Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052219\
Data File : BE099721.D
Acq On : 22 May 2019 15:46
Operator : JU/SJ
Sample : K2966-02MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : FESB-14(4.5-5)MS

Manual Integrations APPROVED
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Quant Time: May 23 08:22:34 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	7.81	152	1397	0.40	ng		0.00
7) Naphthalene-d8	10.61	136	4972	0.40	ng		0.00
13) Acenaphthene-d10	14.49	164	3510	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	10437	0.40	ng		0.00
27) Chrysene-d12	21.41	240	14886	0.40	ng		0.00
34) Perylene-d12	23.95	264	18003	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.38	112	1426	0.40	ng		0.00
5) Phenol-d6	6.97	99	2014	0.43	ng		0.00
8) Nitrobenzene-d5	8.96	82	1708	0.40	ng		-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2682m	0.31	ng		-0.02
14) 2,4,6-Tribromophenol	15.97	330	870	0.45	ng		-0.01
15) 2-Fluorobiphenyl	13.10	172	4299	0.32	ng		0.00
25) Fluoranthene-d10	19.26	212	43942	0.31	ng		0.00
29) Terphenyl-d14	19.86	244	9291	0.35	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	505	0.244	ng	#	76
3) n-Nitrosodimethylamine	3.62	42	434	0.380	ng	#	90
6) bis(2-Chloroethyl)ether	7.23	93	1552	0.373	ng		97
9) Naphthalene	10.67	128	21552	0.405	ng		99
10) Hexachlorobutadiene	10.94	225	1291	0.330	ng		100
12) 2-Methylnaphthalene	12.30	142	3427	0.395	ng		98
16) Acenaphthylene	14.20	152	9520	0.582	ng		100
17) Acenaphthene	14.54	154	3460	0.377	ng		98
18) Fluorene	15.53	166	5247	0.388	ng		99
20) 4-Bromophenyl-phenylether	16.42	248	2092	0.348	ng		96
21) Hexachlorobenzene	16.53	284	2045	0.332	ng		97
22) Pentachlorophenol	16.88	266	2289	1.259	ng		92
23) Phenanthrene	17.27	178	13665	0.536	ng		99
24) Anthracene	17.36	178	11449	0.495	ng		100
26) Fluoranthene	19.29	202	28140	0.698	ng		100
28) Pyrene	19.66	202	30209	0.808	ng		97
30) Benzo(a)anthracene	21.40	228	29829m	0.705	ng		
31) Chrysene	21.45	228	28290	0.626	ng		98
32) Bis(2-ethylhexyl)phthalate	21.32	149	31044	0.637	ng		100
33) Indeno(1,2,3-cd)pyrene	26.64	276	45192	0.828	ng		99
35) Benzo(b)fluoranthene	23.17	252	39315m	0.797	ng		
36) Benzo(k)fluoranthene	23.22	252	25283	0.492	ng		97
37) Benzo(a)pyrene	23.84	252	31501	0.664	ng	#	98
38) Dibenzo(a,h)anthracene	26.67	278	21764	0.437	ng		97
39) Benzo(g,h,i)perylene	27.47	276	41131	0.817	ng		98

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

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Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

Manual Integrations APPROVED
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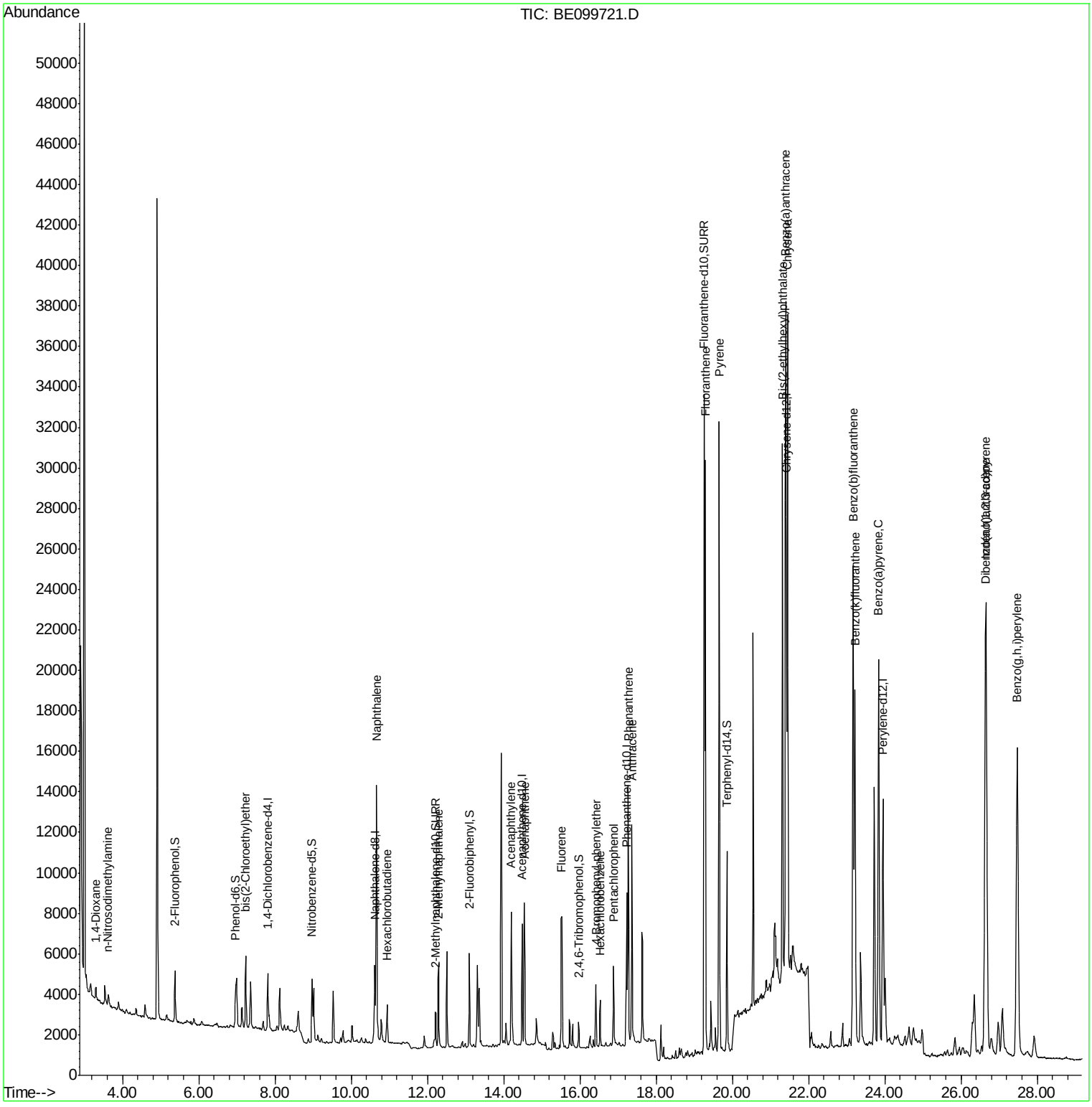
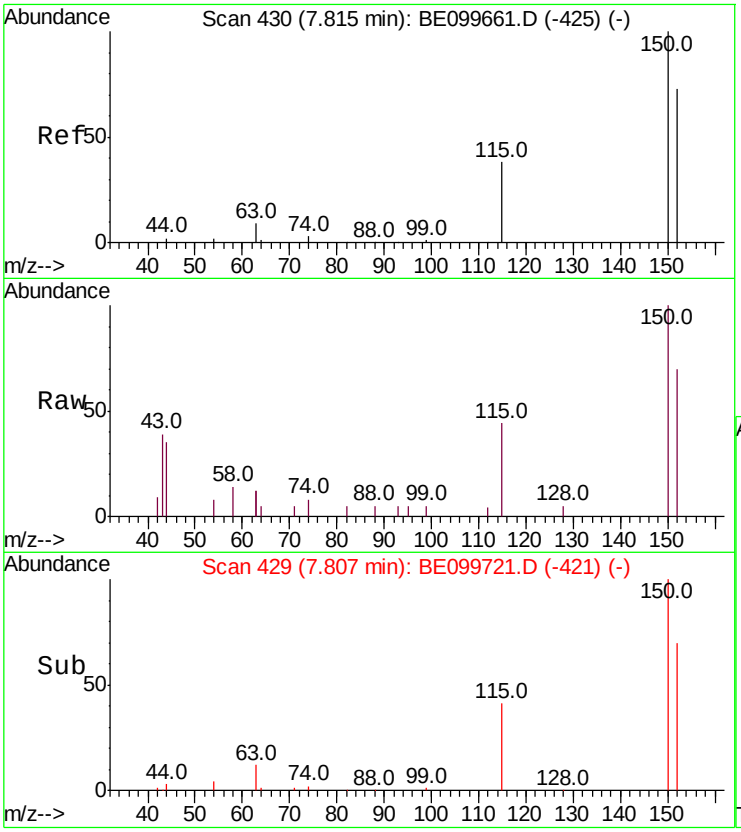
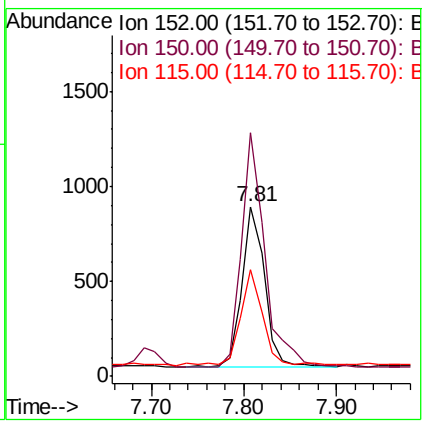




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:152 Resp: 1397

Ion	Ratio	Lower	Upper
152	100		
150	143.4	109.2	163.8
115	63.0	43.7	65.5



Instrument :
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ClientSampleId :
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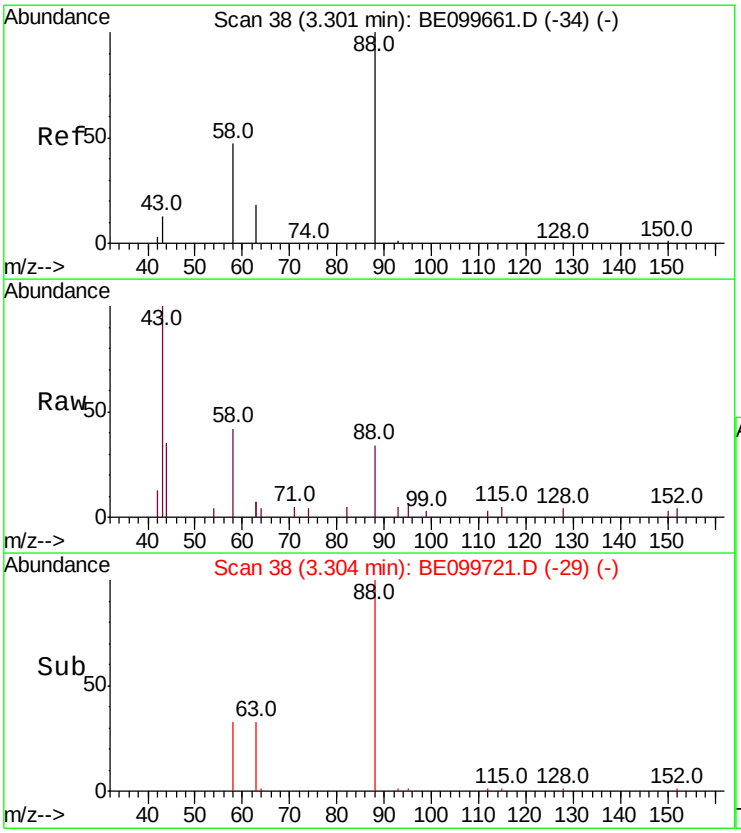
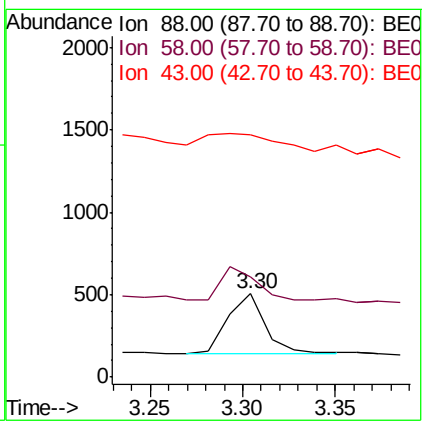
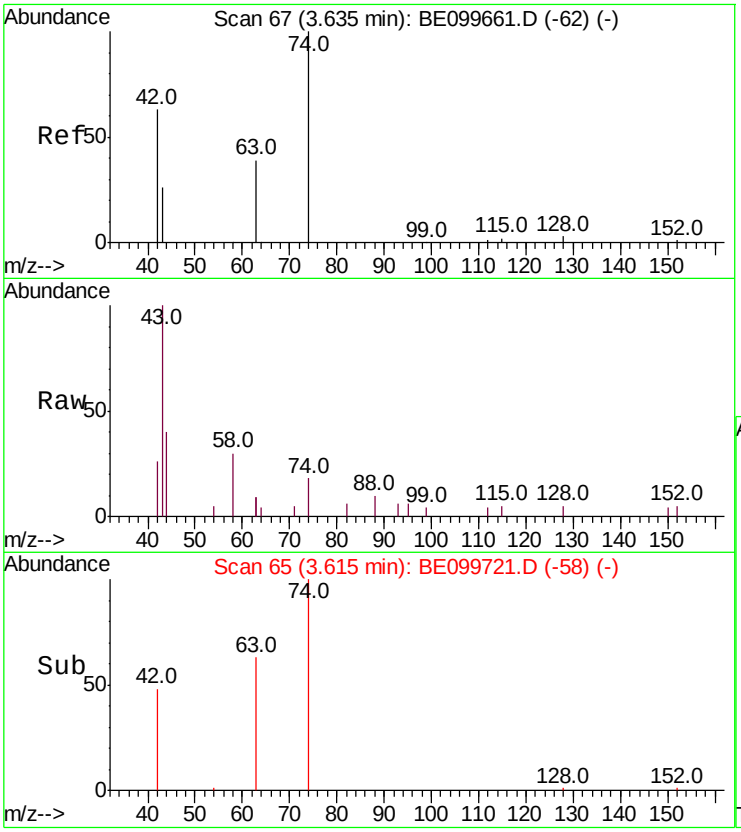


#2
1,4-Dioxane
Concen: 0.244 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion: 88 Resp: 505

Ion	Ratio	Lower	Upper
88	100		
58	53.9	41.8	62.8
43	56.8	15.0	22.4#

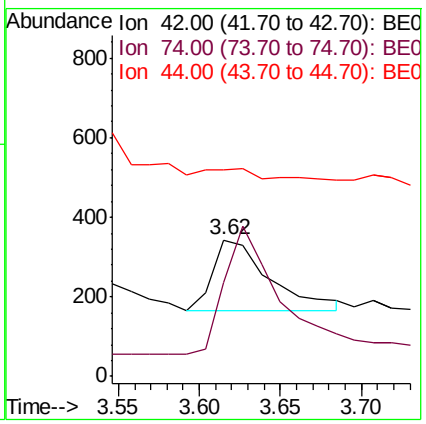




#3
n-Nitrosodimethylamine
Concen: 0.380 ng
RT: 3.62 min Scan# 65
Delta R.T. -0.02 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion: 42 Resp: 434

Ion	Ratio	Lower	Upper
42	100		
74	174.4	129.2	193.8
44	0.0	0.0	0.0



Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

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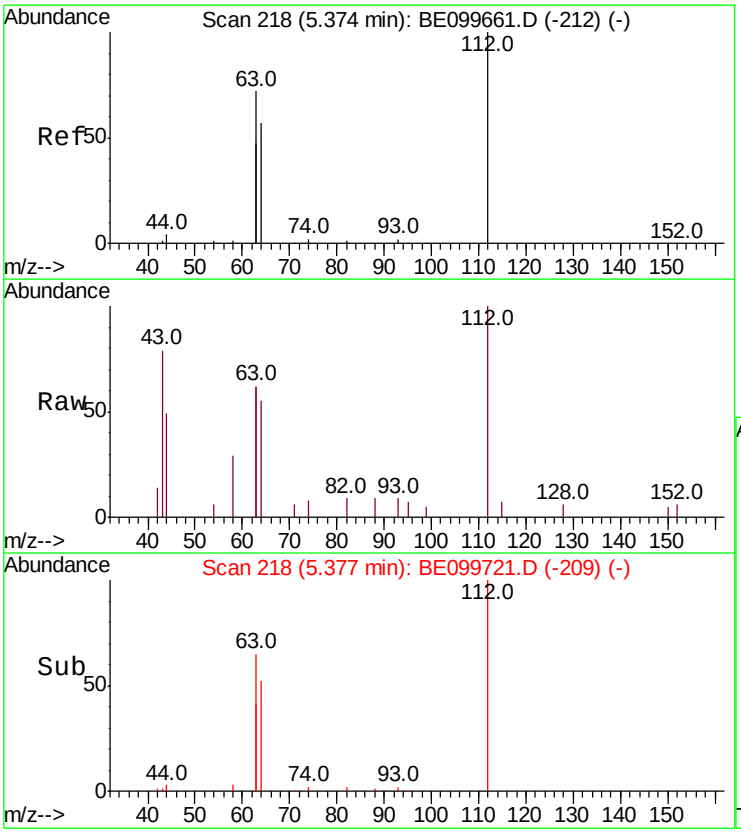
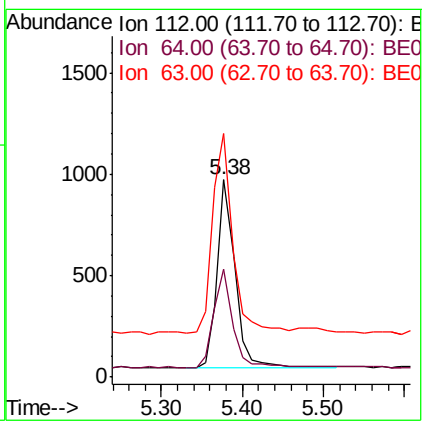
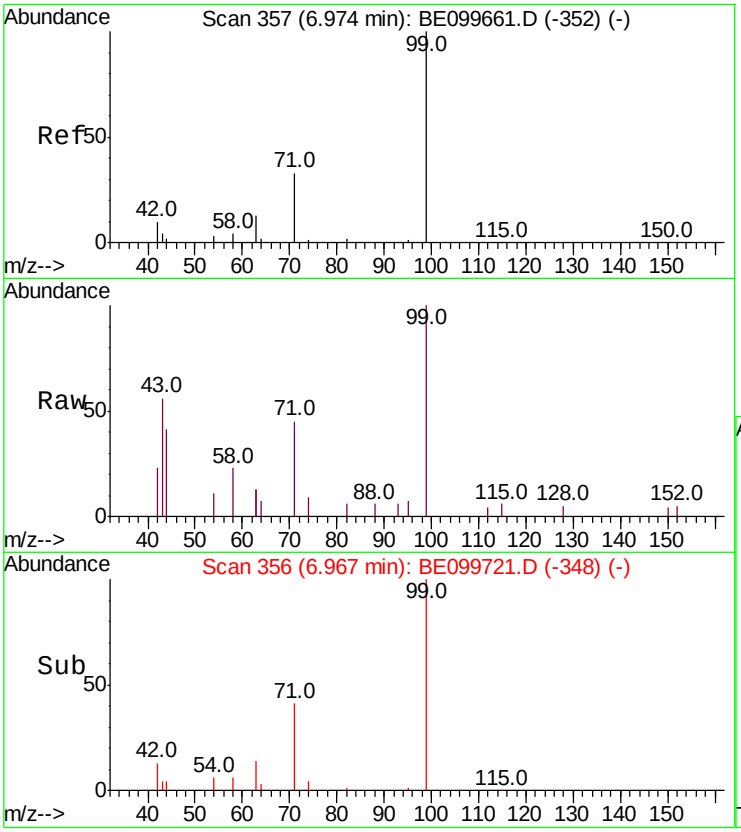


#4
2-Fluorophenol
Concen: 0.404 ng
RT: 5.38 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:112 Resp: 1426

Ion	Ratio	Lower	Upper
112	100		
64	55.3	43.4	65.2
63	118.3	96.9	145.3





#5
Phenol-d6
Concen: 0.431 ng
RT: 6.97 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion: 99 Resp: 2014

Ion	Ratio	Lower	Upper
99	100		
42	18.7	12.2	18.2#
71	37.7	28.9	43.3

Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

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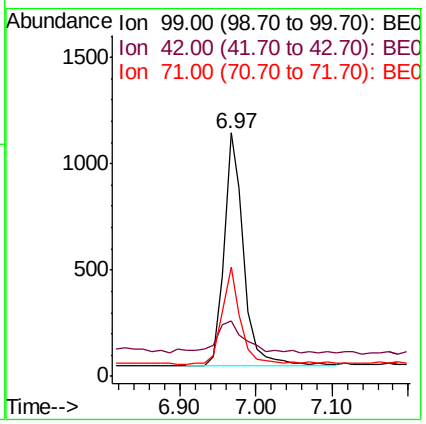
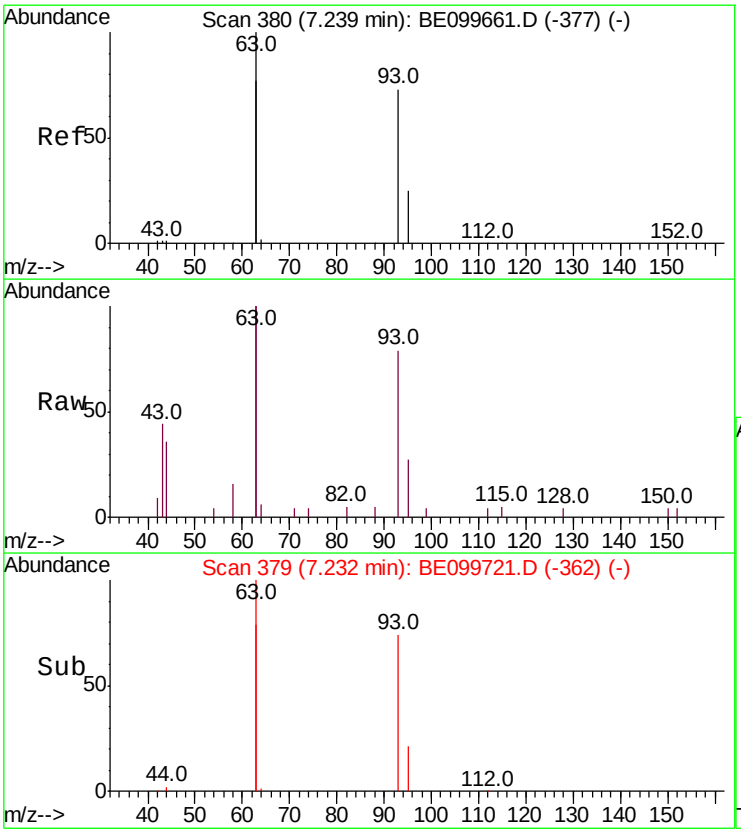
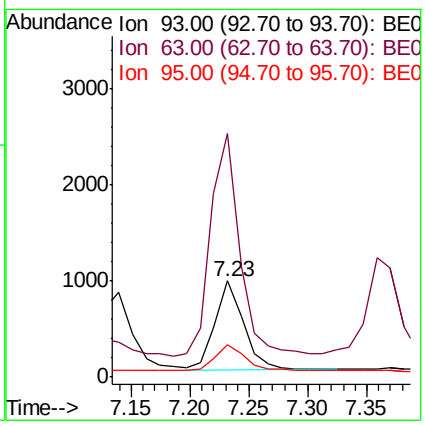


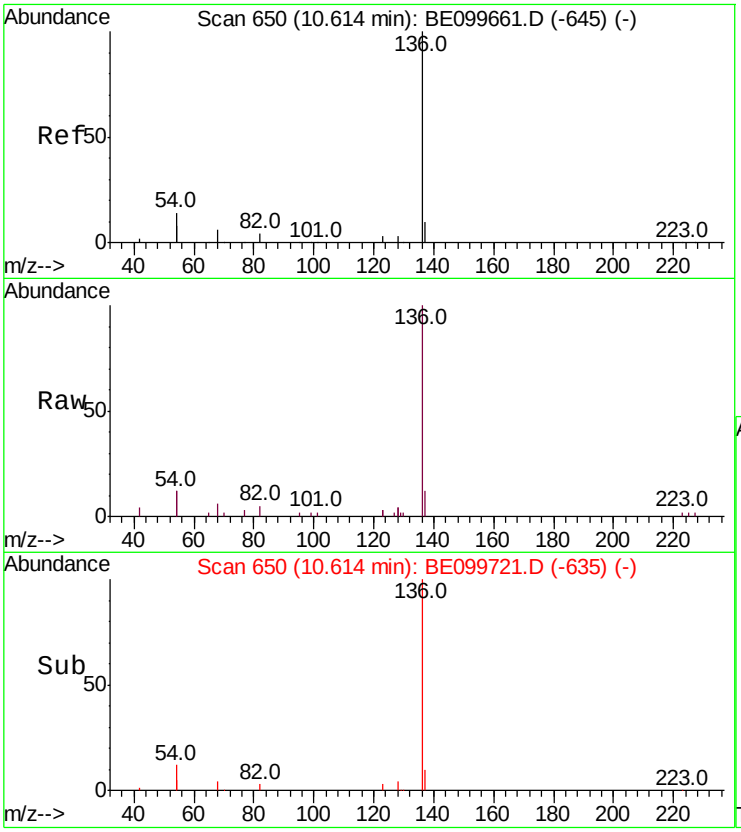


#6
bis(2-Chloroethyl)ether
Concen: 0.373 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion: 93 Resp: 1552

Ion	Ratio	Lower	Upper
93	100		
63	253.8	207.8	311.6
95	31.9	25.9	38.9

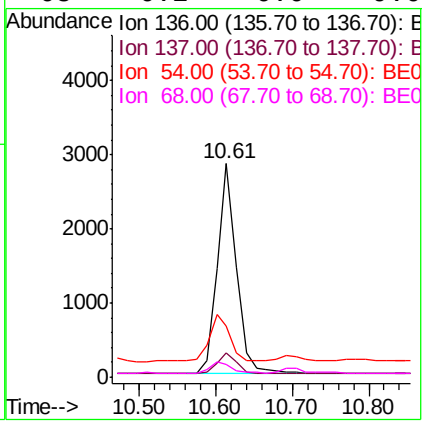




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. 0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:136 Resp: 4972

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.0	13.6
54	23.8	22.3	33.5
68	6.2	6.0	9.0



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ClientSampleId :
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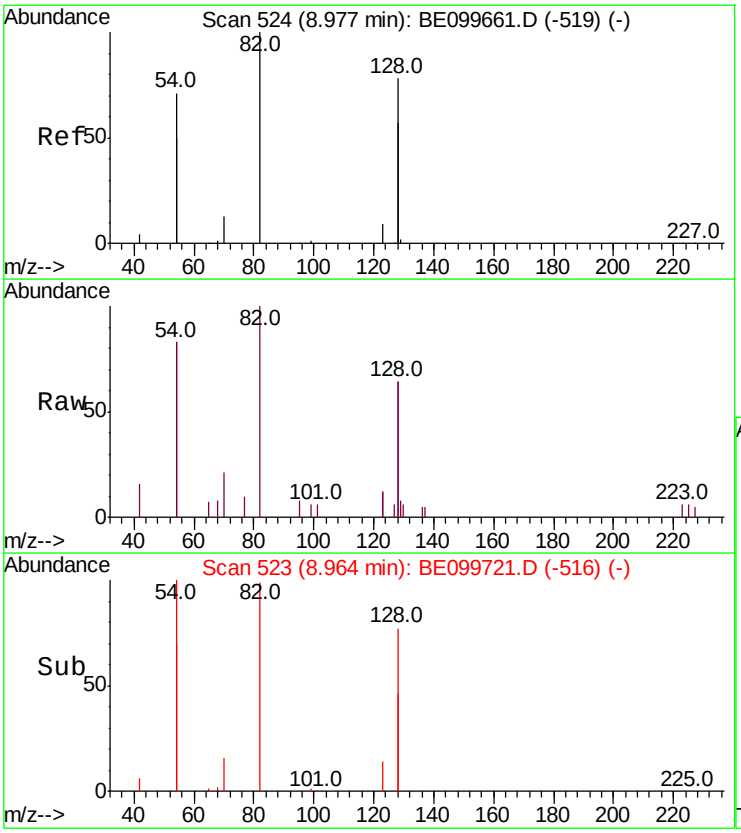
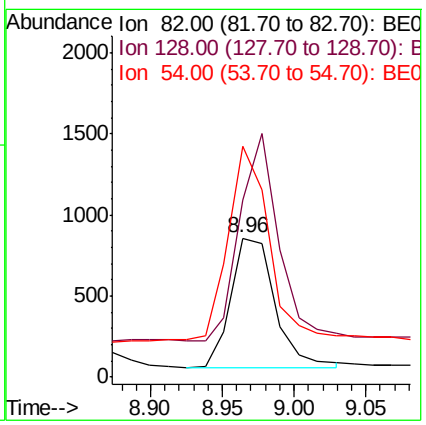
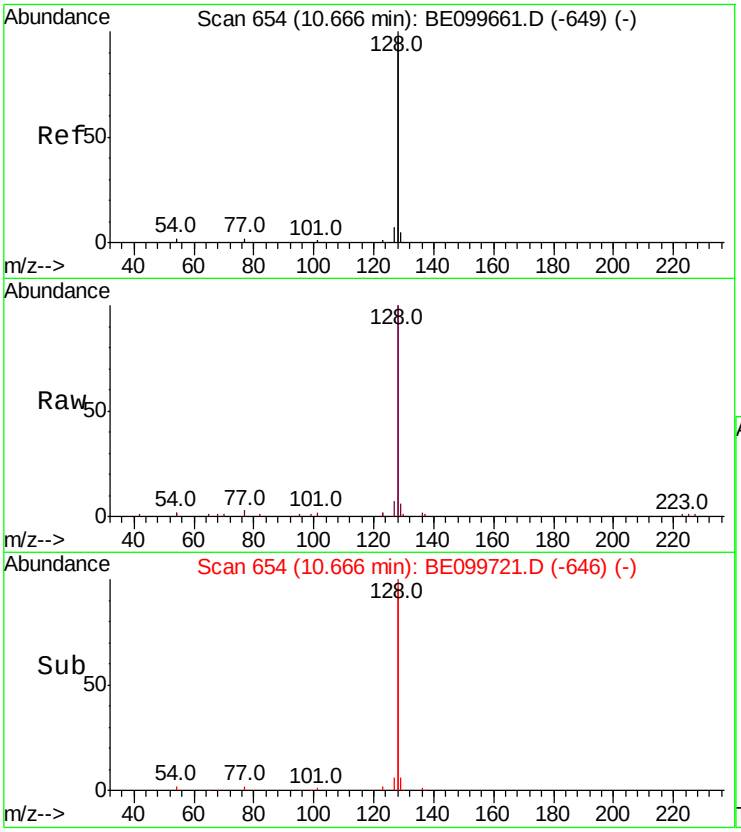


#8
Nitrobenzene-d5
Concen: 0.397 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.01 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion: 82 Resp: 1708

Ion	Ratio	Lower	Upper
82	100		
128	127.6	117.7	176.5
54	166.1	106.6	160.0#

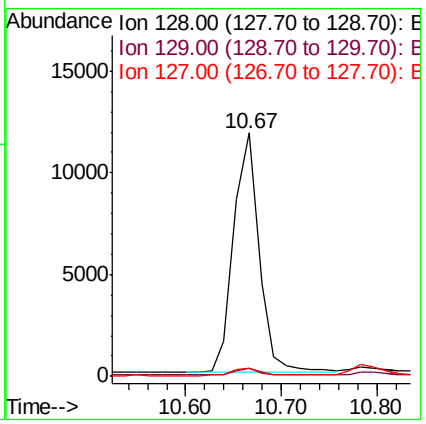




#9
Naphthalene
Concen: 0.405 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:128 Resp: 21552

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.4	3.6
127	3.4	2.9	4.3



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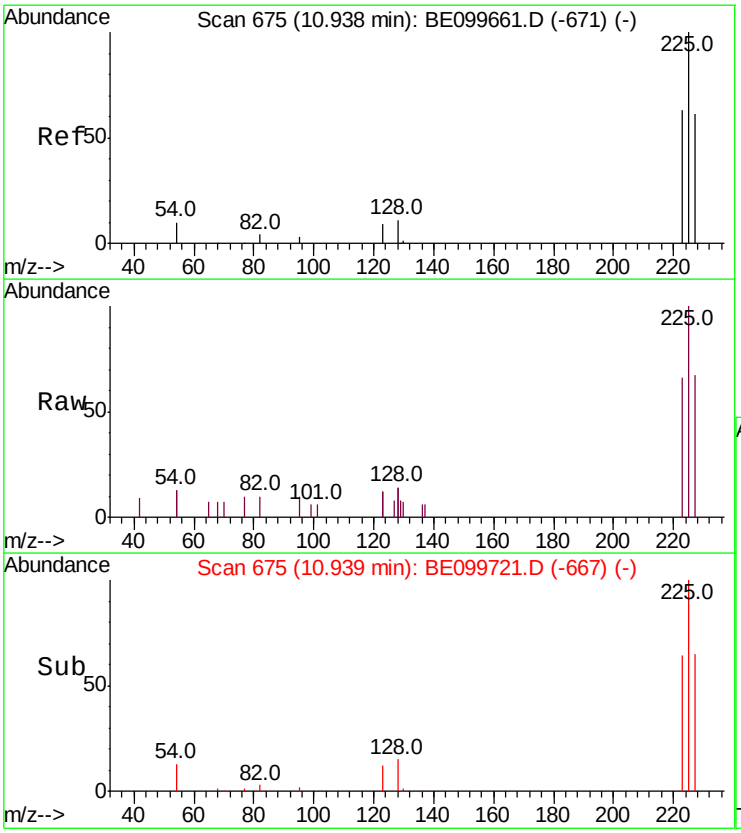
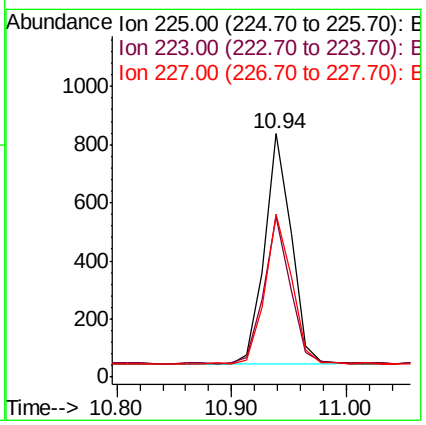
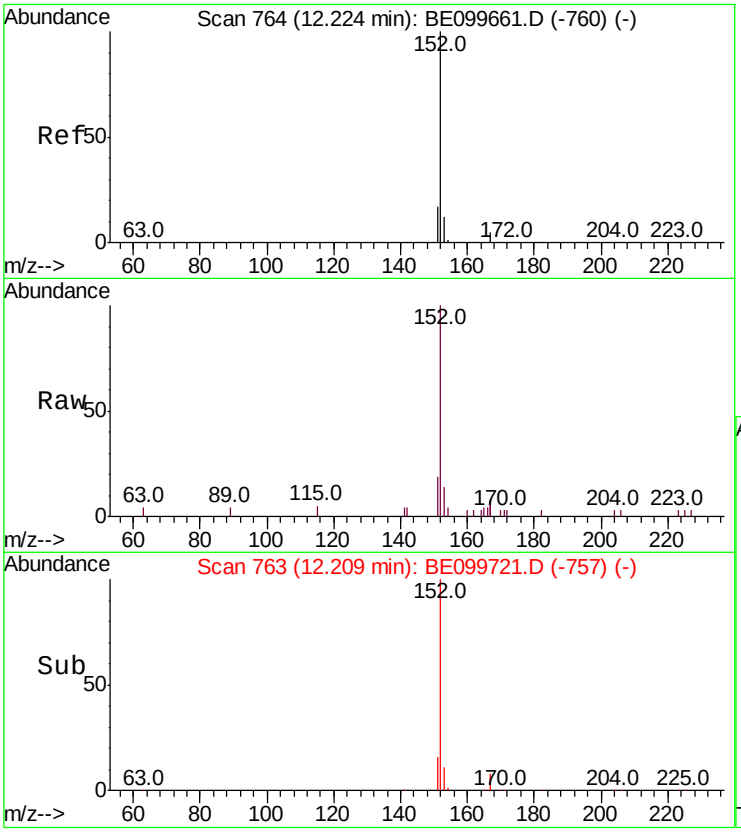


#10
Hexachlorobutadiene
Concen: 0.330 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:225 Resp: 1291

Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.8	77.6
227	65.7	52.6	79.0

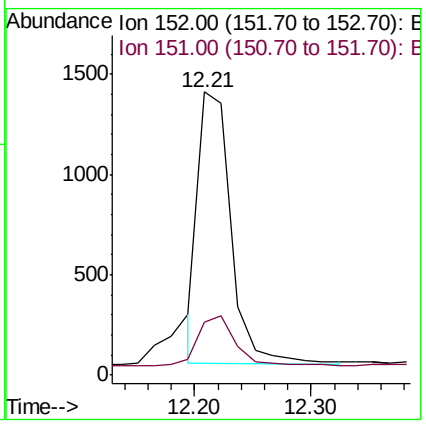




#11
2-Methylnaphthalene-d10
Concen: 0.313 ng m
RT: 12.21 min Scan# 763
Delta R.T. -0.02 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:152 Resp: 2682

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.0	22.4



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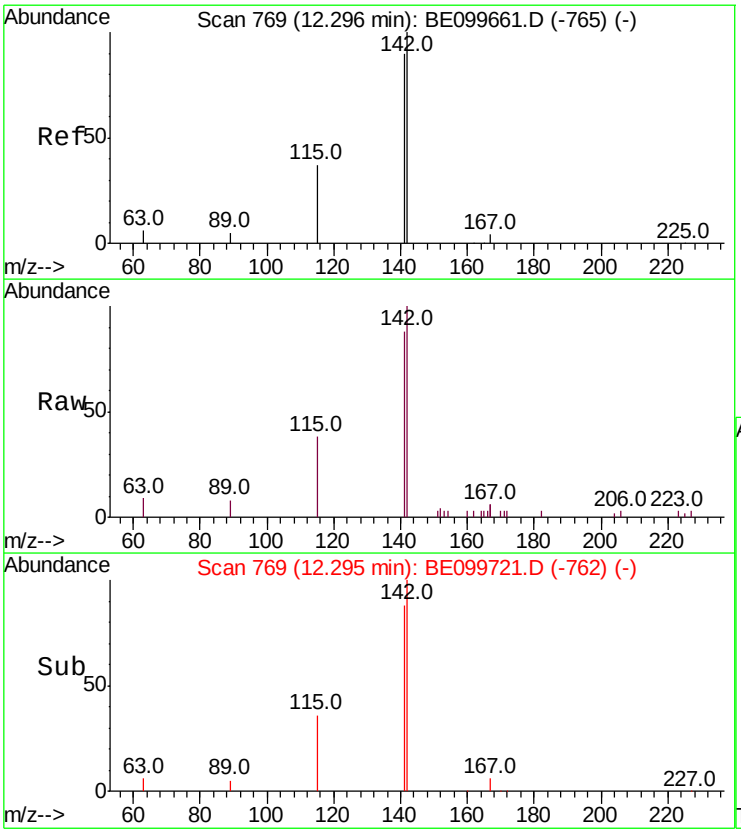
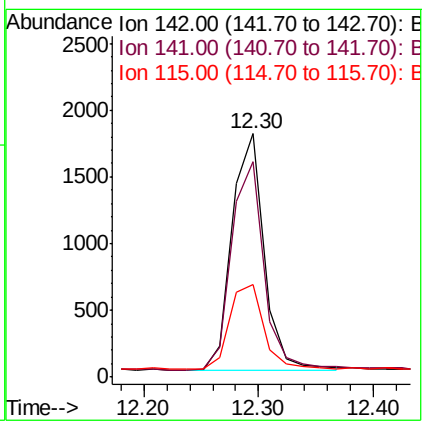
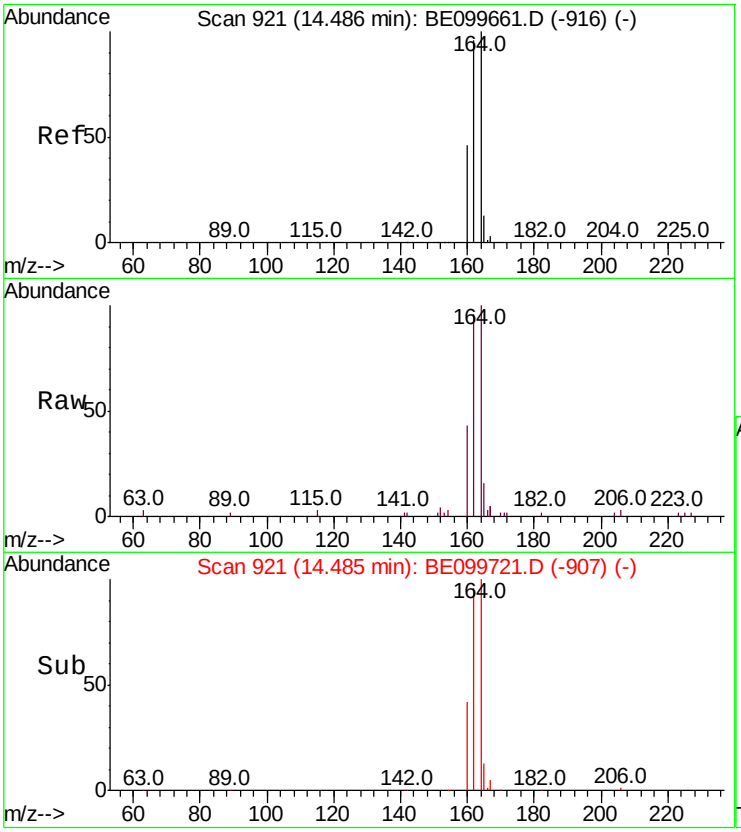


#12
2-Methylnaphthalene
Concen: 0.395 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:142 Resp: 3427

Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.0	108.0
115	37.9	31.0	46.4

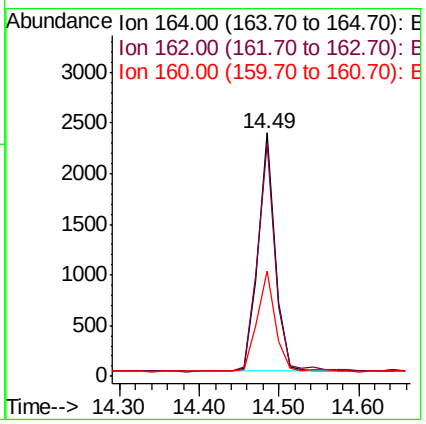




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:164 Resp: 3510

Ion	Ratio	Lower	Upper
164	100		
162	96.1	76.5	114.7
160	43.4	37.4	56.2



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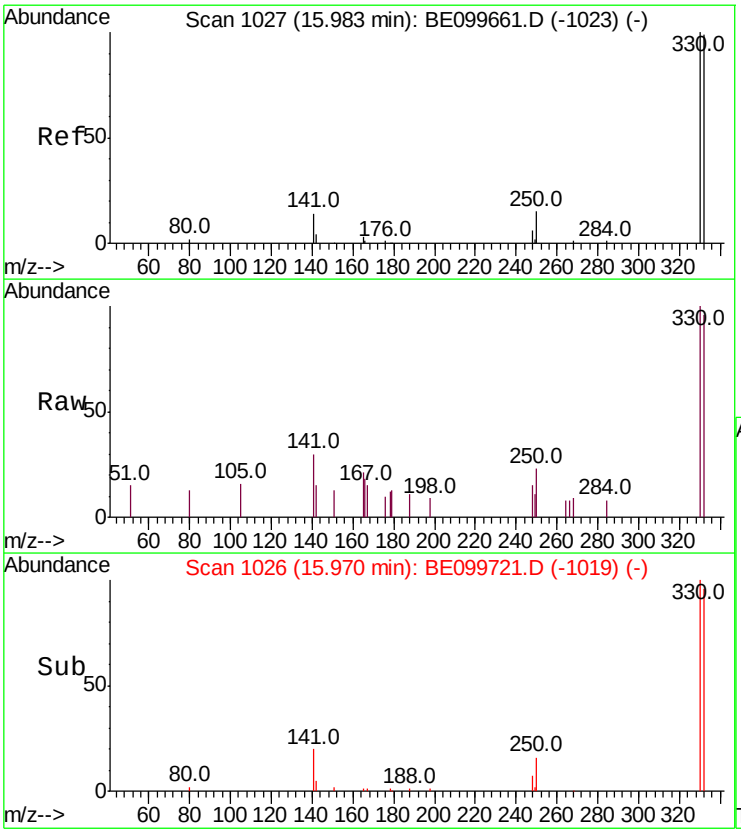
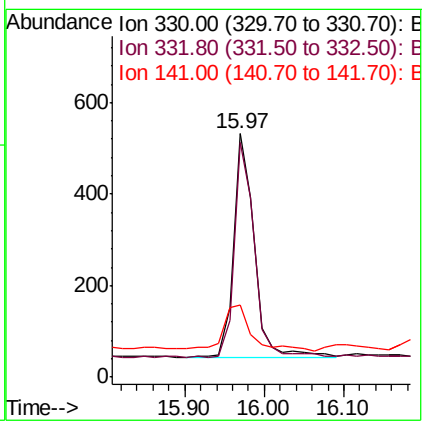
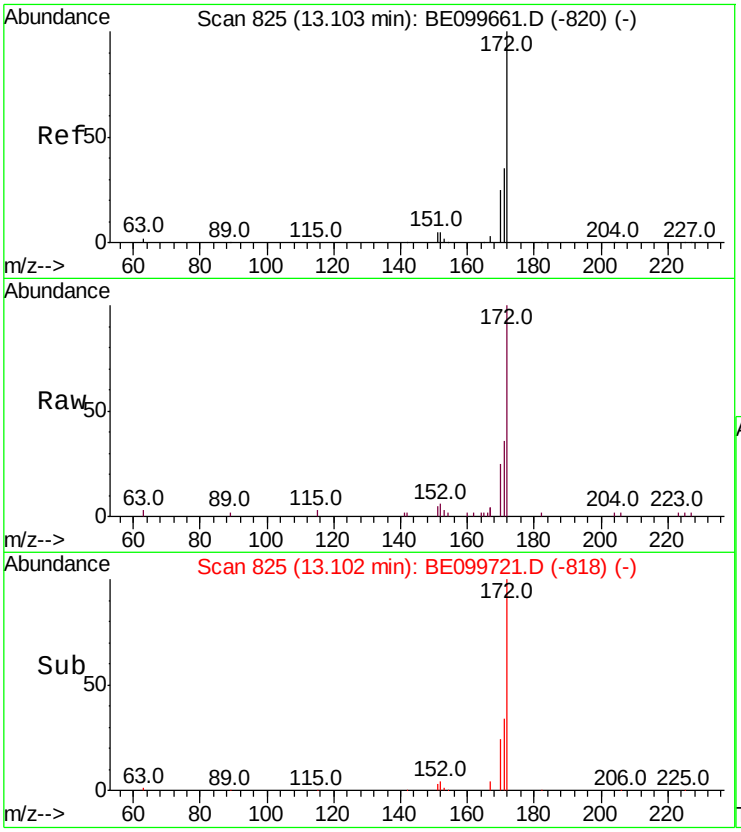


#14
2,4,6-Tribromophenol
Concen: 0.454 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:330 Resp: 870

Ion	Ratio	Lower	Upper
330	100		
332	93.7	77.3	115.9
141	27.6	18.9	28.3

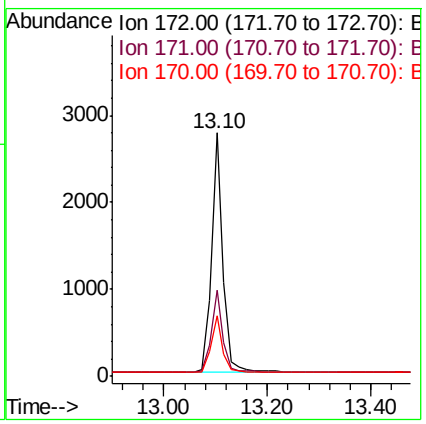




#15
2-Fluorobiphenyl
Concen: 0.323 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:172 Resp: 4299

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	24.9	20.9	31.3



Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

Manual Integrations APPROVED
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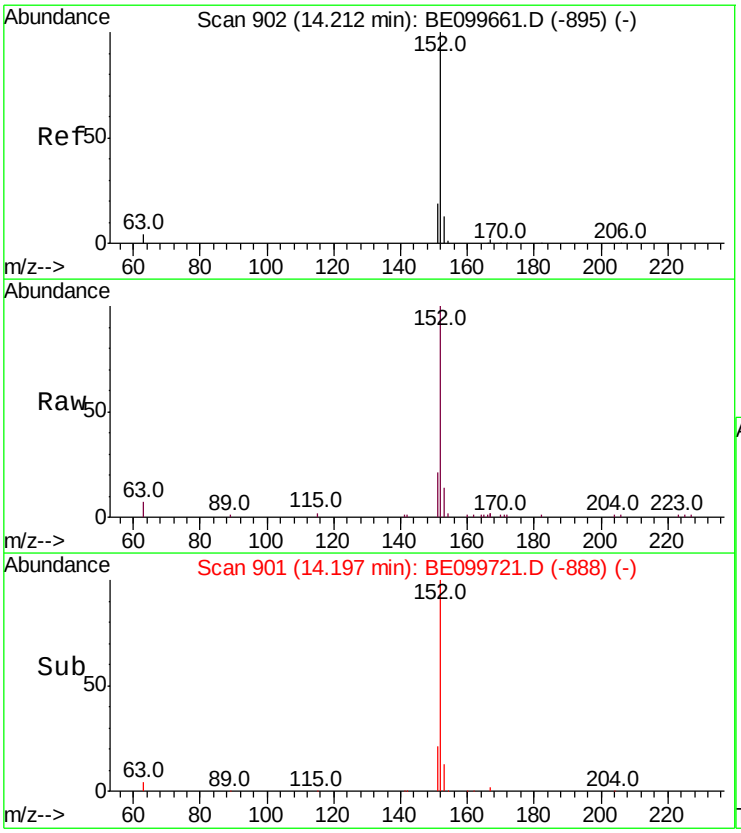
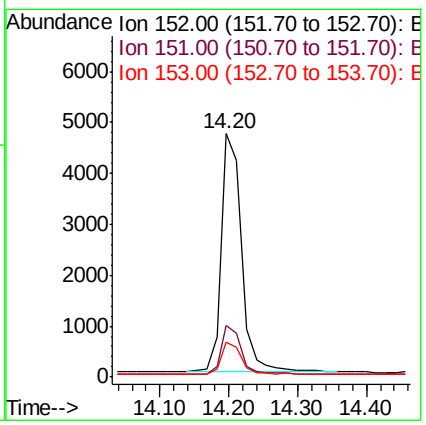
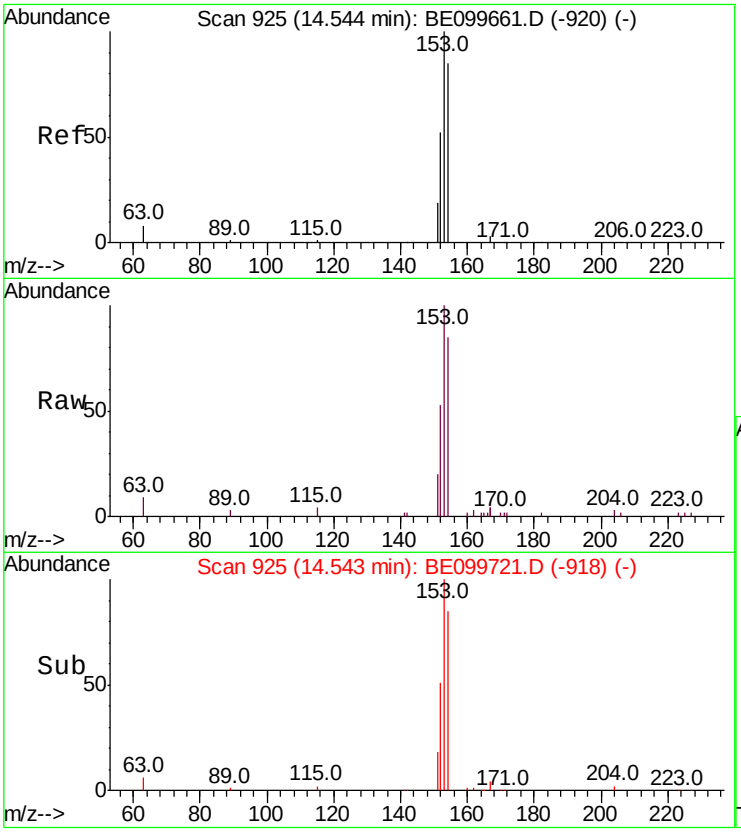


#16
Acenaphthylene
Concen: 0.582 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:152 Resp: 9520

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.0	10.6	16.0

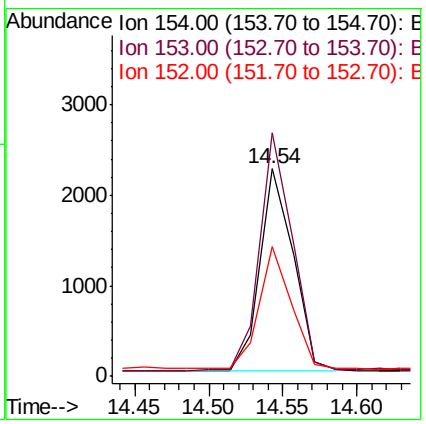




#17
Acenaphthene
Concen: 0.377 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:154 Resp: 3460

Ion	Ratio	Lower	Upper
154	100		
153	116.4	91.8	137.6
152	58.7	46.0	69.0



Instrument :
BNA_E
ClientSampleId :
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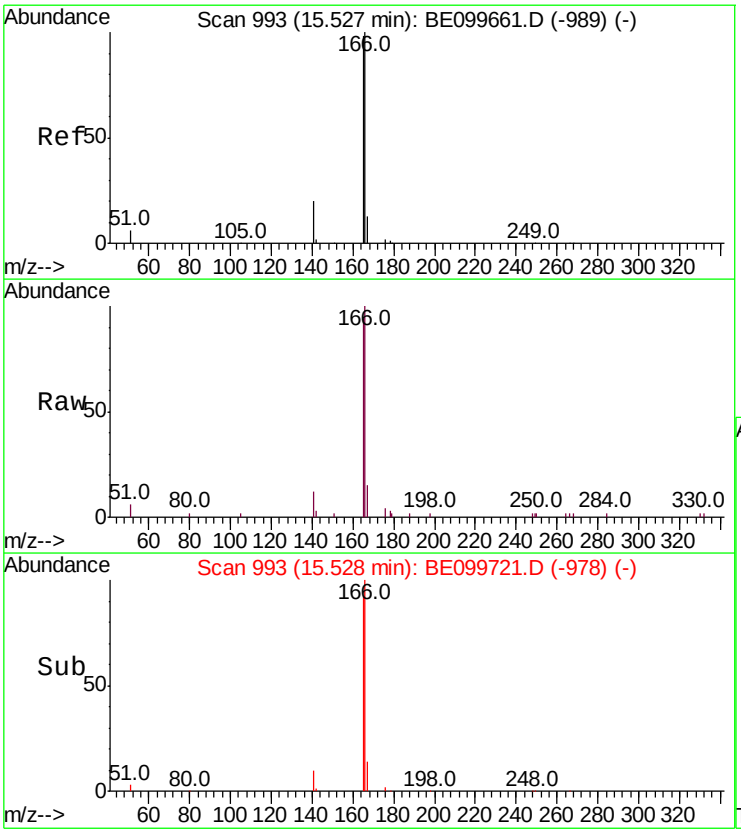
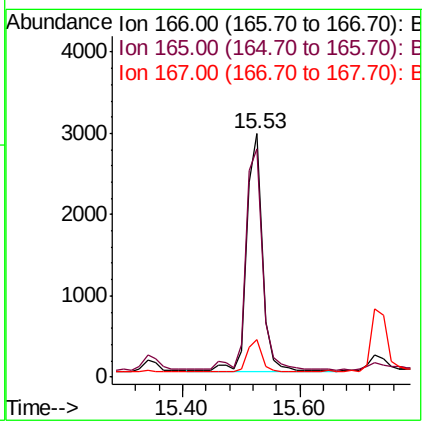
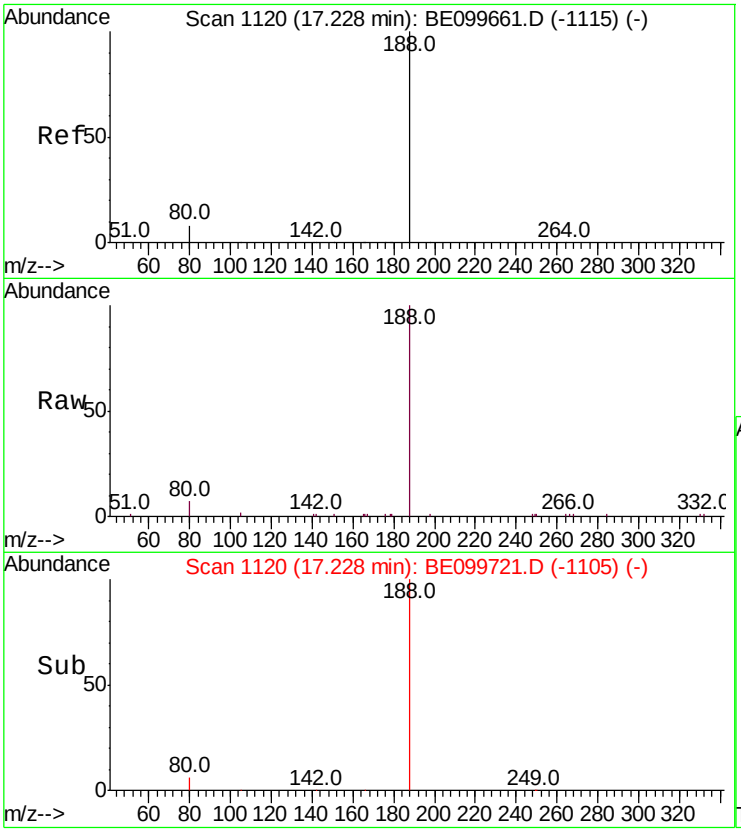


#18
Fluorene
Concen: 0.388 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:166 Resp: 5247

Ion	Ratio	Lower	Upper
166	100		
165	101.5	80.3	120.5
167	13.7	10.6	16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:188 Resp: 10437

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	6.7	10.1#

Instrument :
BNA_E
ClientSampleId :
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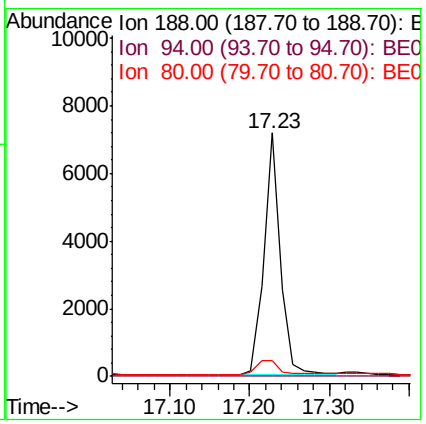
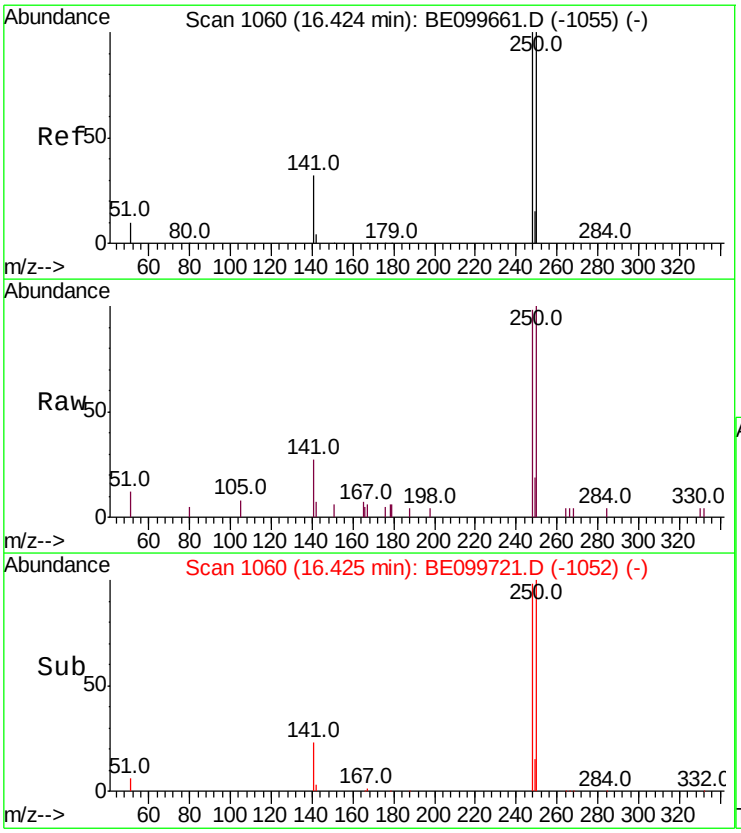
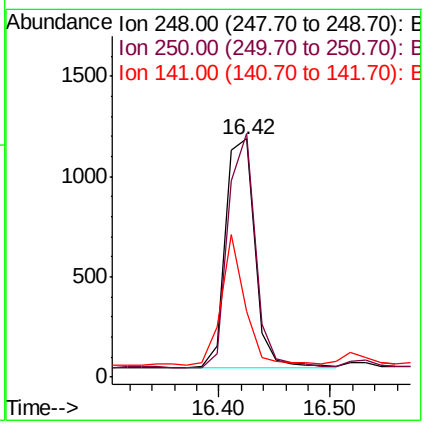


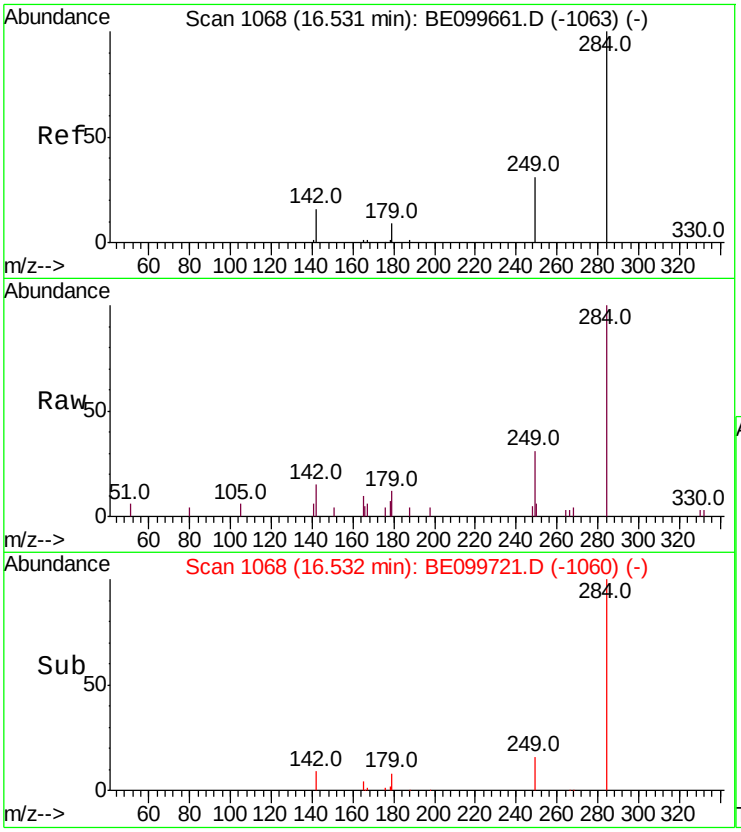


#20
4-Bromophenyl-phenylether
Concen: 0.348 ng
RT: 16.42 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:248 Resp: 2092

Ion	Ratio	Lower	Upper
248	100		
250	102.3	79.8	119.8
141	27.9	27.0	40.6

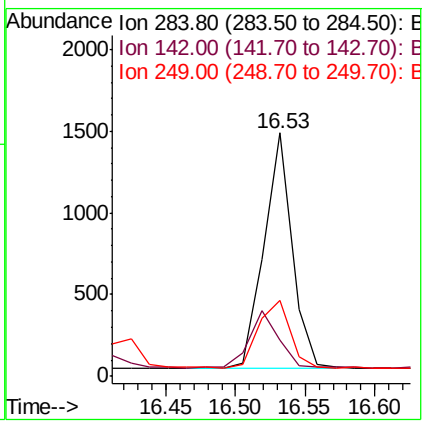




#21
Hexachlorobenzene
Concen: 0.332 ng
RT: 16.53 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:284 Resp: 2045

Ion	Ratio	Lower	Upper
284	100		
142	24.4	17.8	26.6
249	31.7	24.8	37.2



Instrument :
BNA_E
ClientSampleId :
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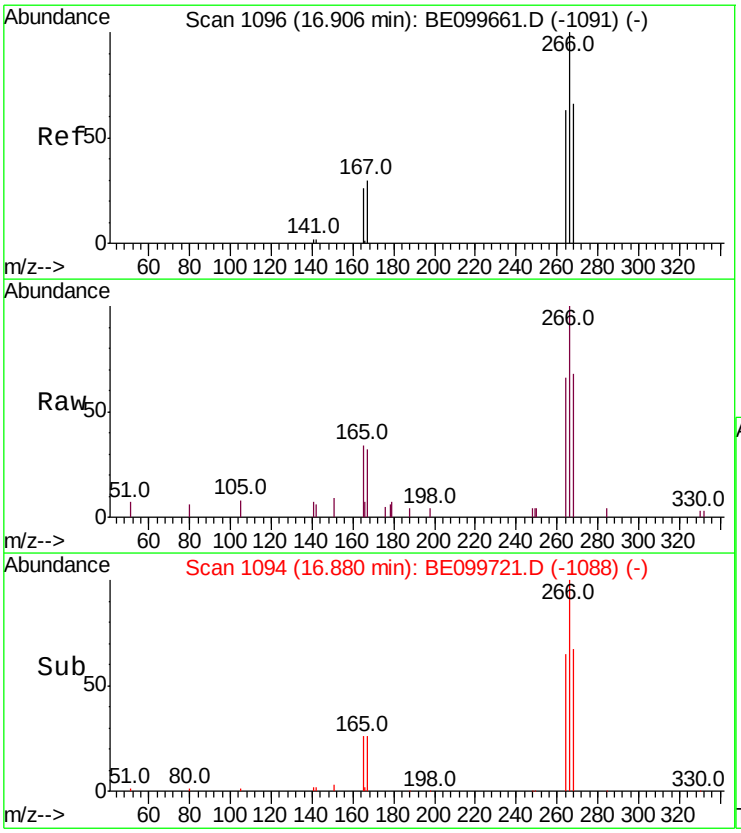
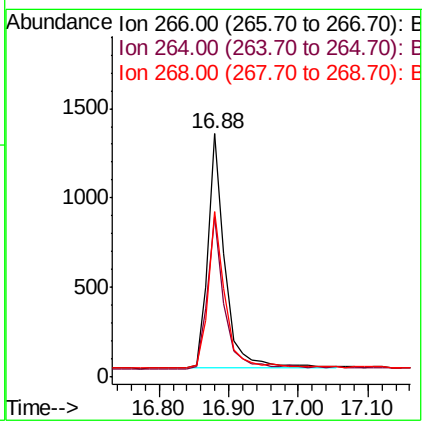
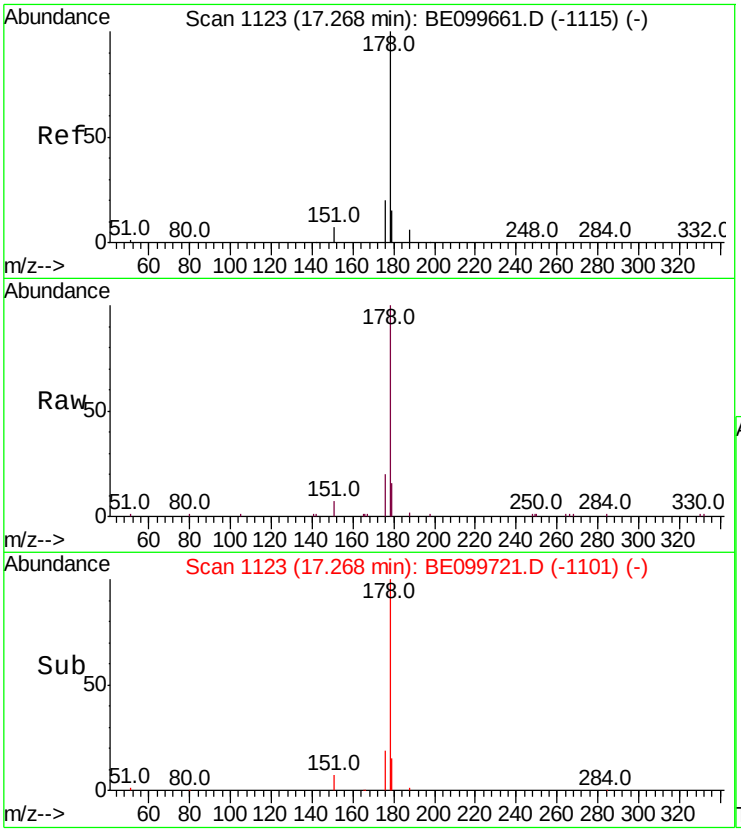


#22
Pentachlorophenol
Concen: 1.259 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.03 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:266 Resp: 2289

Ion	Ratio	Lower	Upper
266	100		
264	66.1	57.2	85.8
268	68.0	60.5	90.7

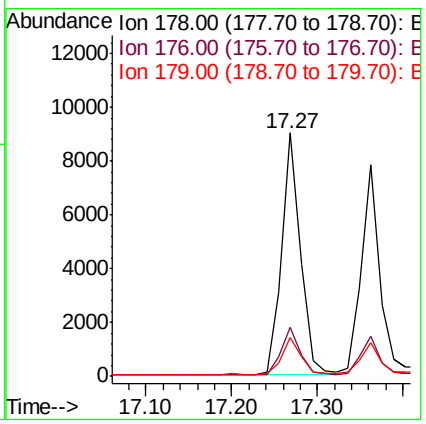




#23
Phenanthrene
Concen: 0.536 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:178 Resp: 13665

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	15.5	12.2	18.4



Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

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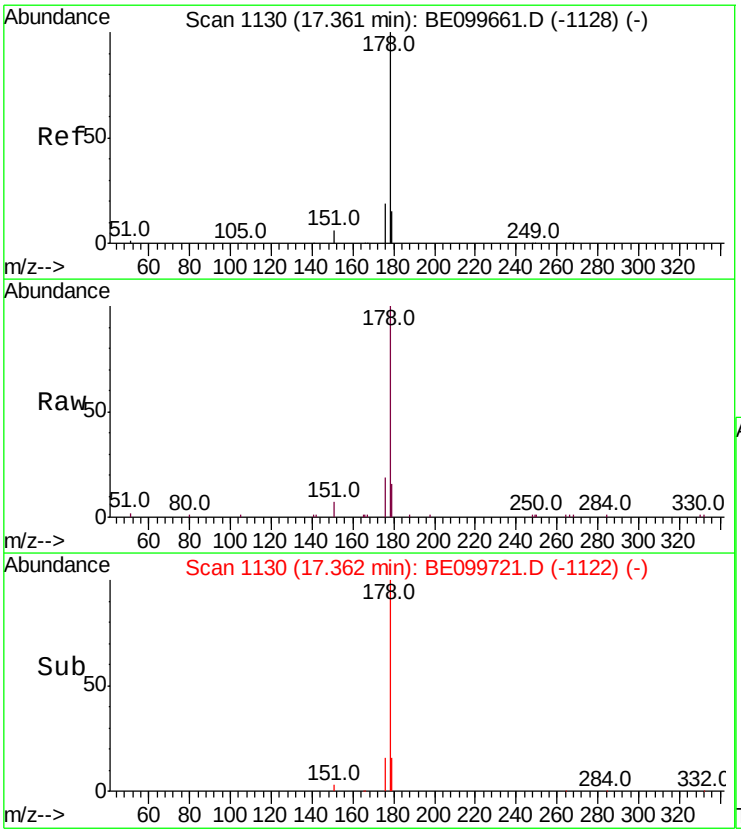
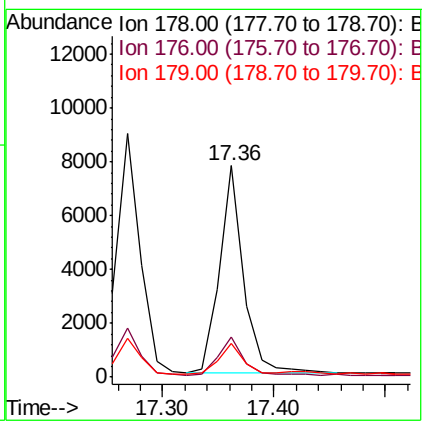
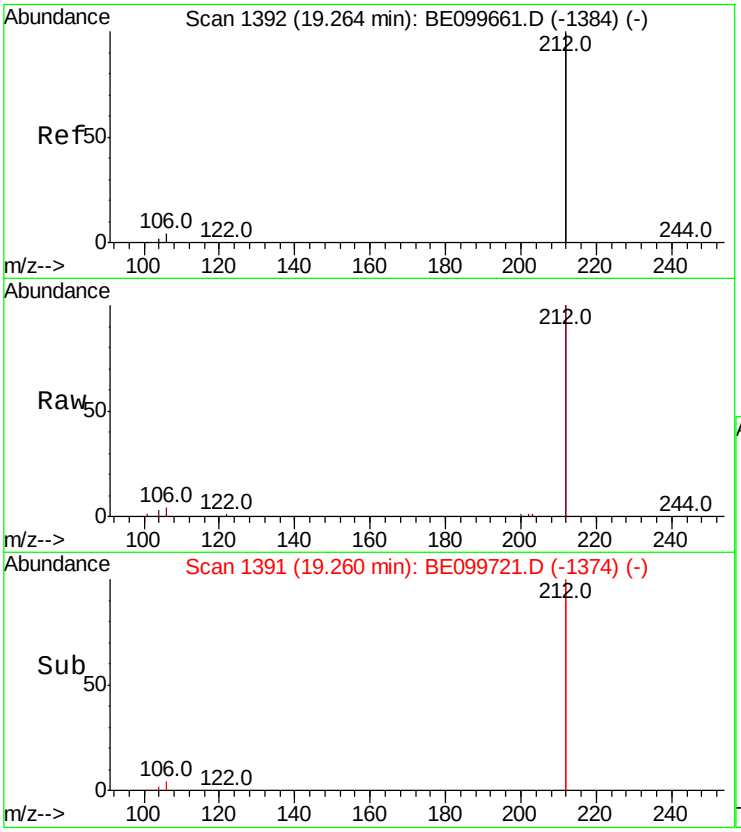


#24
Anthracene
Concen: 0.495 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:178 Resp: 11449

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	14.9	12.0	18.0

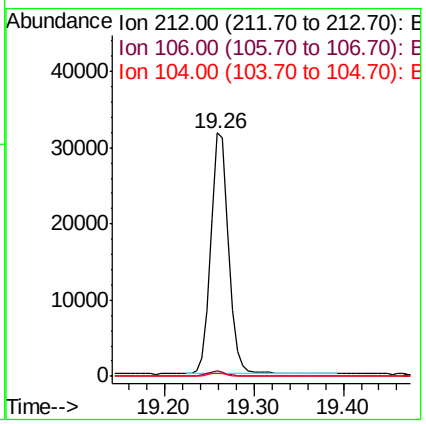




#25
Fluoranthene-d10
Concen: 0.308 ng
RT: 19.26 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:212 Resp: 43942

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.1	0.8	1.2



Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

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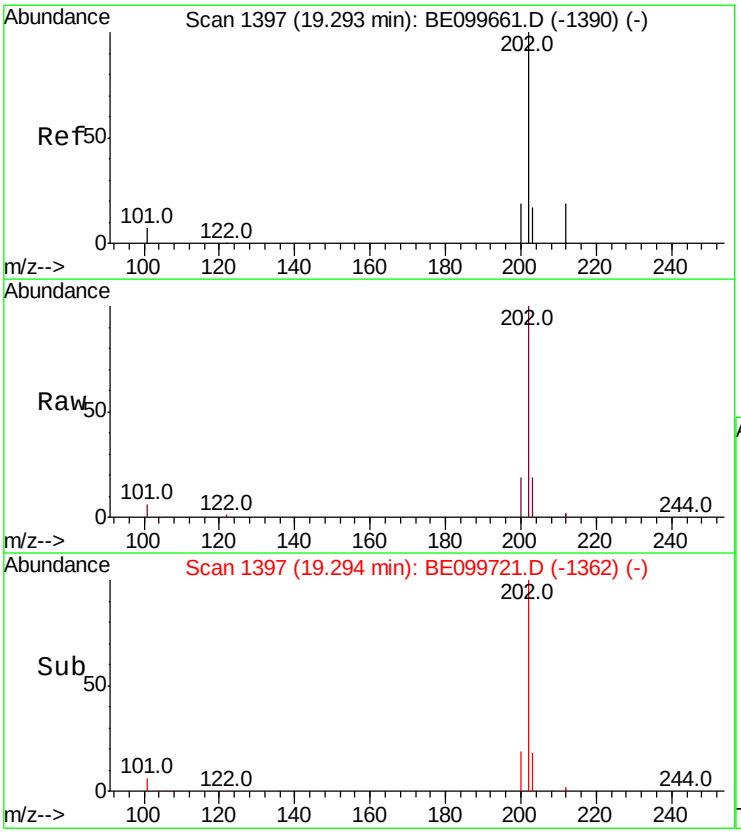
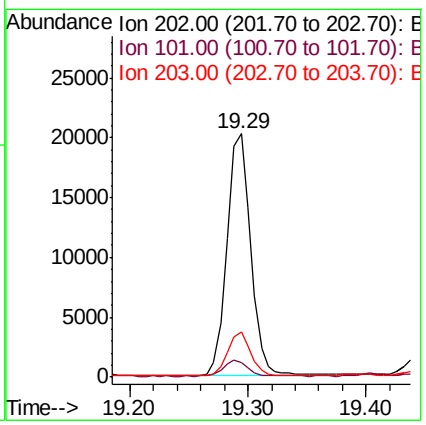
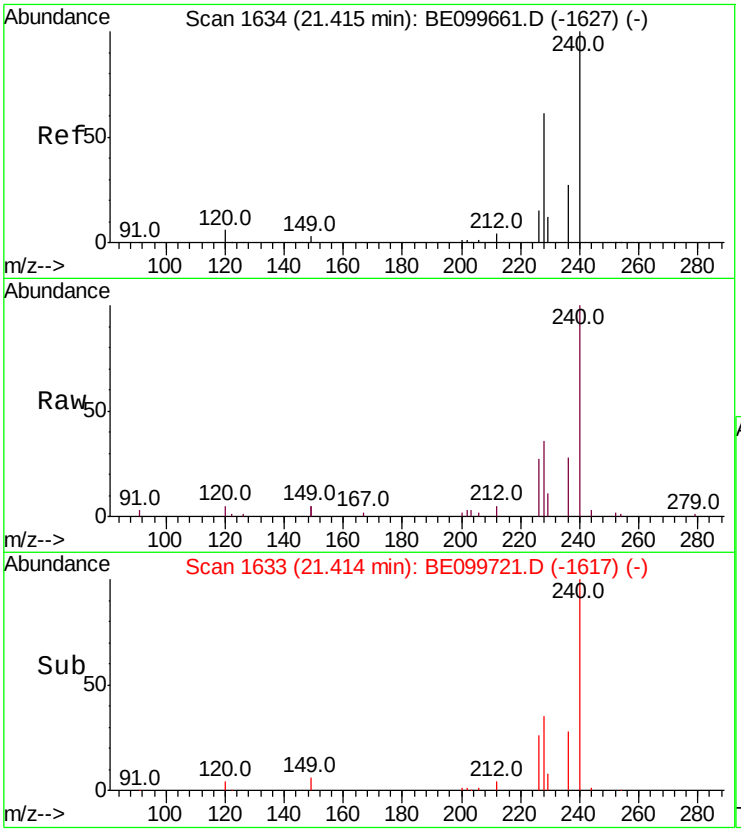


#26
Fluoranthene
Concen: 0.698 ng
RT: 19.29 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:202 Resp: 28140

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.2	7.8
203	17.3	13.8	20.6

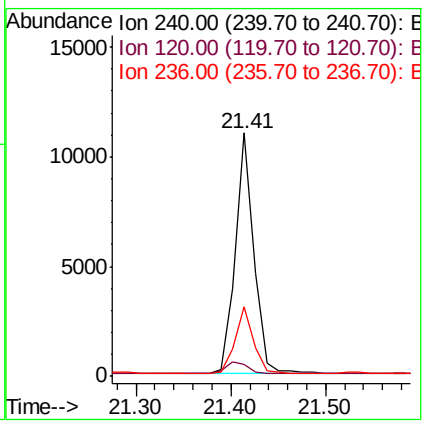




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:240 Resp: 14886

Ion	Ratio	Lower	Upper
240	100		
120	4.9	5.4	8.0#
236	28.4	21.7	32.5



Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

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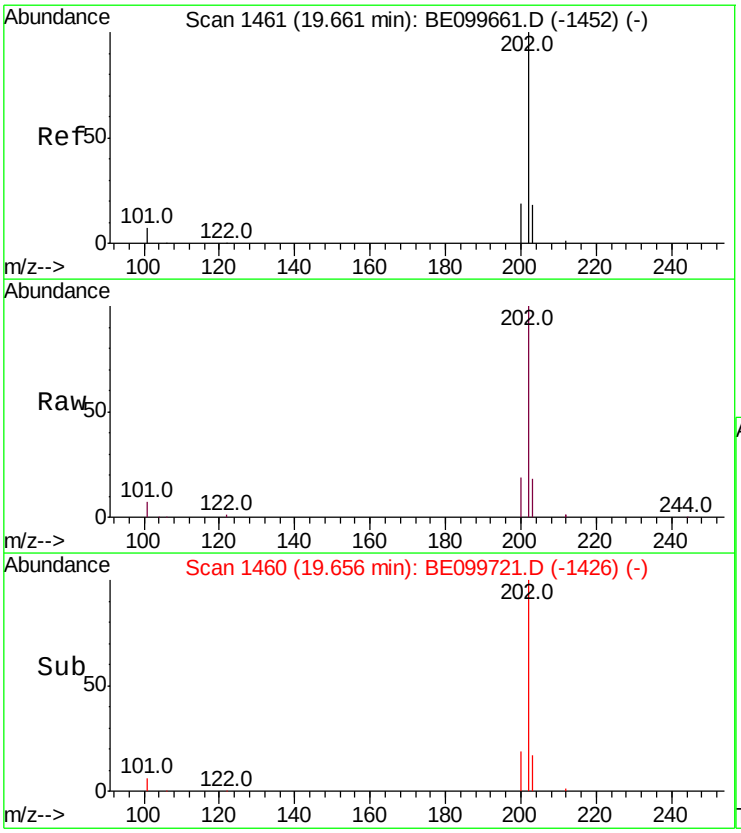
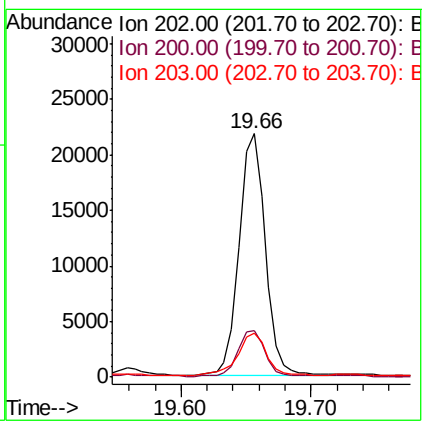
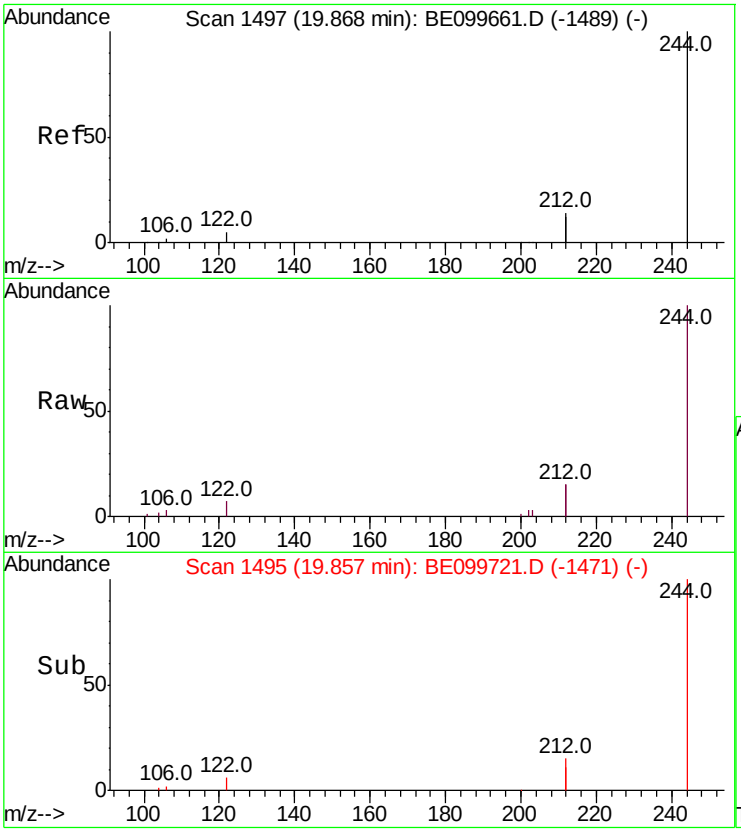


#28
Pyrene
Concen: 0.808 ng
RT: 19.66 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:202 Resp: 30209

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.4	23.2
203	19.7	13.8	20.8

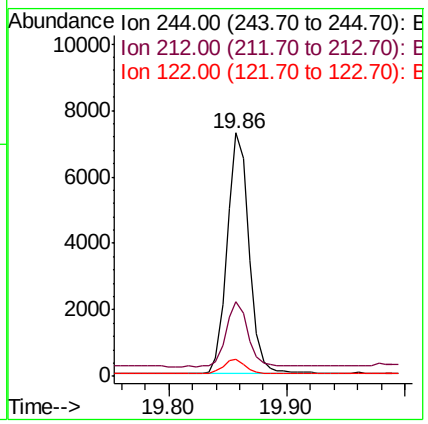




#29
Terphenyl-d14
Concen: 0.350 ng
RT: 19.86 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:244 Resp: 9291

Ion	Ratio	Lower	Upper
244	100		
212	30.6	22.5	33.7
122	6.9	4.3	6.5#



Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

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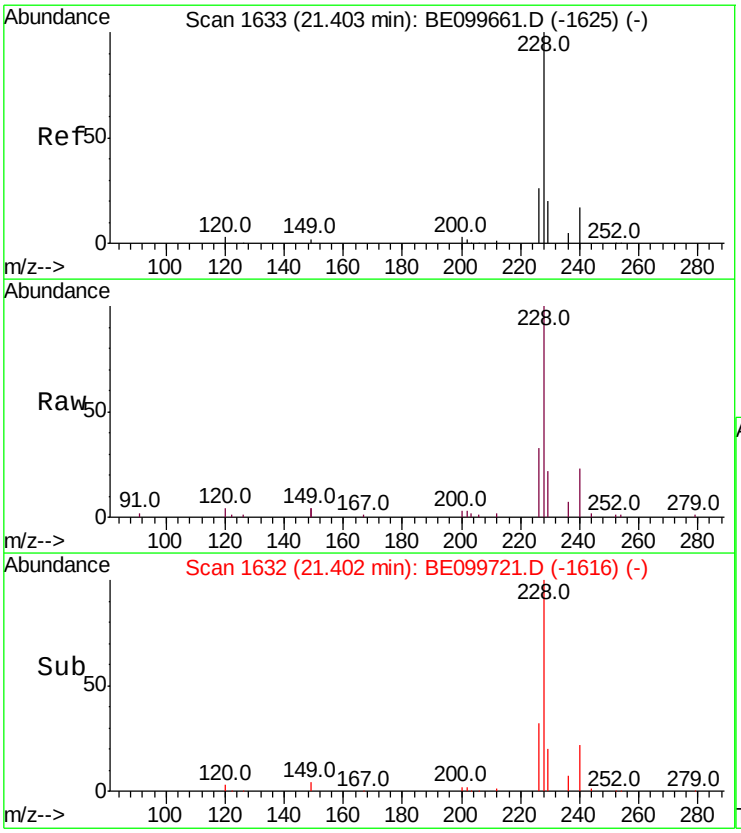
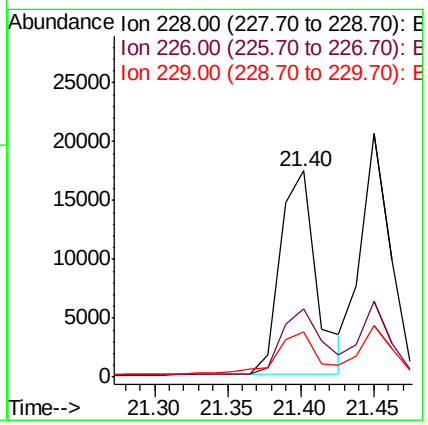
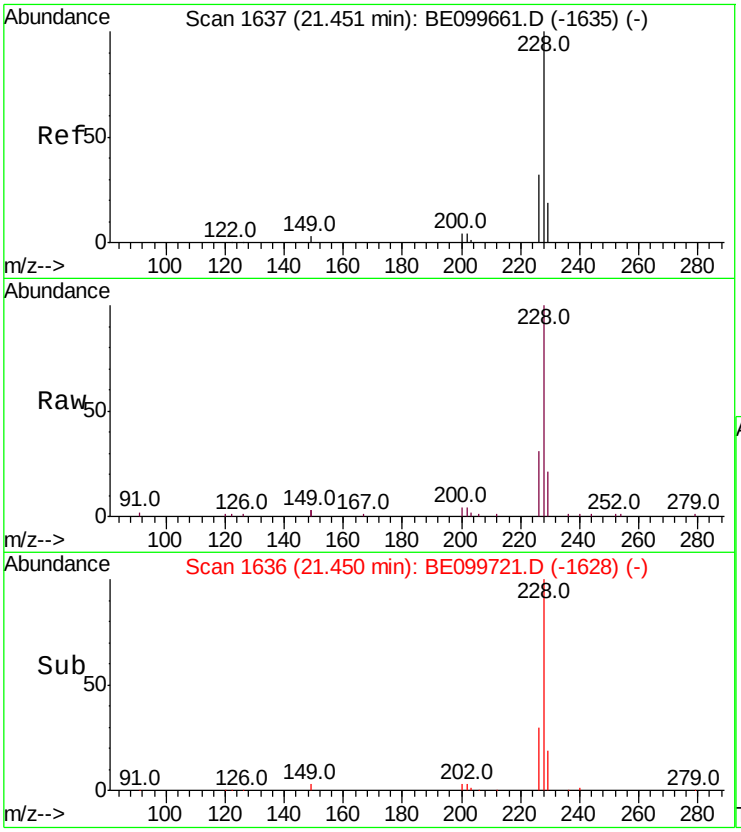


#30
Benzo(a)anthracene
Concen: 0.705 ng m
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:228 Resp: 29829

Ion	Ratio	Lower	Upper
228	100		
226	33.3	21.3	31.9#
229	22.1	16.1	24.1

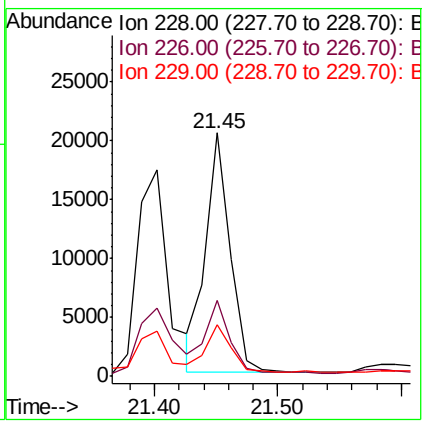




#31
Chrysene
Concen: 0.626 ng
RT: 21.45 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:228 Resp: 28290

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.7	37.1
229	21.4	15.8	23.6



Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

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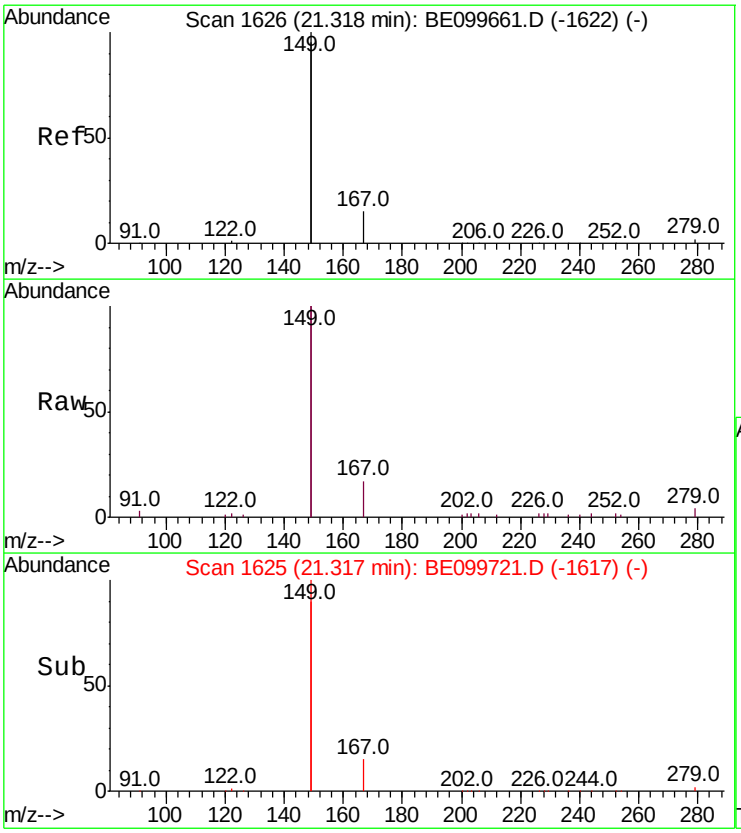
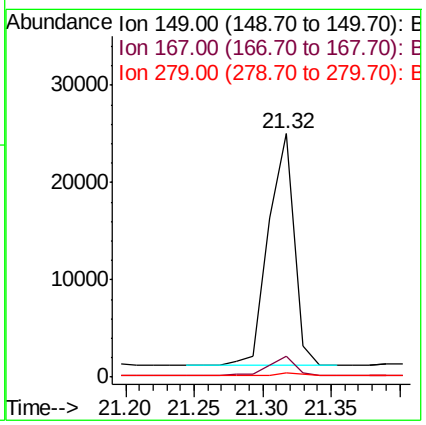
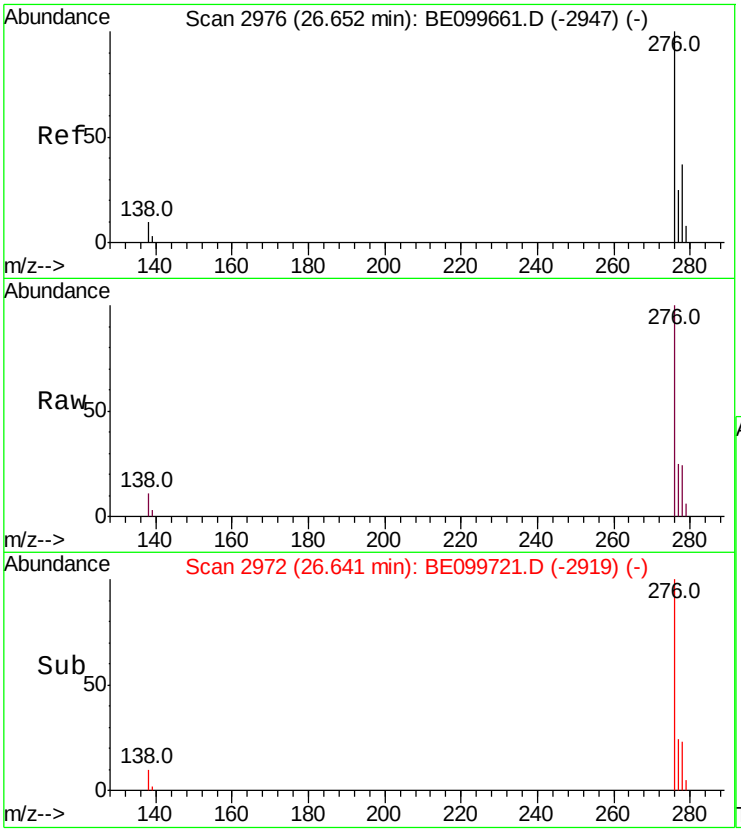


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.637 ng
RT: 21.32 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:149 Resp: 31044

Ion	Ratio	Lower	Upper
149	100		
167	7.9	6.2	9.4
279	1.6	1.2	1.8

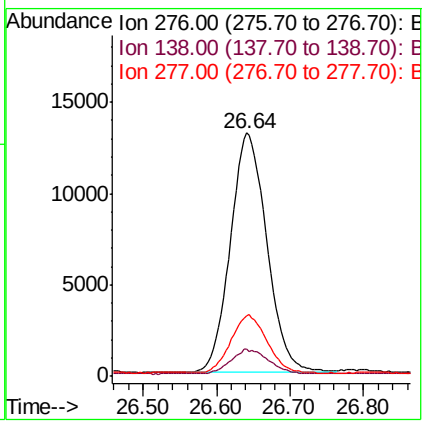




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.828 ng
RT: 26.64 min Scan# 2972
Delta R.T. -0.01 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:276 Resp: 45192

Ion	Ratio	Lower	Upper
276	100		
138	10.7	9.6	14.4
277	24.1	19.2	28.8



Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

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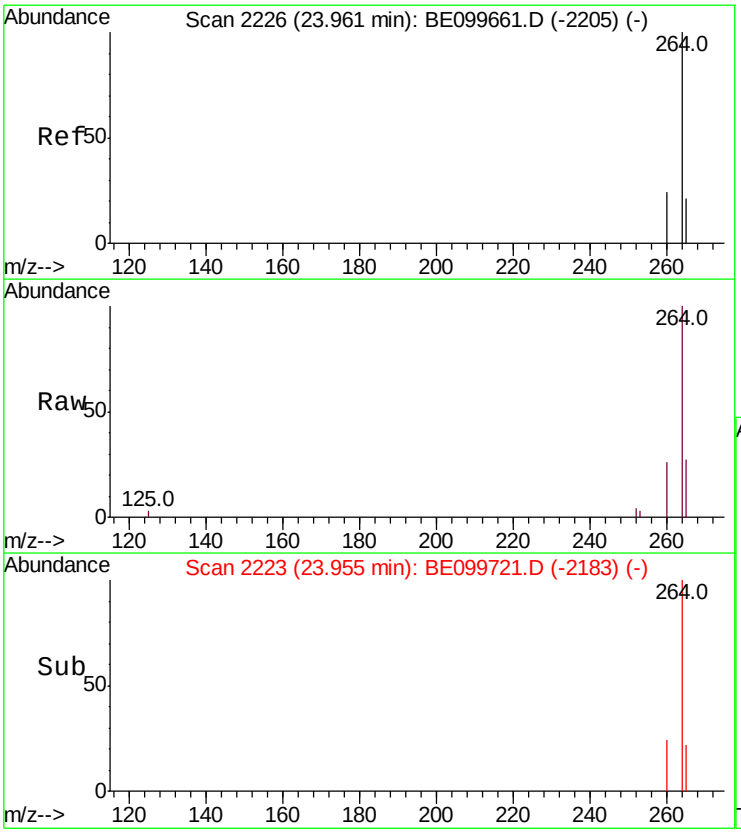
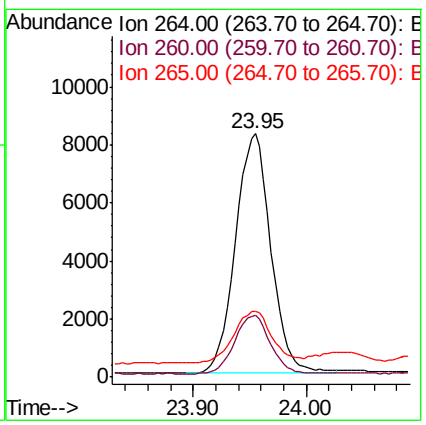
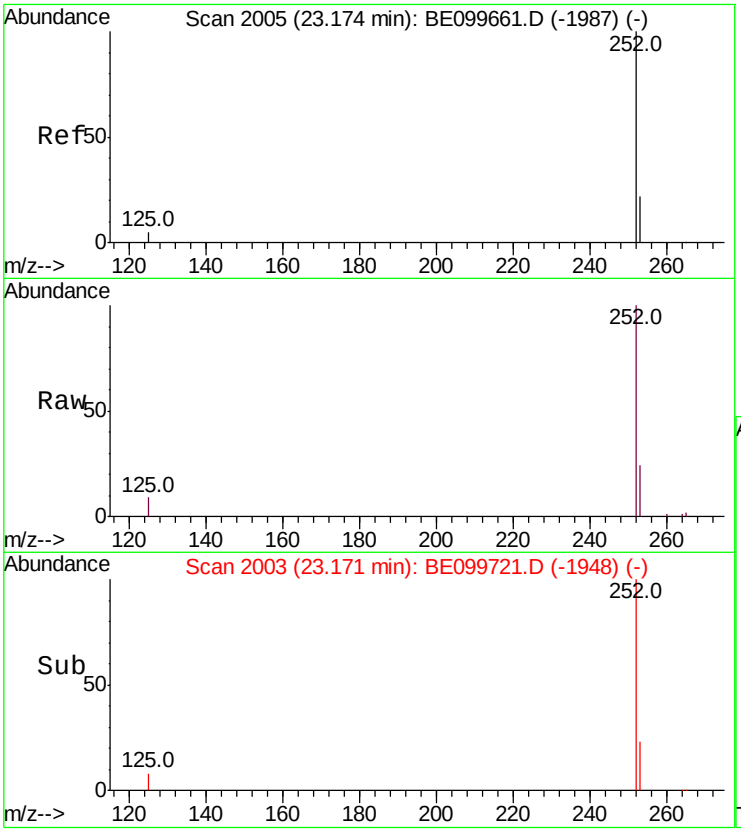


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.95 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:264 Resp: 18003

Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.6	29.4
265	26.7	19.1	28.7





#35
Benzo(b)fluoranthene
Concen: 0.797 ng m
RT: 23.17 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:252 Resp: 39315

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.4
125	9.5	4.5	6.7#

Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

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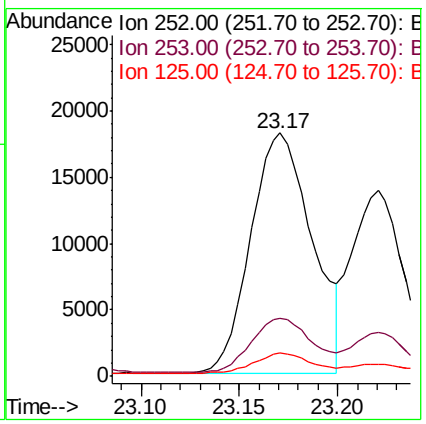
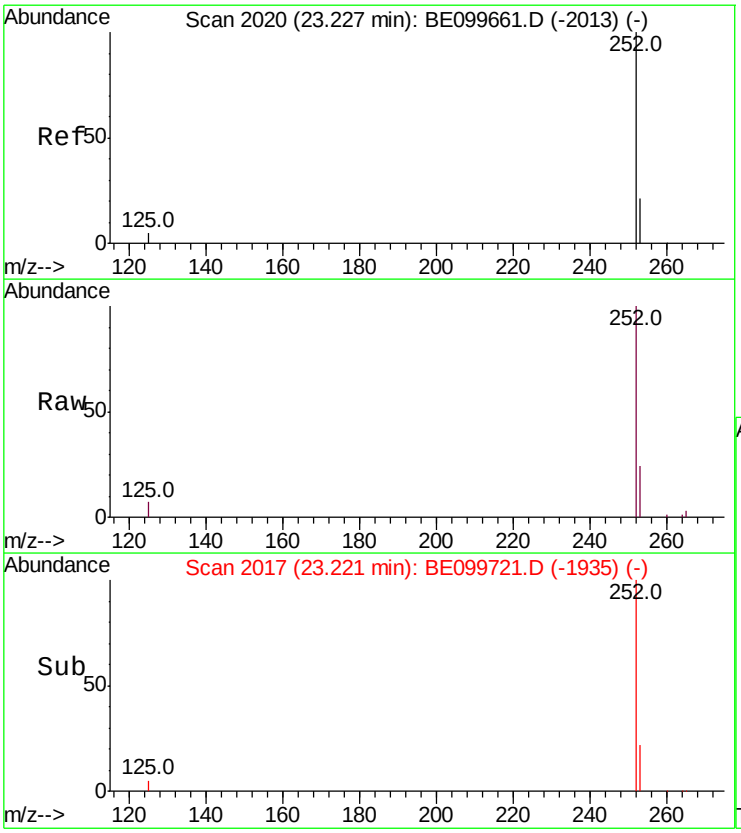
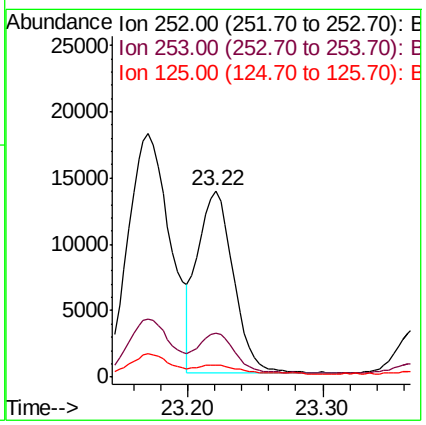


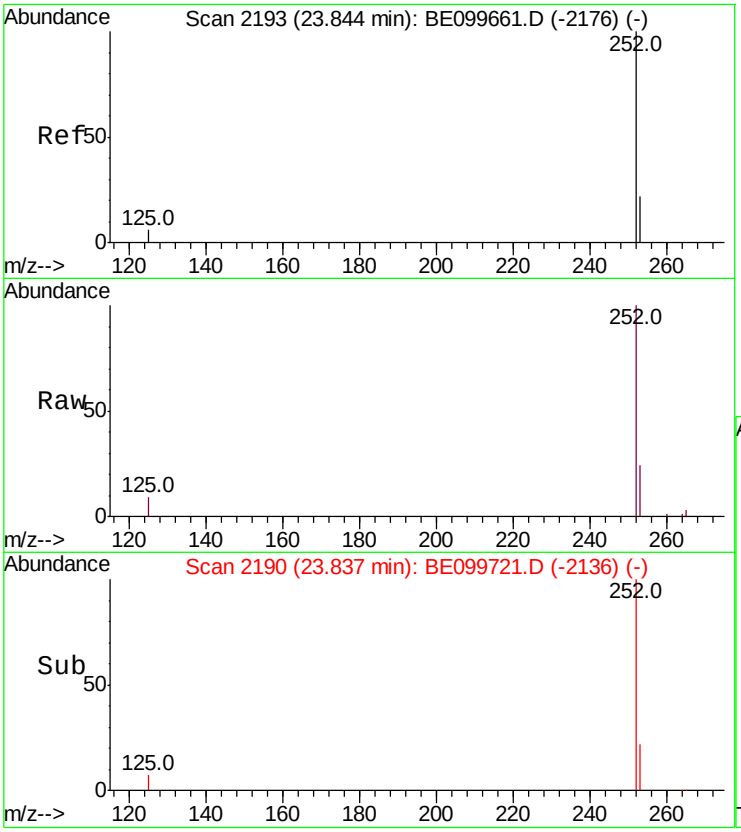


#36
Benzo(k)fluoranthene
Concen: 0.492 ng
RT: 23.22 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:252 Resp: 25283

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	6.7	4.6	6.8

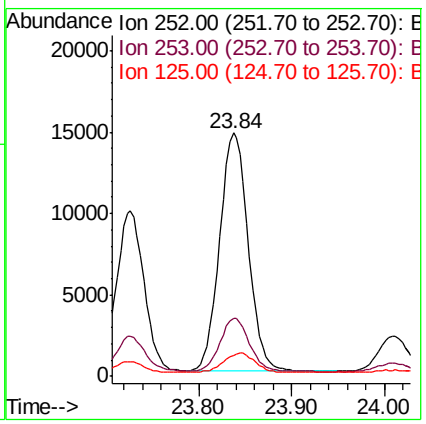




#37
Benzo(a)pyrene
Concen: 0.664 ng
RT: 23.84 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:252 Resp: 31501

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.9	28.3
125	8.6	5.4	8.0#



Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

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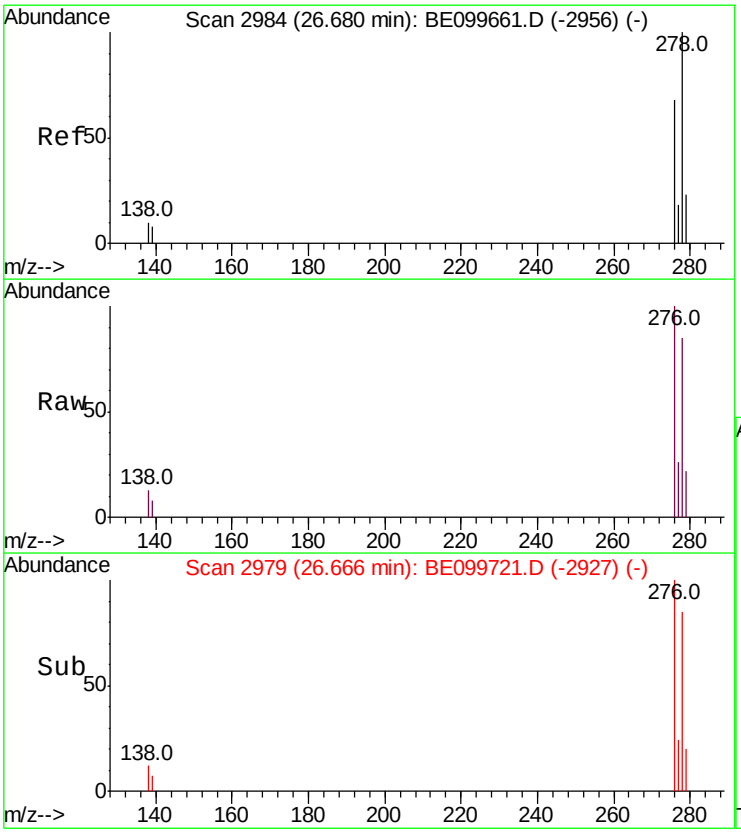
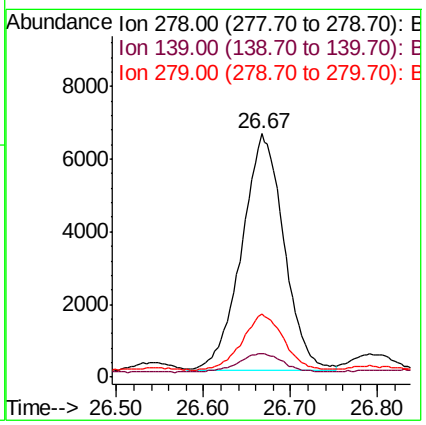
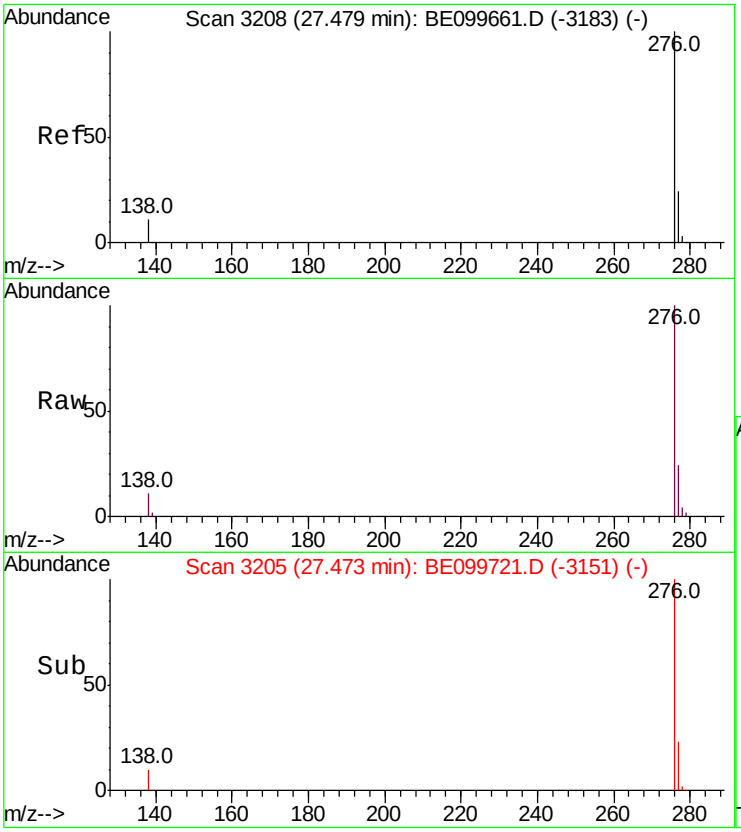


#38
Dibenzo(a,h)anthracene
Concen: 0.437 ng
RT: 26.67 min Scan# 2979
Delta R.T. -0.01 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:278 Resp: 21764

Ion	Ratio	Lower	Upper
278	100		
139	9.7	6.9	10.3
279	25.7	19.2	28.8

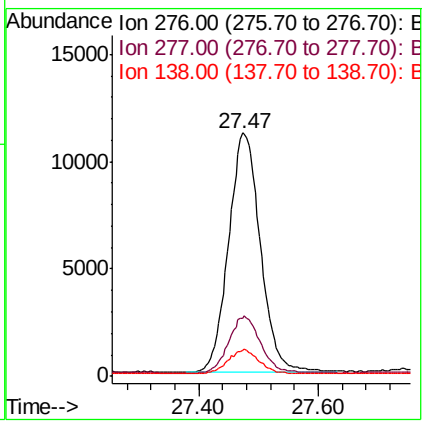




#39
Benzo(g,h,i)perylene
Concen: 0.817 ng
RT: 27.47 min Scan# 3205
Delta R.T. -0.01 min
Lab File: BE099721.D
Acq: 22 May 2019 15:46

Tgt Ion:276 Resp: 41131

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.8	29.6
138	10.8	9.2	13.8



Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MS

Manual Integrations APPROVED
mohammad
5/24/2019 8:48:04 AM