Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052319\
Data File : BE099732.D
Acq On : 23 May 2019 13:55
Operator : JU/SJ
Sample : K2966-06DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : FESB-18(2.5-3.0)DL

Manual Integrations APPROVED
Sohil
5/24/2019 5:02:41 PM

Quant Time: May 23 15:15:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 19:29:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1167	0.40	ng		-0.01
7) Naphthalene-d8	10.61	136	4180	0.40	ng		0.00
13) Acenaphthene-d10	14.47	164	2918	0.40	ng		-0.01
19) Phenanthrene-d10	17.22	188	8443	0.40	ng		-0.01
27) Chrysene-d12	21.40	240	12780	0.40	ng		-0.01
34) Perylene-d12	23.94	264	17000	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	65	0.02	ng		-0.01
5) Phenol-d6	6.96	99	128	0.03	ng		-0.01
8) Nitrobenzene-d5	8.96	82	86	0.02	ng		-0.01
11) 2-Methylnaphthalene-d10	12.21	152	89	0.01	ng		-0.01
14) 2,4,6-Tribromophenol	15.97	330	44	0.16	ng		-0.01
15) 2-Fluorobiphenyl	13.10	172	136	0.01	ng		0.00
25) Fluoranthene-d10	19.25	212	805	0.01	ng		-0.01
29) Terphenyl-d14	19.85	244	260	0.01	ng		-0.02
Target Compounds							Qvalue
9) Naphthalene	10.65	128	2669	0.060	ng	#	91
12) 2-Methylnaphthalene	12.28	142	308	0.042	ng	#	86
16) Acenaphthylene	14.20	152	2600	0.191	ng		98
17) Acenaphthene	14.54	154	1204	0.158	ng		99
18) Fluorene	15.52	166	2371	0.211	ng		94
22) Pentachlorophenol	16.89	266	80	0.234	ng		91
23) Phenanthrene	17.26	178	46629	2.260	ng		100
24) Anthracene	17.35	178	7366	0.394	ng		98
26) Fluoranthene	19.29	202	123271	3.779	ng		99
28) Pyrene	19.65	202	117688	3.665	ng	#	95
30) Benzo(a)anthracene	21.39	228	82415	2.269	ng		98
31) Chrysene	21.44	228	71115	1.832	ng		98
32) Bis(2-ethylhexyl)phthalate	21.31	149	8699	0.208	ng		99
33) Indeno(1,2,3-cd)pyrene	26.62	276	50717	1.082	ng		98
35) Benzo(b)fluoranthene	23.16	252	94795	2.035	ng		99
36) Benzo(k)fluoranthene	23.21	252	38921m	0.802	ng		
37) Benzo(a)pyrene	23.82	252	73499	1.640	ng		99
38) Dibenzo(a,h)anthracene	26.64	278	13255	0.282	ng	#	90
39) Benzo(g,h,i)perylene	27.46	276	50218	1.056	ng		99

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

Quantitation Report (QT Reviewed)

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Instrument :
BNA_E
ClientSampleId :
FESB-18(2.5-3.0)DL

Manual Integrations APPROVED
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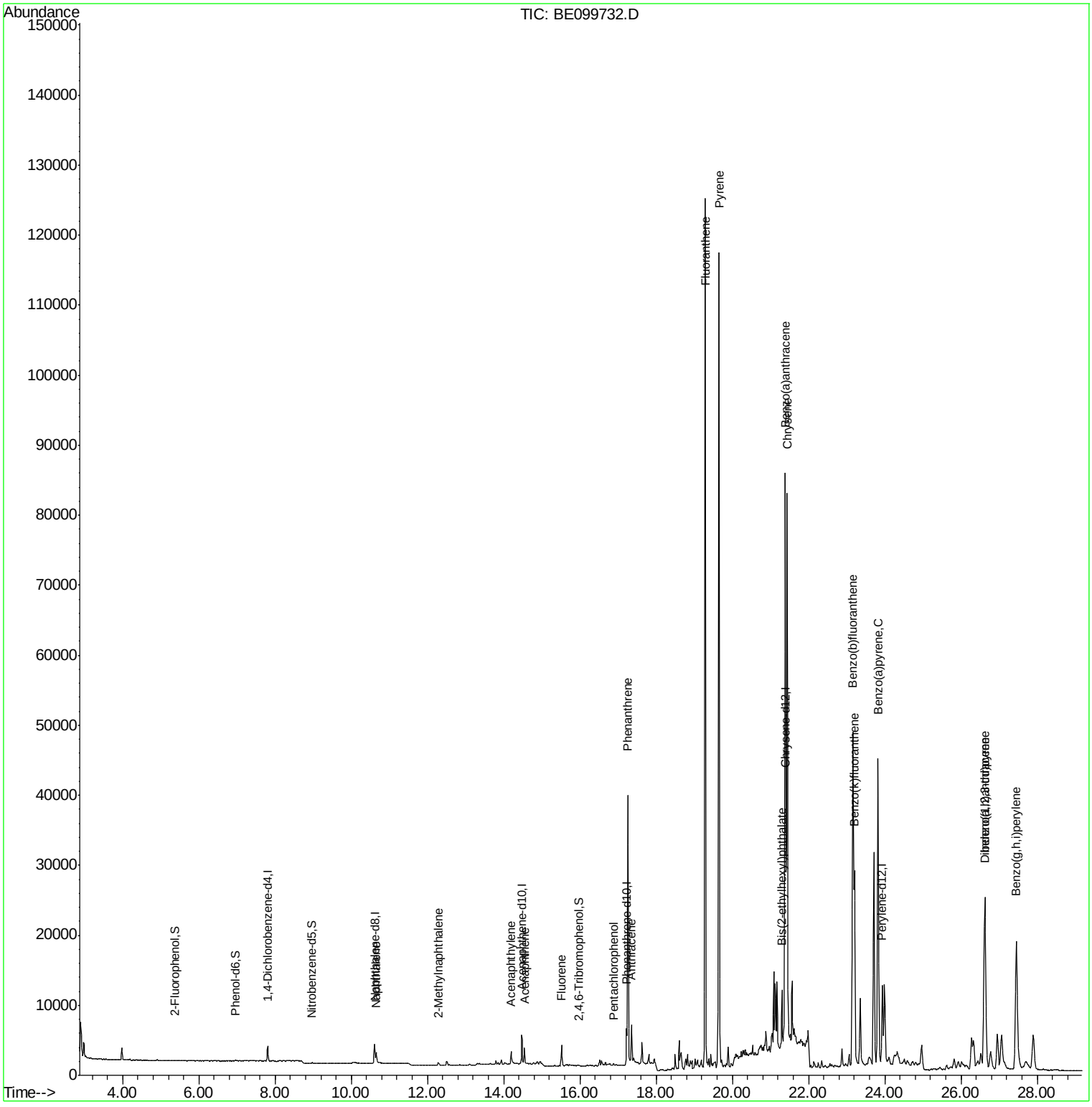

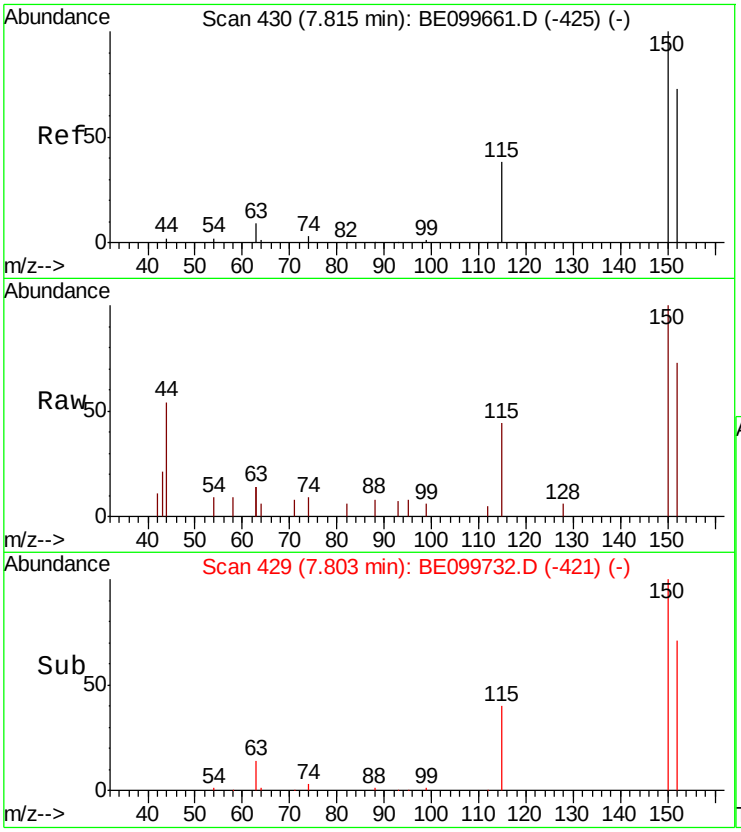

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:152 Resp: 1167

Ion	Ratio	Lower	Upper
152	100		
150	137.6	109.2	163.8
115	60.5	43.7	65.5

Instrument :
BNA_E
ClientSampleId :
FESB-18(2.5-3.0)DL

Manual Integrations APPROVED
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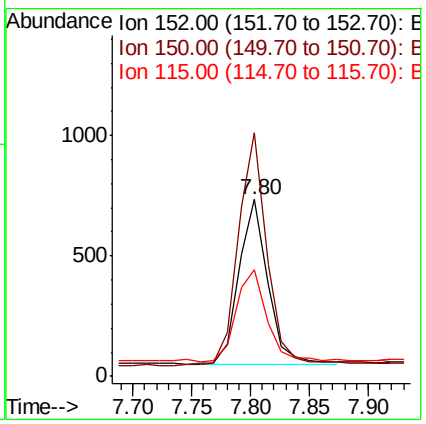
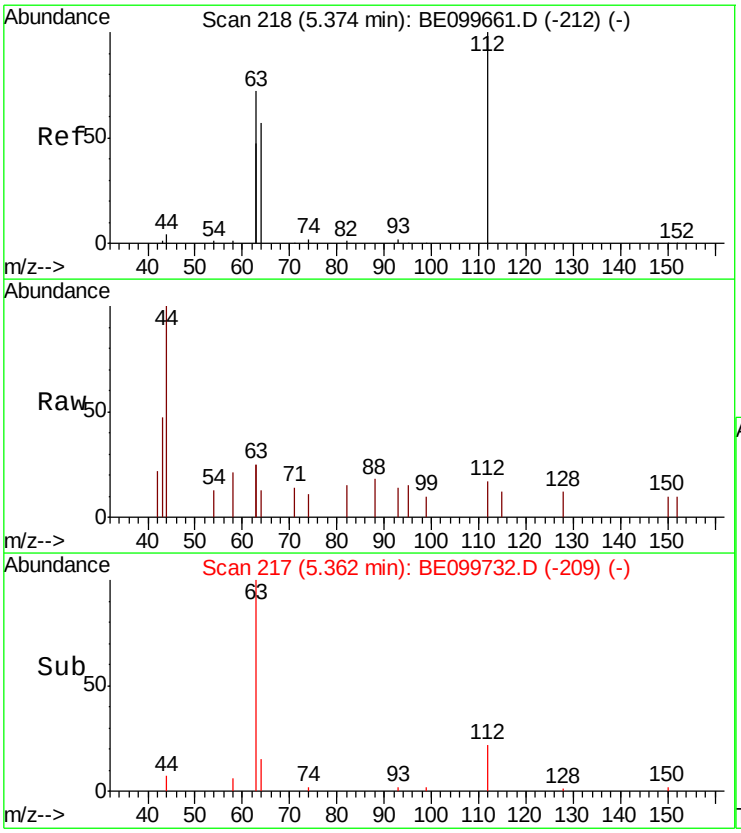
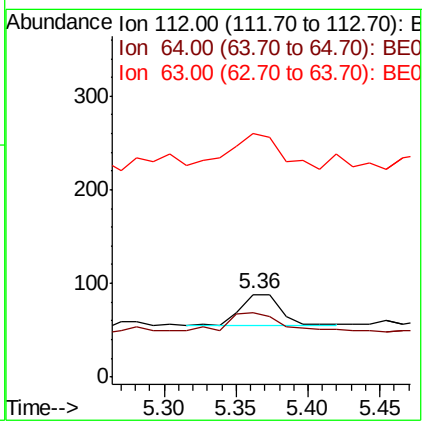


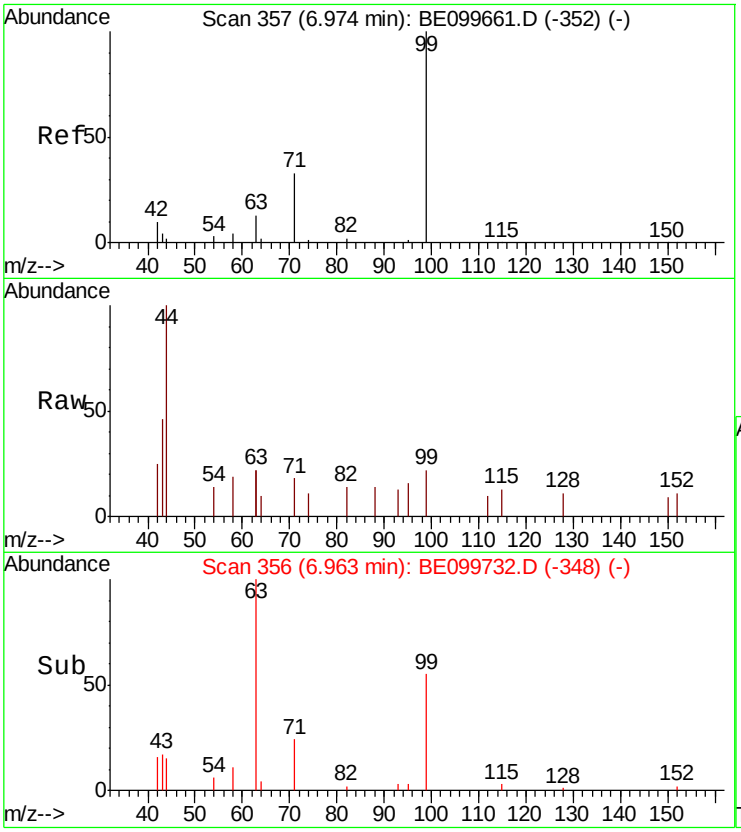


#4
2-Fluorophenol
Concen: 0.022 ng
RT: 5.36 min Scan# 217
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:112 Resp: 65

Ion	Ratio	Lower	Upper
112	100		
64	86.2	43.4	65.2#
63	144.6	96.9	145.3

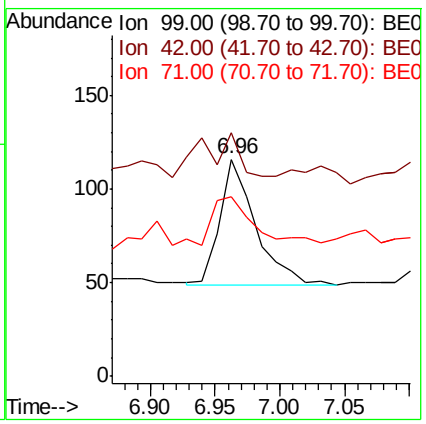




#5
Phenol-d6
Concen: 0.033 ng
RT: 6.96 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion: 99 Resp: 128

Ion	Ratio	Lower	Upper
99	100		
42	35.9	12.2	18.2#
71	46.9	28.9	43.3#



Instrument :
BNA_E
ClientSampleId :
FESB-18(2.5-3.0)DL

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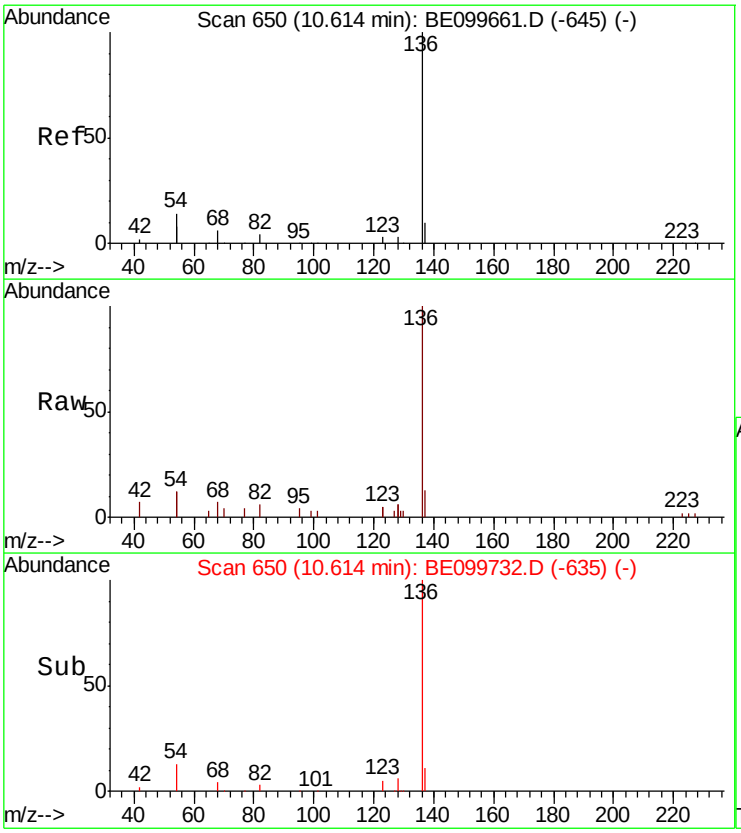
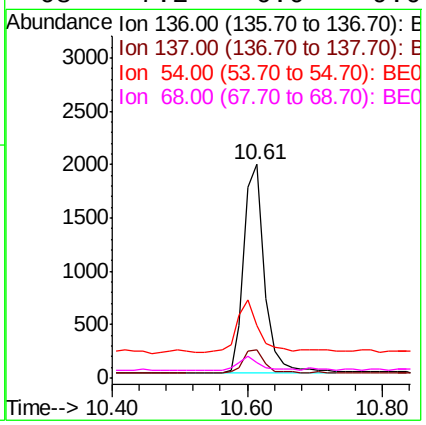
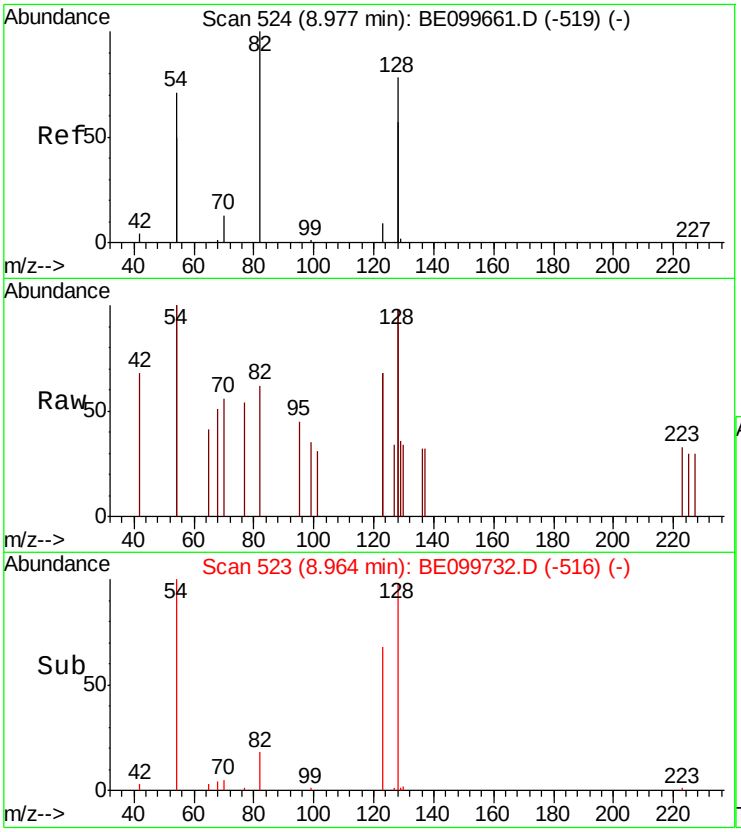


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. 0.00 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:136 Resp: 4180

Ion	Ratio	Lower	Upper
136	100		
137	13.0	9.0	13.6
54	24.5	22.3	33.5
68	7.2	6.0	9.0

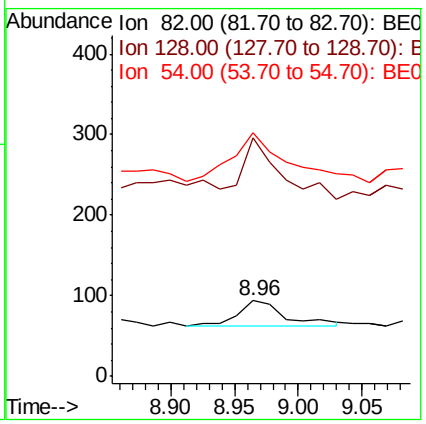




#8
Nitrobenzene-d5
Concen: 0.024 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion: 82 Resp: 86

Ion	Ratio	Lower	Upper
82	100		
128	314.9	117.7	176.5#
54	321.3	106.6	160.0#



Instrument :
BNA_E
ClientSampleId :
FESB-18(2.5-3.0)DL

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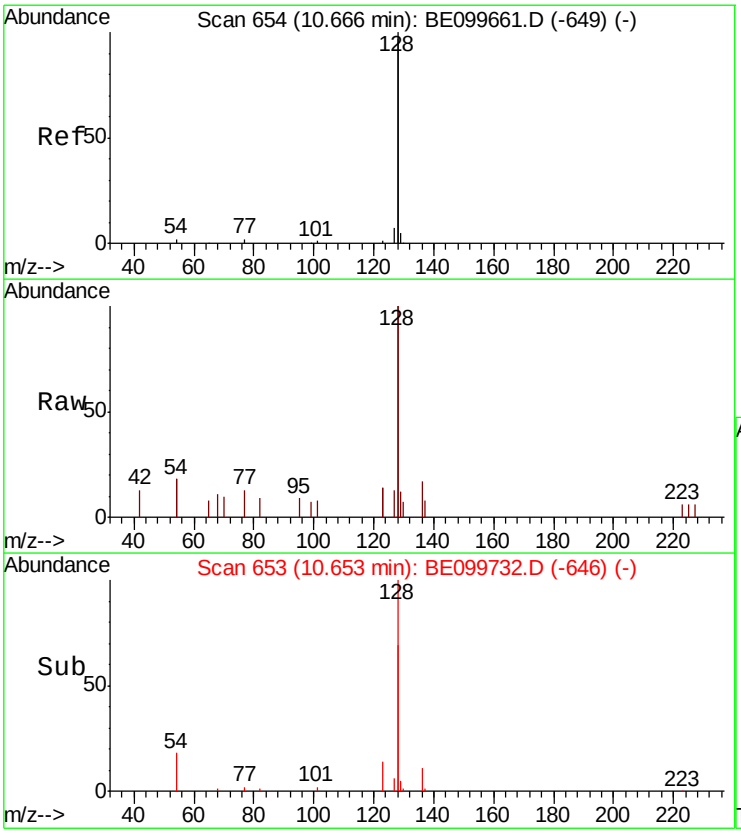
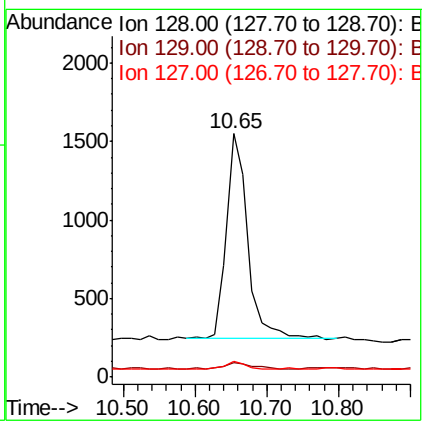
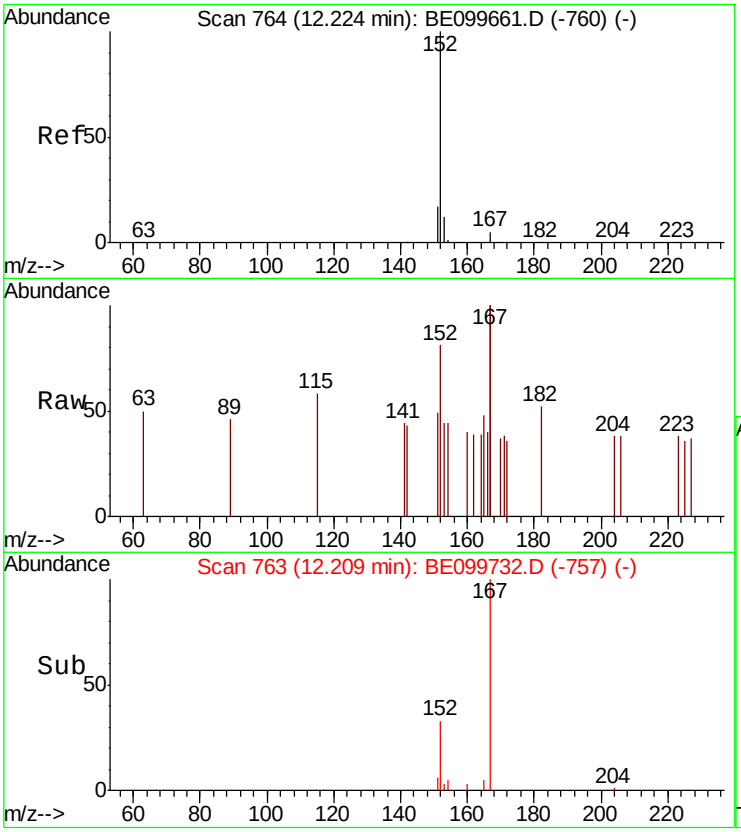


#9
Naphthalene
Concen: 0.060 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:128 Resp: 2669

Ion	Ratio	Lower	Upper
128	100		
129	6.1	2.4	3.6#
127	6.5	2.9	4.3#

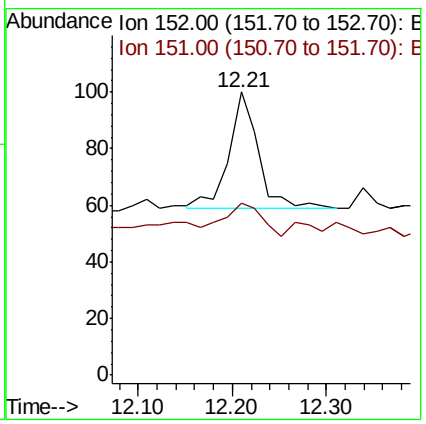




#11
2-Methylnaphthalene-d10
Concen: 0.012 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:152 Resp: 89

Ion	Ratio	Lower	Upper
152	100		
151	37.1	15.0	22.4#



Instrument :
BNA_E
ClientSampleId :
FESB-18(2.5-3.0)DL

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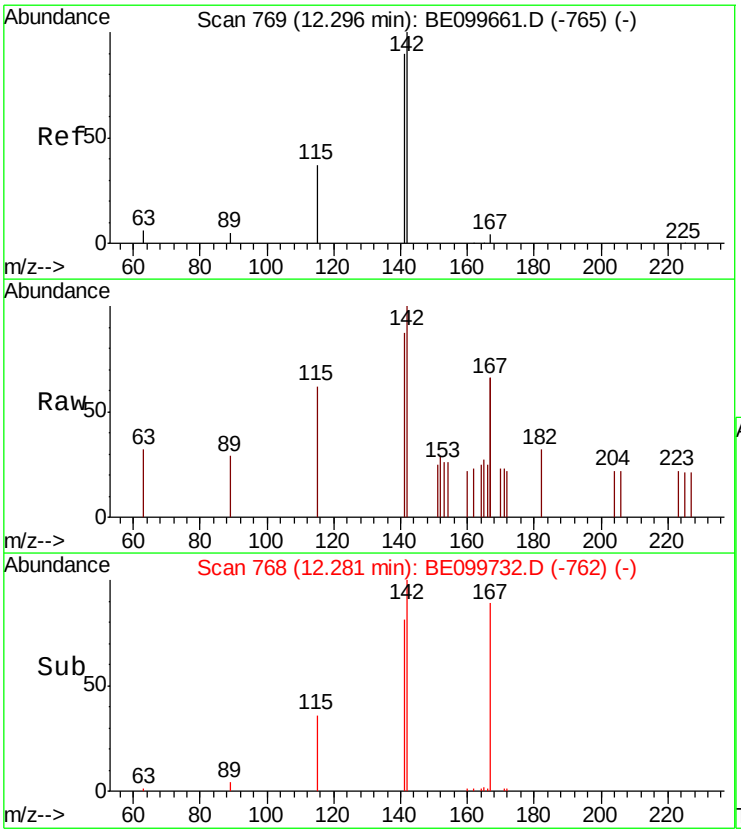
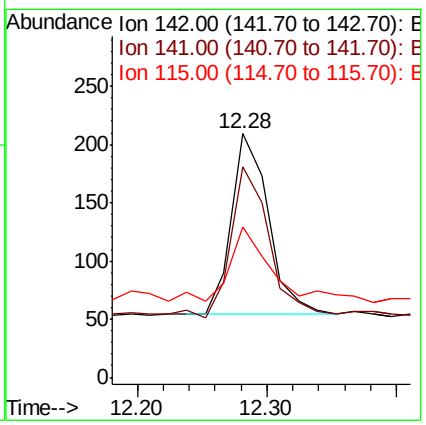
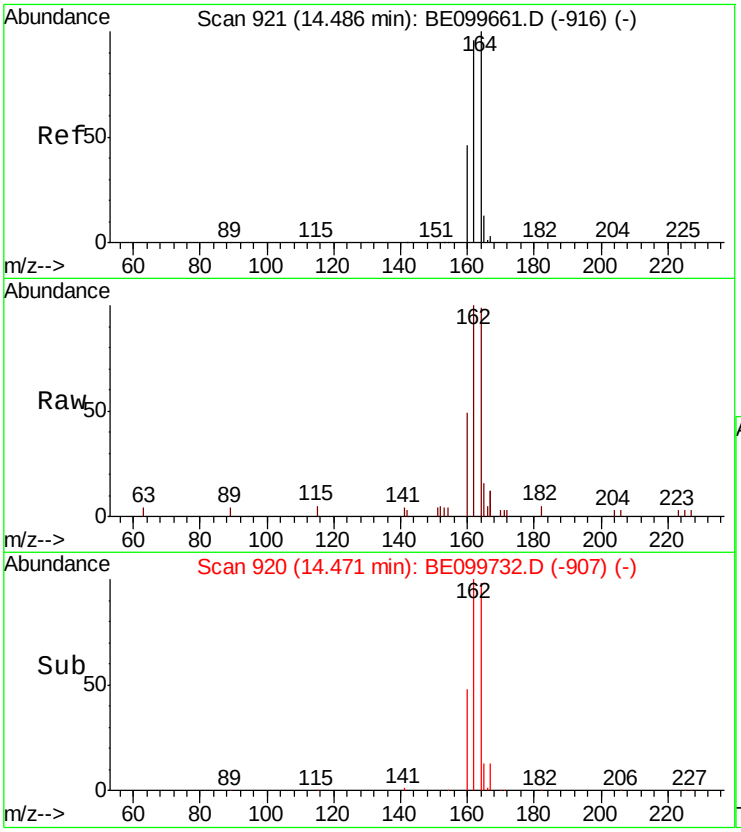


#12
2-Methylnaphthalene
Concen: 0.042 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:142 Resp: 308

Ion	Ratio	Lower	Upper
142	100		
141	86.6	72.0	108.0
115	61.7	31.0	46.4#

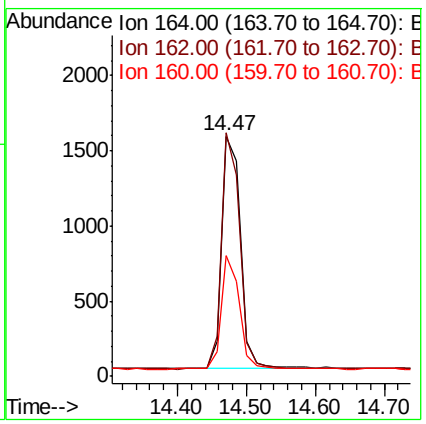




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:164 Resp: 2918

Ion	Ratio	Lower	Upper
164	100		
162	101.5	76.5	114.7
160	50.1	37.4	56.2



Instrument :
BNA_E
ClientSampleId :
FESB-18(2.5-3.0)DL

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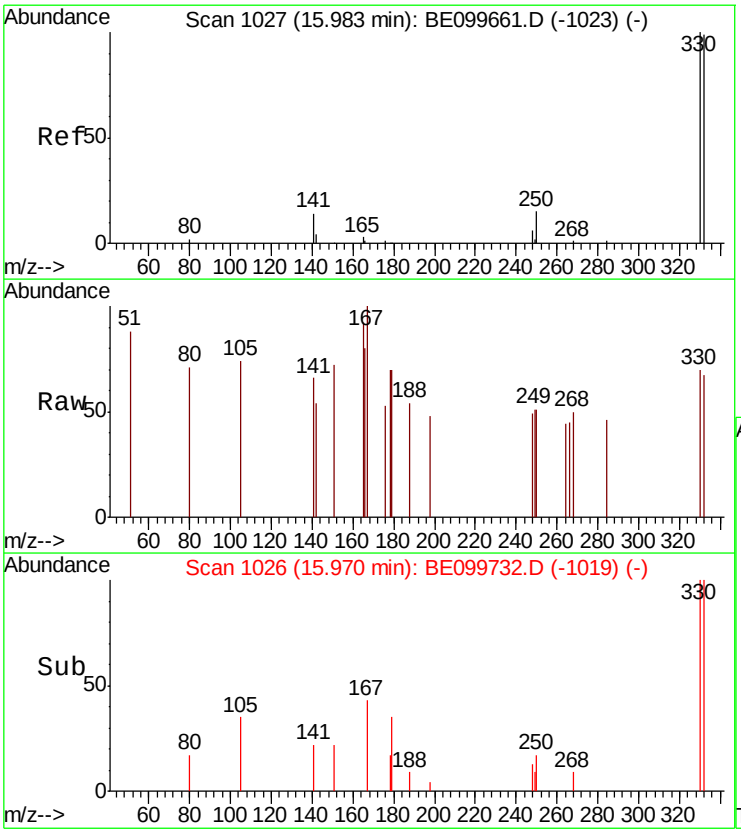
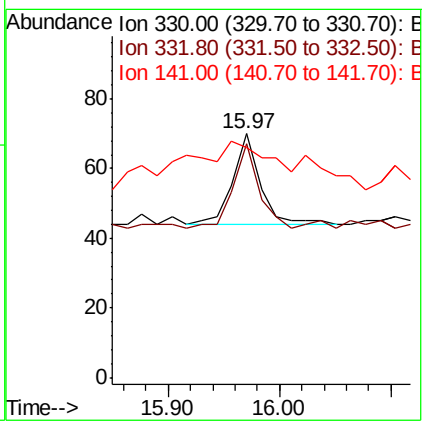
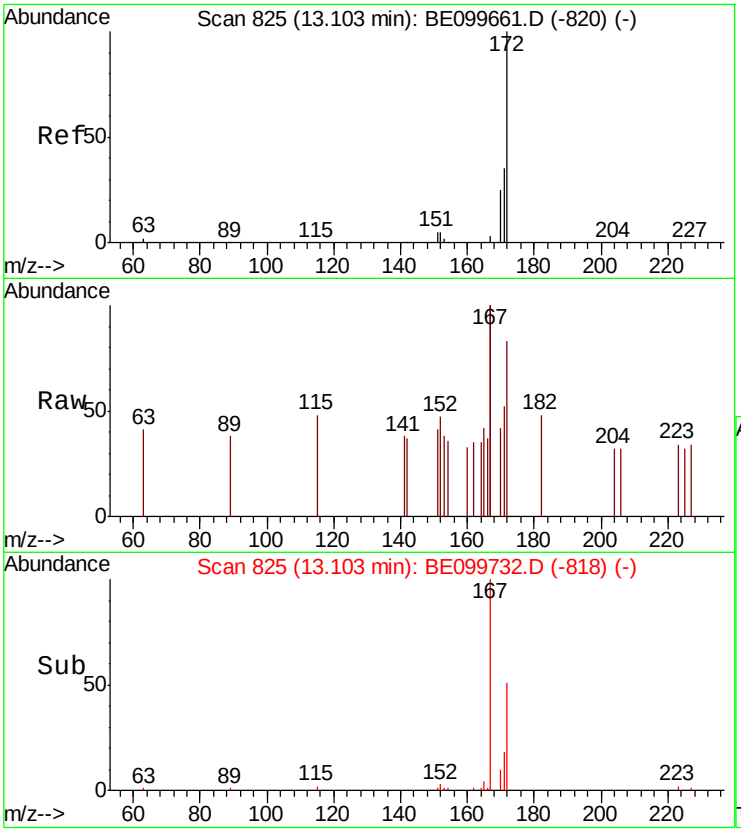


#14
2,4,6-Tribromophenol
Concen: 0.163 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:330 Resp: 44

Ion	Ratio	Lower	Upper
330	100		
332	88.6	77.3	115.9
141	88.6	18.9	28.3#

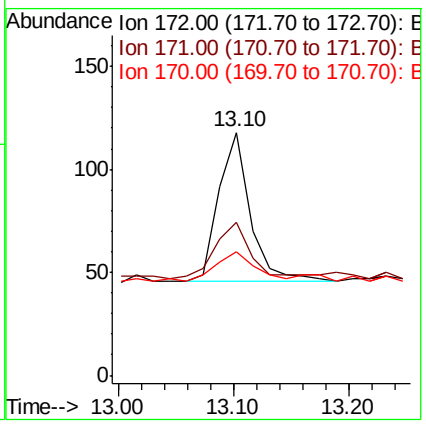




#15
2-Fluorobiphenyl
Concen: 0.012 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:172 Resp: 136

Ion	Ratio	Lower	Upper
172	100		
171	62.7	28.7	43.1#
170	50.8	20.9	31.3#



Instrument :
BNA_E
ClientSampleId :
FESB-18(2.5-3.0)DL

Manual Integrations APPROVED
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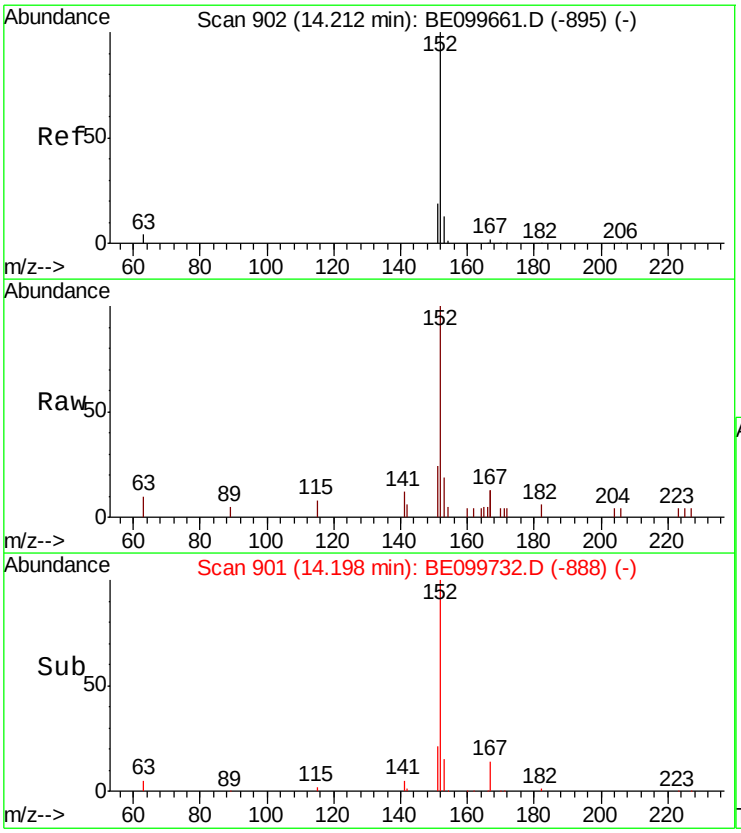
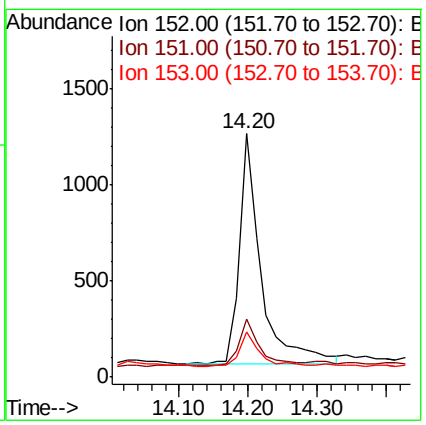
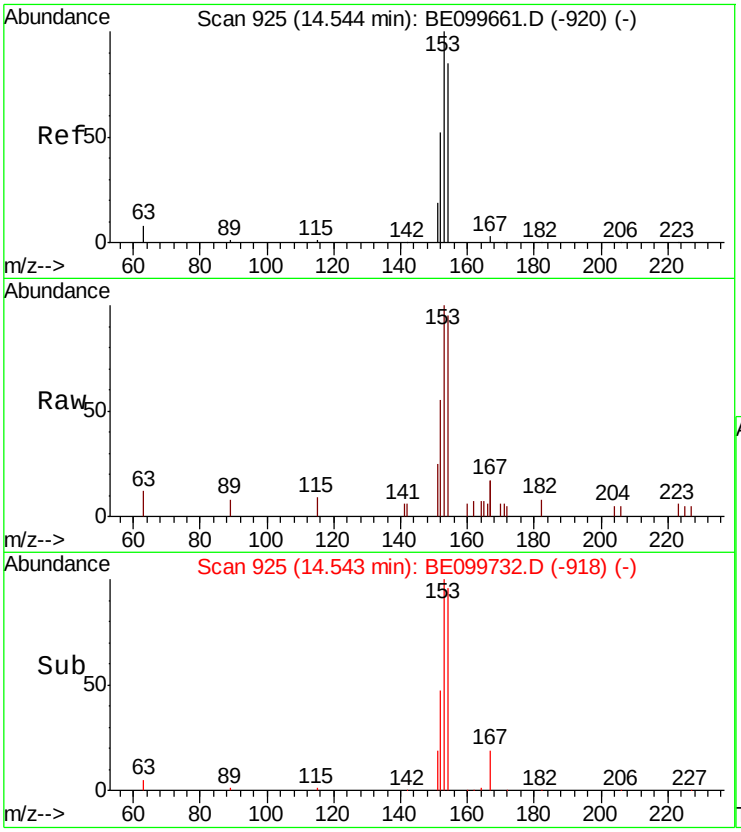


#16
Acenaphthylene
Concen: 0.191 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:152 Resp: 2600

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.9	23.9
153	14.2	10.6	16.0

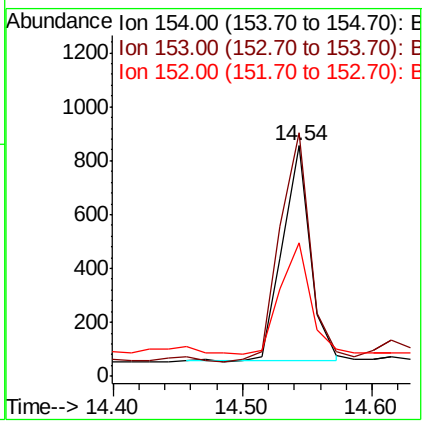




#17
Acenaphthene
Concen: 0.158 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:154 Resp: 1204

Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.8	137.6
152	55.6	46.0	69.0



Instrument :
BNA_E
ClientSampleId :
FESB-18(2.5-3.0)DL

Manual Integrations APPROVED
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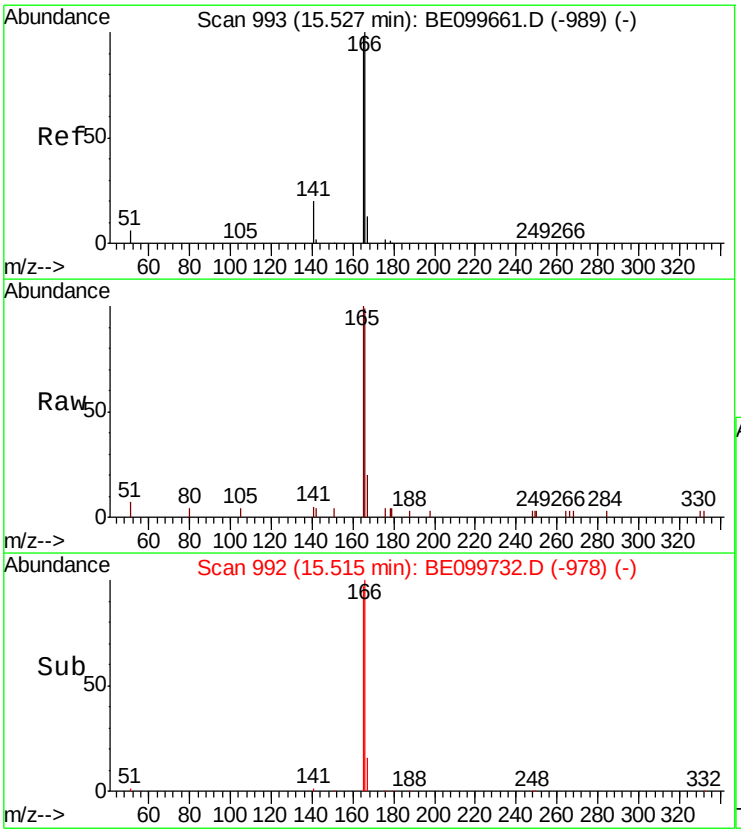
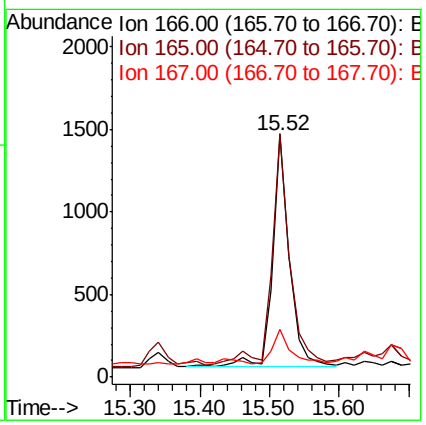
5/24/2019 5:02:41 PM

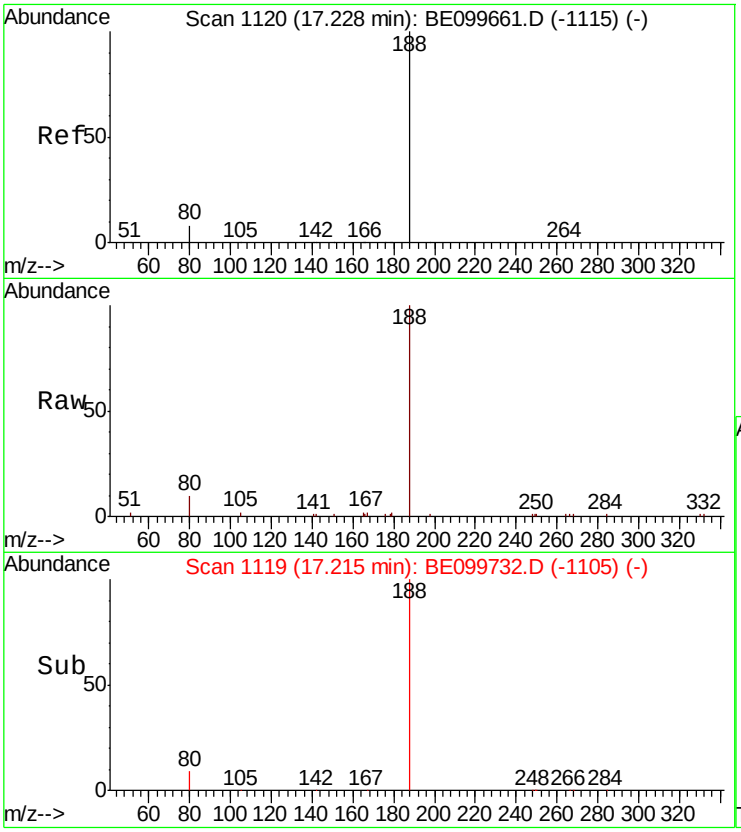


#18
Fluorene
Concen: 0.211 ng
RT: 15.52 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:166 Resp: 2371

Ion	Ratio	Lower	Upper
166	100		
165	106.8	80.3	120.5
167	15.0	10.6	16.0

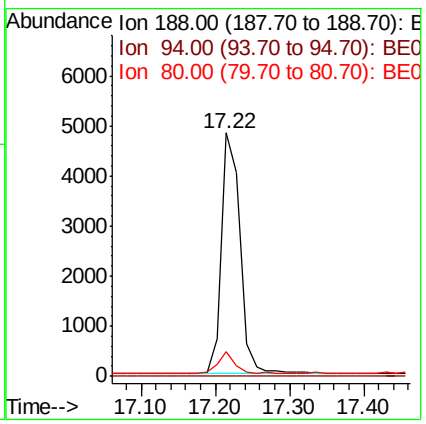




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.22 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:188 Resp: 8443

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	6.7	10.1



Instrument :
BNA_E
ClientSampleId :
FESB-18(2.5-3.0)DL

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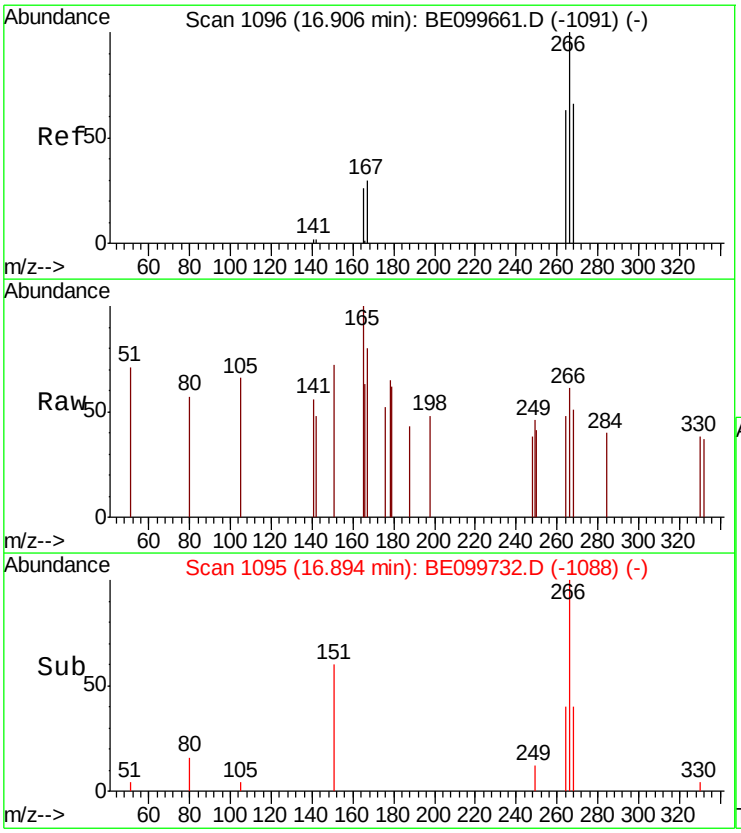
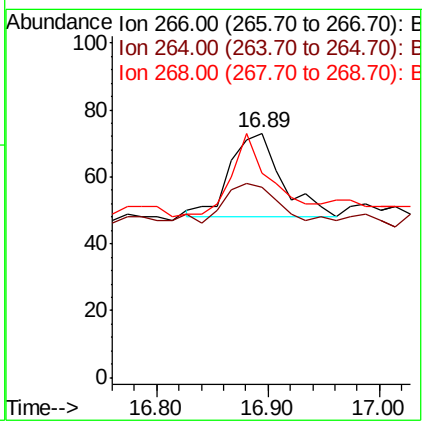
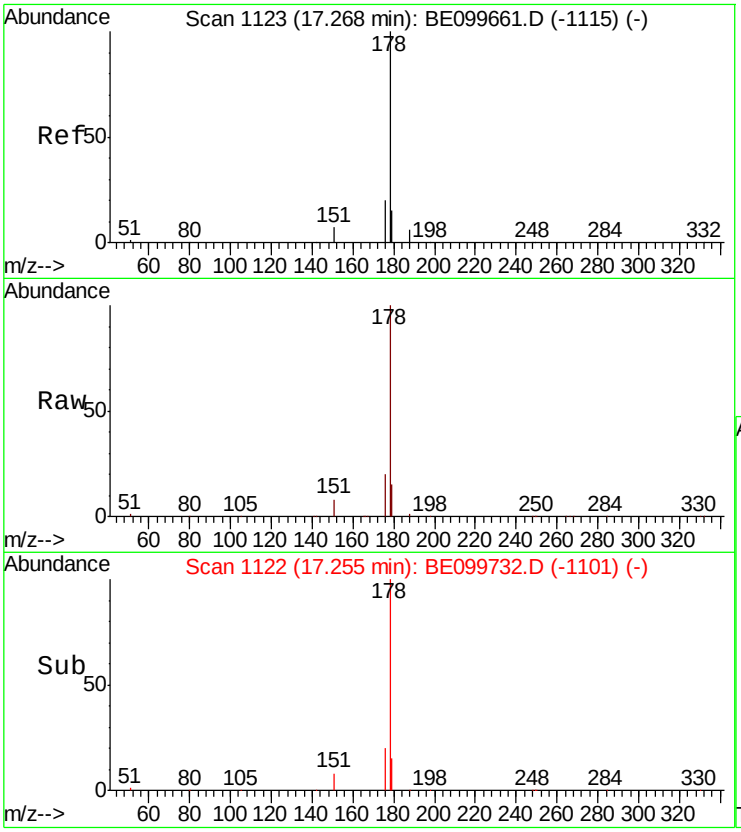


#22
Pentachlorophenol
Concen: 0.234 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:266 Resp: 80

Ion	Ratio	Lower	Upper
266	100		
264	78.1	57.2	85.8
268	83.6	60.5	90.7





#23
Phenanthrene
Concen: 2.260 ng
RT: 17.26 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:178 Resp: 46629

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.5	12.2	18.4

Instrument :
BNA_E
ClientSampleId :
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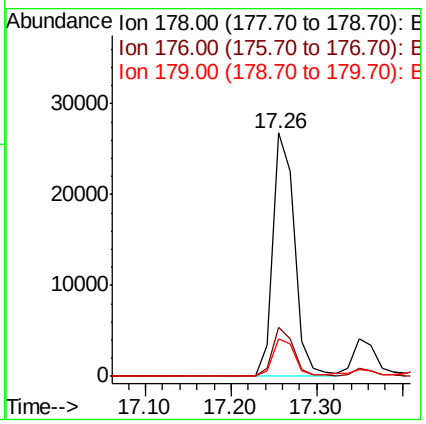
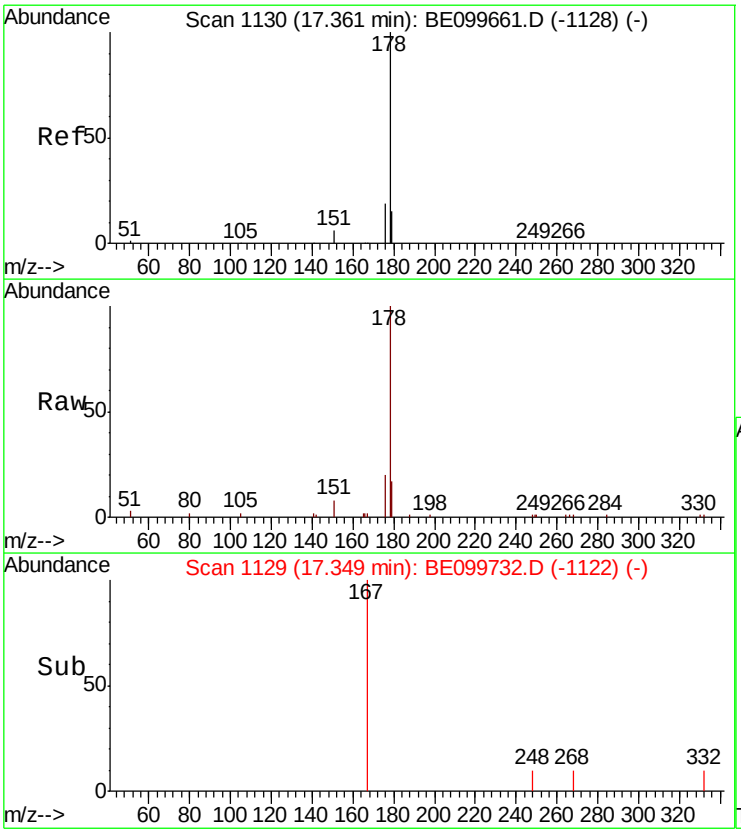
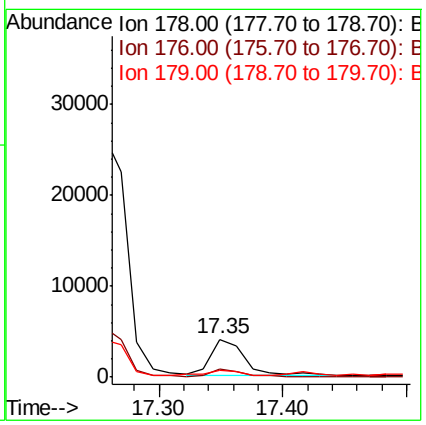


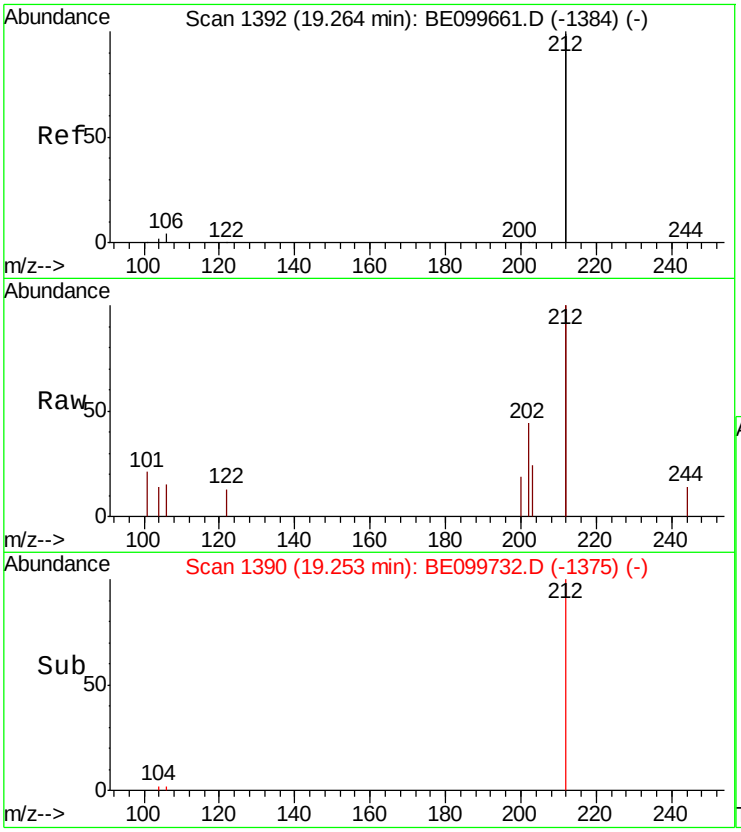


#24
Anthracene
Concen: 0.394 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:178 Resp: 7366

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.7	22.1
179	14.1	12.0	18.0





#25
Fluoranthene-d10
Concen: 0.007 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:212 Resp: 805

Ion	Ratio	Lower	Upper
212	100		
106	2.9	1.4	2.2#
104	2.4	0.8	1.2#

Instrument :
BNA_E
ClientSampleId :
FESB-18(2.5-3.0)DL

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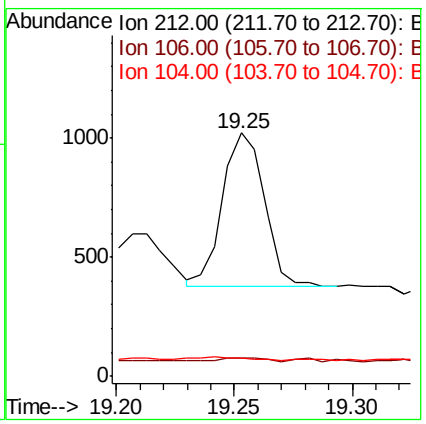
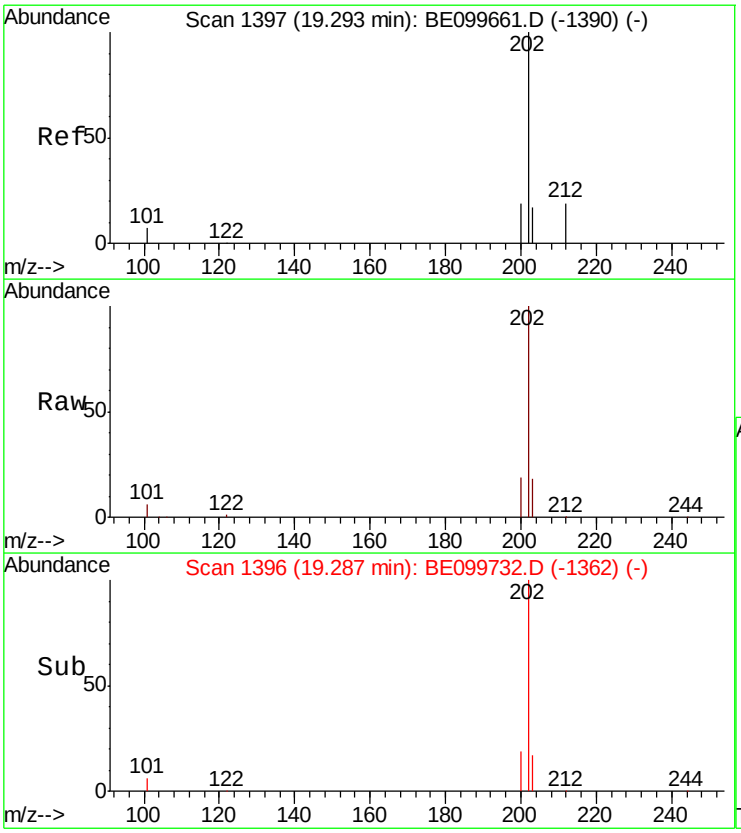
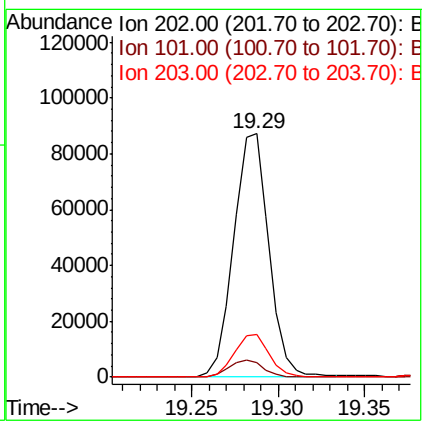


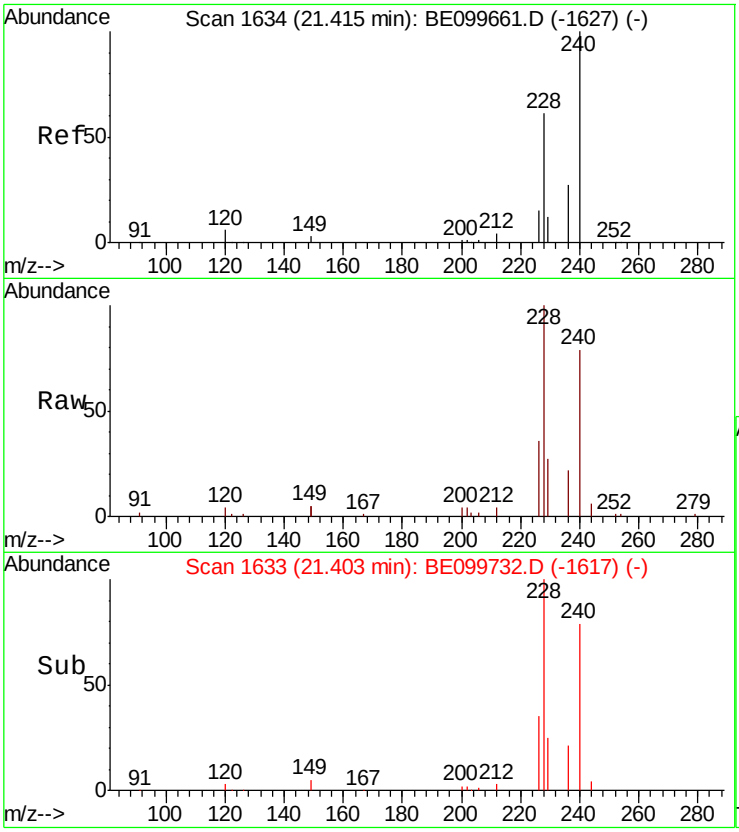


#26
Fluoranthene
Concen: 3.779 ng
RT: 19.29 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:202 Resp: 123271

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.2	7.8
203	17.4	13.8	20.6





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:240 Resp: 12780

Ion	Ratio	Lower	Upper
240	100		
120	5.1	5.4	8.0#
236	27.7	21.7	32.5

Instrument :
BNA_E
ClientSampleId :
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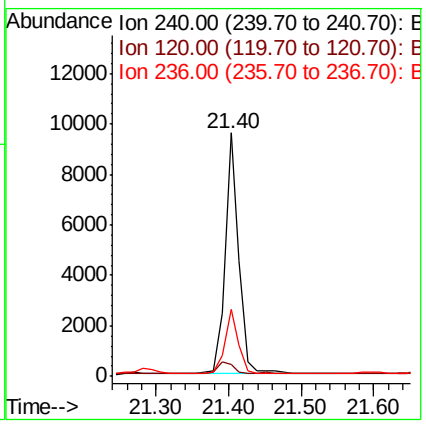
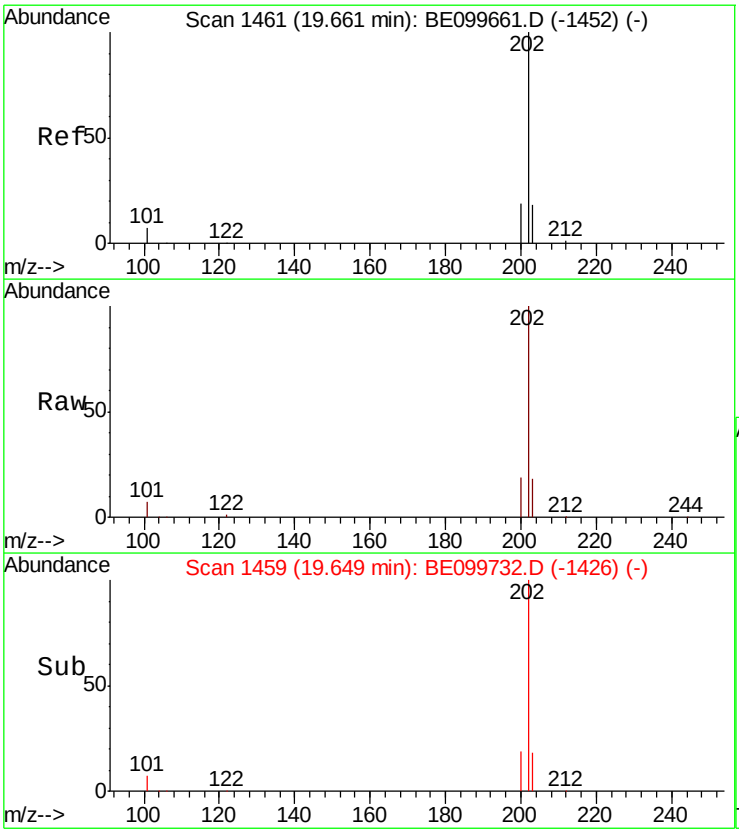
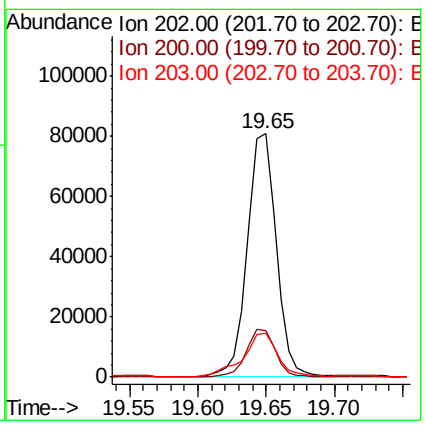


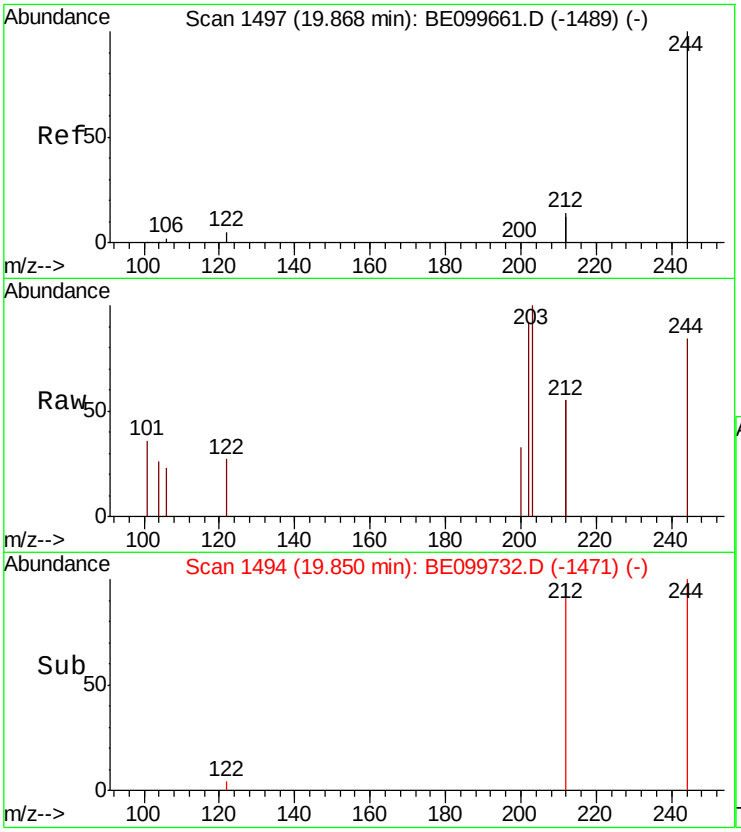


#28
Pyrene
Concen: 3.665 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:202 Resp: 117688

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.4	23.2
203	21.7	13.8	20.8#





#29
Terphenyl-d14
Concen: 0.011 ng
RT: 19.85 min Scan# 1494
Delta R.T. -0.02 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:244 Resp: 260

Ion	Ratio	Lower	Upper
244	100		
212	131.8	22.5	33.7#
122	32.6	4.3	6.5#

Instrument :
BNA_E
ClientSampleId :
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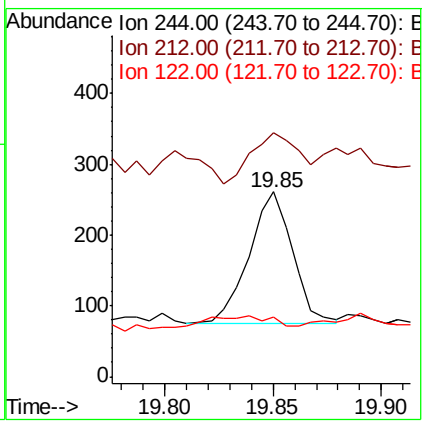
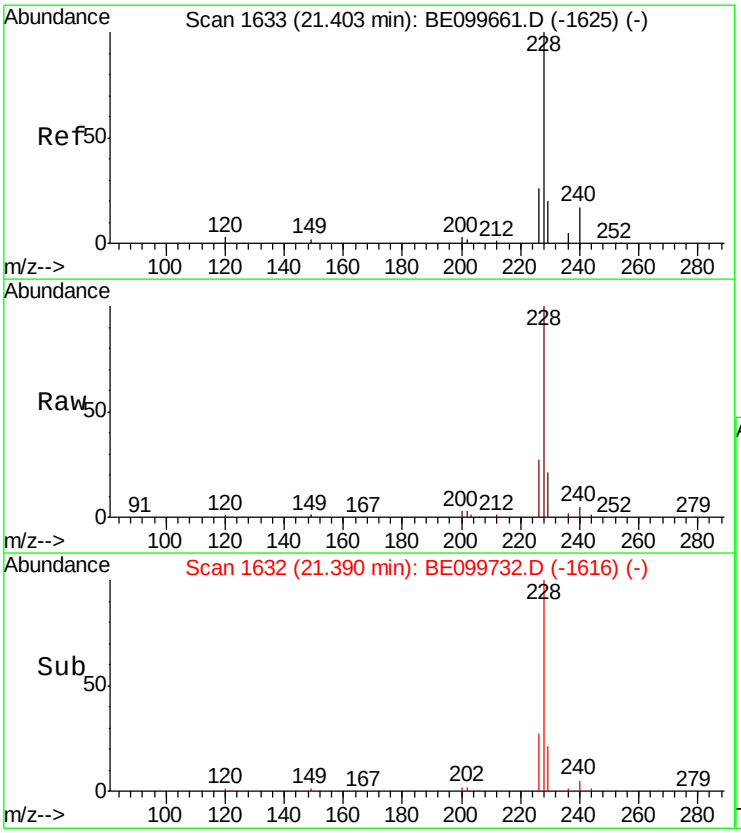
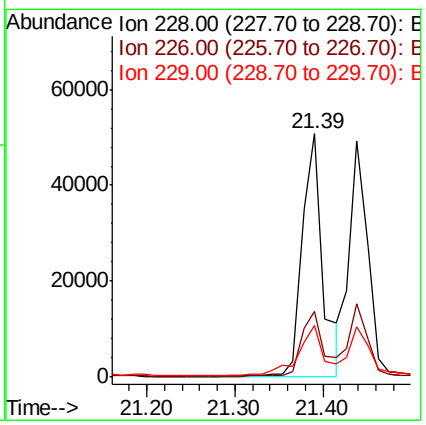


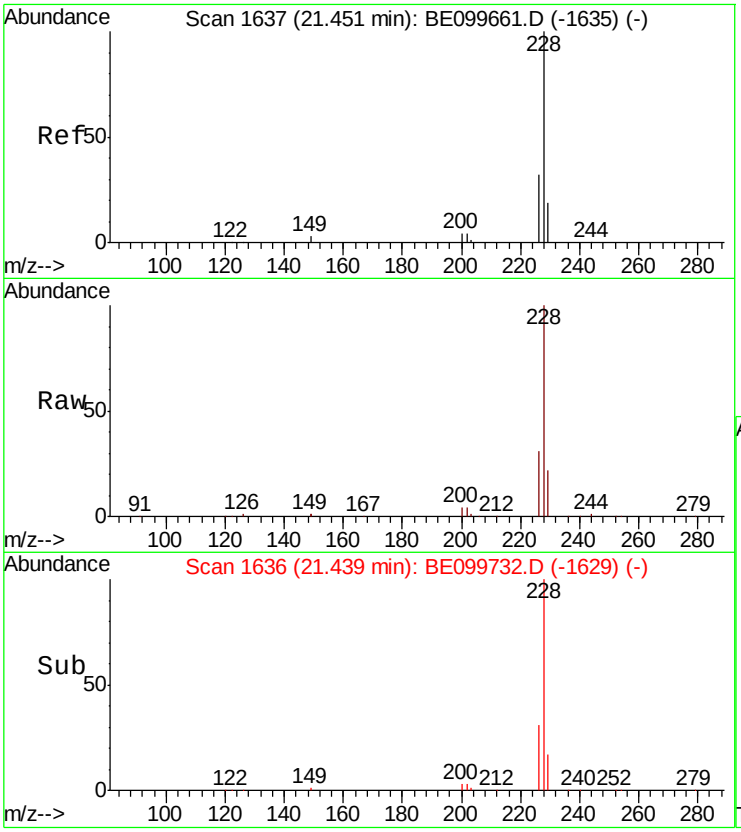


#30
Benzo(a)anthracene
Concen: 2.269 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:228 Resp: 82415

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.3	31.9
229	21.4	16.1	24.1

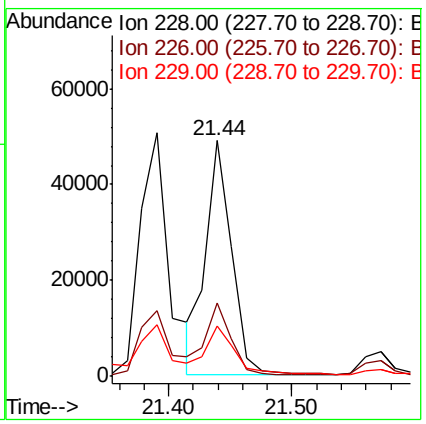




#31
Chrysene
Concen: 1.832 ng
RT: 21.44 min Scan# 1636
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:228 Resp: 71115

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	21.6	15.8	23.6



Instrument :
BNA_E
ClientSampleId :
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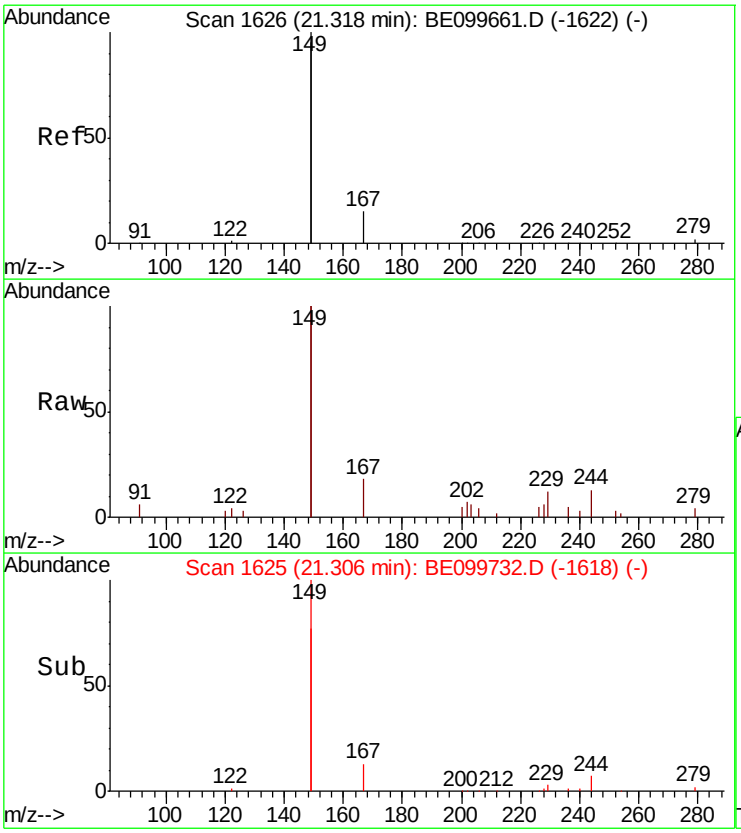
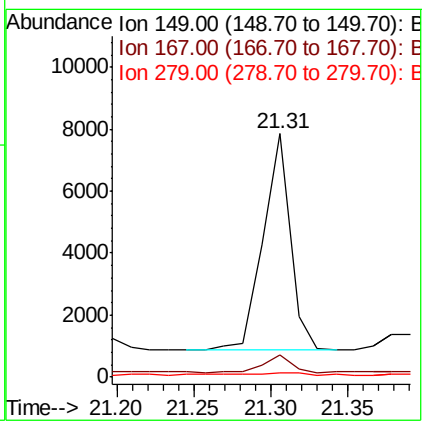
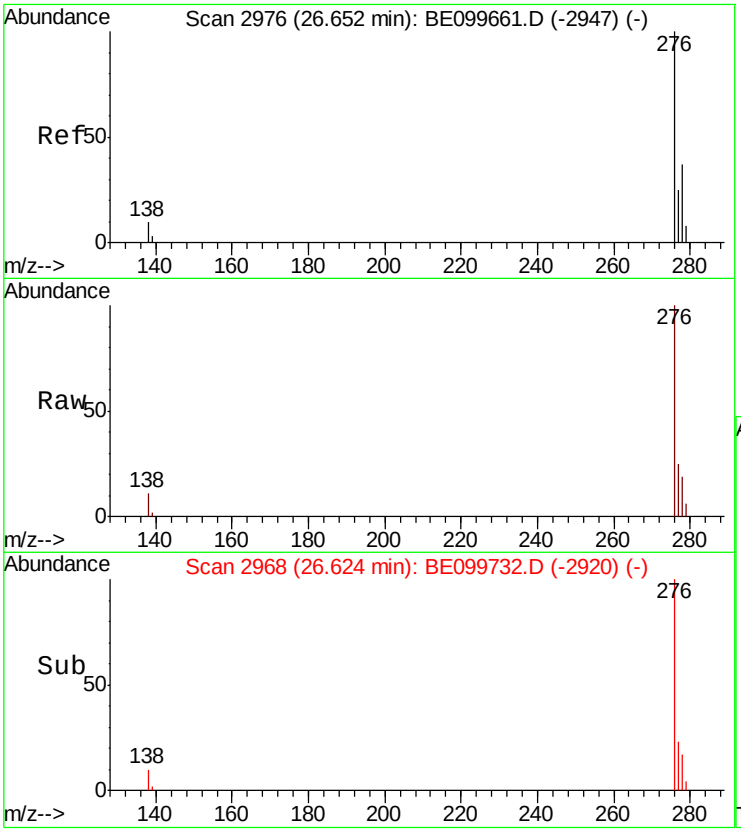


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.208 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:149 Resp: 8699

Ion	Ratio	Lower	Upper
149	100		
167	8.2	6.2	9.4
279	1.6	1.2	1.8





#33
Indeno(1,2,3-cd)pyrene
Concen: 1.082 ng
RT: 26.62 min Scan# 2968
Delta R.T. -0.03 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:276 Resp: 50717

Ion	Ratio	Lower	Upper
276	100		
138	10.4	9.6	14.4
277	24.5	19.2	28.8

Instrument :
BNA_E
ClientSampleId :
FESB-18(2.5-3.0)DL

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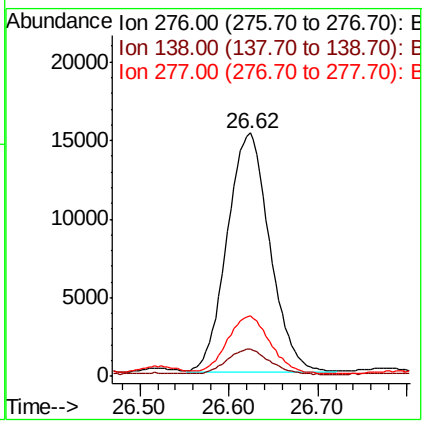
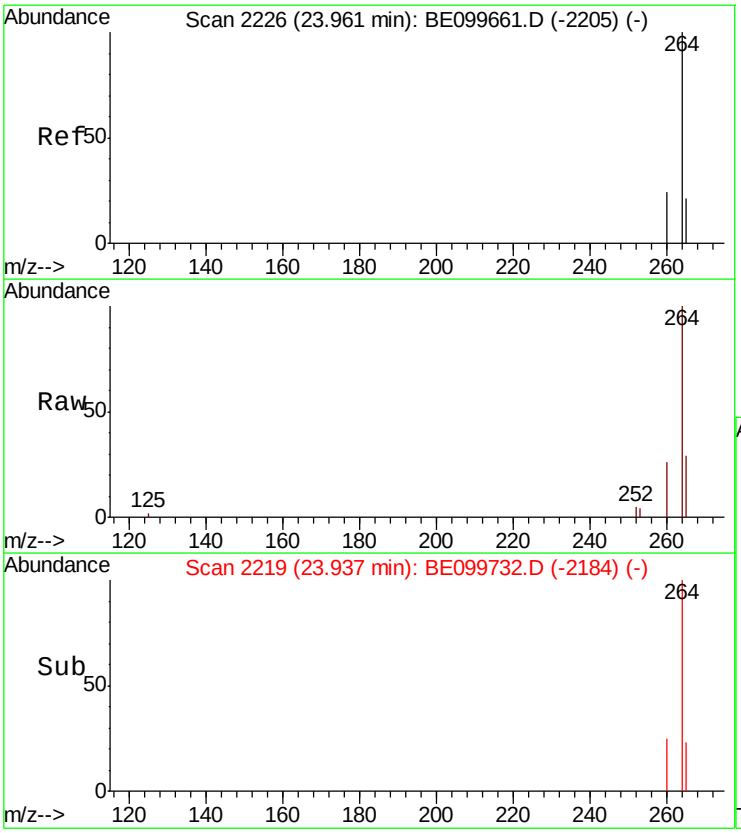
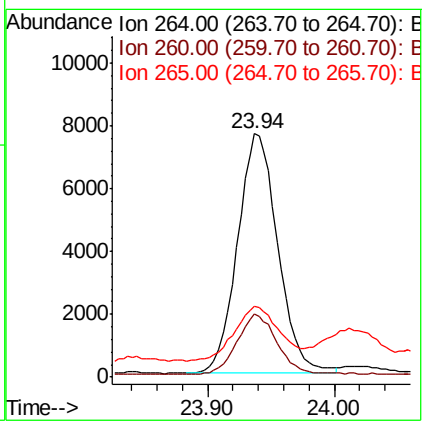


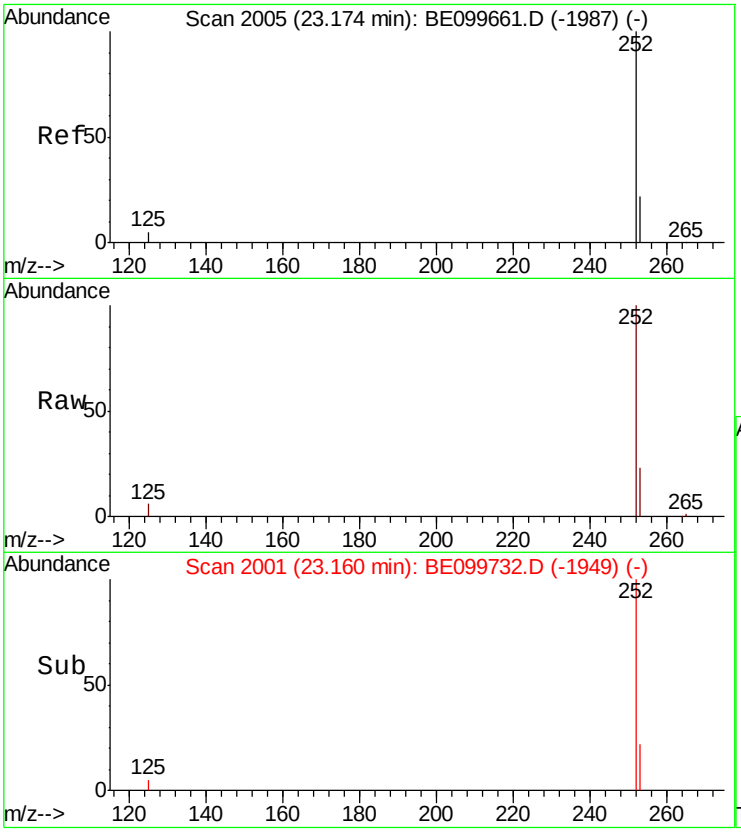


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:264 Resp: 17000

Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.6	29.4
265	28.9	19.1	28.7#

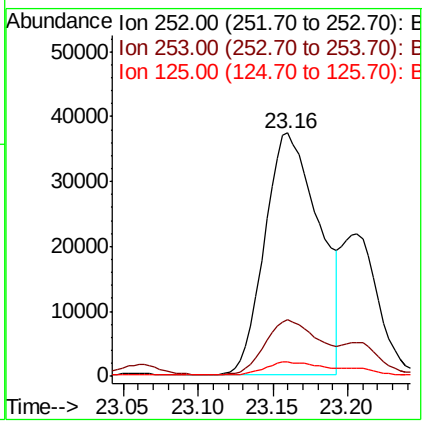




#35
Benzo(b)fluoranthene
Concen: 2.035 ng
RT: 23.16 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:252 Resp: 94795

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	5.8	4.5	6.7



Instrument :
BNA_E
ClientSampleId :
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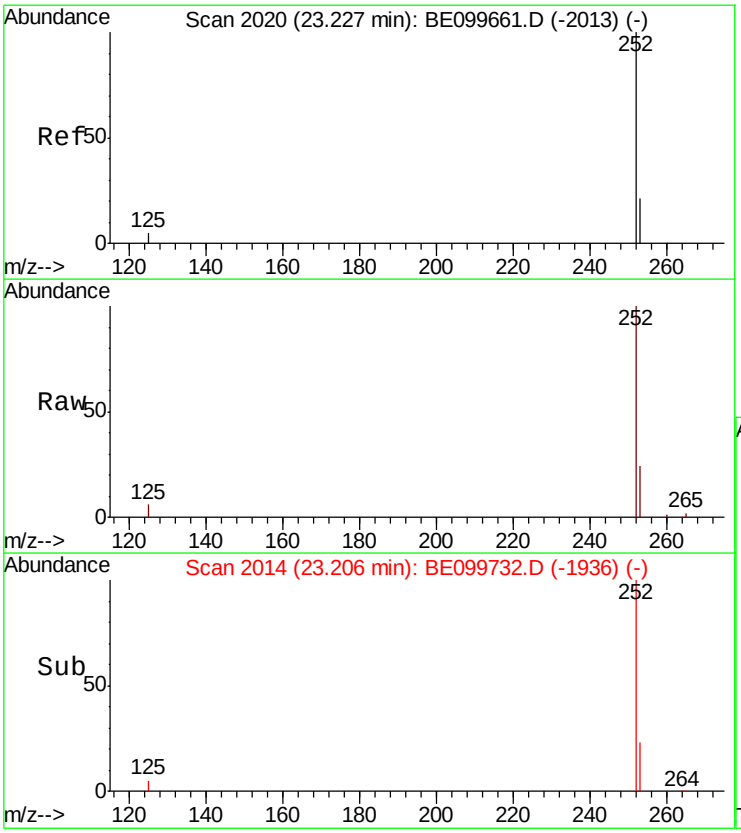
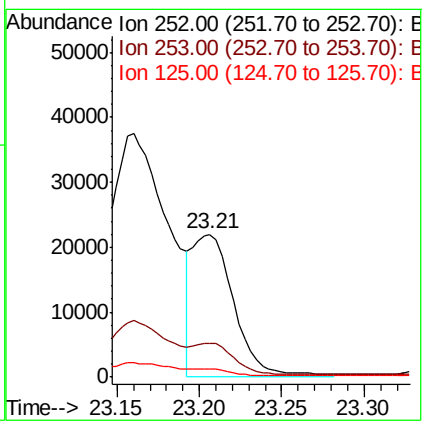
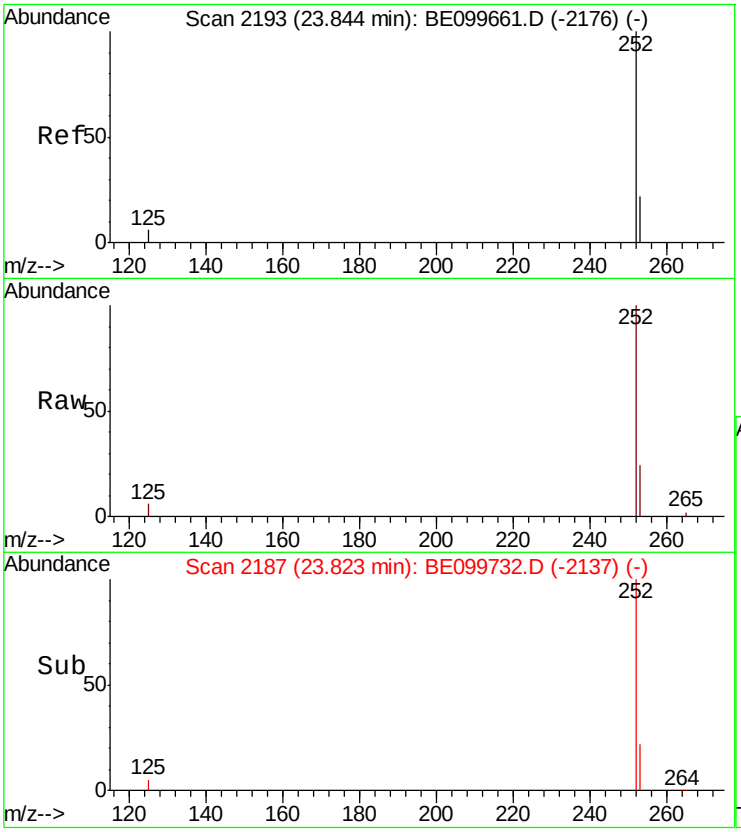


#36
Benzo(k)fluoranthene
Concen: 0.802 ng m
RT: 23.21 min Scan# 2014
Delta R.T. -0.02 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:252 Resp: 38921

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	6.0	4.6	6.8

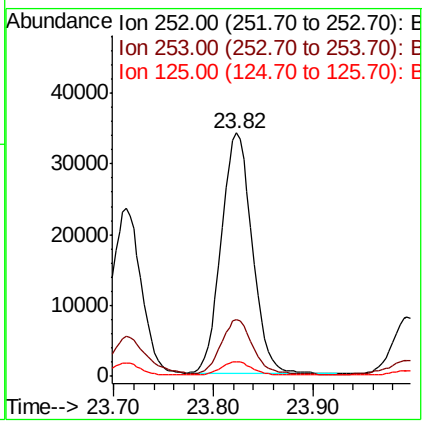




#37
Benzo(a)pyrene
Concen: 1.640 ng
RT: 23.82 min Scan# 2187
Delta R.T. -0.02 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:252 Resp: 73499

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.9	28.3
125	5.8	5.4	8.0



Instrument :
BNA_E
ClientSampleId :
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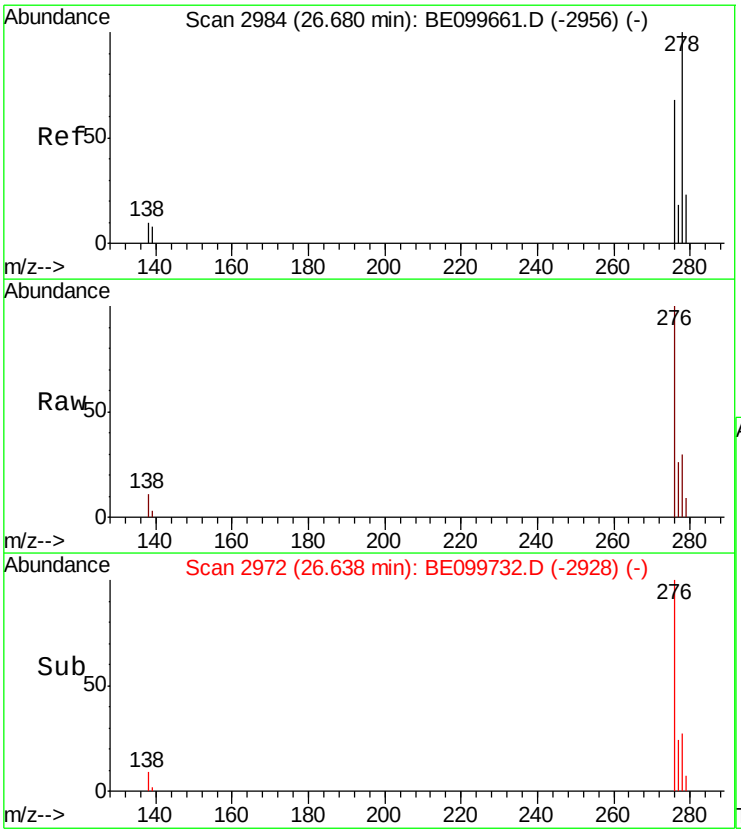
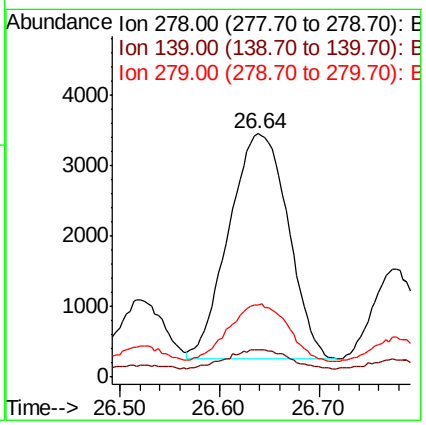
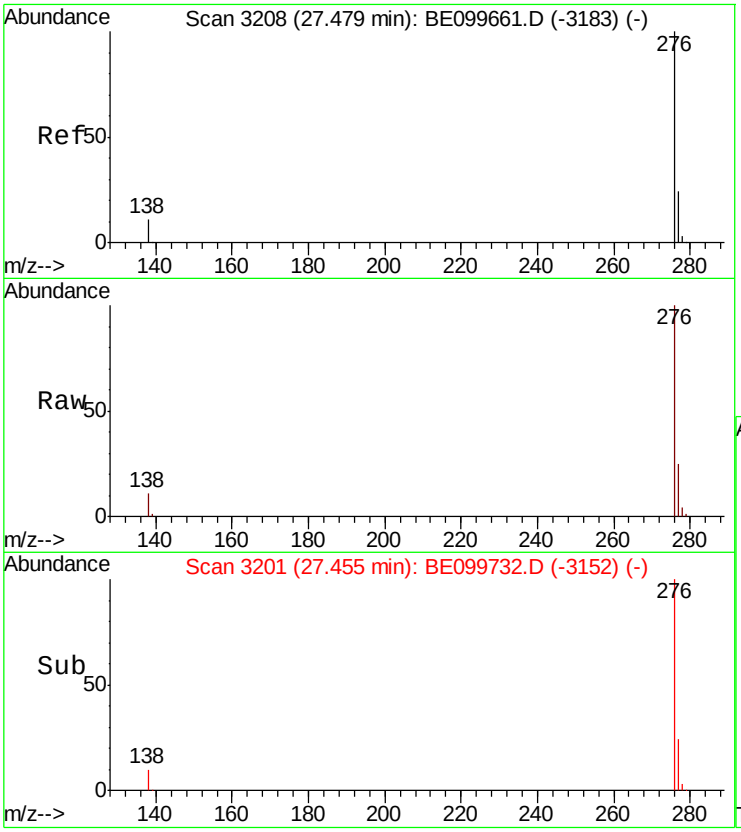


#38
Dibenzo(a,h)anthracene
Concen: 0.282 ng
RT: 26.64 min Scan# 2972
Delta R.T. -0.04 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:278 Resp: 13255

Ion	Ratio	Lower	Upper
278	100		
139	11.0	6.9	10.3#
279	29.8	19.2	28.8#

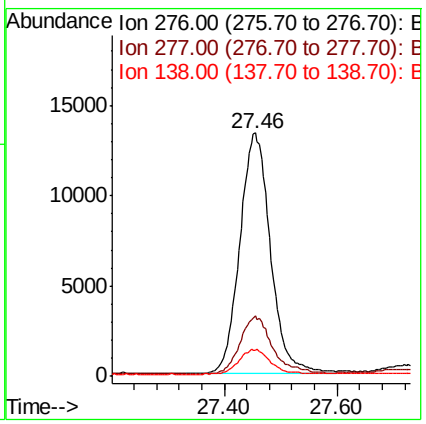




#39
Benzo(g,h,i)perylene
Concen: 1.056 ng
RT: 27.46 min Scan# 3201
Delta R.T. -0.02 min
Lab File: BE099732.D
Acq: 23 May 2019 13:55

Tgt Ion:276 Resp: 50218

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.6
138	10.9	9.2	13.8



Instrument :
BNA_E
ClientSampleId :
FESB-18(2.5-3.0)DL

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