Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114731.D
Acq On : 1 Jun 2019 2:20
Operator : HP/JU
Sample : K2966-06RX
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

Manual Integrations APPROVED
mohammad
6/3/2019 8:49:50 AM

Quant Time: Jun 01 03:44:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	452568	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1641914	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	747631	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1238974	20.00	ng	0.00
76) Chrysene-d12	13.82	240	792420	20.00	ng	0.00
87) Perylene-d12	15.21	264	760967	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	2532122	98.23	ng	0.02
7) Phenol-d6	6.34	99	3090300	99.49	ng	0.01
23) Nitrobenzene-d5	7.26	82	1957042	74.36	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	688929	96.71	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2928424	70.93	ng	0.00
79) Terphenyl-d14	12.78	244	2269150	53.84	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.35	94	119808	3.193	ng	93
49) Acenaphthylene	9.58	152	217962	3.099	ng	96
50) Dimethylphthalate	9.44	163	516452	9.913	ng	99
52) Acenaphthene	9.75	154	112523	2.609	ng	98
71) Phenanthrene	11.22	178	2018630	31.939	ng	99
72) Anthracene	11.27	178	471115	7.365	ng	96
73) Carbazole	11.42	167	206067	3.665	ng	97
75) Fluoranthene	12.40	202	3111104	47.538	ng	99
78) Pyrene	12.63	202	2978564	44.435	ng	100
81) Benzo(a)anthracene	13.81	228	1628097	26.736	ng	97
83) Chrysene	13.84	228	1526313	26.234	ng	97
86) Indeno(1,2,3-cd)pyrene	16.53	276	714129	12.255	ng	94
88) Benzo(b)fluoranthene	14.82	252	1942910m	40.538	ng	
89) Benzo(k)fluoranthene	14.84	252	467005m	11.210	ng	
90) Benzo(a)pyrene	15.15	252	1241166	29.478	ng	97
91) Dibenzo(a,h)anthracene	16.54	278	196966	5.294	ng	92
92) Benzo(g,h,i)perylene	16.93	276	650935	18.026	ng	99

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

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BNA_F
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FESB-18(2.5-3.0)RX

Manual Integrations APPROVED
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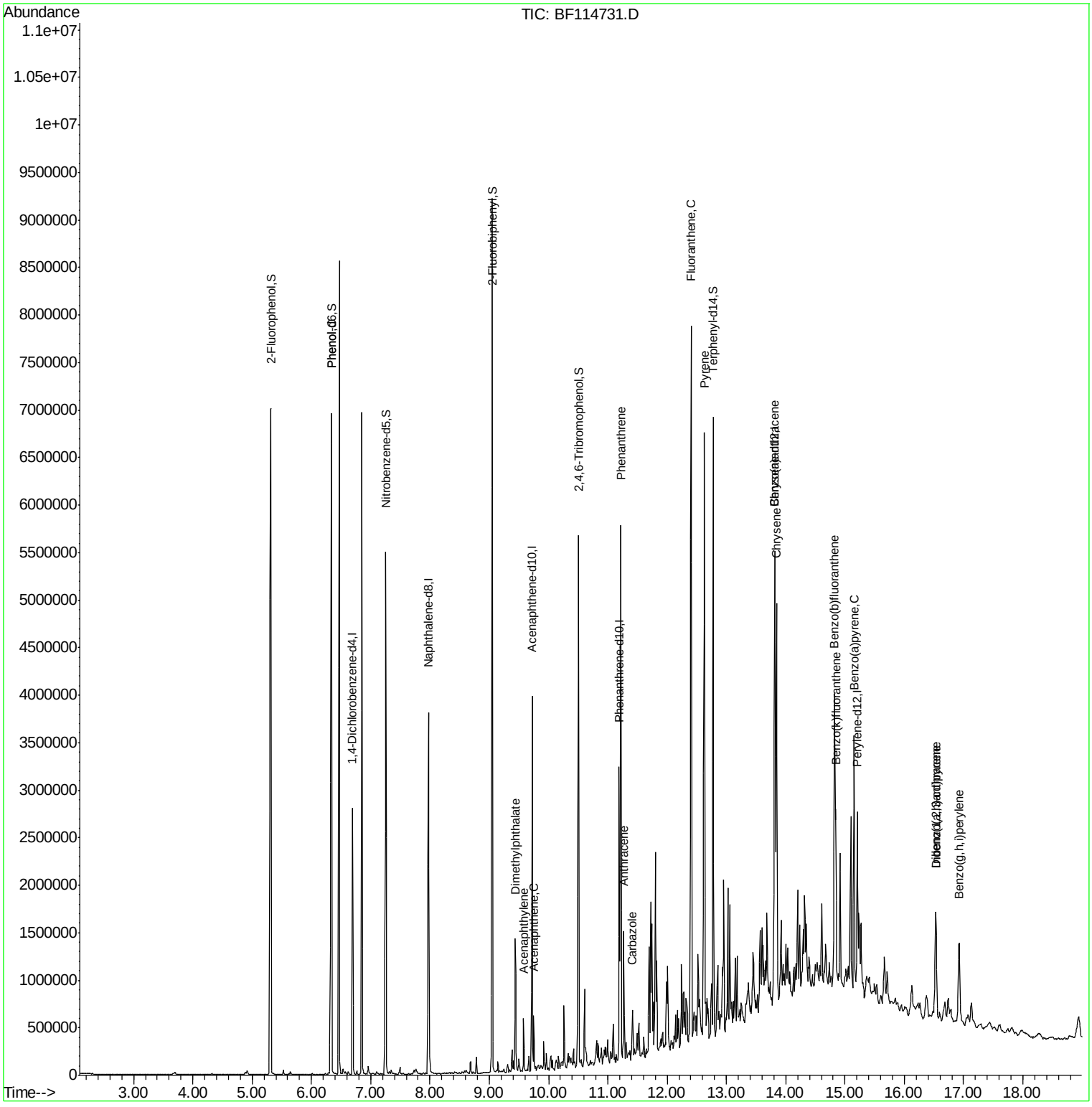
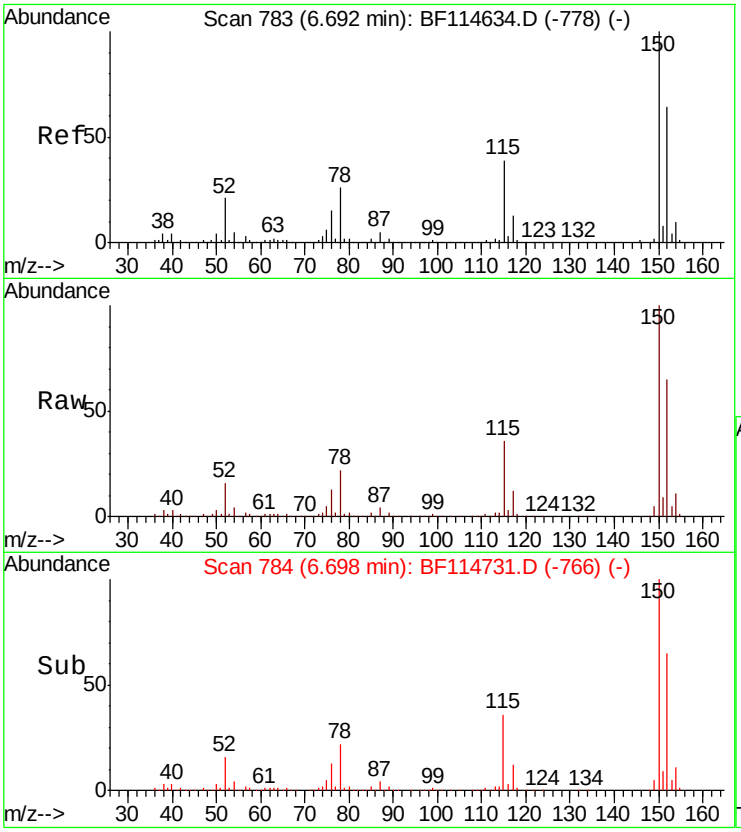
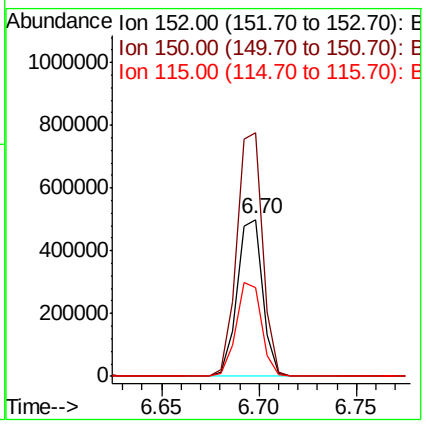




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:152 Resp: 452568

Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.4	186.6
115	56.5	48.7	73.1



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

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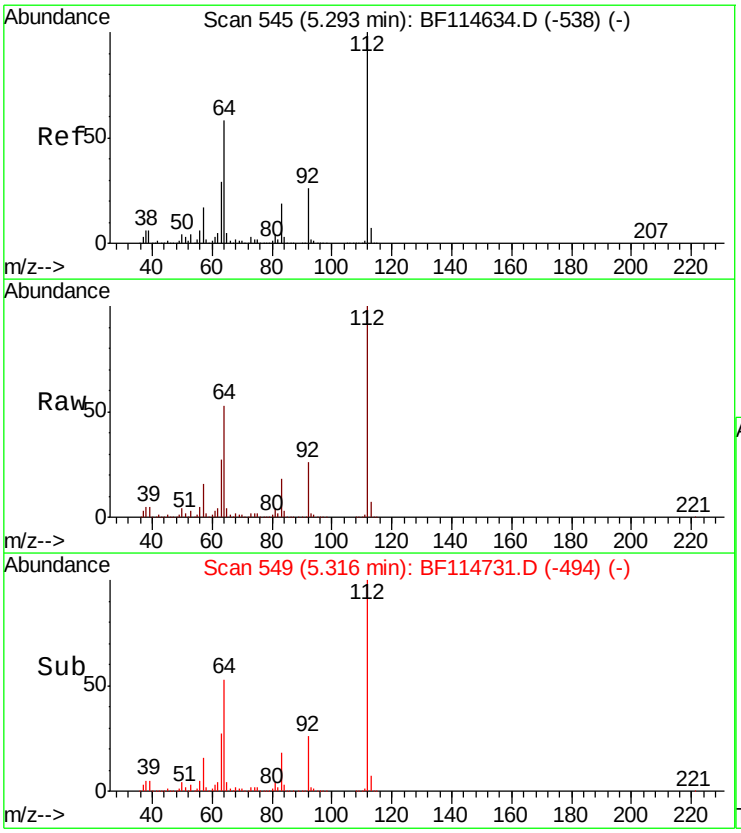
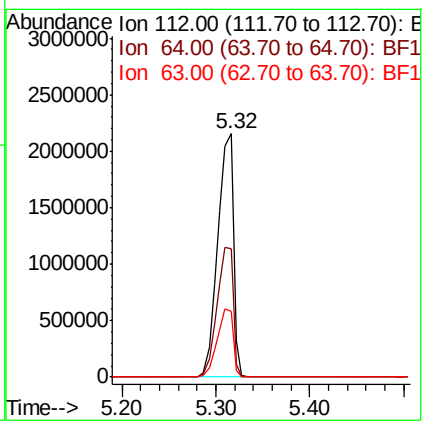
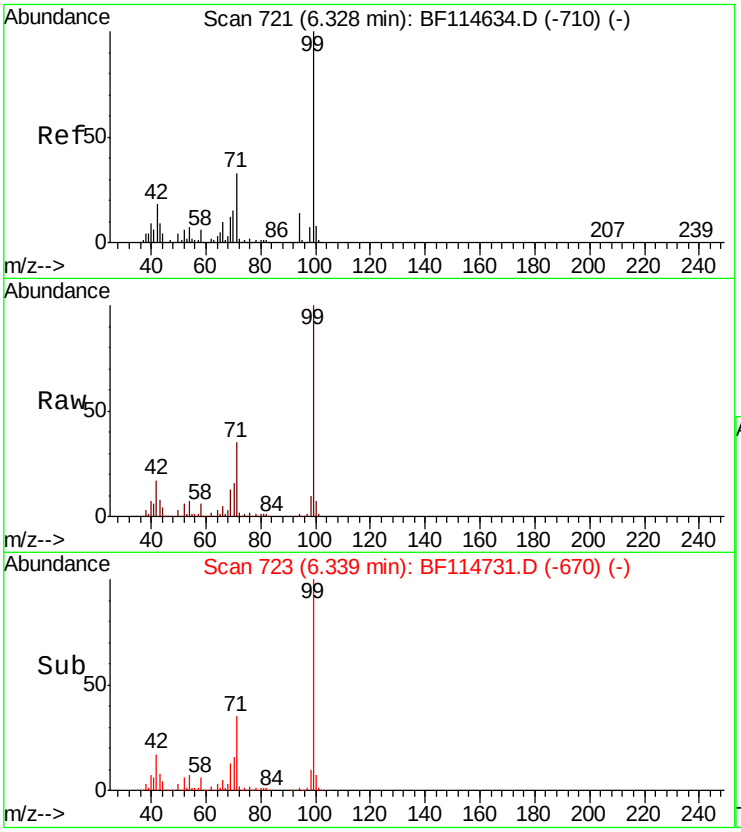


#5
2-Fluorophenol
Concen: 98.232 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.02 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:112 Resp: 2532122

Ion	Ratio	Lower	Upper
112	100		
64	52.6	46.1	69.1
63	27.2	23.4	35.2

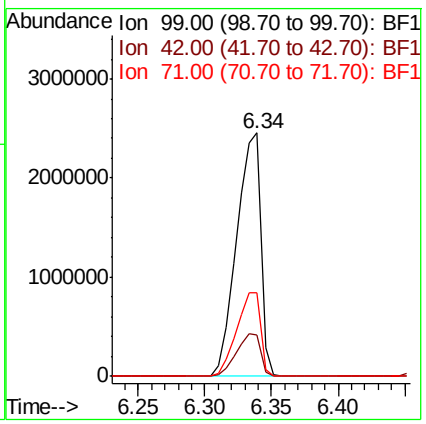




#7
Phenol-d6
Concen: 99.488 ng
RT: 6.34 min Scan# 723
Delta R.T. 0.01 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion: 99 Resp: 3090300

Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.7	22.1
71	34.6	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

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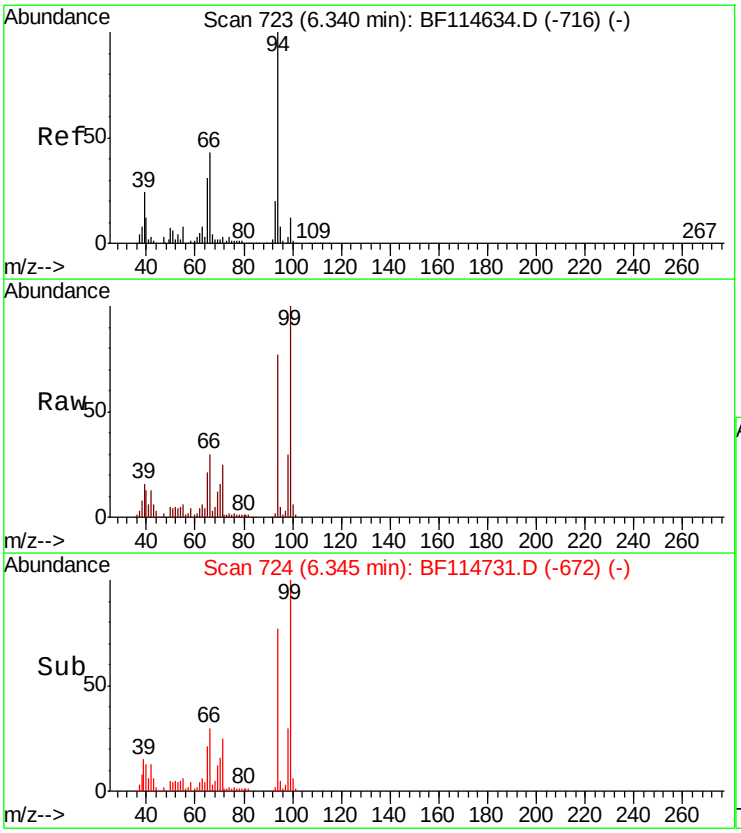
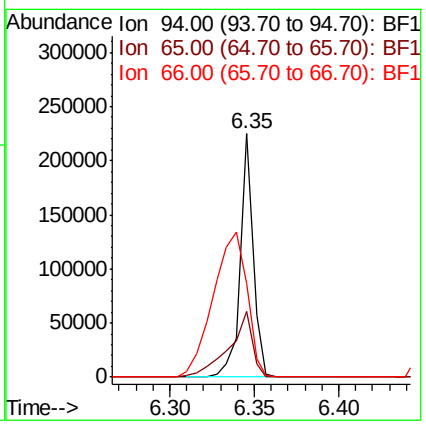
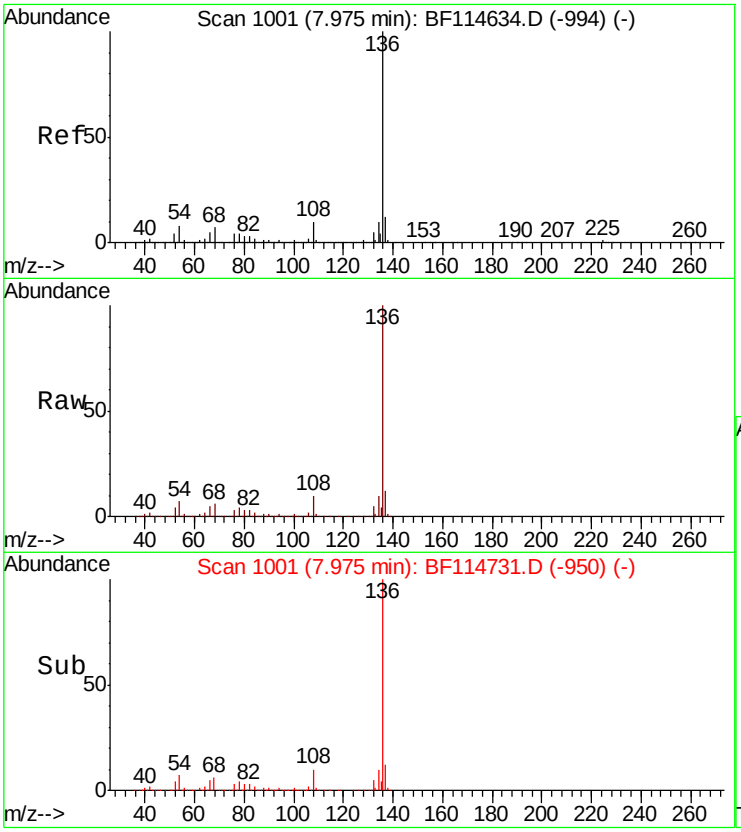


#10
Phenol
Concen: 3.193 ng
RT: 6.35 min Scan# 724
Delta R.T. 0.01 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion: 94 Resp: 119808

Ion	Ratio	Lower	Upper
94	100		
65	27.0	11.0	51.0
66	38.3	23.0	63.0

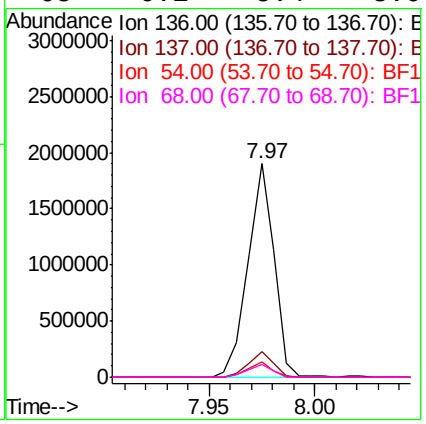




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:136 Resp: 1641914

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.3	13.9
54	7.2	6.3	9.5
68	6.1	5.4	8.0



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

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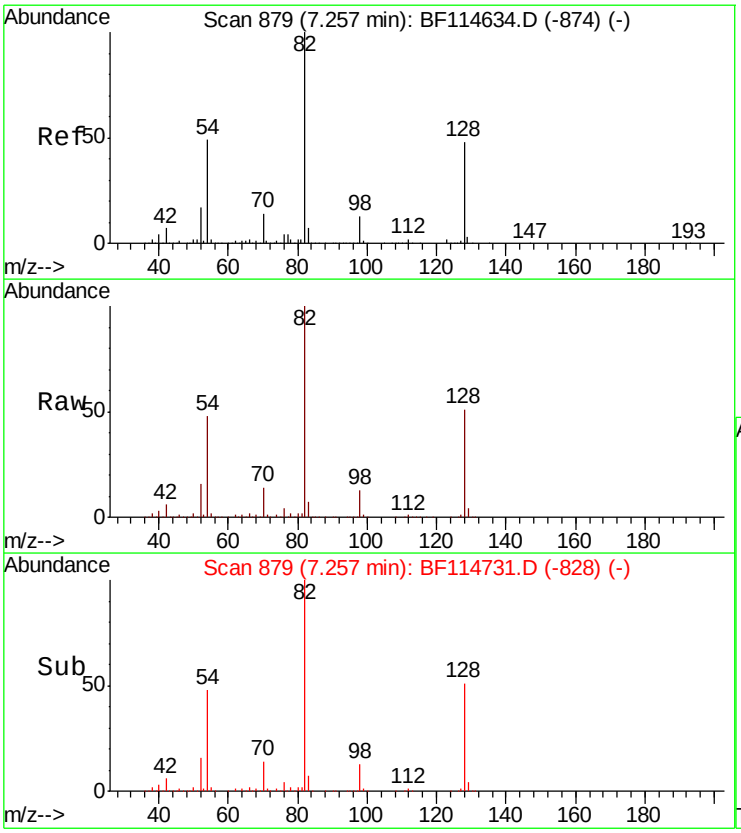
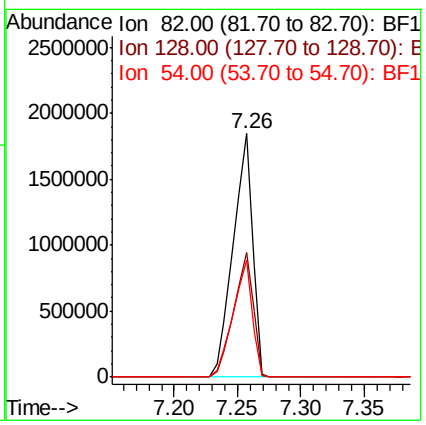
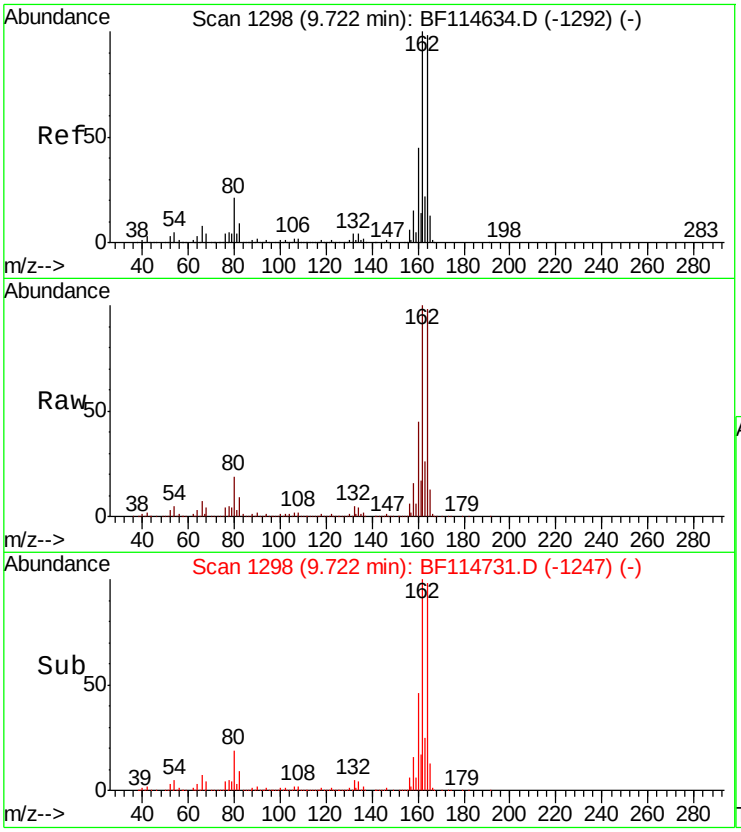


#23
Nitrobenzene-d5
Concen: 74.363 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion: 82 Resp: 1957042

Ion	Ratio	Lower	Upper
82	100		
128	51.2	38.5	57.7
54	48.2	39.1	58.7

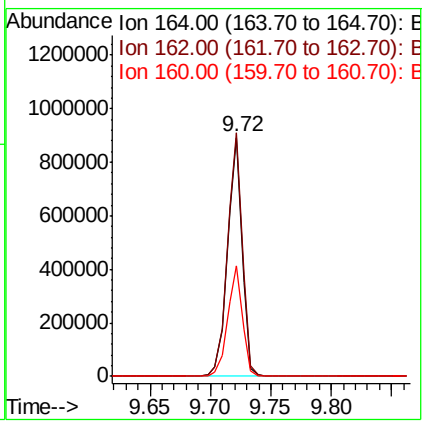




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:164 Resp: 747631

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.4	122.2
160	46.4	36.6	54.8



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

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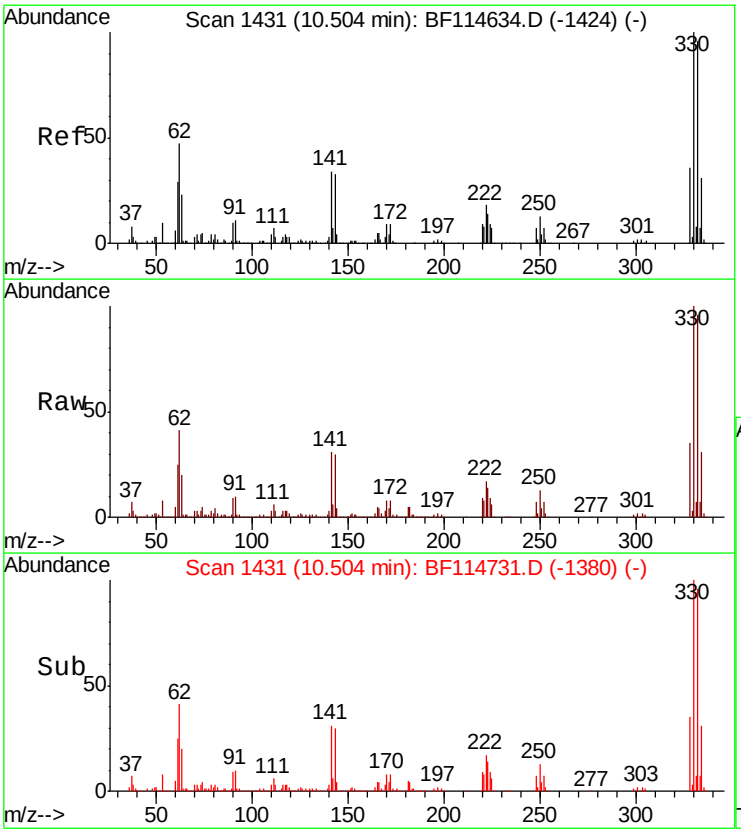
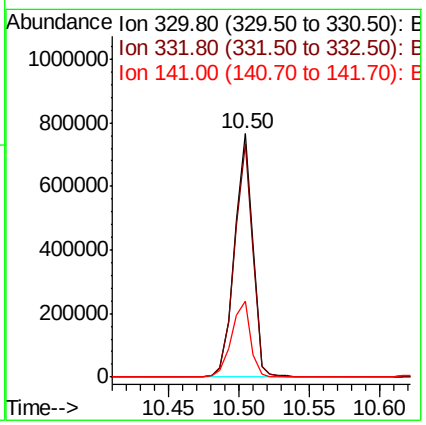
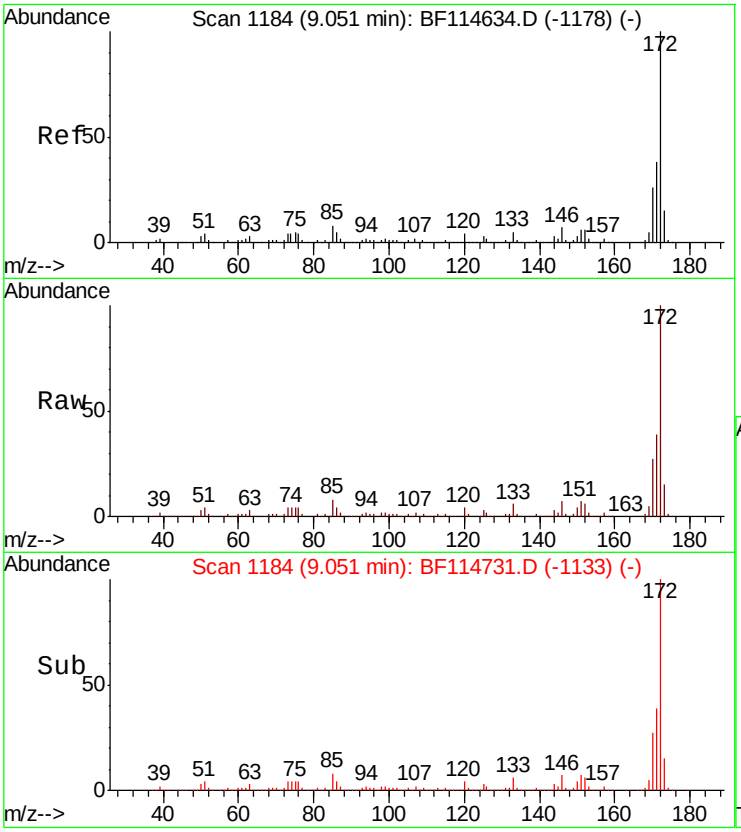


#42
2,4,6-Tribromophenol
Concen: 96.709 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:330 Resp: 688929

Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.8	113.8
141	32.7	27.8	41.8

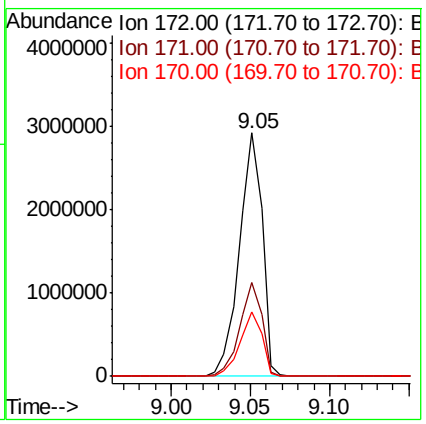




#45
2-Fluorobiphenyl
Concen: 70.930 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:172 Resp: 2928424

Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.6	45.8
170	26.6	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

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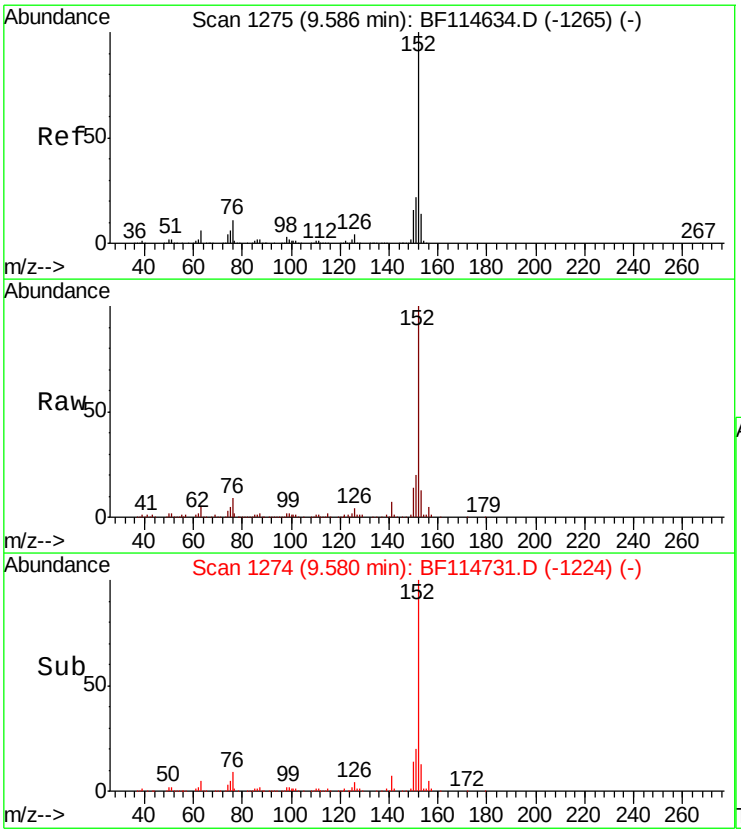
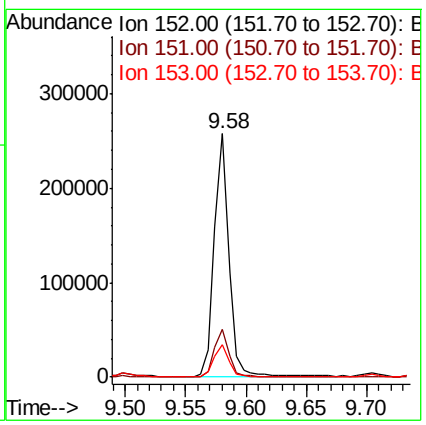
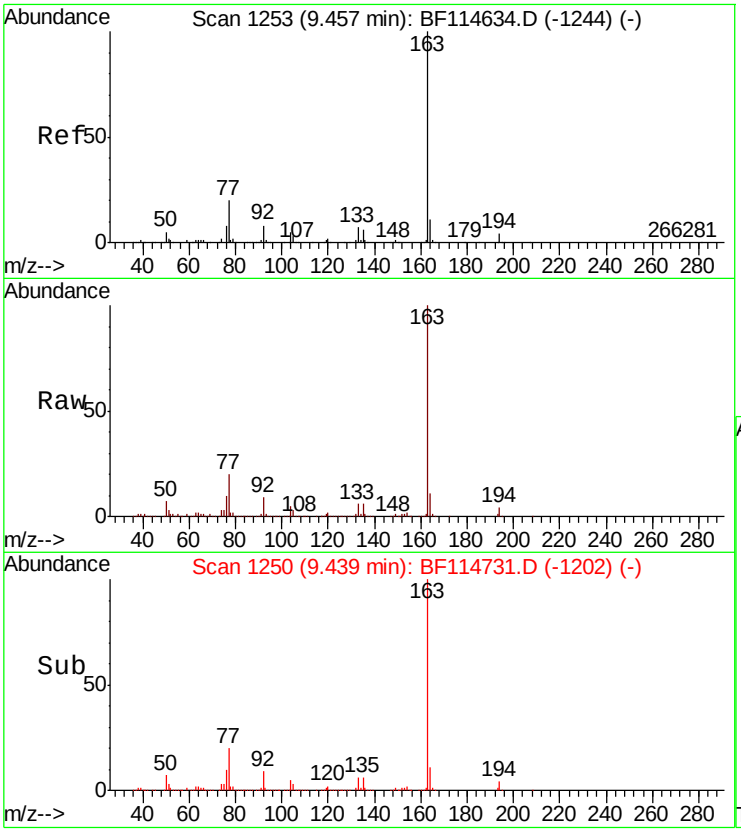


#49
Acenaphthylene
Concen: 3.099 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:152 Resp: 217962

Ion	Ratio	Lower	Upper
152	100		
151	19.8	17.5	26.3
153	13.2	11.6	17.4

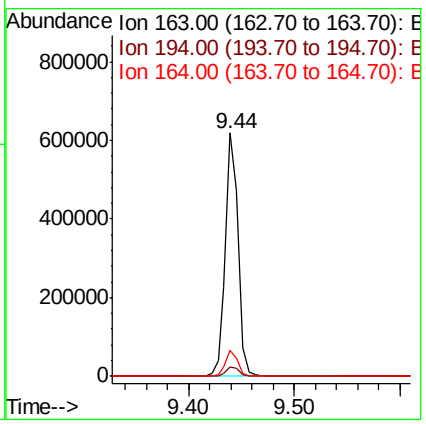




#50
Dimethylphthalate
Concen: 9.913 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:163 Resp: 516452

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	10.7	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

Manual Integrations APPROVED
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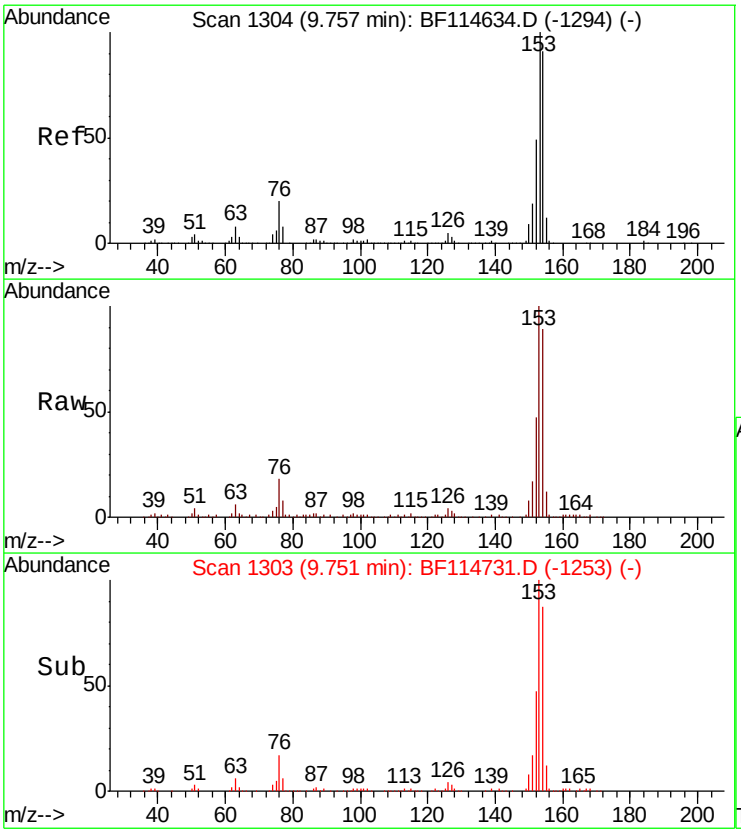
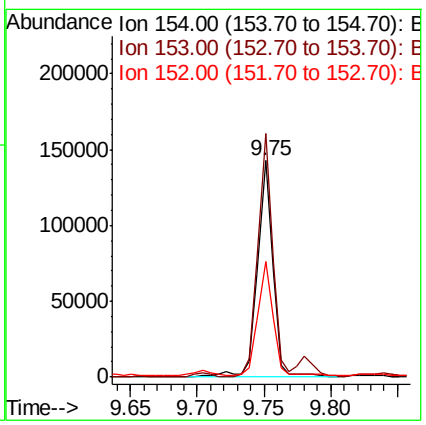
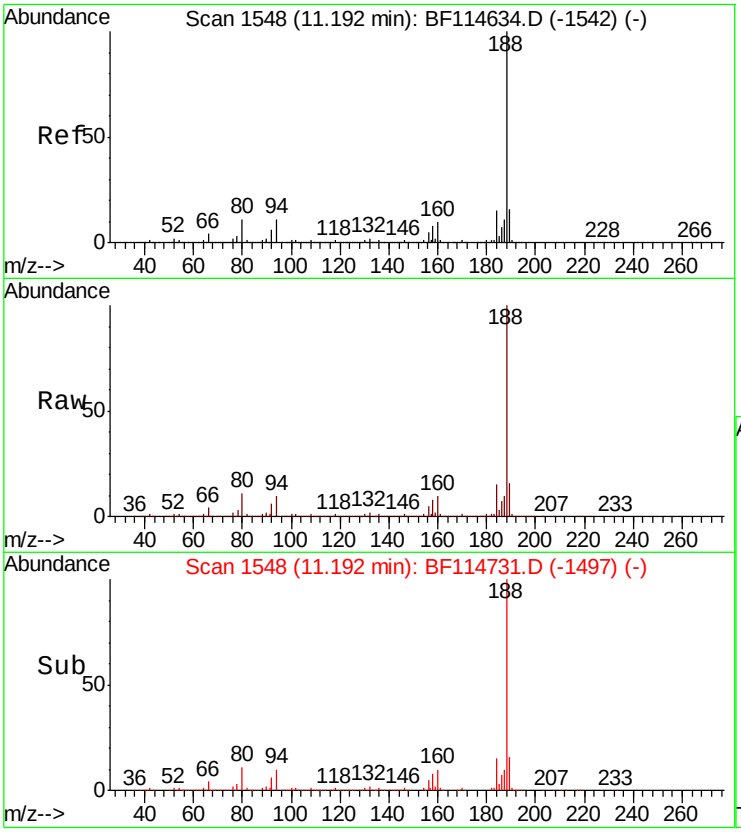


#52
Acenaphthene
Concen: 2.609 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:154 Resp: 112523

Ion	Ratio	Lower	Upper
154	100		
153	112.5	88.4	132.6
152	53.2	43.4	65.0

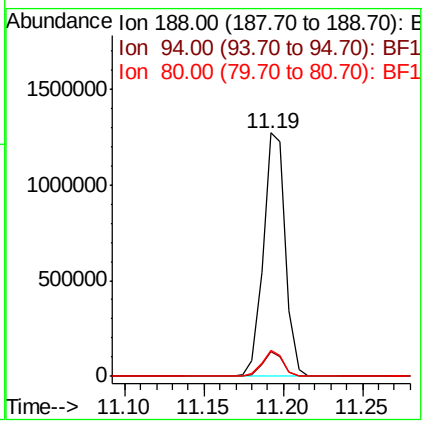




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:188 Resp: 1238974

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.6	13.0
80	10.9	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

Manual Integrations APPROVED
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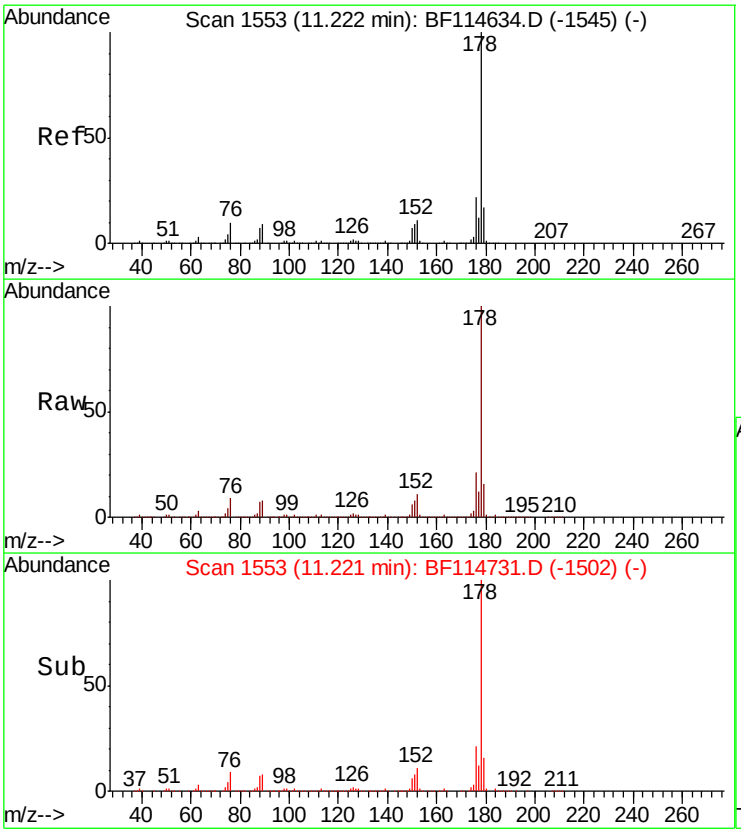
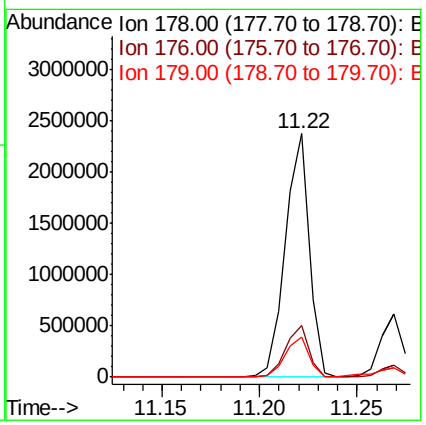
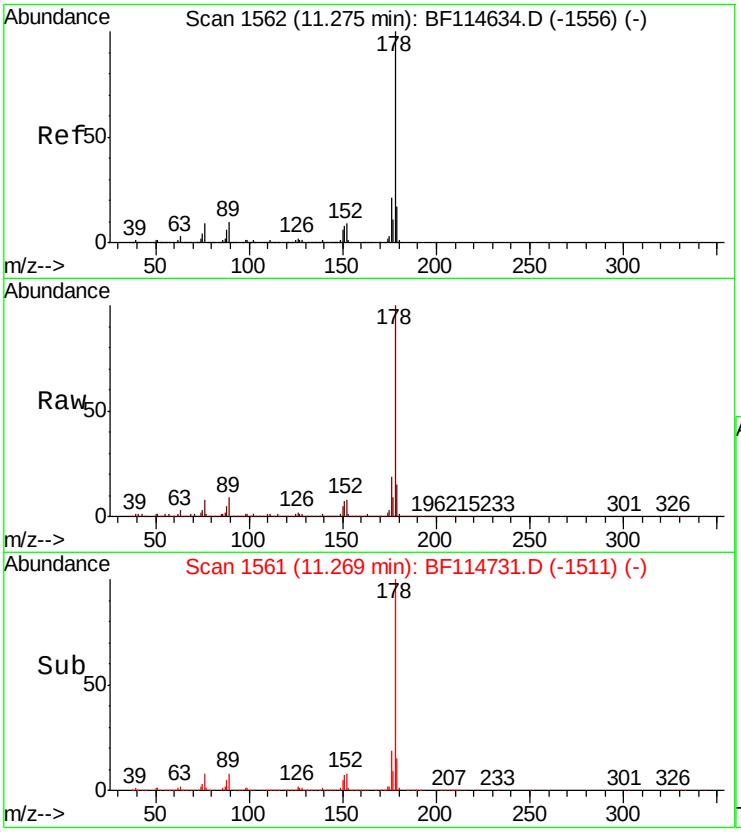


#71
Phenanthrene
Concen: 31.939 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:178 Resp: 2018630

Ion	Ratio	Lower	Upper
178	100		
176	21.1	17.2	25.8
179	16.4	13.9	20.9

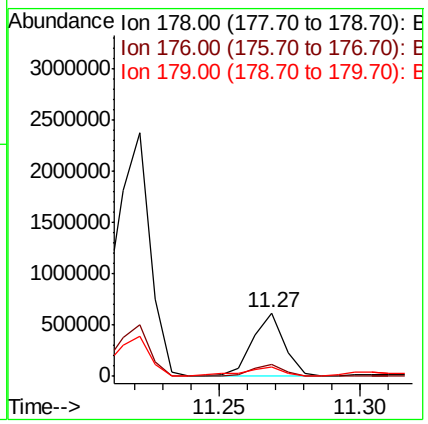




#72
Anthracene
Concen: 7.365 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:178 Resp: 471115

Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	24.8
179	15.4	13.4	20.0



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

Manual Integrations APPROVED
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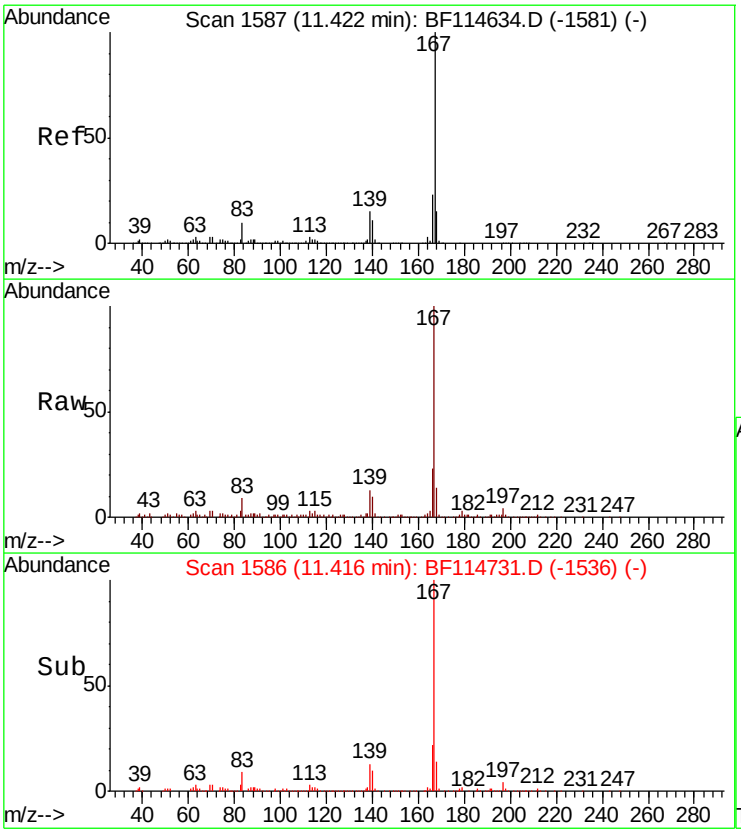
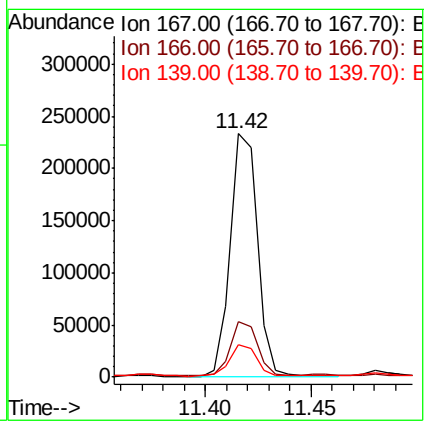
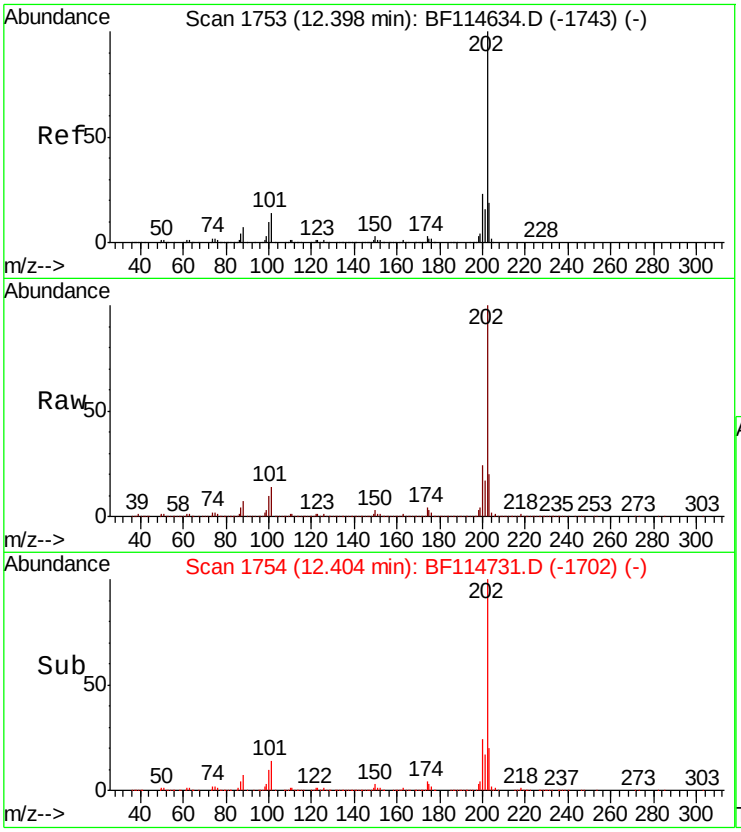


#73
Carbazole
Concen: 3.665 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:167 Resp: 206067

Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.7	28.1
139	13.2	11.8	17.8

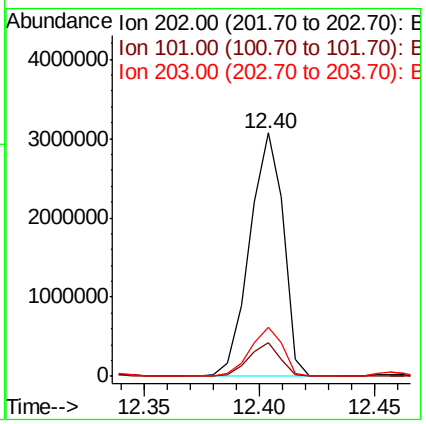




#75
Fluoranthene
Concen: 47.538 ng
RT: 12.40 min Scan# 1754
Delta R.T. 0.01 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:202 Resp: 3111104

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	33.9
203	20.0	0.0	39.1



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

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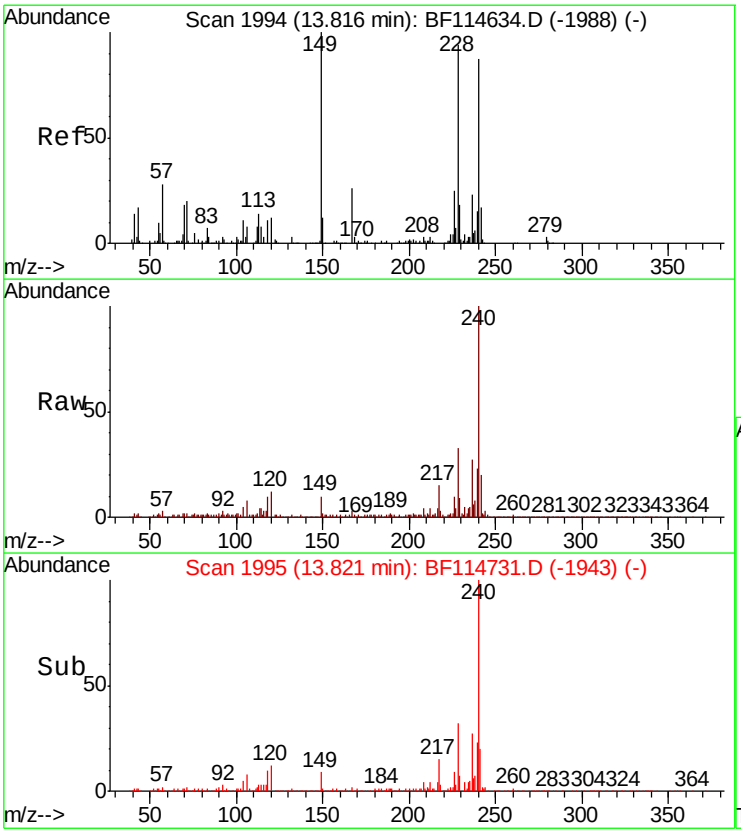
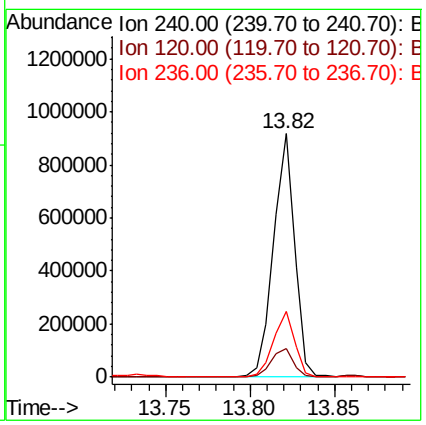
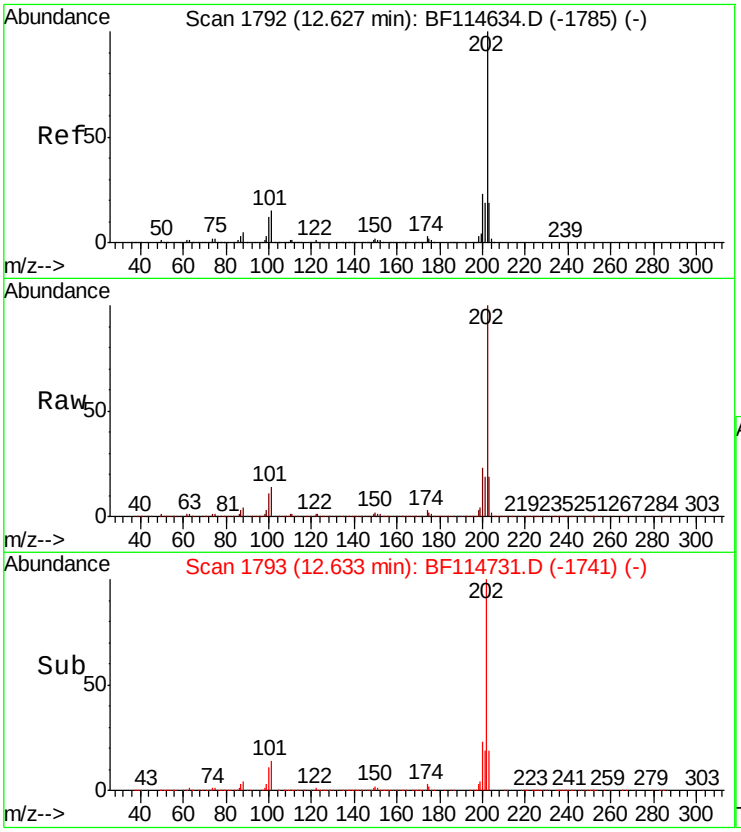


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.01 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:240 Resp: 792420

Ion	Ratio	Lower	Upper
240	100		
120	11.8	11.2	16.8
236	27.2	21.2	31.8

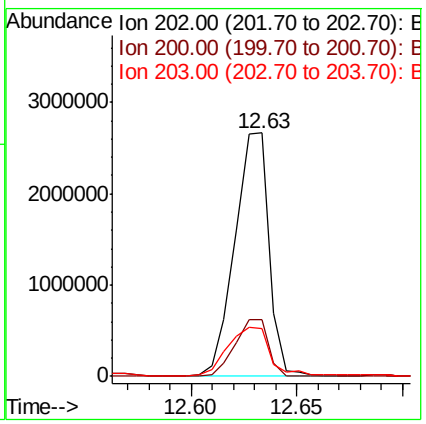




#78
Pyrene
Concen: 44.435 ng
RT: 12.63 min Scan# 1793
Delta R.T. 0.01 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:202 Resp: 2978564

Ion	Ratio	Lower	Upper
202	100		
200	23.5	18.6	28.0
203	19.4	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

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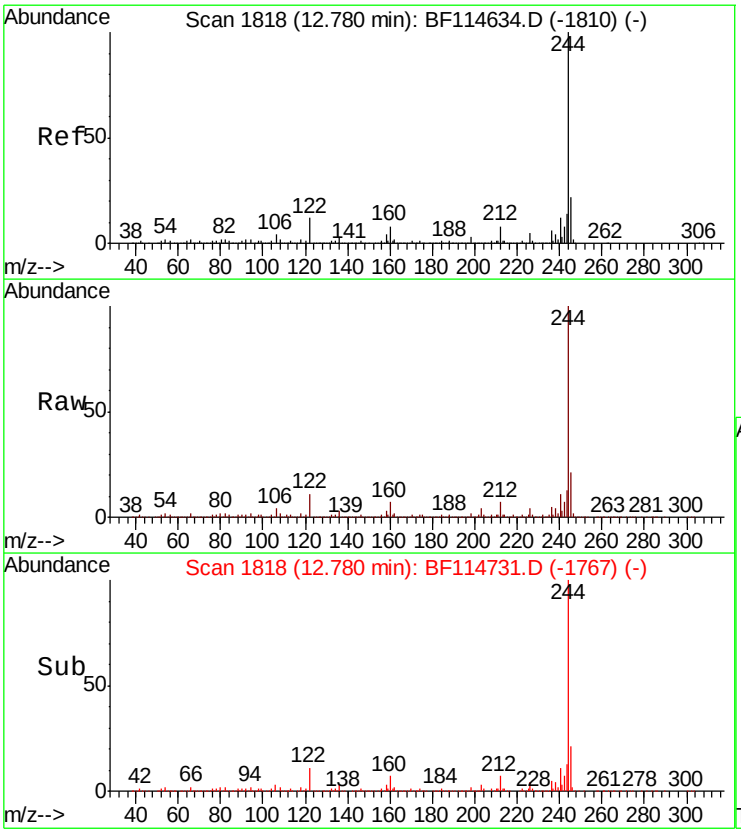
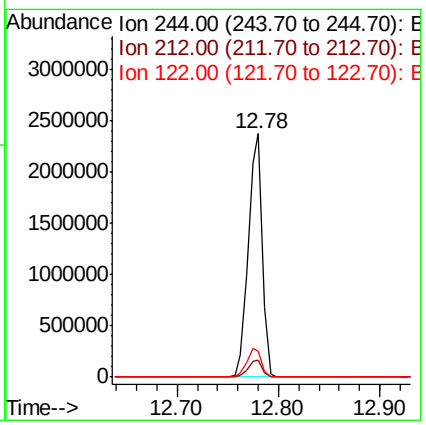
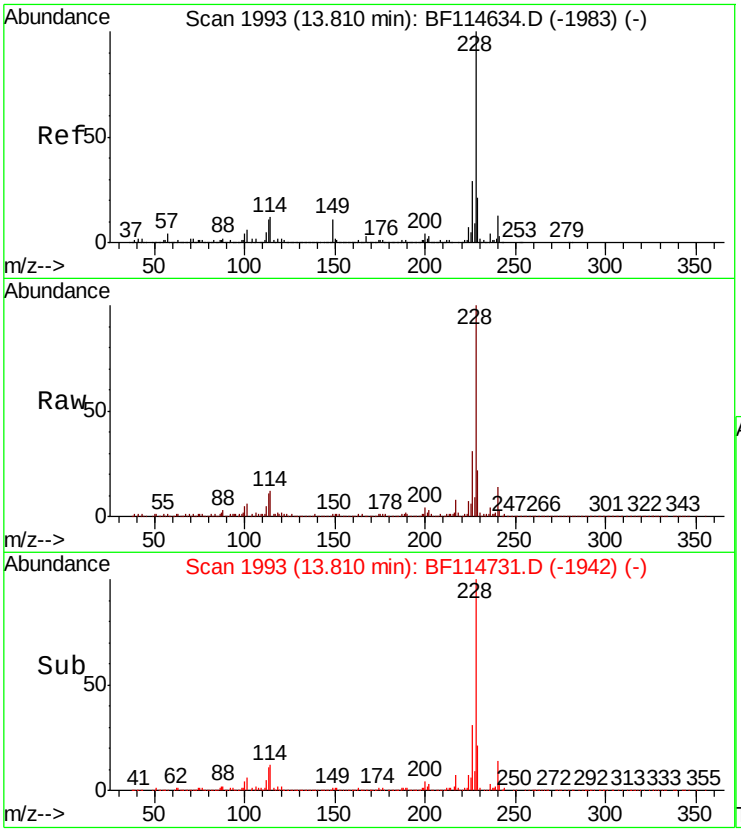


#79
Terphenyl-d14
Concen: 53.839 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:244 Resp: 2269150

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.1	9.1
122	10.7	9.8	14.8

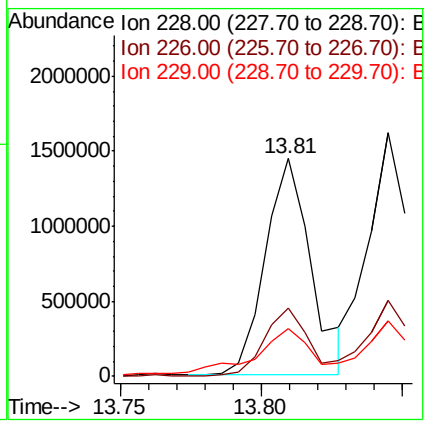




#81
Benzo(a)anthracene
Concen: 26.736 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.00 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:228 Resp: 1628097

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.0	34.6
229	21.7	17.0	25.4



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

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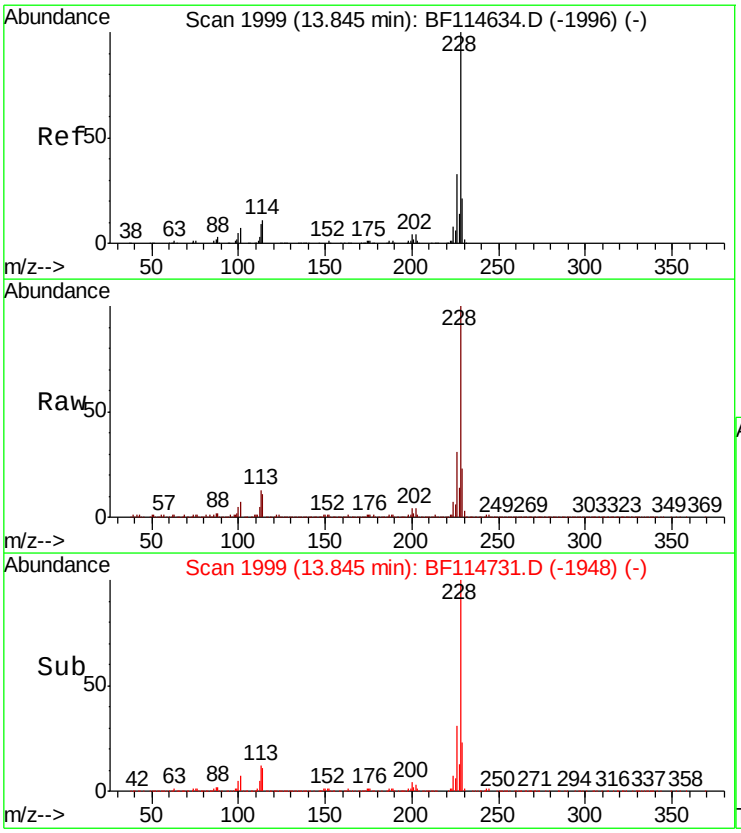
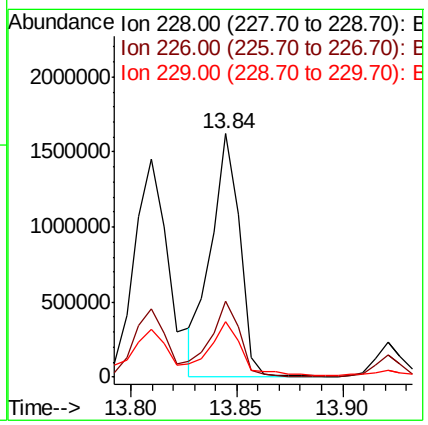
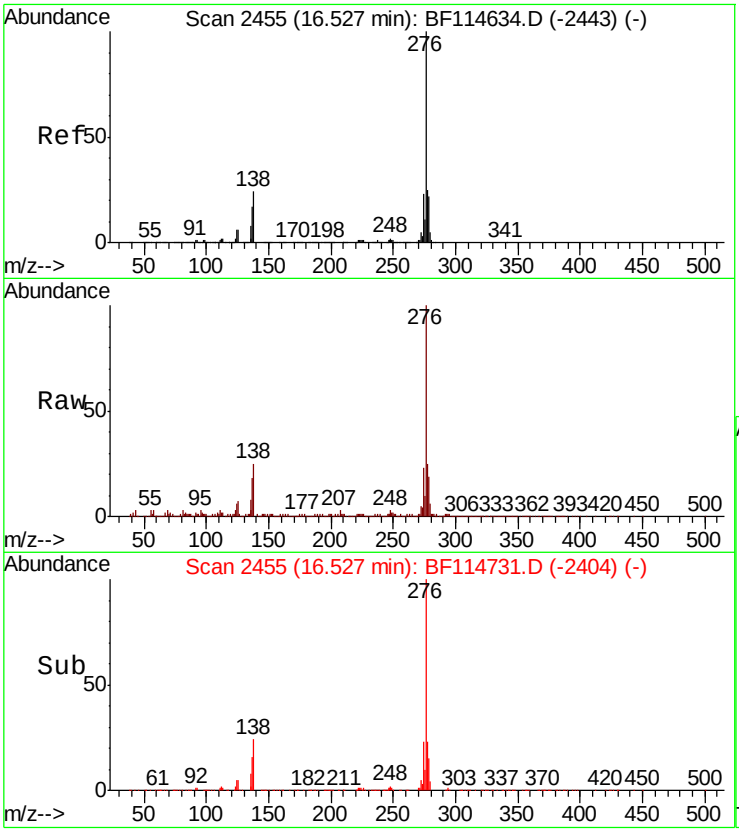


#83
Chrysene
Concen: 26.234 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:228 Resp: 1526313

Ion	Ratio	Lower	Upper
228	100		
226	31.4	26.4	39.6
229	23.0	17.1	25.7

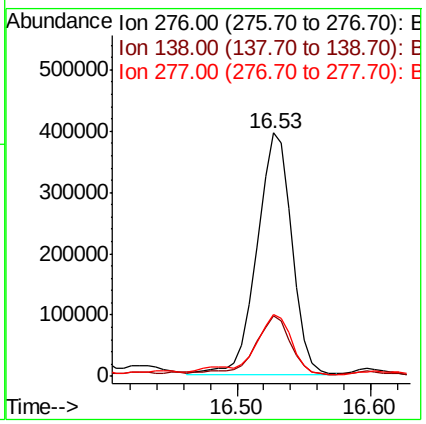




#86
Indeno(1,2,3-cd)pyrene
Concen: 12.255 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.00 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:276 Resp: 714129

Ion	Ratio	Lower	Upper
276	100		
138	24.3	23.0	34.6
277	24.4	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

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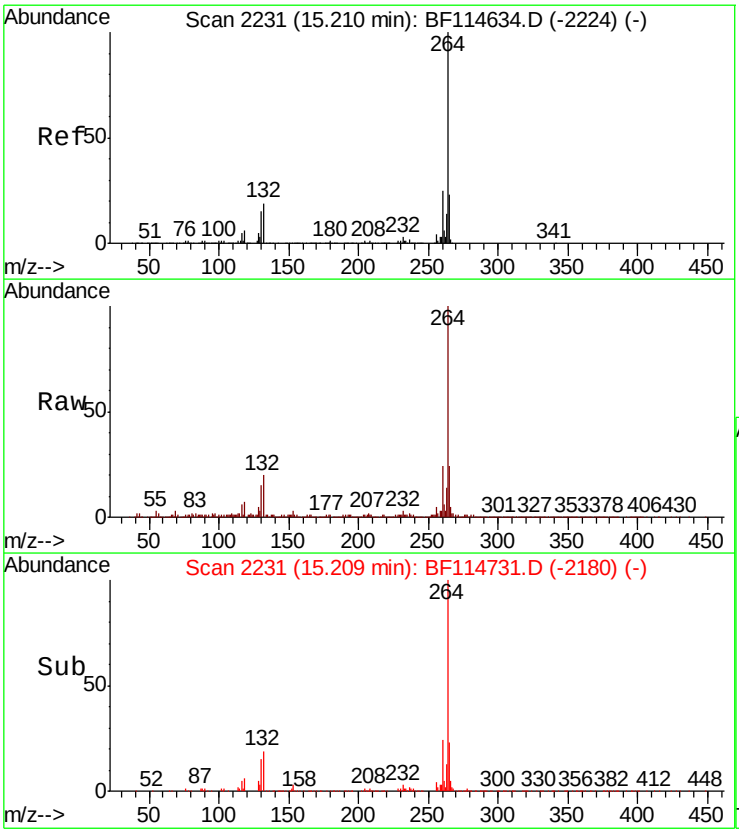
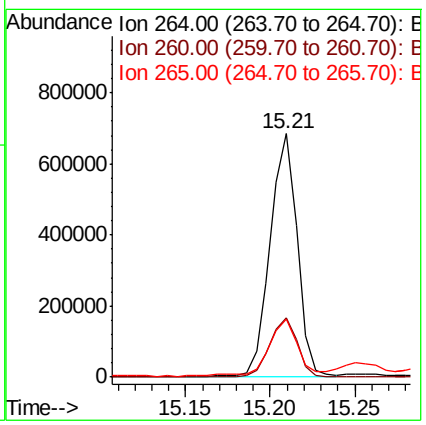
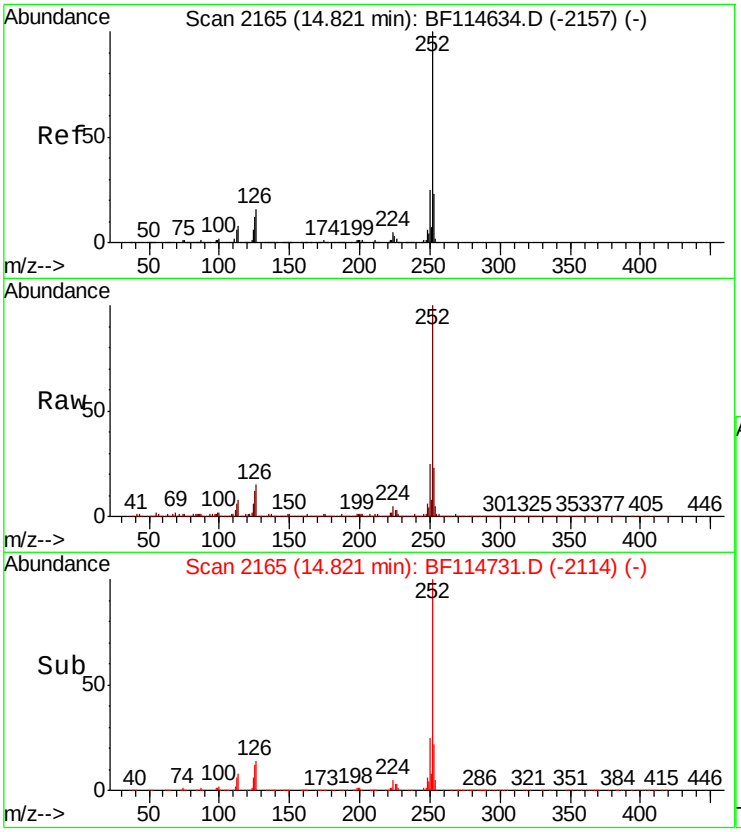


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.00 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:264 Resp: 760967

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.7	29.5
265	23.8	18.1	27.1

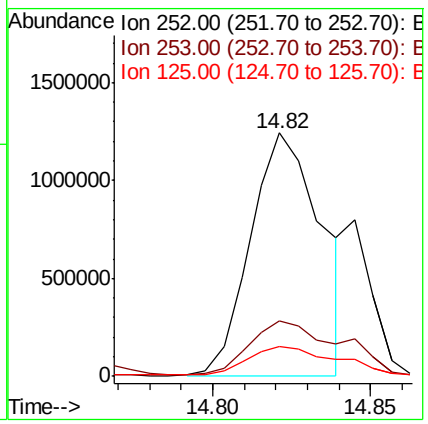




#88
Benzo(b)fluoranthene
Concen: 40.538 ng m
RT: 14.82 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:252 Resp: 1942910

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.7	28.1
125	12.4	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

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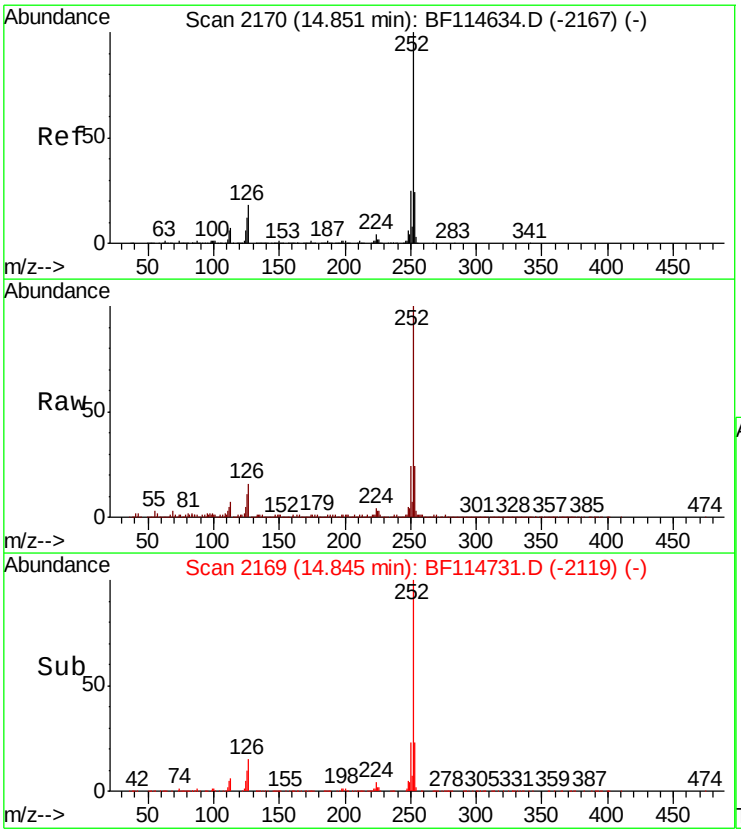
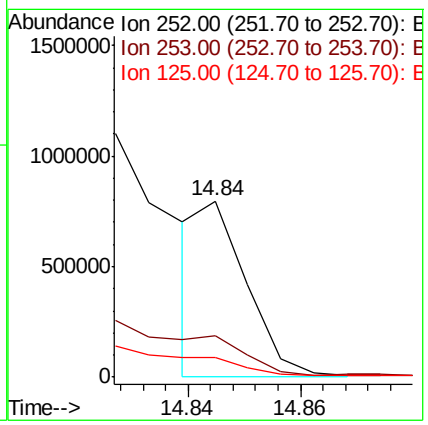
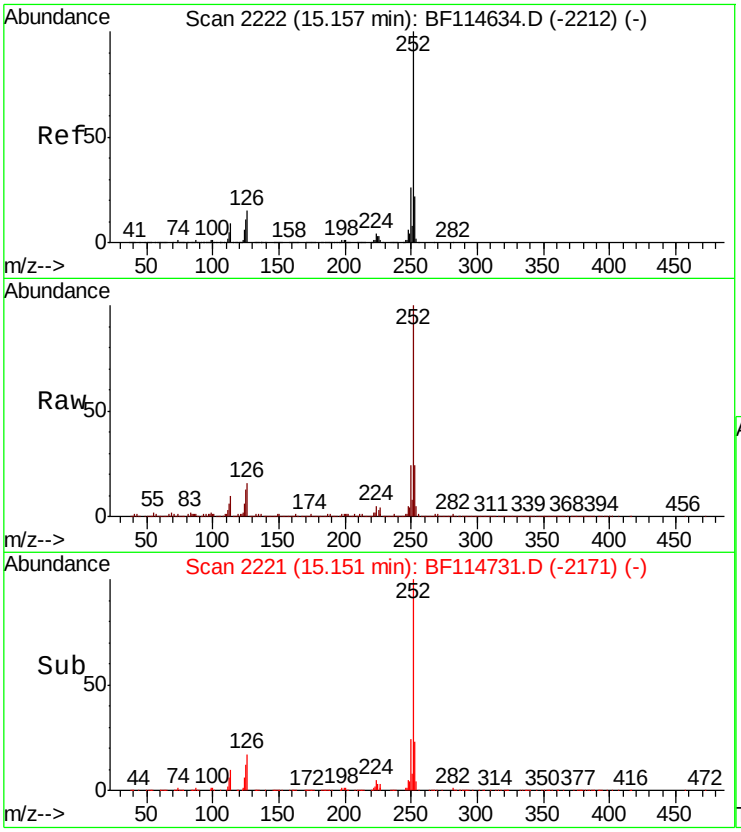


#89
Benzo(k)fluoranthene
Concen: 11.210 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:252 Resp: 467005

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.9	28.3
125	11.1	9.5	14.3

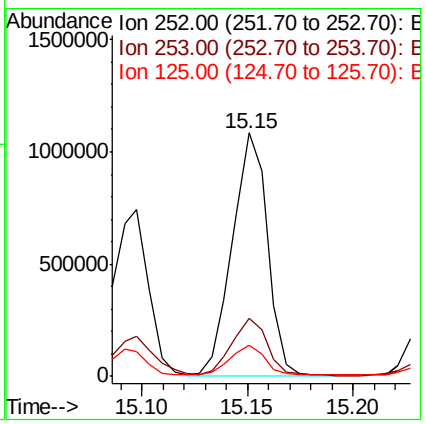




#90
Benzo(a)pyrene
Concen: 29.478 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:252 Resp: 1241166

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	12.6	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

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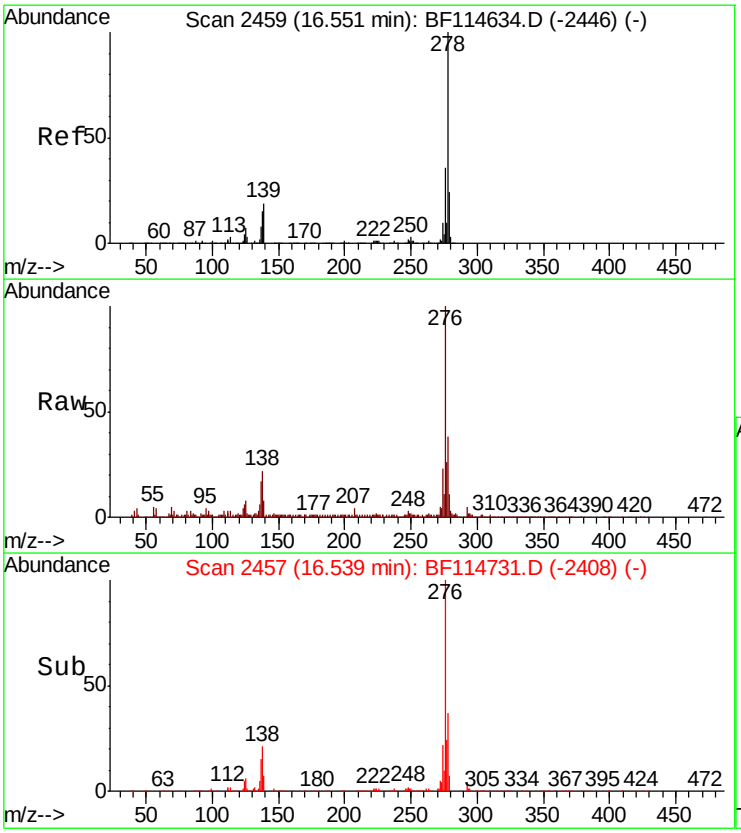
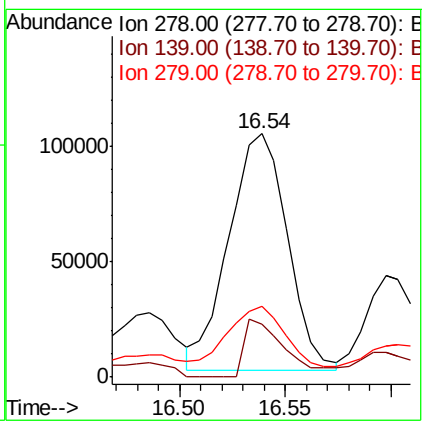
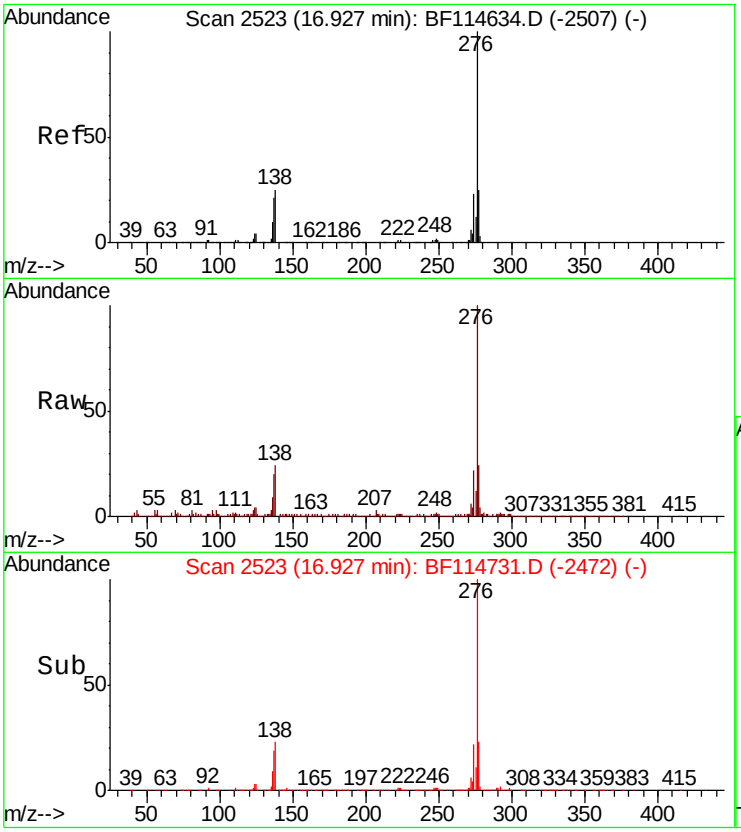


#91
Dibenzo(a,h)anthracene
Concen: 5.294 ng
RT: 16.54 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:278 Resp: 196966

Ion	Ratio	Lower	Upper
278	100		
139	21.9	14.9	22.3
279	28.9	19.5	29.3

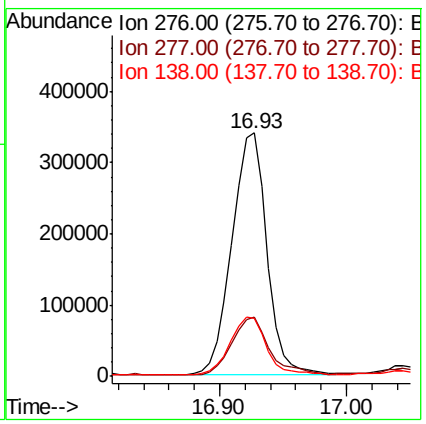




#92
Benzo(g,h,i)perylene
Concen: 18.026 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BF114731.D
Acq: 1 Jun 2019 2:20

Tgt Ion:276 Resp: 650935

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.7	29.5
138	24.0	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
FESB-18(2.5-3.0)RX

Manual Integrations APPROVED
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6/3/2019 8:49:50 AM