

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052219\
 Data File : BE099724.D
 Acq On : 22 May 2019 17:33
 Operator : JU/SJ
 Sample : K2966-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-15(1.2-1.7)

Manual Integrations
 APPROVED

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 5/24/2019 8:48:40 AM

Quant Time: May 23 08:27:47 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	1455	0.40	ng	-0.01
7) Naphthalene-d8	10.61	136	5052	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	3769	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10707	0.40	ng	0.00
27) Chrysene-d12	21.41	240	15732	0.40	ng	0.00
34) Perylene-d12	23.95	264	19161	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1490	0.41	ng	0.00
5) Phenol-d6	6.98	99	2112	0.43	ng	0.00
8) Nitrobenzene-d5	8.98	82	1752	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	3109	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	910	0.45	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4575	0.32	ng	0.00
25) Fluoranthene-d10	19.27	212	43192	0.30	ng	0.00
29) Terphenyl-d14	19.86	244	8790	0.31	ng	-0.01
Target Compounds						
16) Acenaphthylene	14.21	152	482	0.027	ng	Qvalue # 92
23) Phenanthrene	17.27	178	1565	0.060	ng	98
26) Fluoranthene	19.29	202	5823	0.141	ng	# 98
28) Pyrene	19.66	202	5788	0.146	ng	# 96
30) Benzo(a)anthracene	21.40	228	3693	0.083	ng	# 81
31) Chrysene	21.45	228	4649m	0.097	ng	
32) Bis(2-ethylhexyl)phthalate	21.32	149	10141	0.197	ng	99
33) Indeno(1,2,3-cd)pyrene	26.64	276	3871	0.067	ng	97
35) Benzo(b)fluoranthene	23.17	252	7224	0.138	ng	# 49
36) Benzo(k)fluoranthene	23.22	252	2595m	0.047	ng	
37) Benzo(a)pyrene	23.84	252	4804	0.095	ng	# 56
39) Benzo(a,h,i)perylene	27.47	276	3834	0.072	ng	# 89

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

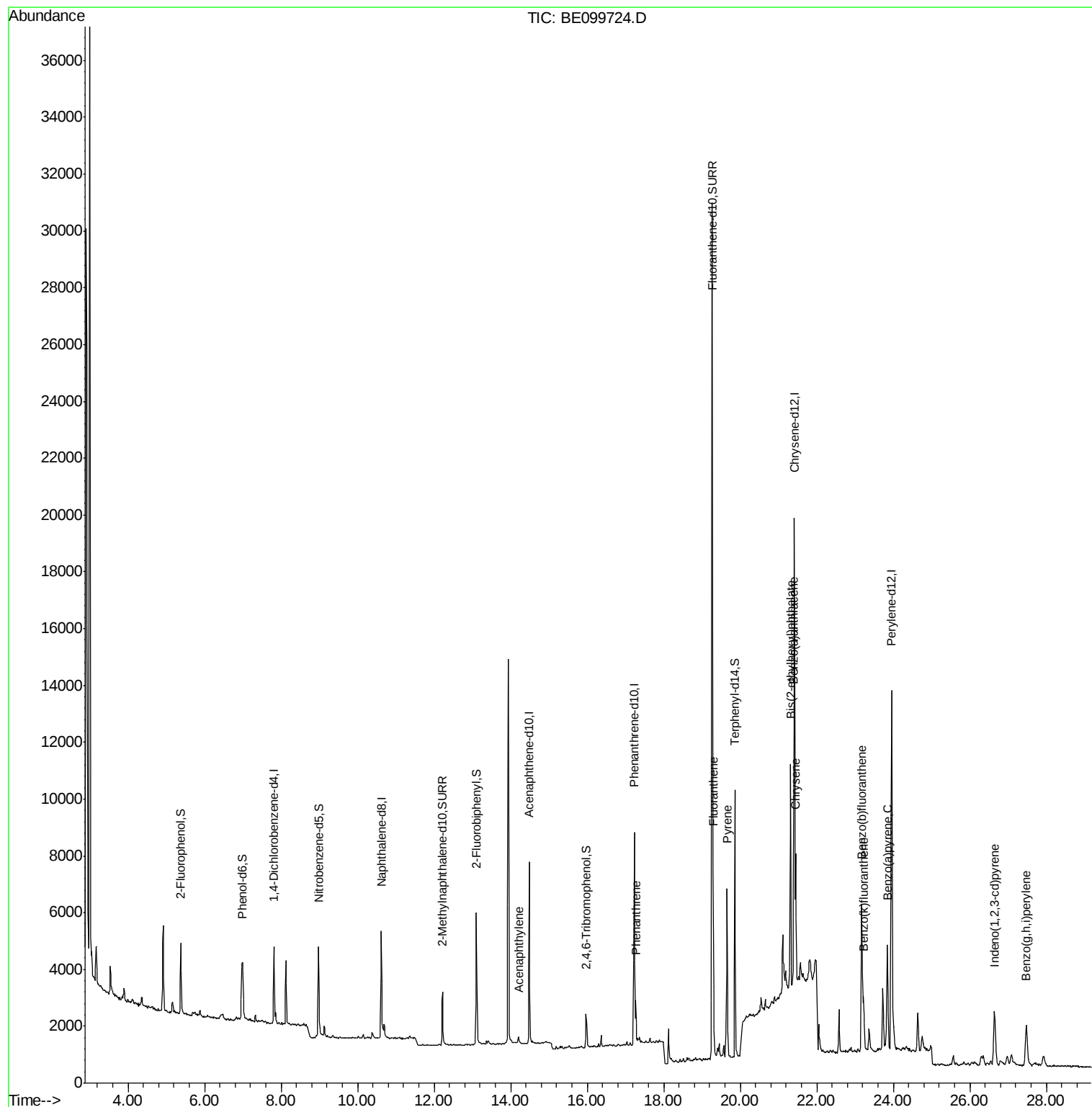
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052219\
Data File : BE099724.D
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Operator : JU/SJ
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099724.D

Acq: 22 May 2019 17:33

Instrument :

BNA_E

ClientSampleId :

FESB-15(1.2-1.7)

Tot Ion:152 Resp: 1455

Ion Ratio Lower Upper

152 100

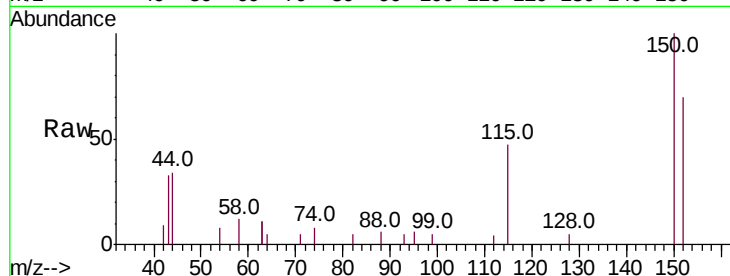
150 143.2 109.2 163.8

115 67.0 43.7 65.5#

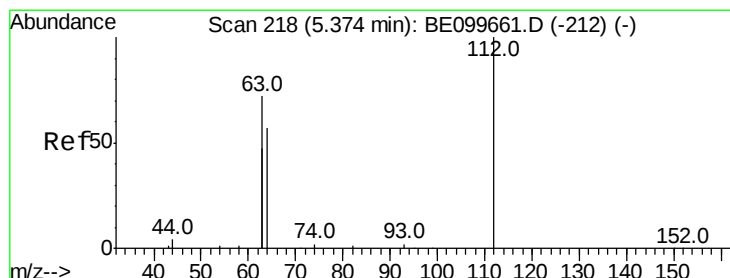
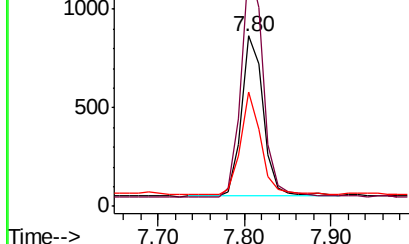
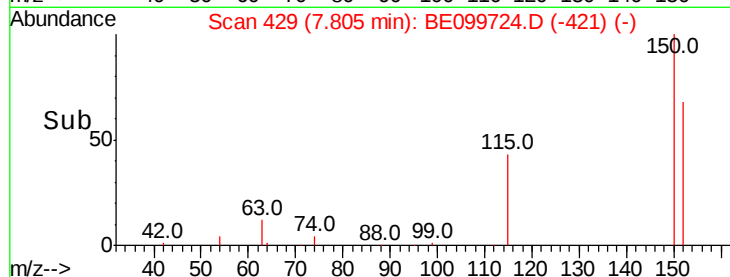
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.405 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099724.D

Acq: 22 May 2019 17:33

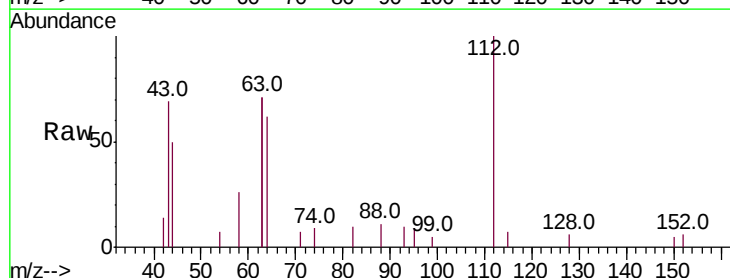
Tgt Ion:112 Resp: 1490

Ion Ratio Lower Upper

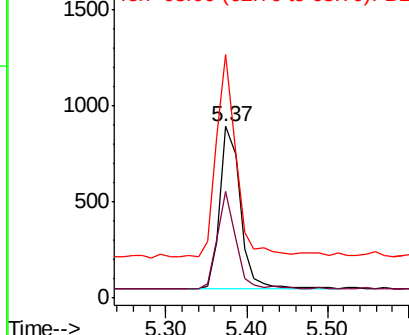
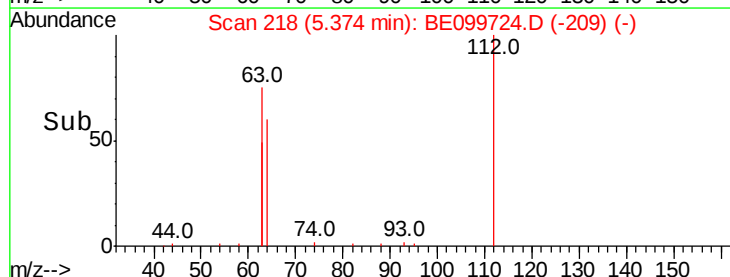
112 100

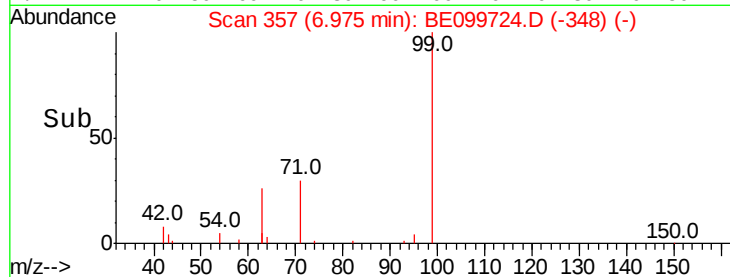
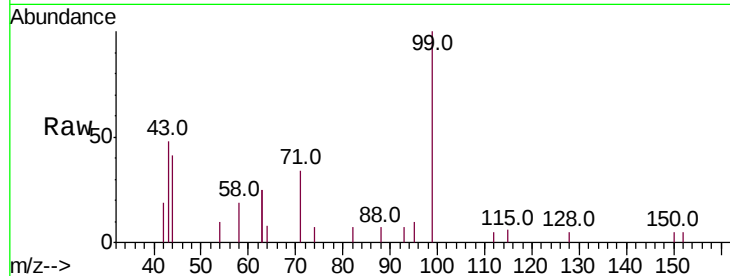
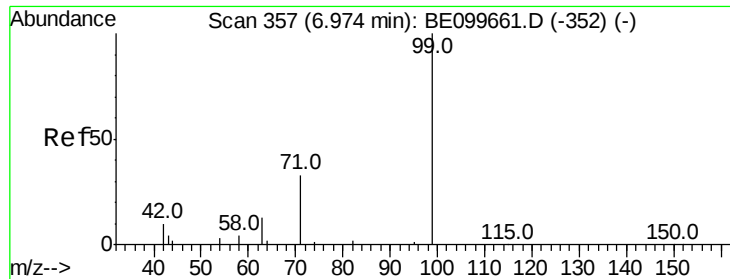
64 55.2 43.4 65.2

63 117.1 96.9 145.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.434 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099724.D

Acq: 22 May 2019 17:33

Instrument :

BNA_E

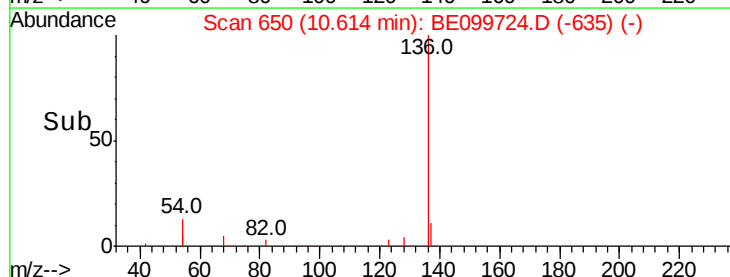
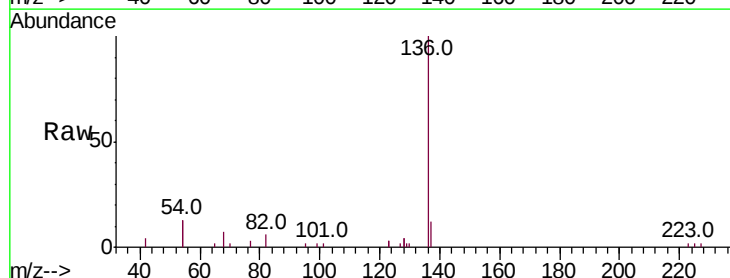
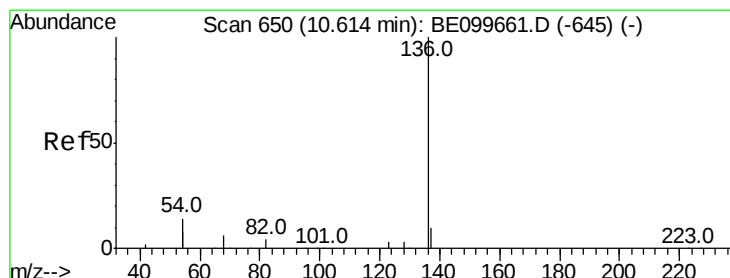
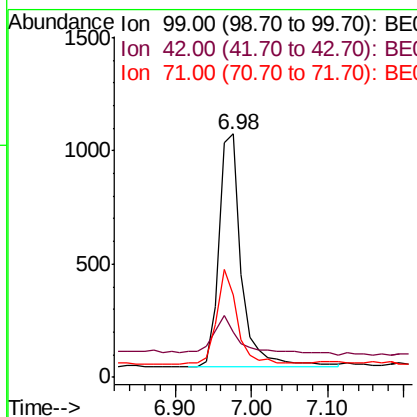
ClientSampleId :

FESB-15(1.2-1.7)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		2112		
42	21.8	12.2	18.2#		
71	36.8	28.9	43.3		

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#7

Naphthalene-d8

Concen: 0.400 ng

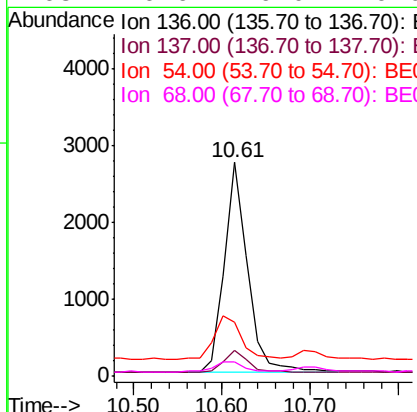
RT: 10.61 min Scan# 650

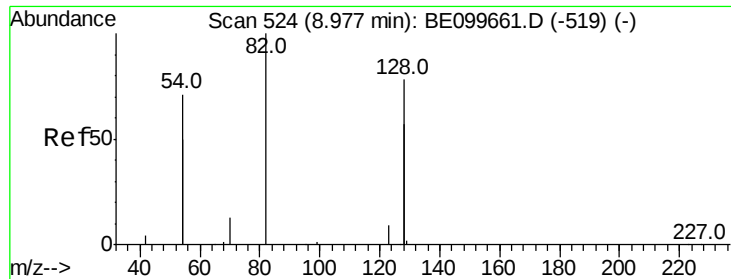
Delta R.T. 0.00 min

Lab File: BE099724.D

Acq: 22 May 2019 17:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		5052		
137	12.1	9.0	13.6		
54	25.1	22.3	33.5		
68	6.6	6.0	9.0		





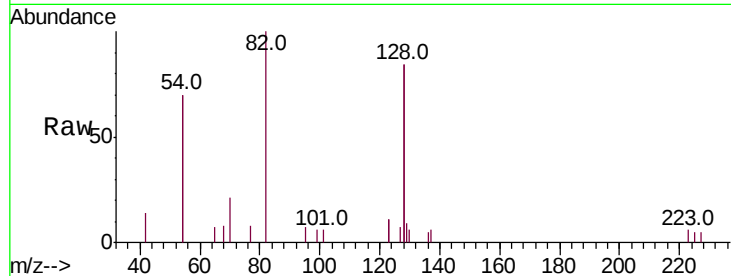
#8
 Nitrobenzene-d5
 Concen: 0.401 ng
 RT: 8.98 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: BE099724.D
 Acq: 22 May 2019 17:33

Instrument :
 BNA_E
 ClientSampleId :
 FESB-15(1.2-1.7)

Tot Ion	Ratio	Lower	Upper
82	100		
128	168.6	117.7	176.5
54	140.1	106.6	160.0

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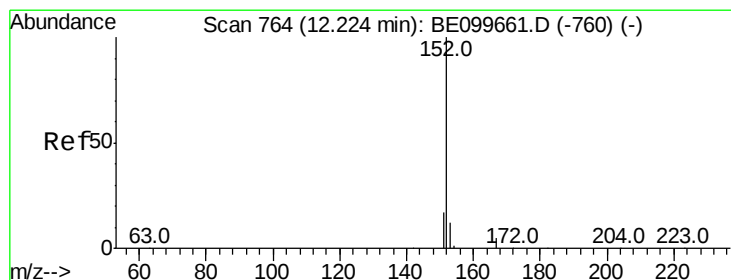
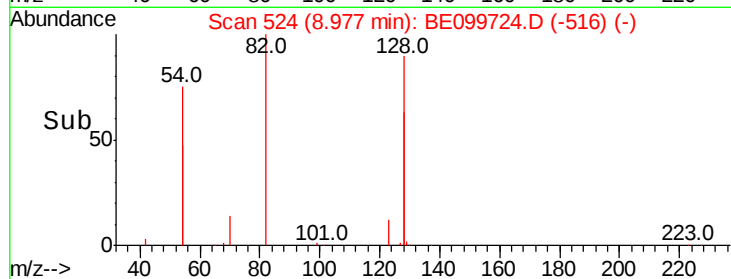
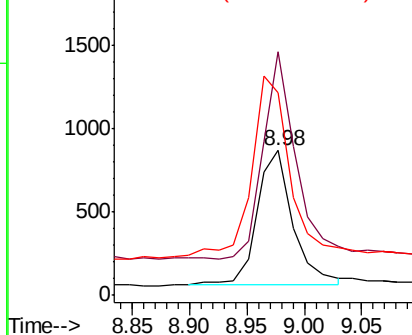


Abundance

Ion 82.00 (81.70 to 82.70): BE0

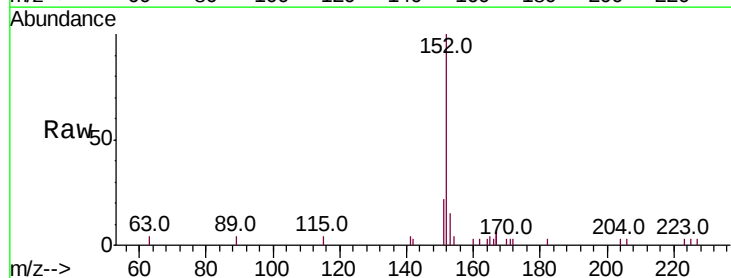
Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11
 2-Methylnaphthalene-d10
 Concen: 0.357 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE099724.D
 Acq: 22 May 2019 17:33

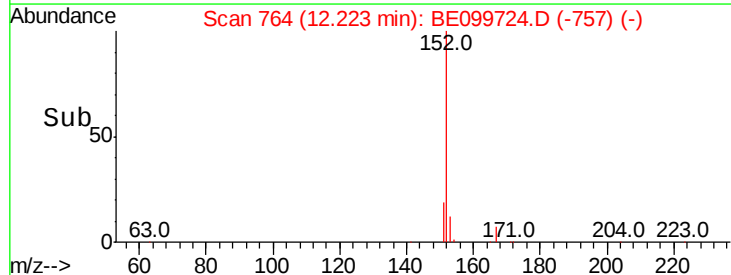
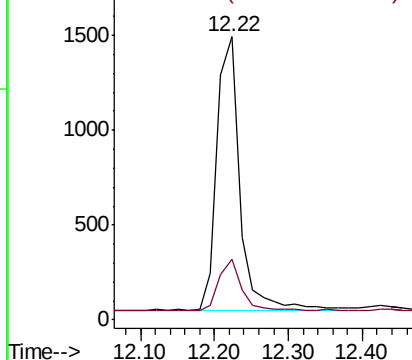
Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.0	22.4

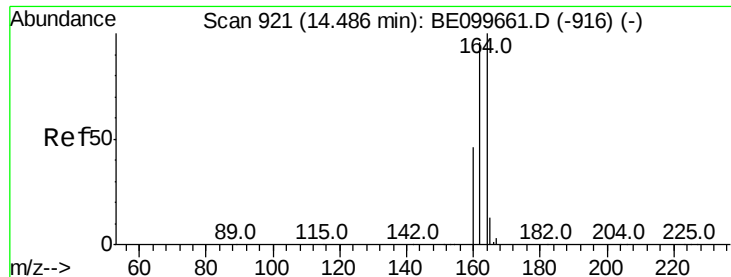


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.48 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099724.D

Acq: 22 May 2019 17:33

Instrument :

BNA_E

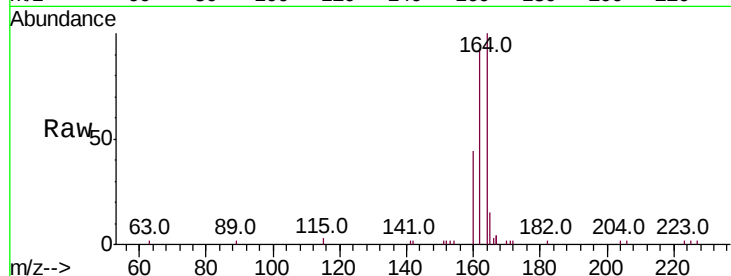
ClientSampleId :

FESB-15(1.2-1.7)

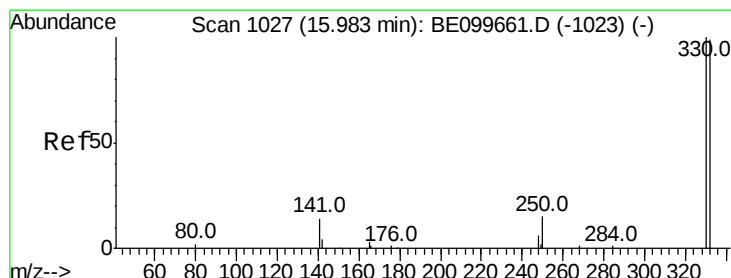
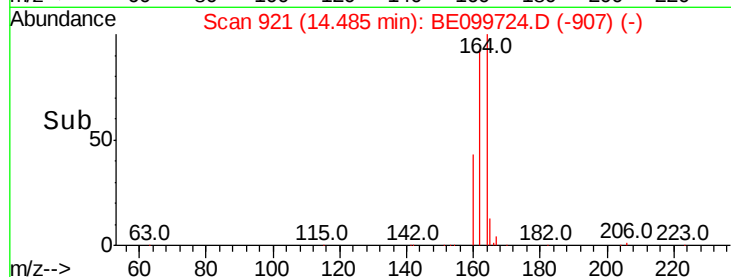
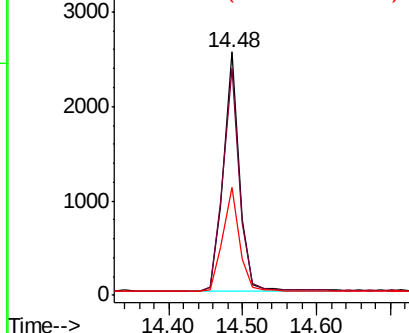
Tot Ion:	164	Resp:	3769
Ion	Ratio	Lower	Upper
164	100		
162	93.4	76.5	114.7
160	44.3	37.4	56.2

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.446 ng

RT: 15.97 min Scan# 1026

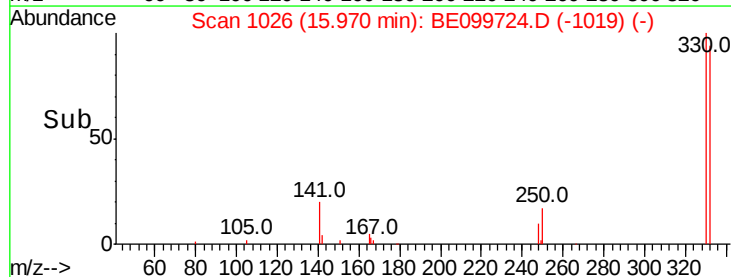
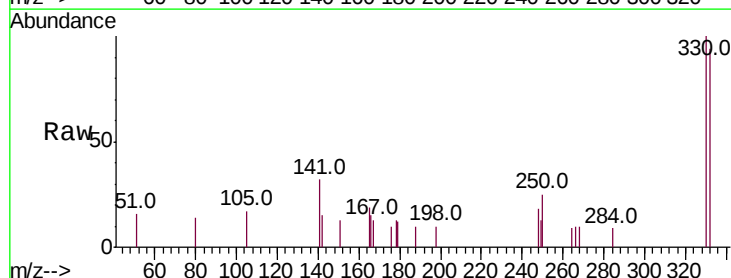
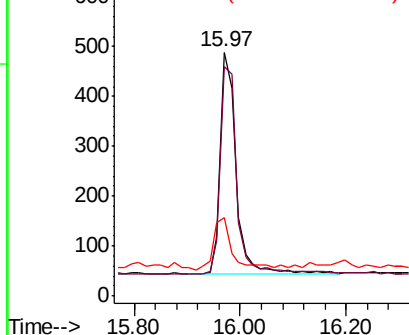
Delta R.T. -0.01 min

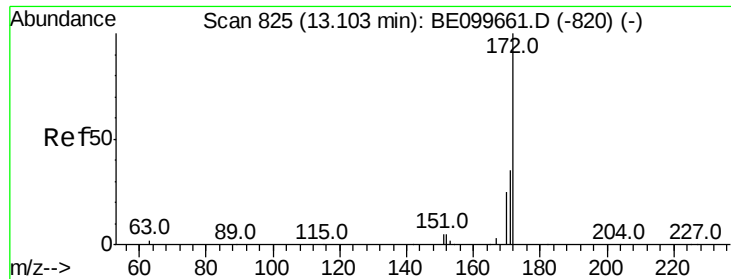
Lab File: BE099724.D

Acq: 22 May 2019 17:33

Tgt Ion:	330	Resp:	910
Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.3	115.9
141	28.5	18.9	28.3#

Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





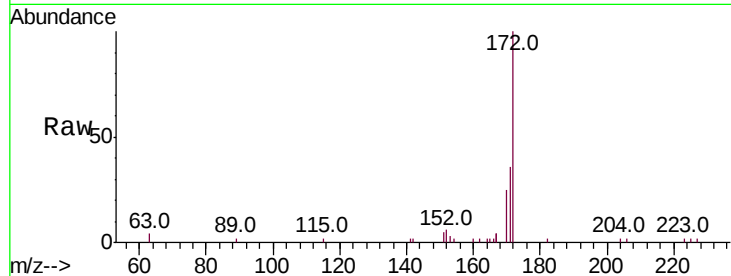
#15
2-Fluorobiphenyl
Concen: 0.320 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099724.D
Acq: 22 May 2019 17:33

Instrument :
BNA_E
ClientSampleId :
FESB-15(1.2-1.7)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	25.3	20.9	31.3

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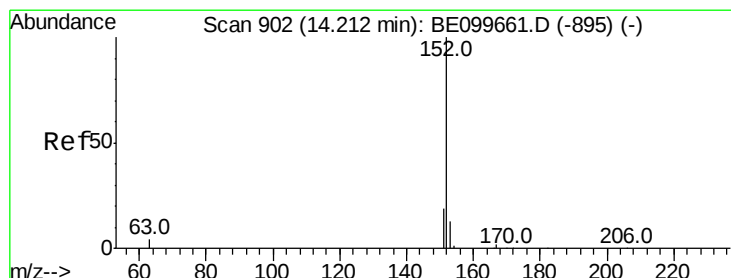
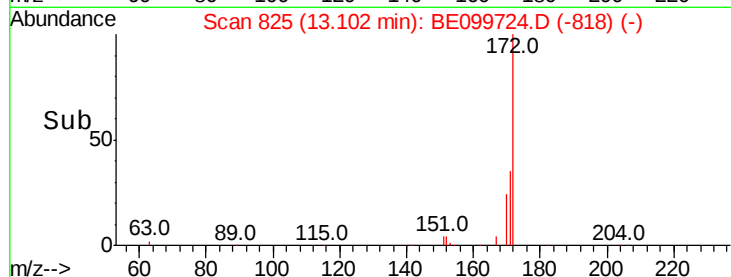
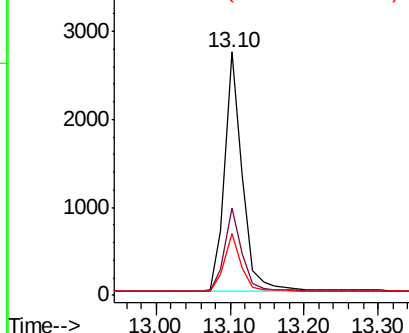


Abundance

Ion 172.00 (171.70 to 172.70): E

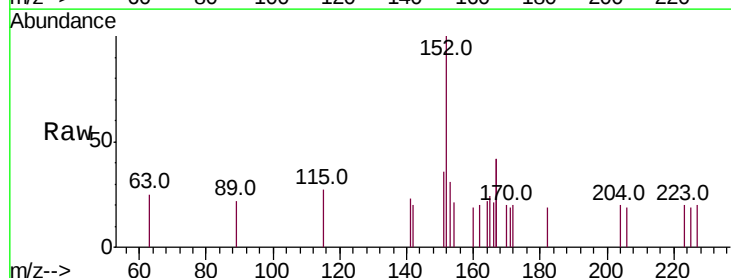
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.027 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099724.D
Acq: 22 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	25.7	15.9	23.9#
153	13.3	10.6	16.0

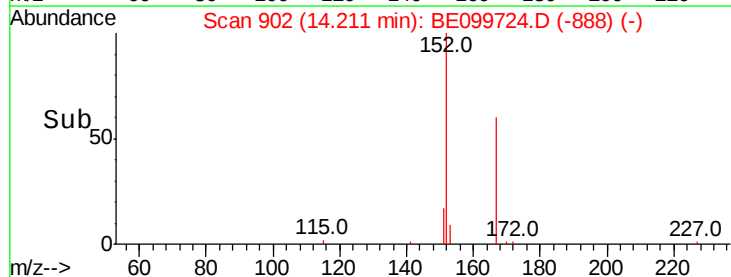
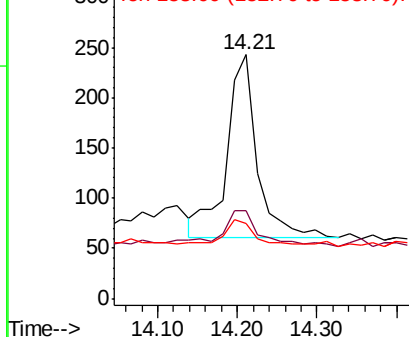


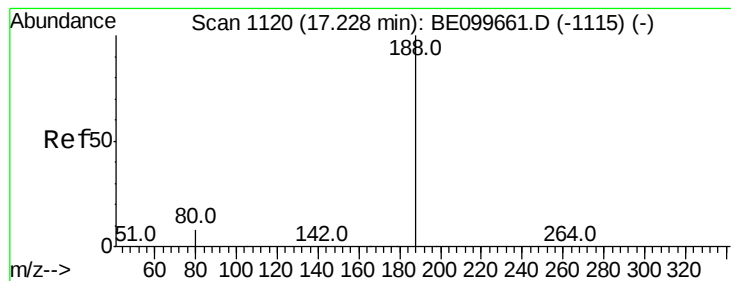
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099724.D

Acq: 22 May 2019 17:33

Instrument :

BNA_E

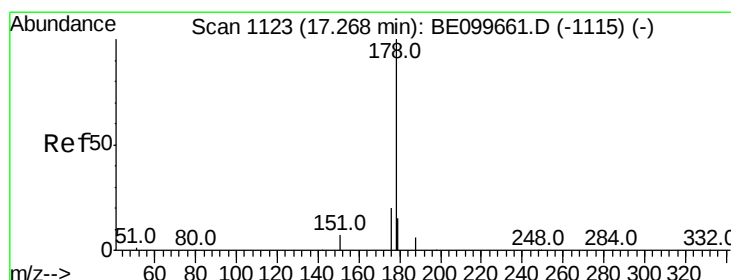
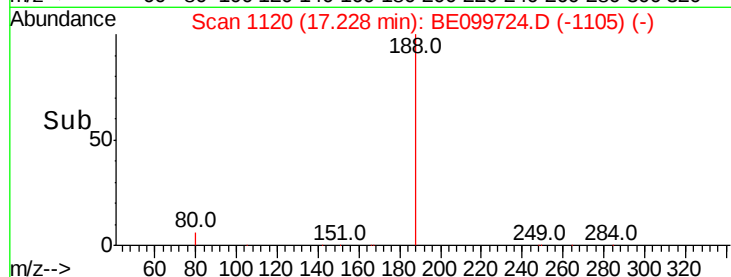
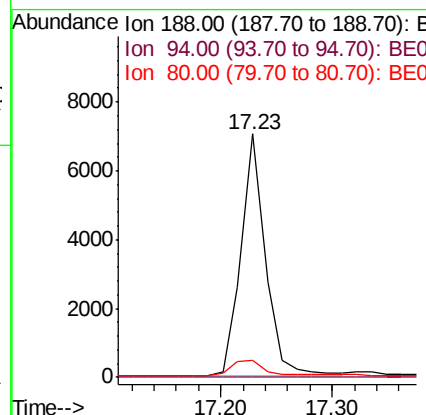
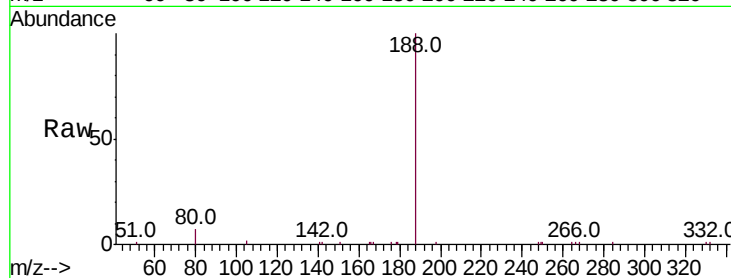
ClientSampleId :

FESB-15(1.2-1.7)

Tot Ion:	188	Resp:	10707
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.8	6.7	10.1

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#23

Phenanthrene

Concen: 0.060 ng

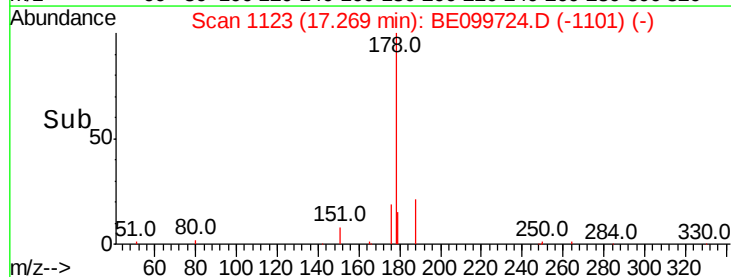
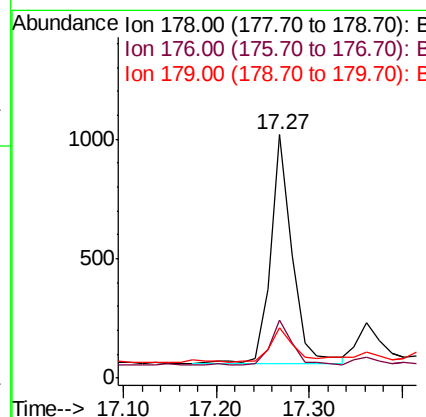
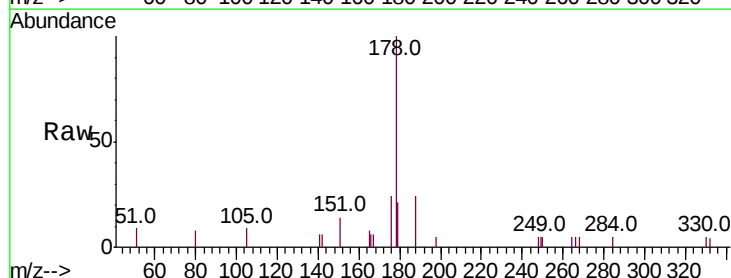
RT: 17.27 min Scan# 1123

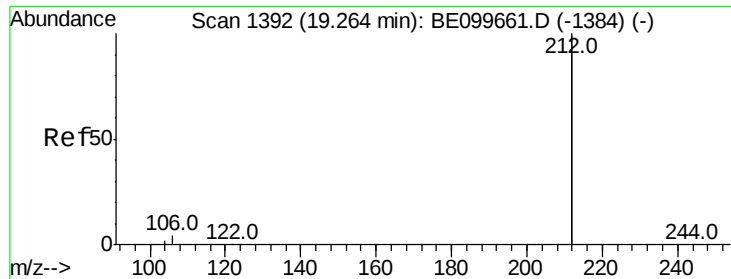
Delta R.T. 0.00 min

Lab File: BE099724.D

Acq: 22 May 2019 17:33

Tgt Ion:	178	Resp:	1565
Ion Ratio	Lower	Upper	
178	100		
176	20.7	15.6	23.4
179	15.7	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.295 ng

RT: 19.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099724.D

Acq: 22 May 2019 17:33

Instrument :

BNA_E

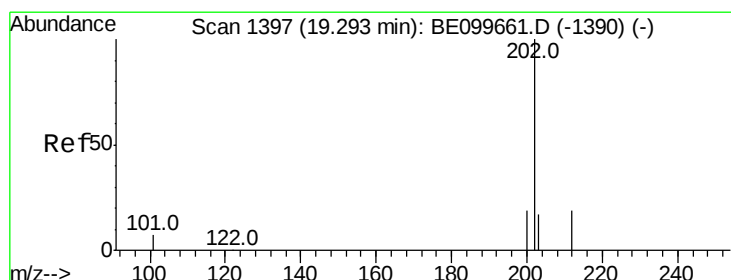
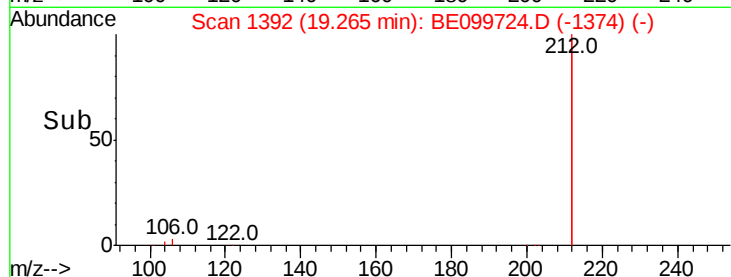
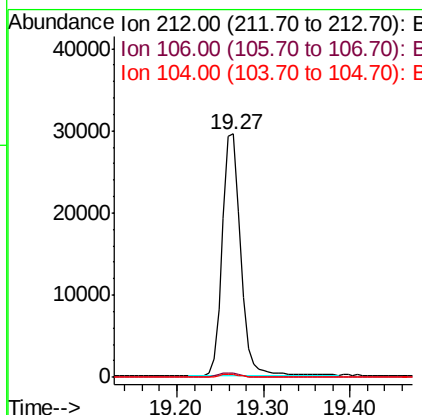
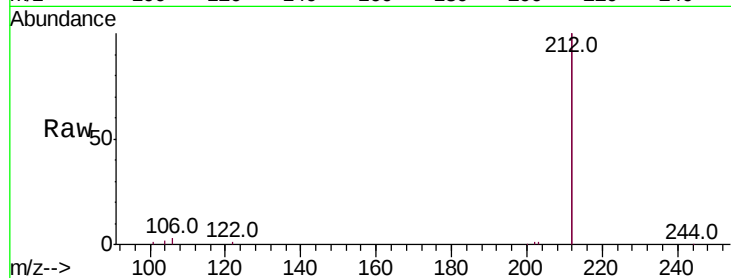
ClientSampleId :

FESB-15(1.2-1.7)

Tot Ion:	212	Resp:	43192
Ion Ratio	Lower	Upper	
212	100		
106	1.7	1.4	2.2
104	1.1	0.8	1.2

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#26

Fluoranthene

Concen: 0.141 ng

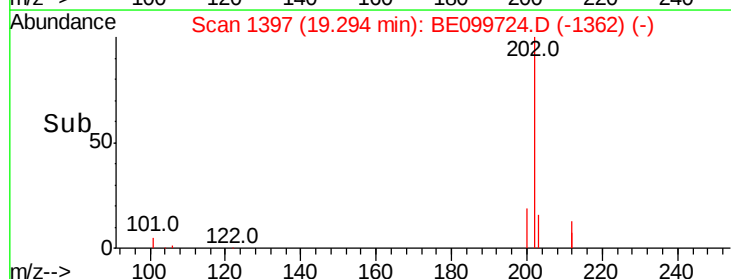
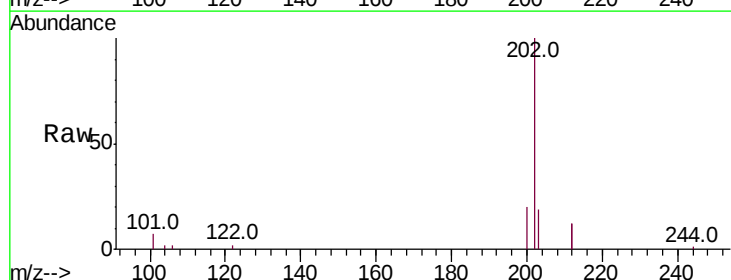
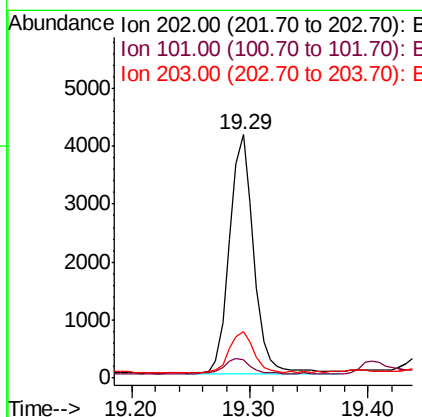
RT: 19.29 min Scan# 1397

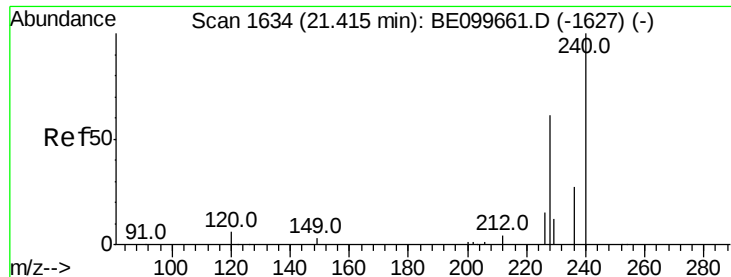
Delta R.T. 0.00 min

Lab File: BE099724.D

Acq: 22 May 2019 17:33

Tgt Ion:	202	Resp:	5823
Ion Ratio	Lower	Upper	
202	100		
101	8.1	5.2	7.8#
203	17.5	13.8	20.6





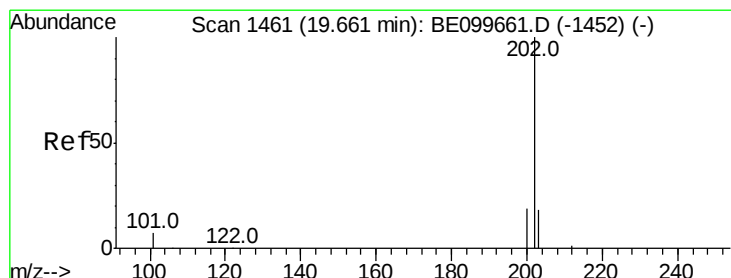
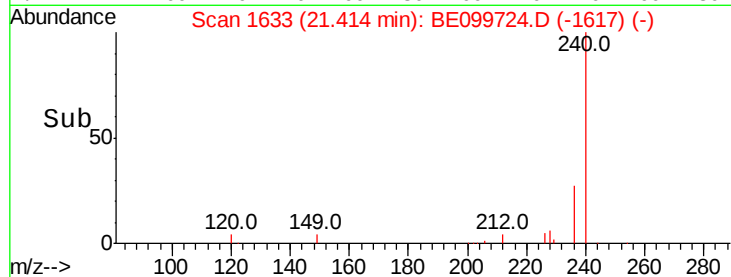
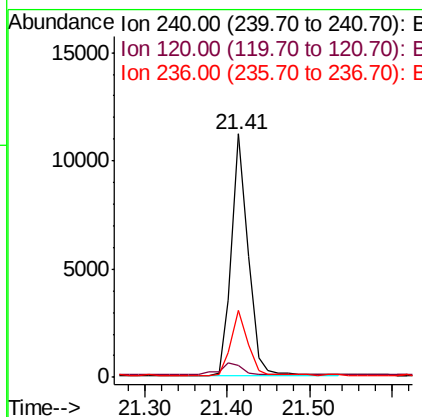
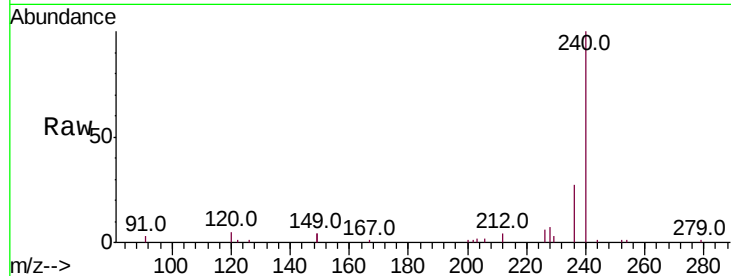
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099724.D
Acq: 22 May 2019 17:33

Instrument :
BNA_E
ClientSampleId :
FESB-15(1.2-1.7)

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.9	5.4	8.0#
236	27.3	21.7	32.5

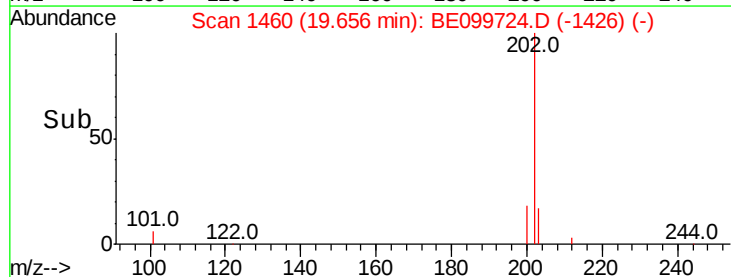
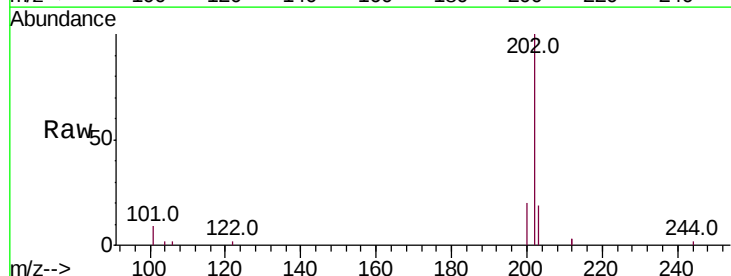
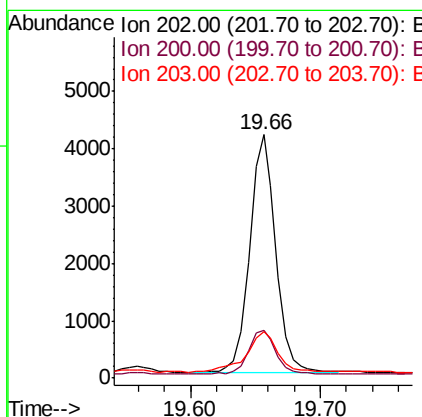
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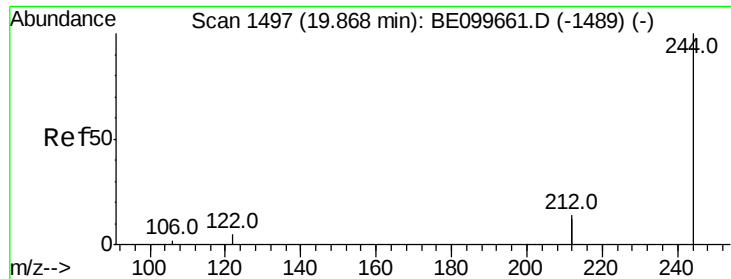
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#28
Pyrene
Concen: 0.146 ng
RT: 19.66 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BE099724.D
Acq: 22 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.4	23.2
203	20.8	13.8	20.8#





#29

Terphenyl-d14

Concen: 0.313 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099724.D

Acq: 22 May 2019 17:33

Instrument :

BNA_E

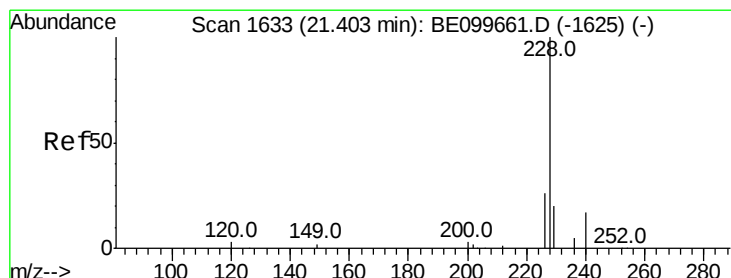
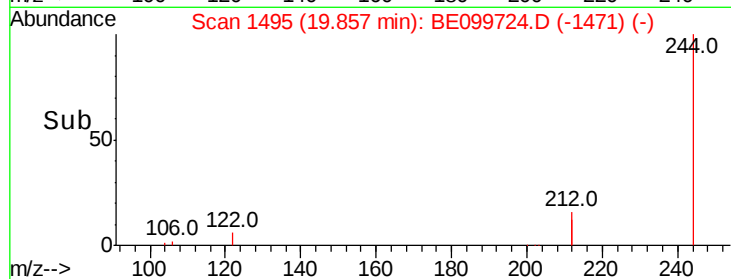
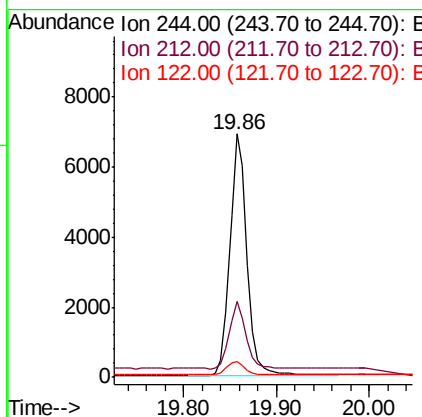
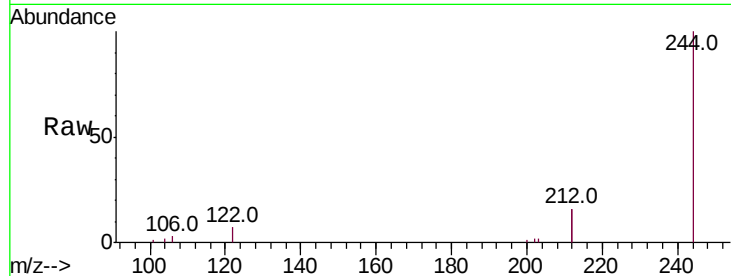
ClientSampleId :

FESB-15(1.2-1.7)

Tot Ion	Ratio	Lower	Upper
244	100		
212	31.0	22.5	33.7
122	6.7	4.3	6.5

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#30

Benzo(a)anthracene

Concen: 0.083 ng

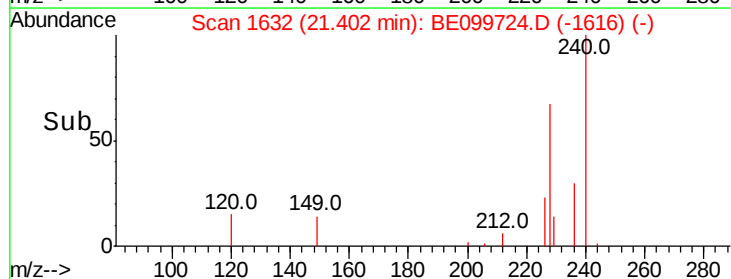
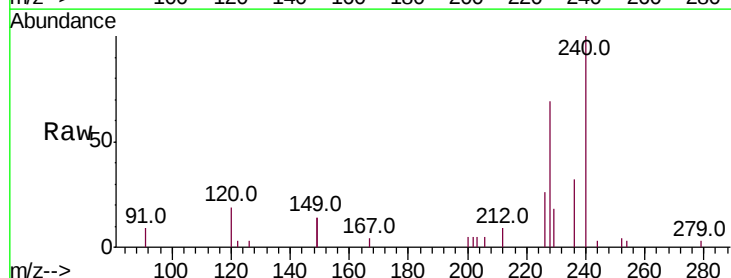
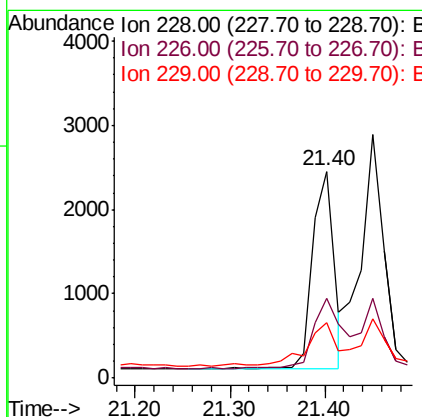
RT: 21.40 min Scan# 1632

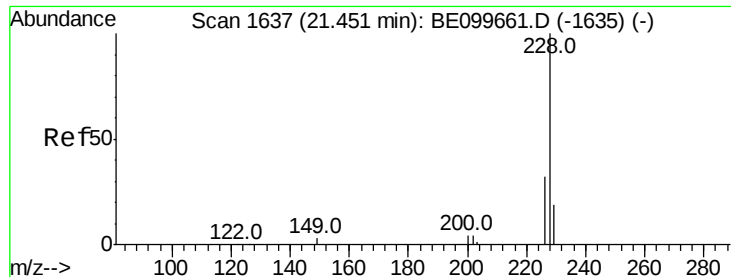
Delta R.T. -0.00 min

Lab File: BE099724.D

Acq: 22 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.4	21.3	31.9
229	26.7	16.1	24.1





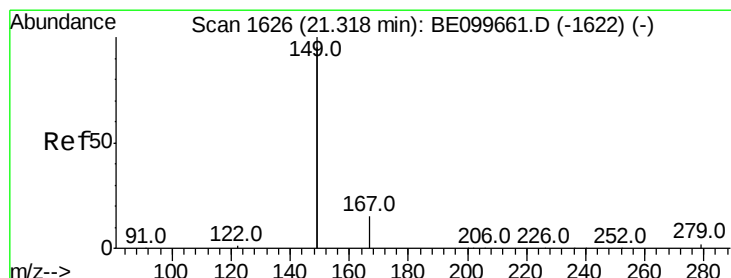
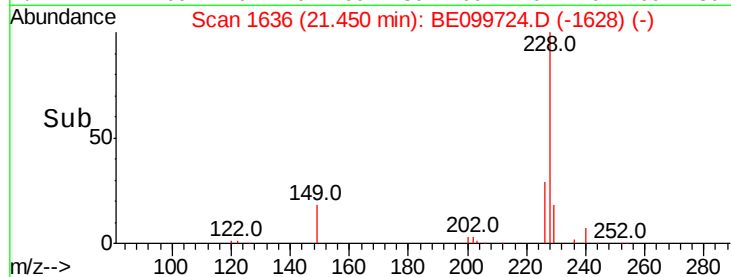
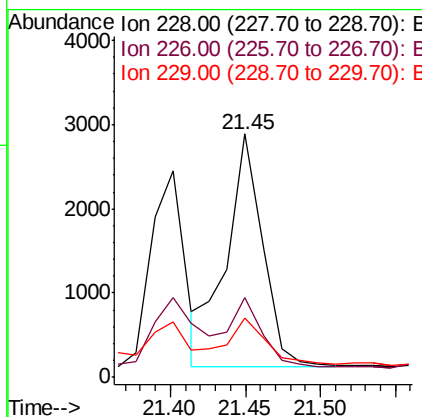
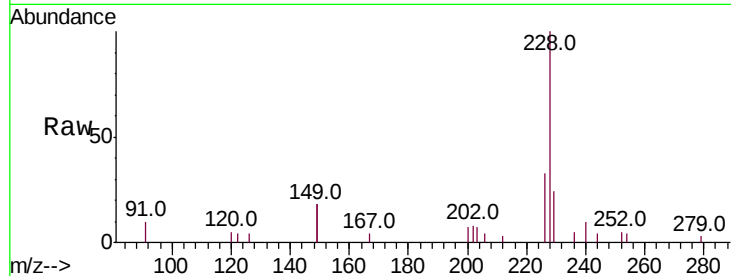
#31
Chrysene
Concen: 0.097 ng/ml
RT: 21.45 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BE099724.D
Acq: 22 May 2019 17:33

Instrument :
BNA_E
ClientSampleId :
FESB-15(1.2-1.7)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	24.7	37.1
229	24.3	15.8	23.6

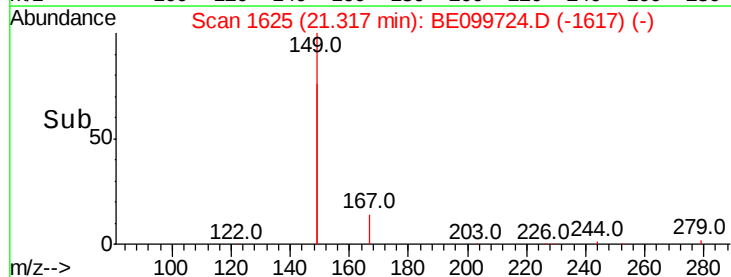
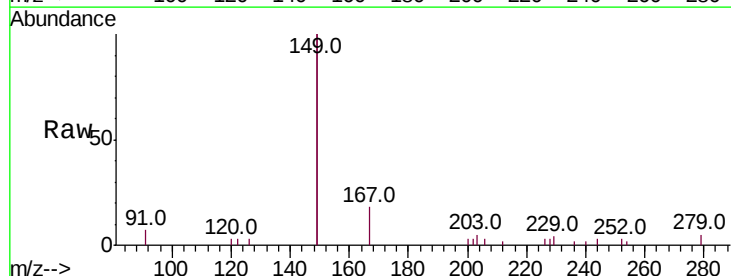
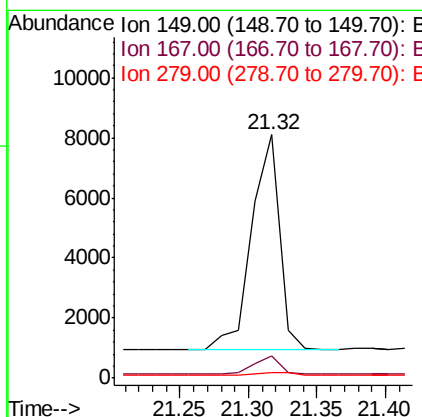
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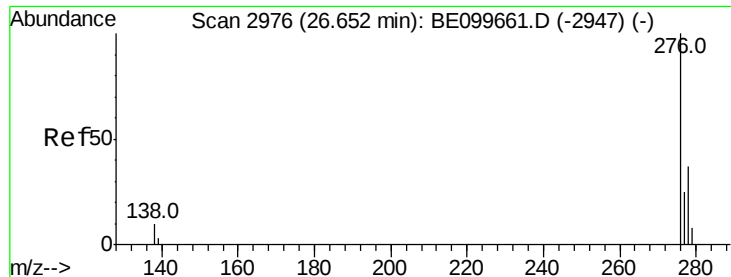
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.197 ng/ml
RT: 21.32 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE099724.D
Acq: 22 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
149	100		
167	8.3	6.2	9.4
279	1.6	1.2	1.8





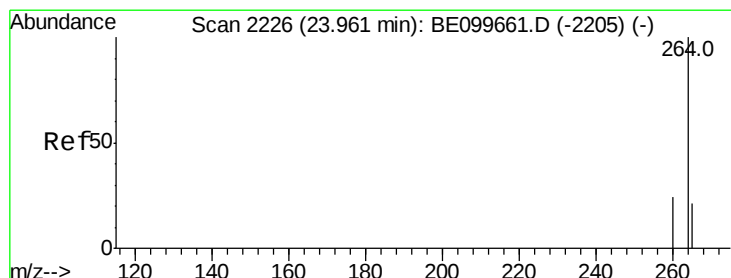
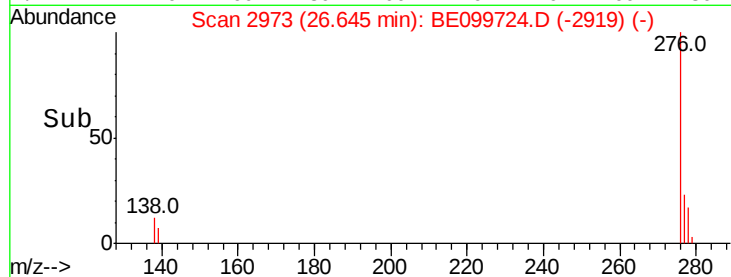
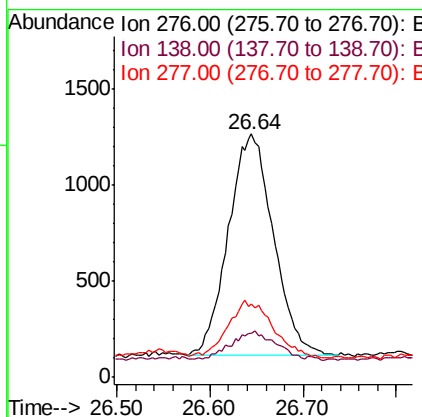
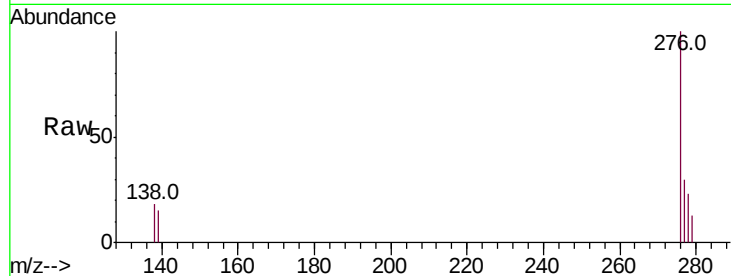
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.067 ng
 RT: 26.64 min Scan# 2973
 Delta R.T. -0.01 min
 Lab File: BE099724.D
 Acq: 22 May 2019 17:33

Instrument :
 BNA_E
 ClientSampleId :
 FESB-15(1.2-1.7)

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.1	9.6	14.4
277	26.3	19.2	28.8

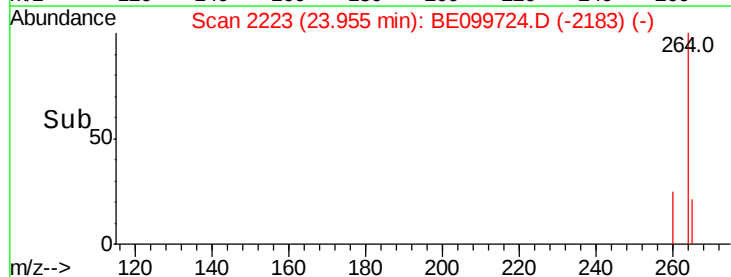
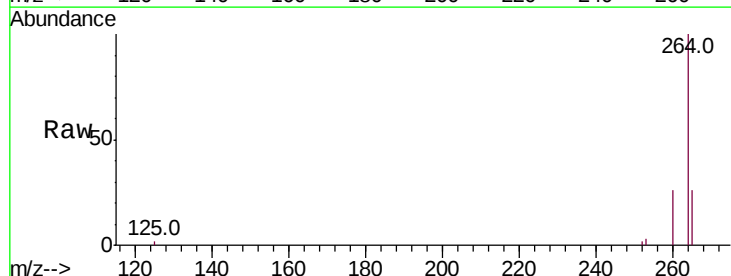
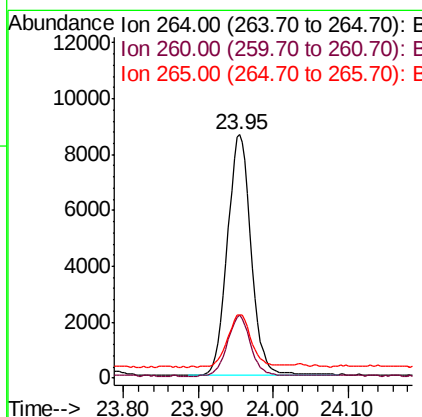
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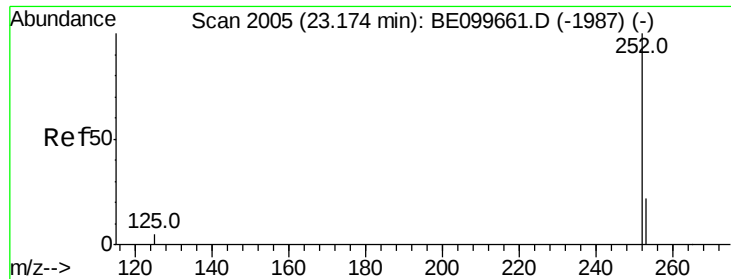
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.95 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BE099724.D
 Acq: 22 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.6	29.4
265	25.9	19.1	28.7





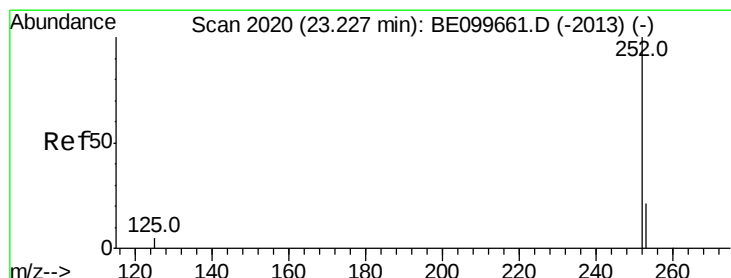
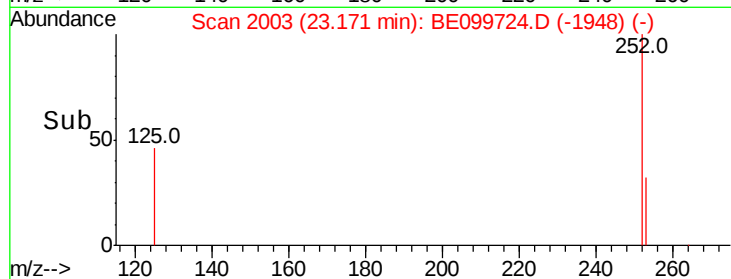
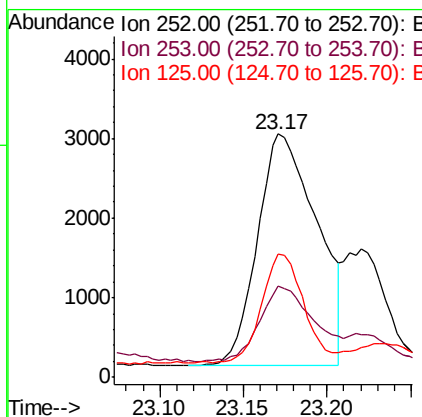
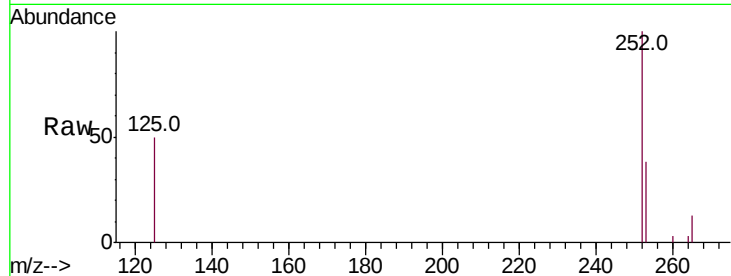
#35
Benzo(b)fluoranthene
Concen: 0.138 ng
RT: 23.17 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BE099724.D
Acq: 22 May 2019 17:33

Instrument :
BNA_E
ClientSampleId :
FESB-15(1.2-1.7)

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.5	18.2	27.4#
125	50.4	4.5	6.7#

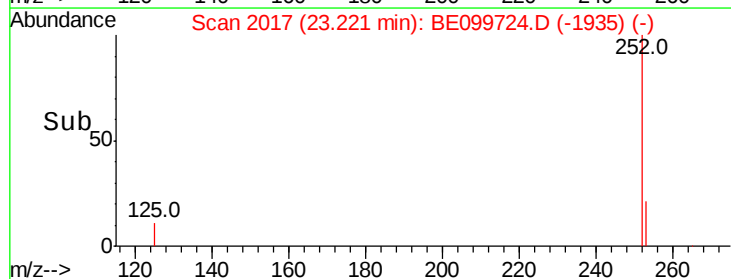
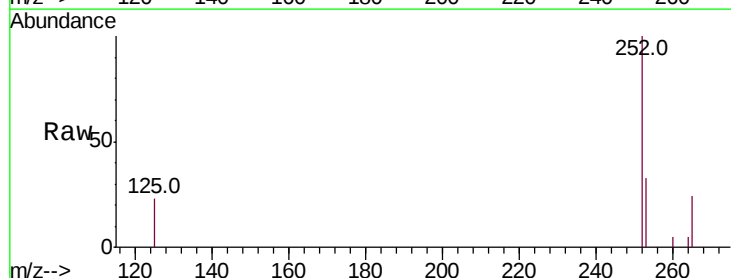
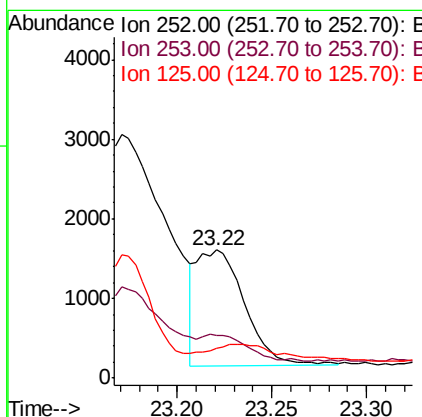
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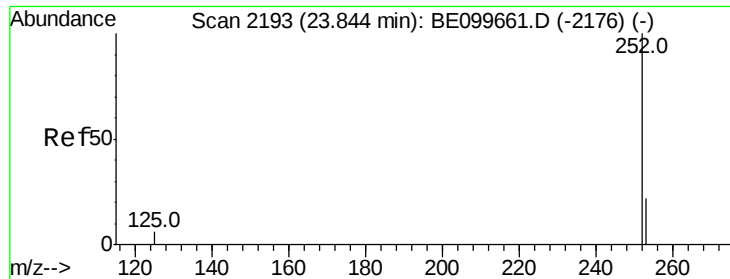
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#36
Benzo(k)fluoranthene
Concen: 0.047 ng m
RT: 23.22 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BE099724.D
Acq: 22 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.1	17.8	26.8#
125	23.2	4.6	6.8#





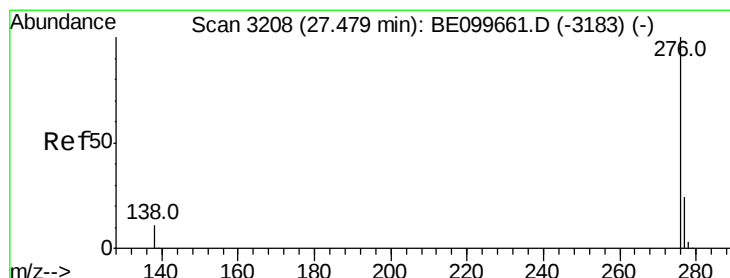
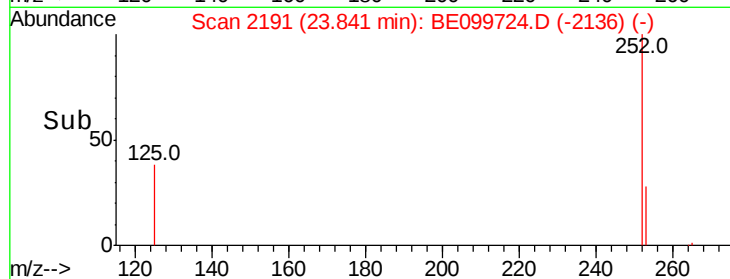
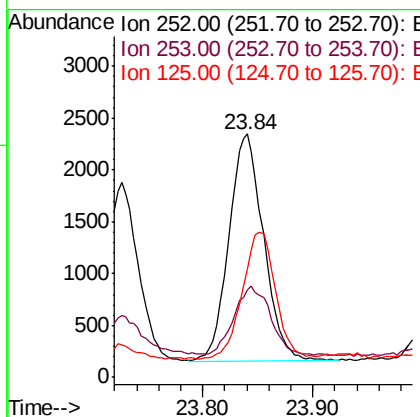
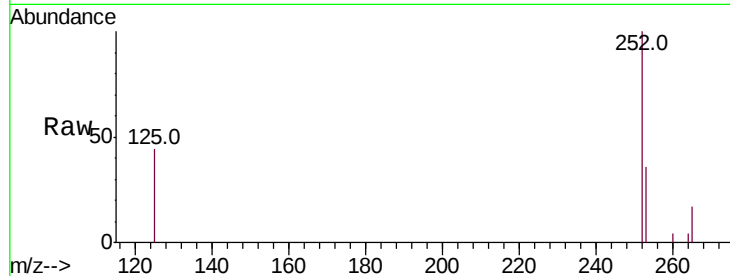
#37
Benzo(a)pyrene
Concen: 0.095 ng
RT: 23.84 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BE099724.D
Acq: 22 May 2019 17:33

Instrument :
BNA_E
ClientSampleId :
FESB-15(1.2-1.7)

Tot Ion	Ratio	Lower	Upper
252	100		
253	35.9	18.9	28.3#
125	44.5	5.4	8.0#

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#39
Benzo(g,h,i)perylene
Concen: 0.072 ng
RT: 27.47 min Scan# 3205
Delta R.T. -0.01 min
Lab File: BE099724.D
Acq: 22 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.9	19.8	29.6#
138	15.5	9.2	13.8#

