

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052219\
 Data File : BE099718.D
 Acq On : 22 May 2019 13:55
 Operator : JU/SJ
 Sample : K2966-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-13(9.5-10)

Manual Integrations
 APPROVED

mohammad
 5/24/2019 8:47:58 AM

Quant Time: May 23 08:12:43 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	1528	0.40	ng	-0.01
7) Naphthalene-d8	10.61	136	5349	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	4276	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	12563	0.40	ng	0.00
27) Chrysene-d12	21.41	240	17713	0.40	ng	0.00
34) Perylene-d12	23.96	264	20853	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1357	0.35	ng	0.00
5) Phenol-d6	6.97	99	1940	0.38	ng	0.00
8) Nitrobenzene-d5	8.98	82	1598	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	3078	0.33	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	977	0.43	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4459	0.27	ng	0.00
25) Fluoranthene-d10	19.26	212	42604	0.25	ng	0.00
29) Terphenyl-d14	19.86	244	9468	0.30	ng	-0.01

Target Compounds				Qvalue		
9) Naphthalene	10.67	128	23315	0.408	ng	100
12) 2-Methylnaphthalene	12.30	142	1492	0.160	ng	# 92
16) Acenaphthylene	14.20	152	43760	2.196	ng	100
17) Acenaphthene	14.54	154	4171	0.373	ng	100
18) Fluorene	15.52	166	12731	0.773	ng	94
23) Phenanthrene	17.27	178	132539	4.317	ng	99
24) Anthracene	17.36	178	80615	2.896	ng	99
26) Fluoranthene	19.29	202	427353	8.805	ng	99
28) Pyrene	19.66	202	446250	10.027	ng	# 95
30) Benzo(a)anthracene	21.40	228	327955	6.516	ng	92
31) Chrysene	21.45	228	264807	4.921	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	46694	0.805	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.64	276	244184	3.758	ng	# 97
35) Benzo(b)fluoranthene	23.17	252	408042	7.141	ng	99
36) Benzo(k)fluoranthene	23.22	252	131663m	2.210	ng	
37) Benzo(a)pyrene	23.84	252	338875	6.163	ng	98
38) Dibenzo(a,h)anthracene	26.67	278	63206	1.095	ng	# 91
39) Benzo(a,h,i)perylene	27.49	276	236091	4.049	ng	99

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

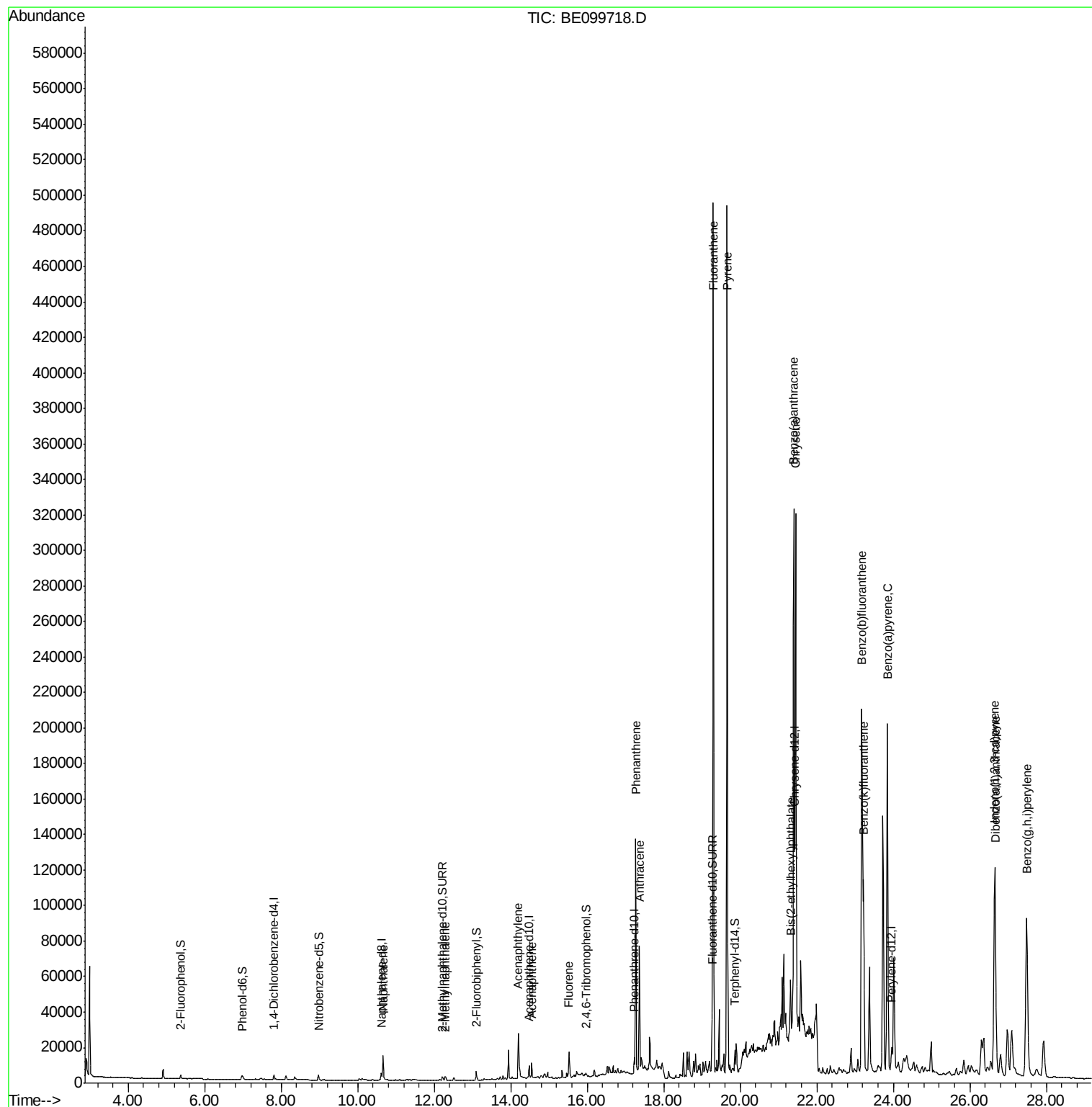
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052219\
Data File : BE099718.D
Acq On : 22 May 2019 13:55
Operator : JU/SJ
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QLast Update : Mon May 20 19:29:40 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099718.D

Acq: 22 May 2019 13:55

Instrument :

BNA_E

ClientSampleId :

FESB-13(9.5-10)

Tot Ion:152 Resp: 1528

Ion Ratio Lower Upper

152 100

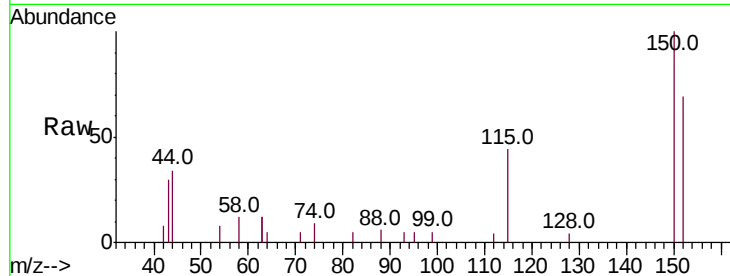
150 145.1 109.2 163.8

115 64.5 43.7 65.5

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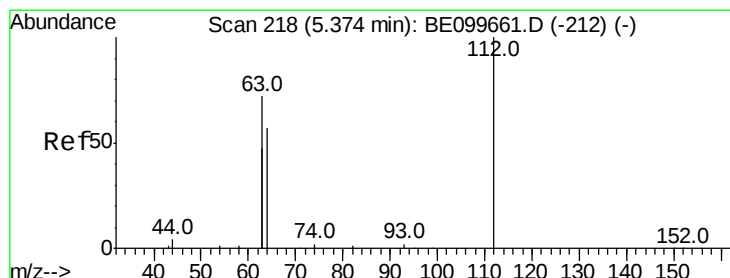
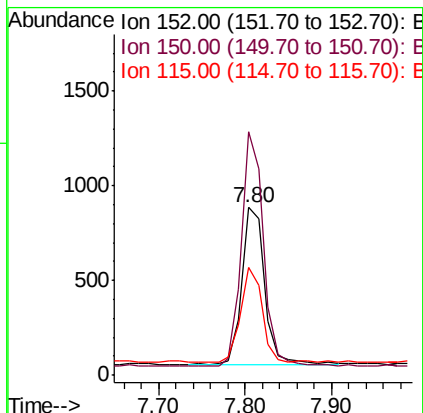
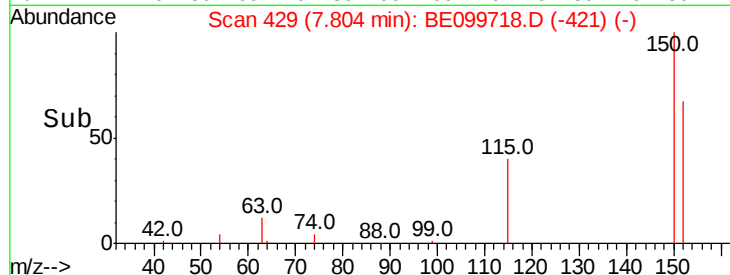
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.351 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099718.D

Acq: 22 May 2019 13:55

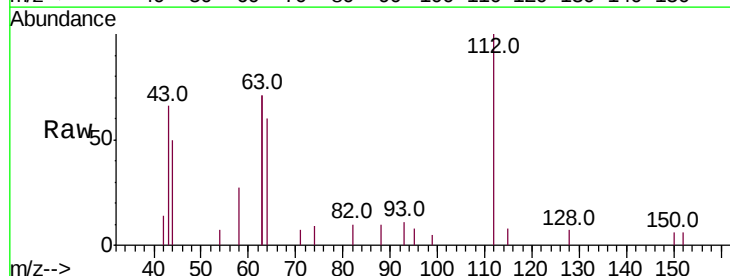
Tgt Ion:112 Resp: 1357

Ion Ratio Lower Upper

112 100

64 55.6 43.4 65.2

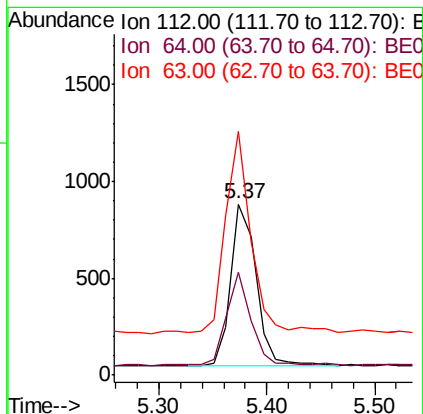
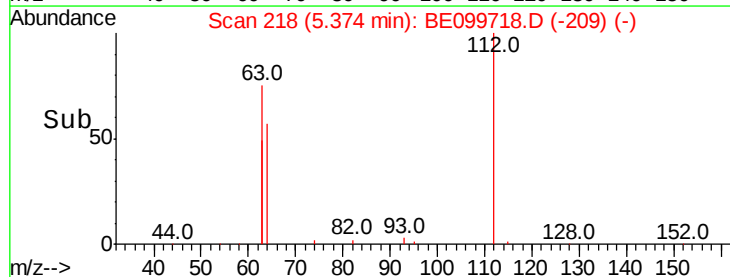
63 129.5 96.9 145.3

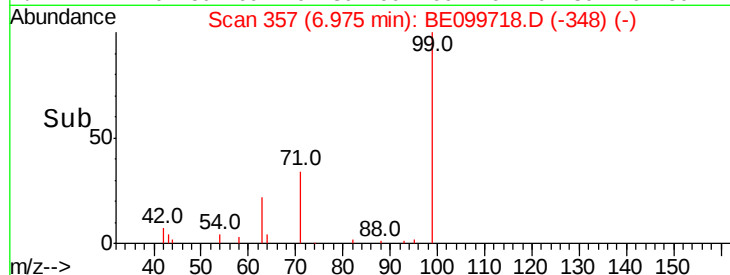
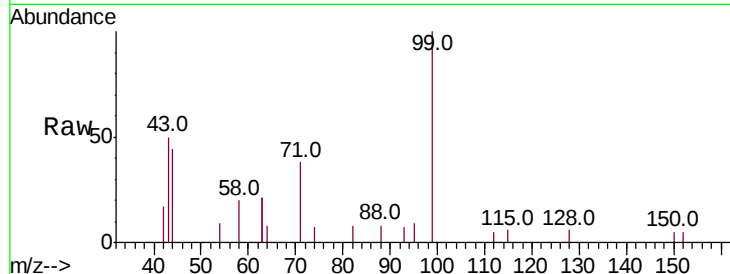
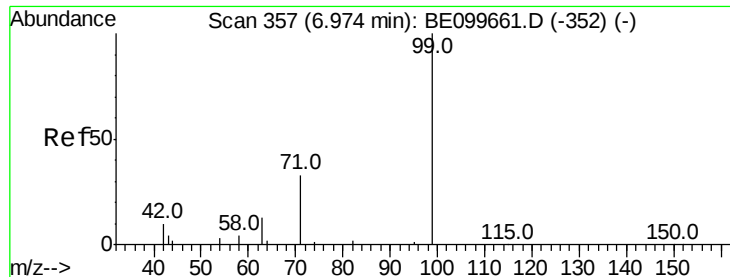


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.380 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099718.D

Acq: 22 May 2019 13:55

Tot Ion:	99	Resp:	1940
Ion	Ratio	Lower	Upper
99	100		
42	17.0	12.2	18.2
71	41.3	28.9	43.3

Instrument :

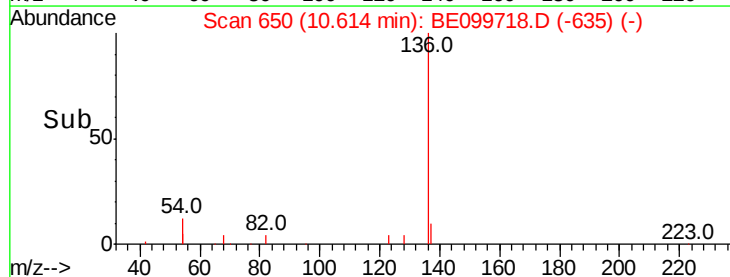
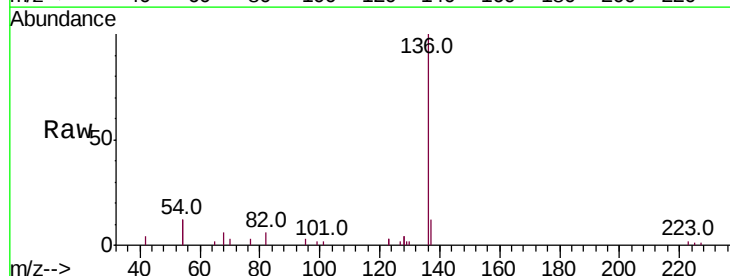
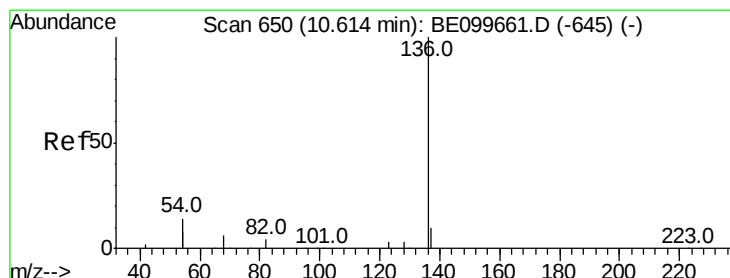
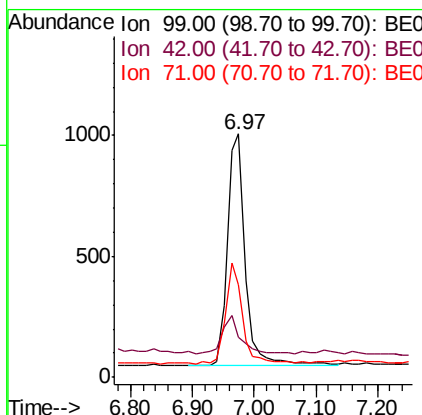
BNA_E

ClientSampled :

FESB-13(9.5-10)

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#7

Naphthalene-d8

Concen: 0.400 ng

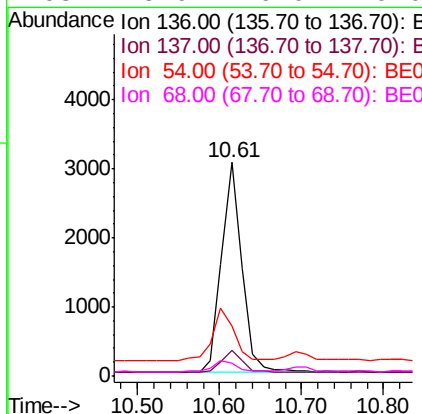
RT: 10.61 min Scan# 650

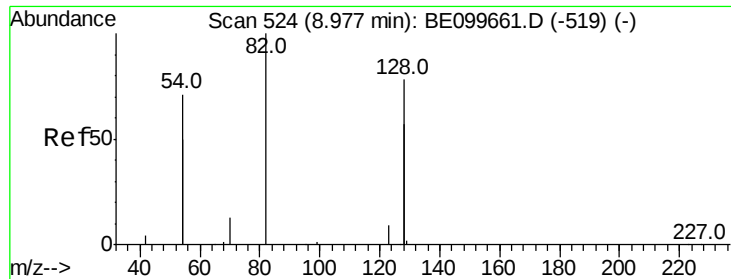
Delta R.T. 0.00 min

Lab File: BE099718.D

Acq: 22 May 2019 13:55

Tgt Ion:	136	Resp:	5349
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.6
54	23.6	22.3	33.5
68	5.9	6.0	9.0#





#8

Nitrobenzene-d5

Concen: 0.345 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099718.D

Acq: 22 May 2019 13:55

Instrument :

BNA_E

ClientSampleId :

FESB-13(9.5-10)

Tot Ion: 82 Resp: 1598

Ion Ratio Lower Upper

82 100

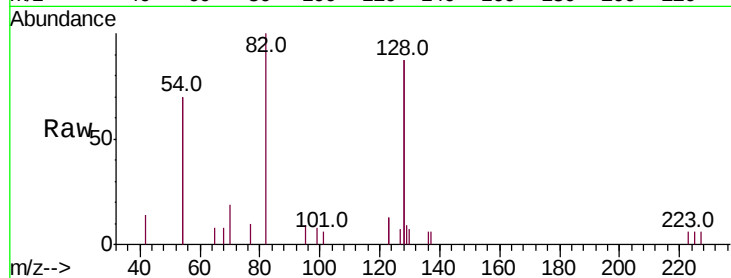
128 174.6 117.7 176.5

54 139.1 106.6 160.0

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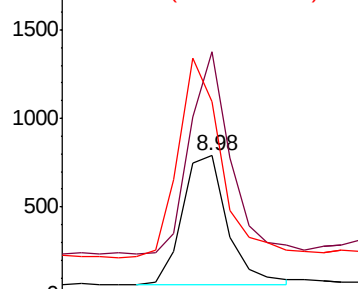
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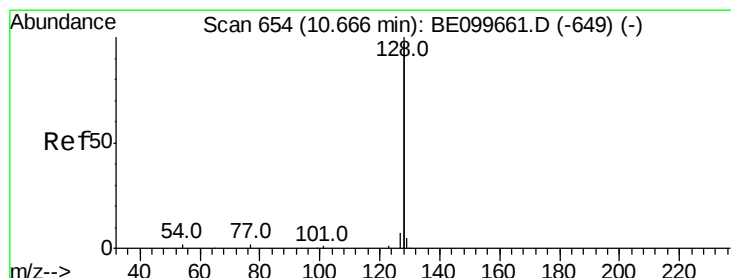
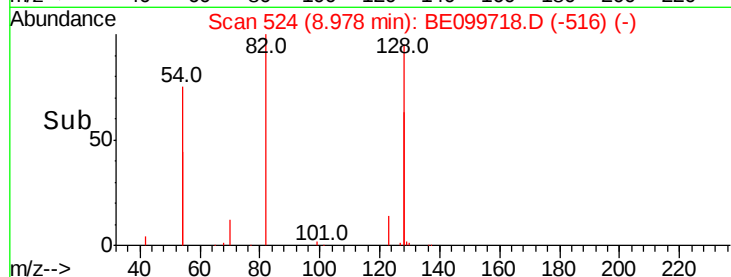
Abundance Ion 82.00 (81.70 to 82.70): BE099718.D (-516) (-)

Ion 128.00 (127.70 to 128.70): BE099718.D (-516) (-)

Ion 54.00 (53.70 to 54.70): BE099718.D (-516) (-)



Time-->



#9

Naphthalene

Concen: 0.408 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099718.D

Acq: 22 May 2019 13:55

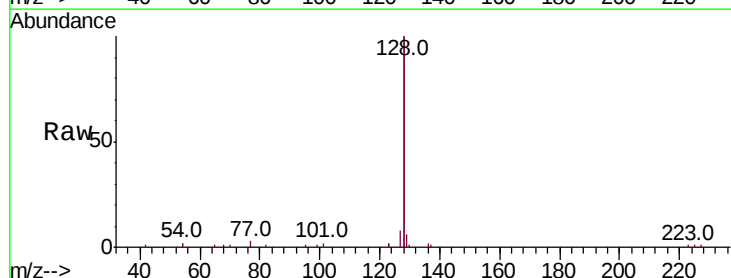
Tgt Ion: 128 Resp: 23315

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

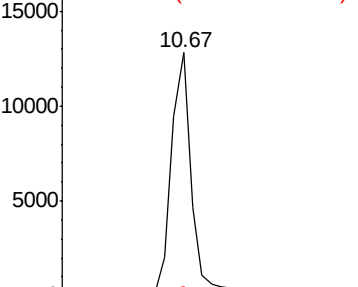
127 3.8 2.9 4.3



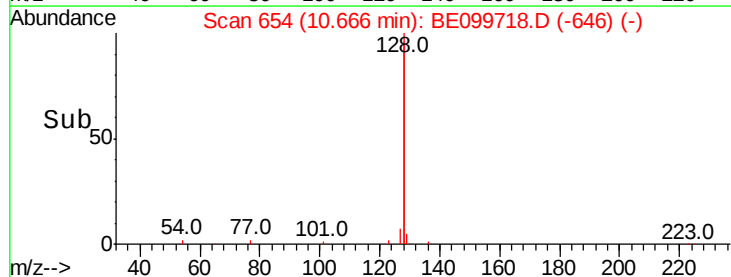
Abundance Ion 128.00 (127.70 to 128.70): BE099718.D (-646) (-)

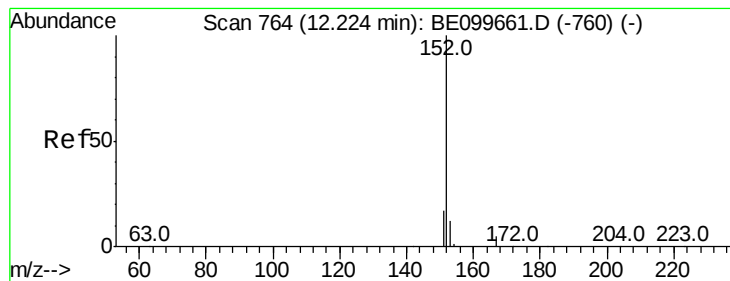
Ion 129.00 (128.70 to 129.70): BE099718.D (-646) (-)

Ion 127.00 (126.70 to 127.70): BE099718.D (-646) (-)



Time-->





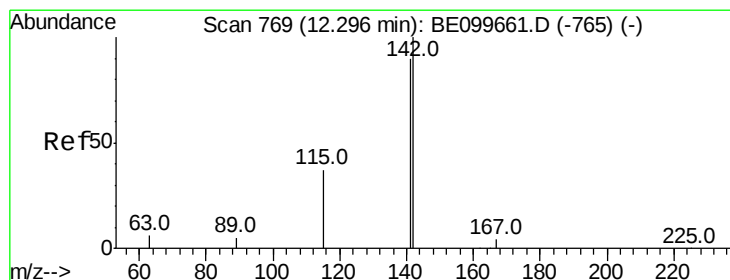
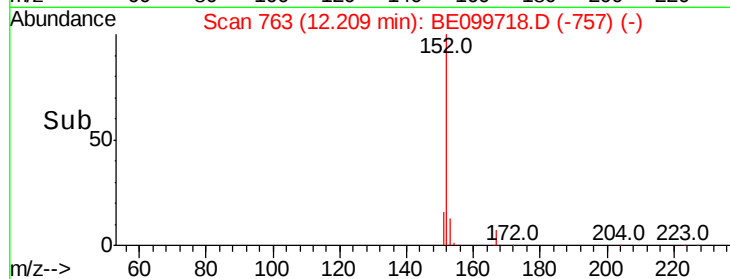
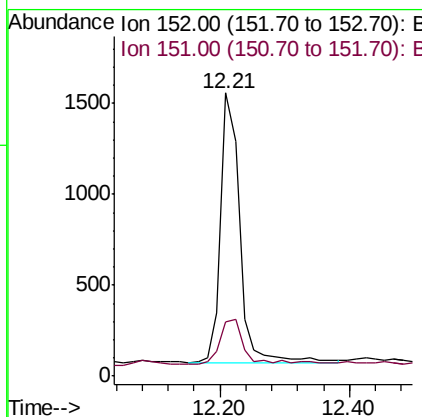
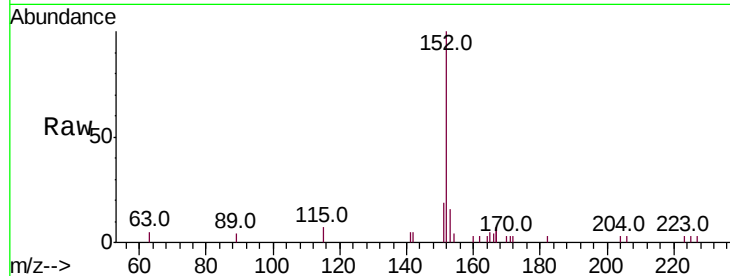
#11
 2-Methylnaphthalene-d10
 Concen: 0.333 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BE099718.D
 Acq: 22 May 2019 13:55

Instrument :
 BNA_E
 ClientSampleId :
 FESB-13(9.5-10)

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.0	22.4

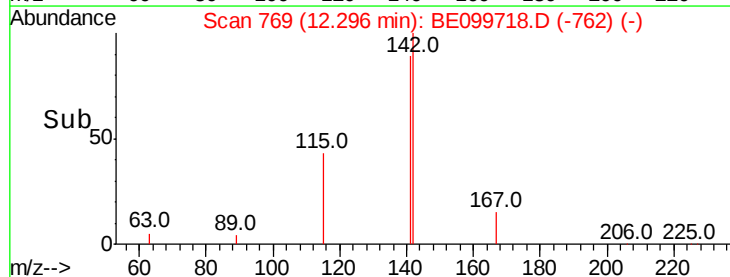
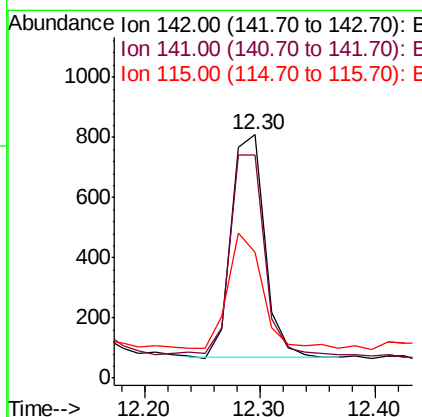
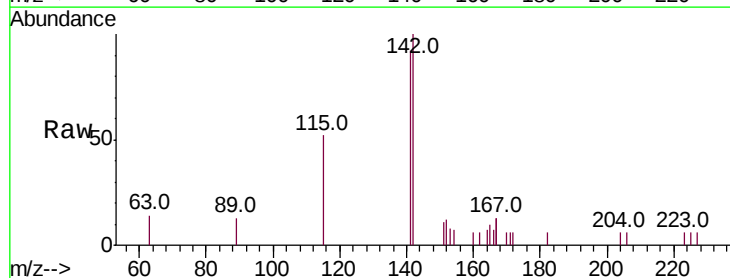
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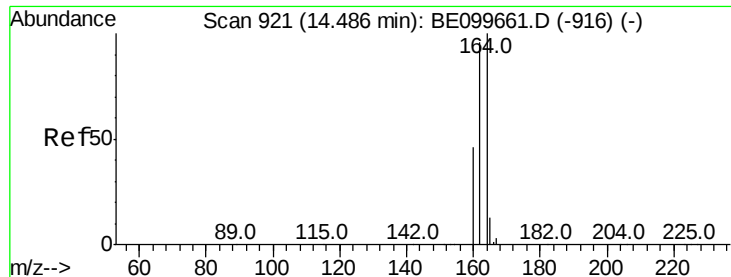
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#12
 2-Methylnaphthalene
 Concen: 0.160 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE099718.D
 Acq: 22 May 2019 13:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.0	108.0
115	51.8	31.0	46.4





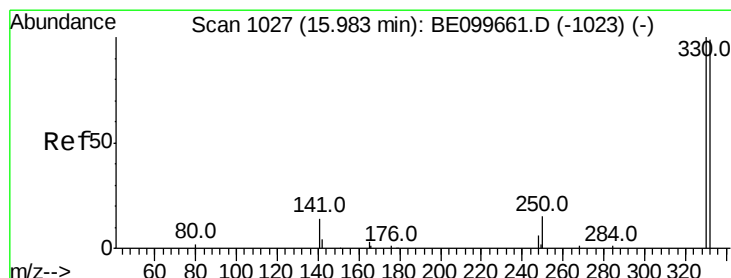
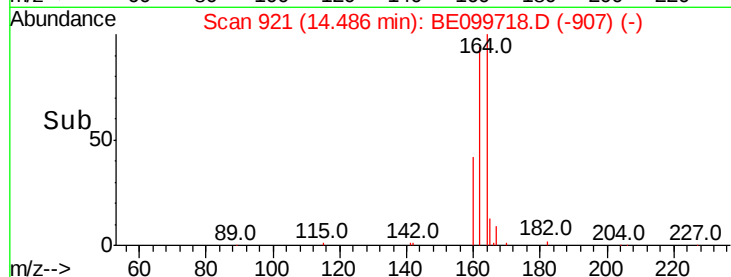
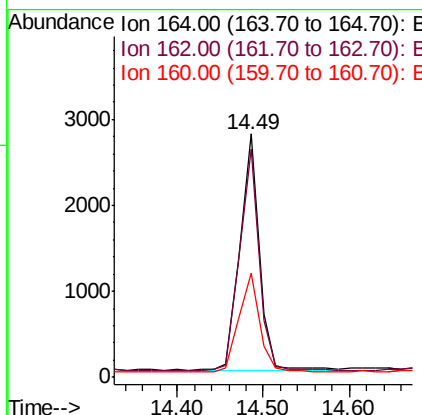
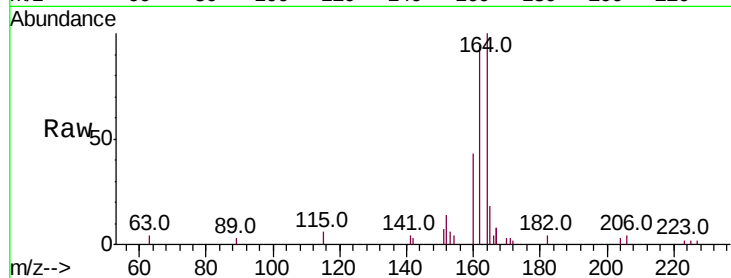
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Instrument :
BNA_E
ClientSampleId :
FESB-13(9.5-10)

Tot Ion	Ratio	Lower	Upper
164	100		
162	93.8	76.5	114.7
160	42.9	37.4	56.2

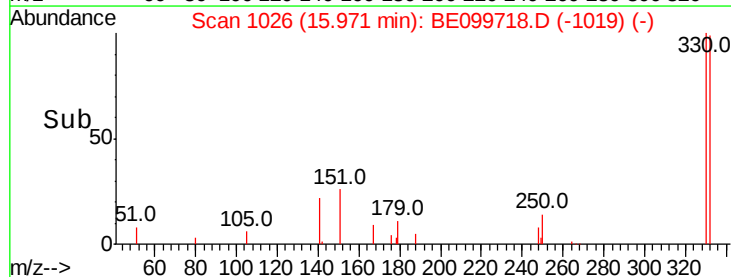
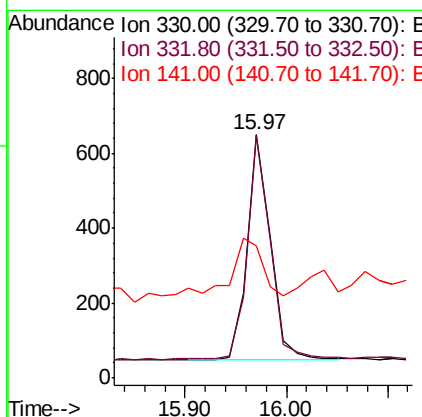
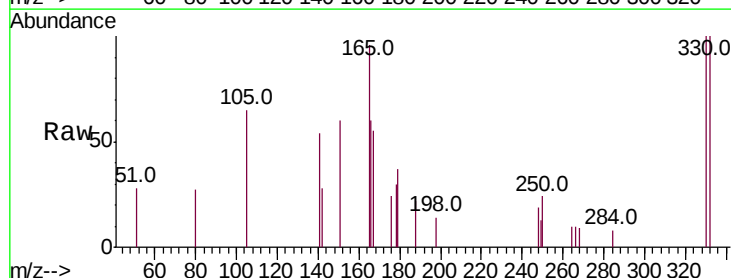
Manual Integrations
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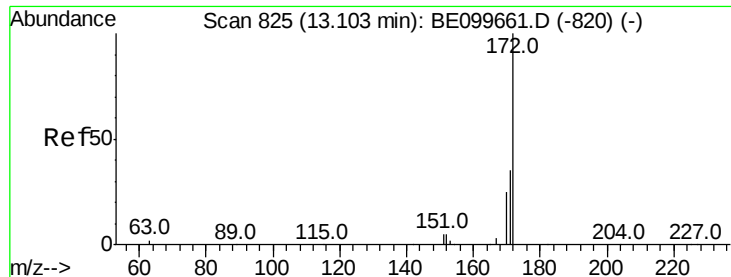
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#14
2,4,6-Tribromophenol
Concen: 0.430 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.3	115.9
141	30.2	18.9	28.3





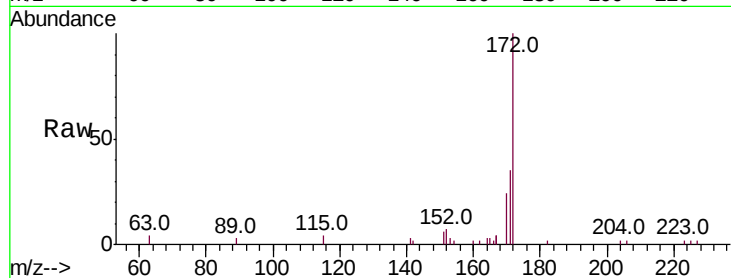
#15
2-Fluorobiphenyl
Concen: 0.275 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Instrument :
BNA_E
ClientSampleId :
FESB-13(9.5-10)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.7	43.1
170	24.2	20.9	31.3

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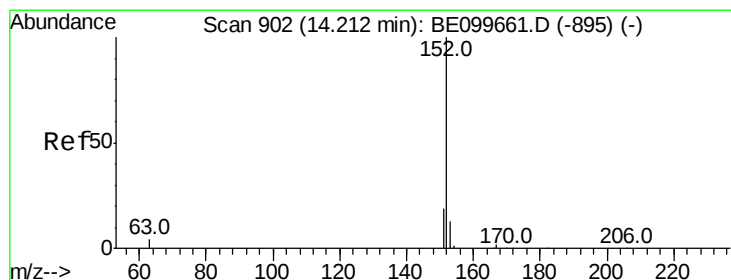
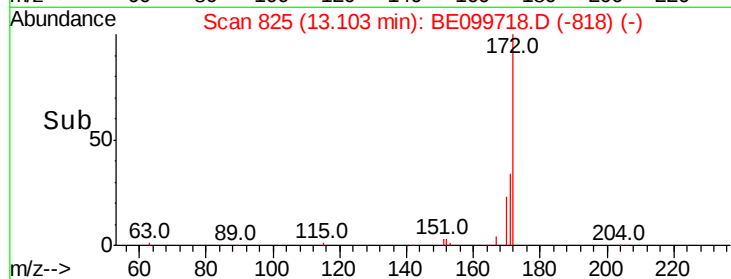
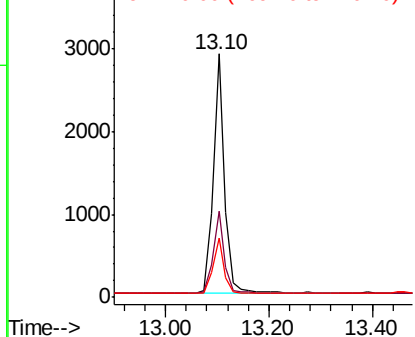


Abundance

Ion 172.00 (171.70 to 172.70): E

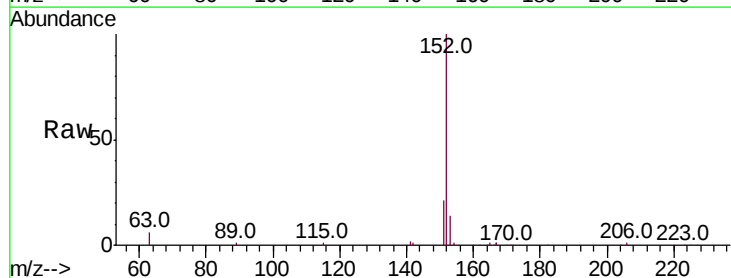
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 2.196 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.4	10.6	16.0

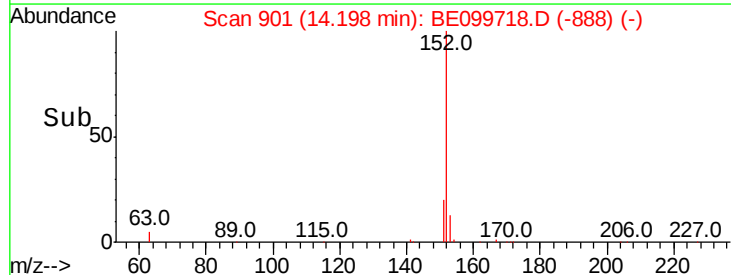
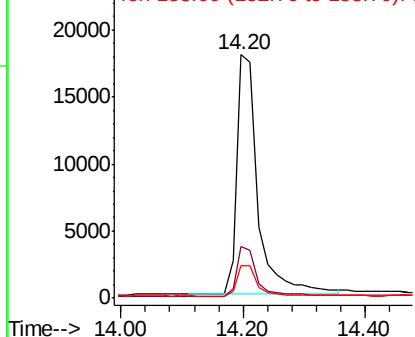


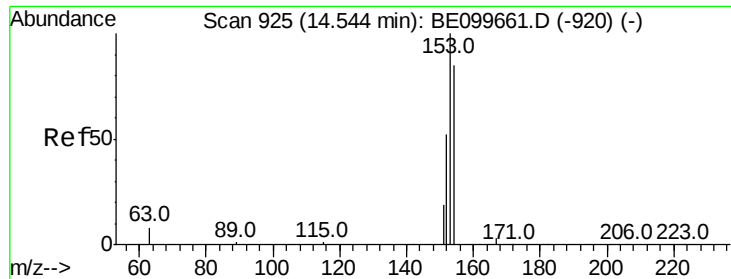
Abundance

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





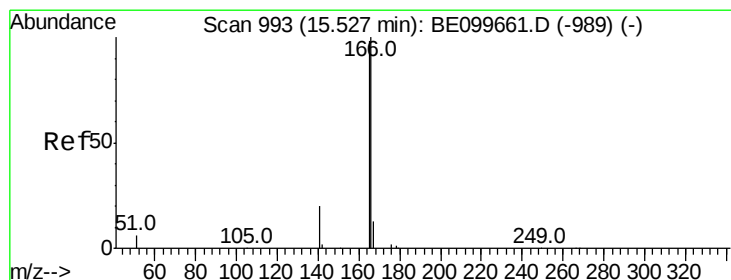
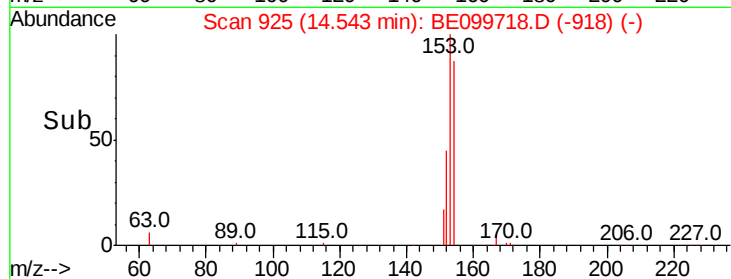
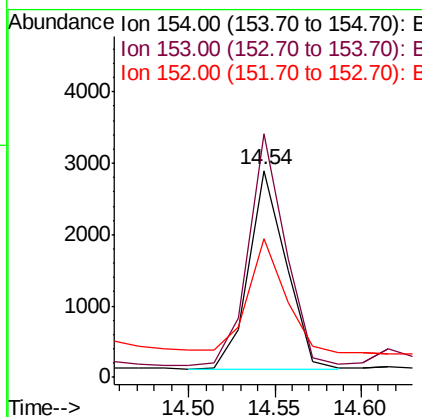
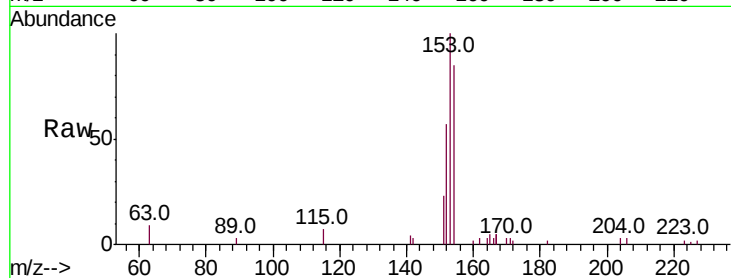
#17
Acenaphthene
Concen: 0.373 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Instrument :
BNA_E
ClientSampleId :
FESB-13(9.5-10)

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.8	137.6
152	57.5	46.0	69.0

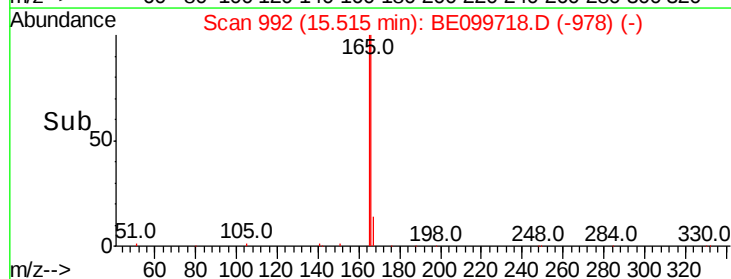
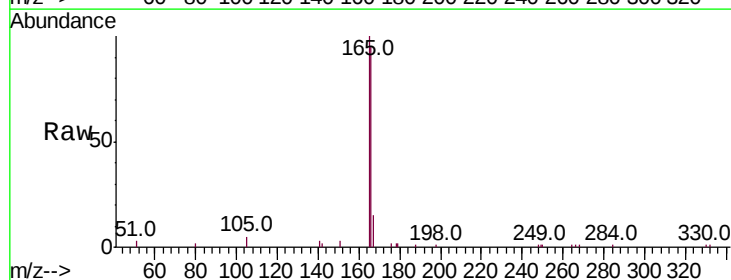
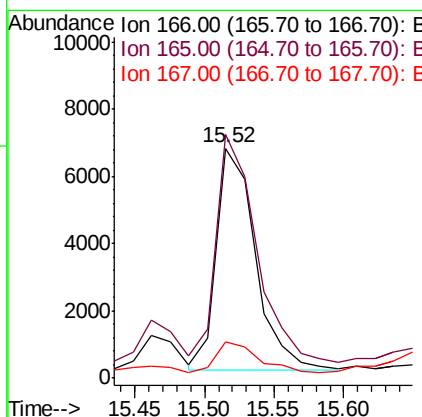
Manual Integrations
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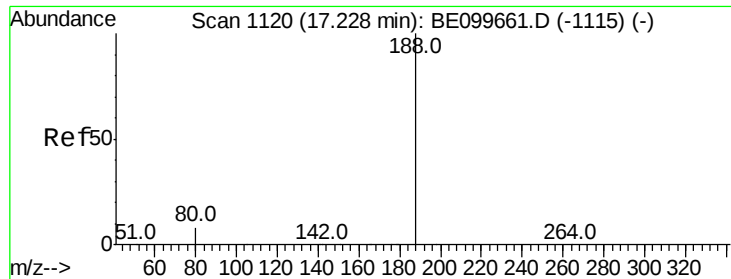
mohammad
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#18
Fluorene
Concen: 0.773 ng
RT: 15.52 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.5	80.3	120.5
167	14.9	10.6	16.0





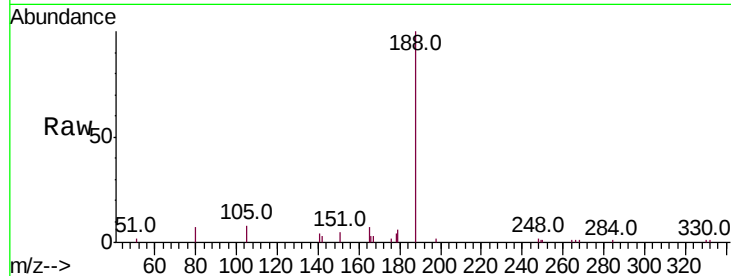
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Instrument :
BNA_E
ClientSampleId :
FESB-13(9.5-10)

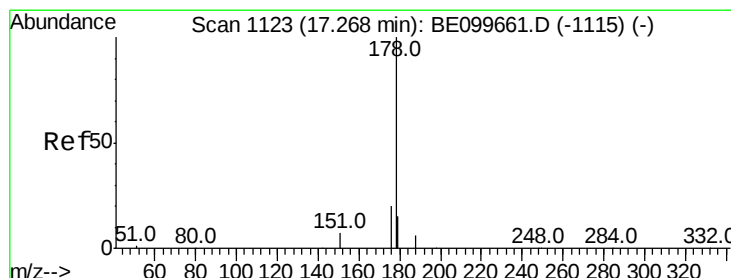
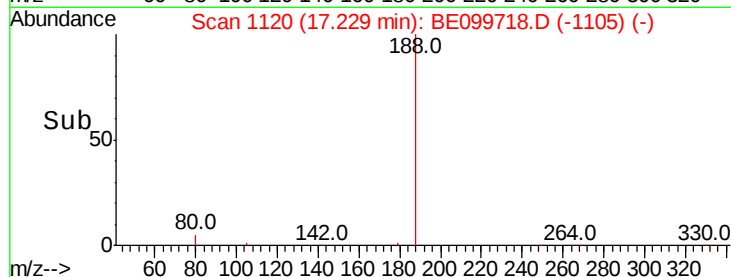
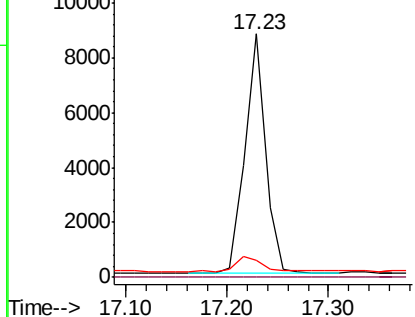
Tot Ion	Ratio	Resp	Lower	Upper
188	100	12563		
94	0.0	0.0	0.0	0.0
80	7.2	6.7	10.1	

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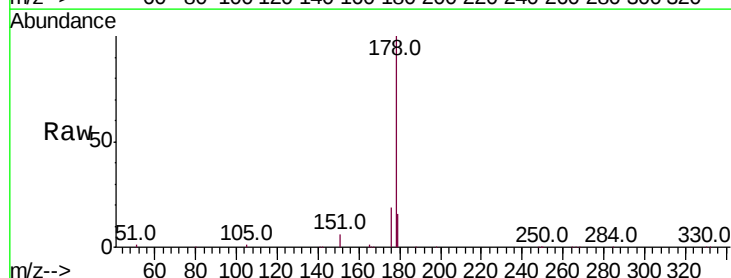


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

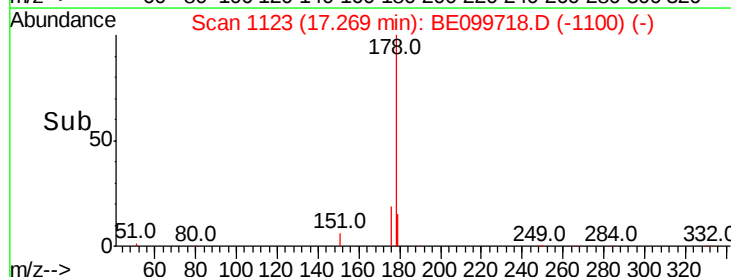
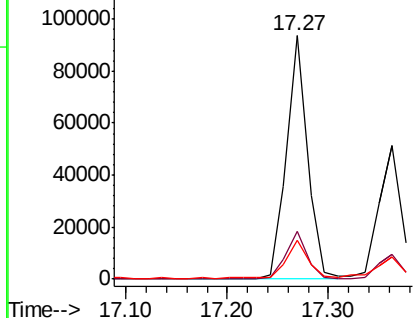


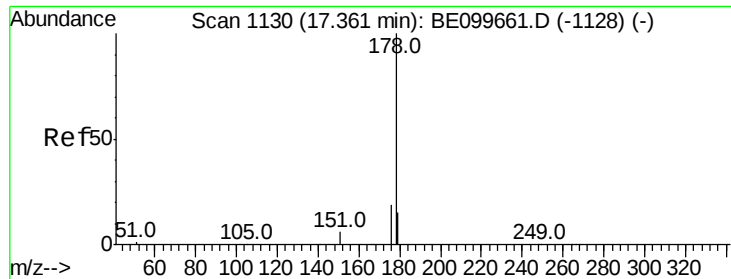
#23
Phenanthrene
Concen: 4.317 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	132539		
176	19.2	15.6	23.4	
179	15.8	12.2	18.4	



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





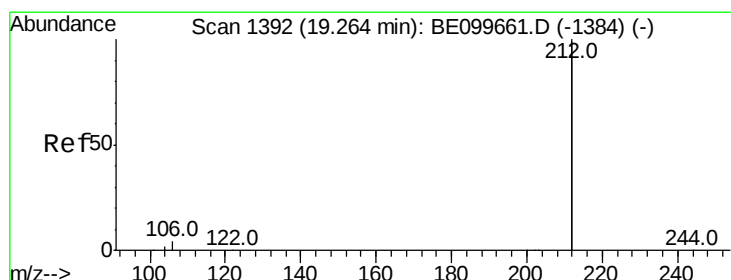
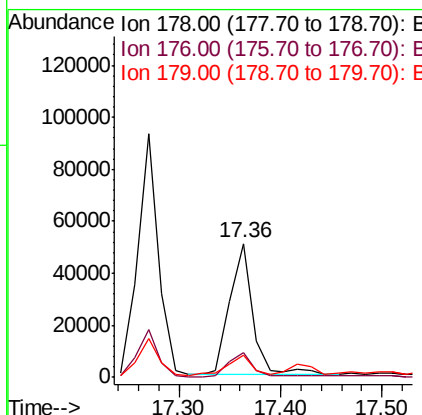
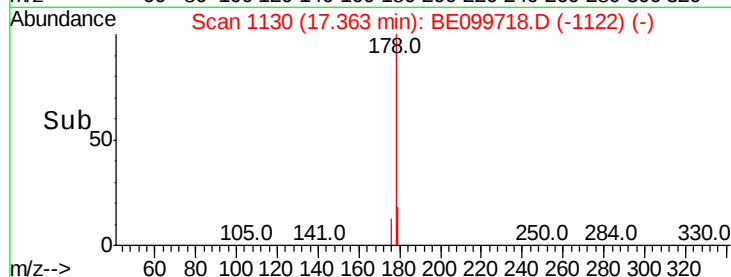
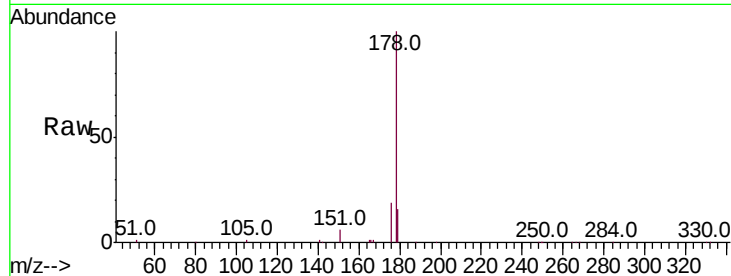
#24
 Anthracene
 Concen: 2.896 ng
 RT: 17.36 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: BE099718.D
 Acq: 22 May 2019 13:55

Instrument :
 BNA_E
 ClientSampleId :
 FESB-13(9.5-10)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.7	12.0	18.0

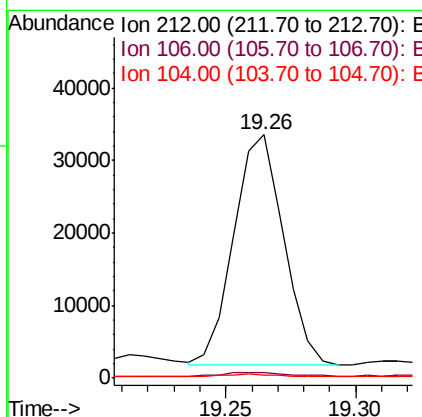
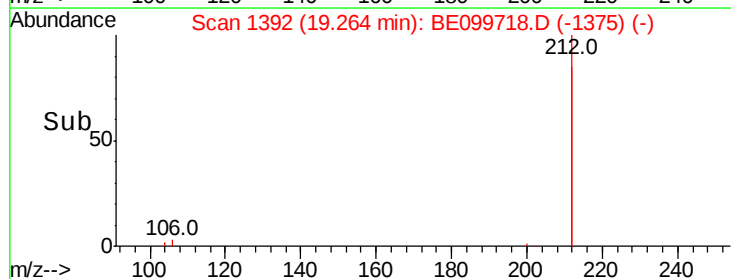
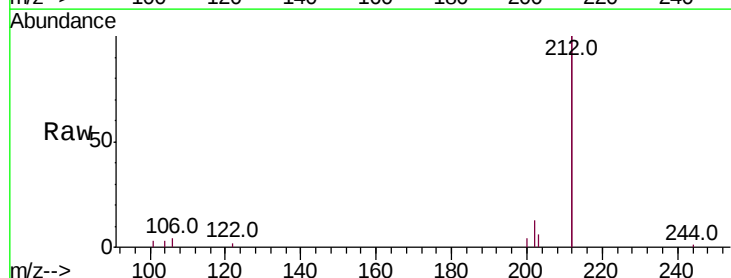
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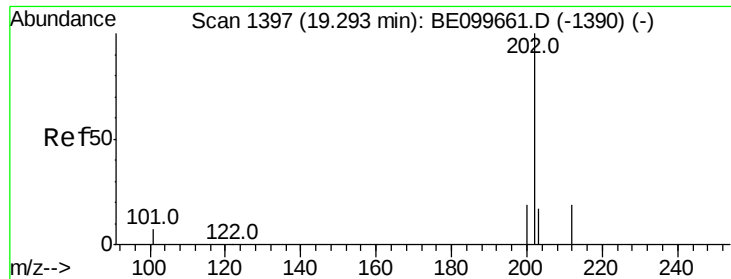
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.248 ng
 RT: 19.26 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: BE099718.D
 Acq: 22 May 2019 13:55

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.4	2.2
104	1.2	0.8	1.2





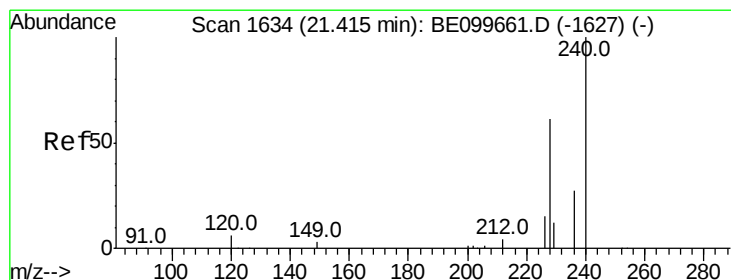
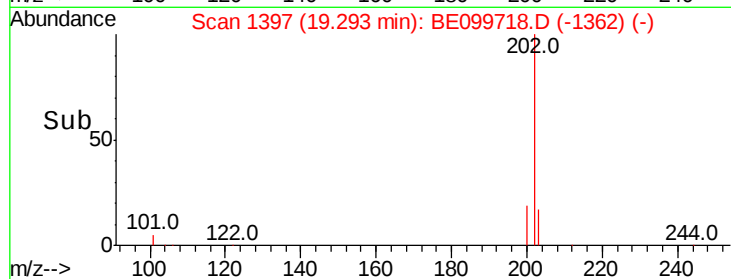
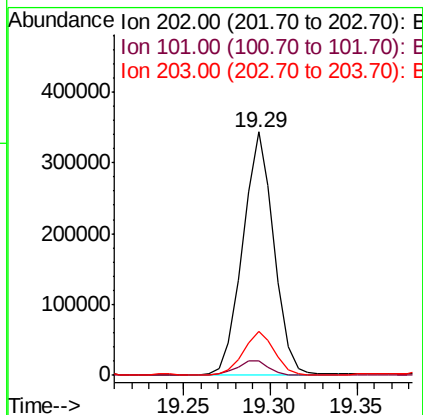
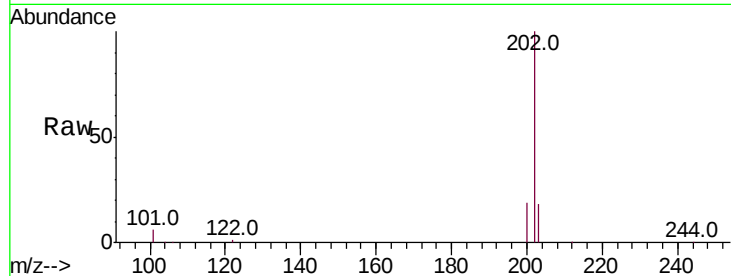
#26
Fluoranthene
Concen: 8.805 ng
RT: 19.29 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Instrument :
BNA_E
ClientSampleId :
FESB-13(9.5-10)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	427353		
101	6.1		5.2	7.8
203	17.7		13.8	20.6

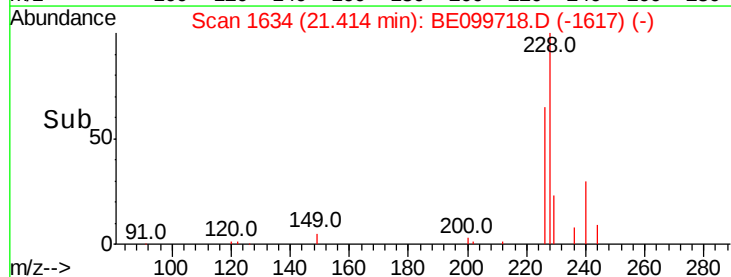
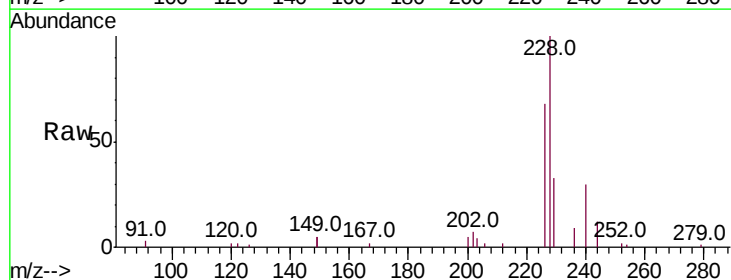
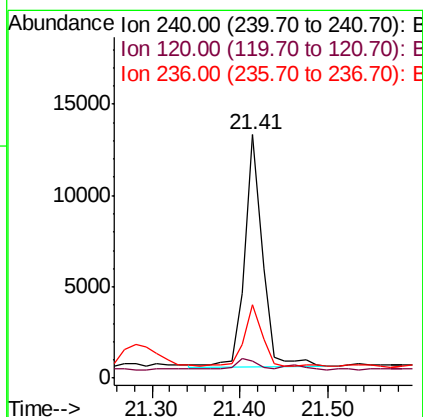
Manual Integrations
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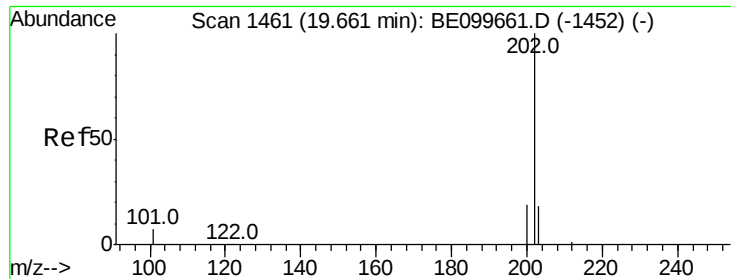
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	17713		
120	7.1		5.4	8.0
236	30.4		21.7	32.5





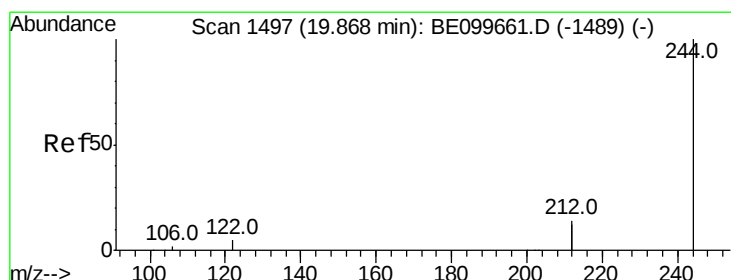
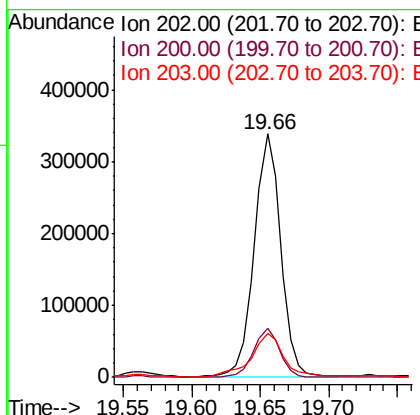
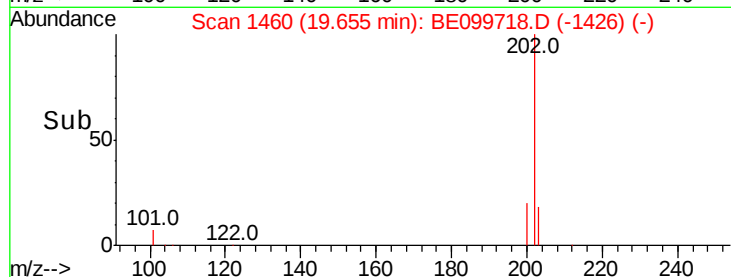
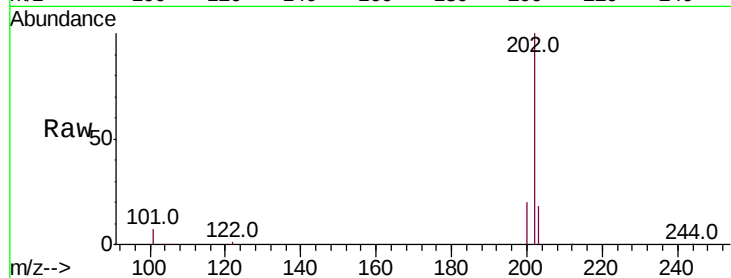
#28
Pvrene
Concen: 10.027 ng
RT: 19.66 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Instrument :
BNA_E
ClientSampleId :
FESB-13(9.5-10)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.9	15.4	23.2
203	21.3	13.8	20.8

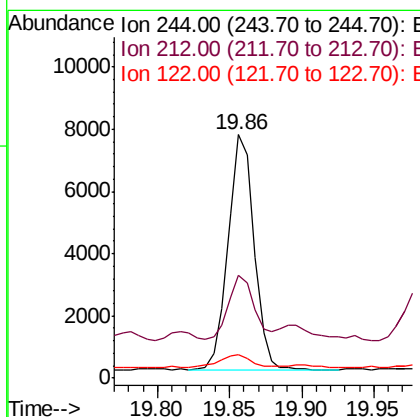
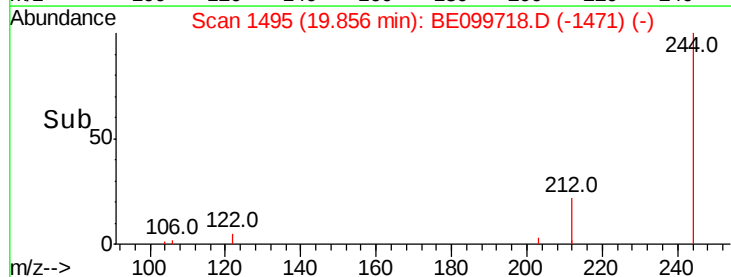
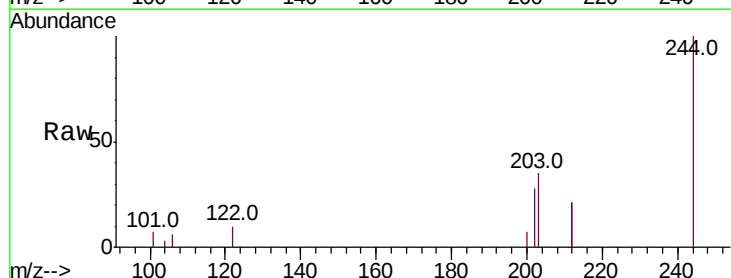
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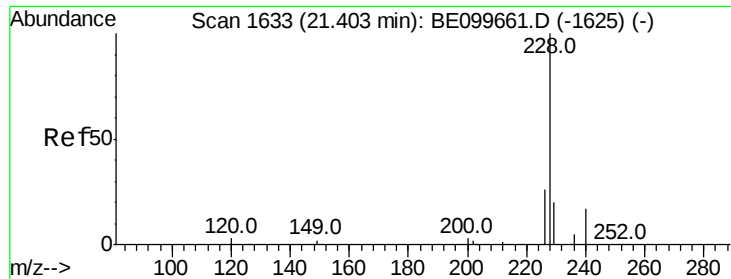
mohammad
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#29
Terphenyl-d14
Concen: 0.299 ng
RT: 19.86 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	42.1	22.5	33.7
122	9.5	4.3	6.5





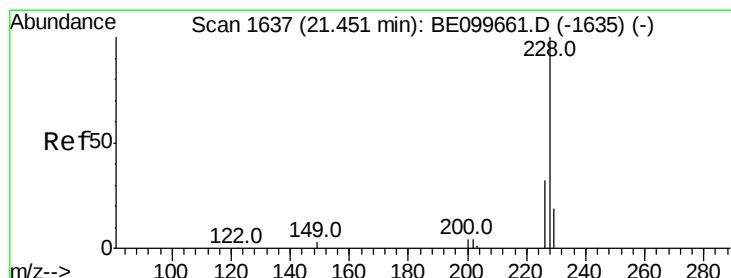
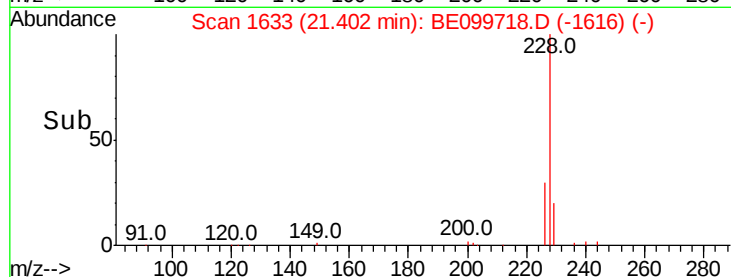
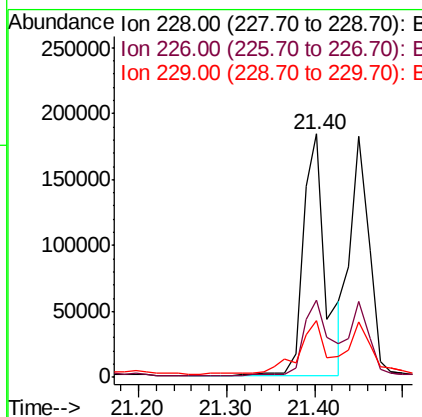
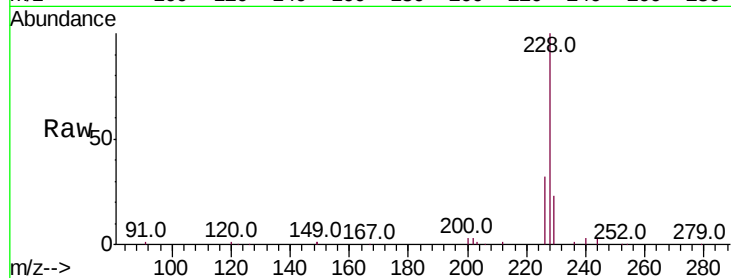
#30
Benzo(a)anthracene
Concen: 6.516 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Instrument :
BNA_E
ClientSampleId :
FESB-13(9.5-10)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	21.3	31.9
229	23.1	16.1	24.1

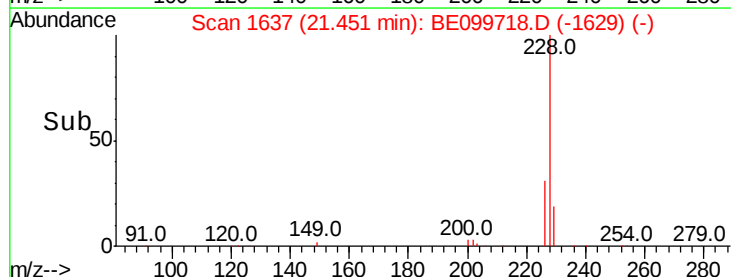
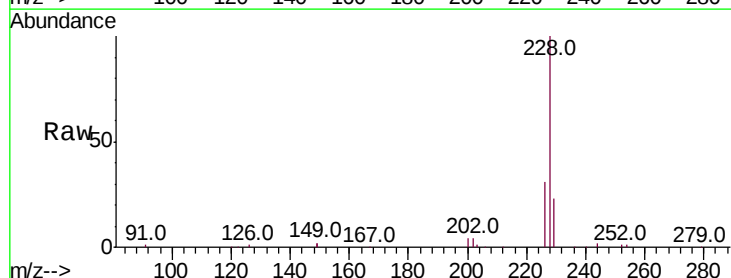
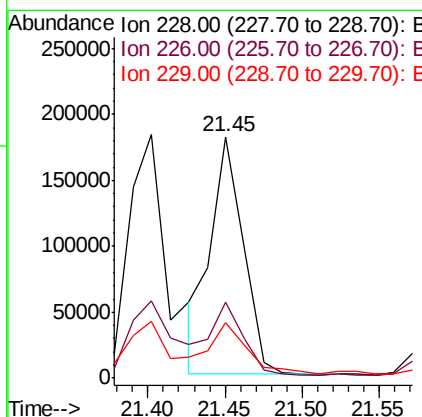
Manual Integrations
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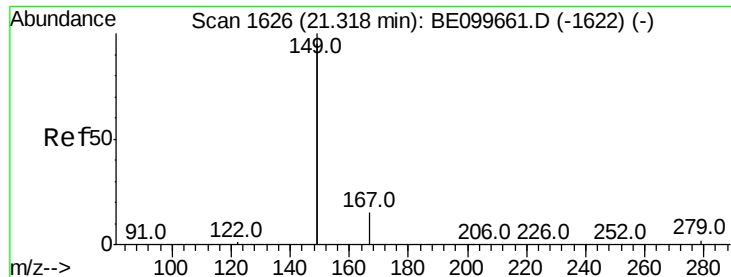
mohammad
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#31
Chrysene
Concen: 4.921 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.00 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.7	37.1
229	23.1	15.8	23.6





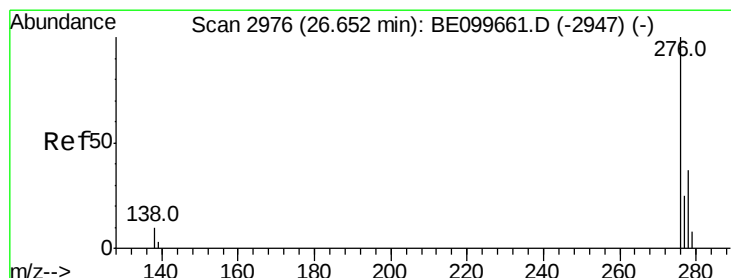
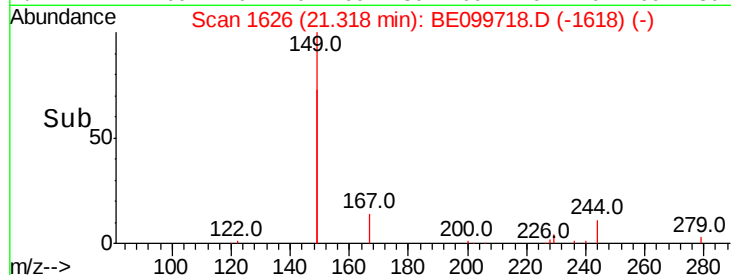
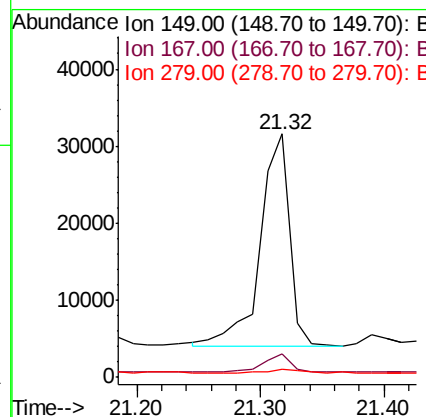
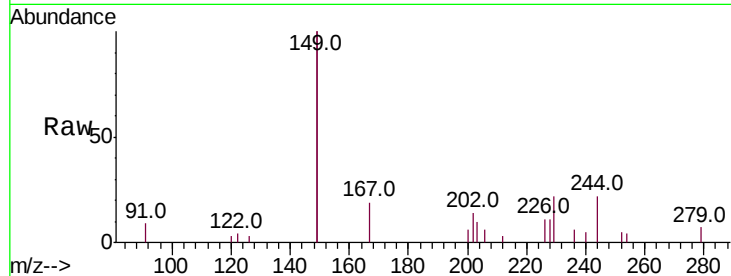
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.805 ng
 RT: 21.32 min Scan# 1626
 Delta R.T. -0.00 min
 Lab File: BE099718.D
 Acq: 22 May 2019 13:55

Instrument :
 BNA_E
 ClientSampleId :
 FESB-13(9.5-10)

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.2	6.2	9.4
279	1.8	1.2	1.8#

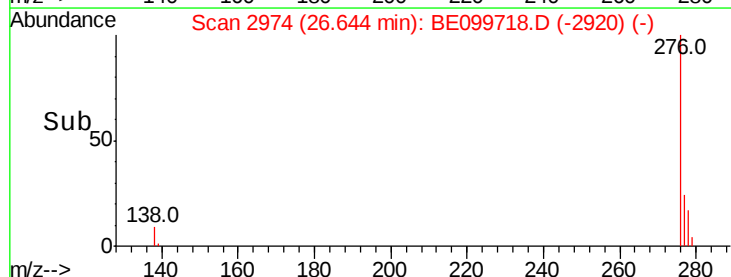
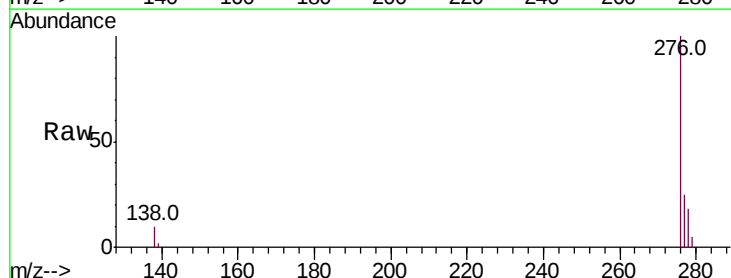
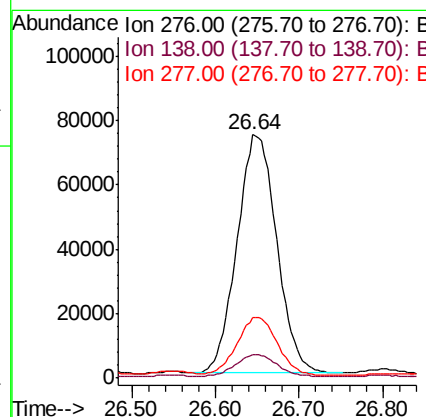
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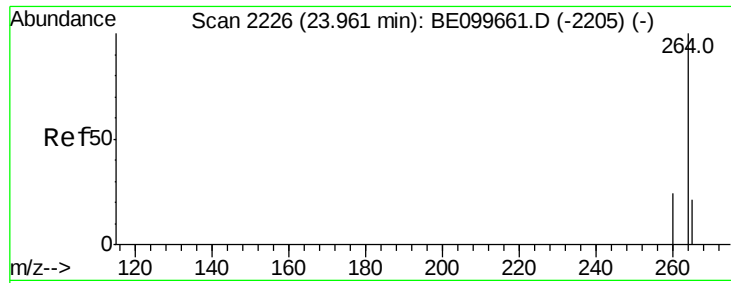
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 3.758 ng
 RT: 26.64 min Scan# 2974
 Delta R.T. -0.01 min
 Lab File: BE099718.D
 Acq: 22 May 2019 13:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.6	9.6	14.4#
277	25.0	19.2	28.8





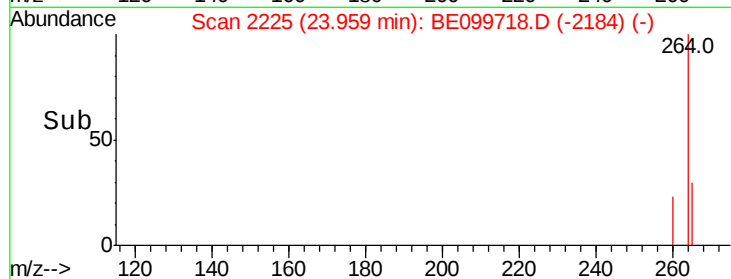
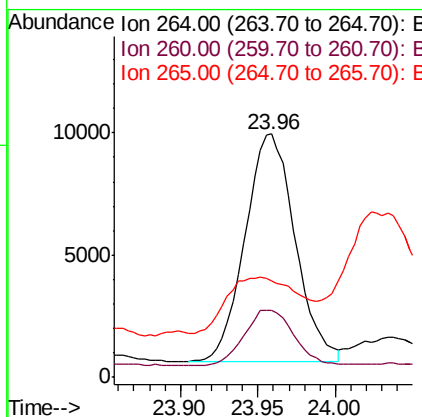
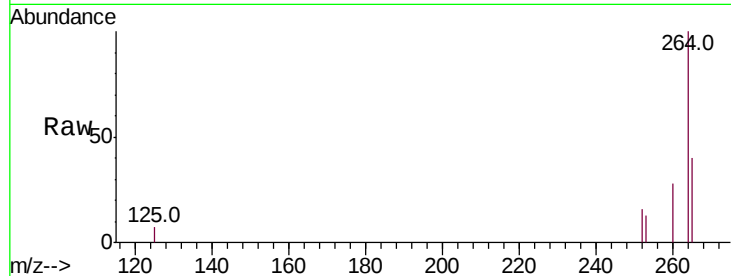
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Instrument :
BNA_E
ClientSampled :
FESB-13(9.5-10)

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.5	19.6	29.4
265	39.8	19.1	28.7

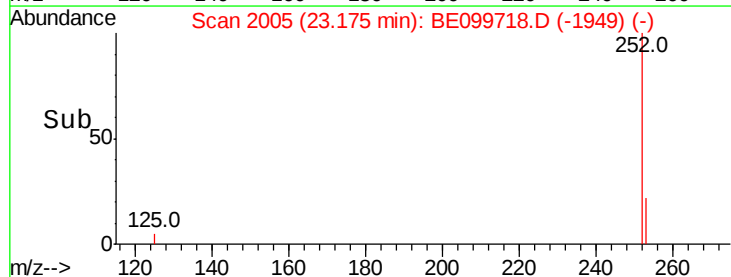
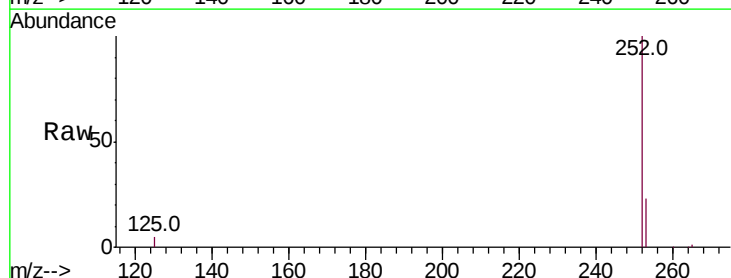
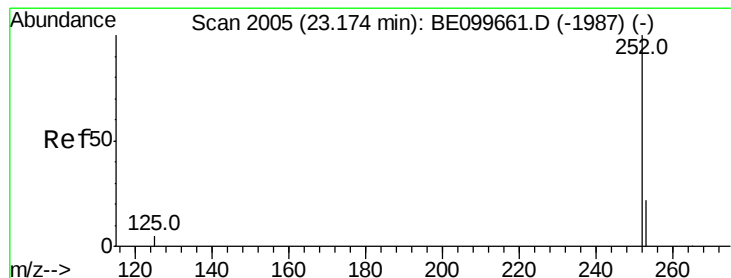
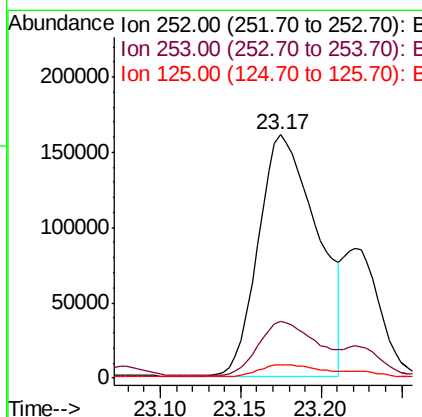
Manual Integrations
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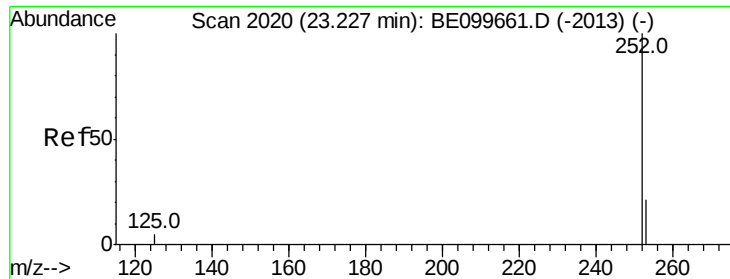
mohammad
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#35
Benzo(b)fluoranthene
Concen: 7.141 ng
RT: 23.17 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	5.4	4.5	6.7





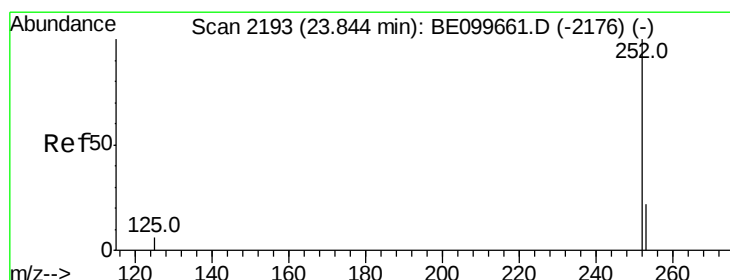
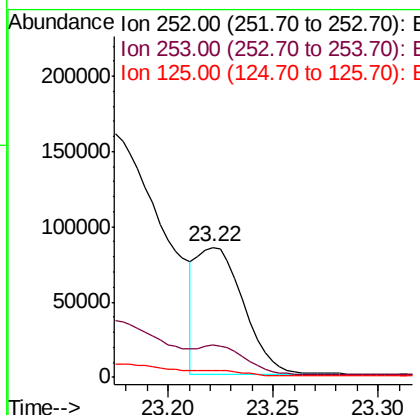
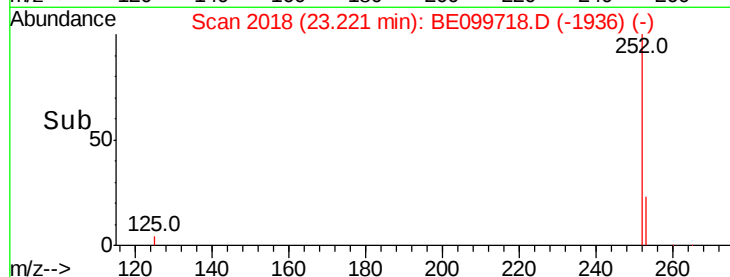
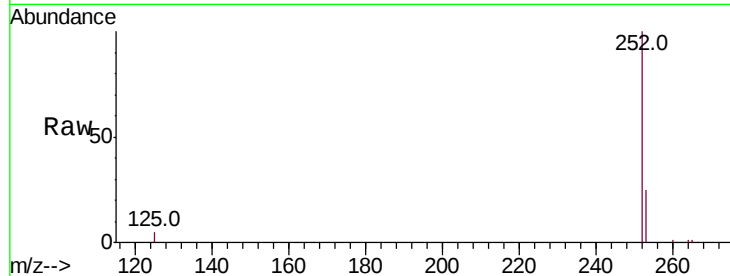
#36
Benzo(k)fluoranthene
Concen: 2.210 ng m
RT: 23.22 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Instrument :
BNA_E
ClientSampleId :
FESB-13(9.5-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	5.4	4.6	6.8

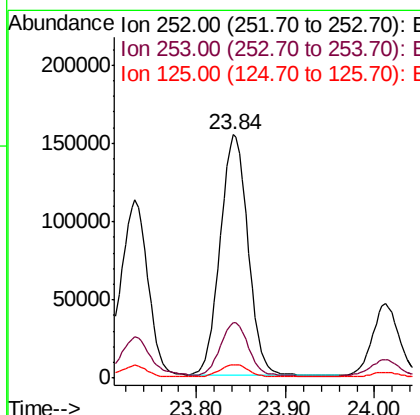
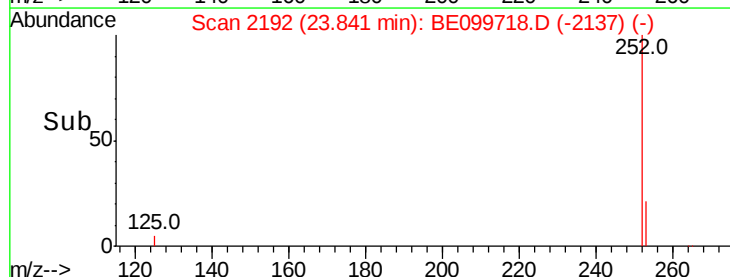
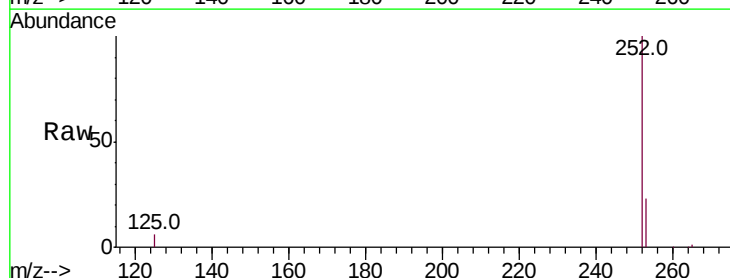
Manual Integrations
APPROVED

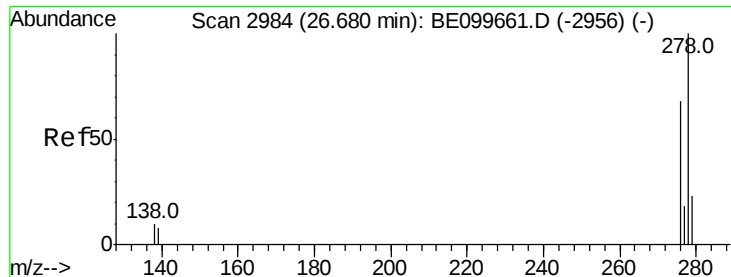
mohammad
5/24/2019 8:47:58 AM



#37
Benzo(a)pyrene
Concen: 6.163 ng
RT: 23.84 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.9	28.3
125	5.5	5.4	8.0





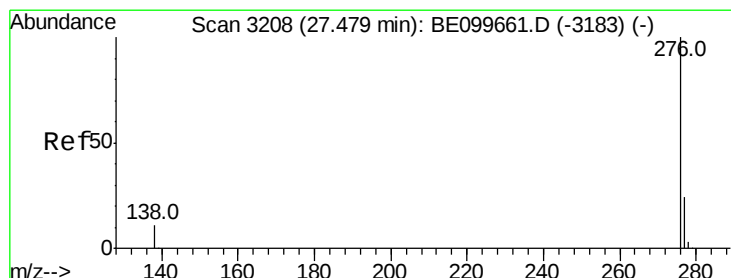
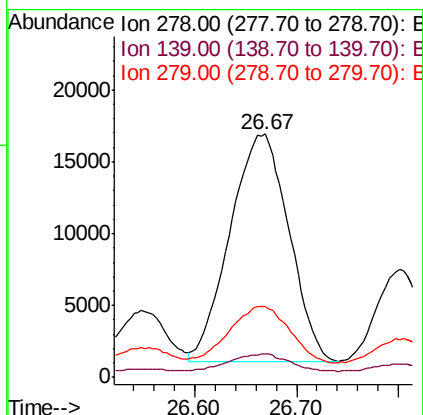
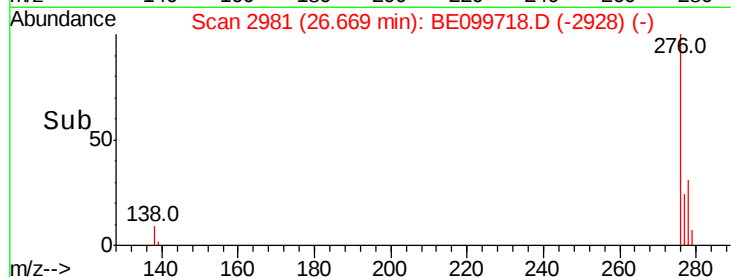
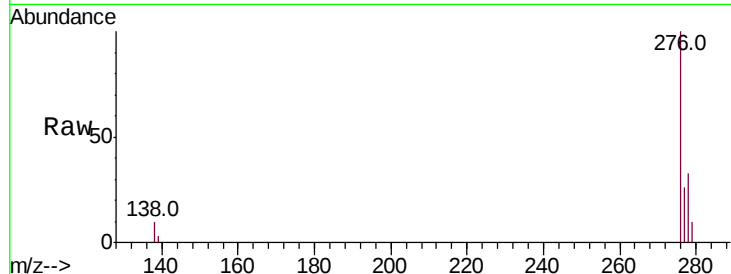
#38
Dibenzo(a,h)anthracene
Concen: 1.095 ng
RT: 26.67 min Scan# 2981
Delta R.T. -0.01 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Instrument :
BNA_E
ClientSampleId :
FESB-13(9.5-10)

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.5	6.9	10.3
279	29.3	19.2	28.8

Manual Integrations
APPROVED

mohammad
5/24/2019 8:47:58 AM



#39
Benzo(g,h,i)perylene
Concen: 4.049 ng
RT: 27.49 min Scan# 3210
Delta R.T. 0.01 min
Lab File: BE099718.D
Acq: 22 May 2019 13:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.6
138	9.9	9.2	13.8

