

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052919\
 Data File : BE099780.D
 Acq On : 29 May 2019 17:23
 Operator : JU/SJ
 Sample : K3076-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-07(5-5.5)

Manual Integrations
 APPROVED

mohammad
 5/30/2019 1:27:39 PM

Quant Time: May 30 01:32:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1546	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	5333	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	3865	0.40	ng	-0.01
19) Phenanthrene-d10	17.22	188	11742	0.40	ng	-0.01
27) Chrysene-d12	21.40	240	16112	0.40	ng	-0.01
34) Perylene-d12	23.94	264	19020	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	1808	0.46	ng	0.00
5) Phenol-d6	6.97	99	2417	0.47	ng	0.00
8) Nitrobenzene-d5	8.96	82	1657	0.36	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2972	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	940	0.45	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4452	0.30	ng	0.00
25) Fluoranthene-d10	19.25	212	44685	0.28	ng	-0.01
29) Terphenyl-d14	19.85	244	8724	0.30	ng	-0.02

Target Compounds				Qvalue		
9) Naphthalene	10.65	128	4200	0.074	ng	# 94
12) 2-Methylnaphthalene	12.28	142	219	0.024	ng	# 84
16) Acenaphthylene	14.20	152	5451	0.303	ng	99
17) Acenaphthene	14.54	154	392	0.039	ng	90
18) Fluorene	15.51	166	1520	0.102	ng	98
23) Phenanthrene	17.26	178	23443	0.817	ng	100
24) Anthracene	17.35	178	5379	0.207	ng	99
26) Fluoranthene	19.28	202	95936	2.115	ng	100
28) Pyrene	19.65	202	92687	2.290	ng	# 96
30) Benzo(a)anthracene	21.39	228	72285	1.579	ng	96
31) Chrysene	21.44	228	62860	1.284	ng	97
32) Bis(2-ethylhexyl)phthalate	21.31	149	20036	0.380	ng	99
33) Indeno(1,2,3-cd)pyrene	26.63	276	68339	1.156	ng	98
35) Benzo(b)fluoranthene	23.16	252	117002	2.245	ng	# 96
36) Benzo(k)fluoranthene	23.21	252	40931m	0.753	ng	
37) Benzo(a)pyrene	23.83	252	76593	1.527	ng	99
38) Dibenzo(a,h)anthracene	26.64	278	16472	0.313	ng	# 92
39) Benzo(a,h,i)perylene	27.46	276	64536	1.213	ng	99

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

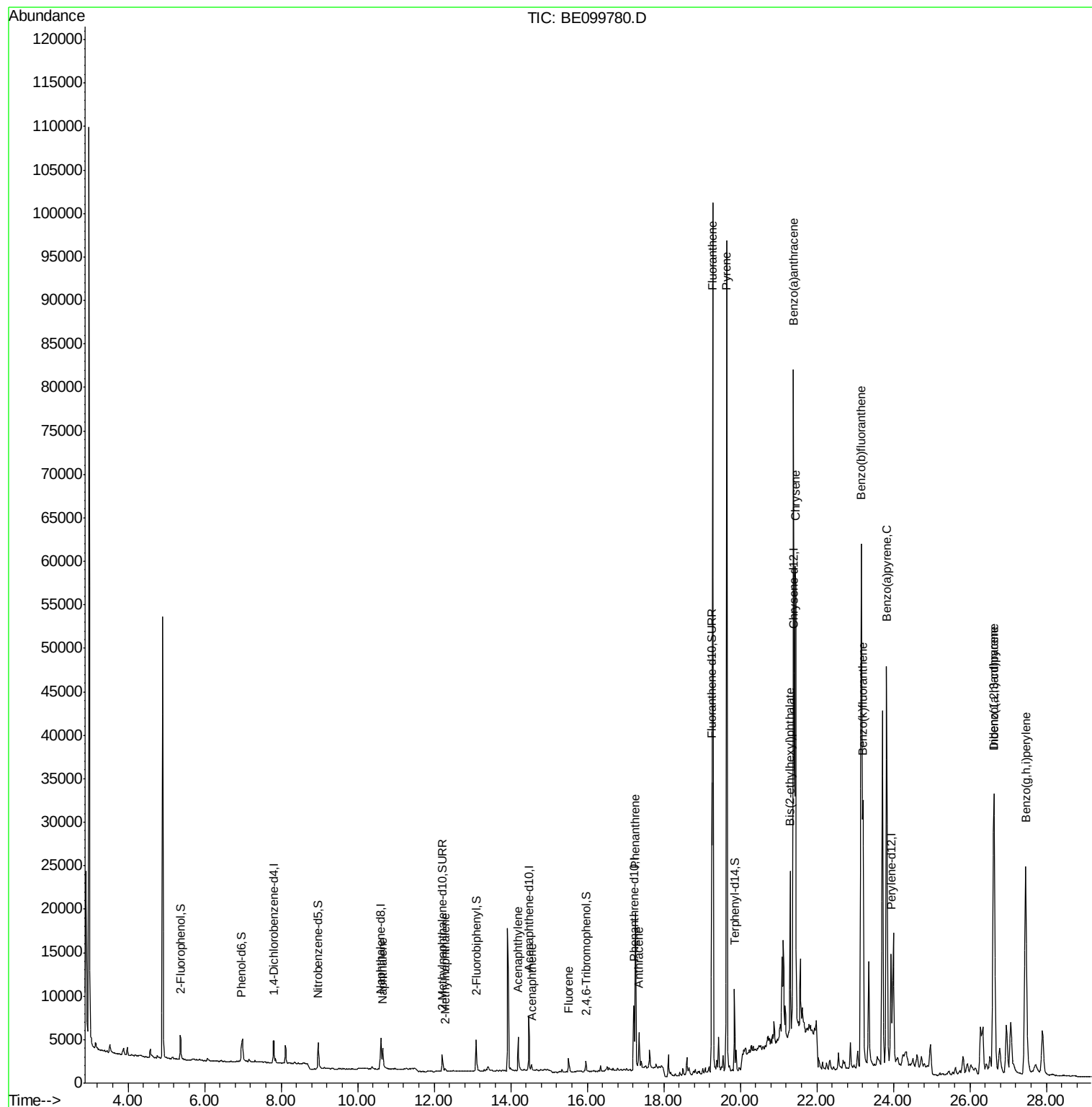
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052919\
Data File : BE099780.D
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ALS Vial : 10 Sample Multiplier: 1

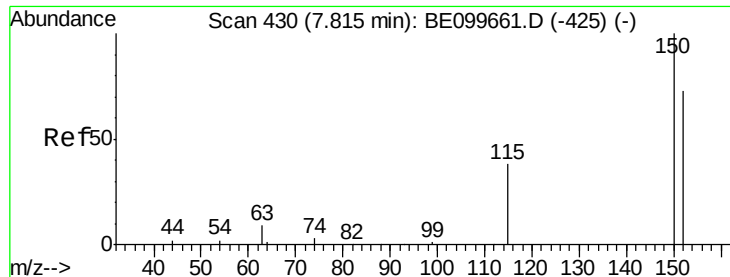
Instrument :
BNA_E
ClientSampleId :
FESB-07(5-5.5)

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Quant Time: May 30 01:32:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

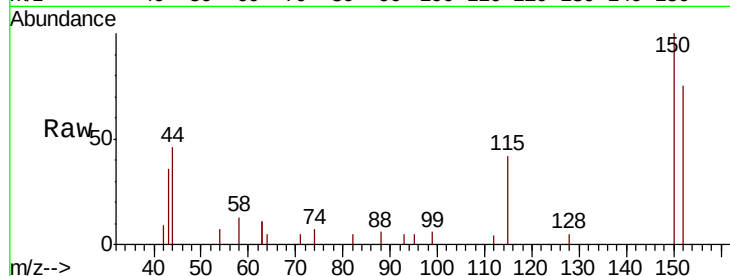
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Instrument :
BNA_E
ClientSampleId :
FESB-07(5-5.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	132.5	109.2	163.8
115	55.6	43.7	65.5

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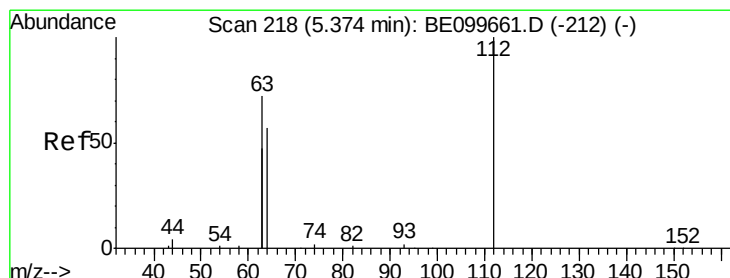
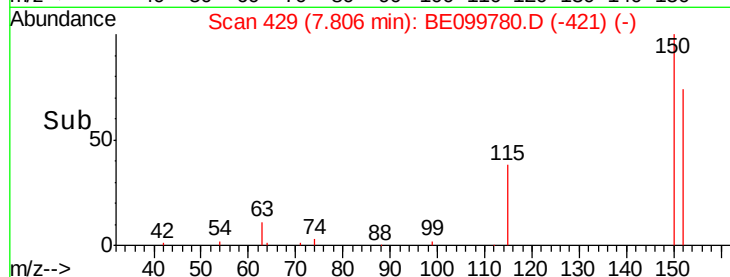
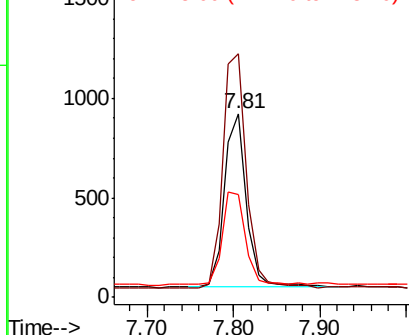


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

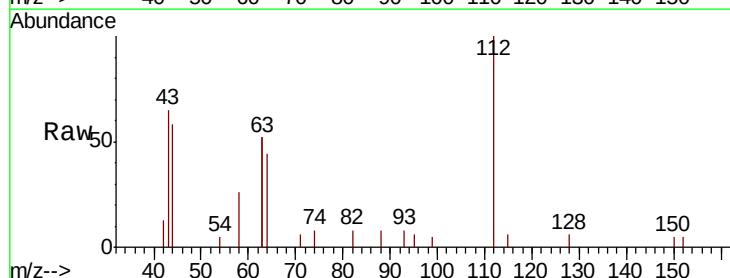
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.463 ng
RT: 5.38 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	43.4	65.2
63	118.5	96.9	145.3

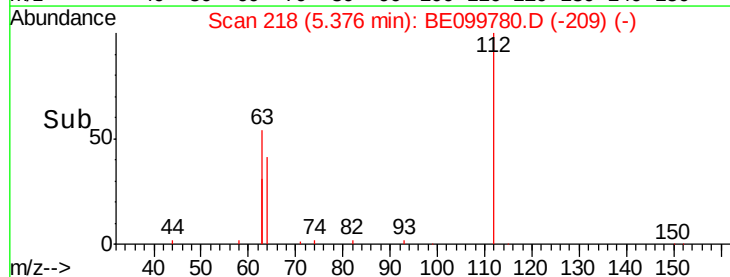
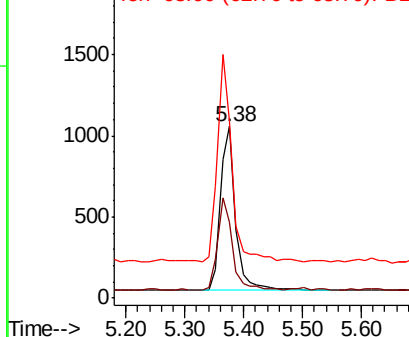


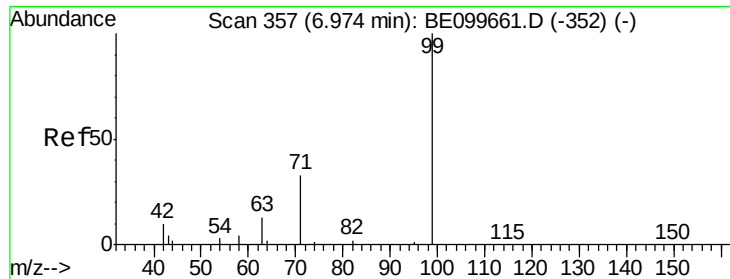
Abundance

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: 0.467 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099780.D

Acq: 29 May 2019 17:23

Instrument :

BNA_E

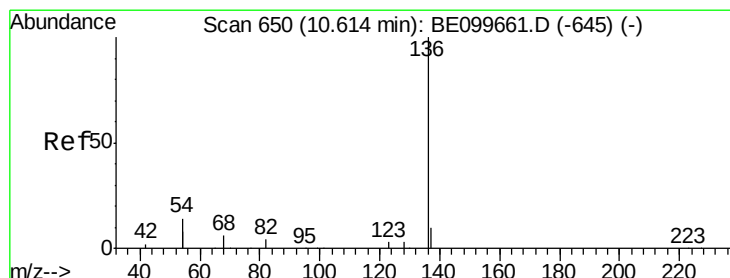
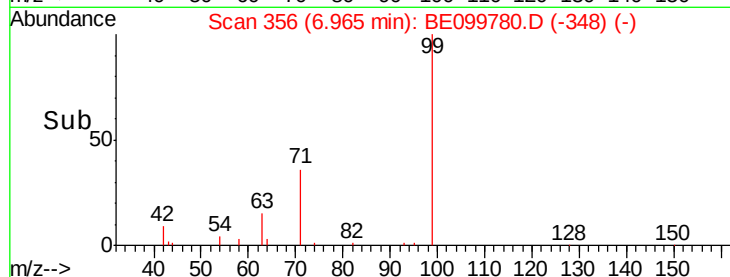
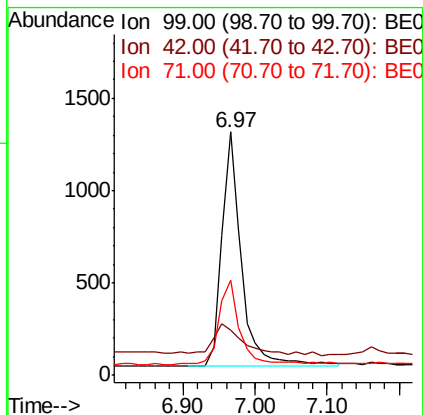
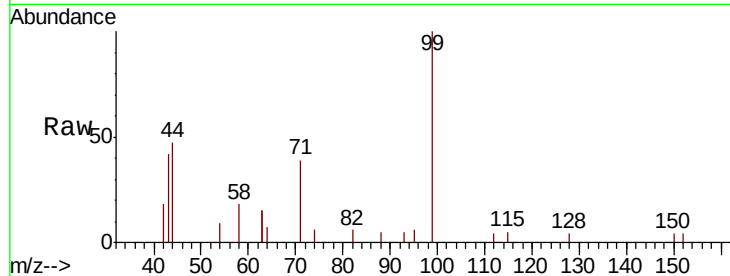
ClientSampleId :

FESB-07(5-5.5)

Tot Ion:	99	Resp:	2417
Ion	Ratio	Lower	Upper
99	100		
42	18.7	12.2	18.2#
71	38.0	28.9	43.3

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#7

Naphthalene-d8

Concen: 0.400 ng

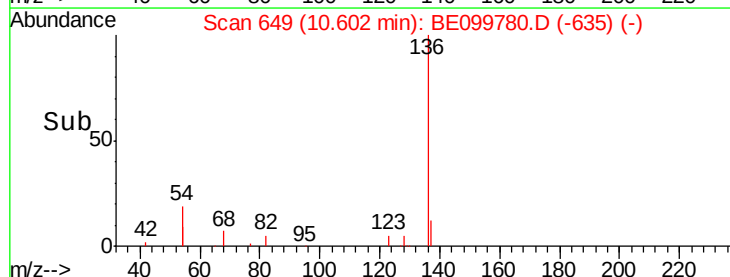
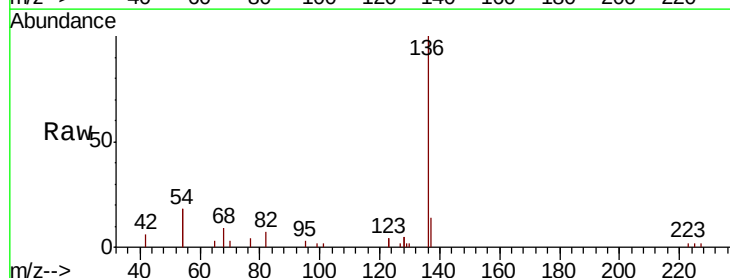
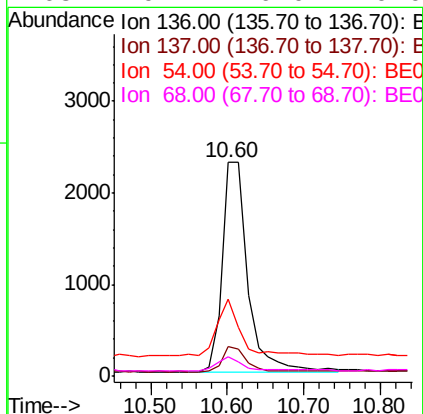
RT: 10.60 min Scan# 649

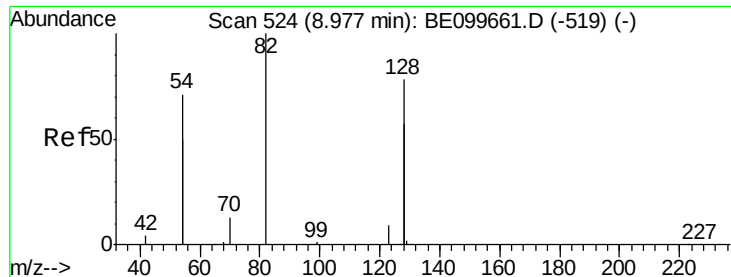
Delta R.T. -0.01 min

Lab File: BE099780.D

Acq: 29 May 2019 17:23

Tgt Ion:	136	Resp:	5333
Ion	Ratio	Lower	Upper
136	100		
137	13.6	9.0	13.6#
54	36.3	22.3	33.5#
68	9.1	6.0	9.0#





#8

Nitrobenzene-d5

Concen: 0.359 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099780.D

Acq: 29 May 2019 17:23

Instrument :

BNA_E

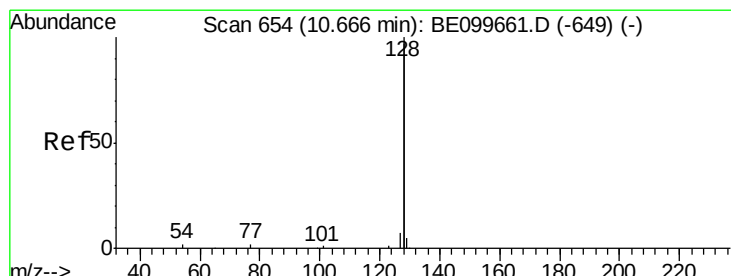
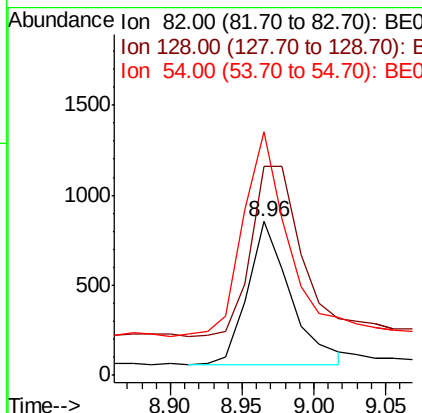
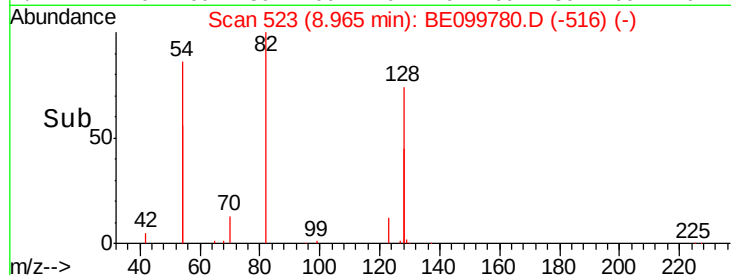
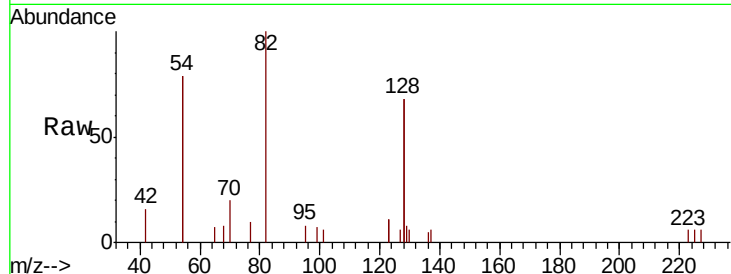
ClientSampleId :

FESB-07(5-5.5)

Tot Ion:	82	Resp:	1657
Ion	Ratio	Lower	Upper
82	100		
128	136.1	117.7	176.5
54	158.3	106.6	160.0

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#9

Naphthalene

Concen: 0.074 ng

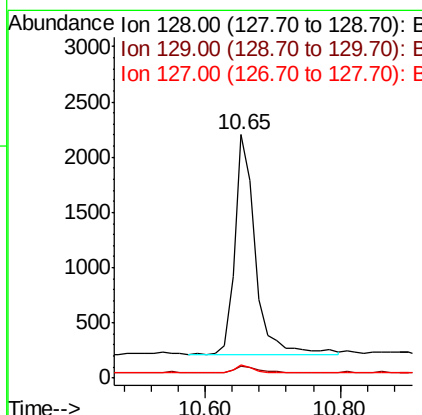
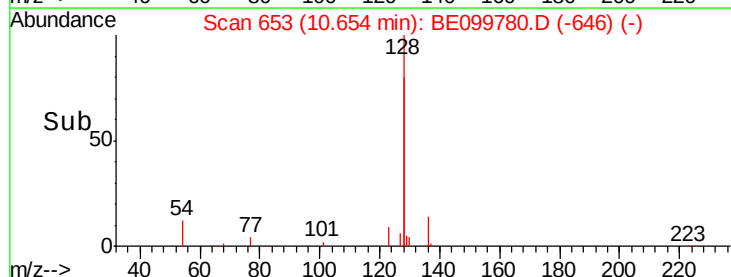
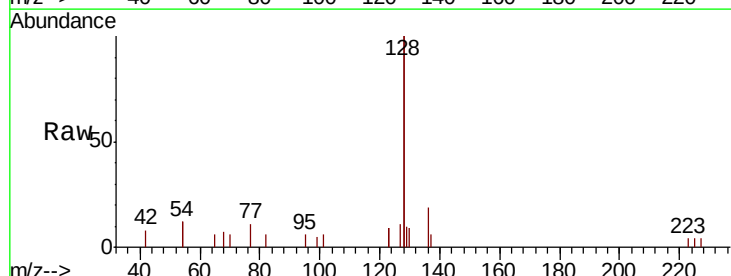
RT: 10.65 min Scan# 653

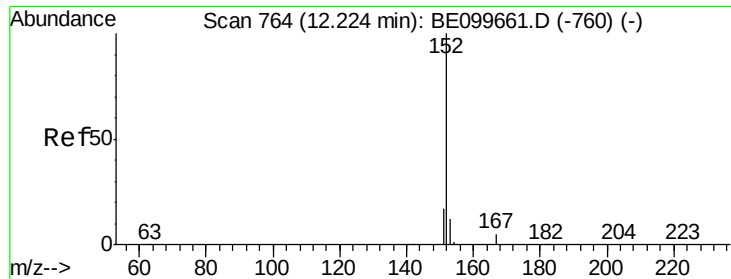
Delta R.T. -0.01 min

Lab File: BE099780.D

Acq: 29 May 2019 17:23

Tgt Ion:	128	Resp:	4200
Ion	Ratio	Lower	Upper
128	100		
129	5.0	2.4	3.6#
127	5.3	2.9	4.3#





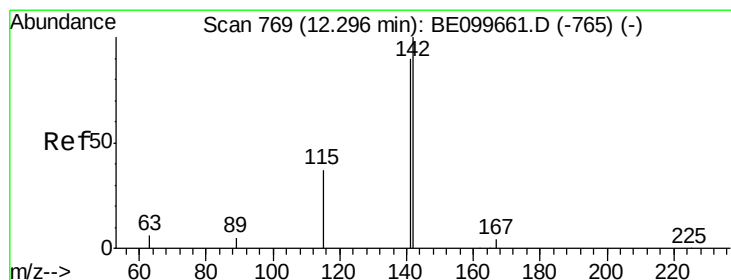
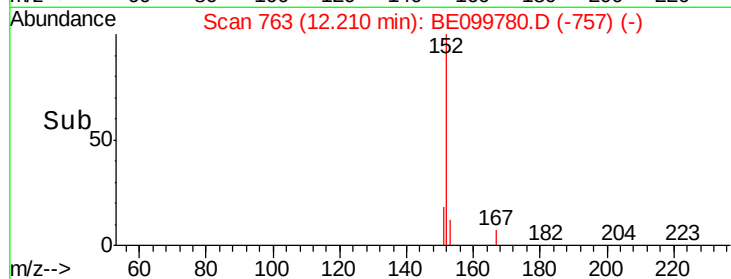
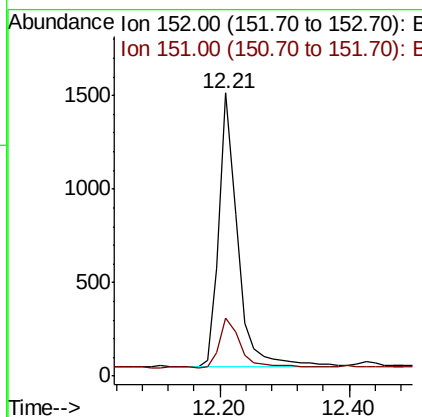
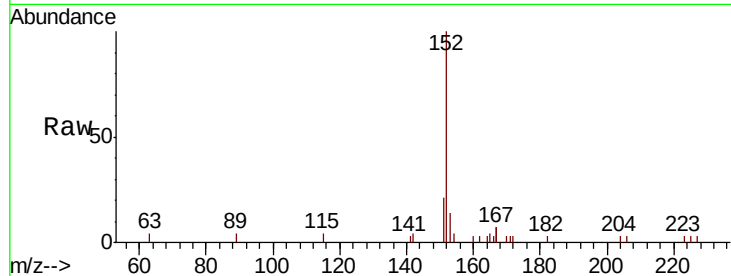
#11
2-Methylnaphthalene-d10
Concen: 0.323 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Instrument :
BNA_E
ClientSampleId :
FESB-07(5-5.5)

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.0	22.4

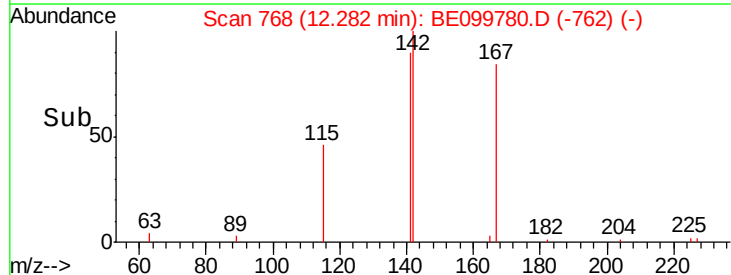
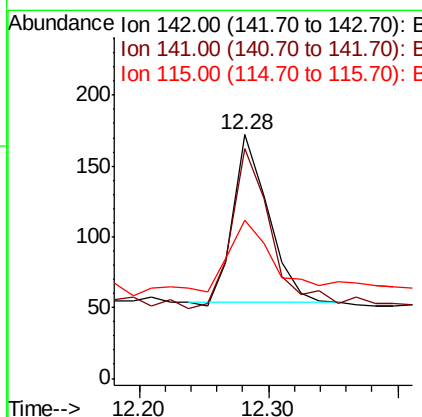
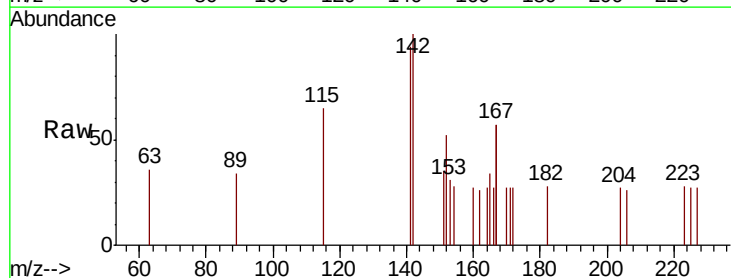
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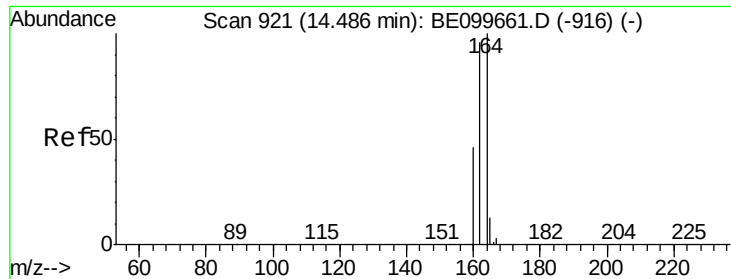
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#12
2-Methylnaphthalene
Concen: 0.024 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.2	72.0	108.0
115	65.1	31.0	46.4





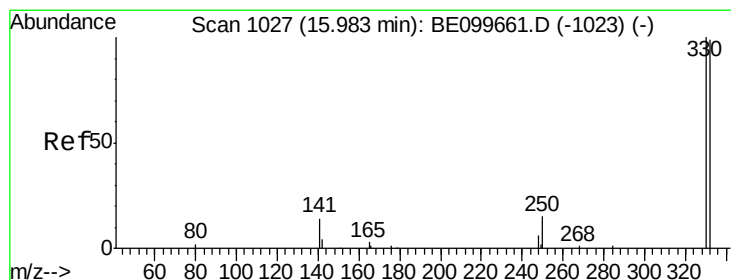
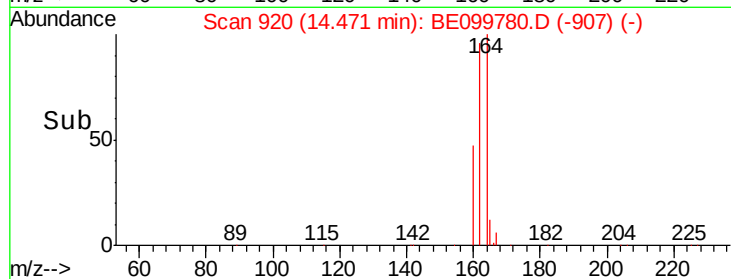
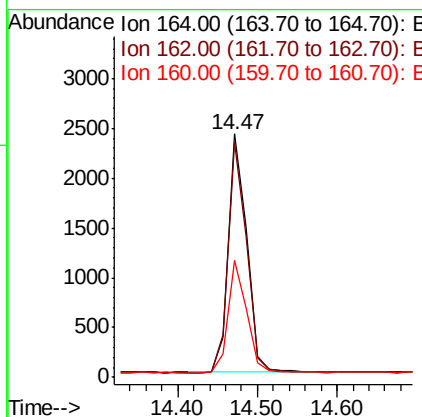
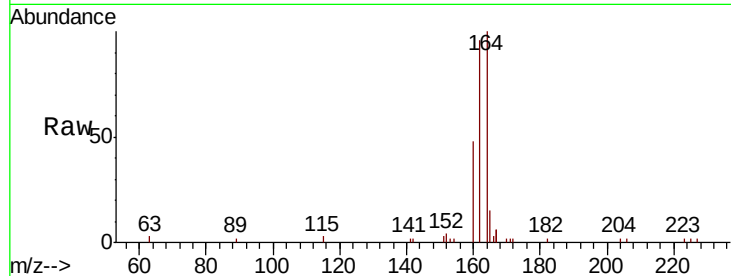
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: BE099780.D
 Acq: 29 May 2019 17:23

Instrument :
 BNA_E
 ClientSampleId :
 FESB-07(5-5.5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.2	76.5	114.7
160	48.1	37.4	56.2

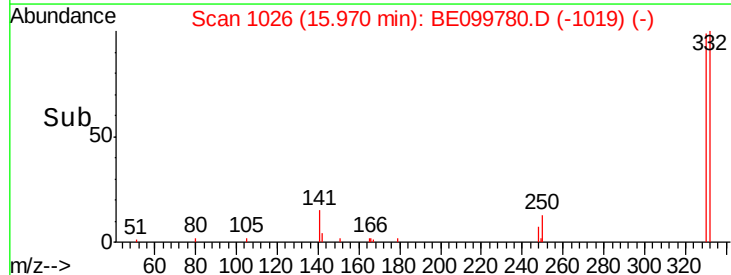
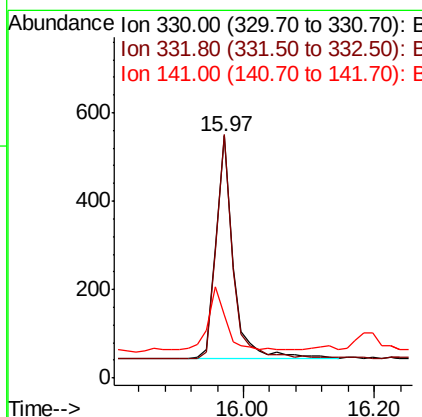
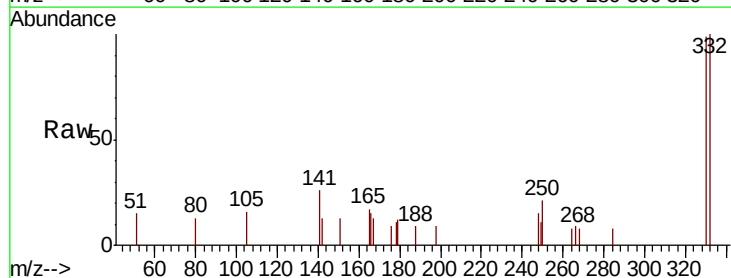
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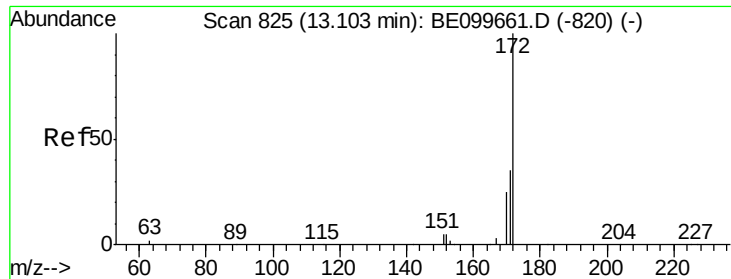
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#14
 2,4,6-Tribromophenol
 Concen: 0.448 ng
 RT: 15.97 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BE099780.D
 Acq: 29 May 2019 17:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.3	115.9
141	27.9	18.9	28.3





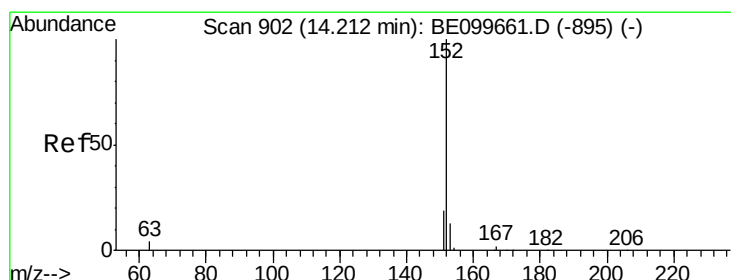
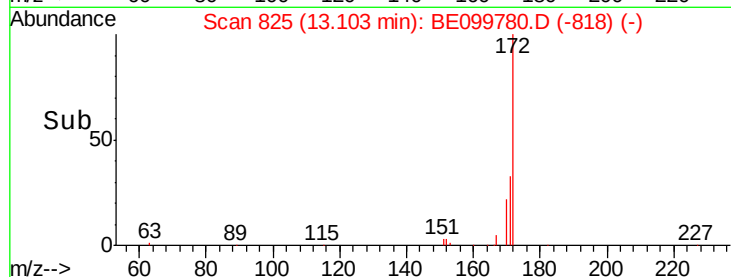
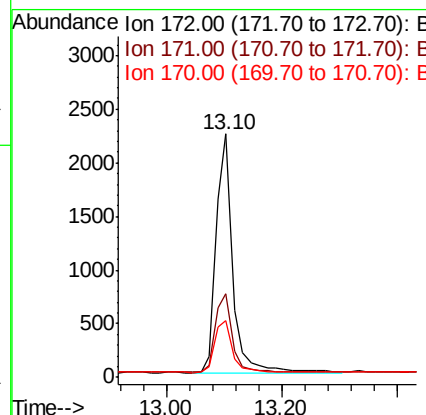
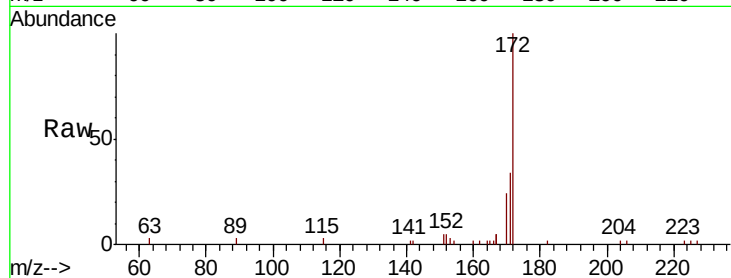
#15
2-Fluorobiphenyl
Concen: 0.304 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Instrument :
BNA_E
ClientSampleId :
FESB-07(5-5.5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.7	43.1
170	23.5	20.9	31.3

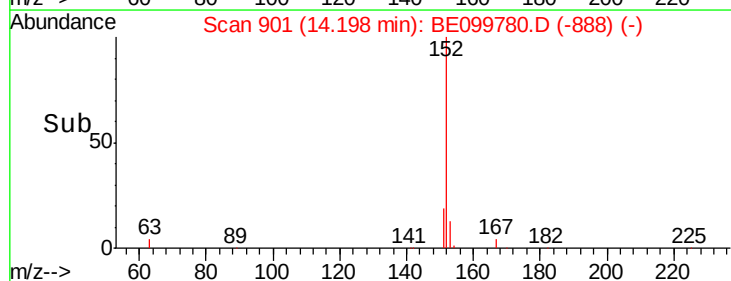
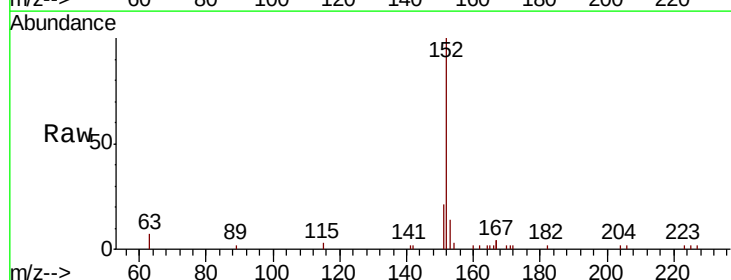
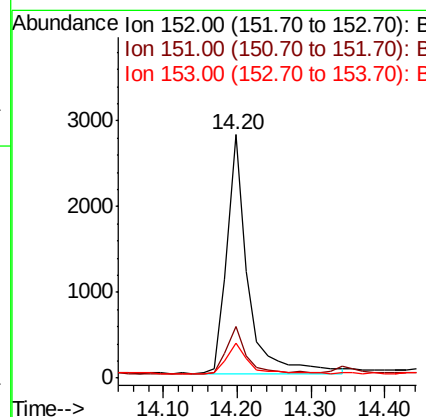
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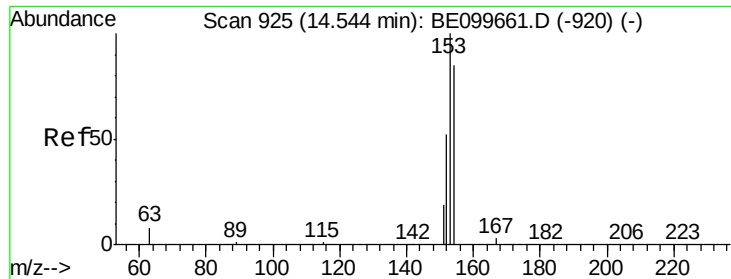
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#16
Acenaphthylene
Concen: 0.303 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.9	23.9
153	13.4	10.6	16.0





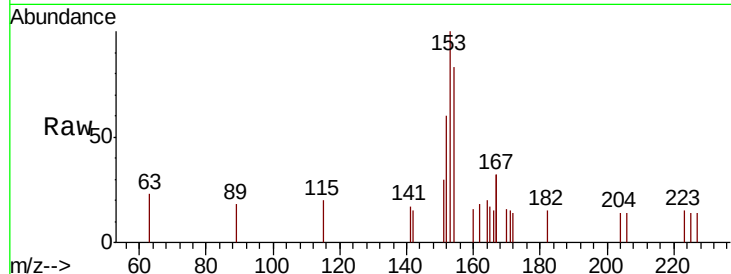
#17
Acenaphthene
Concen: 0.039 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Instrument :
BNA_E
ClientSampleId :
FESB-07(5-5.5)

Tot Ion	Ratio	Lower	Upper
154	100		
153	127.8	91.8	137.6
152	61.0	46.0	69.0

Manual Integrations
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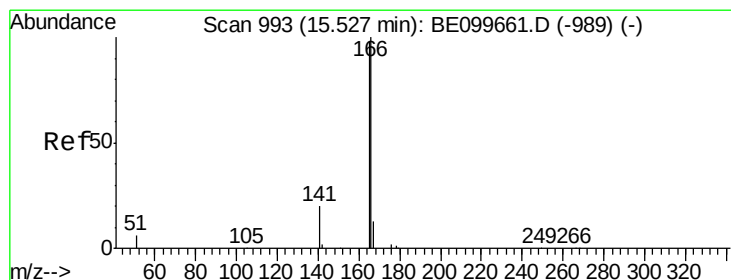
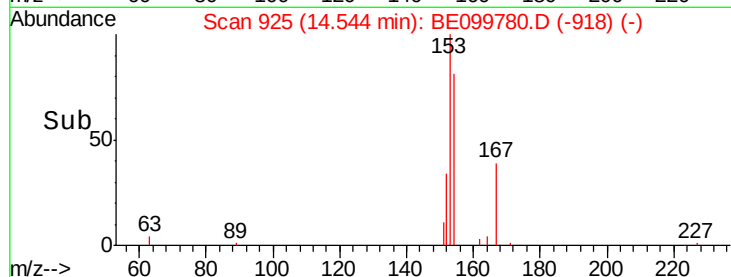
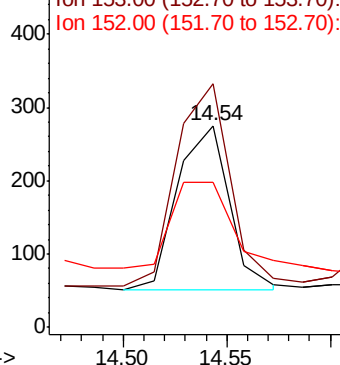


Abundance

Ion 154.00 (153.70 to 154.70): E

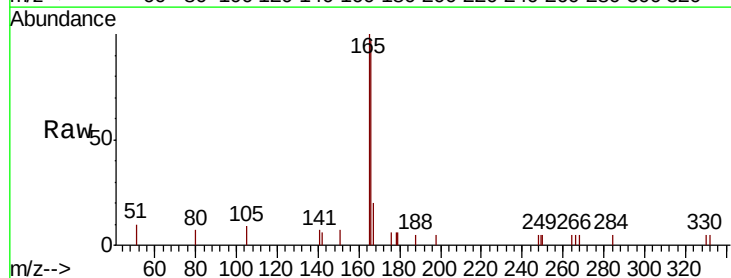
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.102 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.0	80.3	120.5
167	13.7	10.6	16.0

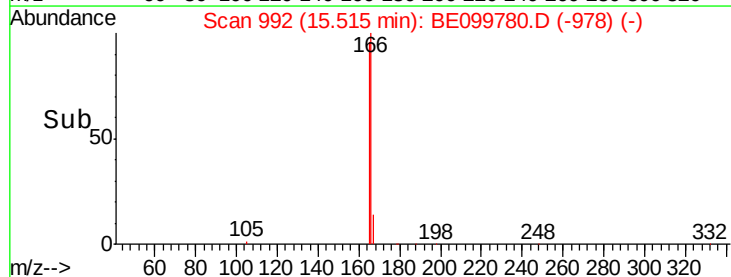
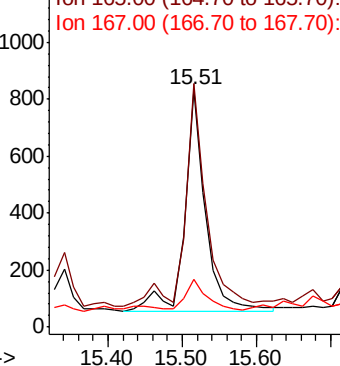


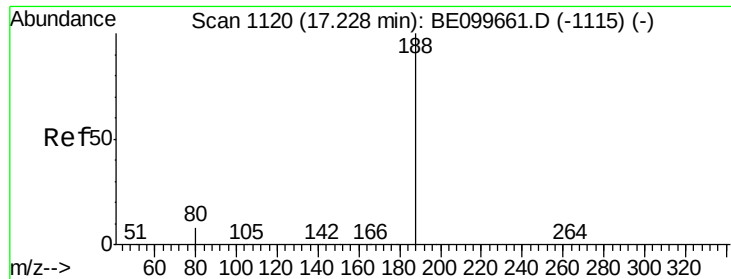
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





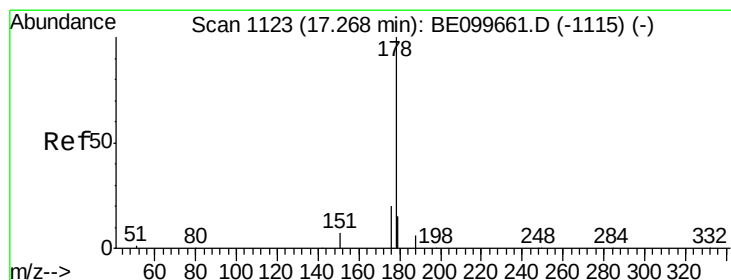
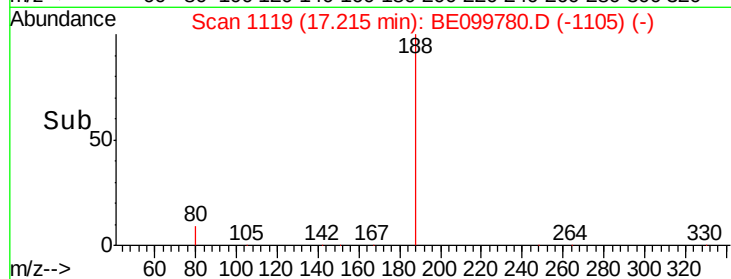
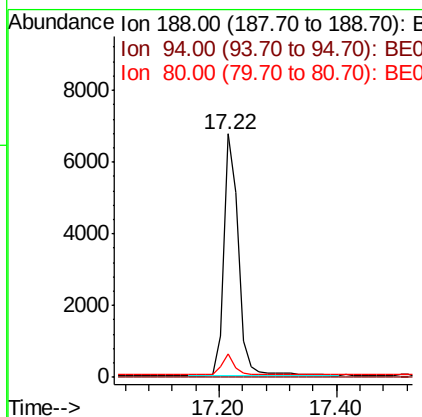
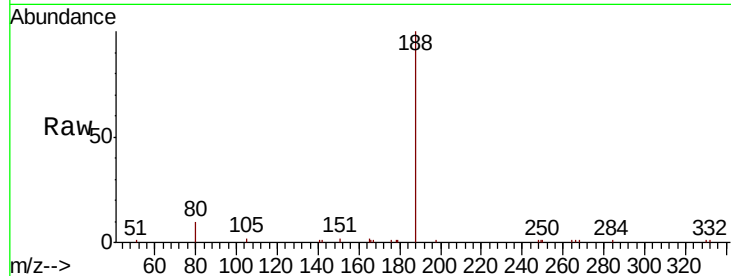
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.22 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Instrument :
BNA_E
ClientSampleId :
FESB-07(5-5.5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	11742		
94	0.0	0.0	0.0	0.0
80	9.8	6.7	10.1	

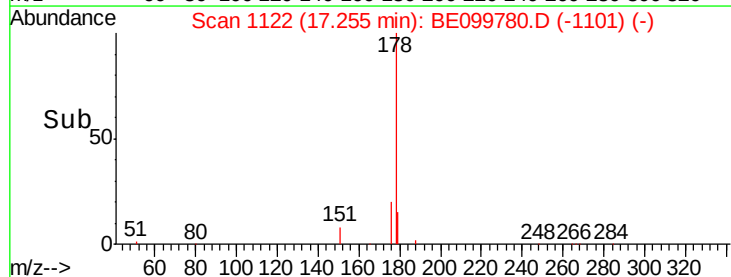
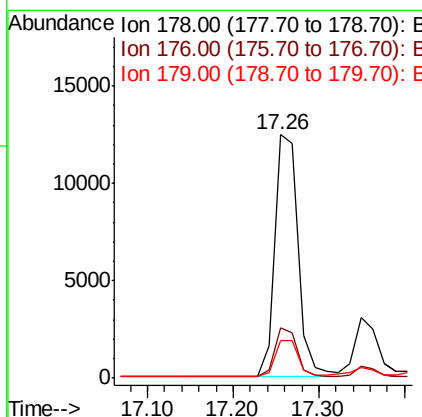
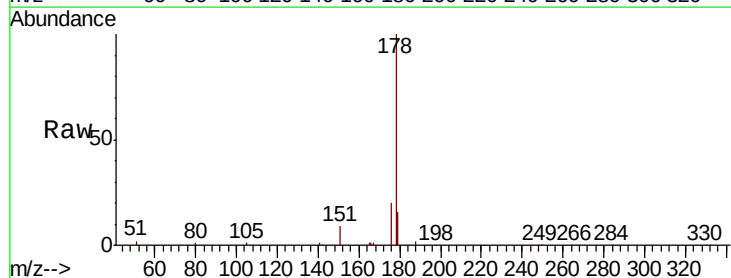
Manual Integrations
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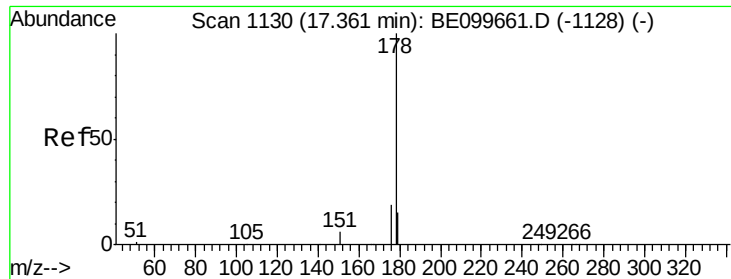
mohammad
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#23
Phenanthrene
Concen: 0.817 ng
RT: 17.26 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	23443		
176	19.5	15.6	23.4	
179	15.5	12.2	18.4	





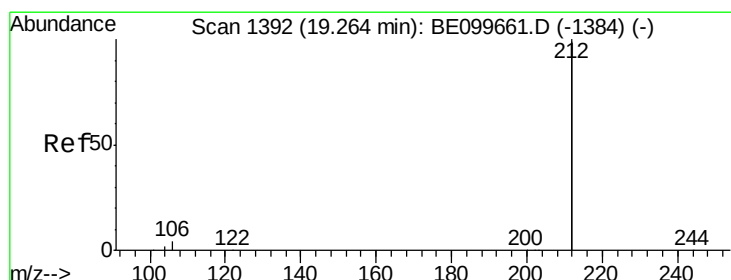
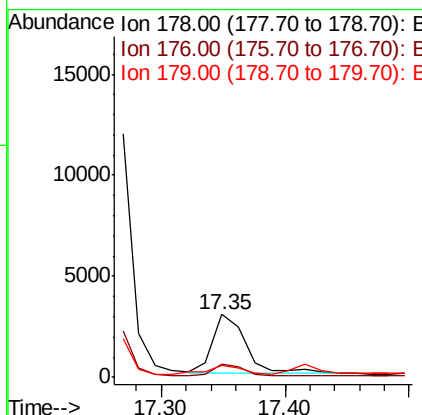
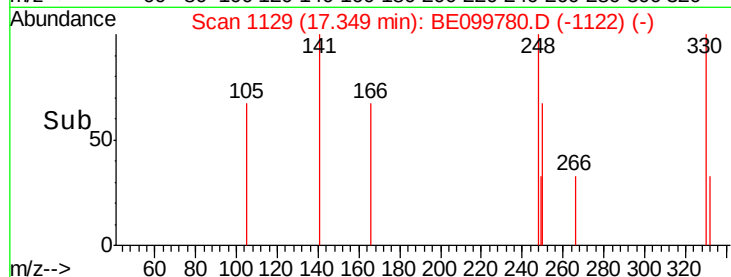
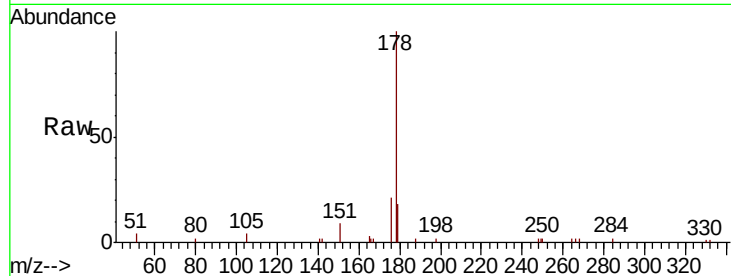
#24
 Anthracene
 Concen: 0.207 ng
 RT: 17.35 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BE099780.D
 Acq: 29 May 2019 17:23

Instrument :
 BNA_E
 ClientSampleId :
 FESB-07(5-5.5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	13.9	12.0	18.0

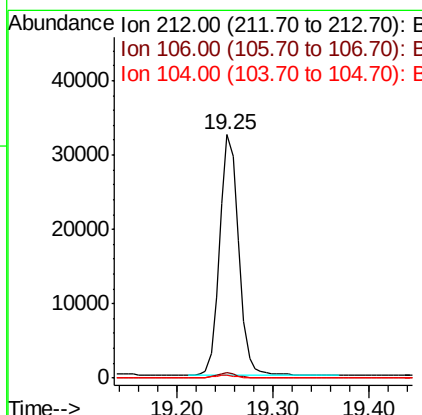
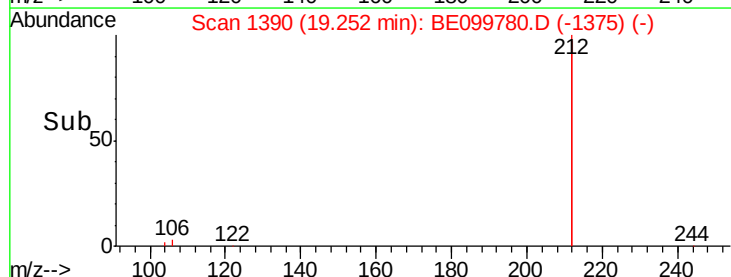
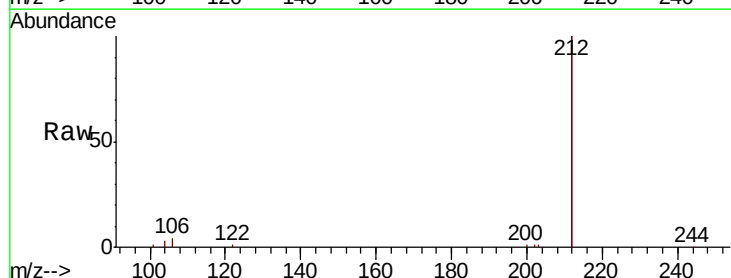
Manual Integrations
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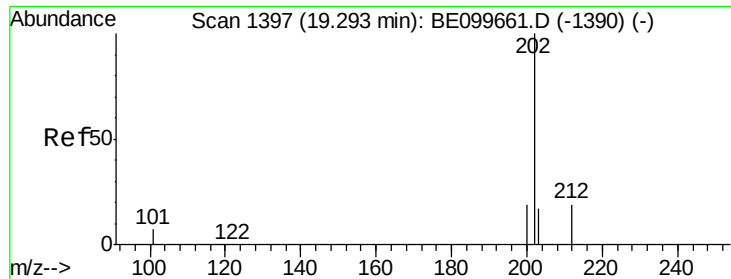
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.278 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: BE099780.D
 Acq: 29 May 2019 17:23

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.4	2.2
104	1.1	0.8	1.2





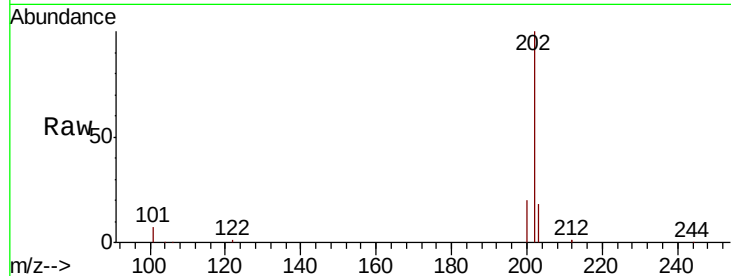
#26
Fluoranthene
Concen: 2.115 ng
RT: 19.28 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Instrument :
BNA_E
ClientSampleId :
FESB-07(5-5.5)

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

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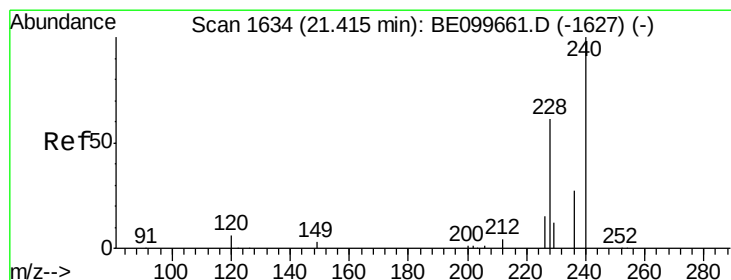
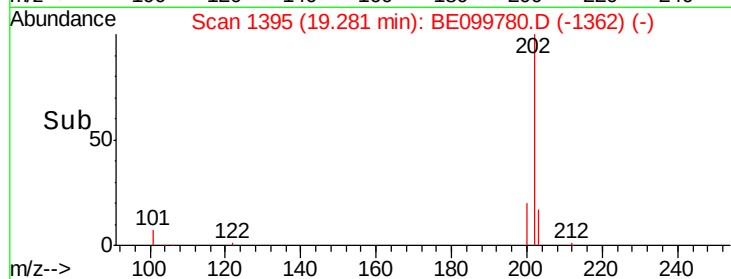
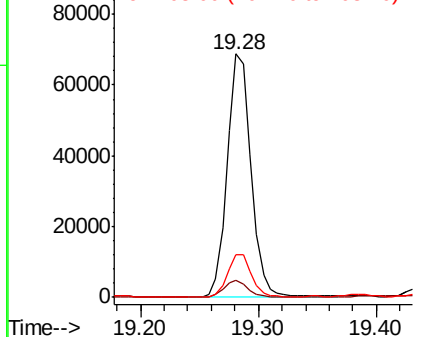


Abundance

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: 21.40 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

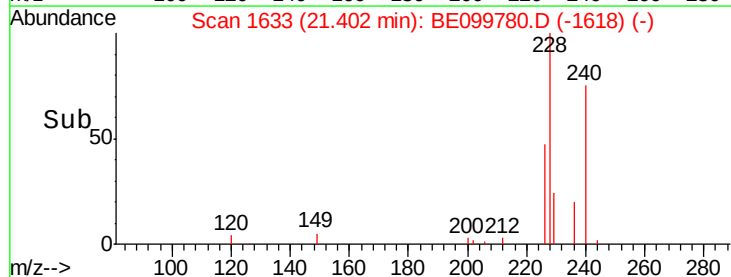
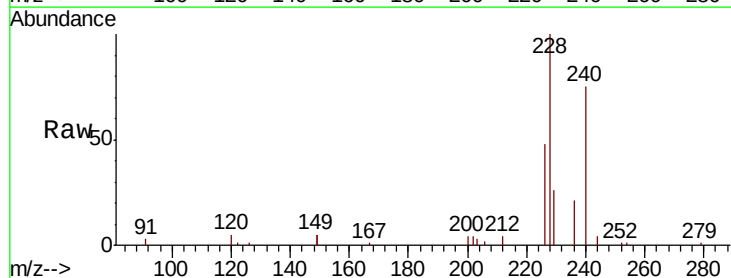
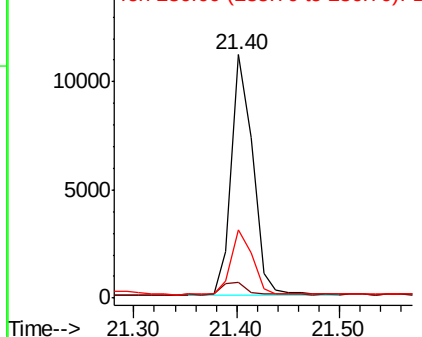
Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.2	5.4	8.0
236	28.2	21.7	32.5

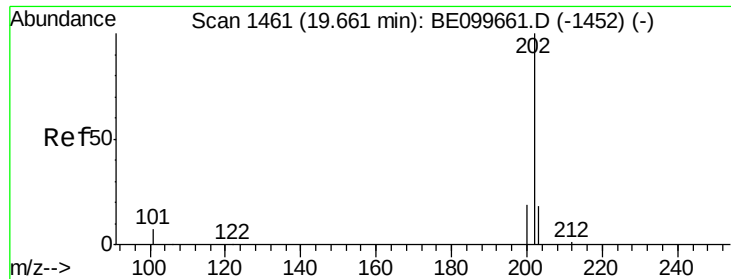
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





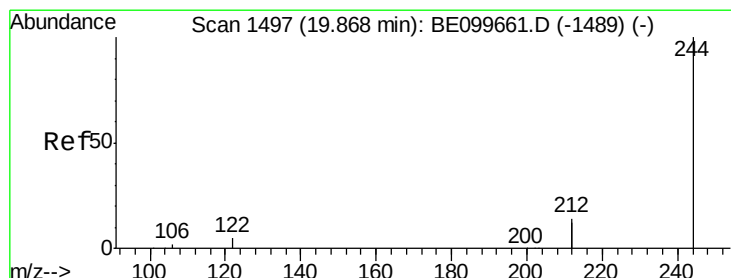
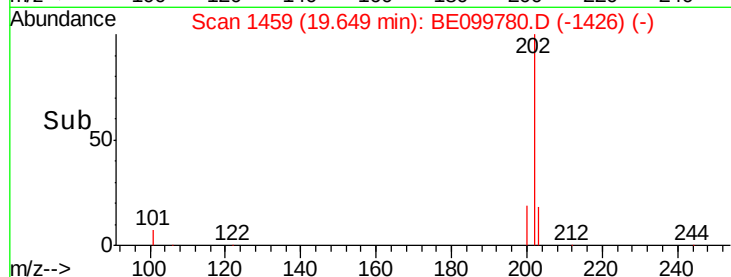
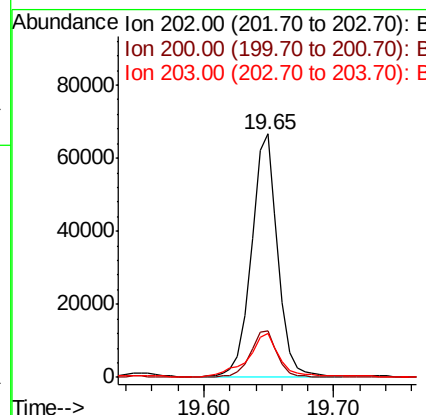
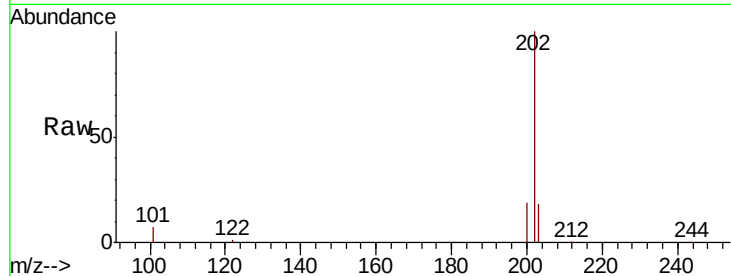
#28
Pvrene
Concen: 2.290 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Instrument :
BNA_E
ClientSampleId :
FESB-07(5-5.5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.4	23.2
203	20.9	13.8	20.8

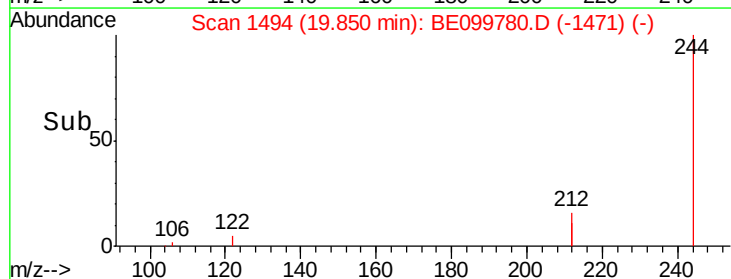
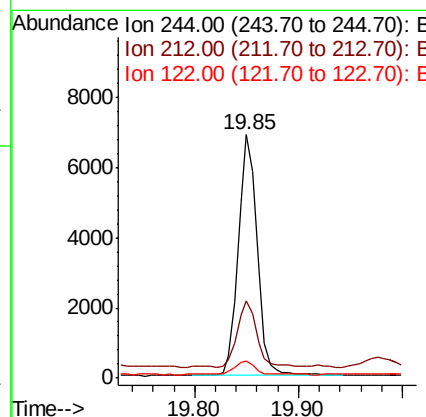
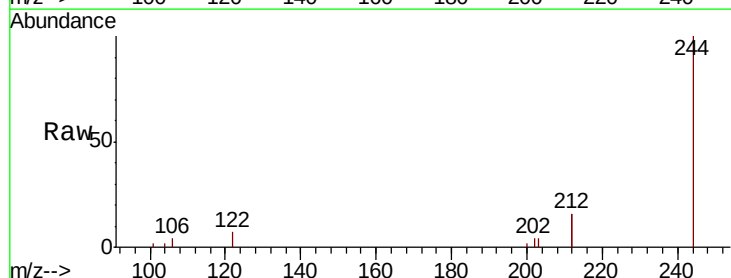
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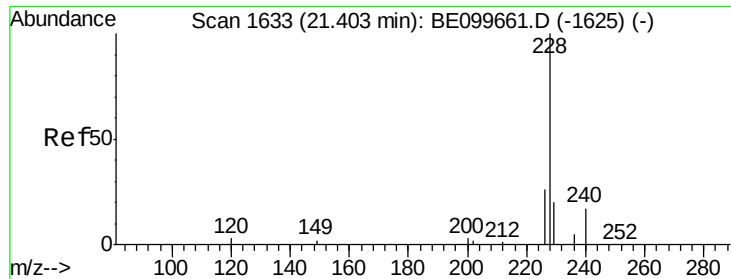
mohammad
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#29
Terphenyl-d14
Concen: 0.303 ng
RT: 19.85 min Scan# 1494
Delta R.T. -0.02 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	31.7	22.5	33.7
122	6.8	4.3	6.5





#30

Benzo(a)anthracene

Concen: 1.579 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099780.D

Acq: 29 May 2019 17:23

Instrument :

BNA_E

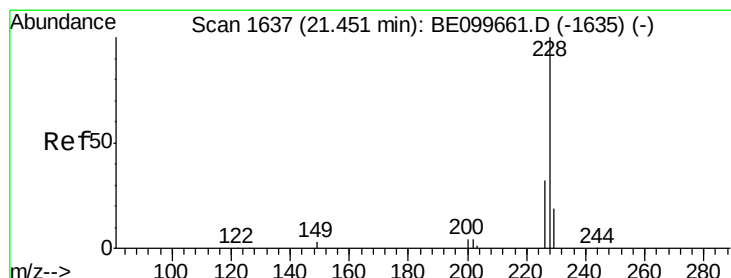
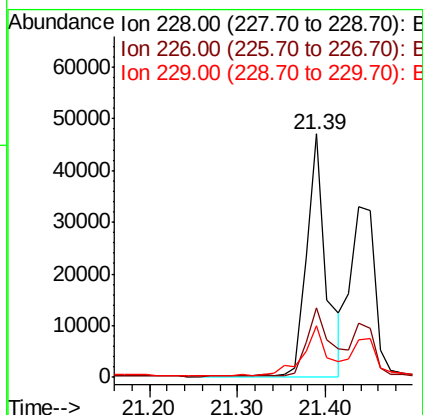
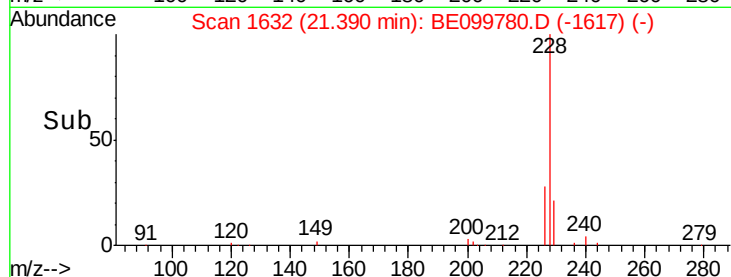
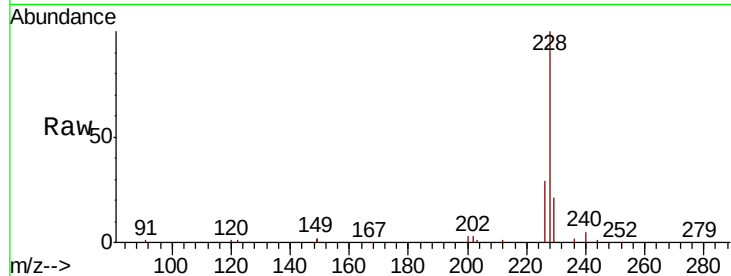
ClientSampleId :

FESB-07(5-5.5)

Tot Ion:228	Resp:	72285
Ion Ratio	Lower	Upper
228	100	
226	28.8	21.3 31.9
229	21.3	16.1 24.1

Manual Integrations
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#31

Chrysene

Concen: 1.284 ng

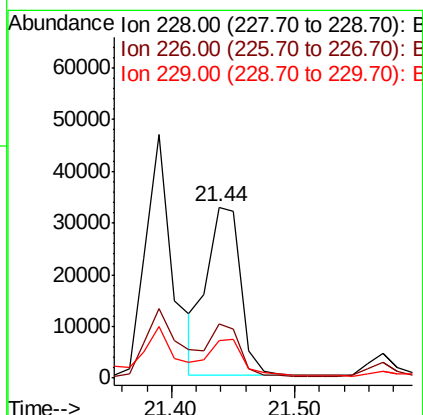
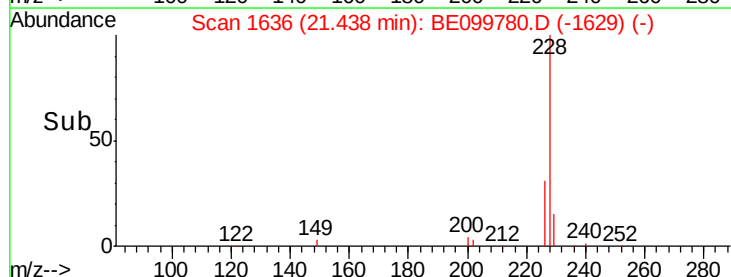
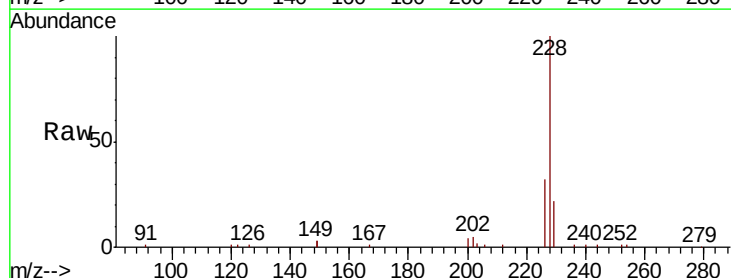
RT: 21.44 min Scan# 1636

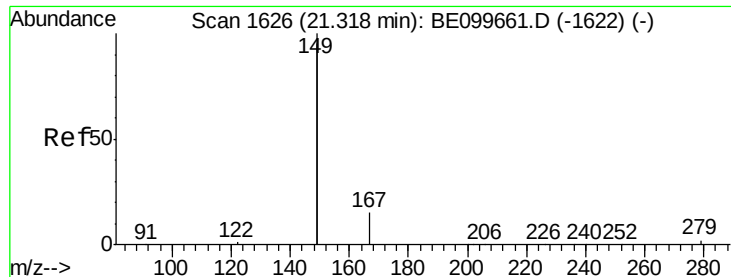
Delta R.T. -0.01 min

Lab File: BE099780.D

Acq: 29 May 2019 17:23

Tgt Ion:228	Resp:	62860
Ion Ratio	Lower	Upper
228	100	
226	31.6	24.7 37.1
229	21.9	15.8 23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.380 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099780.D

Acq: 29 May 2019 17:23

Instrument :

BNA_E

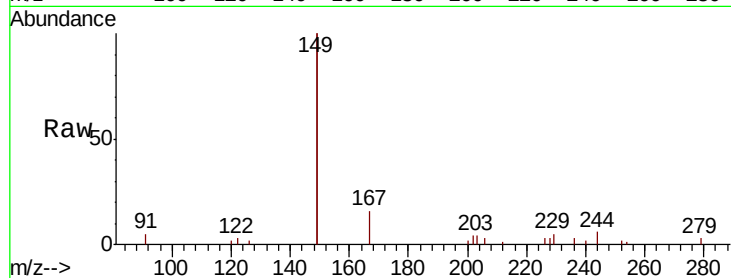
ClientSampleId :

FESB-07(5-5.5)

Tot Ion:	149	Resp:	20036
Ion Ratio	Lower	Upper	
149	100		
167	7.4	6.2	9.4
279	1.6	1.2	1.8

Manual Integrations
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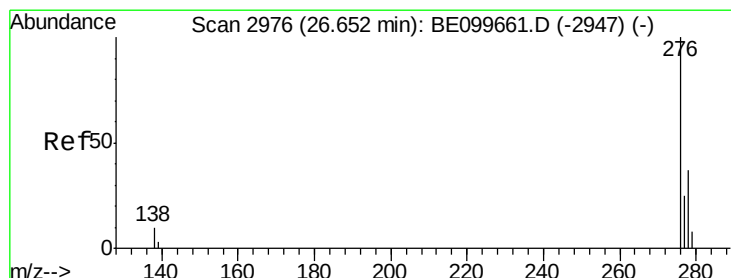
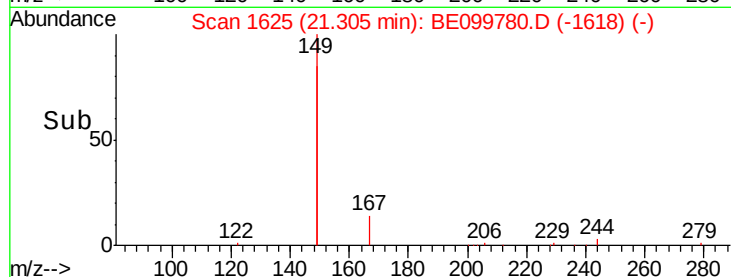
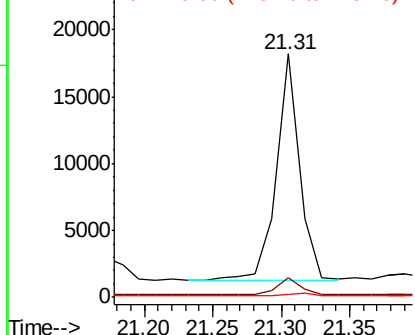


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.156 ng

RT: 26.63 min Scan# 2969

Delta R.T. -0.02 min

Lab File: BE099780.D

Acq: 29 May 2019 17:23

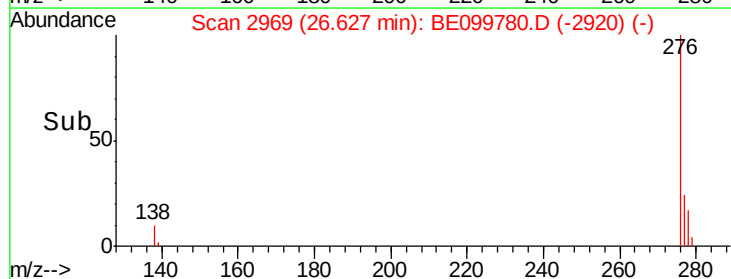
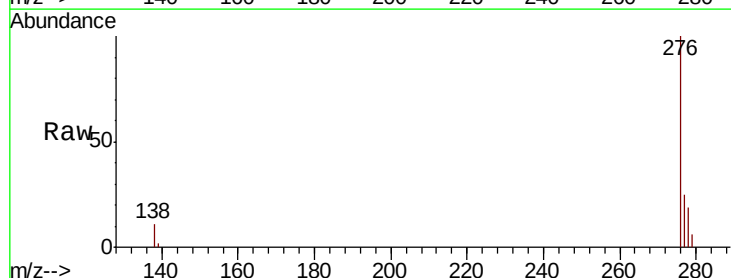
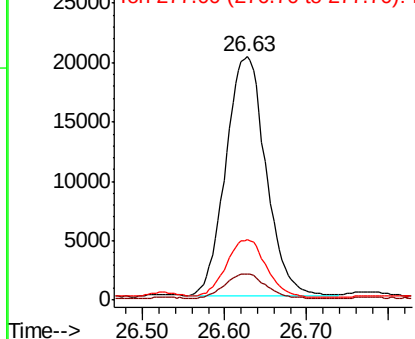
Tgt Ion:	276	Resp:	68339
Ion Ratio	Lower	Upper	
276	100		
138	10.5	9.6	14.4
277	24.5	19.2	28.8

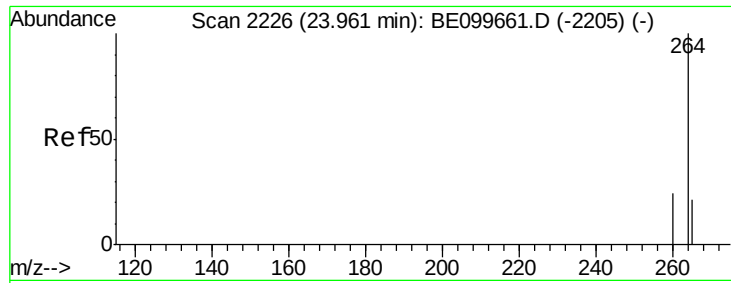
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





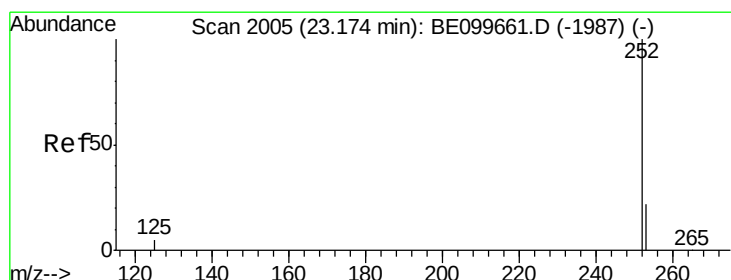
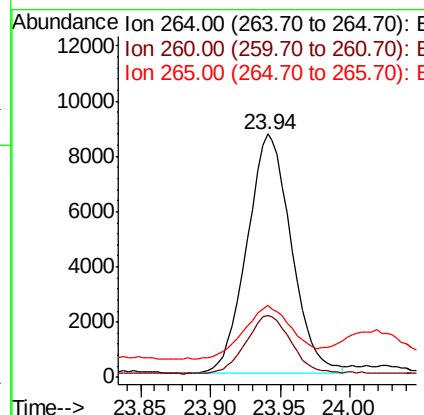
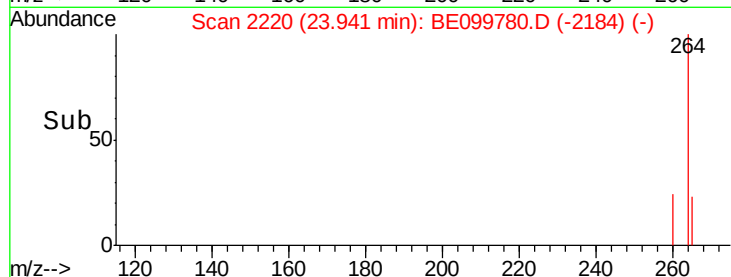
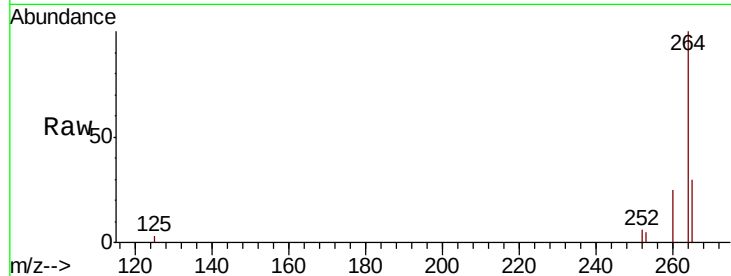
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Instrument :
BNA_E
ClientSampleId :
FESB-07(5-5.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.6	29.4
265	29.6	19.1	28.7#

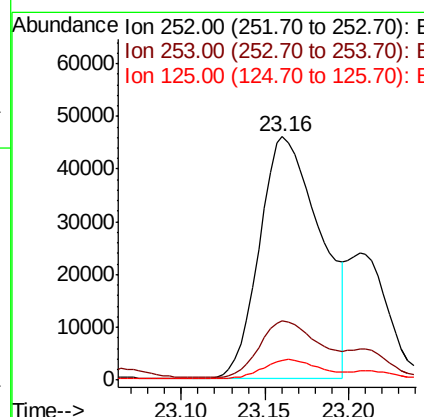
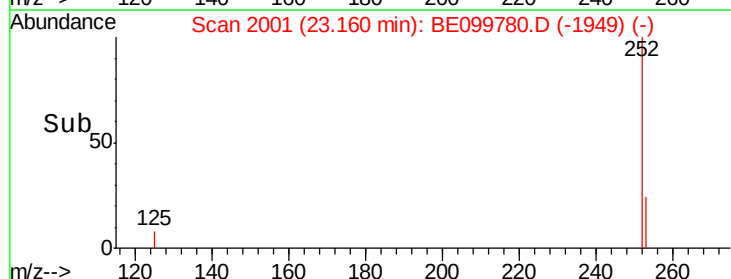
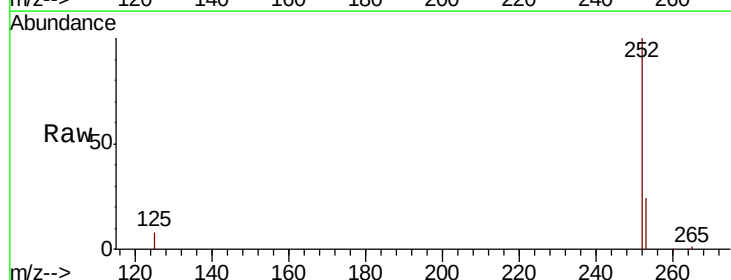
Manual Integrations
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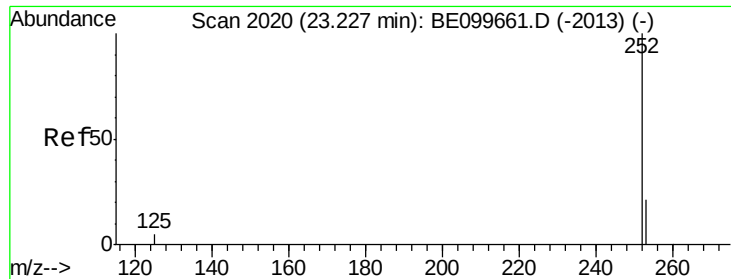
mohammad
5/30/2019 1:27:39 PM



#35
Benzo(b)fluoranthene
Concen: 2.245 ng
RT: 23.16 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.4
125	8.0	4.5	6.7#





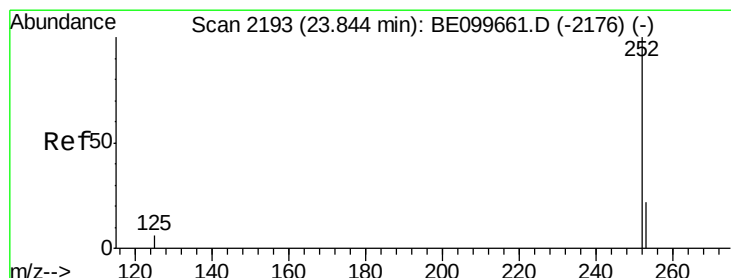
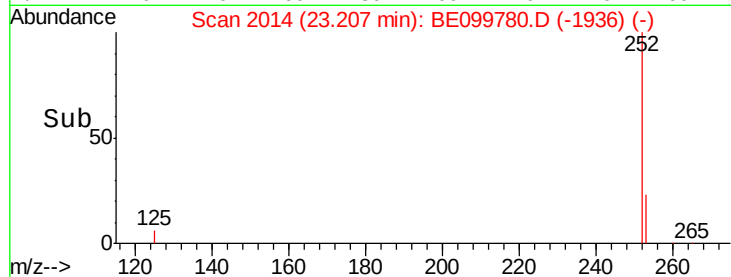
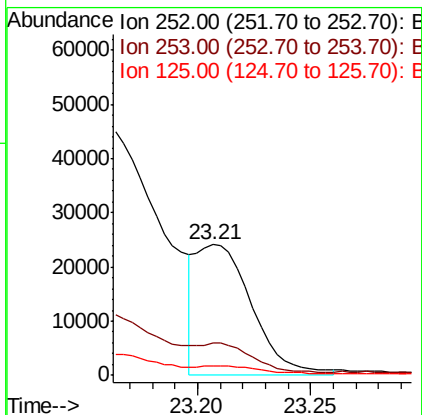
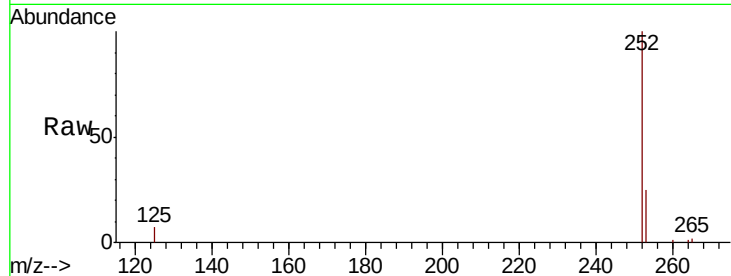
#36
Benzo(k)fluoranthene
Concen: 0.753 ng m
RT: 23.21 min Scan# 2014
Delta R.T. -0.02 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Instrument :
BNA_E
ClientSampleId :
FESB-07(5-5.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.8
125	7.0	4.6	6.8

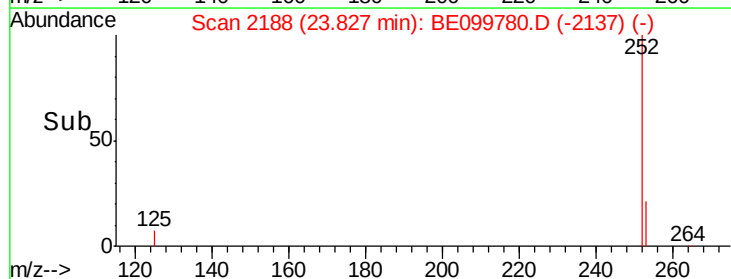
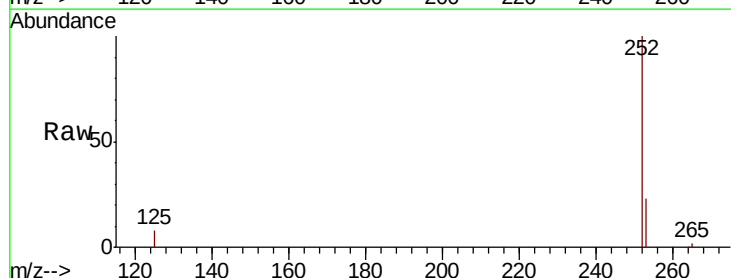
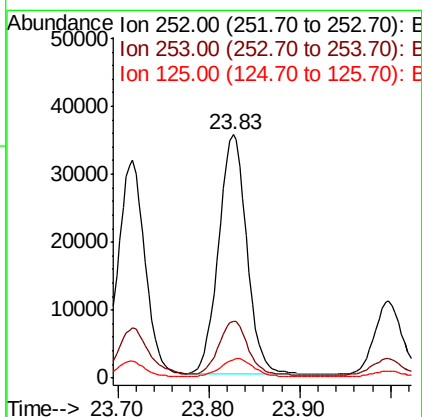
Manual Integrations
APPROVED

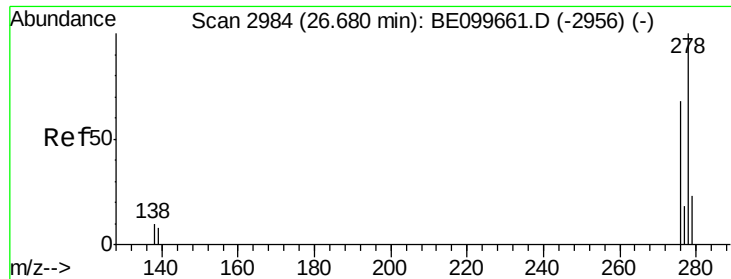
mohammad
5/30/2019 1:27:39 PM



#37
Benzo(a)pyrene
Concen: 1.527 ng
RT: 23.83 min Scan# 2188
Delta R.T. -0.02 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.9	28.3
125	7.8	5.4	8.0





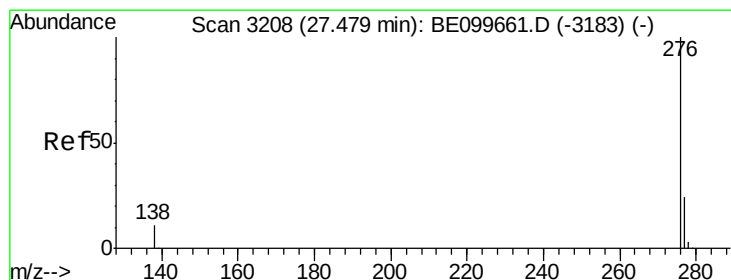
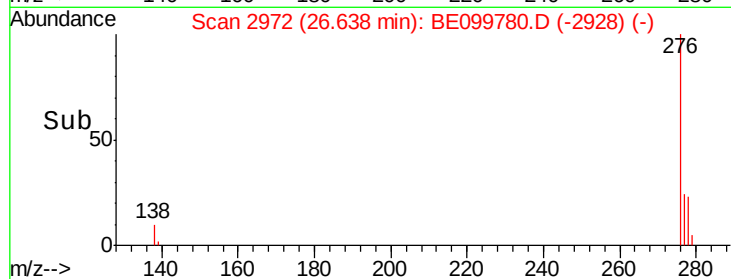
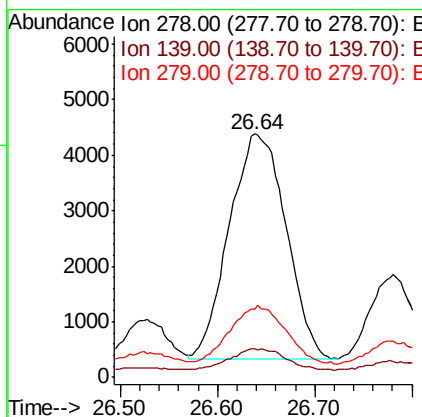
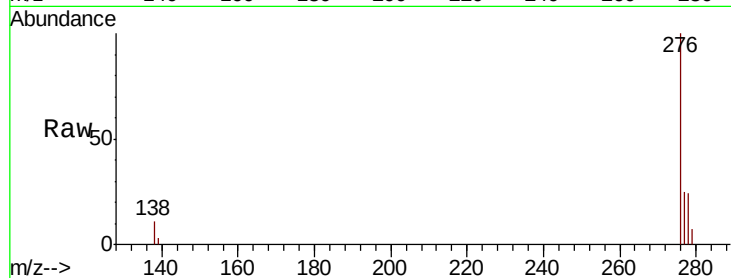
#38
Dibenzo(a,h)anthracene
Concen: 0.313 ng
RT: 26.64 min Scan# 2972
Delta R.T. -0.04 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Instrument :
BNA_E
ClientSampleId :
FESB-07(5-5.5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.7	6.9	10.3#
279	28.1	19.2	28.8

Manual Integrations
APPROVED

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#39
Benzo(g,h,i)perylene
Concen: 1.213 ng
RT: 27.46 min Scan# 3202
Delta R.T. -0.02 min
Lab File: BE099780.D
Acq: 29 May 2019 17:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.6
138	11.1	9.2	13.8

