

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052219\
 Data File : BE099720.D
 Acq On : 22 May 2019 15:07
 Operator : JU/SJ
 Sample : K2966-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 5/24/2019 8:48:01 AM

Quant Time: May 23 08:20:40 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	1486	0.40	ng	-0.01
7) Naphthalene-d8	10.61	136	5173	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3836	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	11018	0.40	ng	0.00
27) Chrysene-d12	21.41	240	15832	0.40	ng	0.00
34) Perylene-d12	23.96	264	18988	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.37	112	1403	0.37	ng	0.00
5) Phenol-d6	6.98	99	1951	0.39	ng	0.00
8) Nitrobenzene-d5	8.98	82	1463	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	2768	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	761	0.39	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4144	0.28	ng	0.00
25) Fluoranthene-d10	19.26	212	41842	0.28	ng	0.00
29) Terphenyl-d14	19.86	244	8659	0.31	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.67	128	1564	0.028	ng	# 86
16) Acenaphthylene	14.21	152	1593	0.089	ng	96
23) Phenanthrene	17.27	178	1143	0.042	ng	# 93
24) Anthracene	17.36	178	1127	0.046	ng	98
26) Fluoranthene	19.29	202	3525	0.083	ng	# 98
28) Pyrene	19.65	202	4352	0.109	ng	# 94
30) Benzo(a)anthracene	21.40	228	3173	0.071	ng	# 49
31) Chrysene	21.45	228	3385	0.070	ng	# 81
32) Bis(2-ethylhexyl)phthalate	21.31	149	16917	0.326	ng	100
33) Indeno(1,2,3-cd)pyrene	26.64	276	10077	0.174	ng	98
35) Benzo(b)fluoranthene	23.17	252	8258	0.159	ng	# 71
36) Benzo(k)fluoranthene	23.22	252	2661m	0.049	ng	
37) Benzo(a)pyrene	23.84	252	5525	0.110	ng	# 70
38) Dibenzo(a,h)anthracene	26.66	278	2106	0.040	ng	# 47
39) Benzo(a,h,i)perylene	27.48	276	9909	0.187	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099720.D

Acq: 22 May 2019 15:07

Instrument :

BNA_E

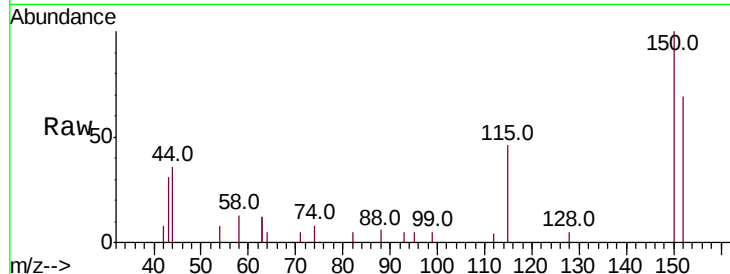
ClientSampleId :

FESB-14(4.5-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.2	109.2	163.8
115	67.2	43.7	65.5

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Abundance

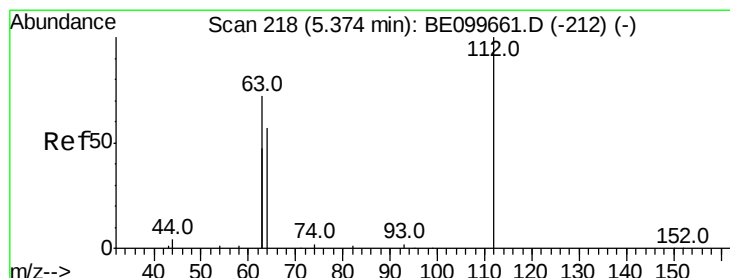
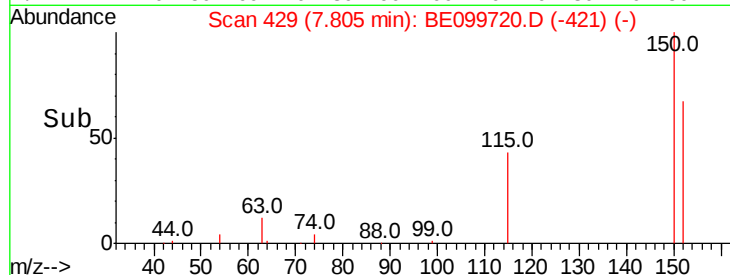
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

7.80

Time-->



#4

2-Fluorophenol

Concen: 0.374 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099720.D

Acq: 22 May 2019 15:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	43.4	65.2
63	117.0	96.9	145.3

Abundance

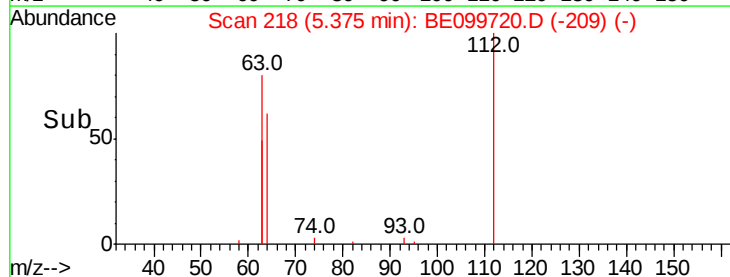
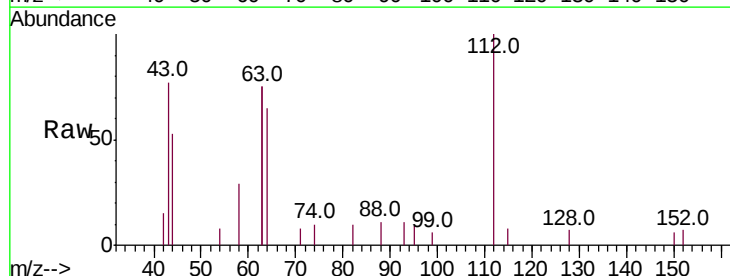
Ion 112.00 (111.70 to 112.70): E

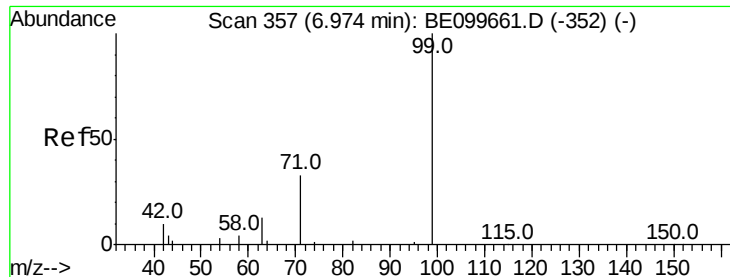
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

5.37

Time-->





#5

Phenol-d6

Concen: 0.392 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099720.D

Acq: 22 May 2019 15:07

Instrument :

BNA_E

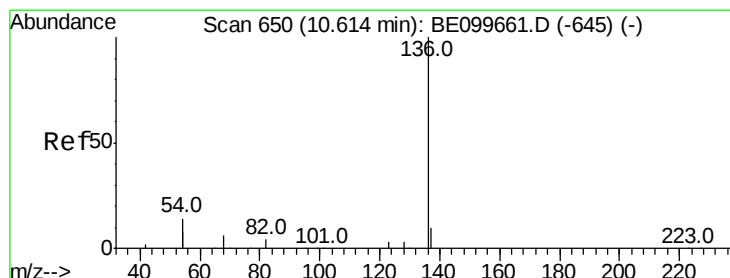
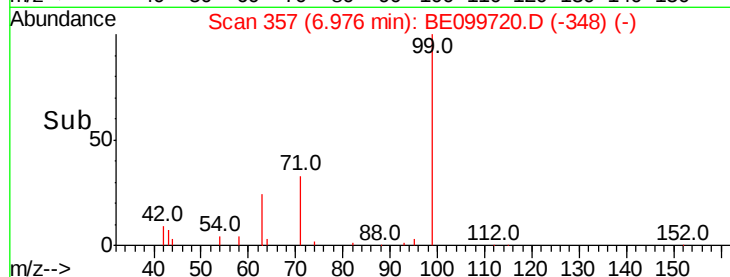
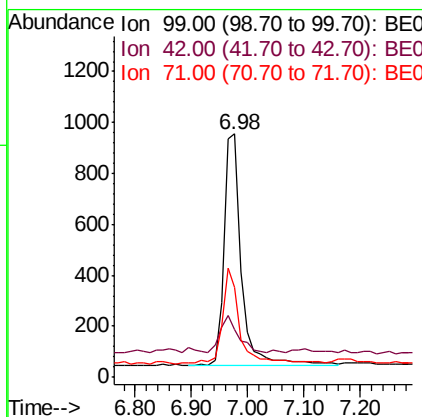
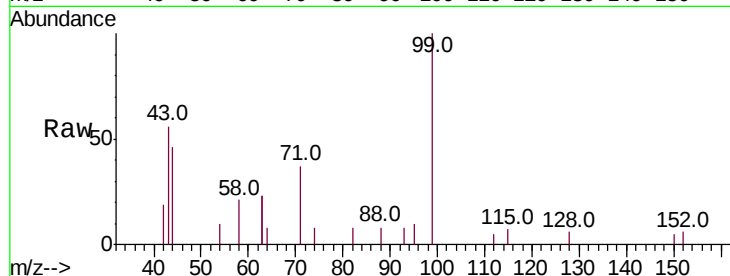
ClientSampleId :

FESB-14(4.5-5)

Tot Ion:	99	Resp:	1951
Ion	Ratio	Lower	Upper
99	100		
42	16.2	12.2	18.2
71	39.0	28.9	43.3

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#7

Naphthalene-d8

Concen: 0.400 ng

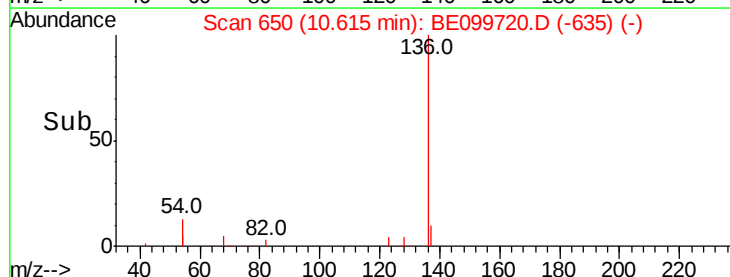
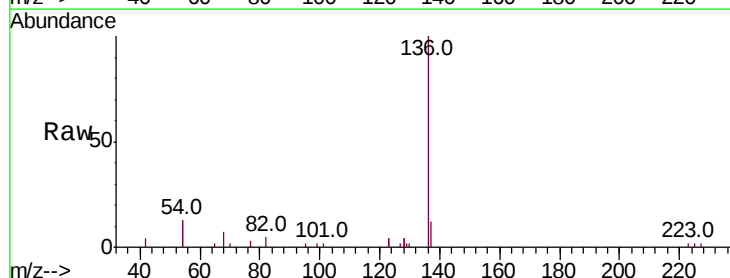
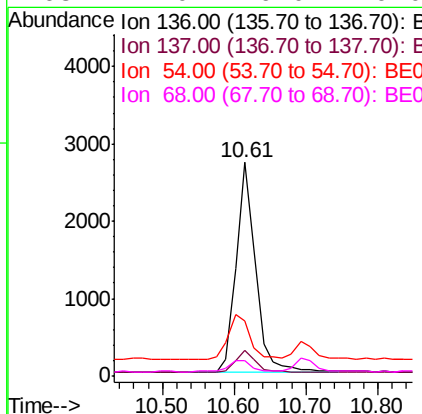
RT: 10.61 min Scan# 650

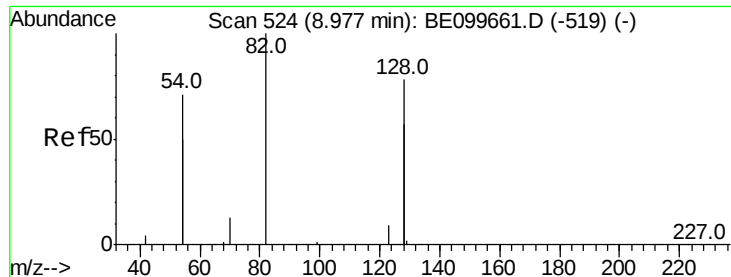
Delta R.T. 0.00 min

Lab File: BE099720.D

Acq: 22 May 2019 15:07

Tgt Ion:	136	Resp:	5173
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.6
54	26.1	22.3	33.5
68	7.0	6.0	9.0





#8

Nitrobenzene-d5

Concen: 0.327 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099720.D

Acq: 22 May 2019 15:07

Instrument :

BNA_E

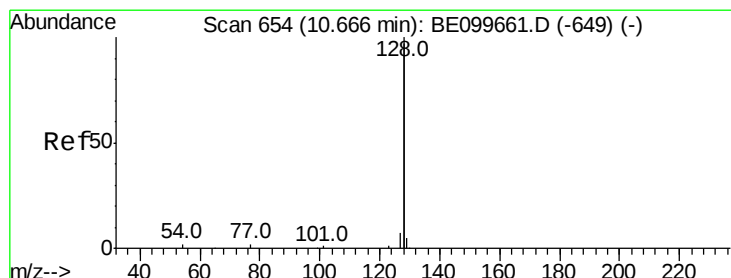
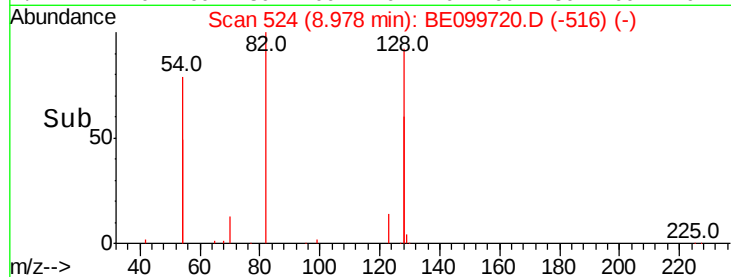
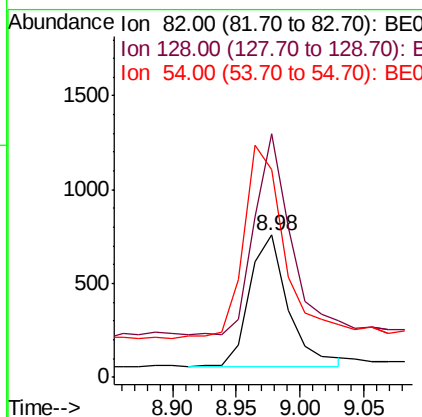
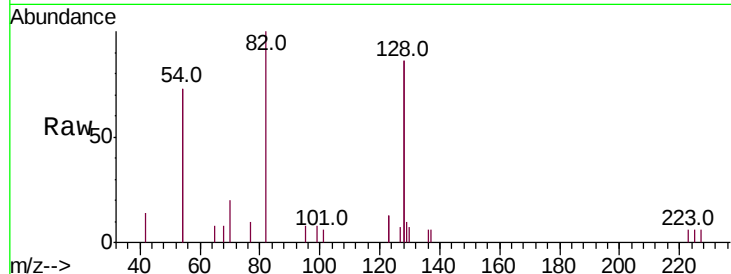
ClientSampleId :

FESB-14(4.5-5)

Tot Ion:	82	Resp:	1463
Ion	Ratio	Lower	Upper
82	100		
128	171.0	117.7	176.5
54	145.7	106.6	160.0

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#9

Naphthalene

Concen: 0.028 ng

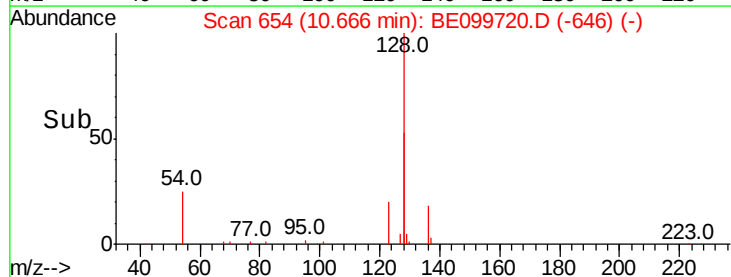
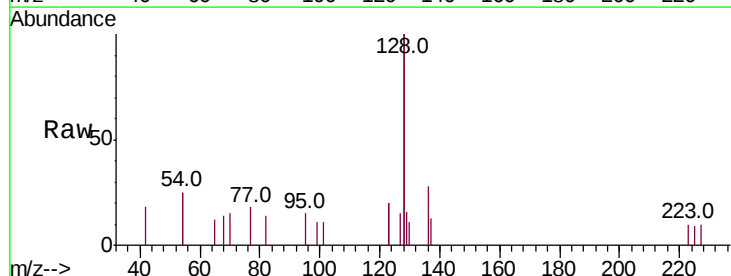
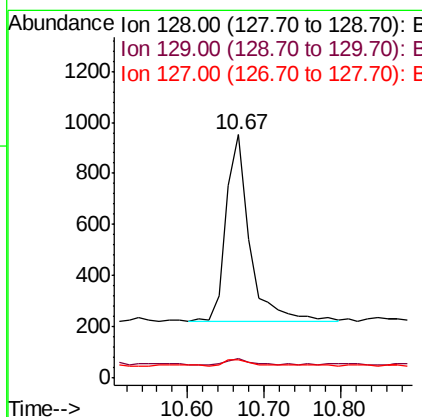
RT: 10.67 min Scan# 654

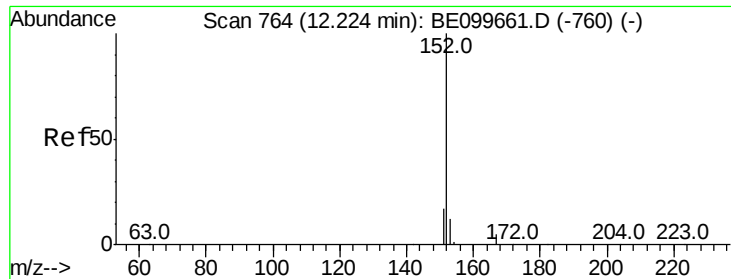
Delta R.T. 0.00 min

Lab File: BE099720.D

Acq: 22 May 2019 15:07

Tgt Ion:	128	Resp:	1564
Ion	Ratio	Lower	Upper
128	100		
129	8.1	2.4	3.6#
127	7.7	2.9	4.3#





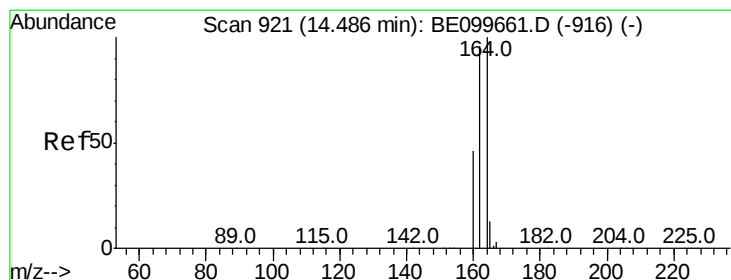
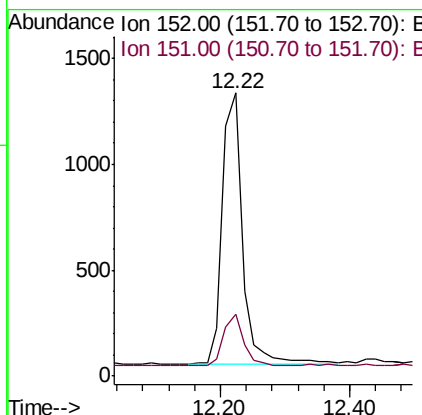
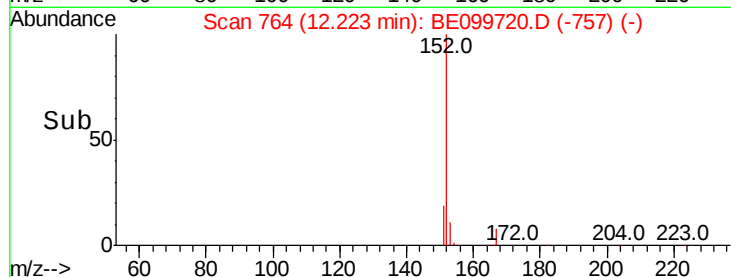
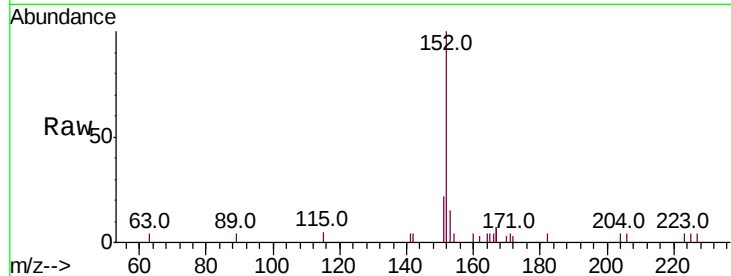
#11
 2-Methylnaphthalene-d10
 Concen: 0.310 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE099720.D
 Acq: 22 May 2019 15:07

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

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.0	22.4

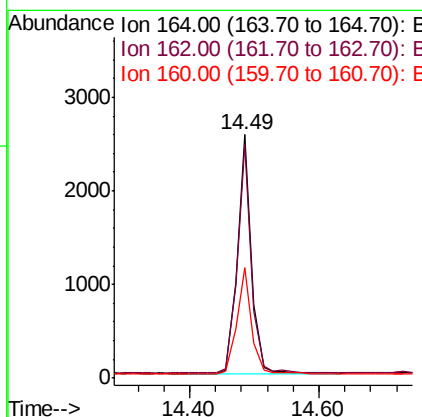
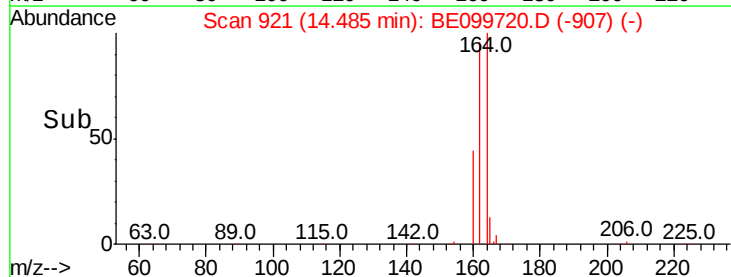
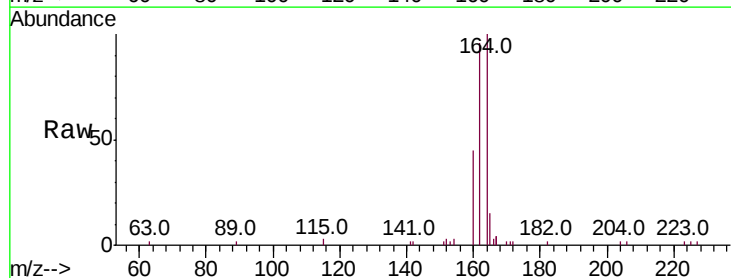
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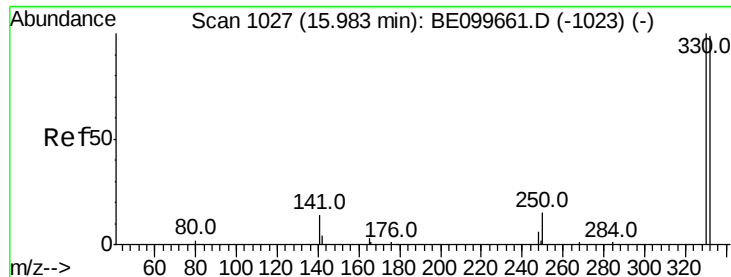
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE099720.D
 Acq: 22 May 2019 15:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.1	76.5	114.7
160	45.1	37.4	56.2





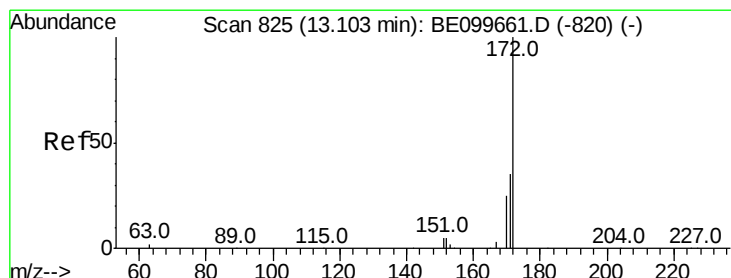
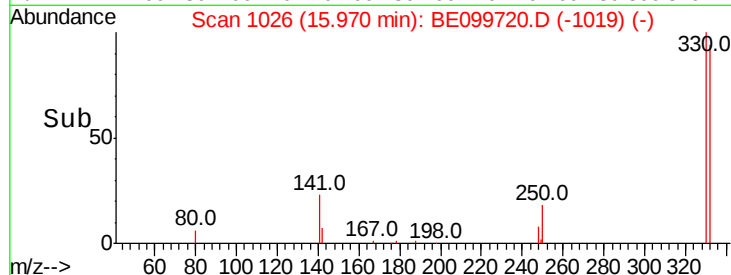
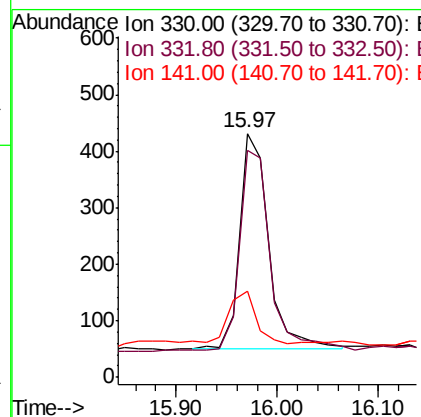
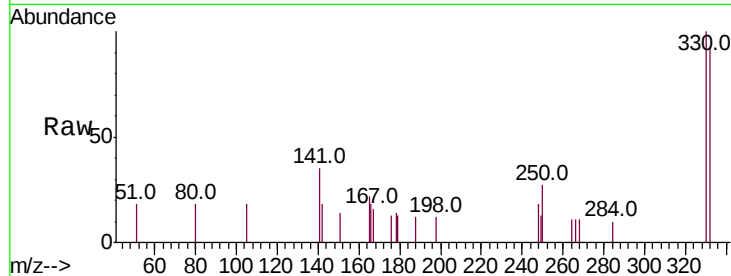
#14
 2,4,6-Tribromophenol
 Concen: 0.392 ng
 RT: 15.97 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BE099720.D
 Acq: 22 May 2019 15:07

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	21.7	18.9	28.3

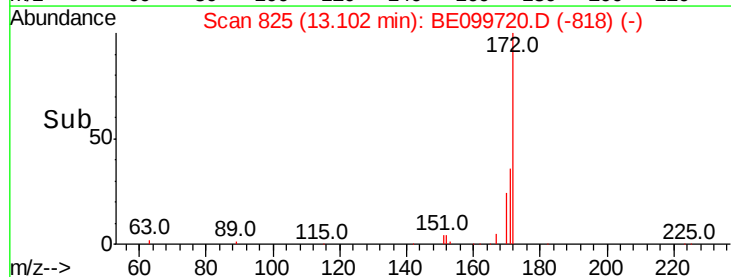
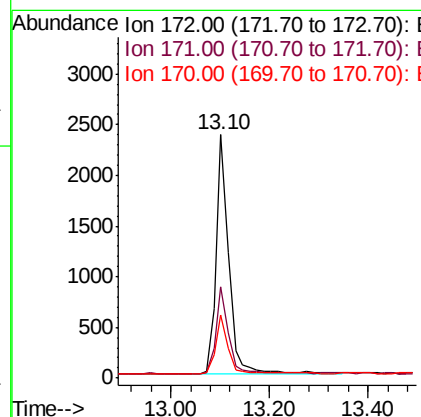
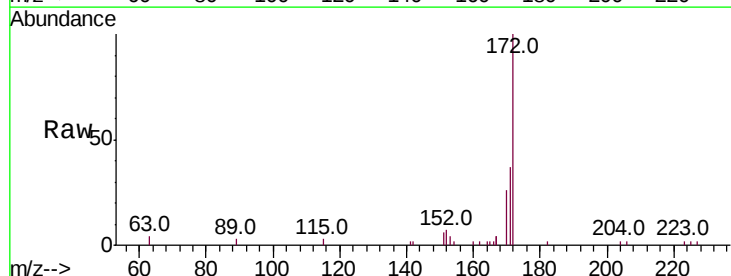
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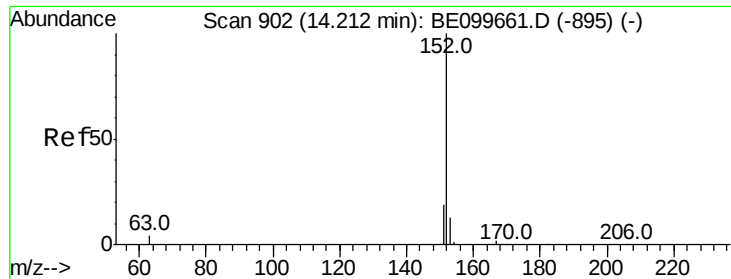
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#15
 2-Fluorobiphenyl
 Concen: 0.285 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BE099720.D
 Acq: 22 May 2019 15:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.7	43.1
170	25.9	20.9	31.3





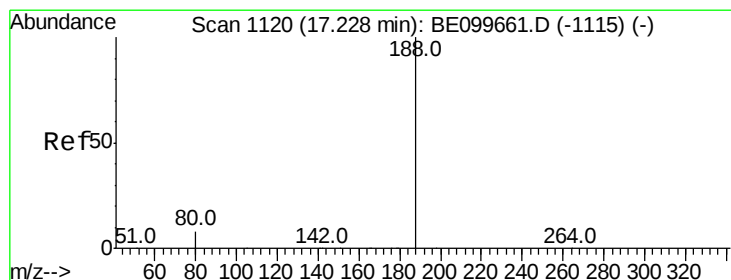
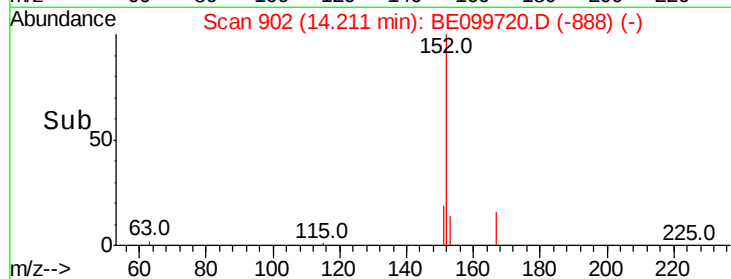
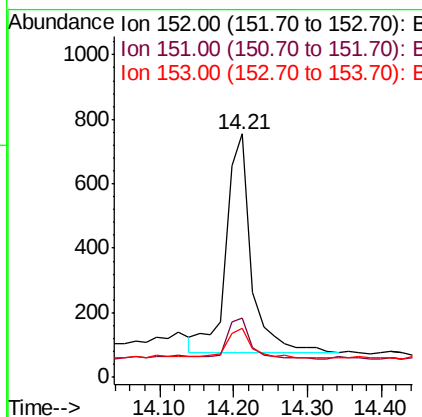
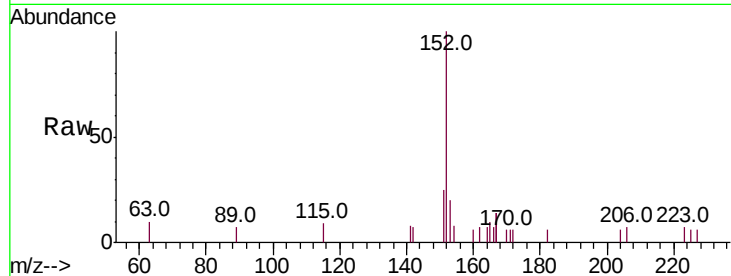
#16
Acenaphthylene
Concen: 0.089 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099720.D
Acq: 22 May 2019 15:07

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

Tot Ion	Ratio	Lower	Upper
152	100		
151	17.8	15.9	23.9
153	14.4	10.6	16.0

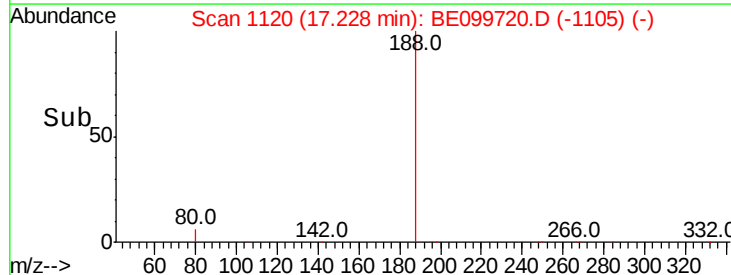
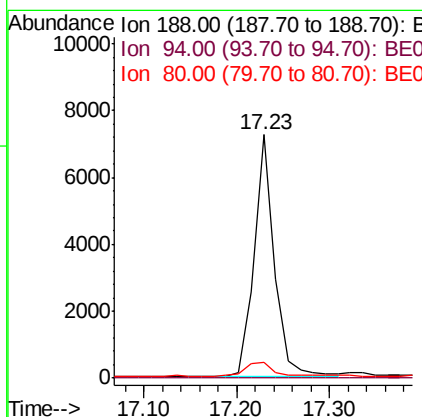
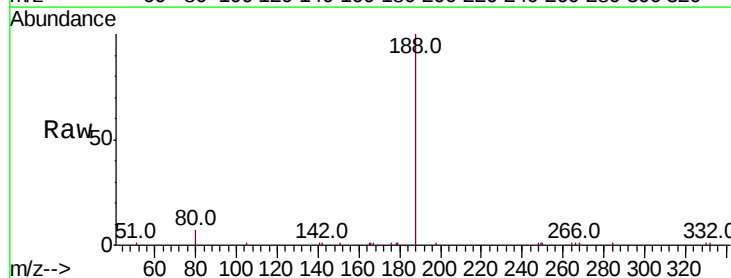
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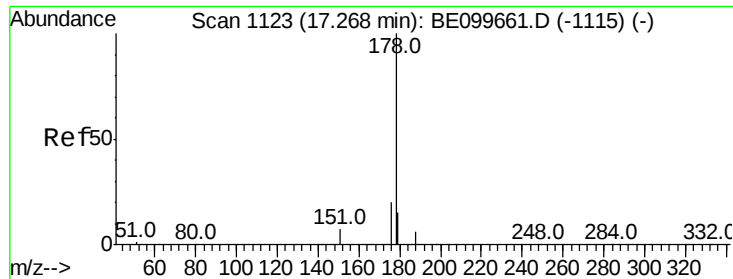
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099720.D
Acq: 22 May 2019 15:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.5	6.7	10.1#





#23

Phenanthrene

Concen: 0.042 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099720.D

Acq: 22 May 2019 15:07

Instrument :

BNA_E

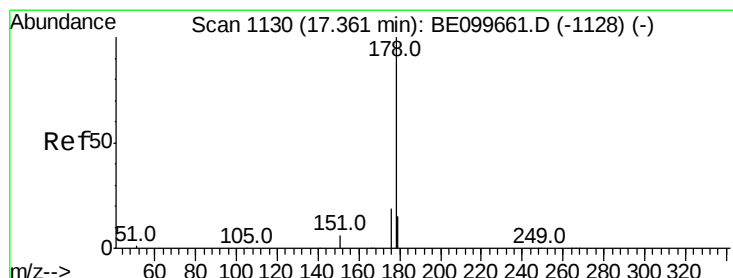
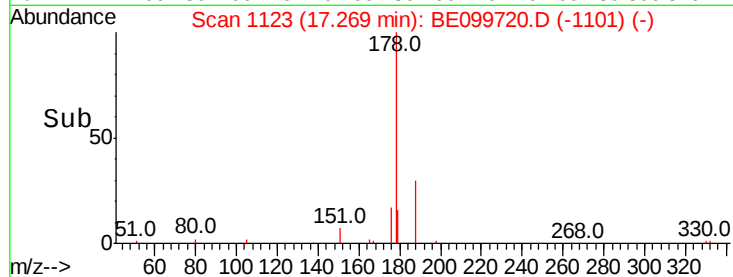
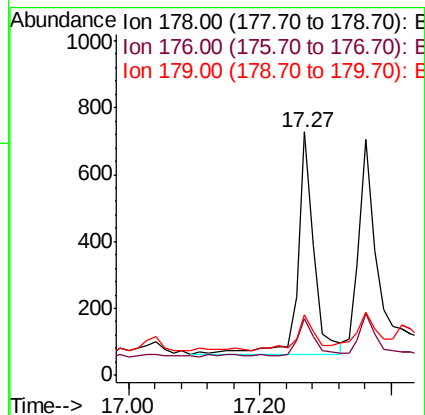
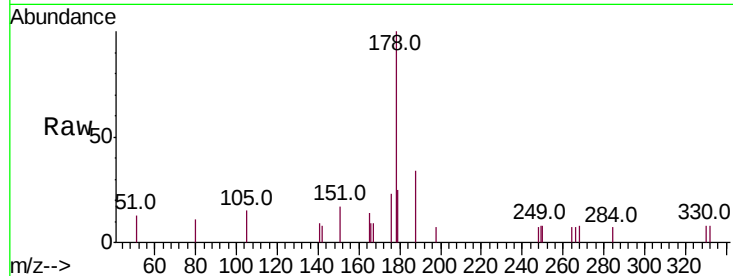
ClientSampleId :

FESB-14(4.5-5)

Tot Ion:178	Resp:	1143
Ion Ratio	Lower	Upper
178	100	
176	17.1	15.6 23.4
179	19.0	12.2 18.4#

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#24

Anthracene

Concen: 0.046 ng

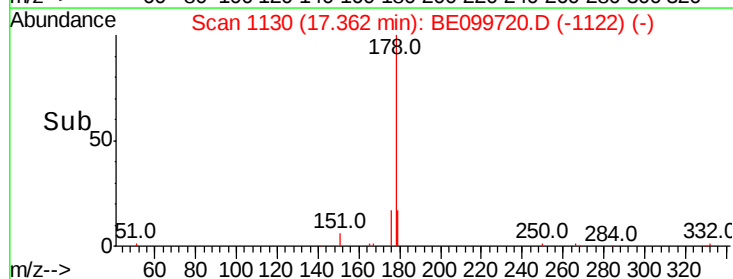
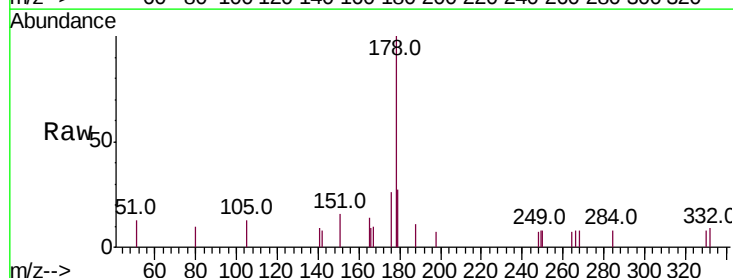
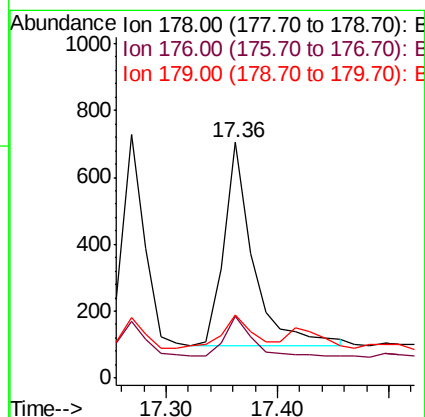
RT: 17.36 min Scan# 1130

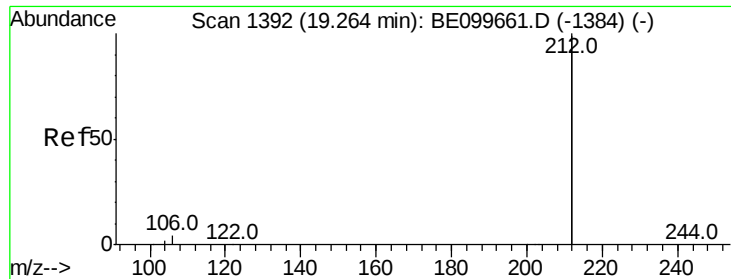
Delta R.T. 0.00 min

Lab File: BE099720.D

Acq: 22 May 2019 15:07

Tgt Ion:178	Resp:	1127
Ion Ratio	Lower	Upper
178	100	
176	16.5	14.7 22.1
179	15.0	12.0 18.0





#25

Fluoranthene-d10

Concen: 0.278 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099720.D

Acq: 22 May 2019 15:07

Instrument :

BNA_E

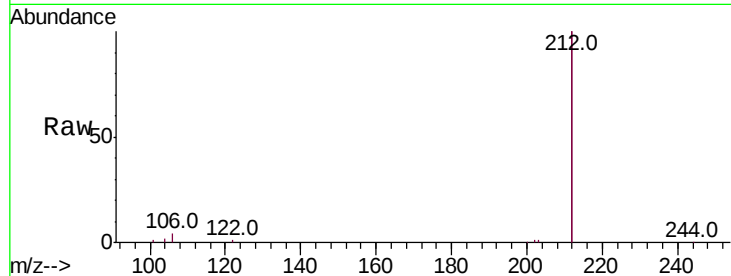
ClientSampleId :

FESB-14(4.5-5)

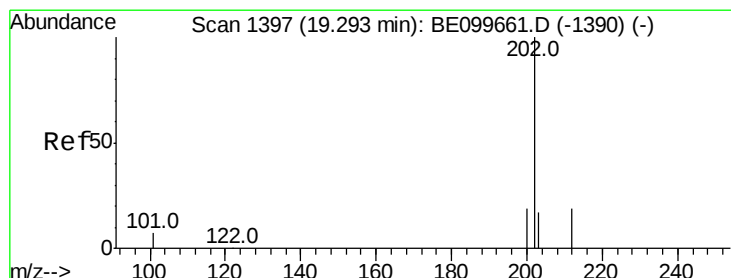
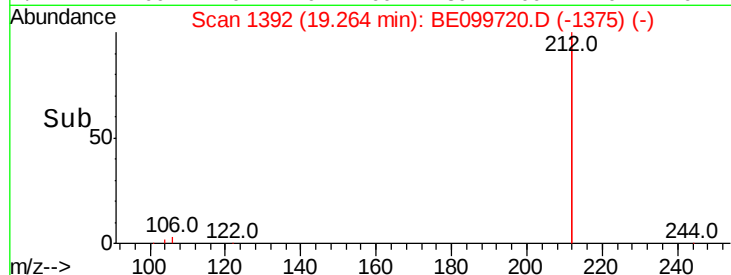
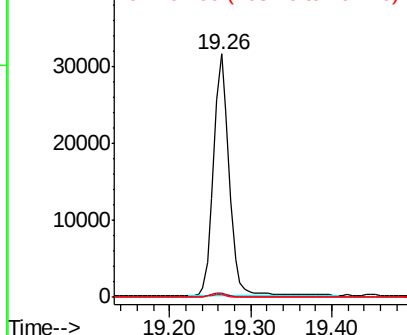
Tot Ion:212	Resp:	41842
Ion Ratio	Lower	Upper
212 100		
106 1.8	1.4	2.2
104 1.1	0.8	1.2

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.083 ng

RT: 19.29 min Scan# 1397

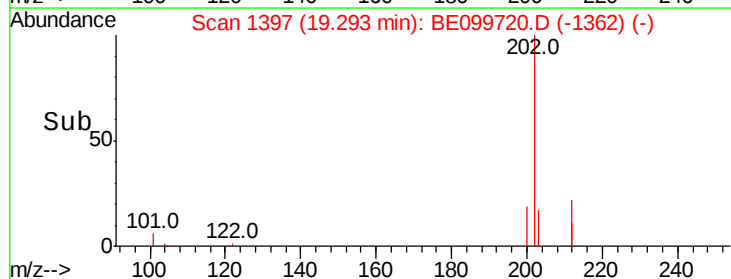
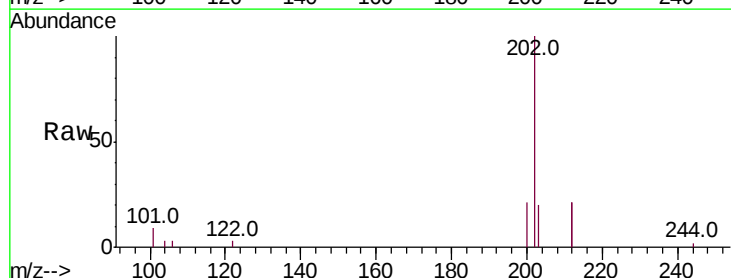
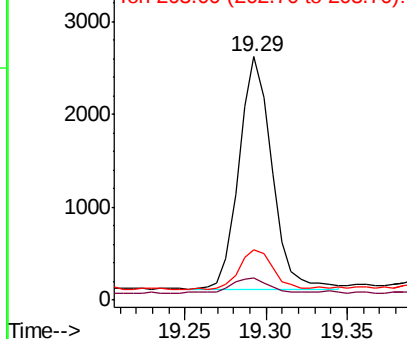
Delta R.T. -0.00 min

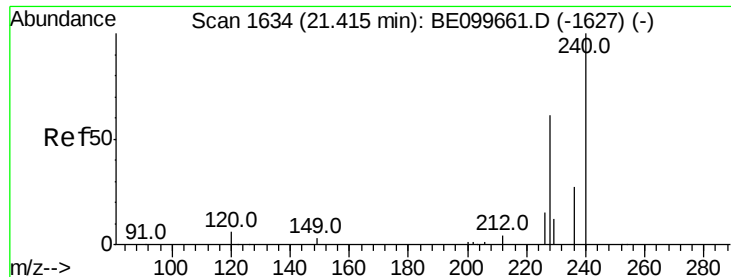
Lab File: BE099720.D

Acq: 22 May 2019 15:07

Tgt Ion:202	Resp:	3525
Ion Ratio	Lower	Upper
202 100		
101 7.9	5.2	7.8#
203 18.0	13.8	20.6

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





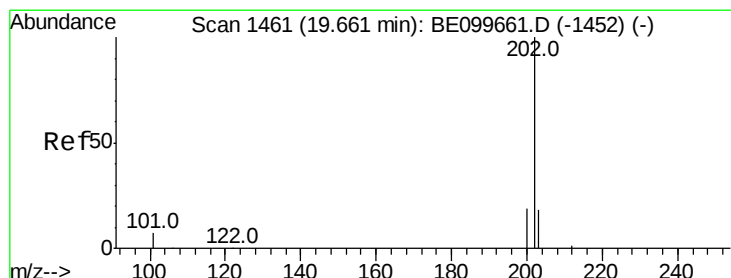
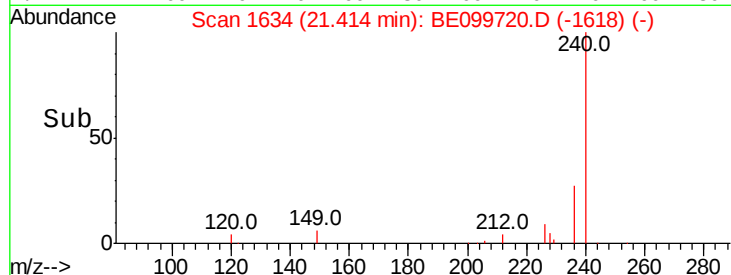
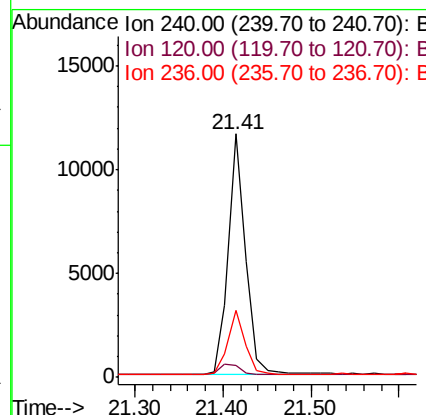
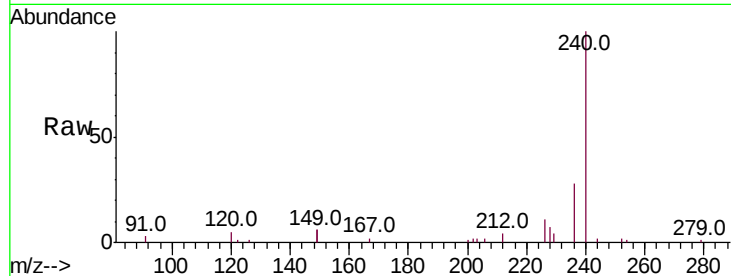
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099720.D
Acq: 22 May 2019 15:07

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.8	5.4	8.0#
236	27.7	21.7	32.5

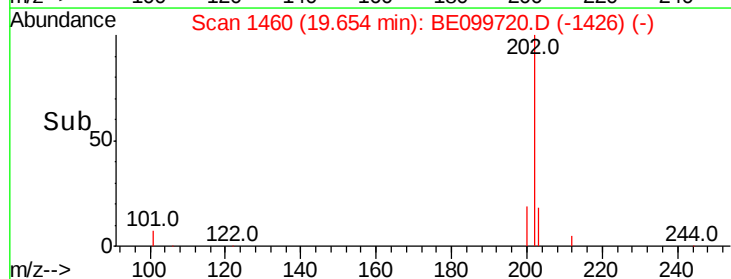
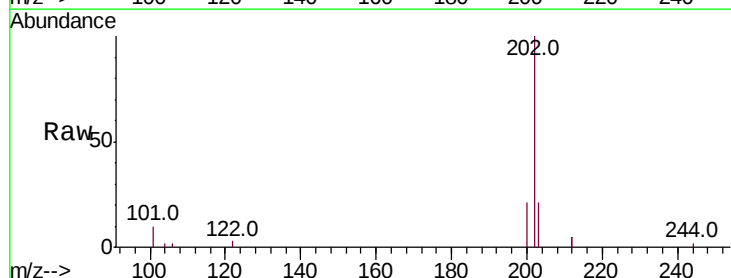
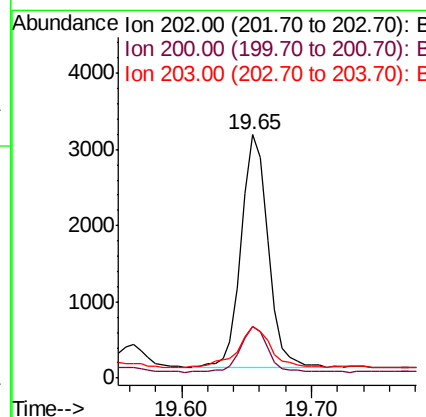
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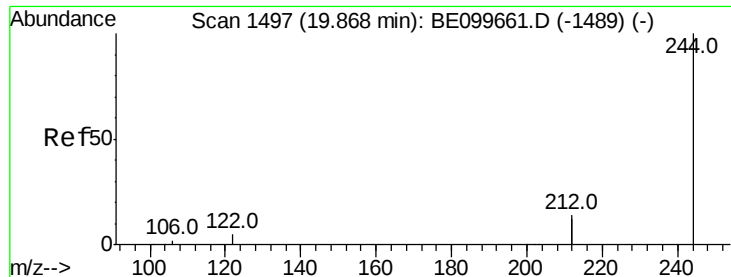
mohammad
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#28
Pyrene
Concen: 0.109 ng
RT: 19.65 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BE099720.D
Acq: 22 May 2019 15:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	15.4	23.2
203	21.7	13.8	20.8#





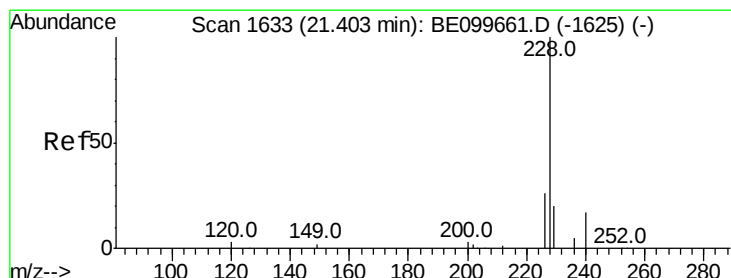
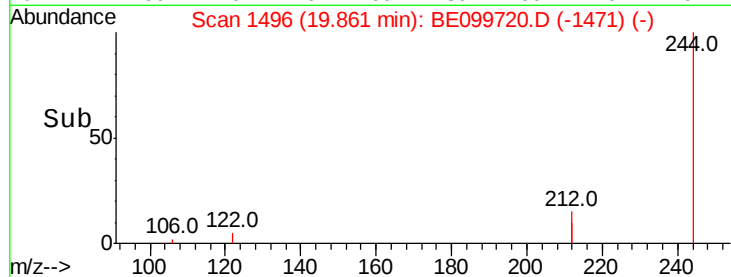
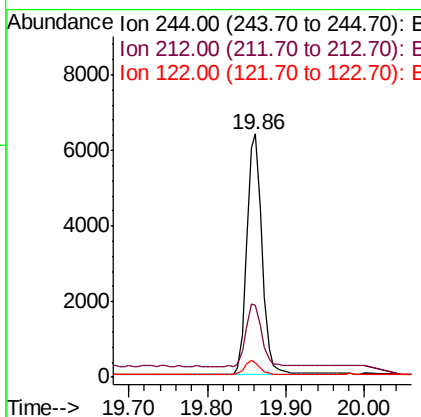
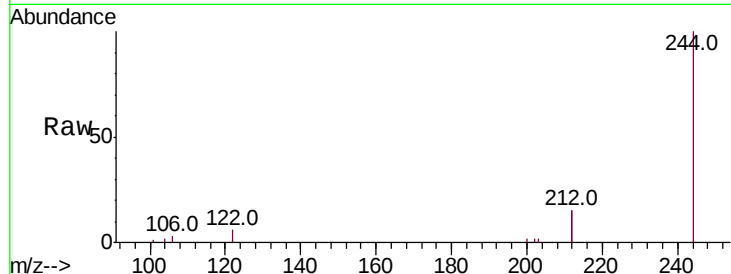
#29
 Terphenyl-d14
 Concen: 0.306 ng
 RT: 19.86 min Scan# 1496
 Delta R.T. -0.01 min
 Lab File: BE099720.D
 Acq: 22 May 2019 15:07

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	29.8	22.5	33.7
122	5.8	4.3	6.5

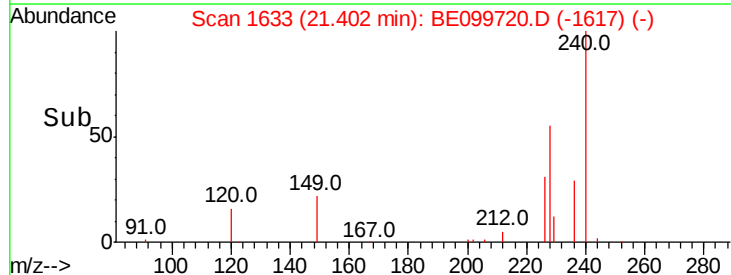
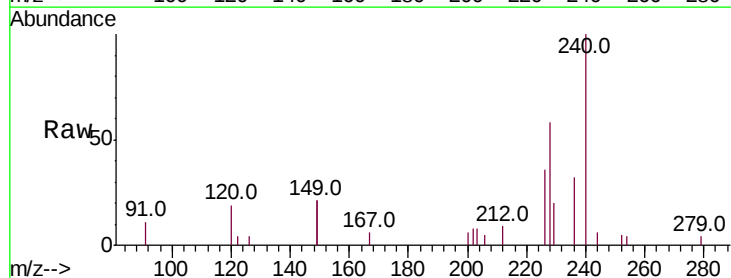
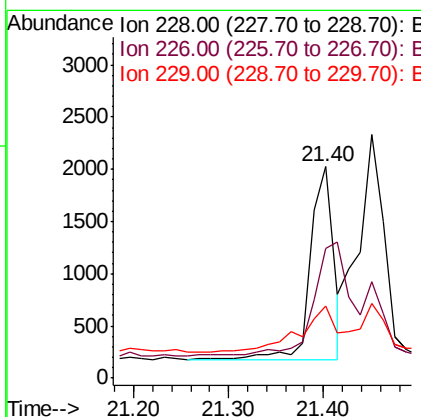
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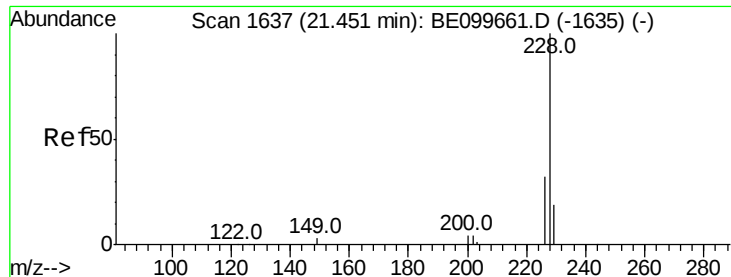
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#30
 Benzo(a)anthracene
 Concen: 0.071 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: BE099720.D
 Acq: 22 May 2019 15:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	61.4	21.3	31.9#
229	33.9	16.1	24.1#





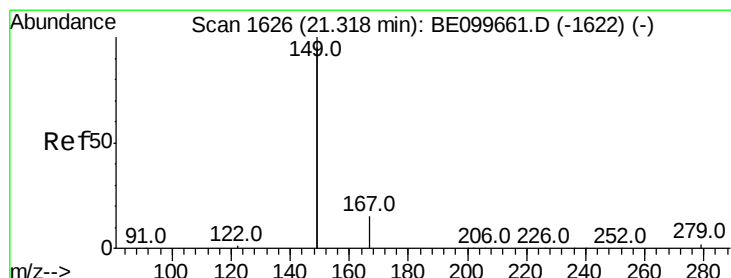
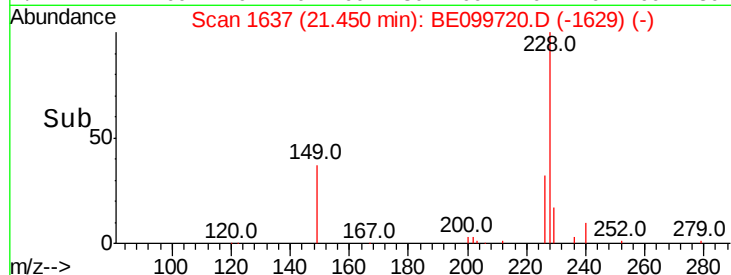
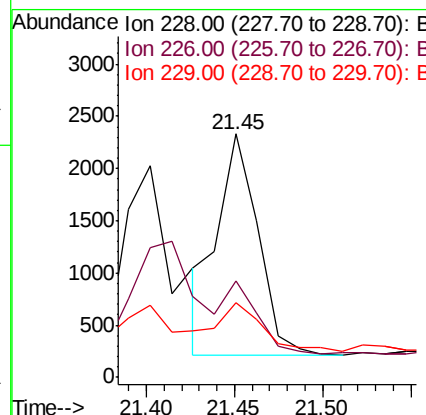
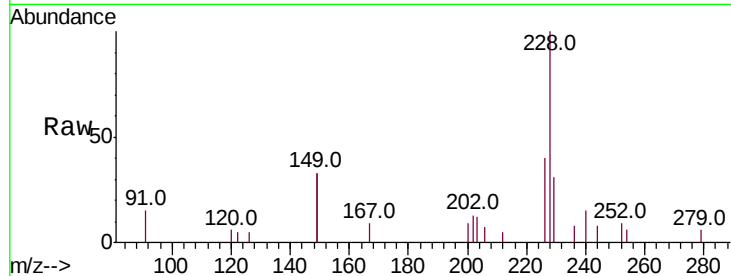
#31
Chrysene
Concen: 0.070 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.00 min
Lab File: BE099720.D
Acq: 22 May 2019 15:07

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	39.8	24.7	37.1#
229	30.6	15.8	23.6#

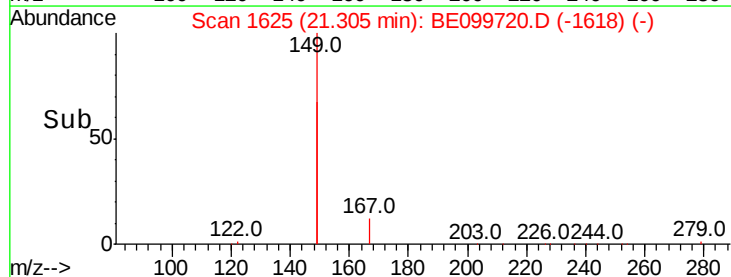
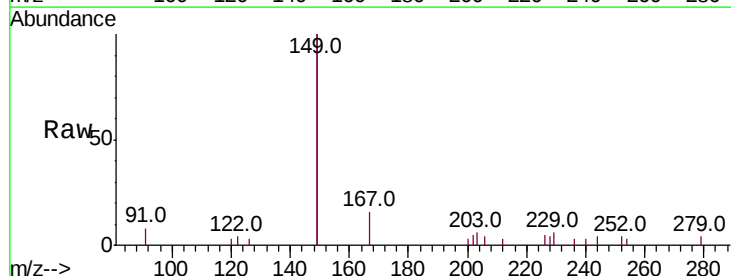
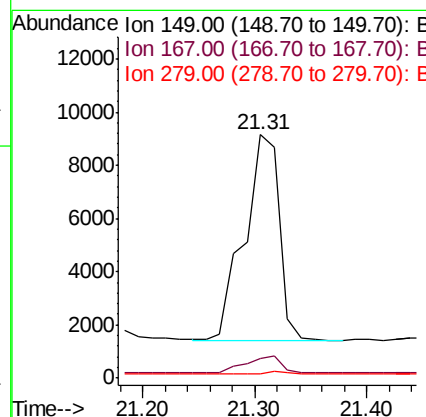
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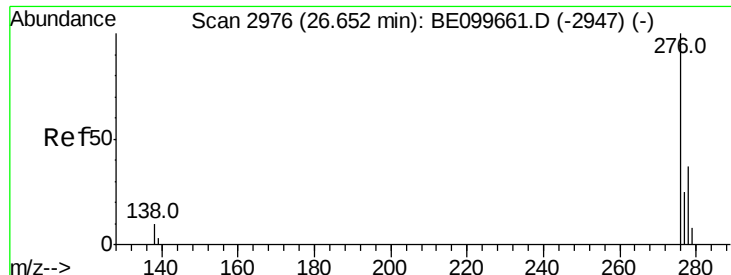
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.326 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE099720.D
Acq: 22 May 2019 15:07

Tgt Ion	Ratio	Lower	Upper
149	100		
167	8.0	6.2	9.4
279	1.5	1.2	1.8





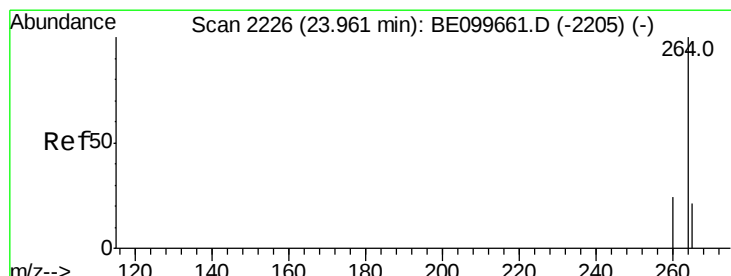
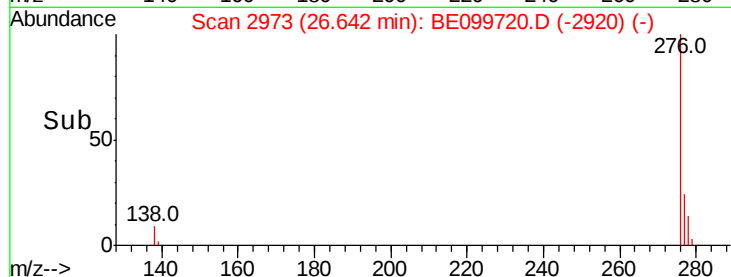
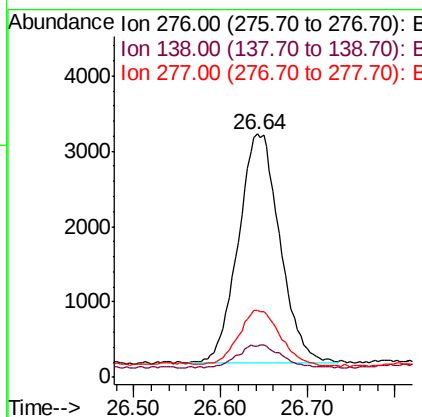
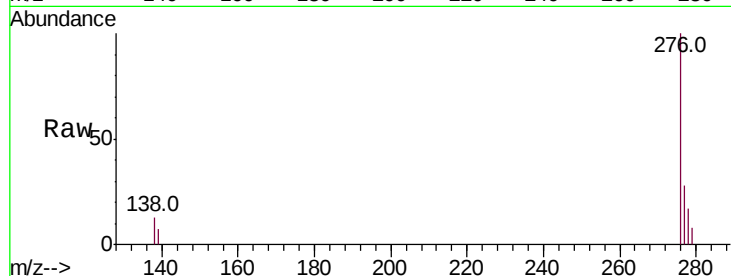
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.174 ng
RT: 26.64 min Scan# 2973
Delta R.T. -0.01 min
Lab File: BE099720.D
Acq: 22 May 2019 15:07

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.5	9.6	14.4
277	24.6	19.2	28.8

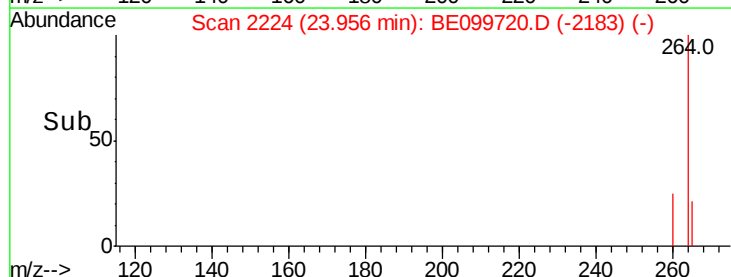
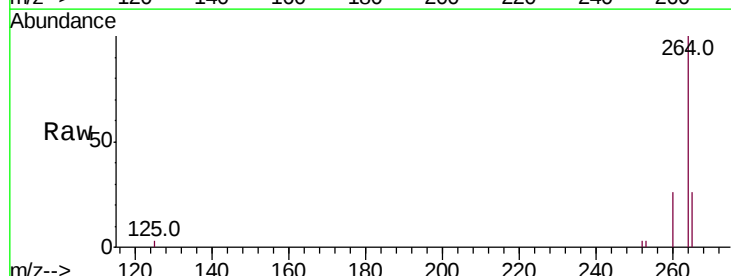
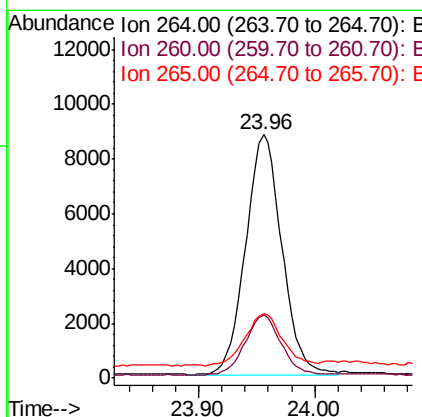
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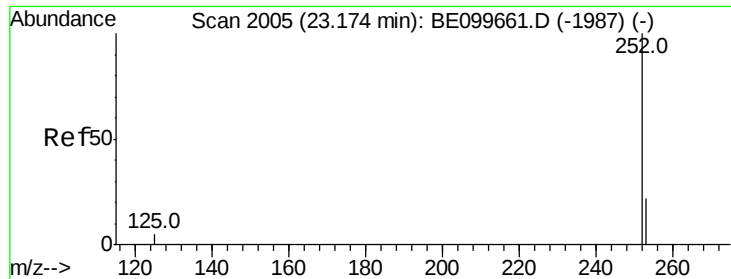
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BE099720.D
Acq: 22 May 2019 15:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.6	29.4
265	26.4	19.1	28.7





#35

Benzo(b)fluoranthene

Concen: 0.159 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BE099720.D

Acq: 22 May 2019 15:07

Instrument :

BNA_E

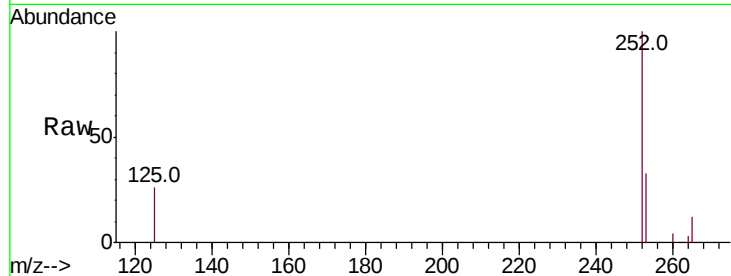
ClientSampleId :

FESB-14(4.5-5)

Tot Ion:	252	Resp:	8258
Ion Ratio	Lower	Upper	
252	100		
253	32.8	18.2	27.4#
125	26.3	4.5	6.7#

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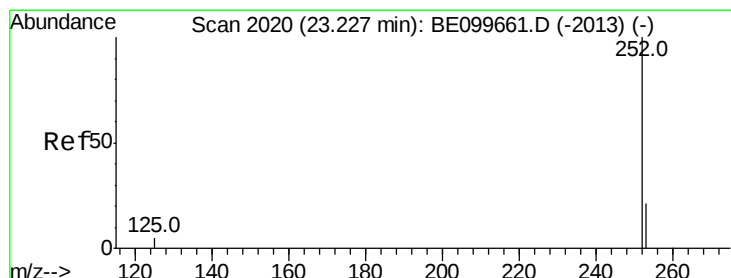
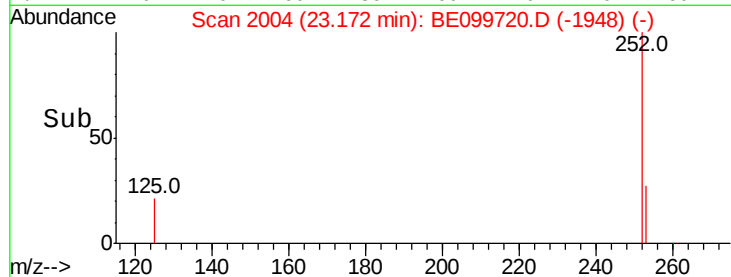
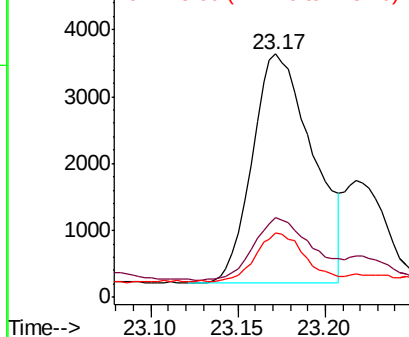


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.049 ng m

RT: 23.22 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BE099720.D

Acq: 22 May 2019 15:07

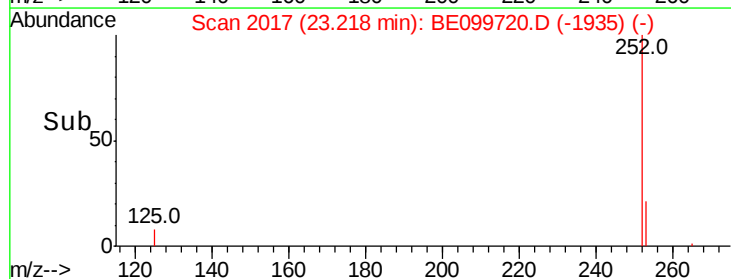
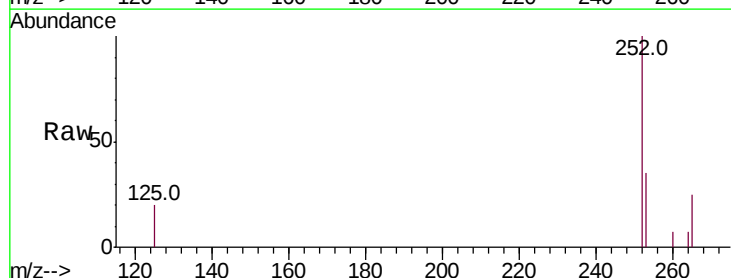
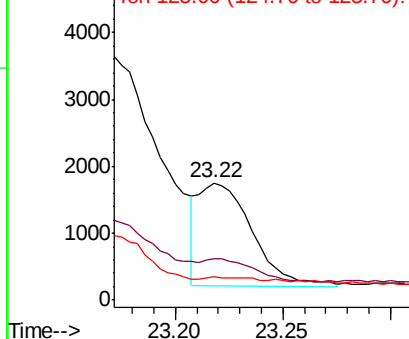
Tgt Ion:	252	Resp:	2661
Ion Ratio	Lower	Upper	
252	100		
253	34.9	17.8	26.8#
125	19.8	4.6	6.8#

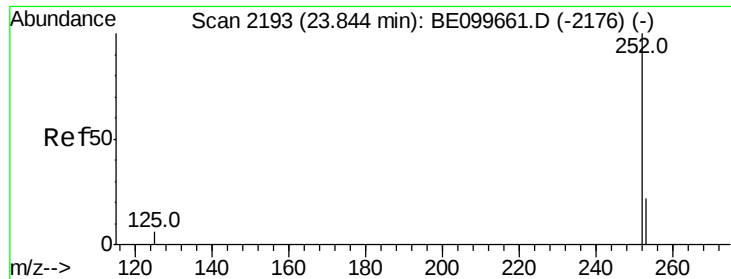
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





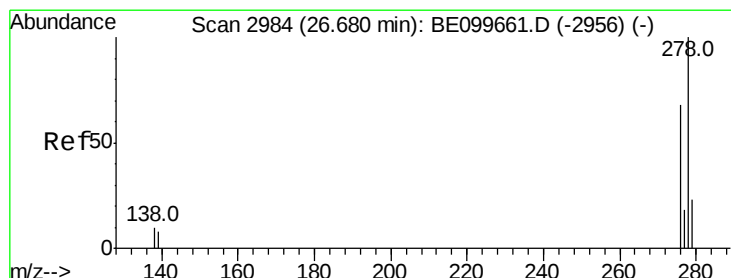
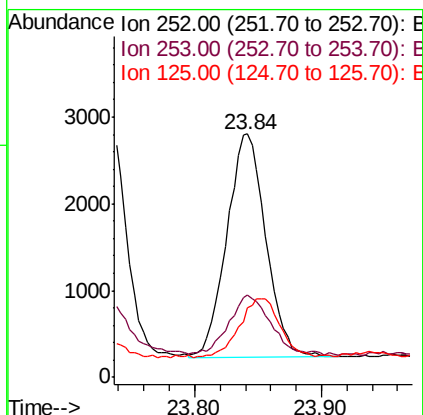
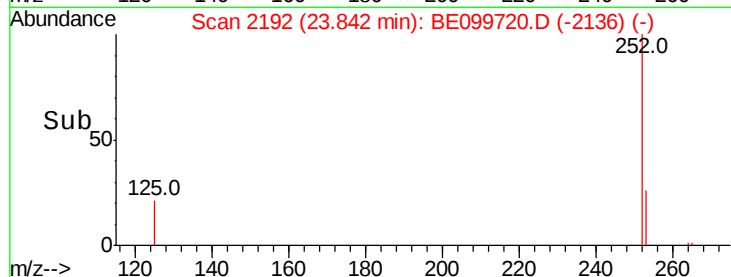
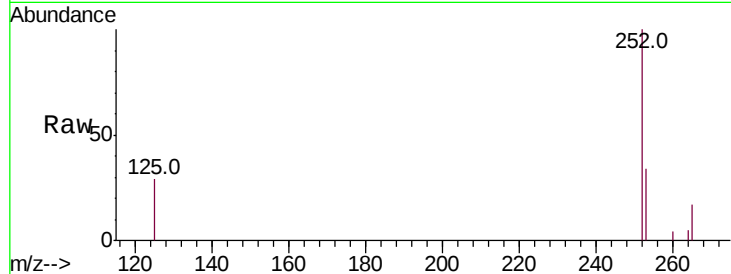
#37
Benzo(a)pyrene
Concen: 0.110 ng
RT: 23.84 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BE099720.D
Acq: 22 May 2019 15:07

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.7	18.9	28.3#
125	28.7	5.4	8.0#

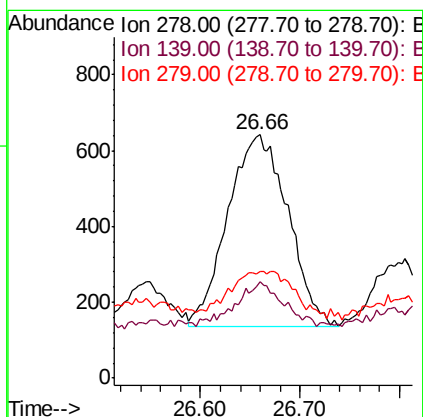
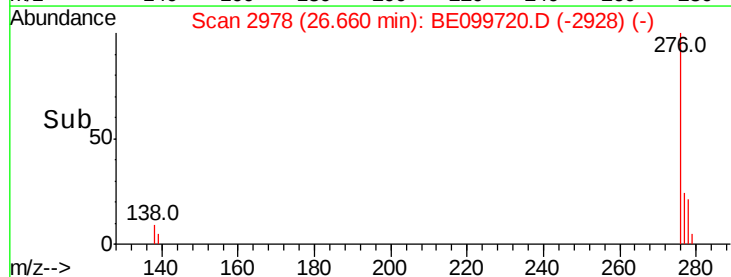
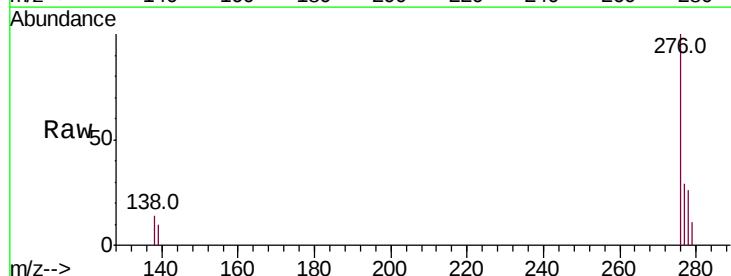
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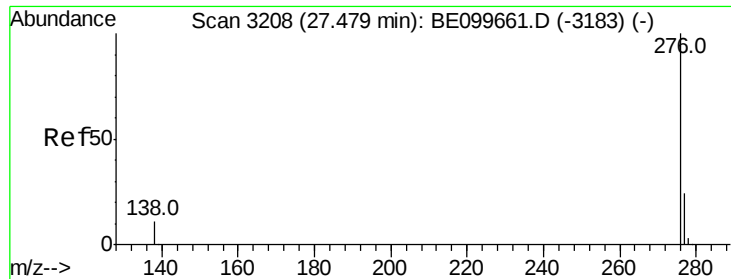
mohammad
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#38
Dibenzo(a,h)anthracene
Concen: 0.040 ng
RT: 26.66 min Scan# 2978
Delta R.T. -0.02 min
Lab File: BE099720.D
Acq: 22 May 2019 15:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	39.7	6.9	10.3#
279	44.1	19.2	28.8#





#39

Benzo(a,h,i)perylene

Concen: 0.187 ng

RT: 27.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BE099720.D

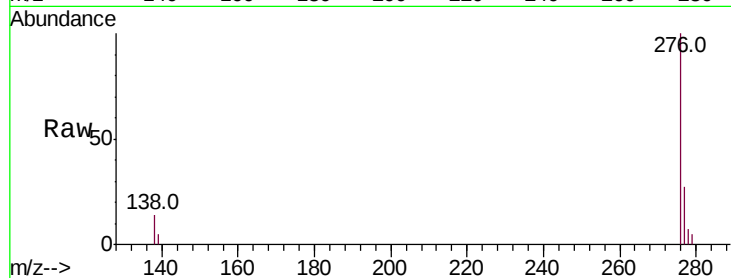
Acq: 22 May 2019 15:07

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)



Tot Ion: 276 Resp: 9909

Ion Ratio Lower Upper

276 100

277 27.0 19.8 29.6

138 13.6 9.2 13.8

Manual Integrations

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