Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101898.D
Acq On : 4 Jan 2018 18:35
Operator : SJ/JU
Sample : J1033-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3(5)

Manual Integrations APPROVED
Sohil
1/5/2018 10:29:38 AM

Quant Time: Jan 05 00:40:19 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 04 14:22:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	154581	20.00	ng		0.00
21) Naphthalene-d8	8.05	136	607804	20.00	ng		0.00
38) Acenaphthene-d10	9.81	164	237594	20.00	ng		0.00
63) Phenanthrene-d10	11.30	188	344913	20.00	ng		0.00
75) Chrysene-d12	13.96	240	265688	20.00	ng		0.00
86) Perylene-d12	15.43	264	214547	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	209686	20.21	ng		0.02
7) Phenol-d6	6.44	99	282179	21.85	ng		0.02
23) Nitrobenzene-d5	7.35	82	172229	15.77	ng		0.00
41) 2,4,6-Tribromophenol	10.62	330	27855	12.17	ng		0.01
44) 2-Fluorobiphenyl	9.13	172	272565	17.80	ng		0.00
78) Terphenyl-d14	12.88	244	161034	14.61	ng		0.00
Target Compounds							Qvalue
70) Phenanthrene	11.33	178	118266	6.166	ng		99
74) Fluoranthene	12.52	202	146426	7.273	ng		98
77) Pyrene	12.76	202	145899	7.317	ng		99
80) Benzo(a)anthracene	13.94	228	73731m	4.203	ng		
82) Chrysene	13.99	228	68837	4.156	ng		99
87) Benzo(b)fluoranthene	15.00	252	72738m	5.562	ng		
89) Benzo(a)pyrene	15.37	252	50136	4.159	ng	#	93
91) Benzo(g,h,i)perylene	17.39	276	25782	2.516	ng	#	91

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

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Misc :
ALS Vial : 14 Sample Multiplier: 1

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QLast Update : Thu Jan 04 14:22:17 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-3(5)

Manual Integrations APPROVED
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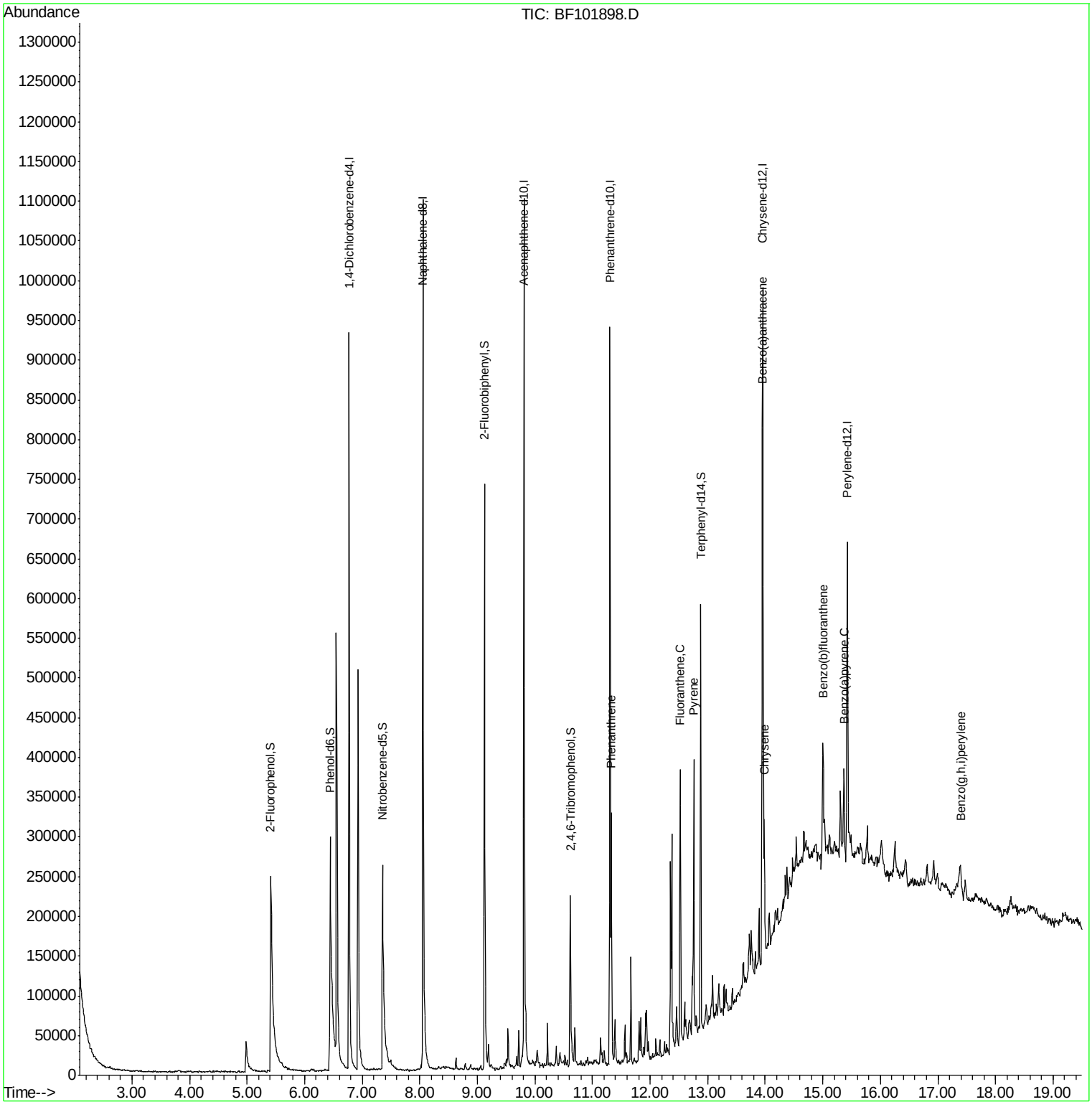
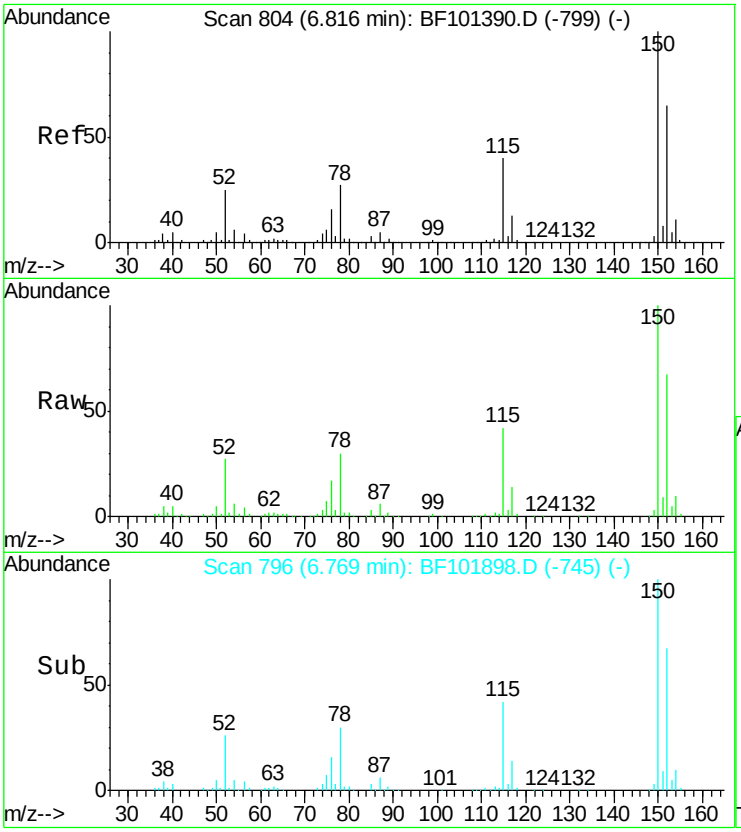
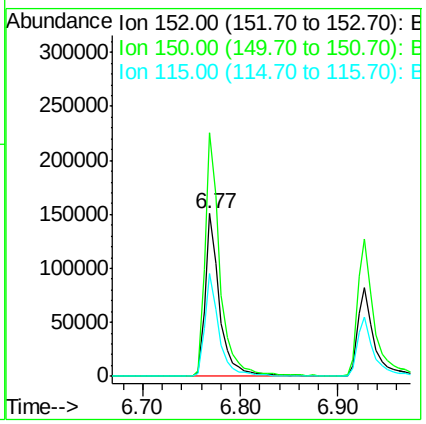




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:152 Resp: 154581

Ion	Ratio	Lower	Upper
152	100		
150	149.4	124.6	186.8
115	62.9	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
B-3(5)

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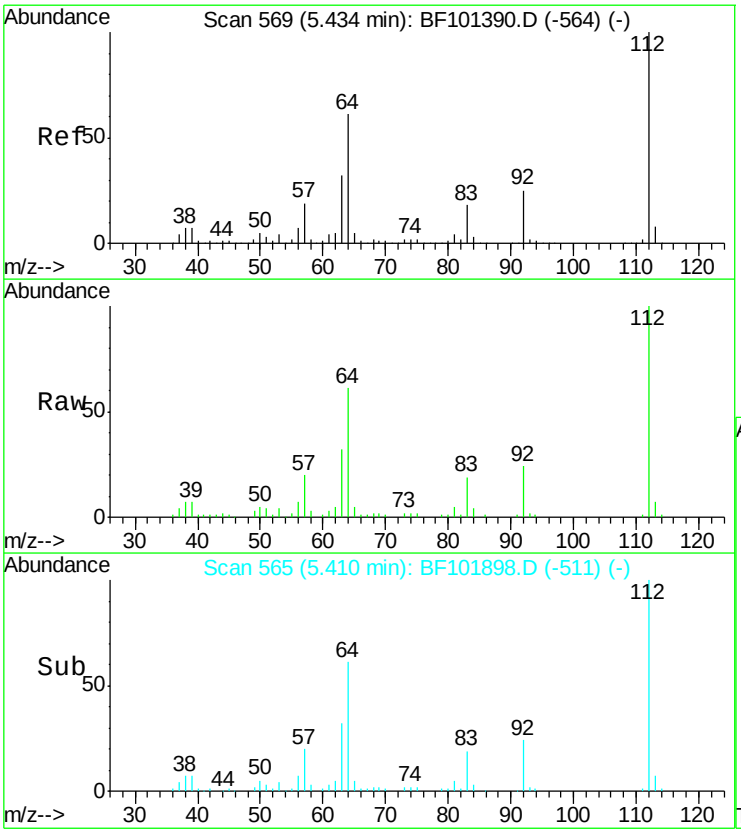
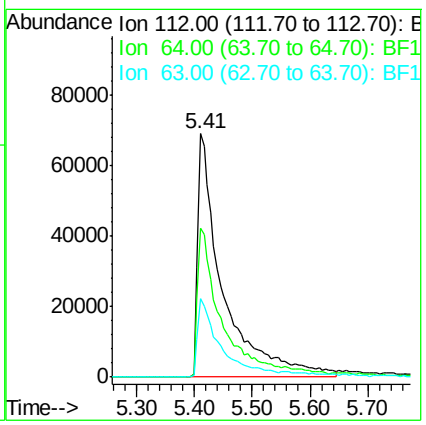
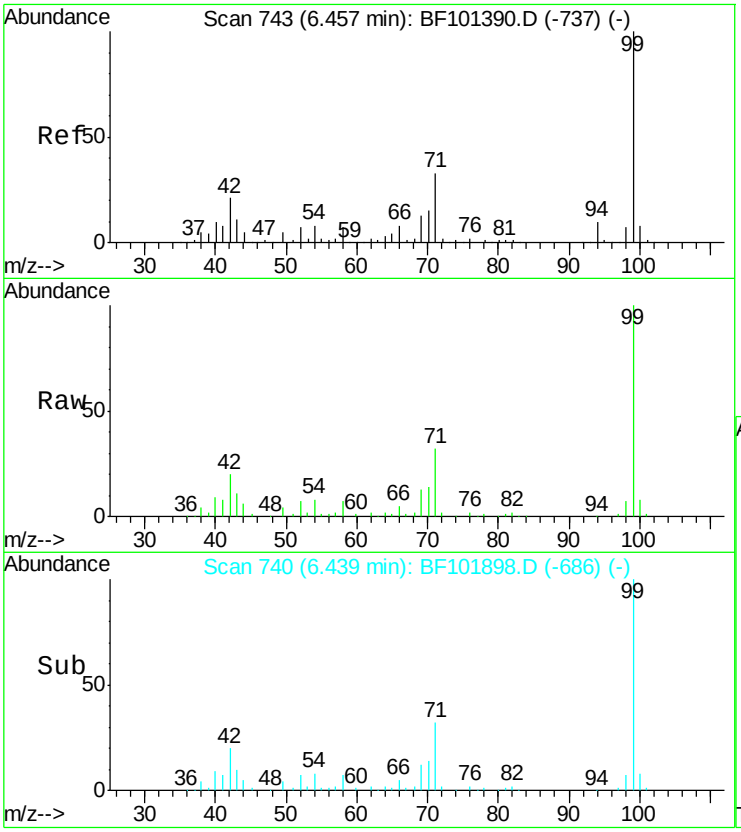


#5
2-Fluorophenol
Concen: 20.206 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.02 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:112 Resp: 209686

Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	32.2	23.7	35.5

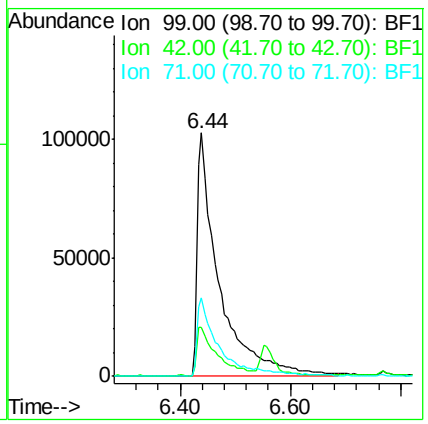




#7
Phenol-d6
Concen: 21.849 ng
RT: 6.44 min Scan# 740
Delta R.T. 0.02 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion: 99 Resp: 282179

Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.5	21.7
71	32.4	25.4	38.0



Instrument :
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ClientSampleId :
B-3(5)

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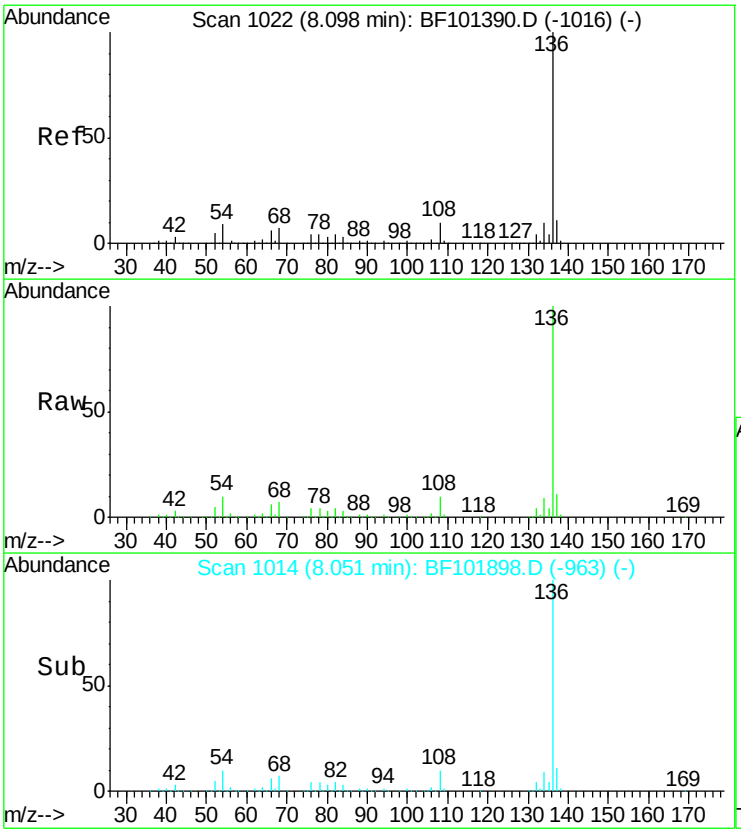
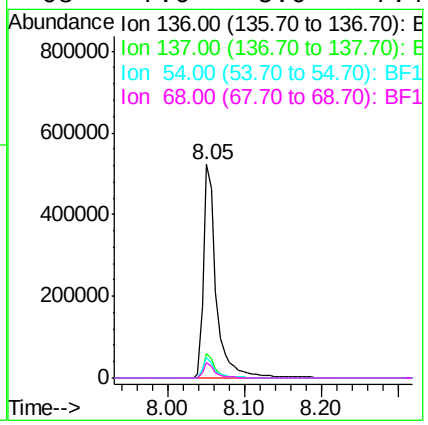
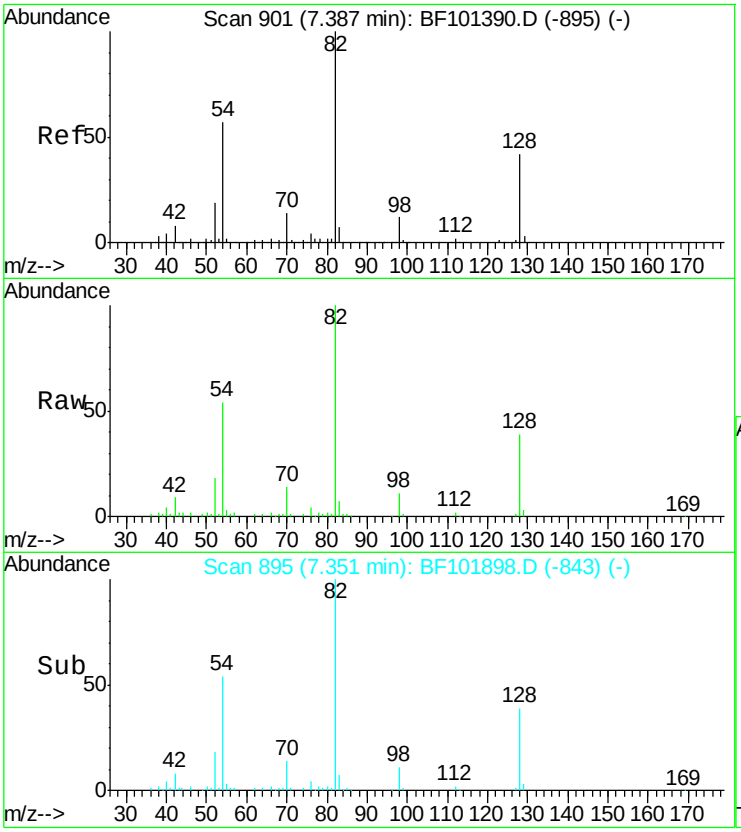


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:136 Resp: 607804

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.7	6.6	9.8
68	7.0	5.0	7.4

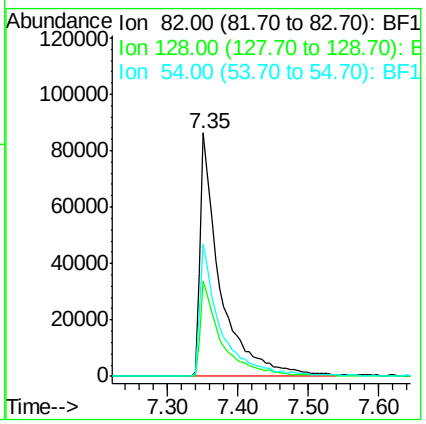




#23
Nitrobenzene-d5
Concen: 15.774 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.01 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion: 82 Resp: 172229

Ion	Ratio	Lower	Upper
82	100		
128	39.2	36.1	54.1
54	54.1	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
B-3(5)

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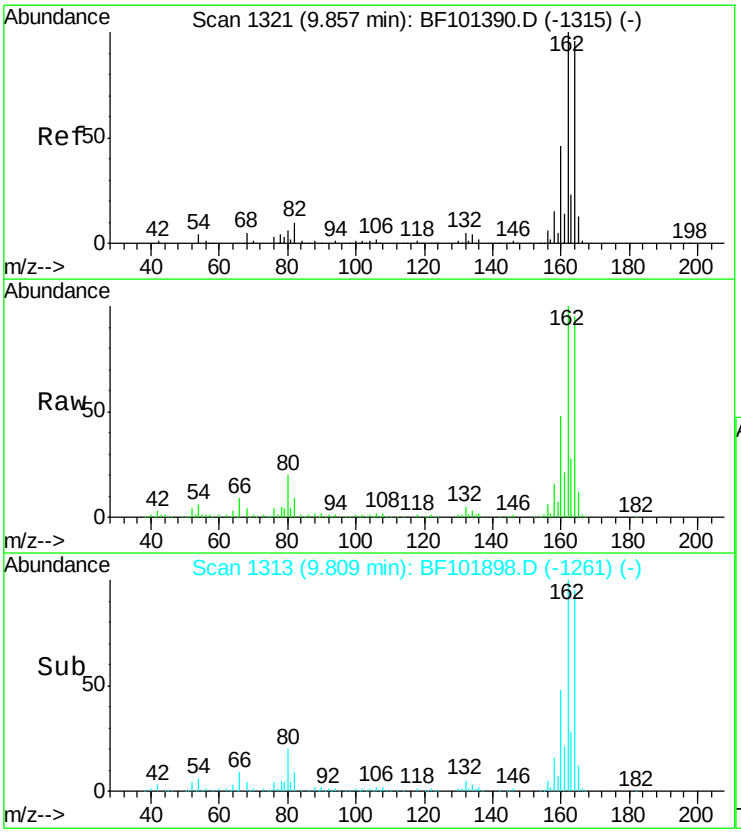
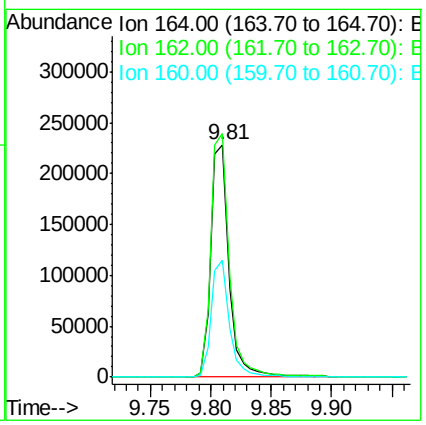
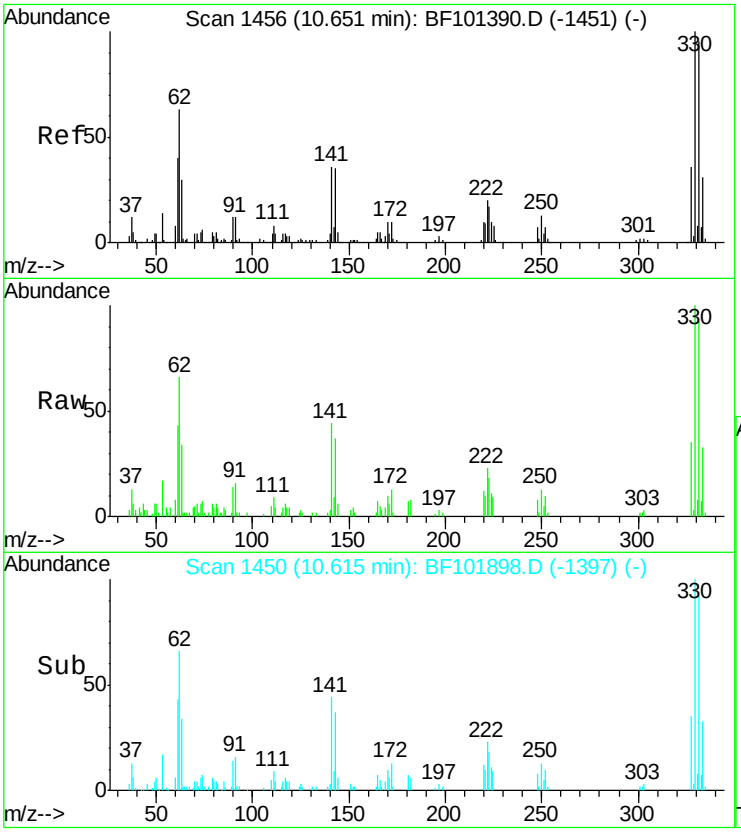


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.01 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:164 Resp: 237594

Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	50.2	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 12.167 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:330 Resp: 27855

Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.6
141	48.4	29.9	44.9#

Instrument :
BNA_F
ClientSampleId :
B-3(5)

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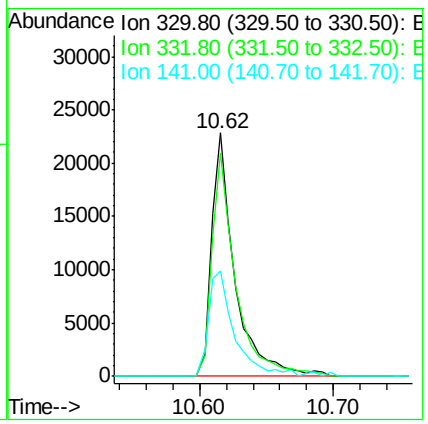
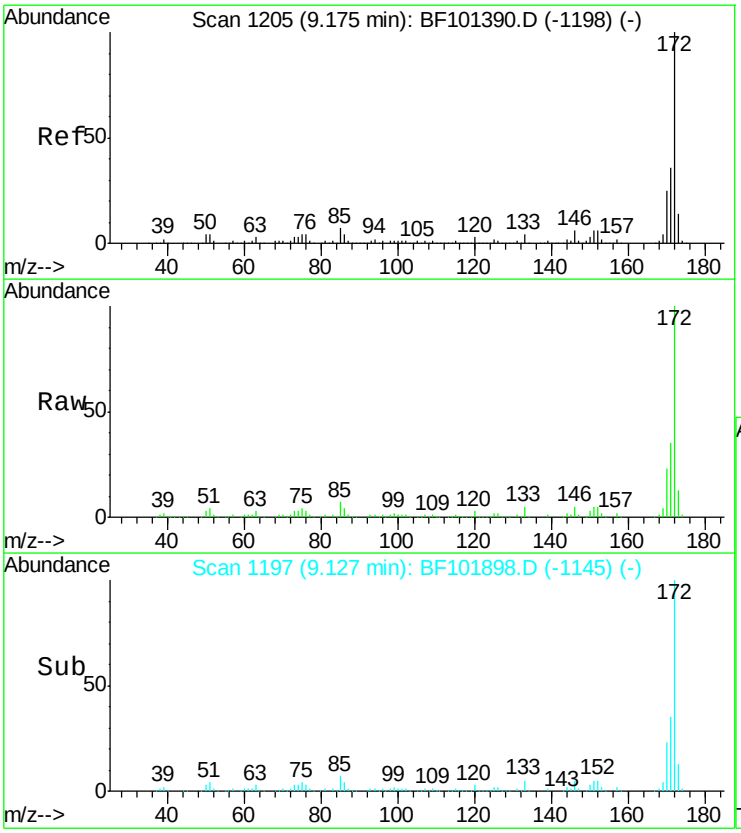
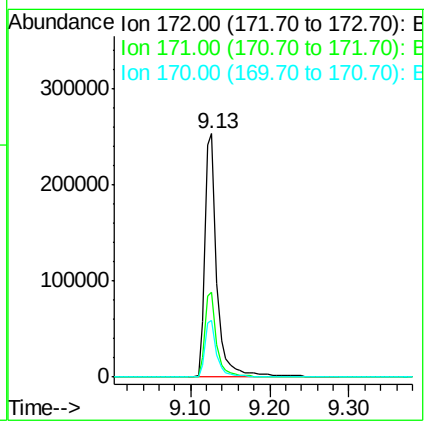


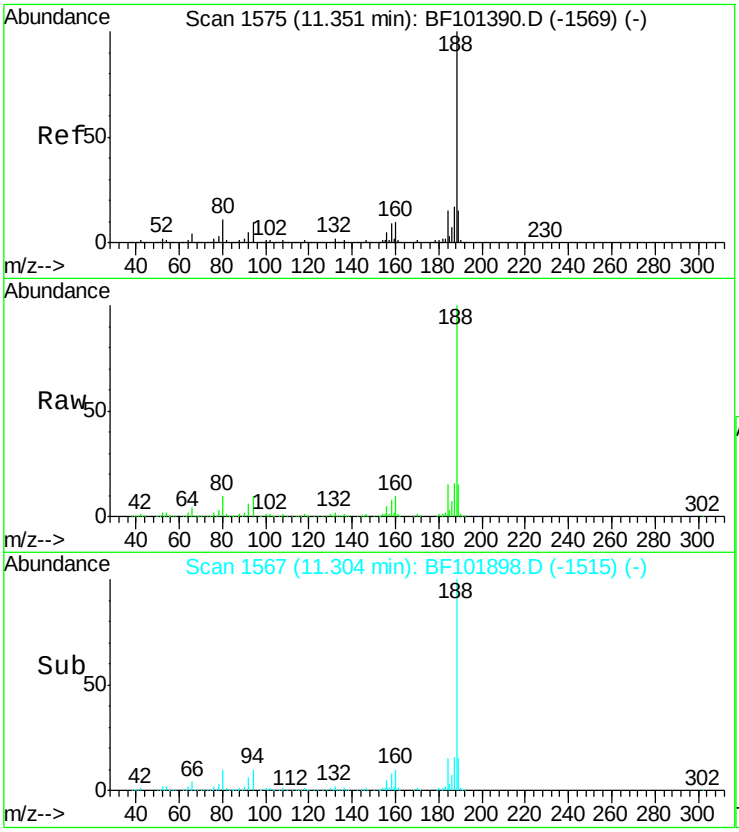


#44
2-Fluorobiphenyl
Concen: 17.796 ng
RT: 9.13 min Scan# 1197
Delta R.T. 0.01 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:172 Resp: 272565

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	23.3	19.6	29.4

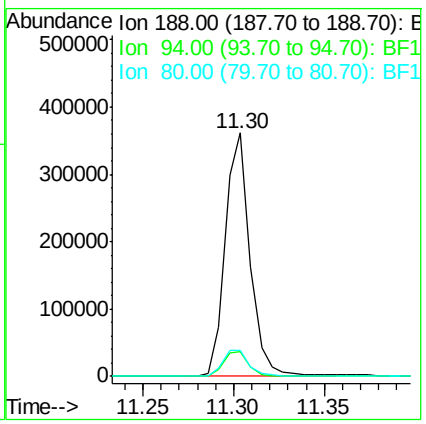




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:188 Resp: 344913

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.5	9.2	13.8



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ClientSampleId :
B-3(5)

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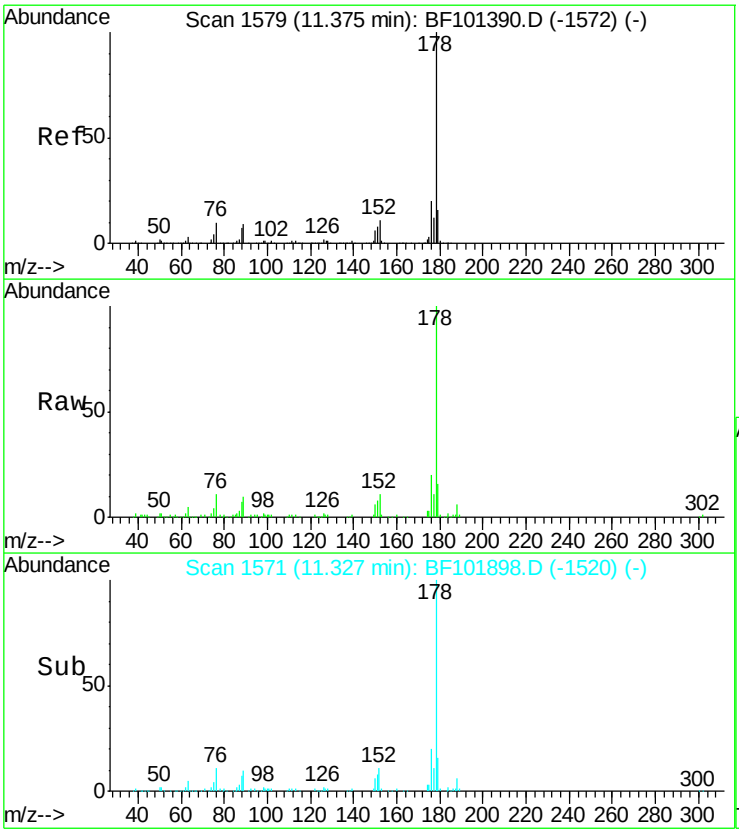
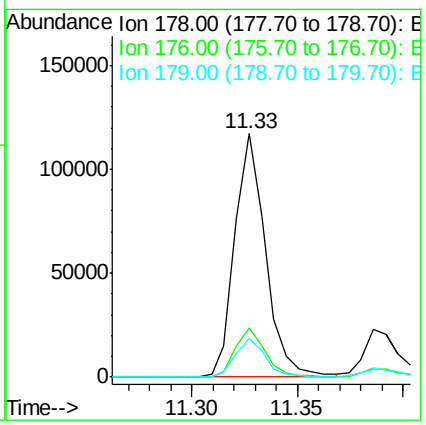
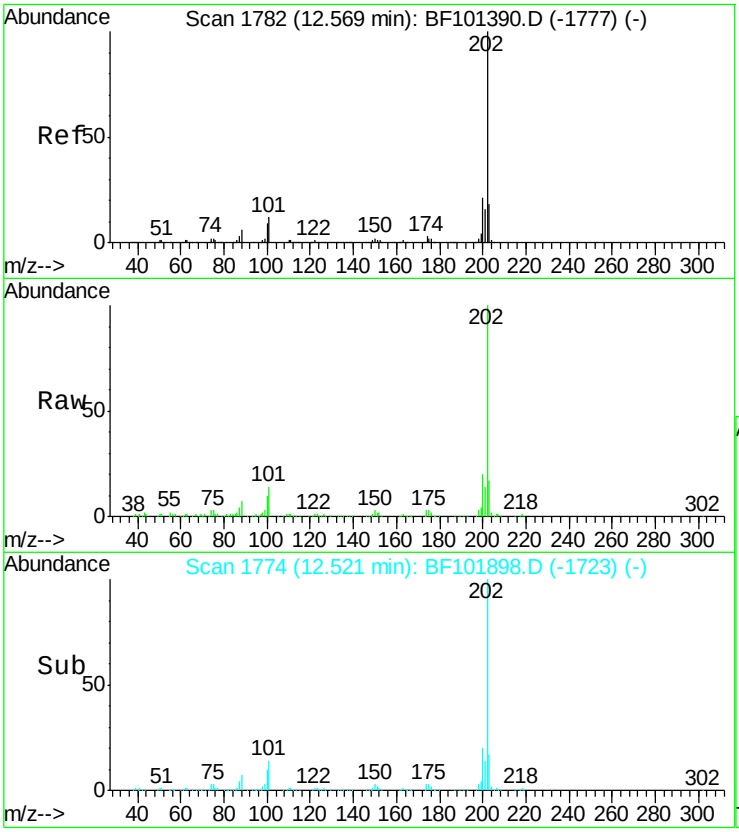


#70
Phenanthrene
Concen: 6.166 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:178 Resp: 118266

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	15.9	13.0	19.6

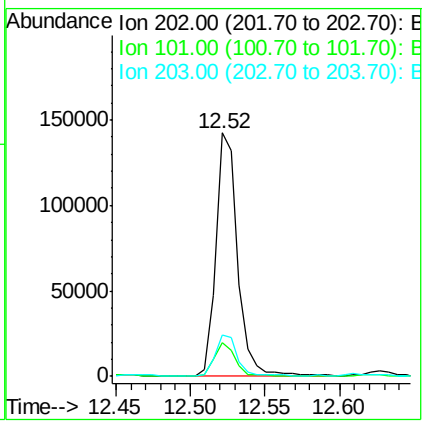




#74
Fluoranthene
Concen: 7.273 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.00 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:202 Resp: 146426

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.1
203	17.0	0.0	38.1



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ClientSampleId :
B-3(5)

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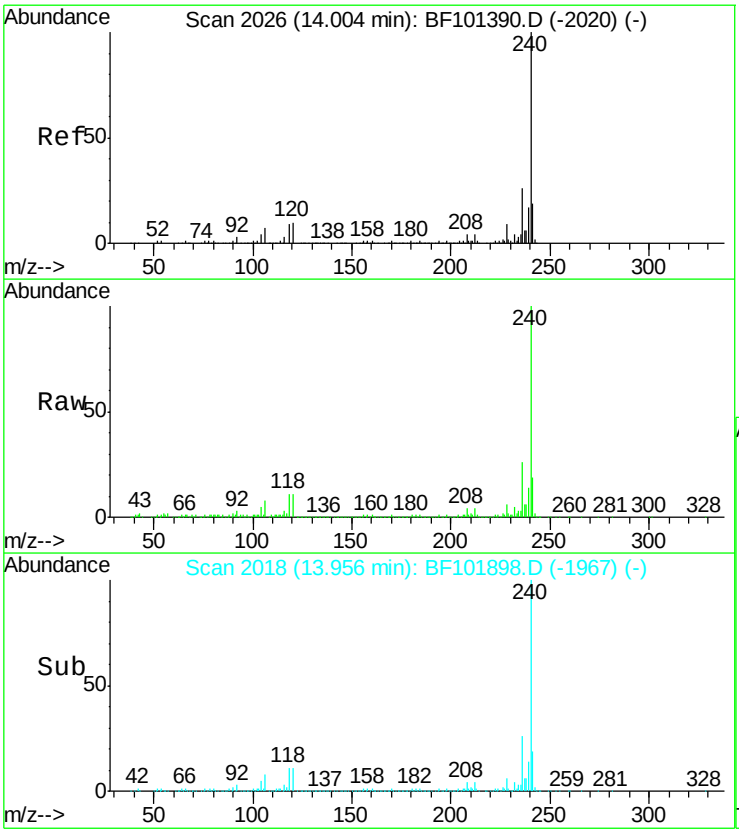
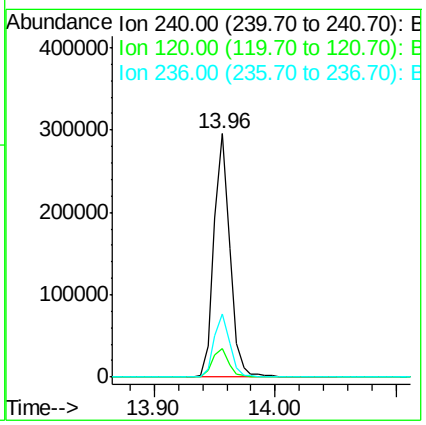
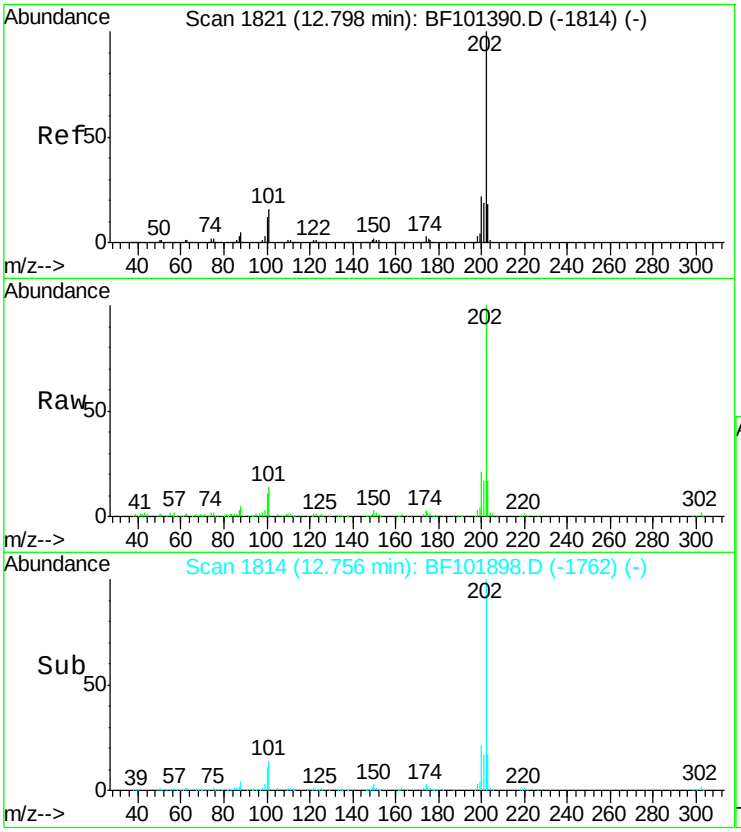


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:240 Resp: 265688

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.5	14.3
236	26.0	20.7	31.1

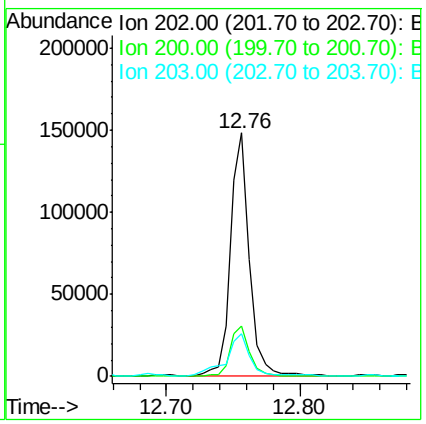




#77
Pyrene
Concen: 7.317 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:202 Resp: 145899

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.4	14.3	21.5



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B-3(5)

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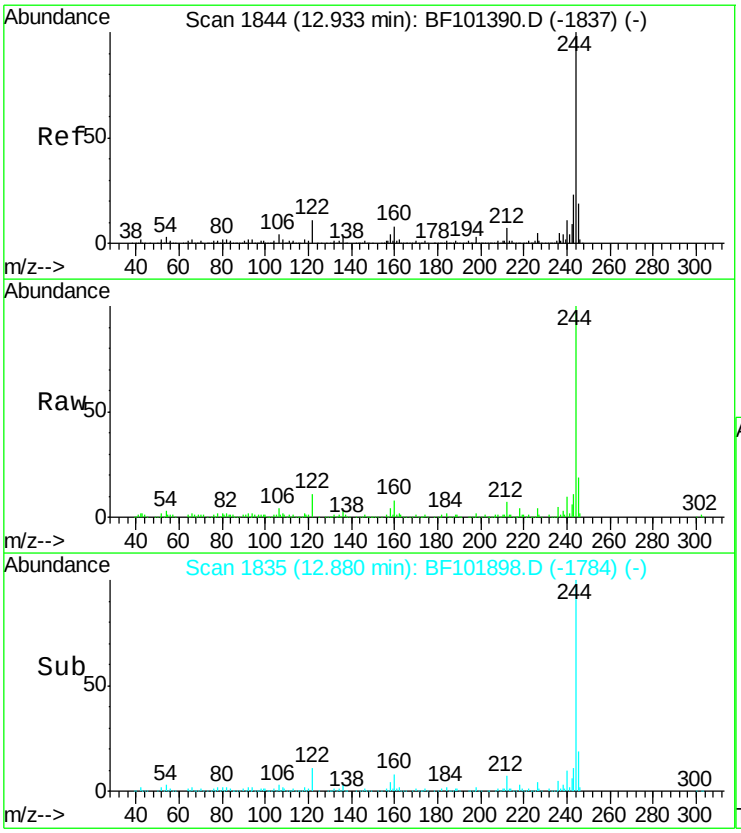
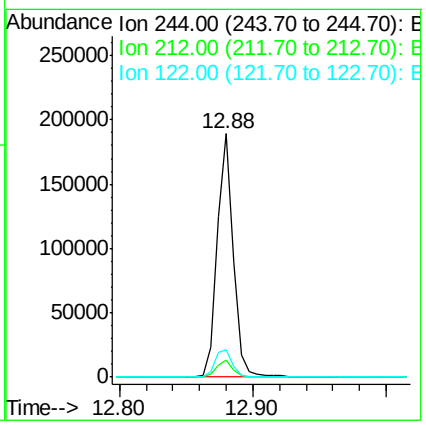
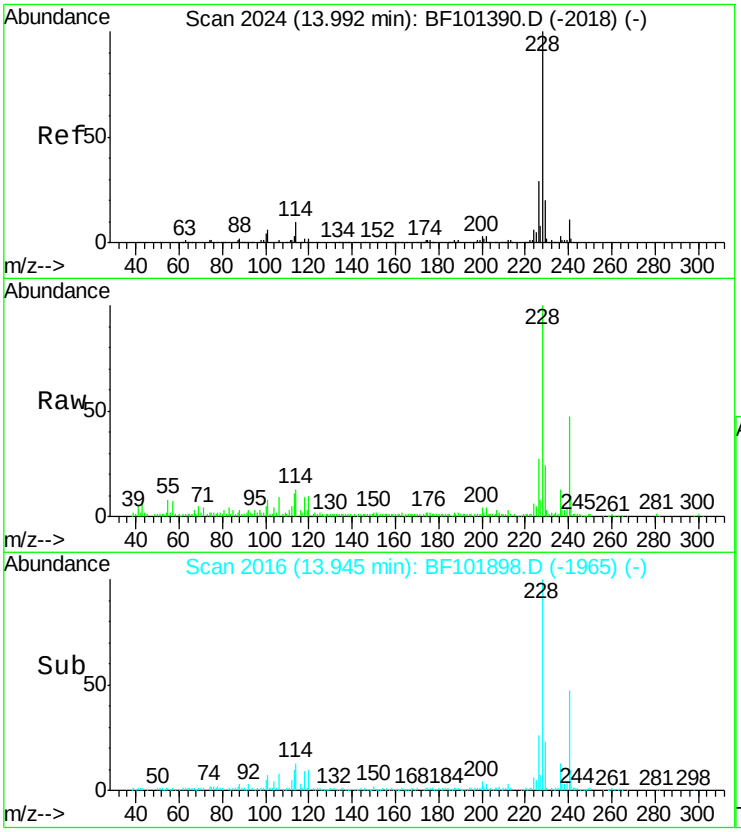


#78
Terphenyl-d14
Concen: 14.612 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:244 Resp: 161034

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.4	11.0	16.4





#80
Benzo(a)anthracene
Concen: 4.203 ng m
RT: 13.94 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:228 Resp: 73731

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	23.7	15.8	23.6#

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ClientSampleId :
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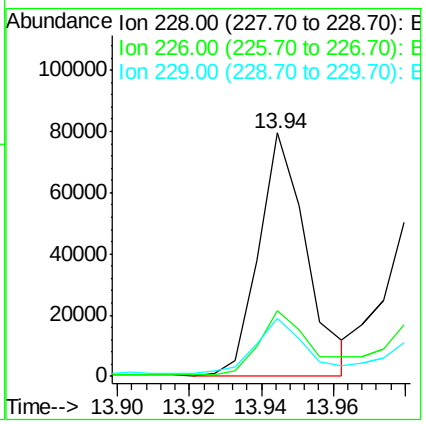
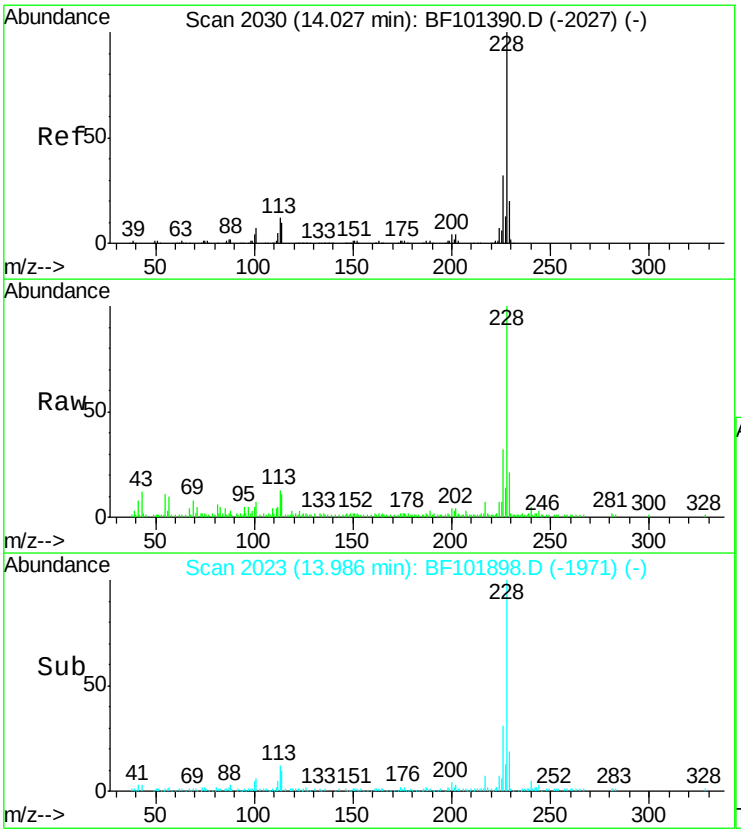
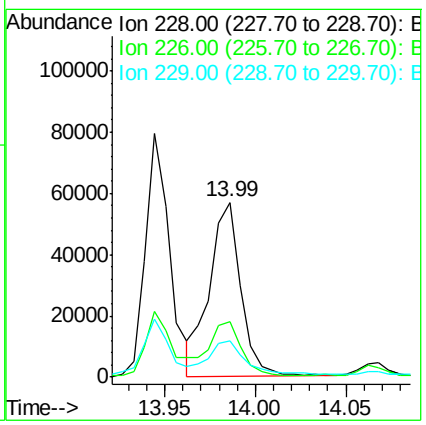


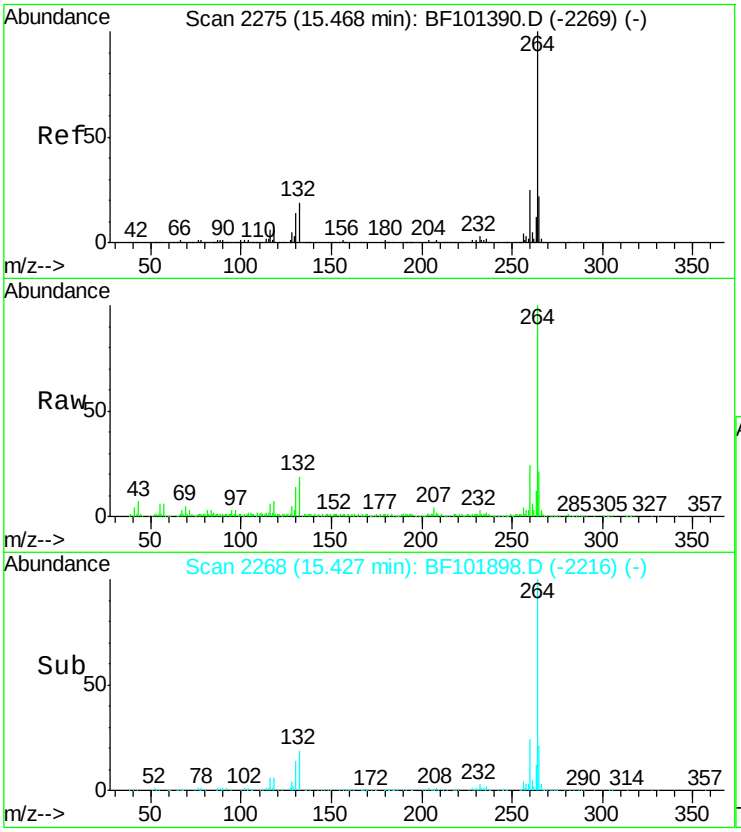


#82
Chrysene
Concen: 4.156 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:228 Resp: 68837

Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.0	37.6
229	20.6	16.2	24.4

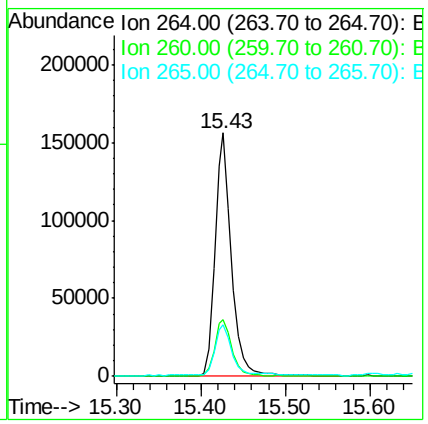




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

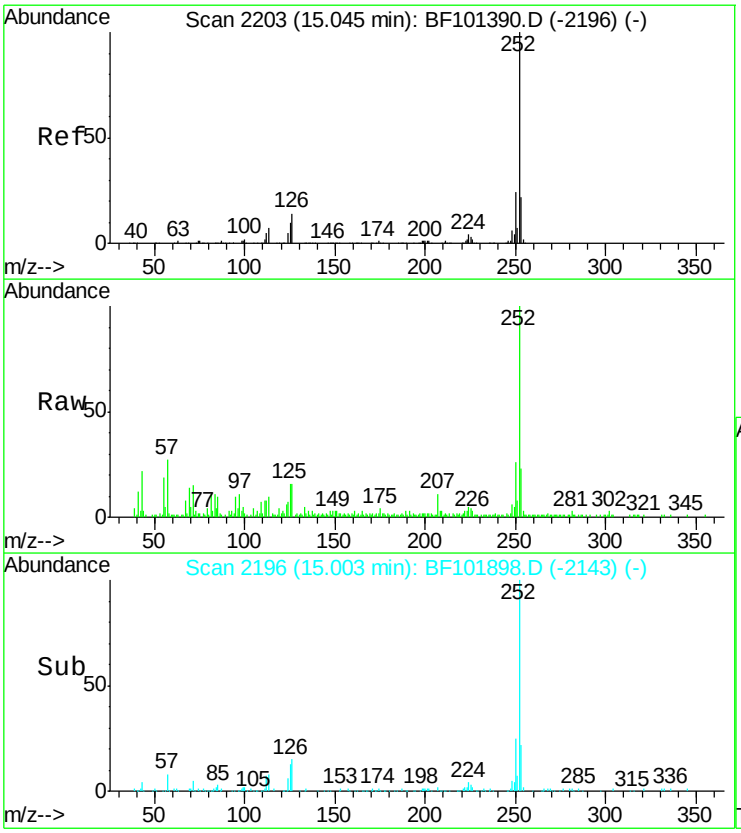
Tgt Ion:264 Resp: 214547

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.3	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
B-3(5)

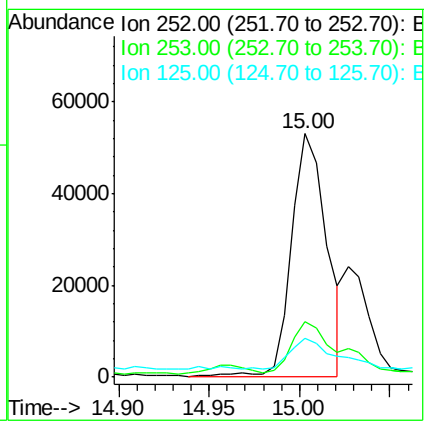
Manual Integrations APPROVED
Sohil
1/5/2018 10:29:38 AM

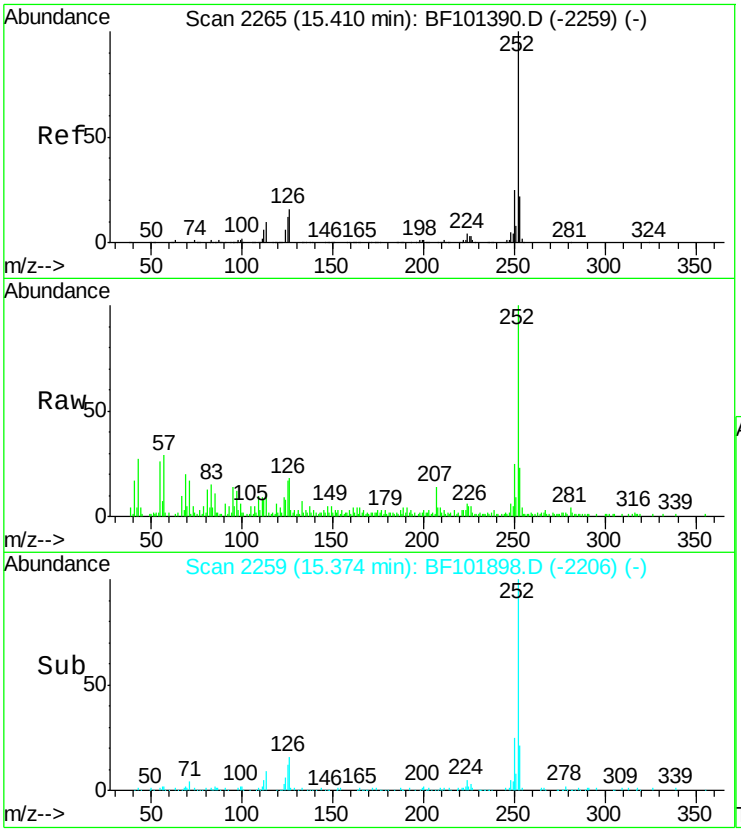


#87
Benzo(b)fluoranthene
Concen: 5.562 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:252 Resp: 72738

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	15.8	9.0	13.6#

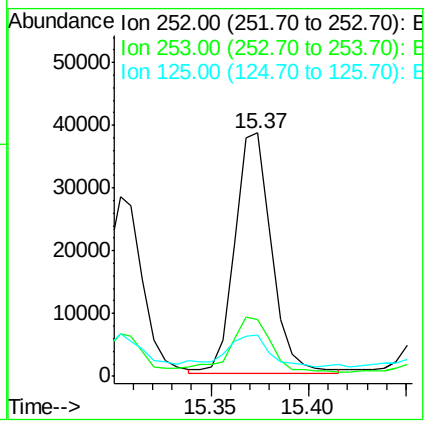




#89
Benzo(a)pyrene
Concen: 4.159 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

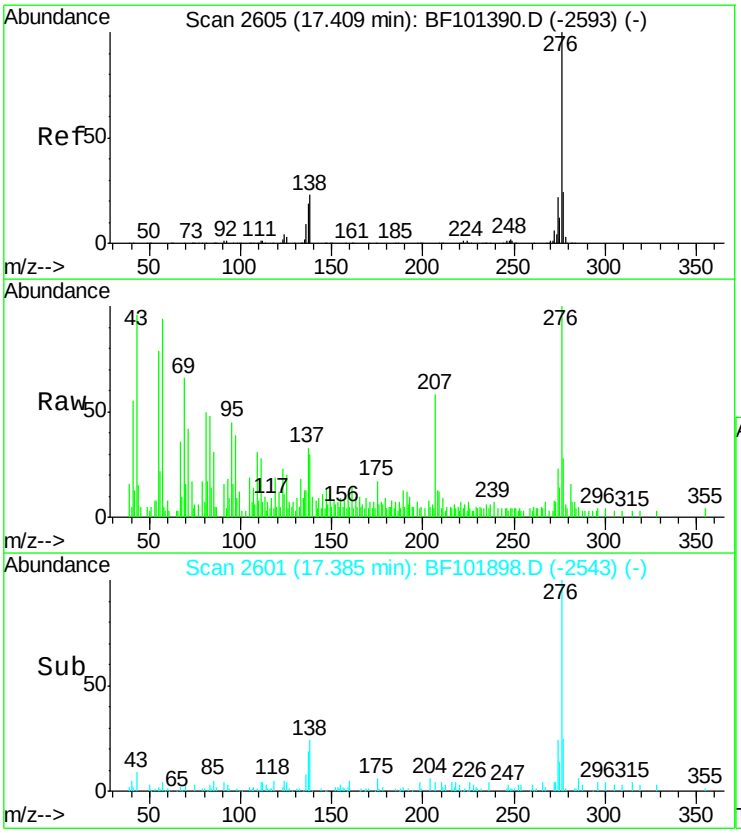
Tgt Ion:252 Resp: 50136

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	17.1	9.8	14.6#



Instrument :
BNA_F
ClientSampleId :
B-3(5)

Manual Integrations APPROVED
Sohil
1/5/2018 10:29:38 AM



#91
Benzo(g,h,i)perylene
Concen: 2.516 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.04 min
Lab File: BF101898.D
Acq: 4 Jan 2018 18:35

Tgt Ion:276 Resp: 25782

Ion	Ratio	Lower	Upper
276	100		
277	28.3	17.9	26.9#
138	30.2	21.8	32.8