Lower	Upper
166	100		
165	130.0	79.8	119.8#
167	46.7	10.6	16.0#

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

Manual Integrations APPROVED
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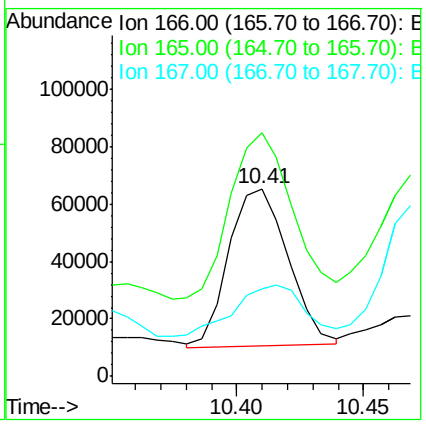
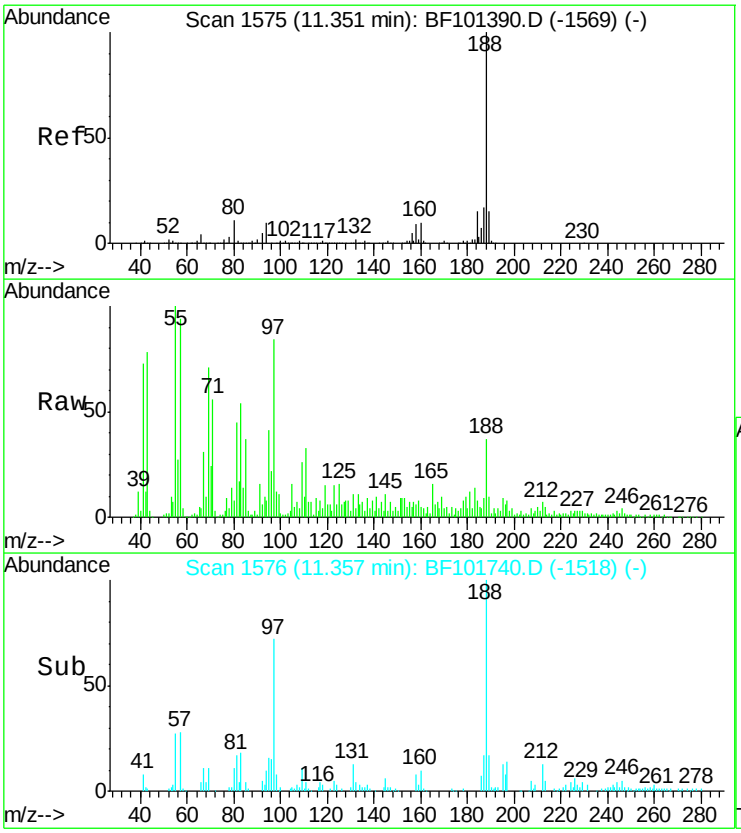
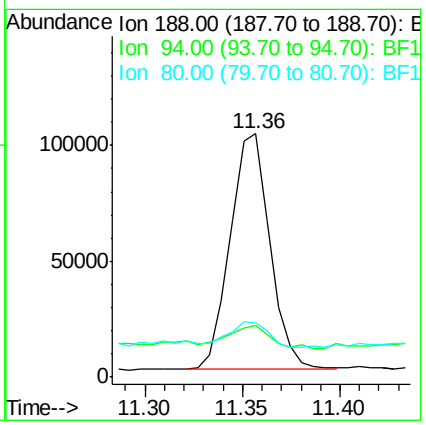


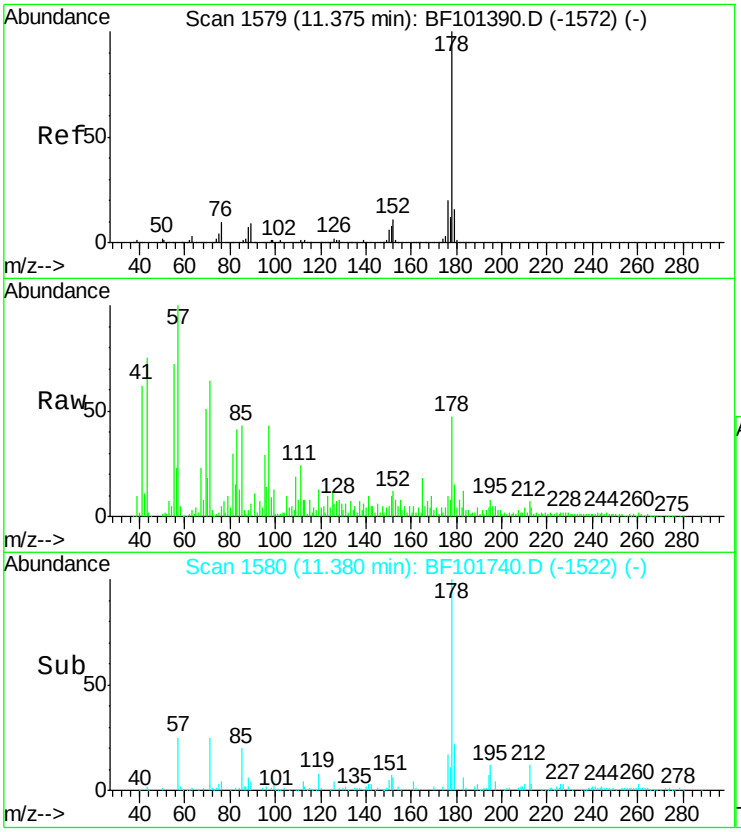


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.04 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:188 Resp: 143785

Ion	Ratio	Lower	Upper
188	100		
94	21.1	8.5	12.7#
80	22.4	9.2	13.8#





#70
Phenanthrene
Concen: 33.428 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.04 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:178 Resp: 267290

Ion	Ratio	Lower	Upper
178	100		
176	21.5	15.8	23.8
179	32.4	13.0	19.6#

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

Manual Integrations APPROVED
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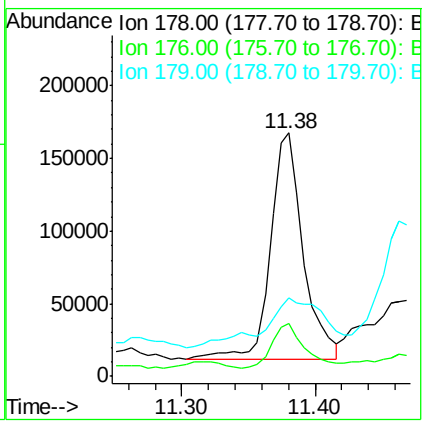
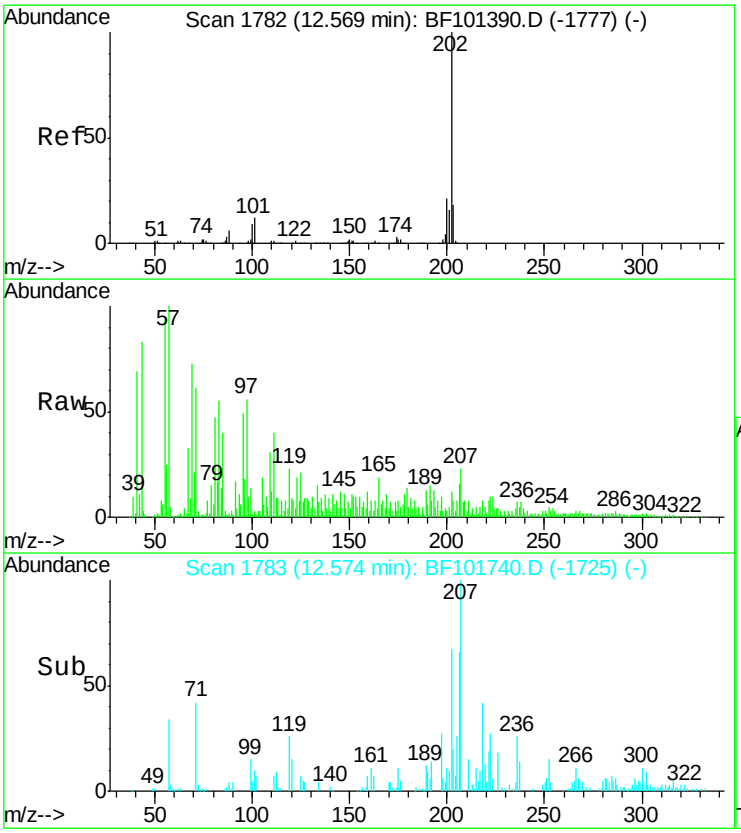
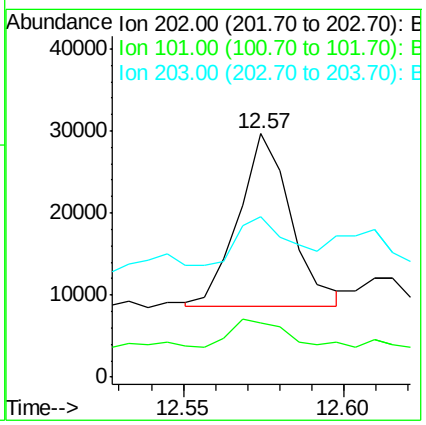


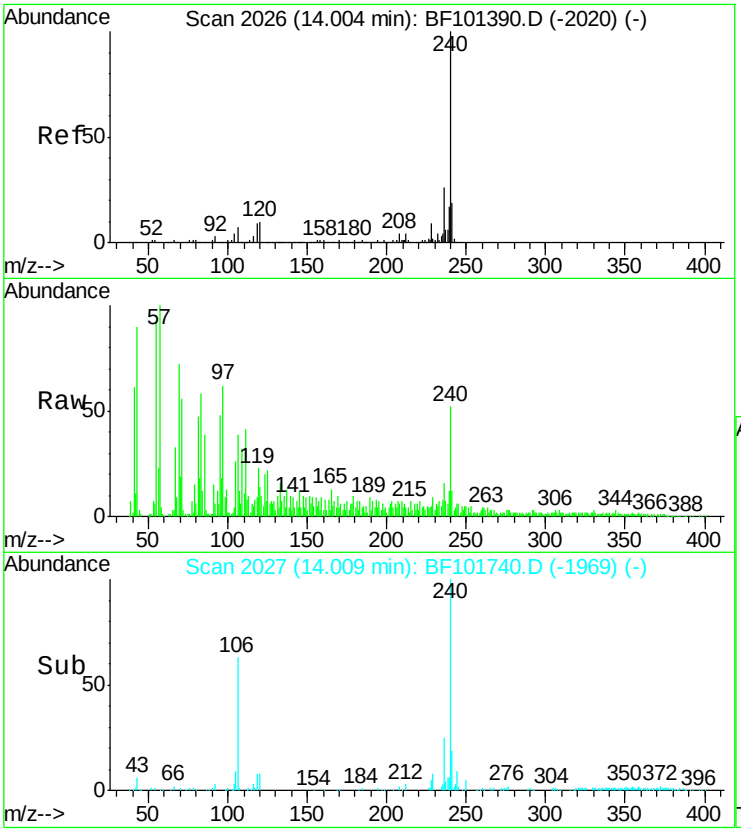


#74
Fluoranthene
Concen: 2.843 ng m
RT: 12.57 min Scan# 1783
Delta R.T. 0.04 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:202 Resp: 23858

Ion	Ratio	Lower	Upper
202	100		
101	22.0	0.0	34.1
203	65.9	0.0	38.1#





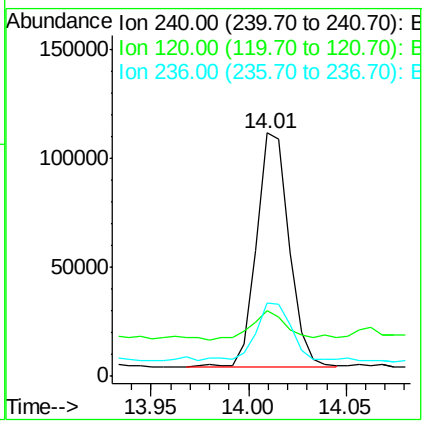
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.04 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

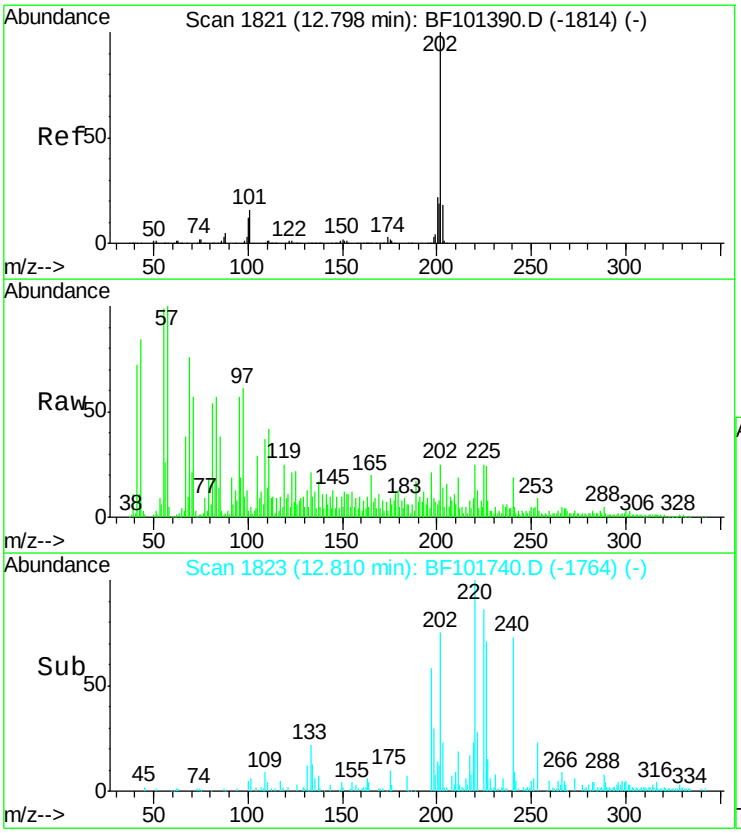
Tgt Ion:240 Resp: 124921

Ion	Ratio	Lower	Upper
240	100		
120	26.9	9.5	14.3#
236	30.3	20.7	31.1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

Manual Integrations APPROVED
Sohil
12/27/2017 4:15:19 PM

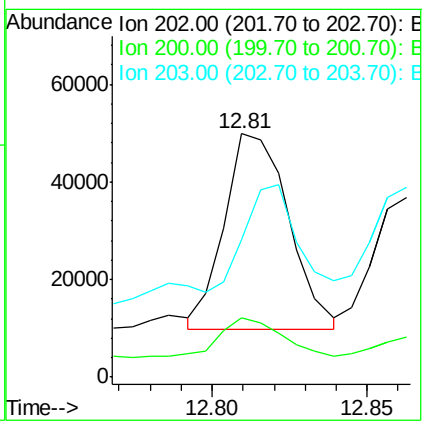


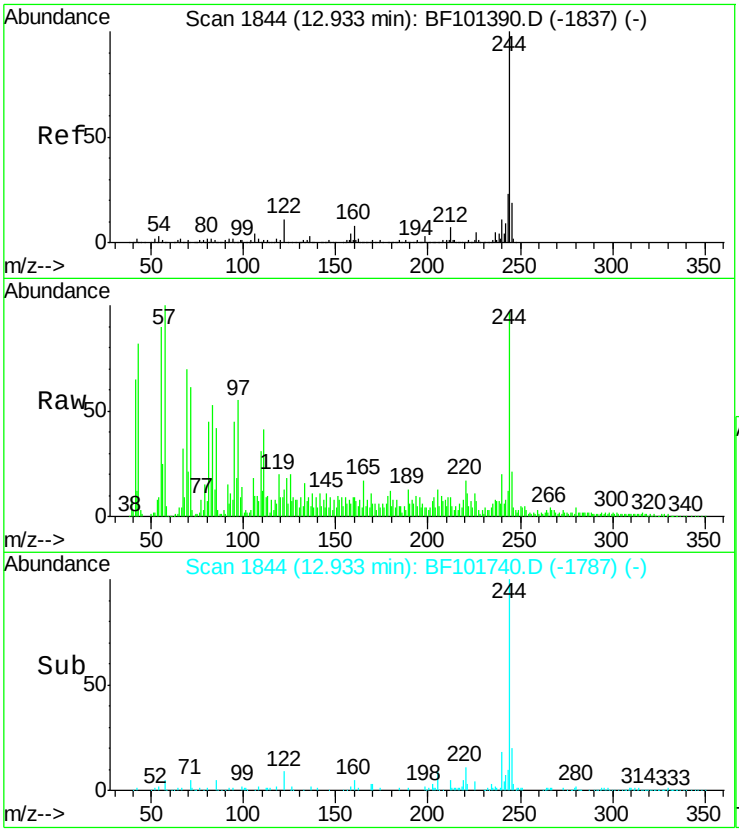


#77
Pyrene
Concen: 6.141 ng m
RT: 12.81 min Scan# 1823
Delta R.T. 0.05 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:202 Resp: 57569

Ion	Ratio	Lower	Upper
202	100		
200	24.4	17.4	26.2
203	56.2	14.3	21.5#





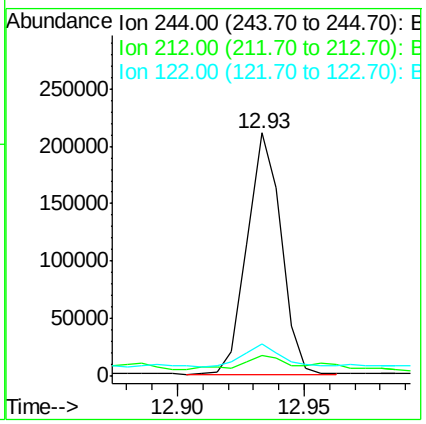
#78
Terphenyl-d14
Concen: 37.849 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.04 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

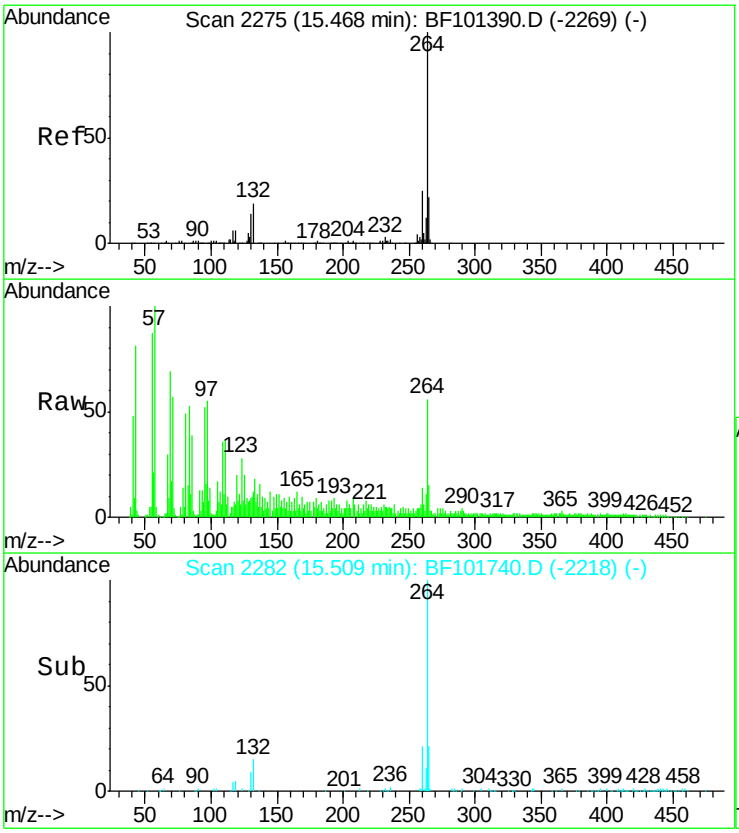
Tgt Ion:244 Resp: 196127

Ion	Ratio	Lower	Upper
244	100		
212	8.8	5.4	8.0#
122	13.1	11.0	16.4

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

Manual Integrations APPROVED
Sohil
12/27/2017 4:15:19 PM





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.08 min
Lab File: BF101740.D
Acq: 27 Dec 2017 3:20

Tgt Ion:264 Resp: 149311

Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.2	28.8
265	26.2	17.5	26.3