

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060619\
 Data File : BE099841.D
 Acq On : 7 Jun 2019 2:51
 Operator : JU/SJ
 Sample : K3136-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-24(6.5-7)MSD

Manual Integrations
 APPROVED

mohammad
 6/7/2019 2:10:59 PM

Quant Time: Jun 07 05:42:34 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 05 14:35:58 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1305	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	4601	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	6149	0.40	ng	0.01
19) Phenanthrene-d10	17.24	188	10123	0.40	ng	0.01
27) Chrysene-d12	21.45	240	13357	0.40	ng	0.04
34) Perylene-d12	24.01	264	23077	0.40	ng	0.07

System Monitoring Compounds

4) 2-Fluorophenol	5.37	112	1375	0.43	ng	0.01
5) Phenol-d6	6.97	99	2039	0.50	ng	0.01
8) Nitrobenzene-d5	8.97	82	1965	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	2879m	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	1238	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	4660	0.20	ng	0.00
25) Fluoranthene-d10	19.28	212	39330m	0.26	ng	0.02
29) Terphenyl-d14	19.86	244	17793m	0.81	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.29	88	301	0.159	ng	# 69
3) n-Nitrosodimethylamine	3.61	42	258	0.257	ng	# 85
6) bis(2-Chloroethyl)ether	7.23	93	1395	0.390	ng	# 74
9) Naphthalene	10.67	128	6009526	122.340	ng	99
10) Hexachlorobutadiene	10.94	225	1144	0.306	ng	97
12) 2-Methylnaphthalene	12.30	142	530762	67.770	ng	98
16) Acenaphthylene	14.21	152	172781	5.824	ng	# 94
17) Acenaphthene	14.56	154	687362	42.327	ng	98
18) Fluorene	15.53	166	1278879	53.467	ng	98
20) 4-Bromophenyl-phenylether	16.43	248	1927	0.341	ng	# 34
21) Hexachlorobenzene	16.55	284	1901	0.307	ng	# 74
22) Pentachlorophenol	16.91	266	2430	1.475	ng	88
23) Phenanthrene	17.31	178	6850887	283.579	ng	94
24) Anthracene	17.39	178	2711318	124.183	ng	99
26) Fluoranthene	19.34	202	8694532	205.379	ng	# 94
28) Pyrene	19.70	202	8352716	258.896	ng	# 76
30) Benzo(a)anthracene	21.43	228	5603160	151.841	ng	# 90
31) Chrysene	21.49	228	5296388m	129.880	ng	
32) Bis(2-ethylhexyl)phthalate	21.32	149	64214	1.516	ng	# 86
33) Indeno(1,2,3-cd)pyrene	26.77	276	2258121	46.223	ng	# 93
35) Benzo(b)fluoranthene	23.25	252	6290967	98.470	ng	# 96
36) Benzo(k)fluoranthene	23.28	252	2526673m	37.255	ng	
37) Benzo(a)pyrene	23.93	252	4754204	76.763	ng	# 93
38) Dibenzo(a,h)anthracene	26.77	278	535625	8.502	ng	# 87
39) Benzo(g,h,i)perylene	27.62	276	2013981	30.429	ng	# 96

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

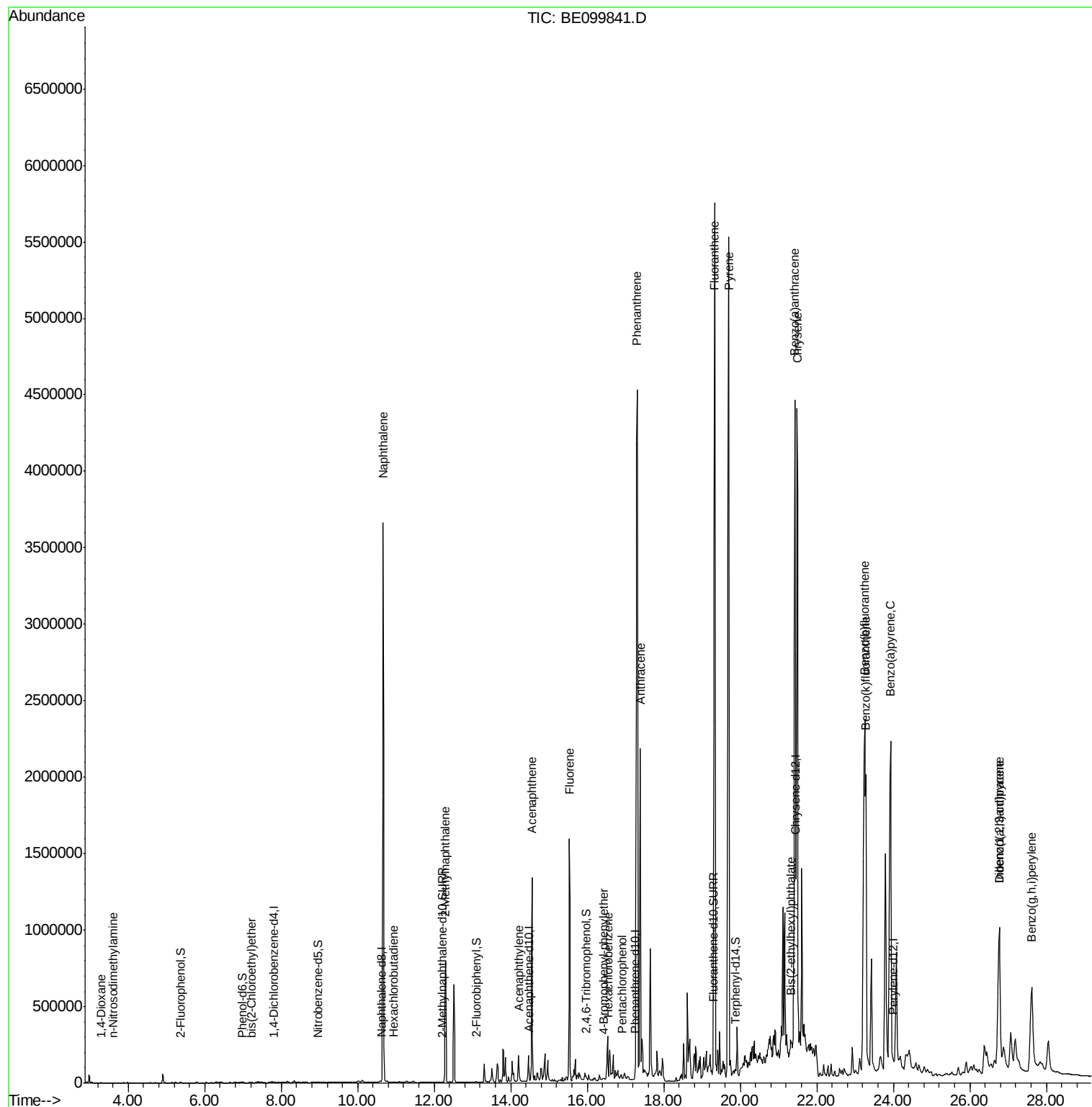
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060619\
Data File : BE099841.D
Acq On : 7 Jun 2019 2:51
Operator : JU/SJ
Sample : K3136-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
FESB-24(6.5-7)MSD

Manual Integrations
APPROVED

mohammad
6/7/2019 2:10:59 PM

Quant Time: Jun 07 05:42:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 05 14:35:58 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.00 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

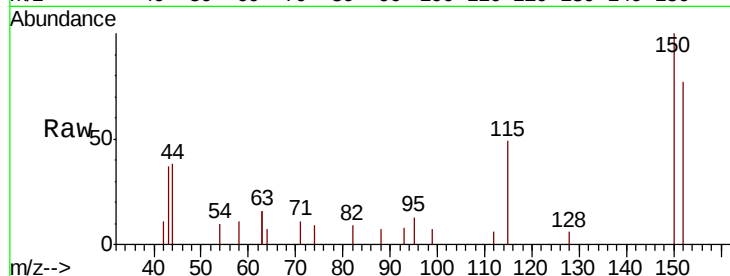
ClientSampleId :

FESB-24(6.5-7)MSD

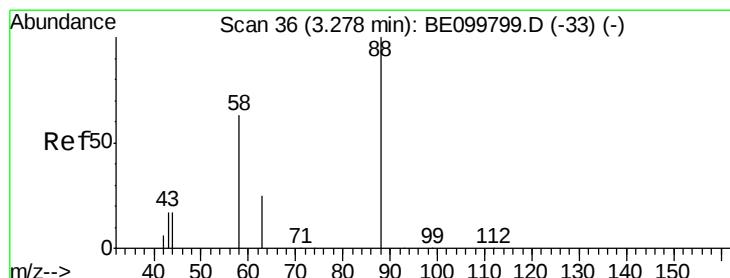
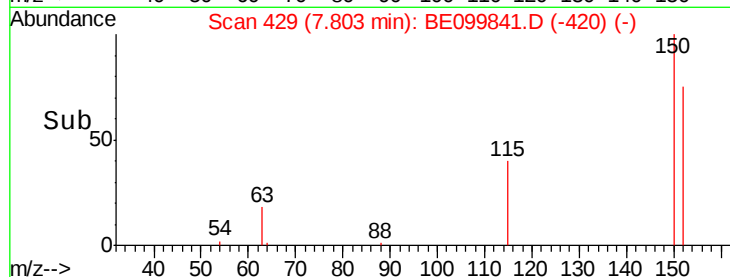
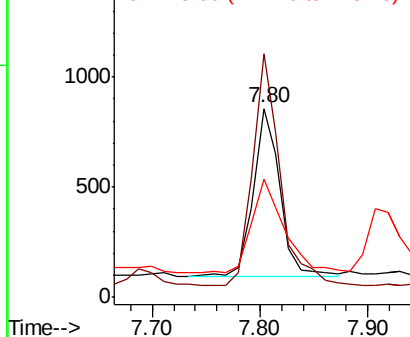
Tot Ion:	152	Resp:	1305
Ion	Ratio	Lower	Upper
152	100		
150	129.1	112.8	169.2
115	62.6	47.6	71.4

Manual Integrations
APPROVED

mohammad
6/7/2019 2:10:59 PM



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



#2

1,4-Dioxane

Concen: 0.159 ng

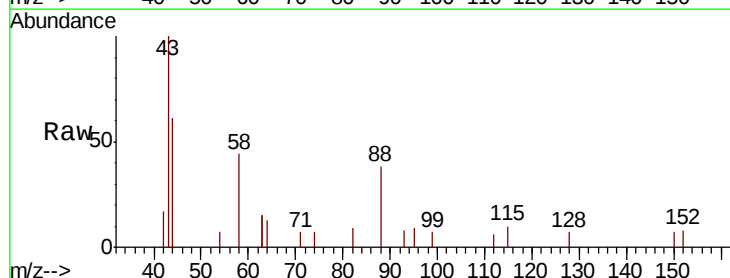
RT: 3.29 min Scan# 37

Delta R.T. 0.01 min

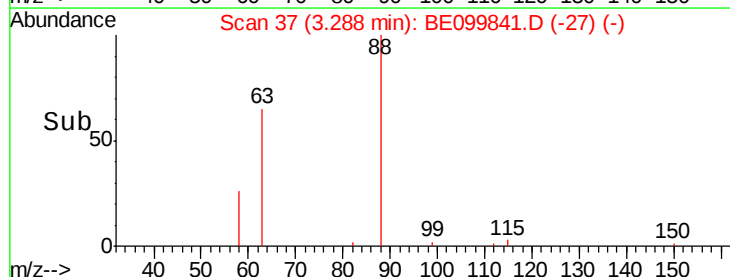
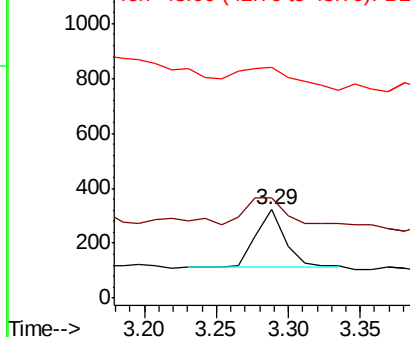
Lab File: BE099841.D

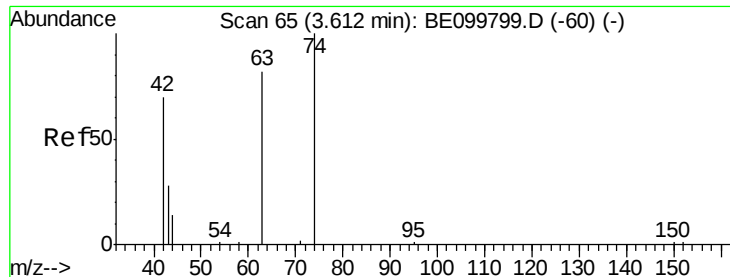
Acq: 7 Jun 2019 2:51

Tgt Ion:	88	Resp:	301
Ion	Ratio	Lower	Upper
88	100		
58	61.1	47.3	70.9
43	73.1	18.2	27.4



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.257 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.00 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

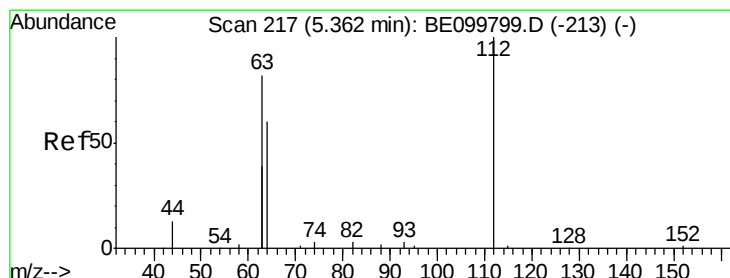
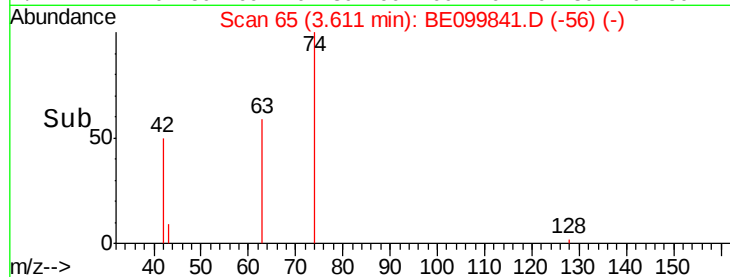
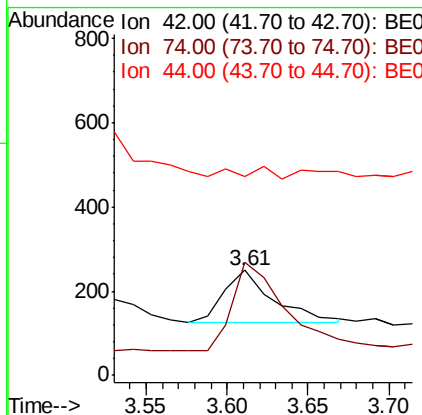
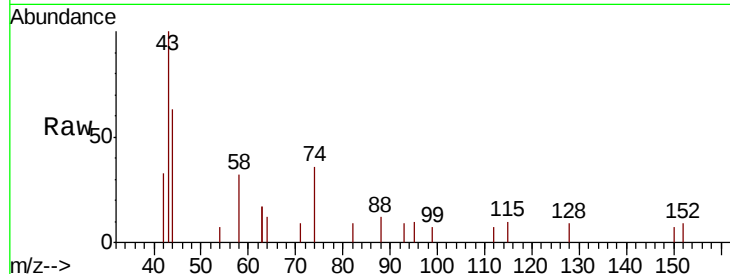
ClientSampleId :

FESB-24(6.5-7)MSD

Tot Ion:	42	Resp:	258
Ion	Ratio	Lower	Upper
42	100		
74	184.5	132.6	198.8
44	5.8	13.4	20.0#

Manual Integrations
APPROVED

mohammad
6/7/2019 2:10:59 PM



#4

2-Fluorophenol

Concen: 0.433 ng

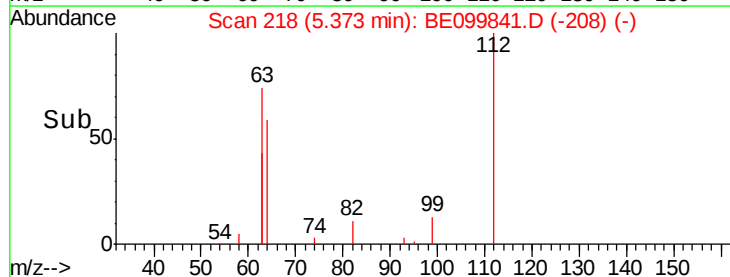
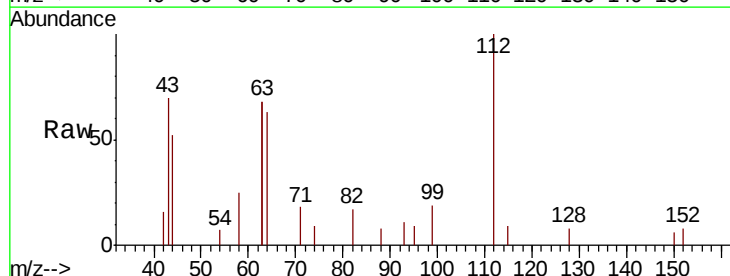
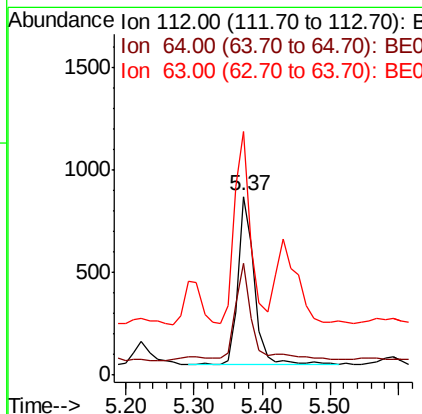
RT: 5.37 min Scan# 218

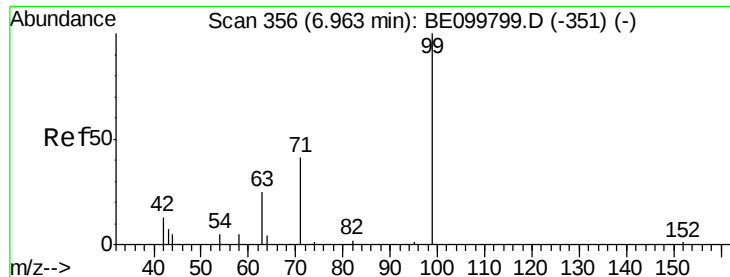
Delta R.T. 0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Tgt Ion:	112	Resp:	1375
Ion	Ratio	Lower	Upper
112	100		
64	51.8	47.2	70.8
63	110.8	90.7	136.1





#5

Phenol-d6

Concen: 0.499 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

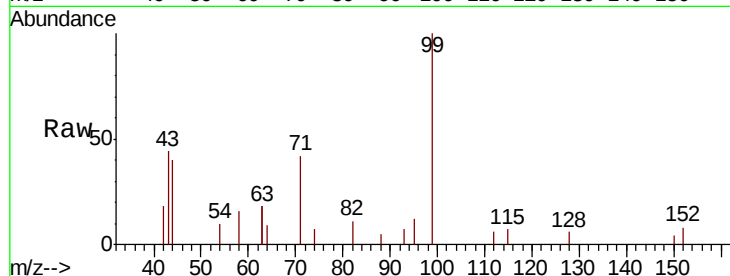
ClientSampleId :

FESB-24(6.5-7)MSD

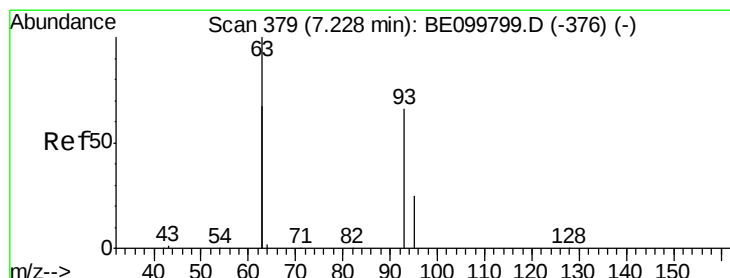
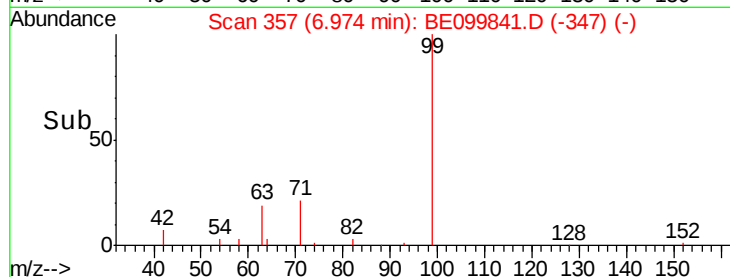
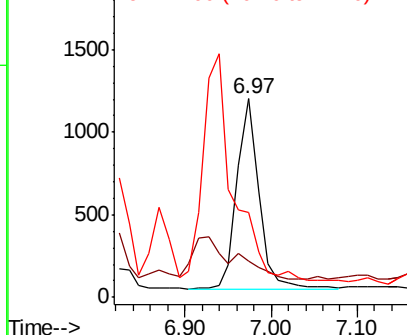
Tot Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.0	16.4#
71	0.0	26.1	39.1#

Manual Integrations
APPROVED

mohammad
6/7/2019 2:10:59 PM



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.390 ng

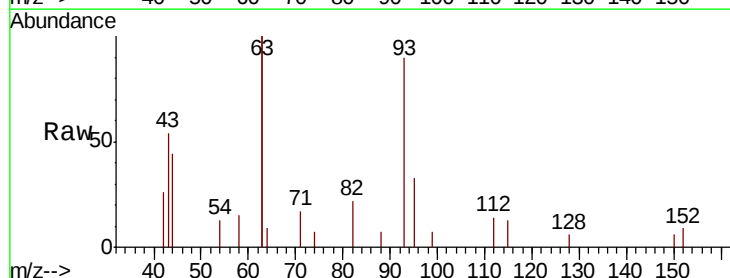
RT: 7.23 min Scan# 379

Delta R.T. -0.00 min

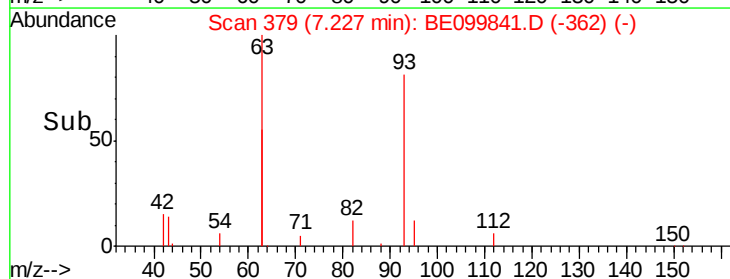
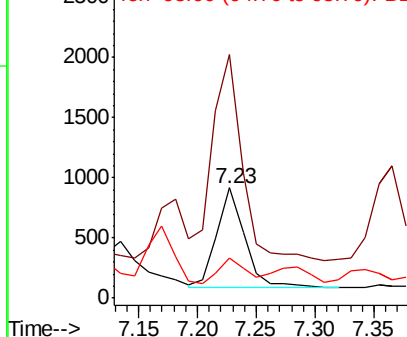
Lab File: BE099841.D

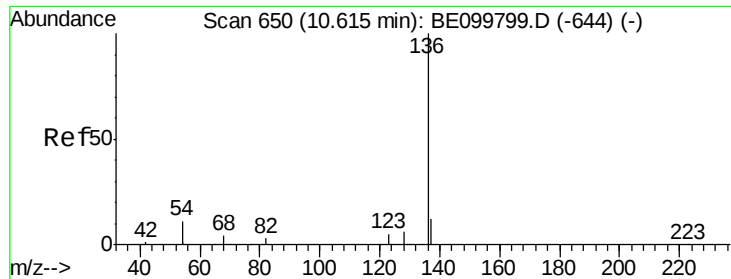
Acq: 7 Jun 2019 2:51

Tgt Ion	Ratio	Lower	Upper
93	100		
63	212.0	208.8	313.2
95	22.9	27.6	41.4#



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

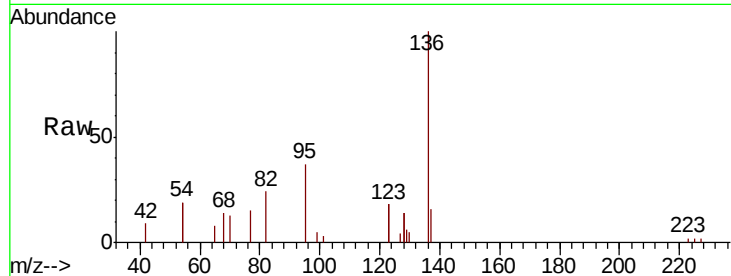
ClientSampleId :

FESB-24(6.5-7)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		4601		
137	15.9		11.1	16.7	
54	38.1		17.9	26.9	
68	14.1		5.4	8.0	

Manual Integrations
APPROVED

mohammad
6/7/2019 2:10:59 PM



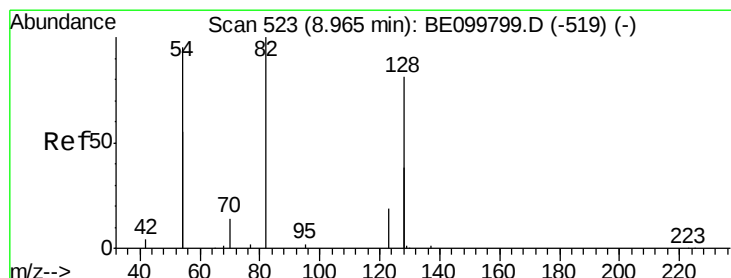
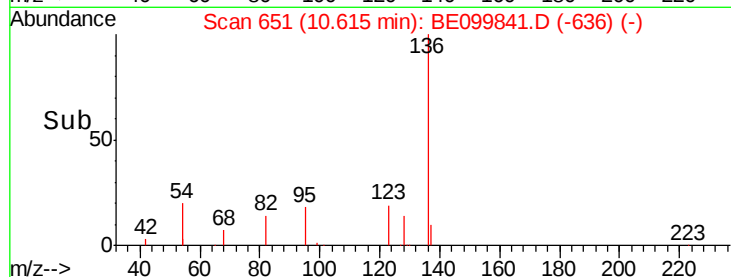
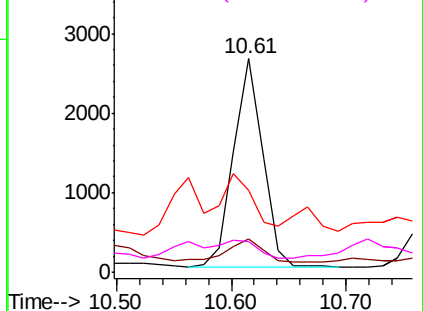
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.486 ng

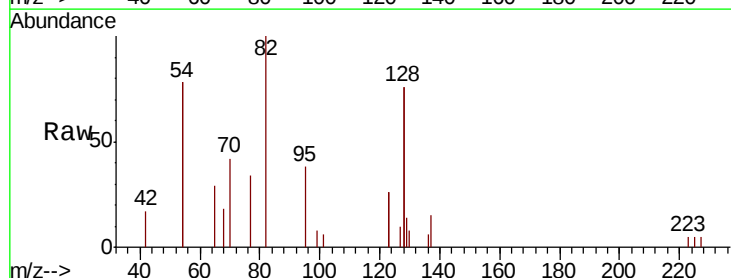
RT: 8.97 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1965		
128	151.2		116.6	175.0	
54	155.6		136.2	204.4	

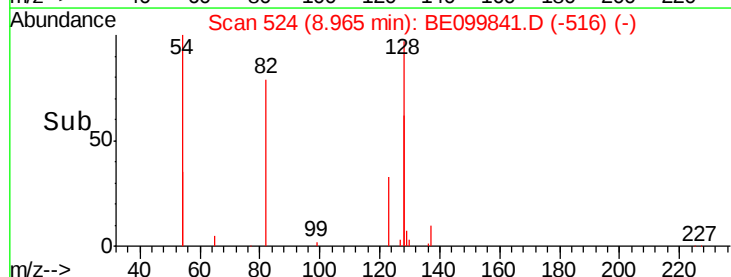
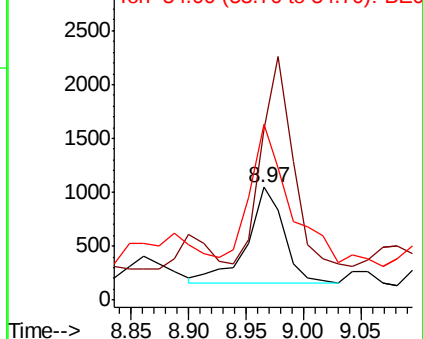


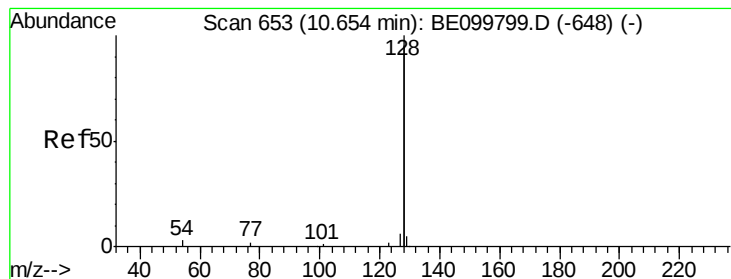
Abundance

Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 122.340 ng

RT: 10.67 min Scan# 655

Delta R.T. 0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD

Tot Ion:128 Resp: 6009526

Ion Ratio Lower Upper

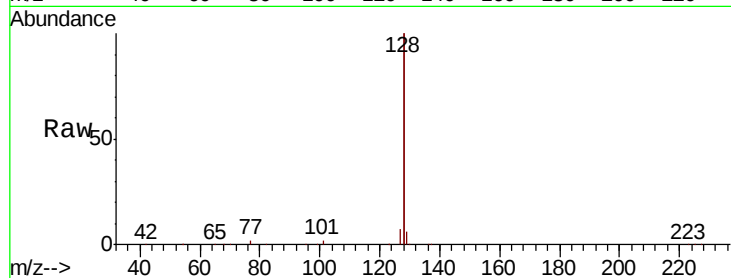
128 100

129 2.8 2.6 4.0

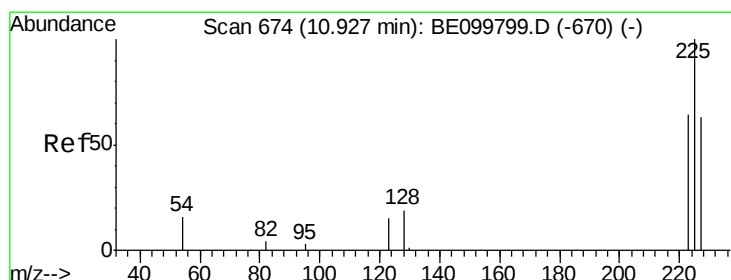
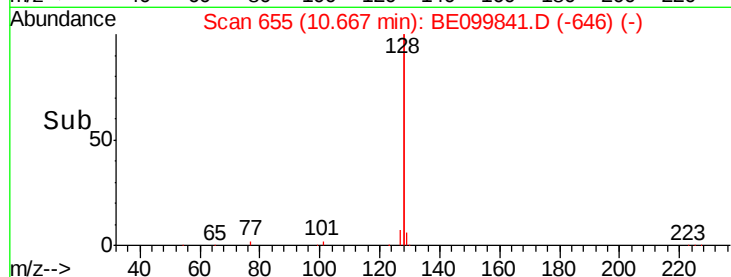
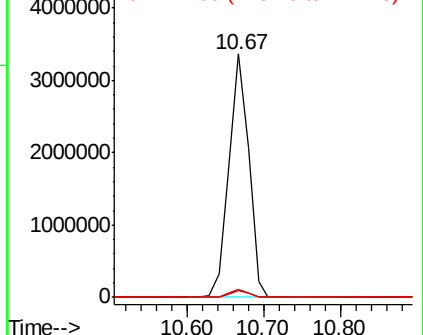
127 3.5 3.0 4.6

Manual Integrations
APPROVED

mohammad
6/7/2019 2:10:59 PM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.306 ng

RT: 10.94 min Scan# 676

Delta R.T. 0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

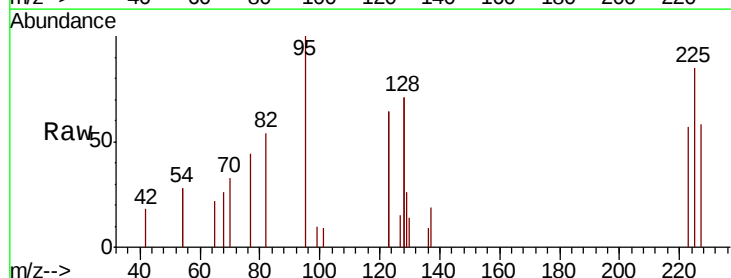
Tgt Ion:225 Resp: 1144

Ion Ratio Lower Upper

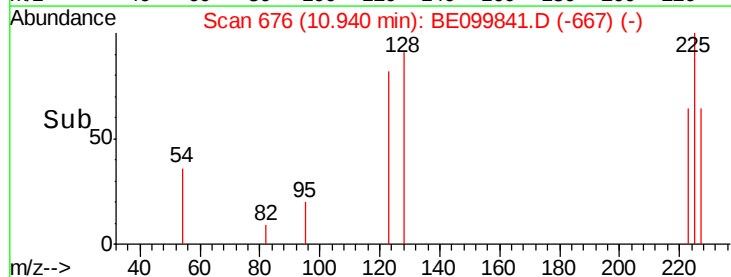
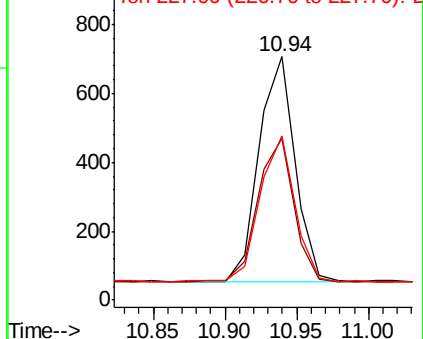
225 100

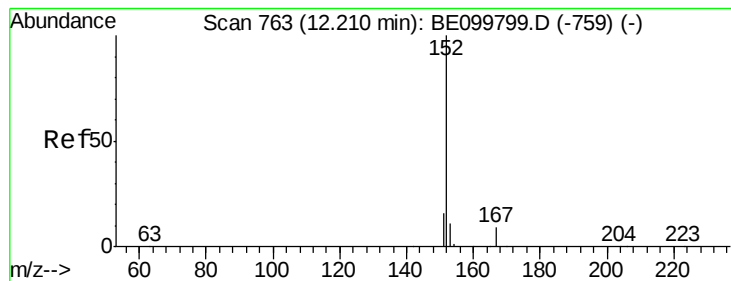
223 63.3 48.6 72.8

227 62.4 51.6 77.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





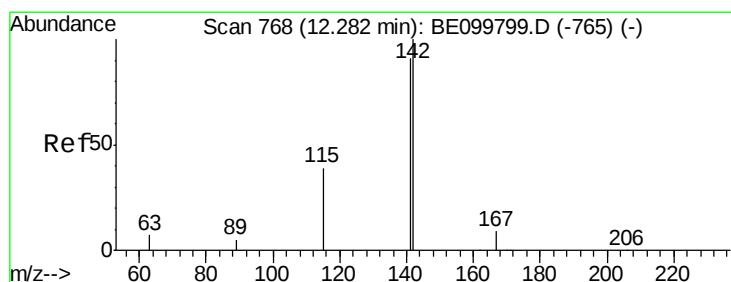
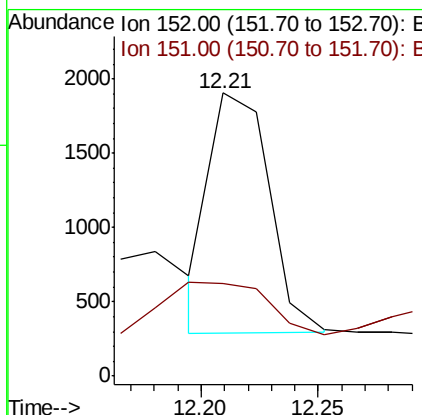
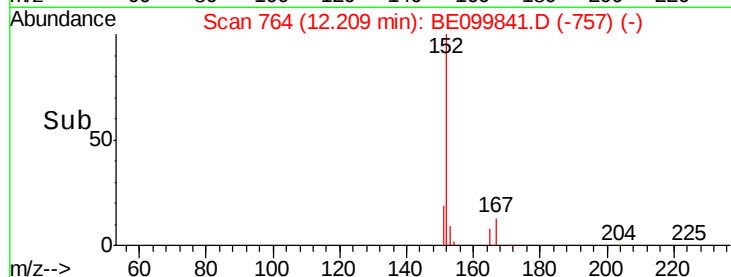
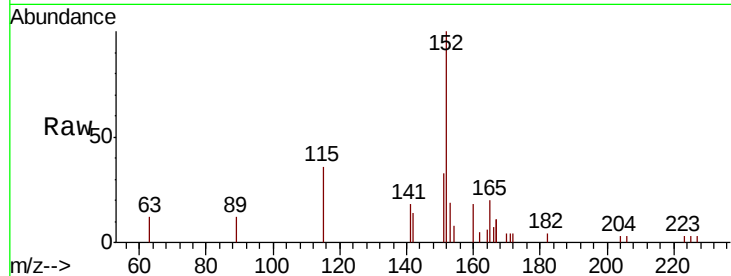
#11
 2-Methylnaphthalene-d10
 Concen: 0.364 ng/ml
 RT: 12.21 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE099841.D
 Acq: 7 Jun 2019 2:51

Instrument :
 BNA_E
 ClientSampleId :
 FESB-24(6.5-7)MSD

Tot Ion:152 Resp: 2879
 Ion Ratio Lower Upper
 152 100
 151 38.7 15.8 23.8#

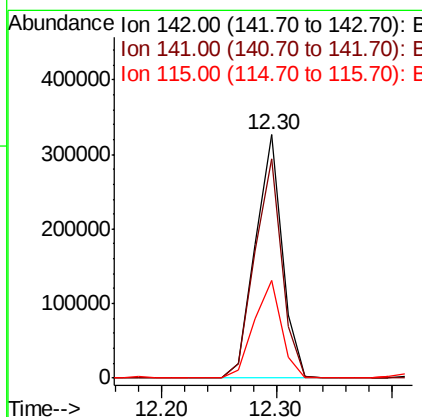
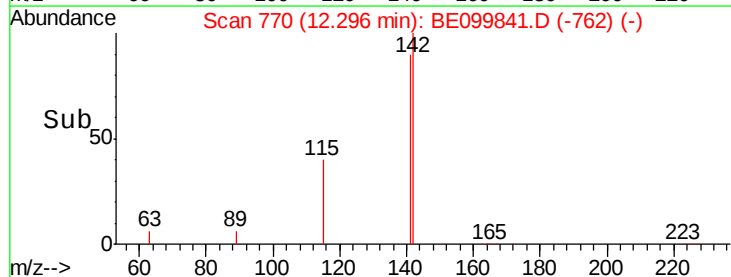
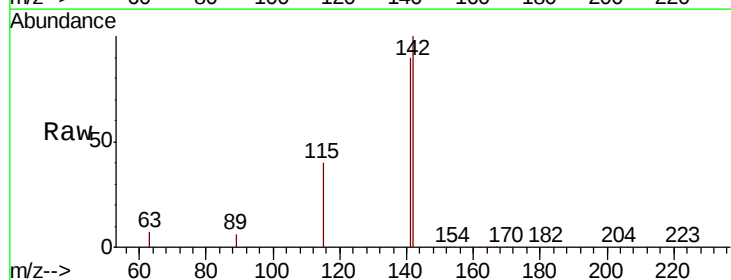
Manual Integrations
 APPROVED

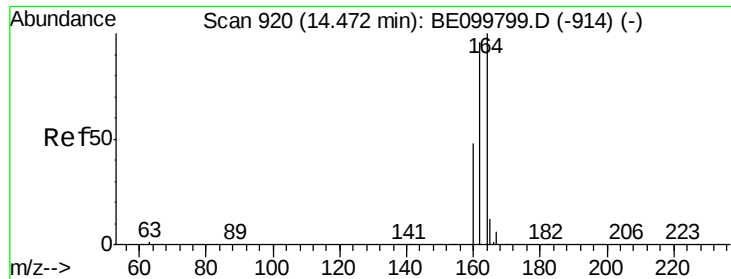
mohammad
 6/7/2019 2:10:59 PM



#12
 2-Methylnaphthalene
 Concen: 67.770 ng
 RT: 12.30 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: BE099841.D
 Acq: 7 Jun 2019 2:51

Tgt Ion:142 Resp: 530762
 Ion Ratio Lower Upper
 142 100
 141 89.9 73.3 109.9
 115 40.2 33.4 50.2





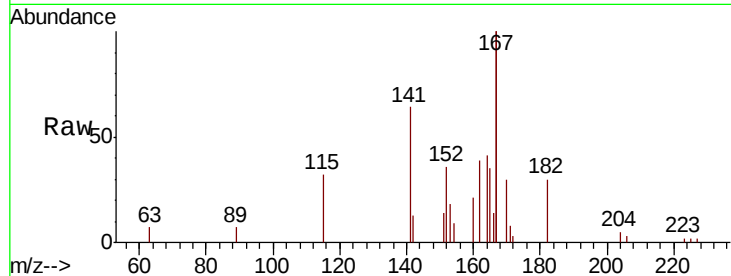
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: BE099841.D
 Acq: 7 Jun 2019 2:51

Instrument :
 BNA_E
 ClientSampled :
 FESB-24(6.5-7)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	95.8	77.2	115.8
160	51.1	39.4	59.2

Manual Integrations
 APPROVED

mohammad
 6/7/2019 2:10:59 PM

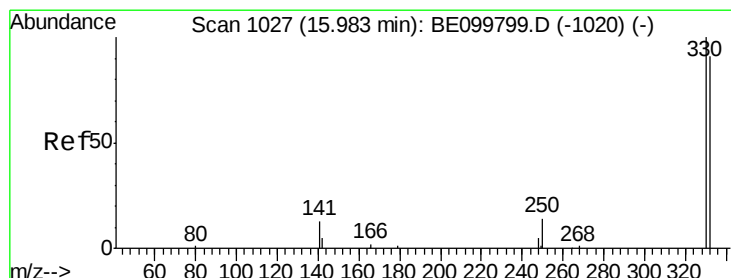
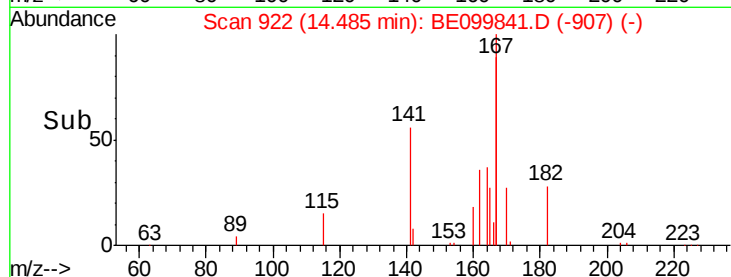
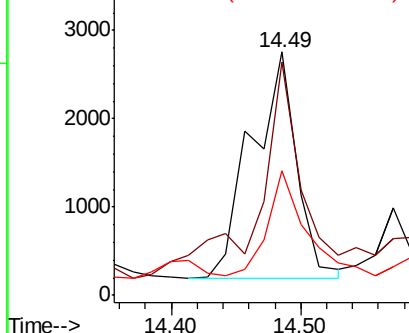


Abundance

Ion 164.00 (163.70 to 164.70): E

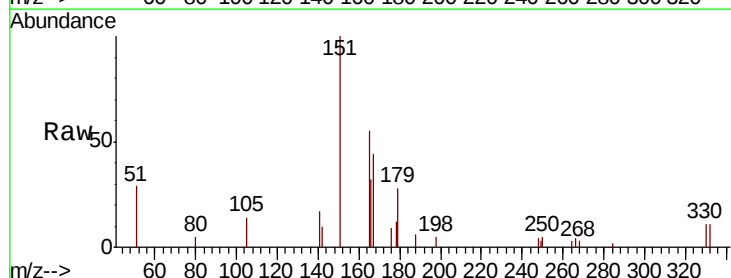
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
 2,4,6-Tribromophenol
 Concen: 0.398 ng
 RT: 15.98 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BE099841.D
 Acq: 7 Jun 2019 2:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	74.9	112.3
141	93.3	16.0	24.0#

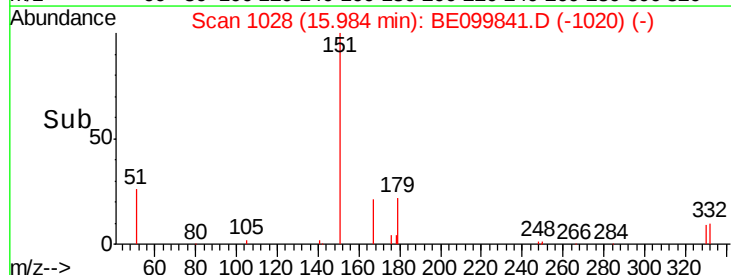
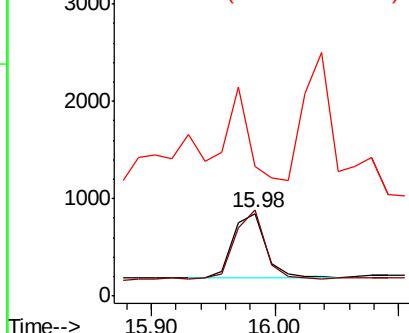


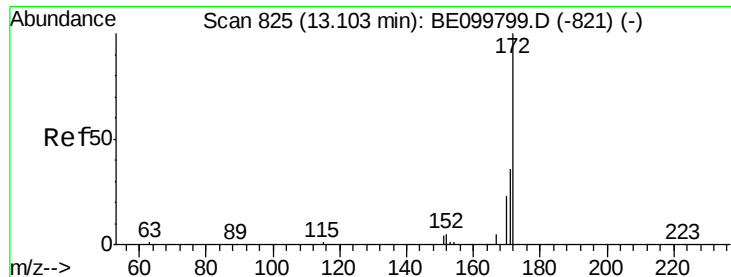
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





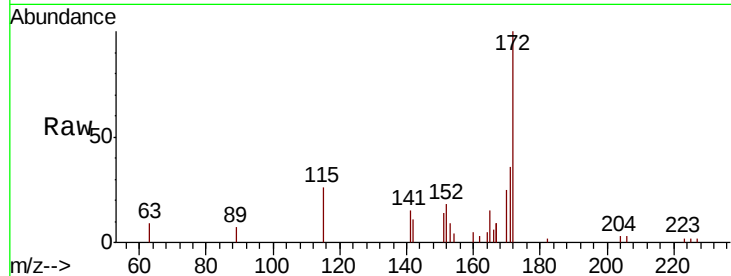
#15
2-Fluorobiphenyl
Concen: 0.204 ng
RT: 13.10 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Instrument :
BNA_E
ClientSampleId :
FESB-24(6.5-7)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.2	45.4
170	24.7	20.1	30.1

Manual Integrations
APPROVED

mohammad
6/7/2019 2:10:59 PM

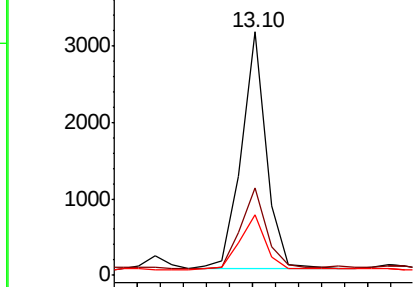


Abundance

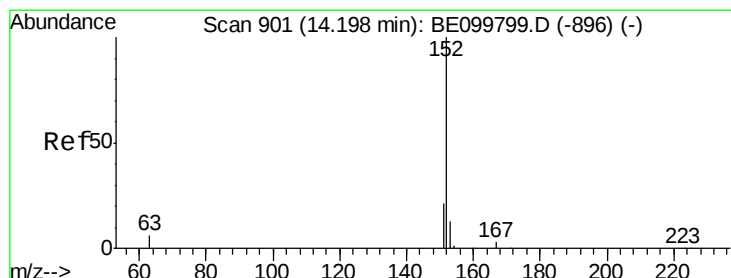
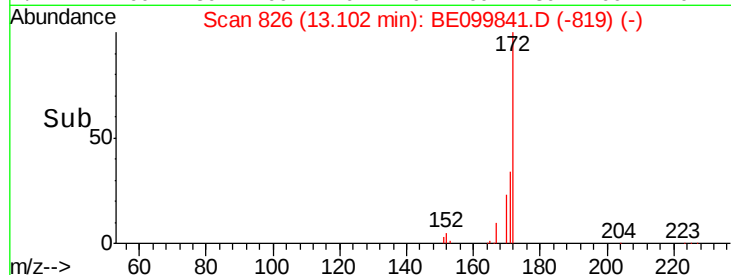
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

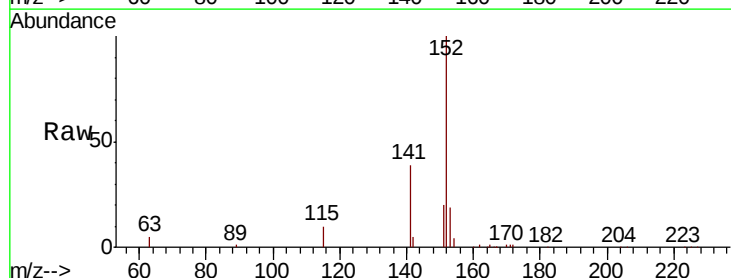


Time-->



#16
Acenaphthylene
Concen: 5.824 ng
RT: 14.21 min Scan# 903
Delta R.T. 0.01 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	18.8	10.8	16.2#

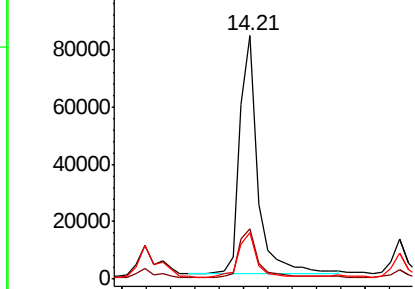


Abundance

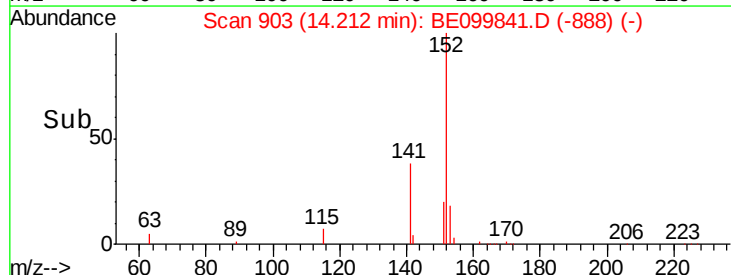
Ion 152.00 (151.70 to 152.70): E

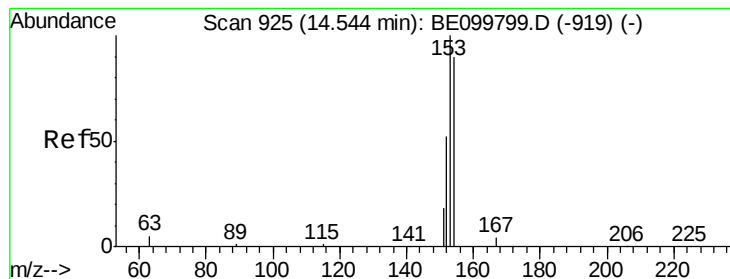
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->





#17

Acenaphthene

Concen: 42.327 ng

RT: 14.56 min Scan# 927

Delta R.T. 0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

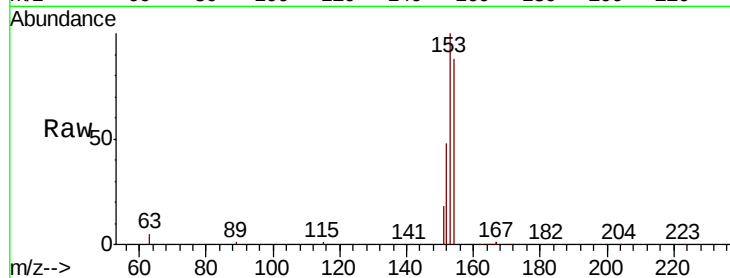
ClientSampleId :

FESB-24(6.5-7)MSD

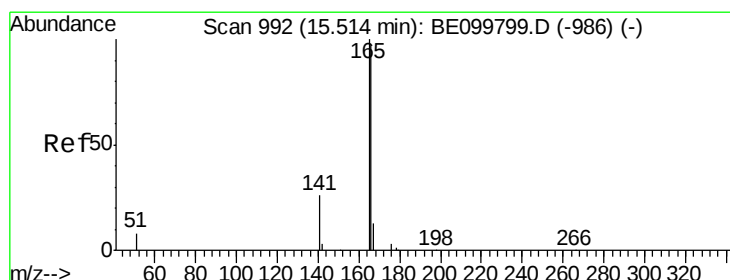
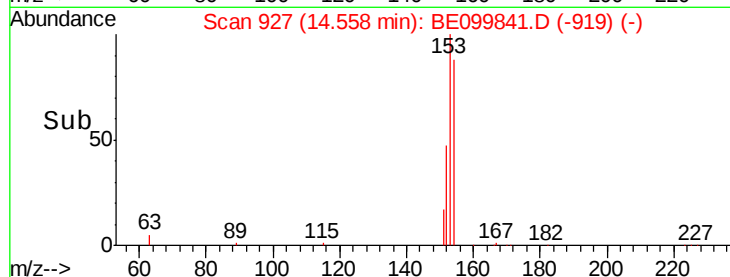
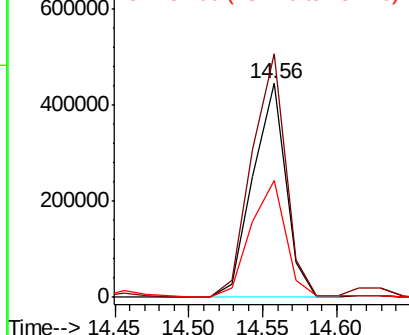
Tot Ion:	154	Resp:	687362
Ion Ratio	Lower	Upper	
154	100		
153	116.5	93.8	140.6
152	57.2	48.3	72.5

Manual Integrations
APPROVED

mohammad
6/7/2019 2:10:59 PM



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: 53.467 ng

RT: 15.53 min Scan# 994

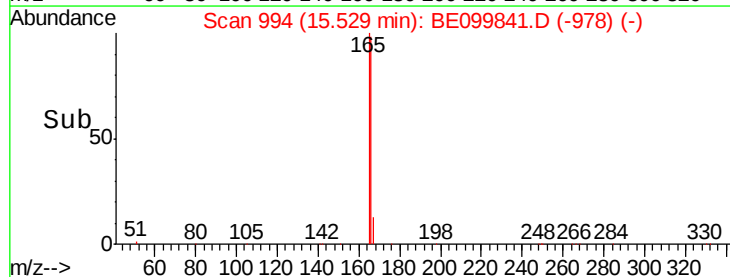
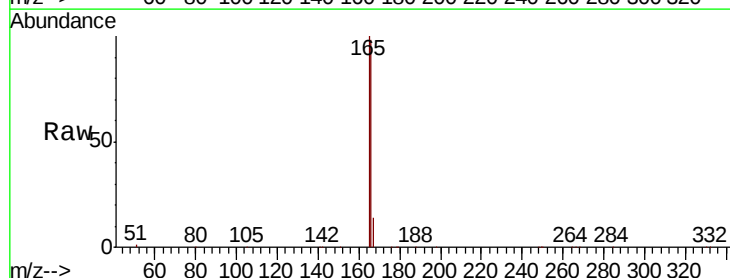
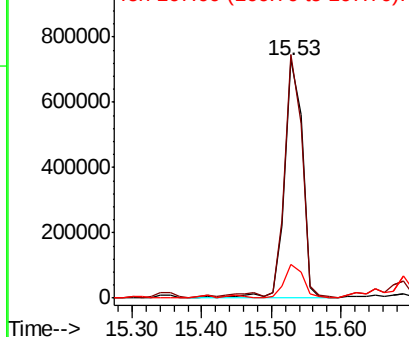
Delta R.T. 0.01 min

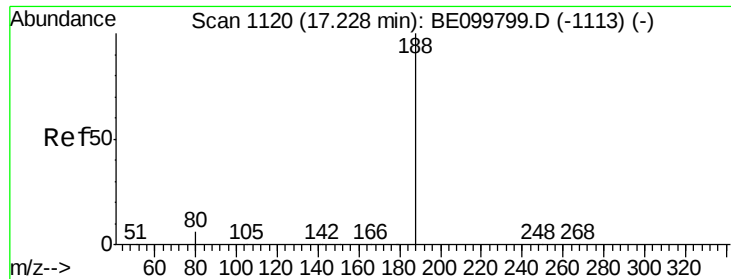
Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Tgt Ion:	166	Resp:	1278879
Ion Ratio	Lower	Upper	
166	100		
165	101.9	80.4	120.6
167	14.7	10.7	16.1

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





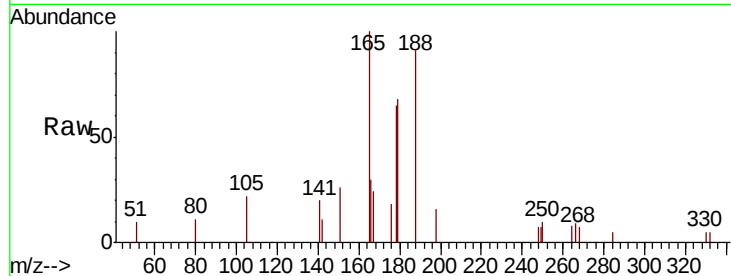
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Instrument :
BNA_E
ClientSampleId :
FESB-24(6.5-7)MSD

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.4	5.2	7.8#

Manual Integrations
APPROVED

mohammad
6/7/2019 2:10:59 PM

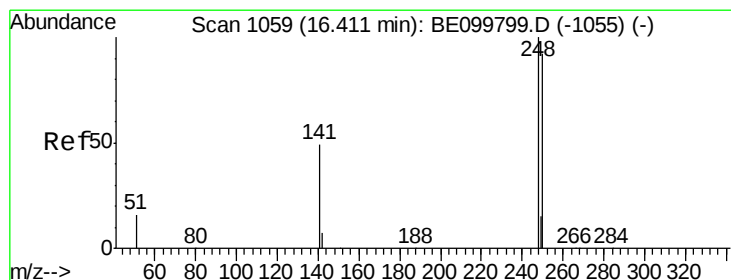
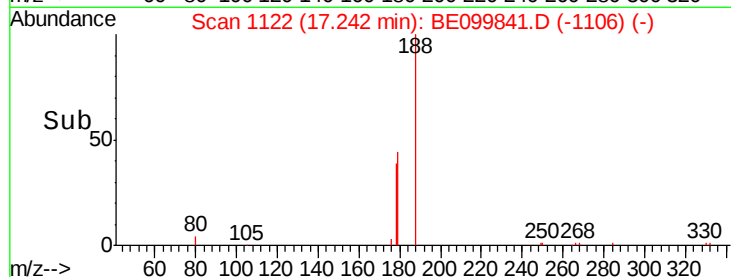
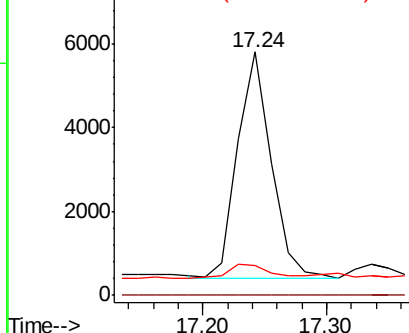


Abundance

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



#20
4-Bromophenyl-phenylether
Concen: 0.341 ng
RT: 16.43 min Scan# 1061
Delta R.T. 0.01 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

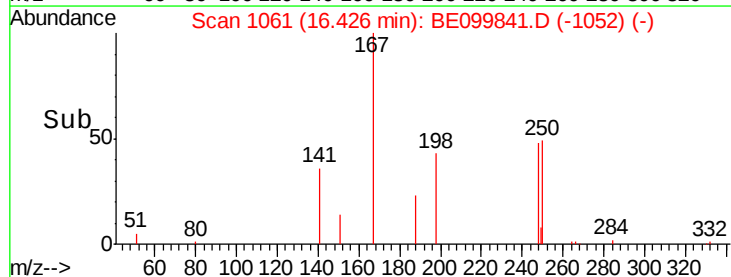
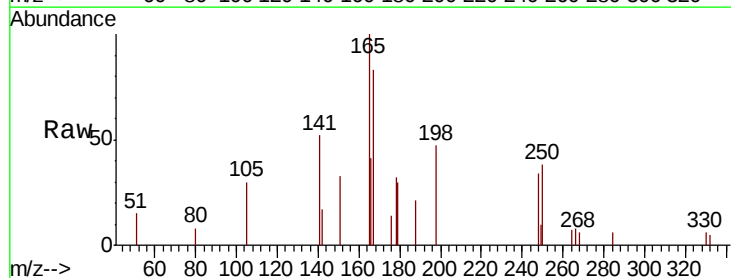
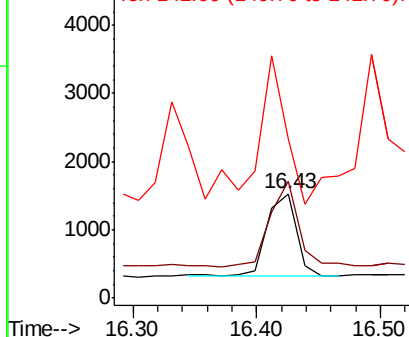
Tgt Ion	Ratio	Resp Lower	Upper
248	100		
250	112.5	73.7	110.5#
141	152.5	40.9	61.3#

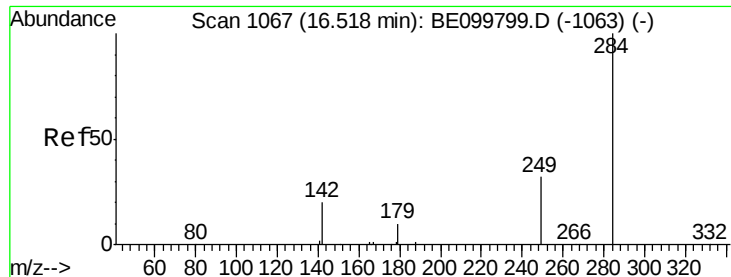
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.307 ng

RT: 16.55 min Scan# 1070

Delta R.T. 0.03 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

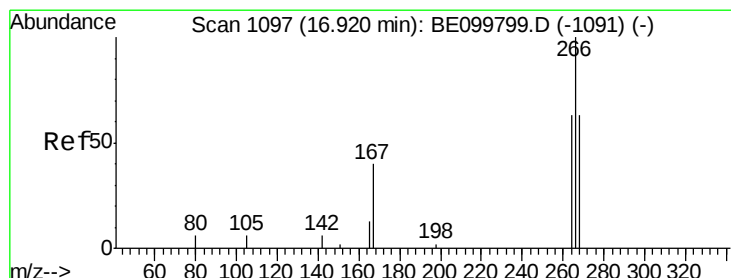
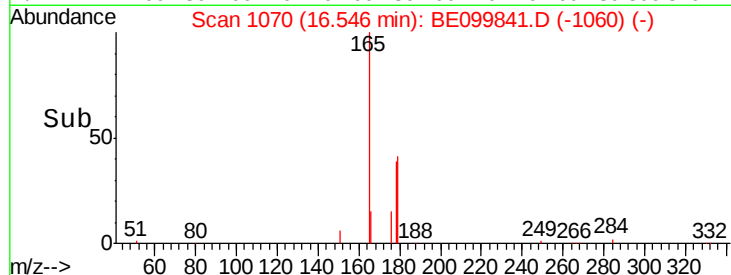
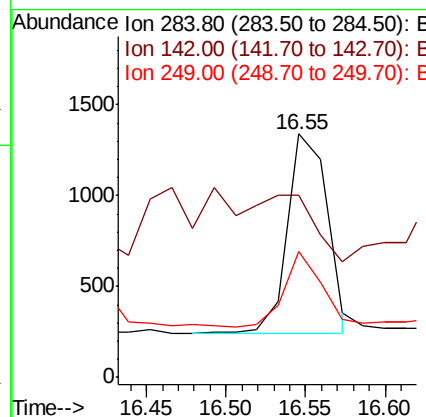
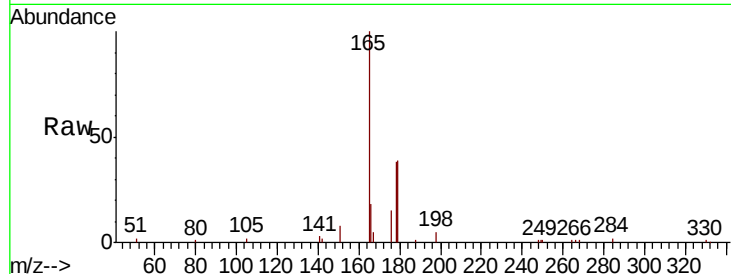
ClientSampleId :

FESB-24(6.5-7)MSD

Tot Ion:	284	Resp:	1901
Ion Ratio	Lower	Upper	
284	100		
142	0.0	16.2	24.4#
249	36.0	23.1	34.7#

Manual Integrations
APPROVED

mohammad
6/7/2019 2:10:59 PM



#22

Pentachlorophenol

Concen: 1.475 ng

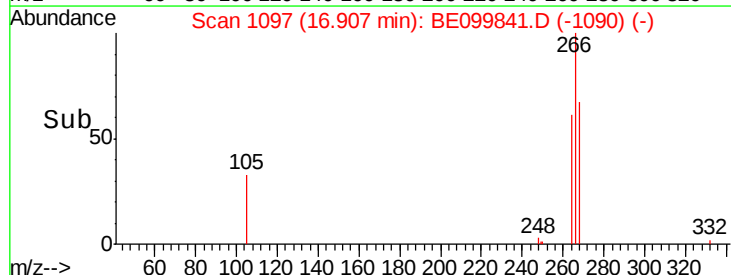
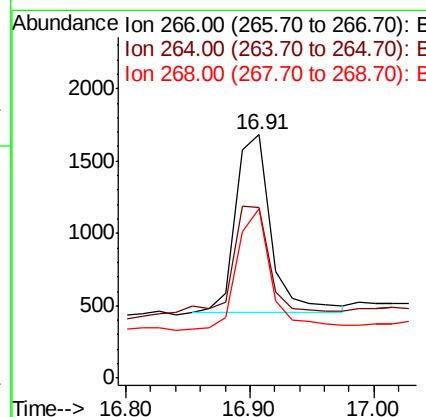
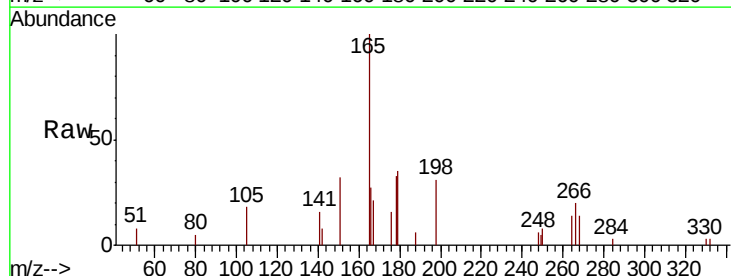
RT: 16.91 min Scan# 1097

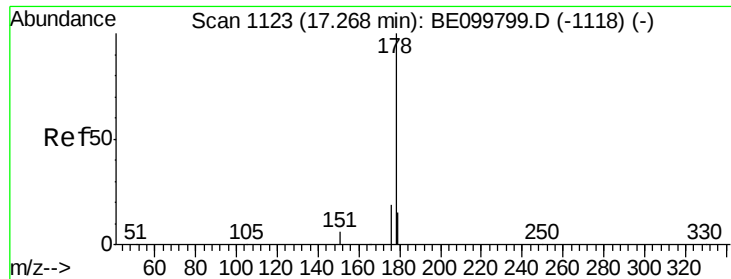
Delta R.T. -0.01 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Tgt Ion:	266	Resp:	2430
Ion Ratio	Lower	Upper	
266	100		
264	70.1	64.9	97.3
268	69.6	64.0	96.0





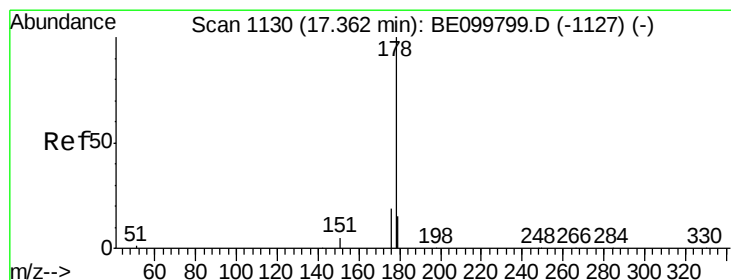
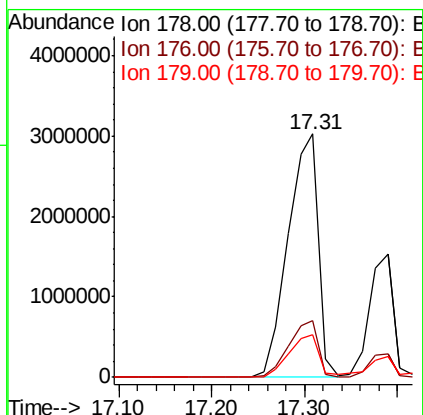
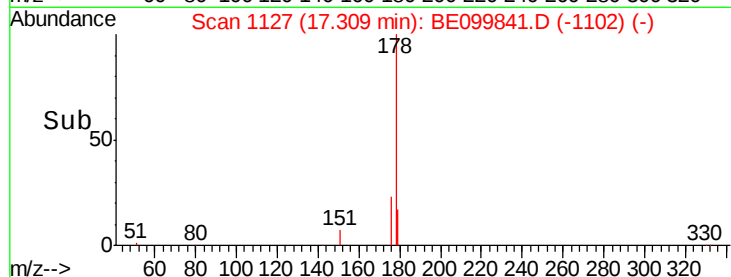
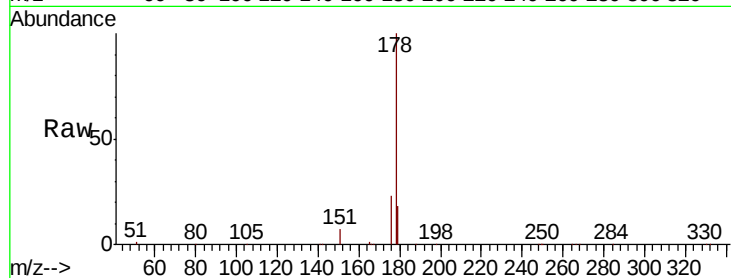
#23
Phenanthrene
Concen: 283.579 ng
RT: 17.31 min Scan# 1127
Delta R.T. 0.04 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Instrument :
BNA_E
ClientSampleId :
FESB-24(6.5-7)MSD

Tot Ion:178 Resp: 6850887
Ion Ratio Lower Upper
178 100
176 22.5 15.4 23.0
179 17.5 12.5 18.7

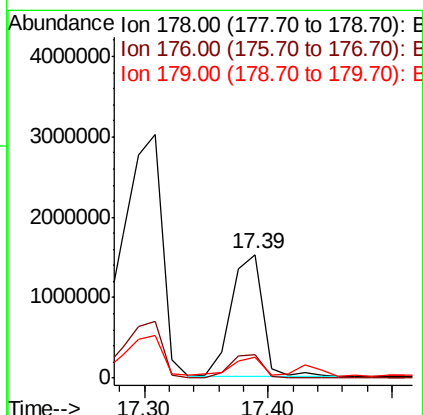
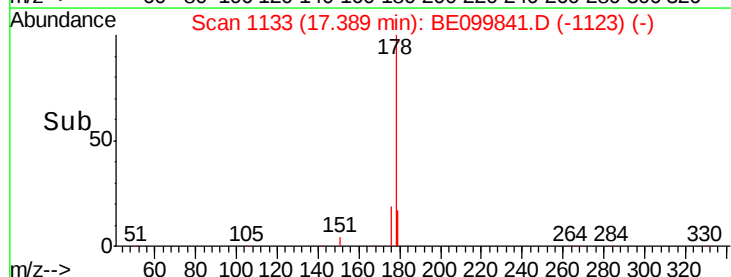
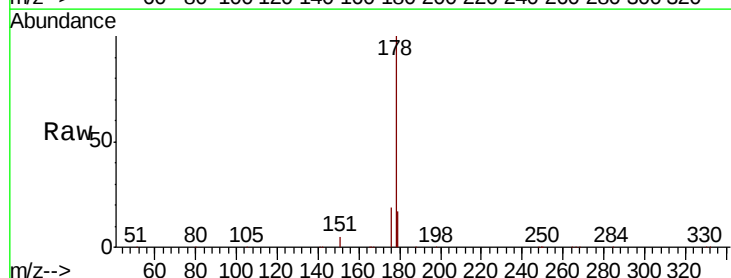
Manual Integrations
APPROVED

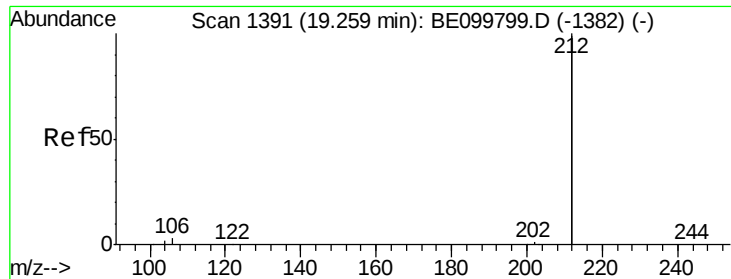
mohammad
6/7/2019 2:10:59 PM



#24
Anthracene
Concen: 124.183 ng
RT: 17.39 min Scan# 1133
Delta R.T. 0.03 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Tgt Ion:178 Resp: 2711318
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 15.2 12.1 18.1





#25

Fluoranthene-d10

Concen: 0.261 ng/mL

RT: 19.28 min Scan# 1396

Delta R.T. 0.02 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

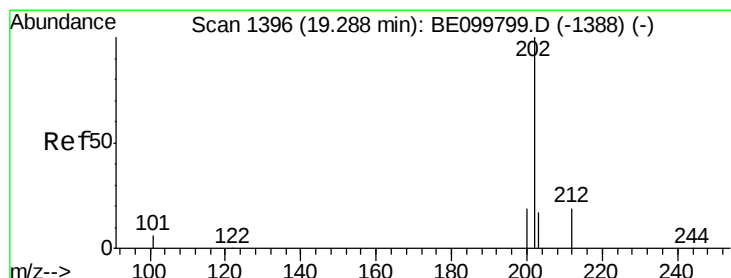
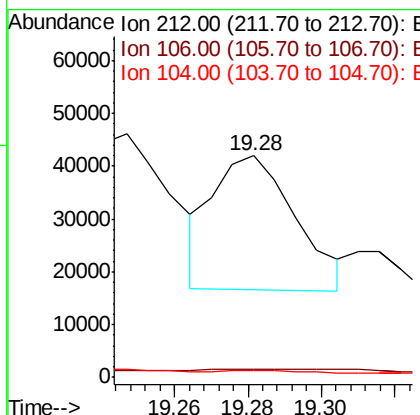
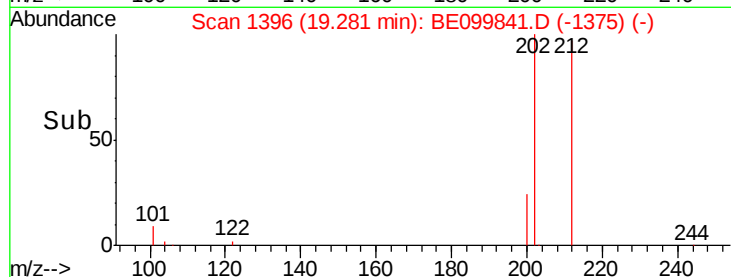
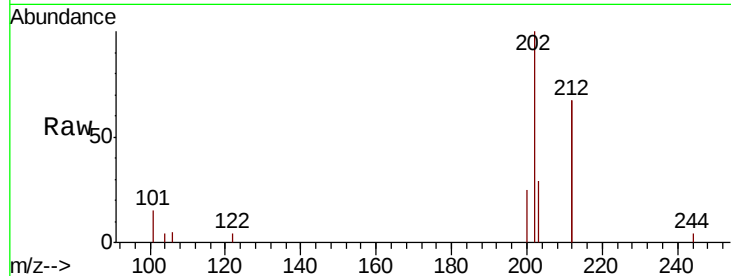
ClientSampleId :

FESB-24(6.5-7)MSD

Tot Ion:	212	Resp:	39330
Ion Ratio	Lower	Upper	
212	100		
106	1.3	1.4	2.0#
104	1.7	0.8	1.2#

Manual Integrations
APPROVED

mohammad
6/7/2019 2:10:59 PM



#26

Fluoranthene

Concen: 205.379 ng

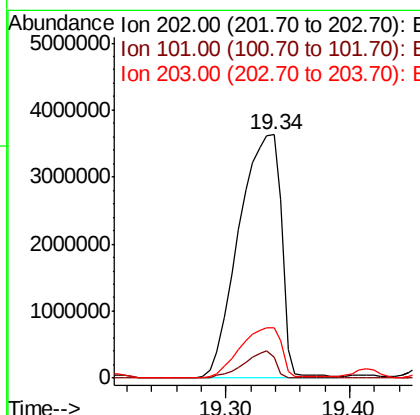
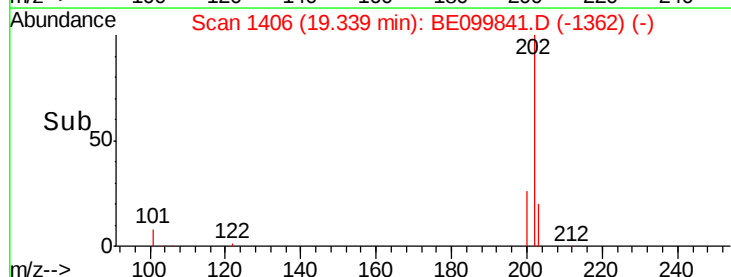
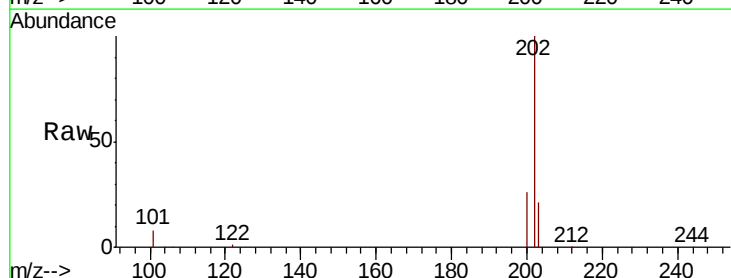
RT: 19.34 min Scan# 1406

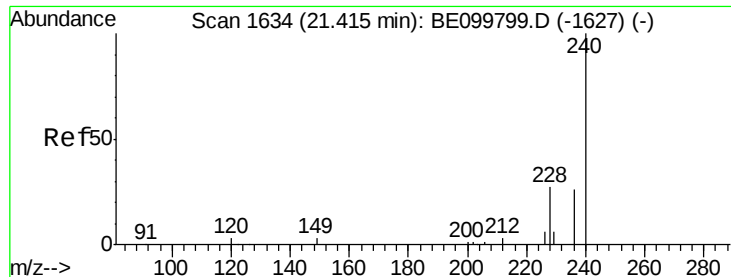
Delta R.T. 0.05 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Tgt Ion:	202	Resp:	8694532
Ion Ratio	Lower	Upper	
202	100		
101	8.3	5.2	7.8#
203	19.9	13.6	20.4





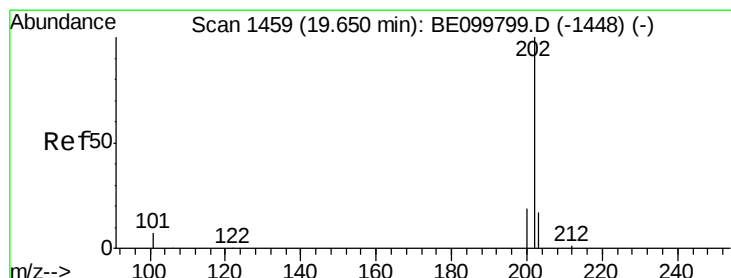
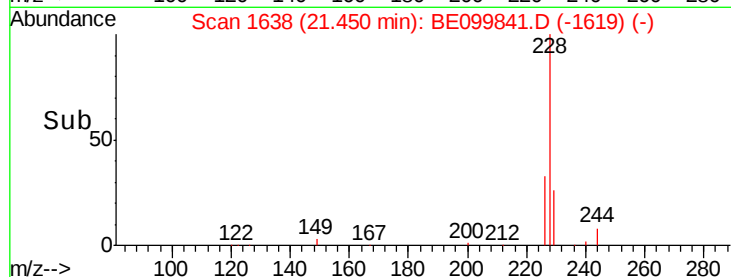
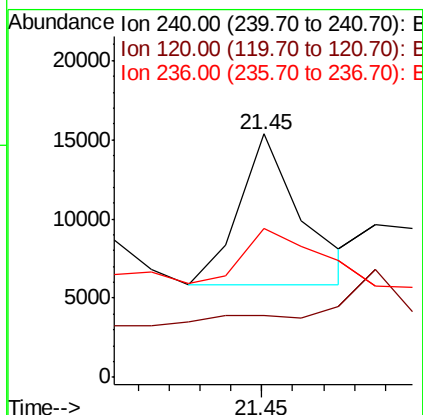
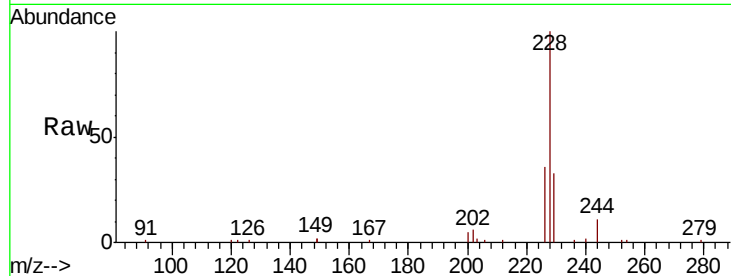
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1638
Delta R.T. 0.04 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Instrument :
BNA_E
ClientSampleId :
FESB-24(6.5-7)MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	25.5	2.8	4.2#
236	61.0	20.9	31.3#

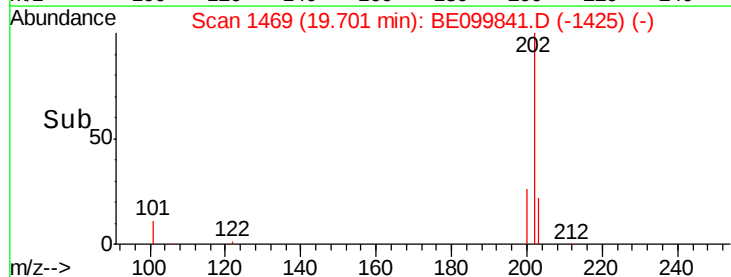
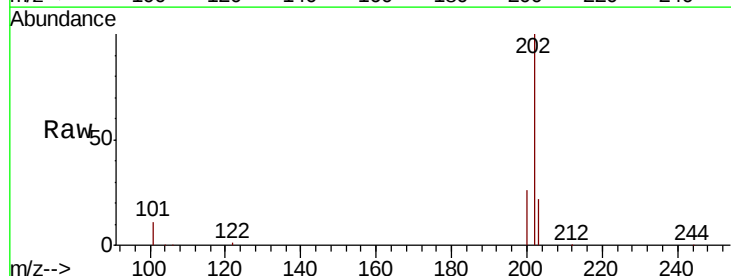
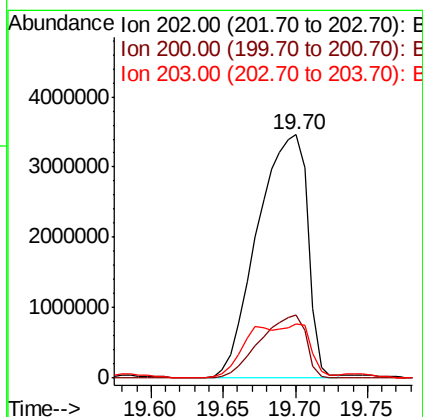
Manual Integrations
APPROVED

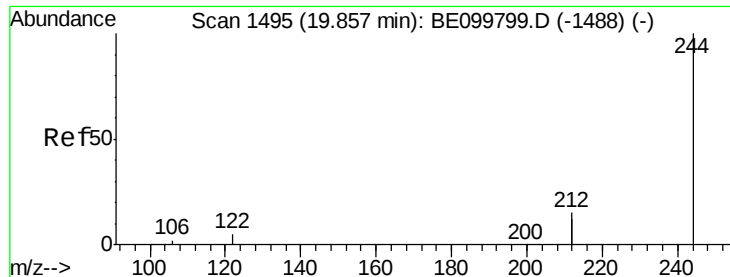
mohammad
6/7/2019 2:10:59 PM



#28
Pyrene
Concen: 258.896 ng
RT: 19.70 min Scan# 1469
Delta R.T. 0.05 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.9	15.6	23.4#
203	0.0	14.1	21.1#





#29

Terphenyl-d14

Concen: 0.812 ng/mL

RT: 19.86 min Scan# 1497

Delta R.T. 0.01 min

Lab File: BE099841.D

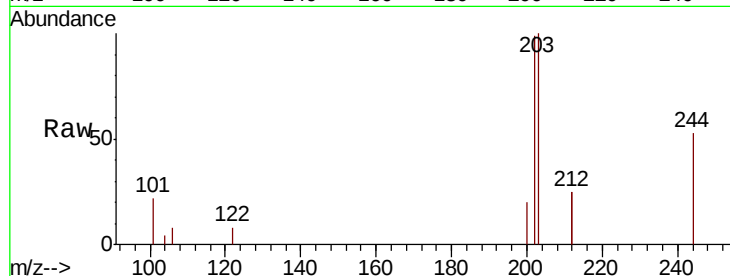
Acq: 7 Jun 2019 2:51

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD



Tot Ion: 244 Resp: 17793

Ion Ratio Lower Upper

244 100

212 46.6 23.7 35.5#

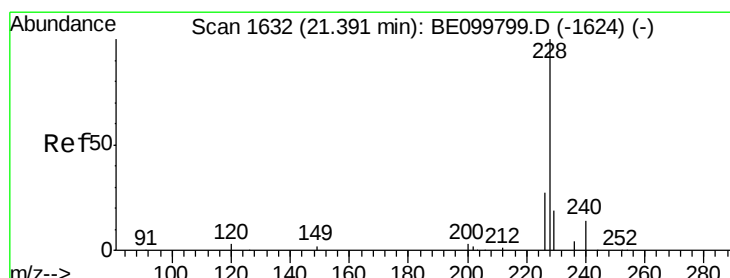
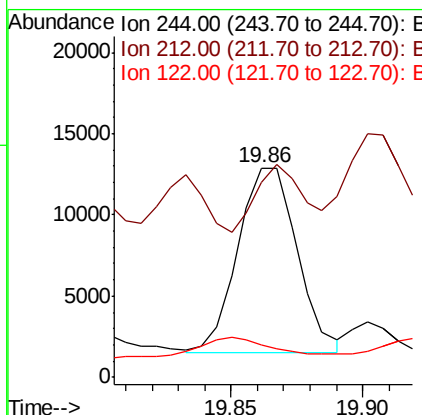
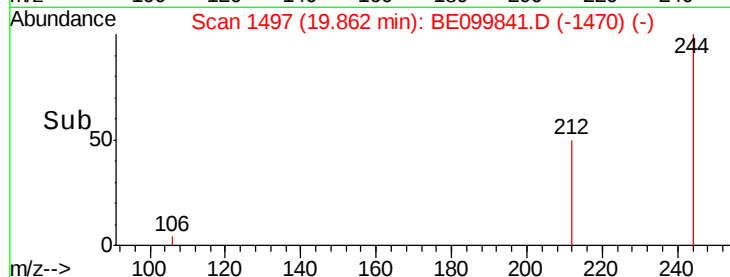
122 15.6 4.8 7.2#

Manual Integrations

APPROVED

mohammad

6/7/2019 2:10:59 PM



#30

Benzo(a)anthracene

Concen: 151.841 ng

RT: 21.43 min Scan# 1636

Delta R.T. 0.04 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

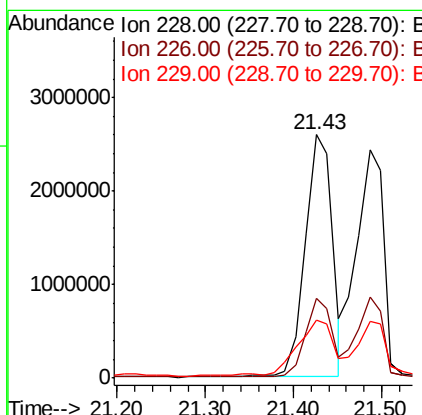
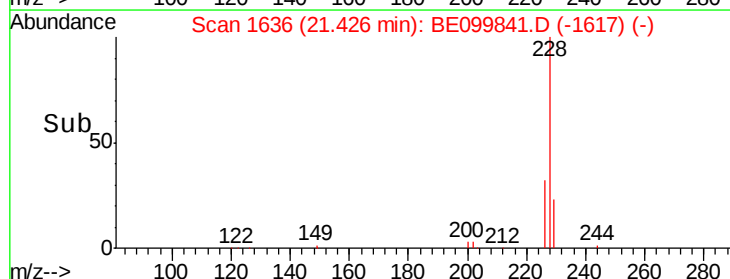
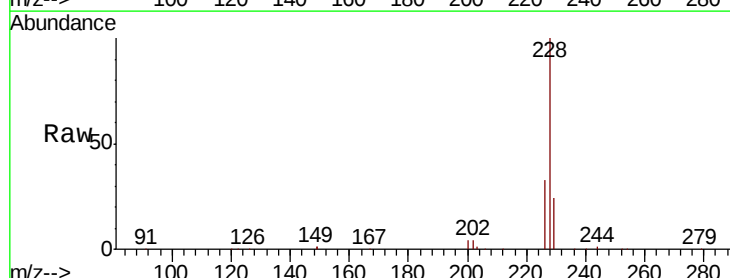
Tgt Ion: 228 Resp: 5603160

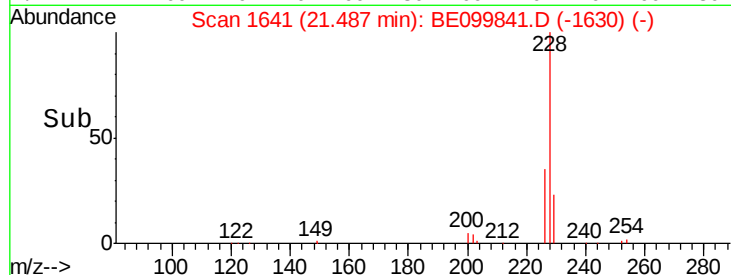
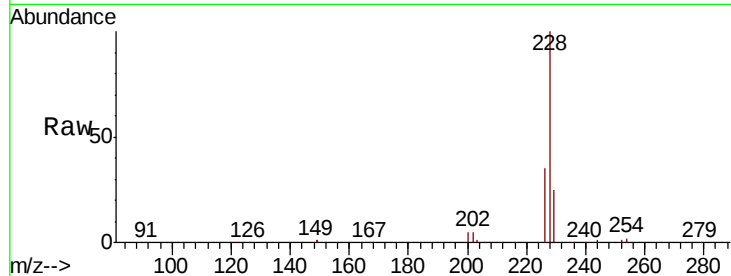
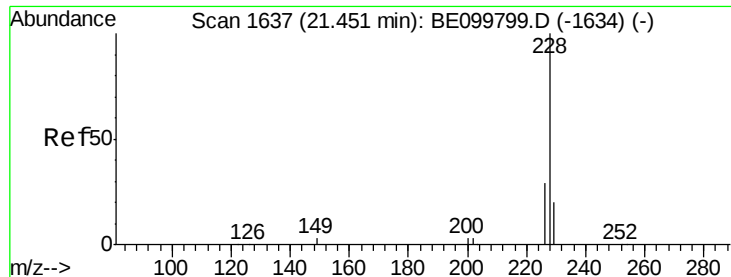
Ion Ratio Lower Upper

228 100

226 32.6 21.6 32.4#

229 23.7 15.8 23.6#





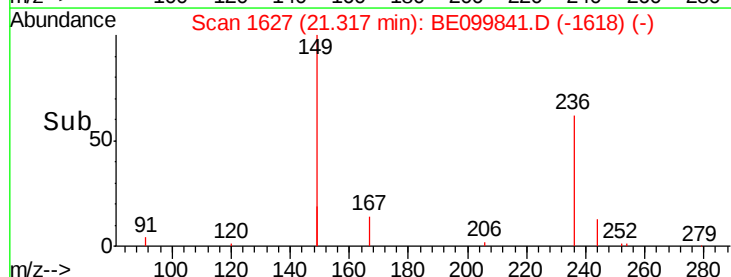
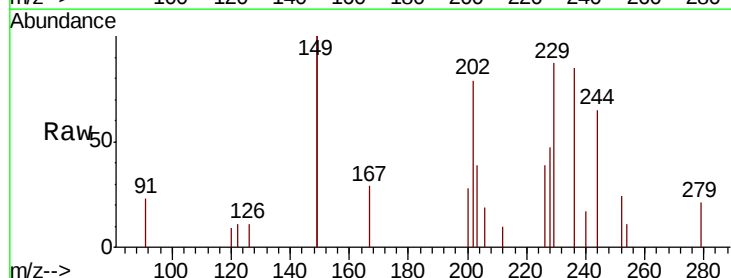
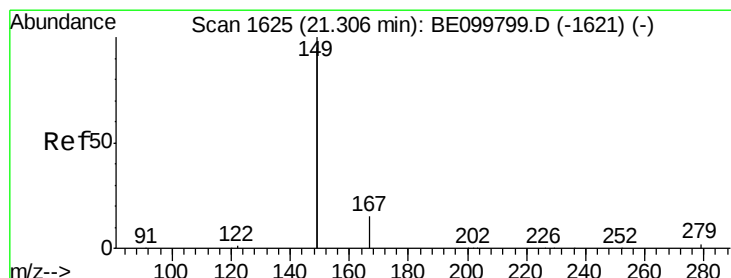
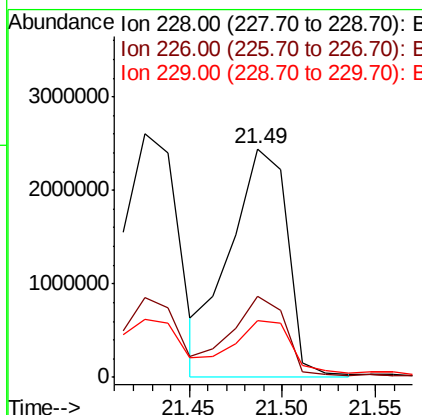
#31
 Chrysene
 Concen: 129.880 ng/mL
 RT: 21.49 min Scan# 1641
 Delta R.T. 0.04 min
 Lab File: BE099841.D
 Acq: 7 Jun 2019 2:51

Tot	Ion:228	Resp: 5296388	
Ion	Ratio	Lower	Upper
228	100		
226	35.4	22.9	34.3#
229	24.8	16.4	24.6#

Instrument :
 BNA_E
 ClientSampleId :
 FESB-24(6.5-7)MSD

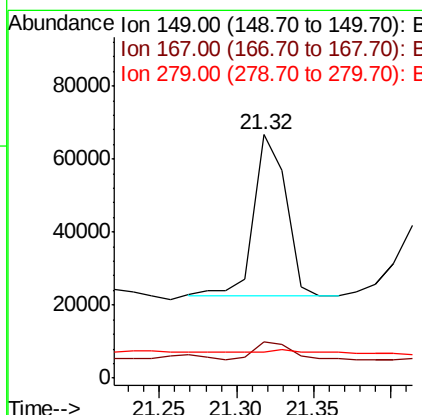
Manual Integrations
 APPROVED

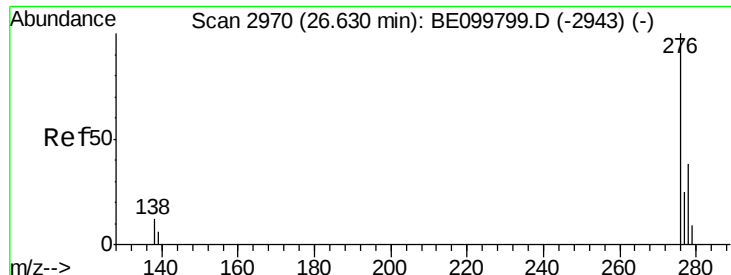
mohammad
 6/7/2019 2:10:59 PM



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 1.516 ng
 RT: 21.32 min Scan# 1627
 Delta R.T. 0.01 min
 Lab File: BE099841.D
 Acq: 7 Jun 2019 2:51

Tgt	Ion:149	Resp:	64214
Ion	Ratio	Lower	Upper
149	100		
167	13.0	6.0	9.0#
279	0.0	1.2	1.8#





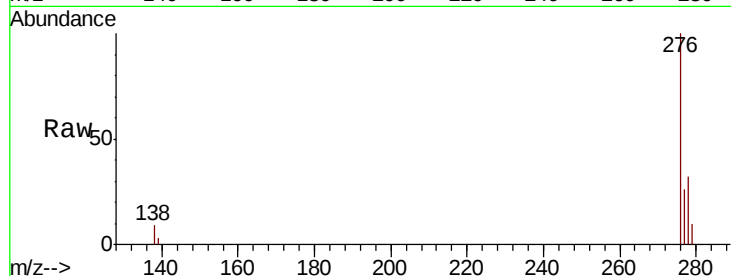
#33
Indeno(1,2,3-cd)pyrene
Concen: 46.223 ng
RT: 26.77 min Scan# 3010
Delta R.T. 0.14 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Instrument :
BNA_E
ClientSampleId :
FESB-24(6.5-7)MSD

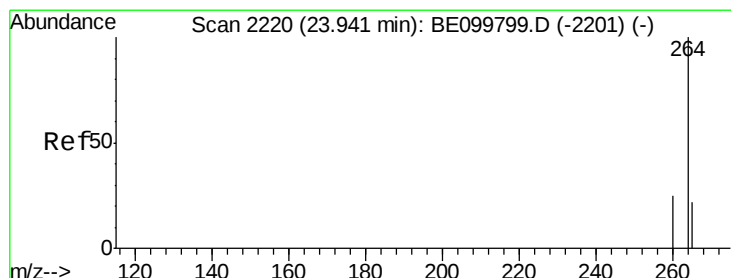
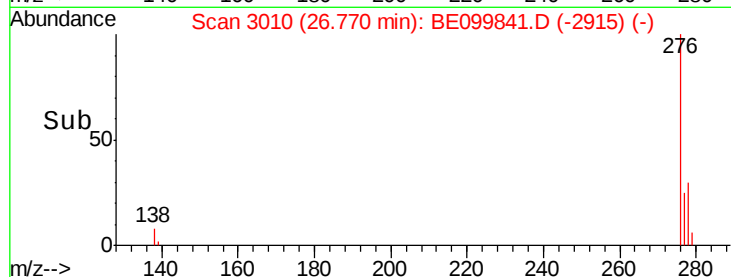
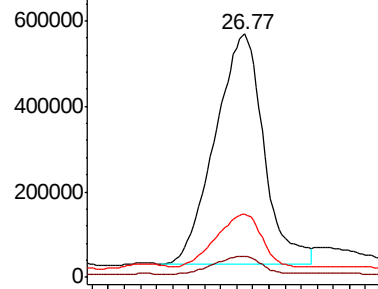
Tot Ion	Ratio	Lower	Upper
276	100		
138	7.7	10.3	15.5#
277	22.4	19.4	29.2

Manual Integrations
APPROVED

mohammad
6/7/2019 2:10:59 PM

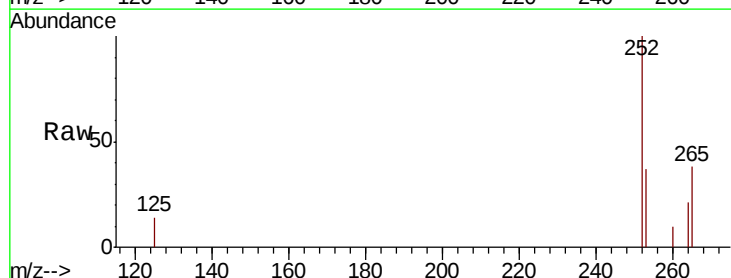


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

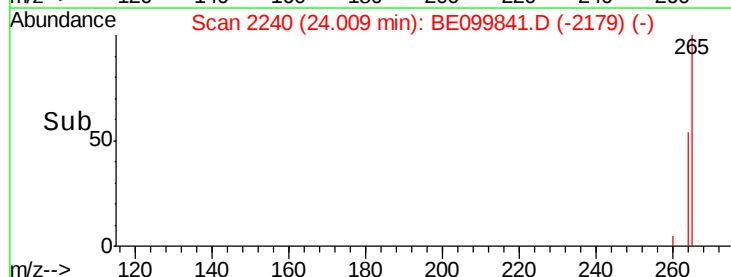
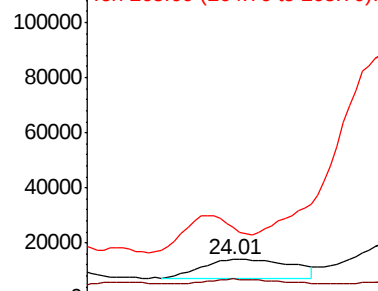


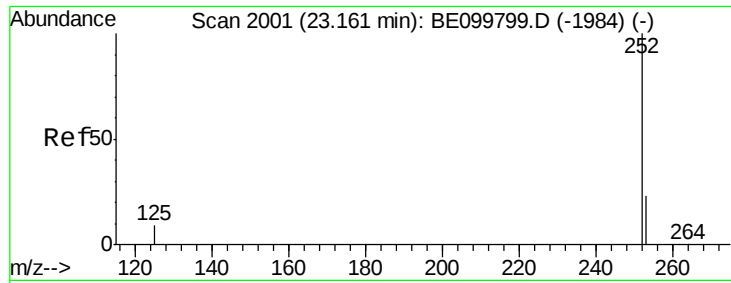
#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2240
Delta R.T. 0.07 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	49.1	20.0	30.0#
265	182.7	20.7	31.1#



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





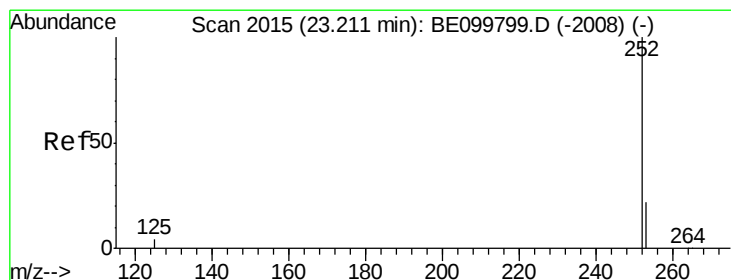
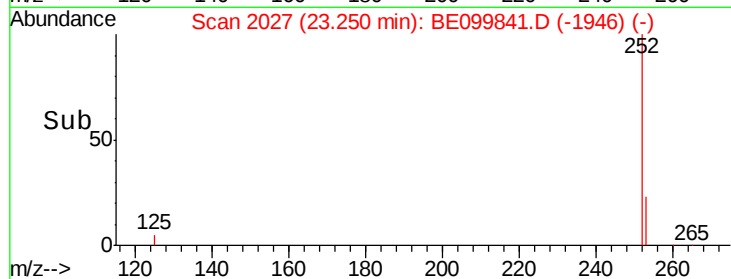
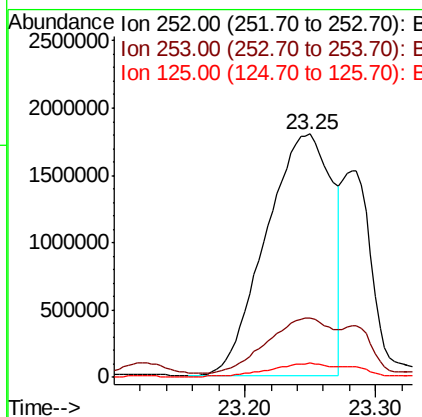
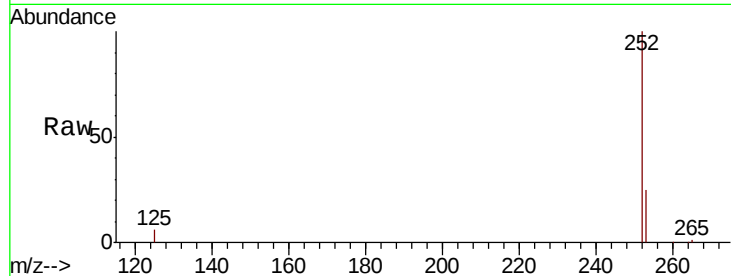
#35
Benzo(b)fluoranthene
Concen: 98.470 ng
RT: 23.25 min Scan# 2027
Delta R.T. 0.09 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Instrument :
BNA_E
ClientSampleId :
FESB-24(6.5-7)MSD

Tot Ion:252 Resp: 6290967
Ion Ratio Lower Upper
252 100
253 24.6 18.9 28.3
125 5.8 7.6 11.4#

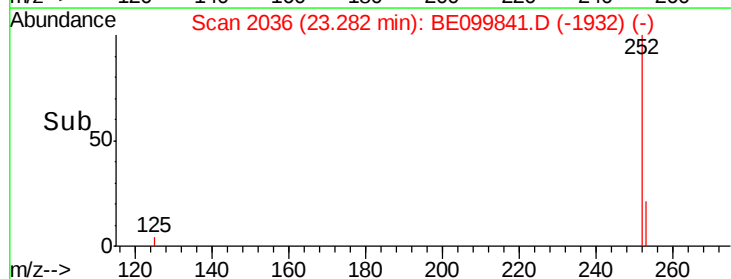
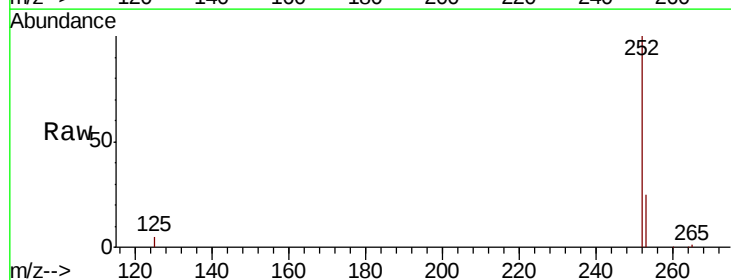
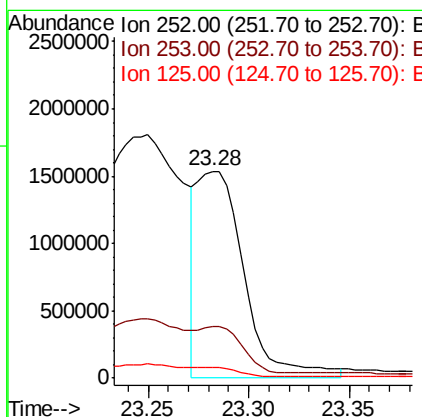
Manual Integrations
APPROVED

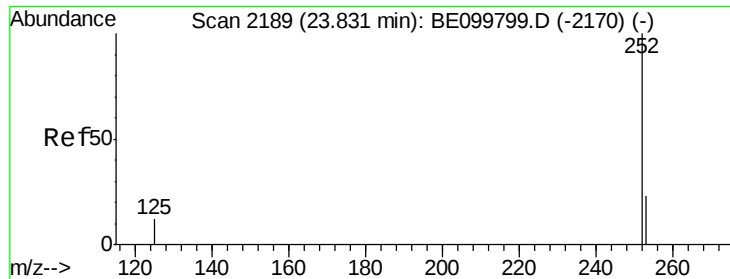
mohammad
6/7/2019 2:10:59 PM



#36
Benzo(k)fluoranthene
Concen: 37.255 ng m
RT: 23.28 min Scan# 2036
Delta R.T. 0.07 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Tgt Ion:252 Resp: 2526673
Ion Ratio Lower Upper
252 100
253 25.2 18.4 27.6
125 4.9 4.6 7.0





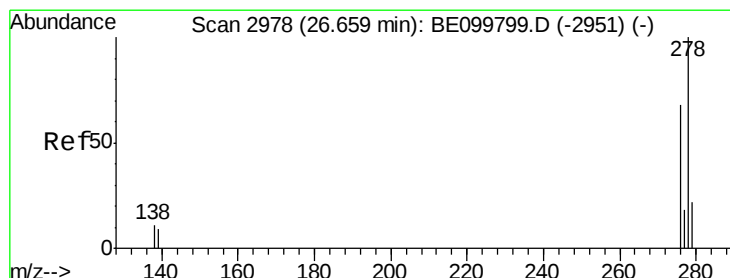
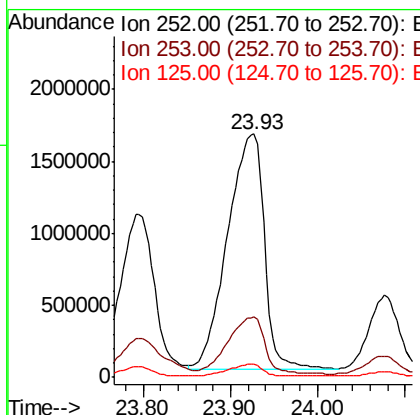
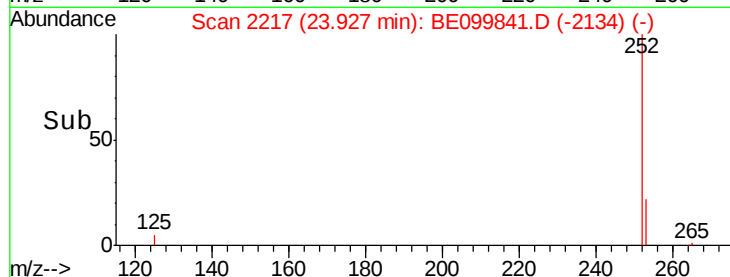
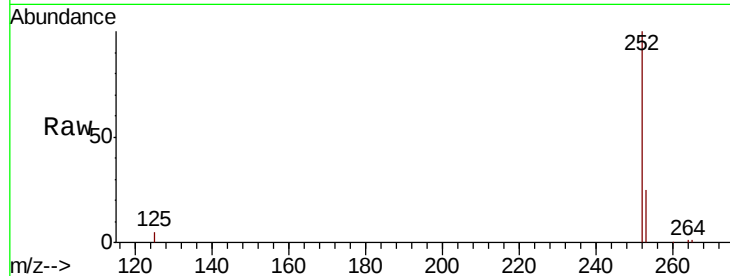
#37
Benzo(a)pyrene
Concen: 76.763 ng
RT: 23.93 min Scan# 2217
Delta R.T. 0.10 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Instrument :
BNA_E
ClientSampleId :
FESB-24(6.5-7)MSD

Tot Ion:252 Resp: 4754204
Ion Ratio Lower Upper
252 100
253 24.7 19.3 28.9
125 5.4 10.2 15.4#

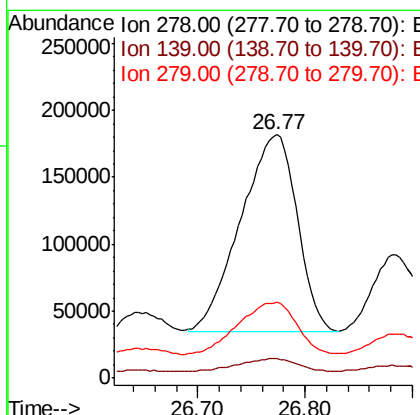
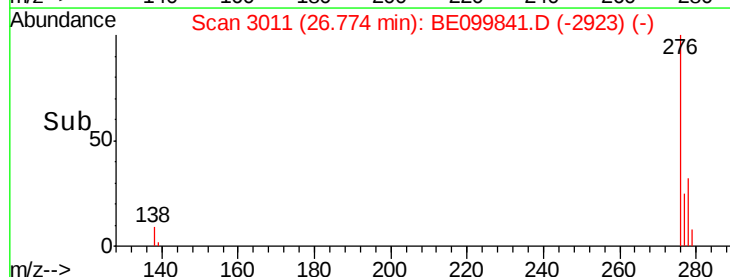
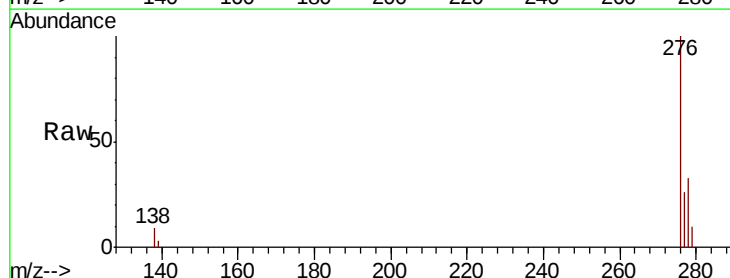
Manual Integrations
APPROVED

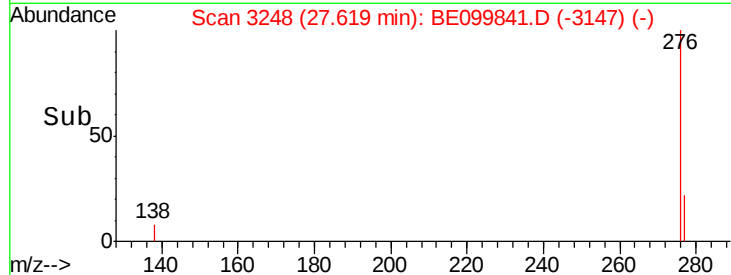
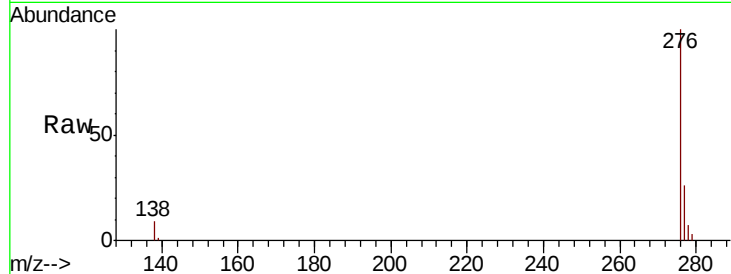
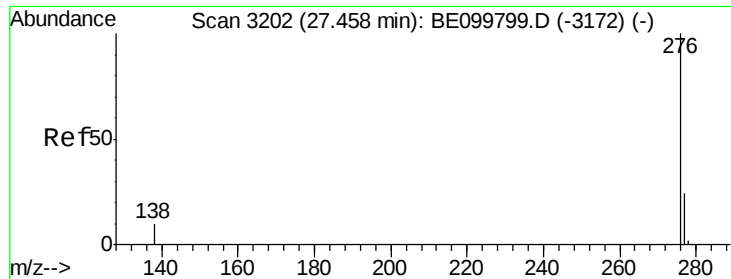
mohammad
6/7/2019 2:10:59 PM



#38
Dibenzo(a,h)anthracene
Concen: 8.502 ng
RT: 26.77 min Scan# 3011
Delta R.T. 0.11 min
Lab File: BE099841.D
Acq: 7 Jun 2019 2:51

Tgt Ion:278 Resp: 535625
Ion Ratio Lower Upper
278 100
139 8.0 7.9 11.9
279 30.9 18.5 27.7#





#39

Benzo(a,h,i)perylene

Concen: 30.429 ng

RT: 27.62 min Scan# 3248

Delta R.T. 0.16 min

Lab File: BE099841.D

Acq: 7 Jun 2019 2:51

Tot Ion: 276 Resp: 2013981

Ion Ratio Lower Upper

276 100

277 26.0 19.6 29.4

138 9.0 9.0 13.4#

Instrument :

BNA_E

ClientSampleId :

FESB-24(6.5-7)MSD

Manual Integrations

APPROVED

mohammad

6/7/2019 2:10:59 PM

