

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
 Data File : BE099744.D
 Acq On : 24 May 2019 16:10
 Operator : JU/SJ
 Sample : K3010-05MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-23(3-3.5)MSD

Manual Integrations
 APPROVED

mohammad
 5/27/2019 4:01:24 AM

Quant Time: May 24 21:56:02 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	1092	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	3767	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	2675	0.40	ng	-0.01
19) Phenanthrene-d10	17.22	188	8098	0.40	ng	-0.01
27) Chrysene-d12	21.40	240	13399	0.40	ng	-0.01
34) Perylene-d12	23.94	264	16501	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.37	112	1379	0.50	ng	0.00
5) Phenol-d6	6.96	99	1844	0.50	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1420	0.44	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2340m	0.36	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	776	0.51	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	3598	0.35	ng	0.00
25) Fluoranthene-d10	19.26	212	40538	0.37	ng	0.00
29) Terphenyl-d14	19.85	244	8056	0.34	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.29	88	509	0.315	ng	# 69
3) n-Nitrosodimethylamine	3.61	42	424	0.475	ng	# 88
6) bis(2-Chloroethyl)ether	7.23	93	1376	0.424	ng	99
9) Naphthalene	10.65	128	17210	0.427	ng	99
10) Hexachlorobutadiene	10.93	225	1220	0.411	ng	98
12) 2-Methylnaphthalene	12.28	142	2791	0.425	ng	93
16) Acenaphthylene	14.20	152	5224	0.419	ng	100
17) Acenaphthene	14.54	154	2968	0.424	ng	99
18) Fluorene	15.52	166	4330	0.420	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	1962	0.420	ng	92
21) Hexachlorobenzene	16.52	284	1866	0.391	ng	98
22) Pentachlorophenol	16.88	266	1721	1.229	ng	93
23) Phenanthrene	17.27	178	8183	0.414	ng	99
24) Anthracene	17.35	178	7635	0.425	ng	100
26) Fluoranthene	19.29	202	13533	0.433	ng	99
28) Pyrene	19.65	202	14434	0.429	ng	99
30) Benzo(a)anthracene	21.39	228	19240	0.505	ng	100
31) Chrysene	21.44	228	18787	0.462	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	32304	0.736	ng	100
33) Indeno(1,2,3-cd)pyrene	26.63	276	23543	0.479	ng	99
35) Benzo(b)fluoranthene	23.16	252	19547	0.432	ng	# 97
36) Benzo(k)fluoranthene	23.21	252	20259	0.430	ng	# 97
37) Benzo(a)pyrene	23.82	252	19229	0.442	ng	98
38) Dibenzo(a,h)anthracene	26.65	278	19427	0.425	ng	99
39) Benzo(g,h,i)perylene	27.45	276	20230	0.438	ng	99

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

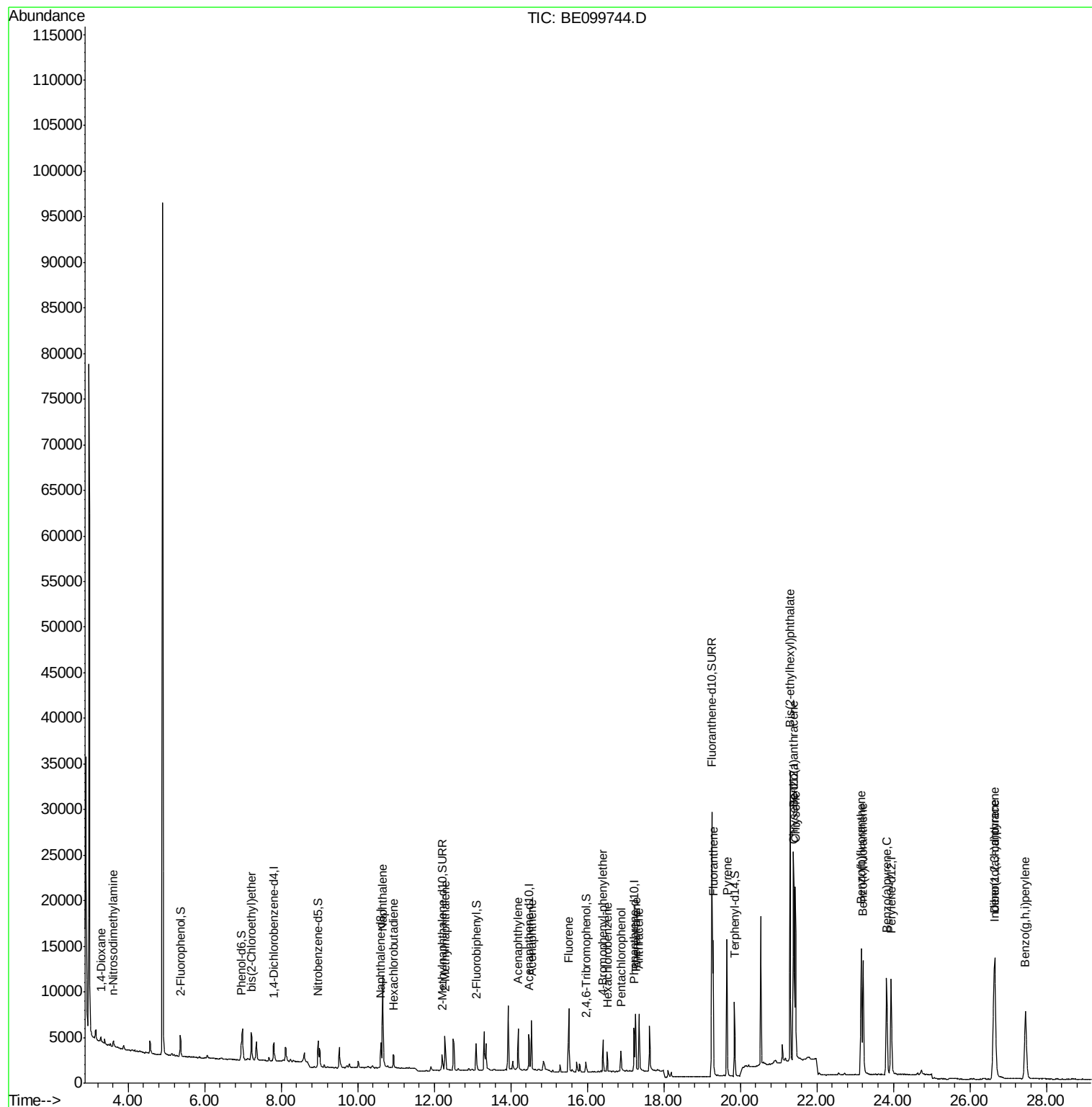
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
Data File : BE099744.D
Acq On : 24 May 2019 16:10
Operator : JU/SJ
Sample : K3010-05MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

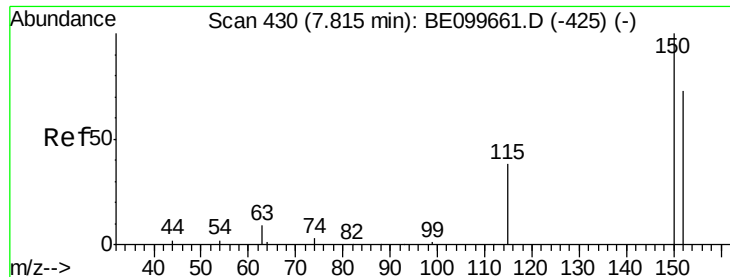
Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MSD

Manual Integrations
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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

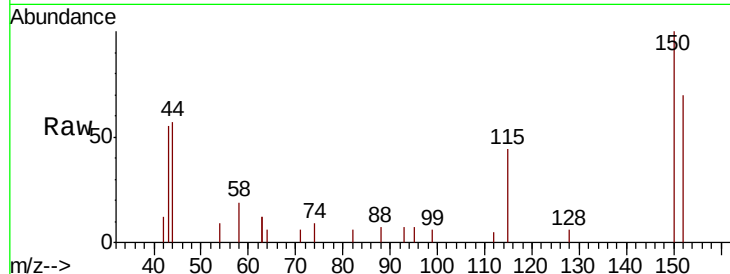
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Instrument :
BNA_E
ClientSampled :
FESB-23(3-3.5)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.8	109.2	163.8
115	62.6	43.7	65.5

Manual Integrations
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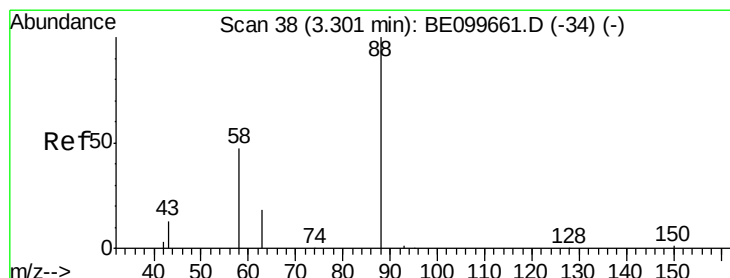
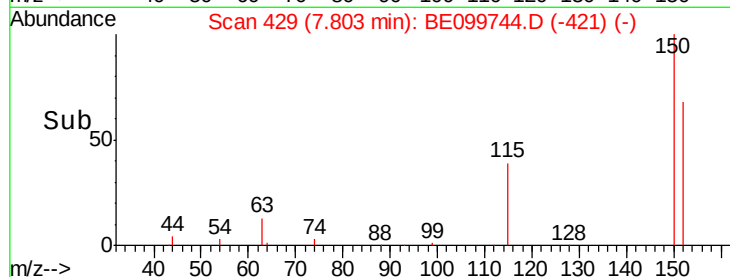
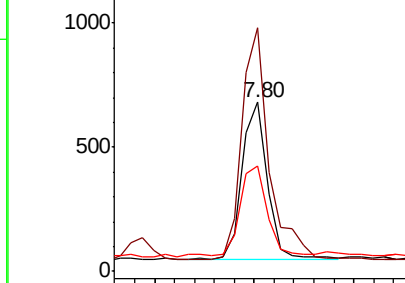


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

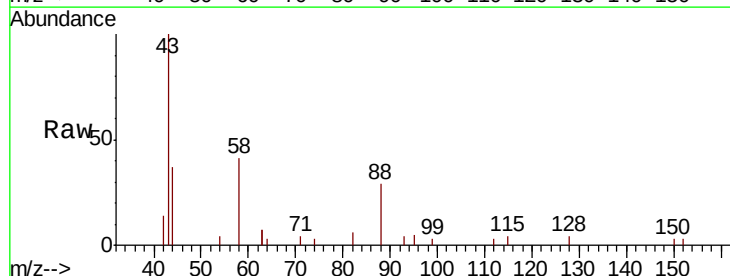
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.315 ng
RT: 3.29 min Scan# 37
Delta R.T. -0.01 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.7	41.8	62.8#
43	0.0	15.0	22.4#

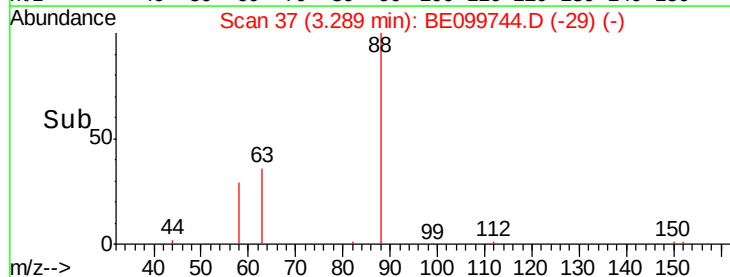
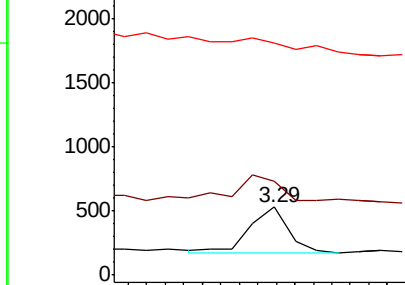


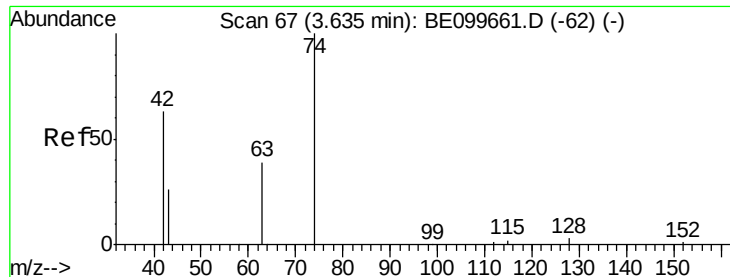
Abundance

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: 0.475 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

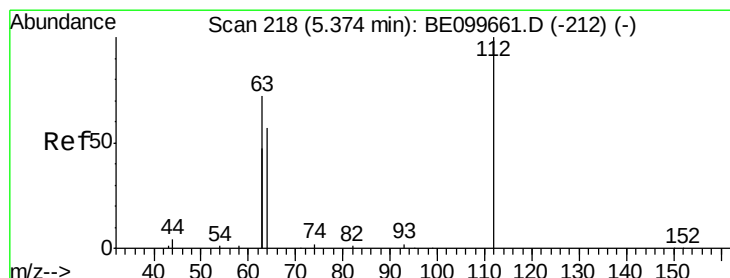
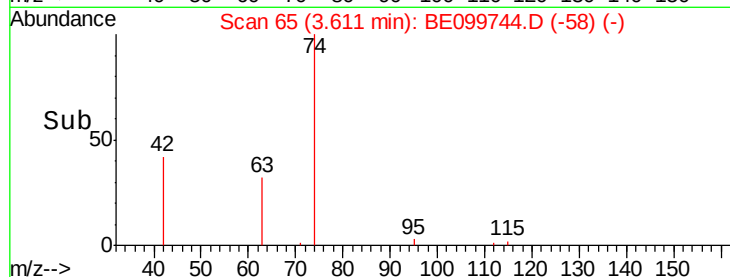
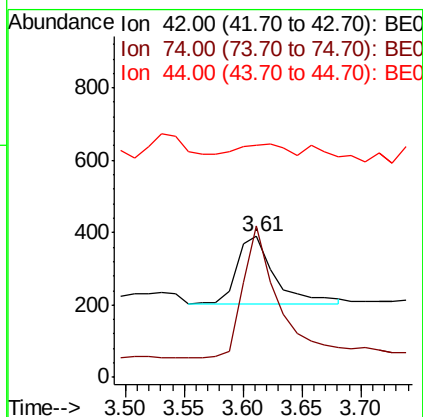
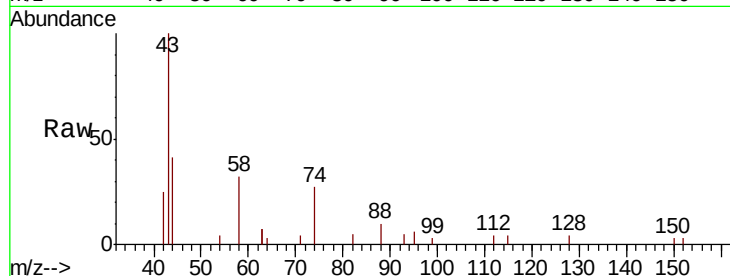
ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion:	42	Resp:	424
Ion Ratio	Lower	Upper	
42	100		
74	178.1	129.2	193.8
44	19.8	0.0	0.0#

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#4

2-Fluorophenol

Concen: 0.500 ng

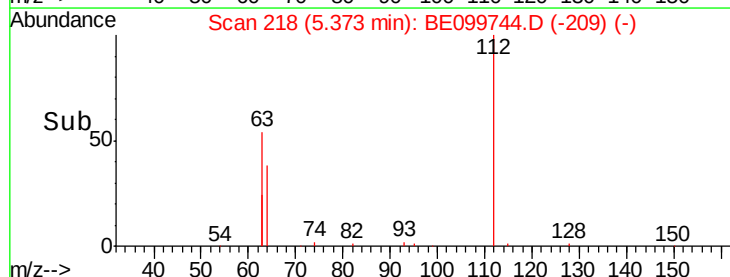
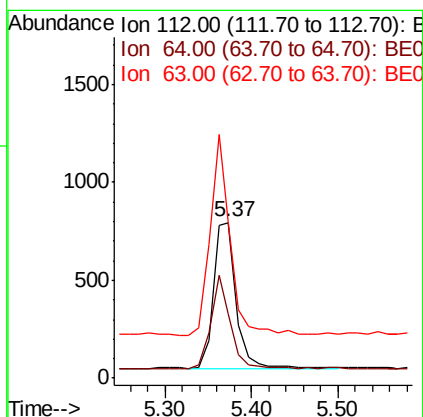
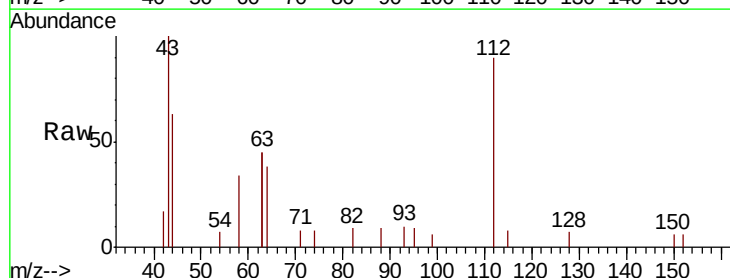
RT: 5.37 min Scan# 218

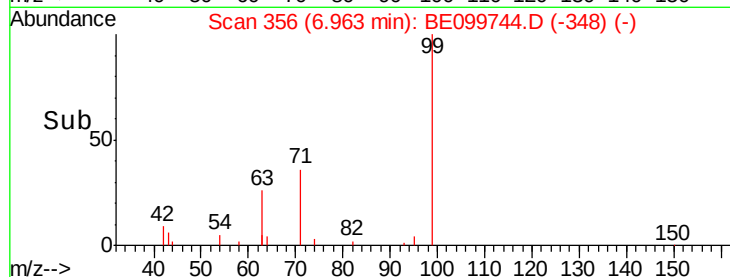
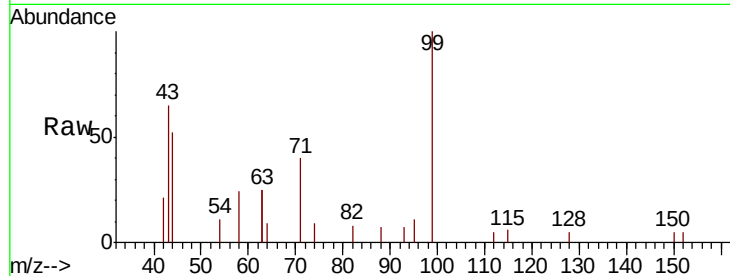
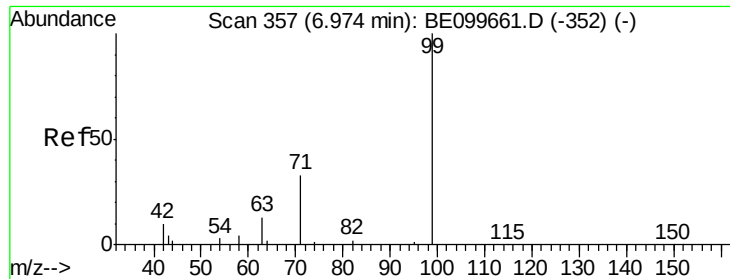
Delta R.T. -0.00 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Tgt Ion:	112	Resp:	1379
Ion Ratio	Lower	Upper	
112	100		
64	55.9	43.4	65.2
63	121.8	96.9	145.3





#5

Phenol-d6

Concen: 0.505 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Tot Ion:	99	Resp:	1844
Ion	Ratio	Lower	Upper
99	100		
42	20.2	12.2	18.2#
71	40.6	28.9	43.3

Instrument :

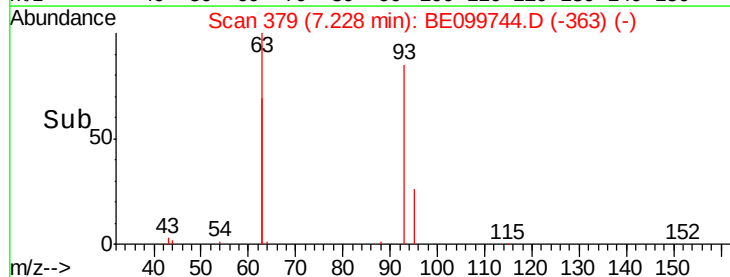
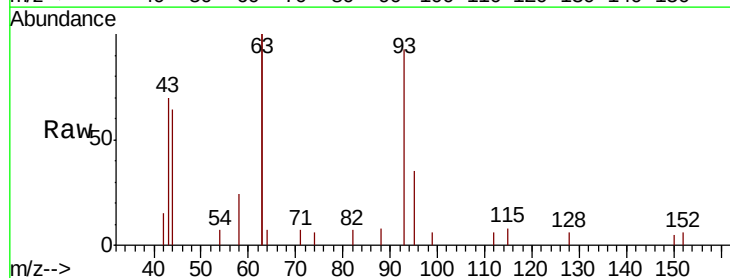
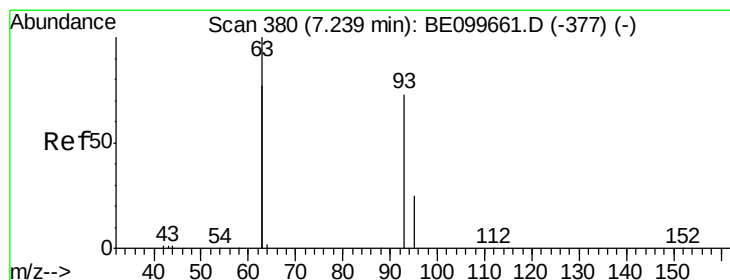
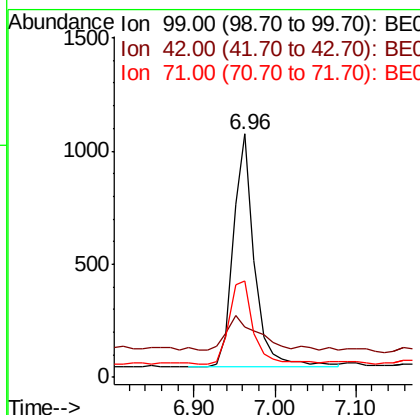
BNA_E

ClientSampleId :

FESB-23(3-3.5)MSD

Manual Integrations
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#6

bis(2-Chloroethyl)ether

Concen: 0.424 ng

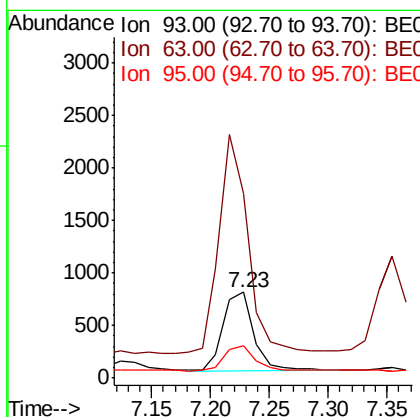
RT: 7.23 min Scan# 379

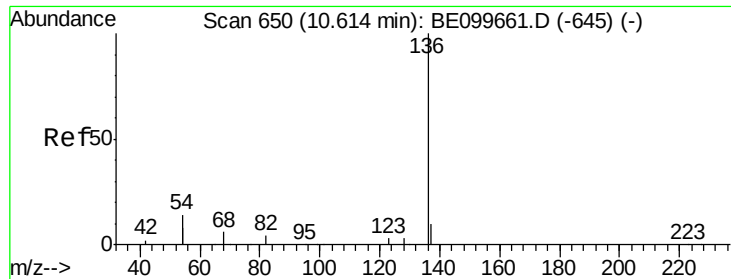
Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Tgt Ion:	93	Resp:	1376
Ion	Ratio	Lower	Upper
93	100		
63	261.3	207.8	311.6
95	31.3	25.9	38.9





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

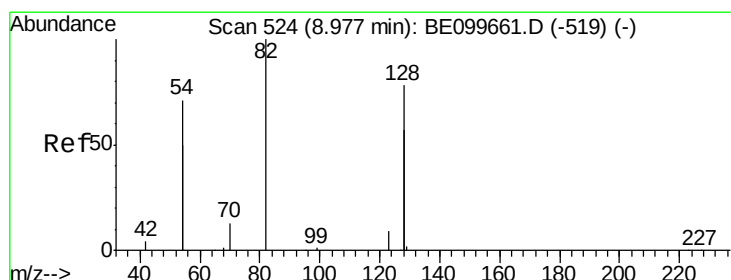
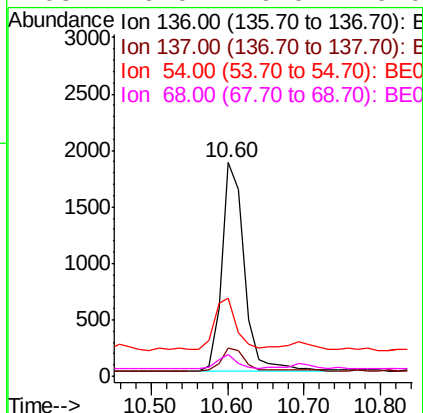
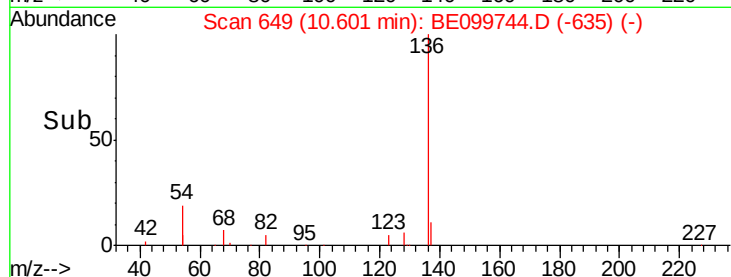
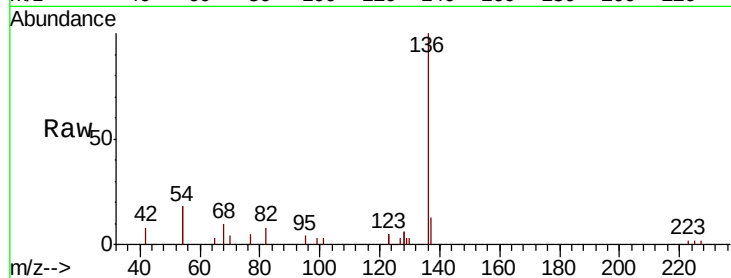
ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.0	13.6
54	36.8	22.3	33.5
68	10.0	6.0	9.0

Manual Integrations
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#8

Nitrobenzene-d5

Concen: 0.435 ng

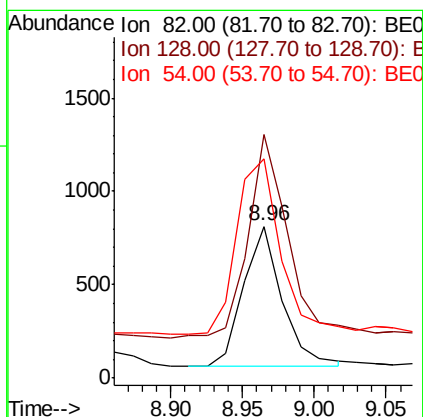
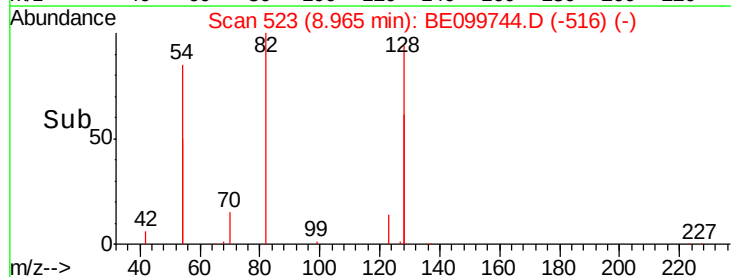
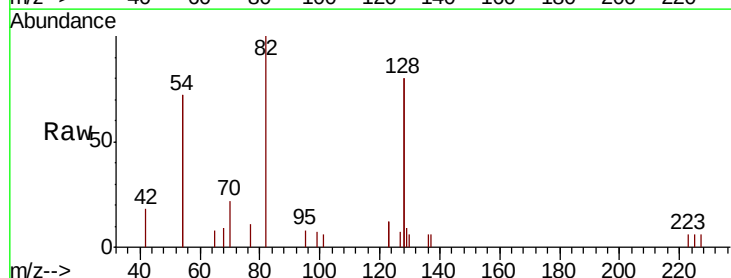
RT: 8.96 min Scan# 523

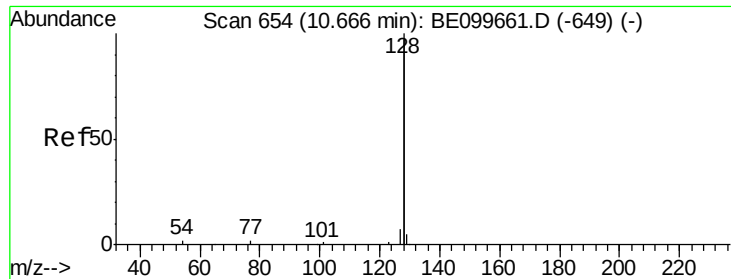
Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Tgt Ion	Ratio	Lower	Upper
82	100		
128	160.4	117.7	176.5
54	144.6	106.6	160.0





#9

Naphthalene

Concen: 0.427 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

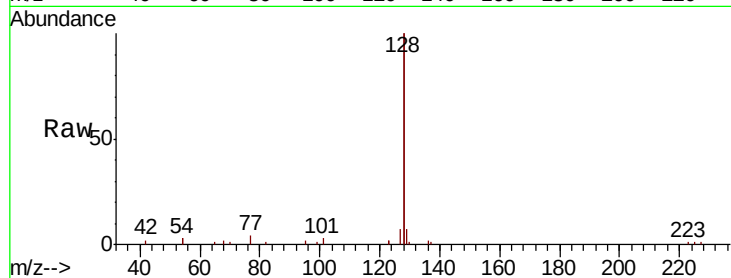
ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion	128	Resp	17210
Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.4	3.6
127	3.6	2.9	4.3

Manual Integrations
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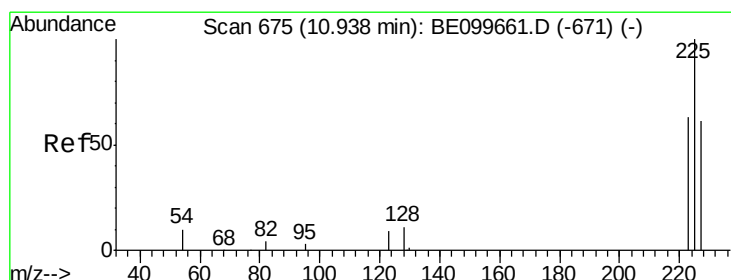
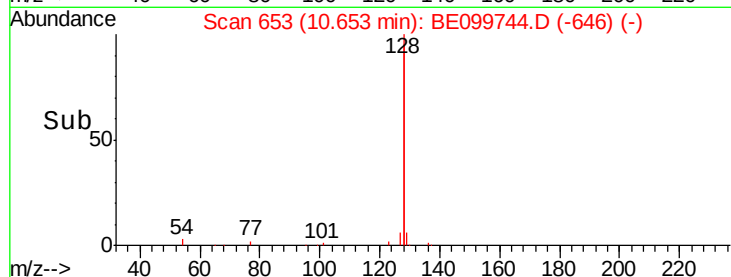
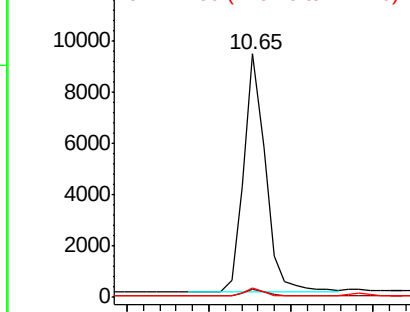


Abundance

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: 0.411 ng

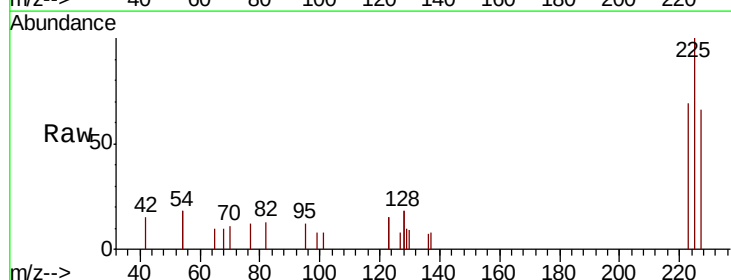
RT: 10.93 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Tgt Ion	225	Resp	1220
Ion	Ratio	Lower	Upper
225	100		
223	62.1	51.8	77.6
227	64.8	52.6	79.0

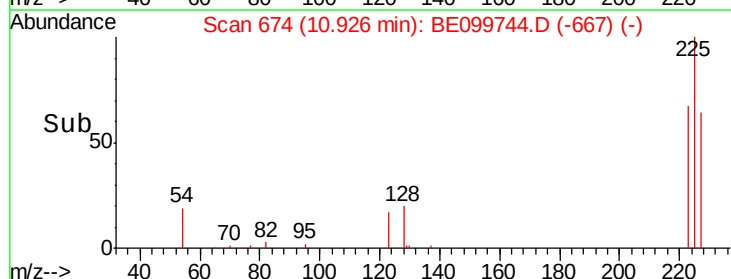
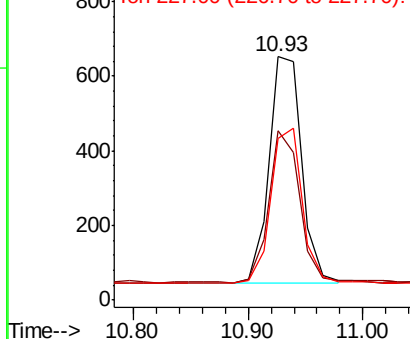


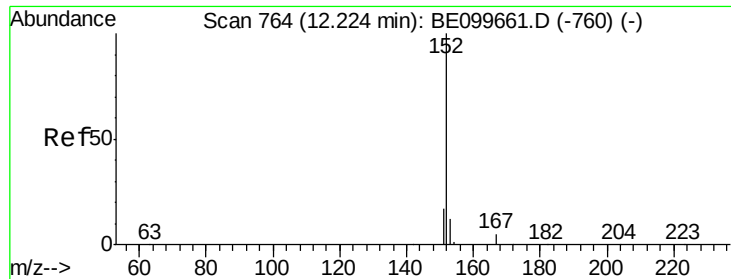
Abundance

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





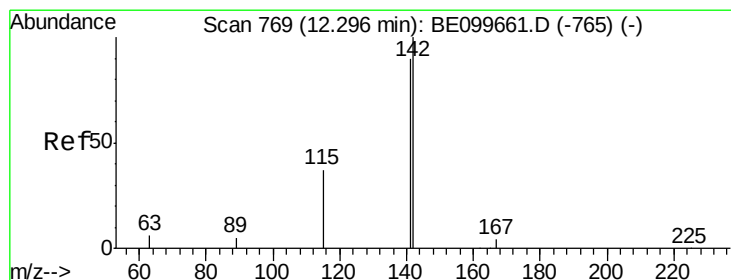
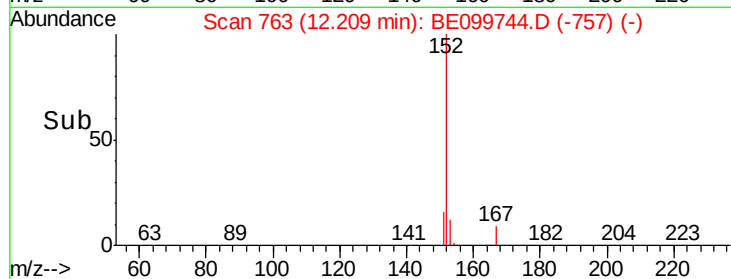
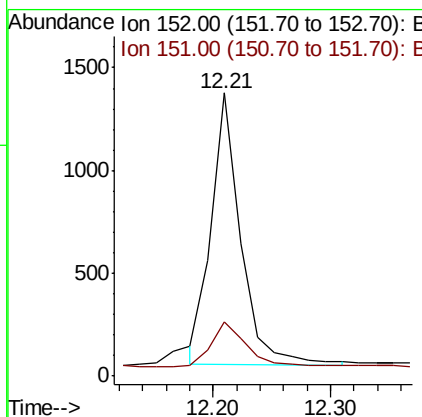
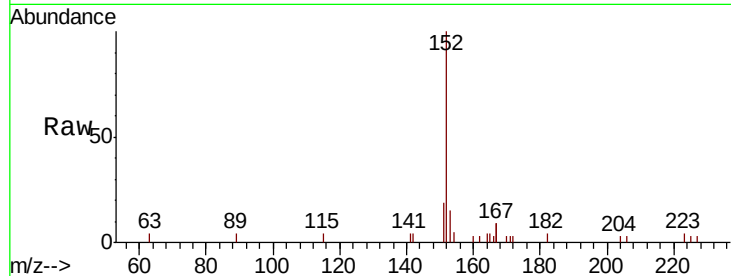
#11
2-Methylnaphthalene-d10
Concen: 0.360 ng m
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.0	22.4

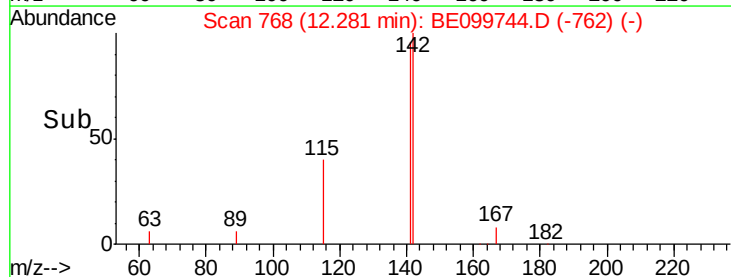
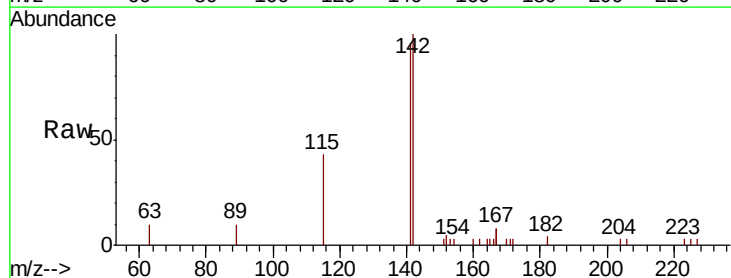
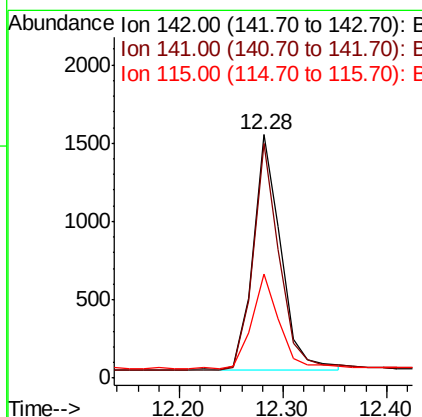
Manual Integrations
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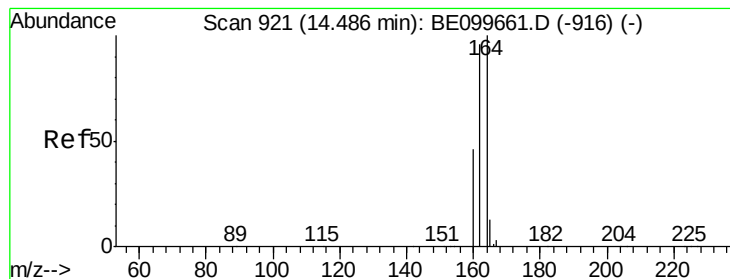
mohammad
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#12
2-Methylnaphthalene
Concen: 0.425 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.3	72.0	108.0
115	42.9	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: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

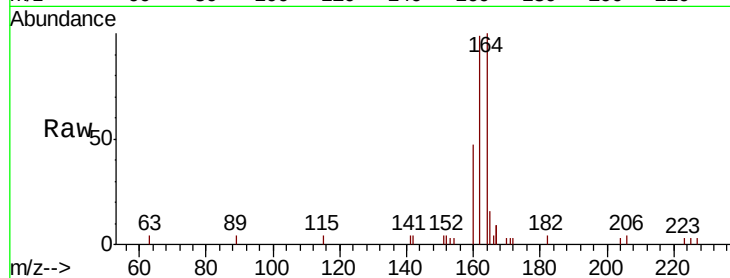
ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion:	164	Resp:	2675
Ion Ratio	Lower	Upper	
164	100		
162	99.0	76.5	114.7
160	47.5	37.4	56.2

Manual Integrations
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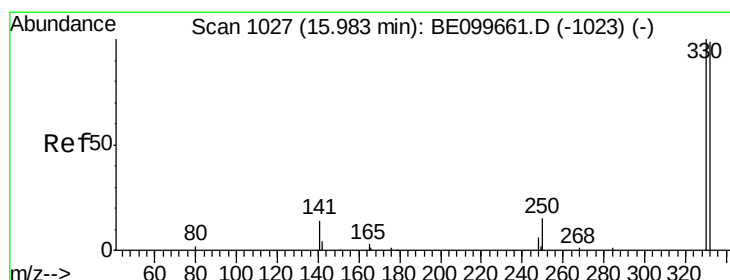
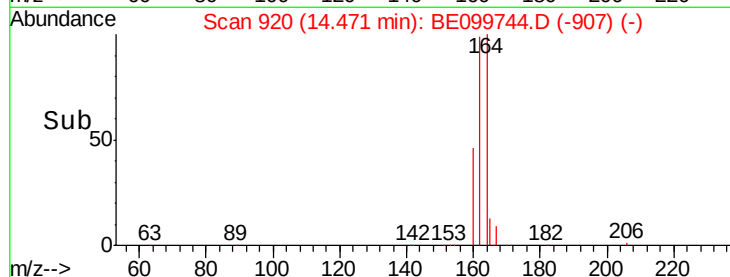
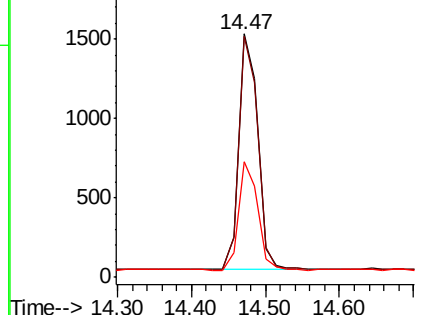
mohammad
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.507 ng

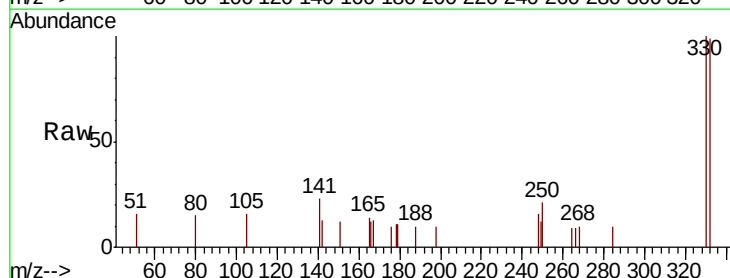
RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

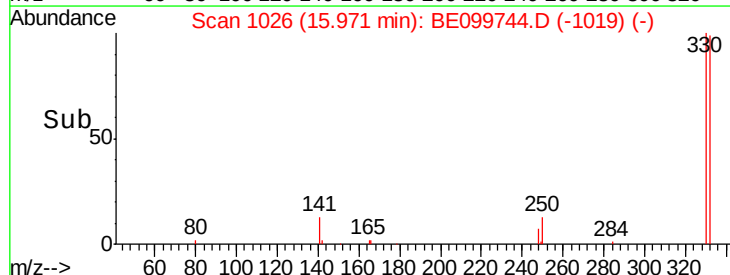
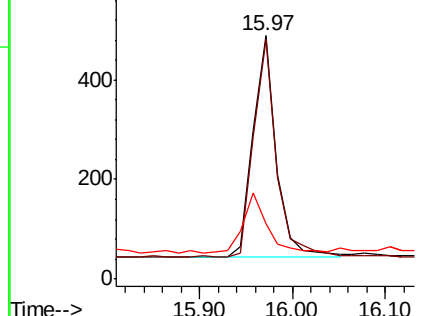
Tgt Ion:	330	Resp:	776
Ion Ratio	Lower	Upper	
330	100		
332	97.8	77.3	115.9
141	27.4	18.9	28.3

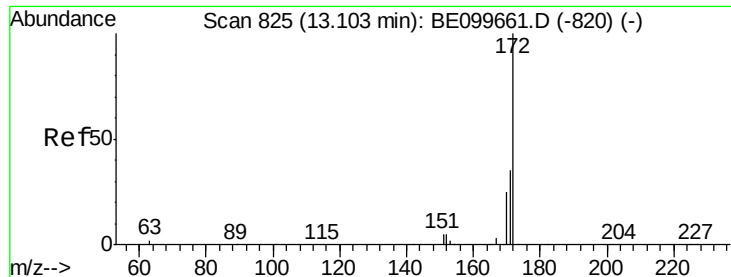


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





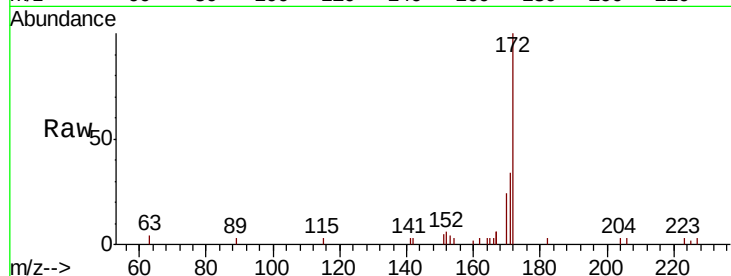
#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.7	43.1
170	24.2	20.9	31.3

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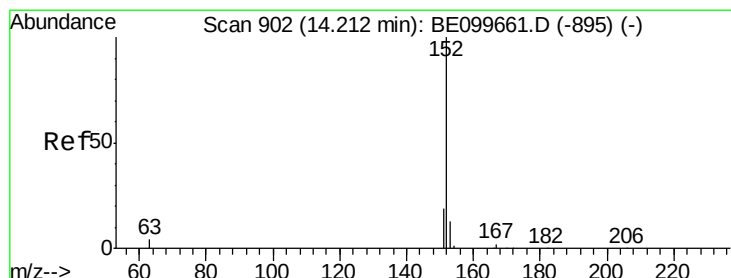
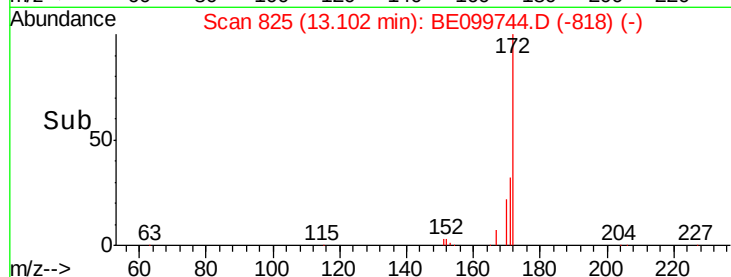
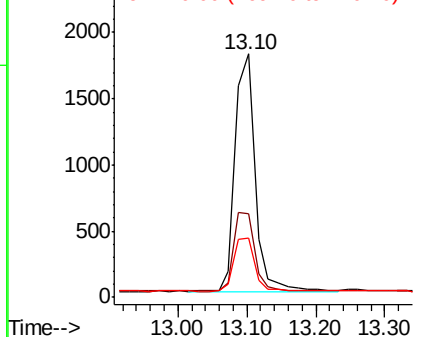


Abundance

Ion 172.00 (171.70 to 172.70): E

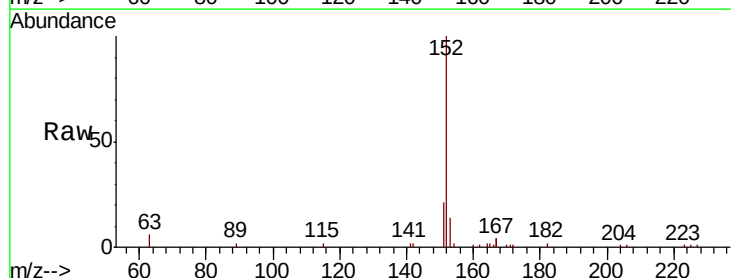
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.419 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.1	10.6	16.0

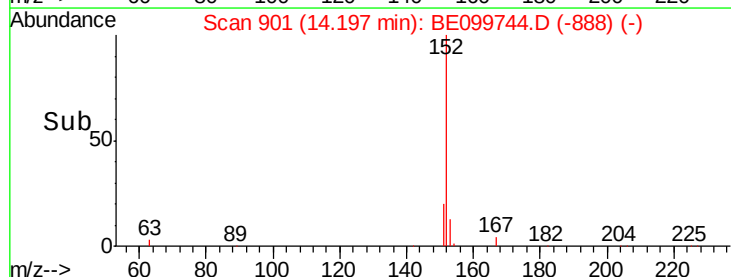
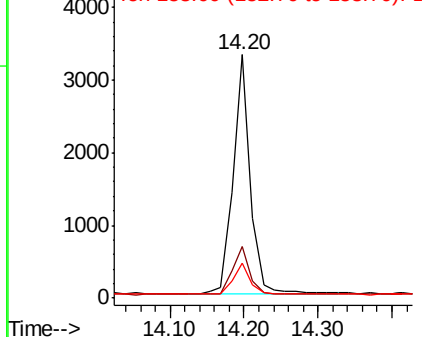


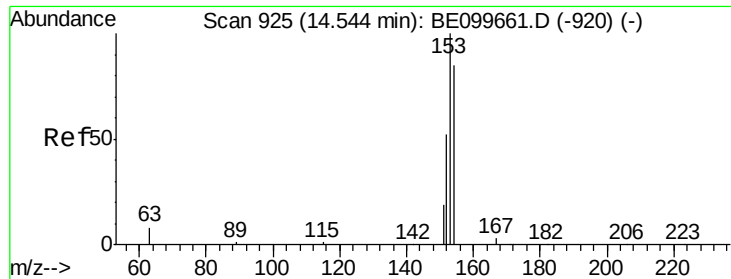
Abundance

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





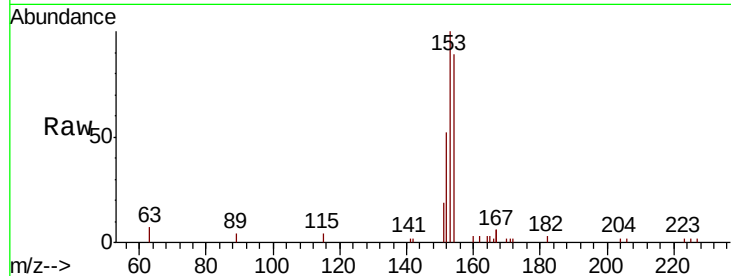
#17
Acenaphthene
Concen: 0.424 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.8	137.6
152	58.6	46.0	69.0

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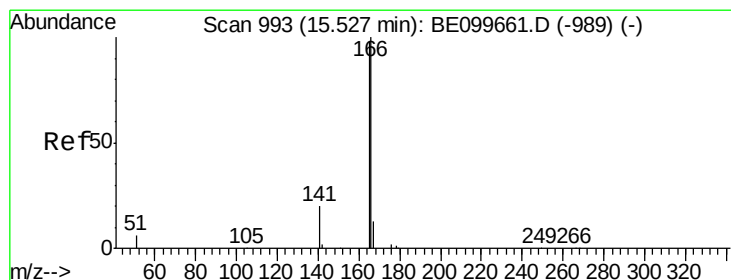
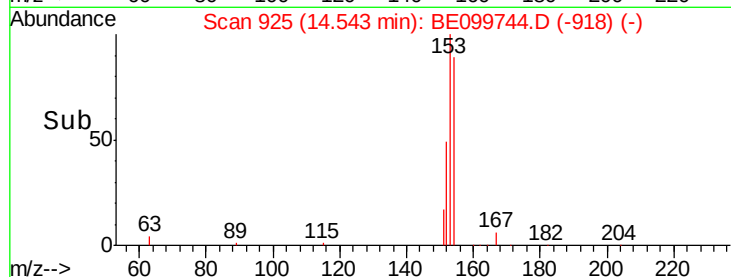
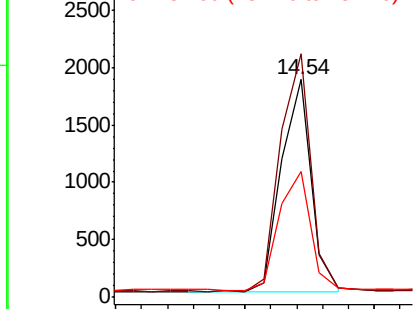


Abundance

Ion 154.00 (153.70 to 154.70): E

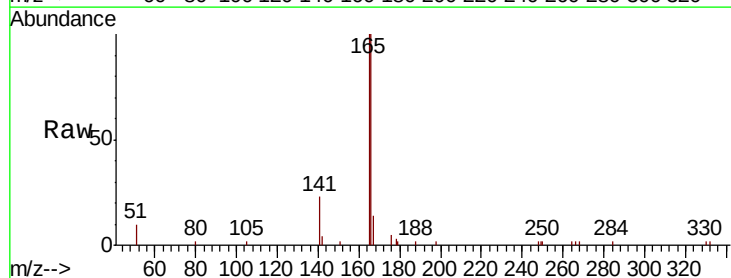
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.420 ng
RT: 15.52 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.3	80.3	120.5
167	13.2	10.6	16.0

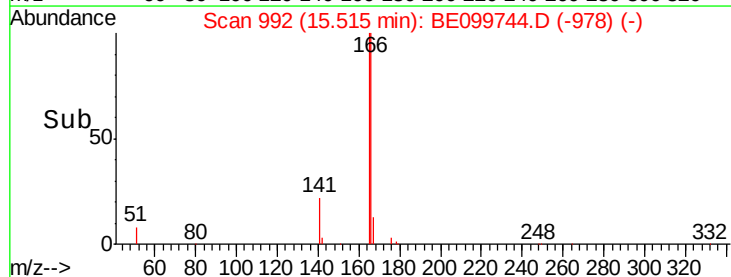
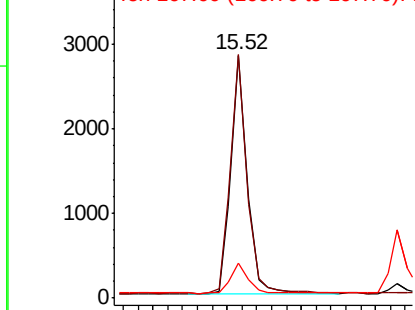


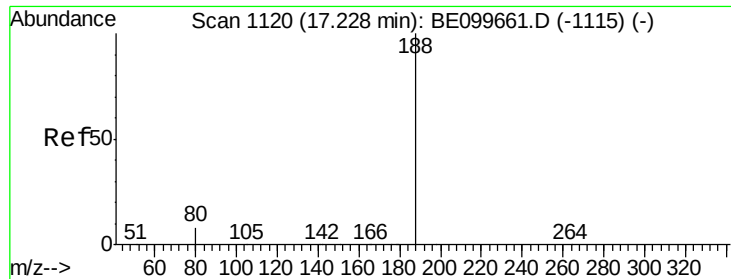
Abundance

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: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

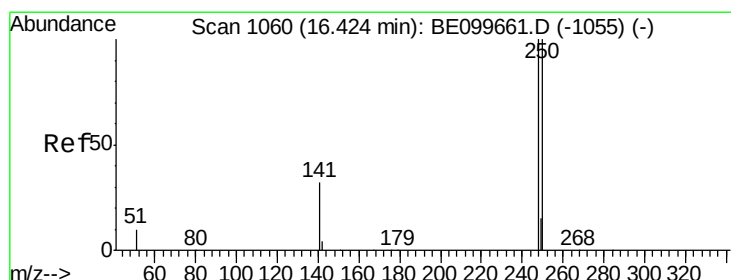
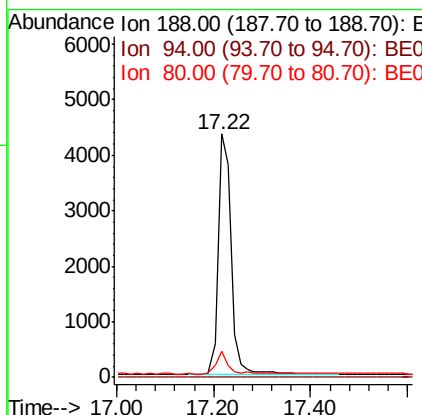
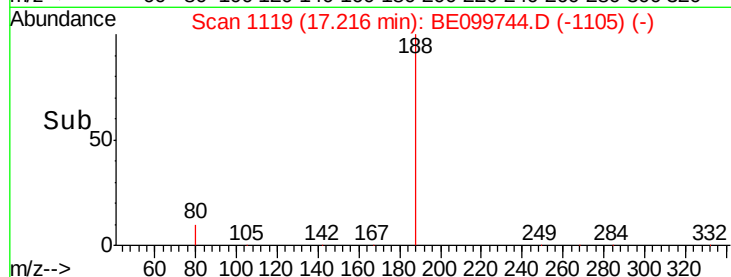
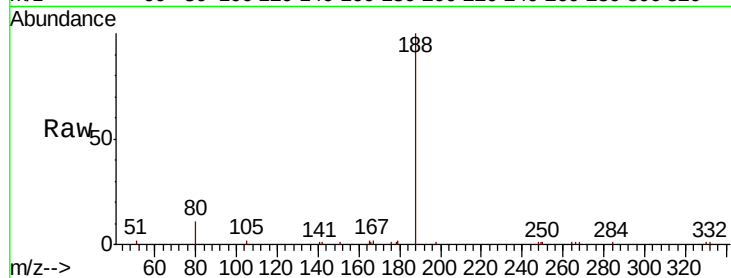
ClientSampleId :

FESB-23(3-3.5)MSD

Tot Ion:	188	Resp:	8098
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.8	6.7	10.1#

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#20

4-Bromophenyl-phenylether

Concen: 0.420 ng

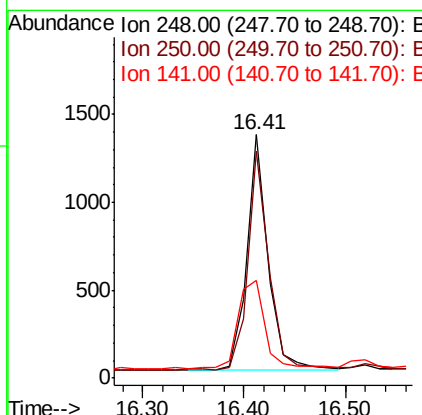
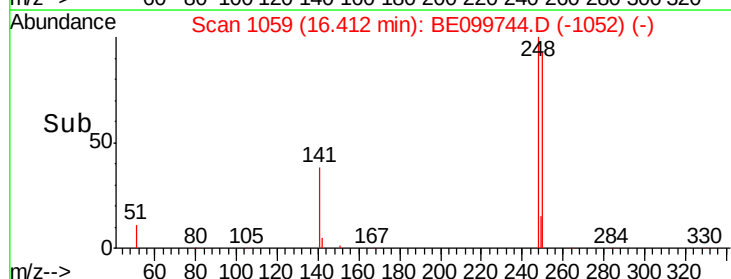
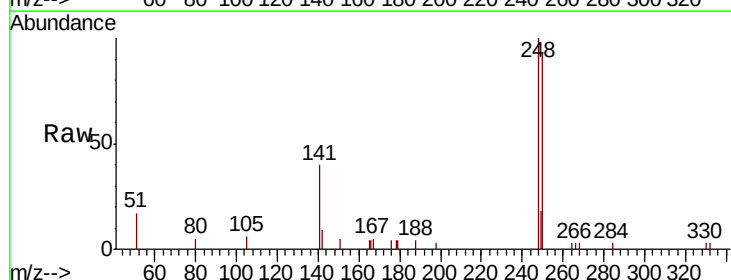
RT: 16.41 min Scan# 1059

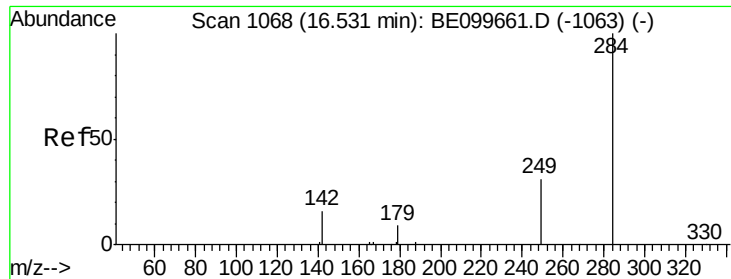
Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Tgt Ion:	248	Resp:	1962
Ion Ratio	Lower	Upper	
248	100		
250	93.4	79.8	119.8
141	40.1	27.0	40.6





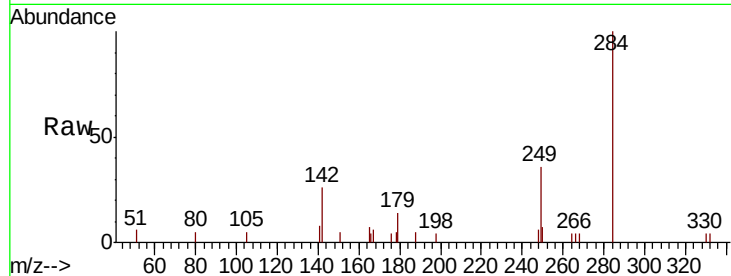
#21
Hexachlorobenzene
Concen: 0.391 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MSD

Tot Ion	Ratio	Lower	Upper
284	100		
142	23.7	17.8	26.6
249	31.8	24.8	37.2

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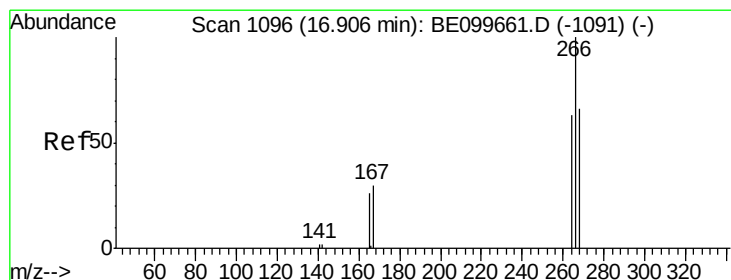
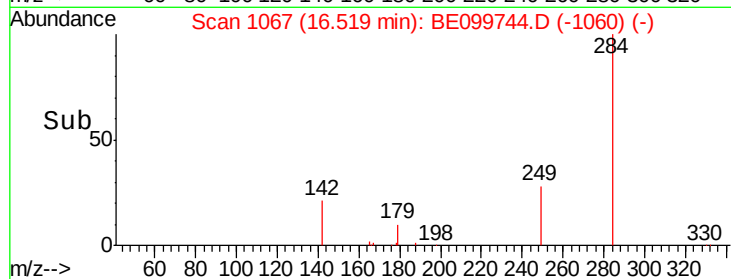
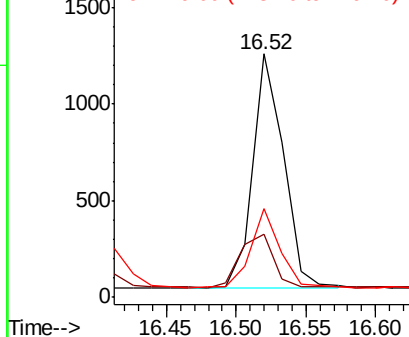


Abundance

Ion 283.80 (283.50 to 284.50): E

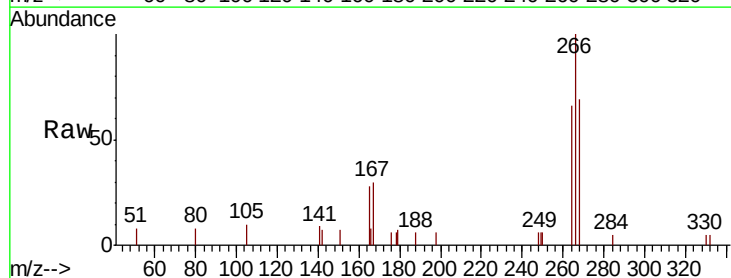
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22
Pentachlorophenol
Concen: 1.229 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.03 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.7	57.2	85.8
268	69.2	60.5	90.7

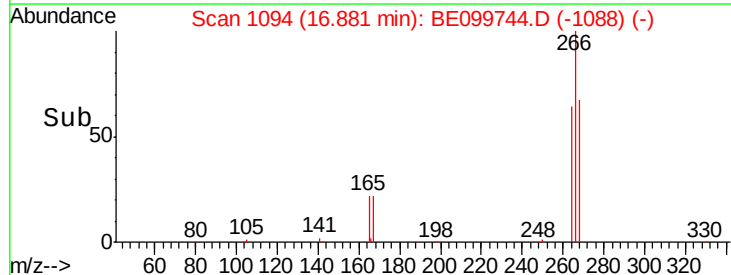
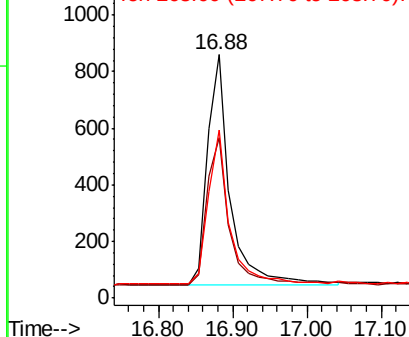


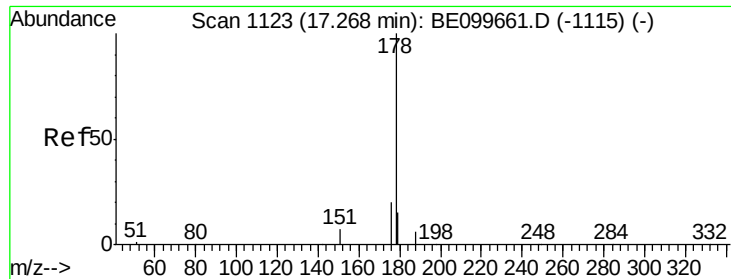
Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





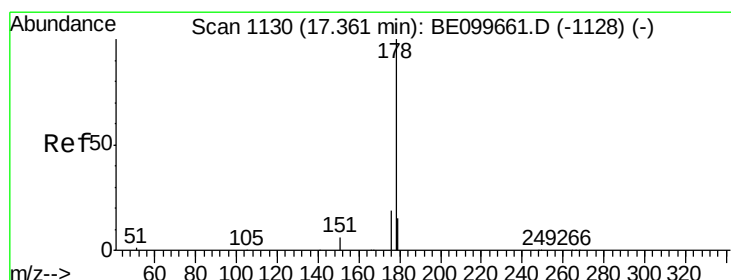
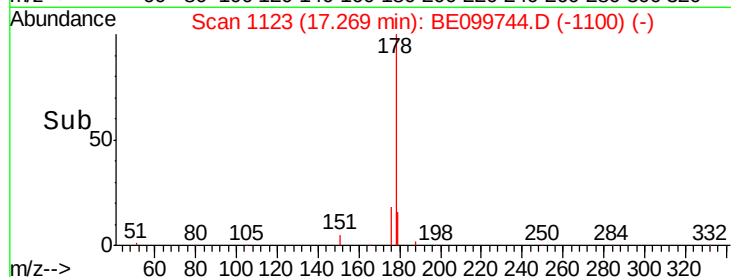
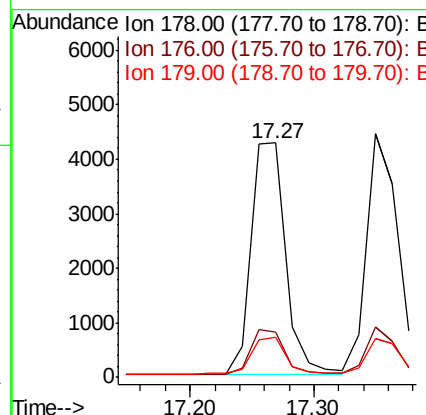
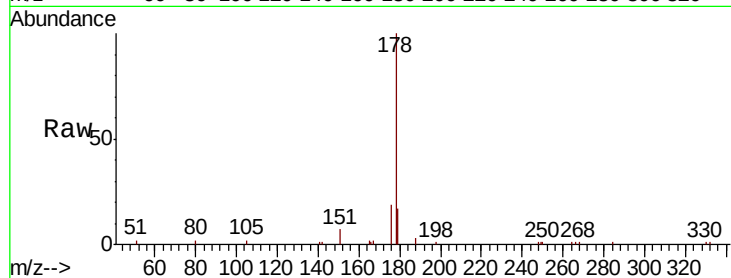
#23
Phenanthrene
Concen: 0.414 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.8	12.2	18.4

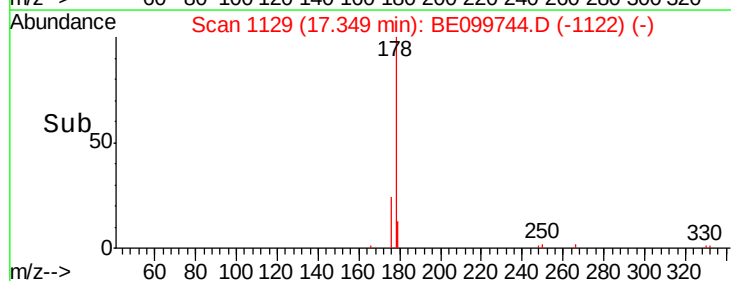
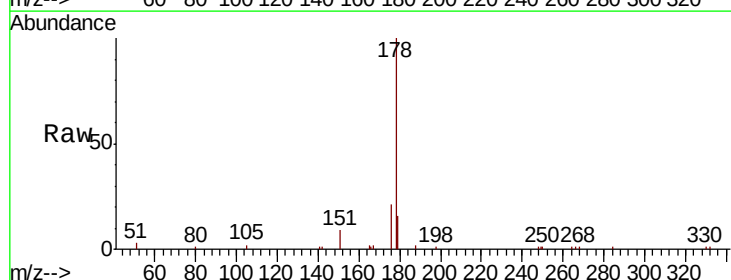
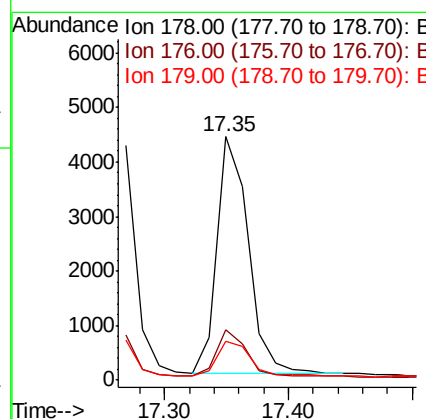
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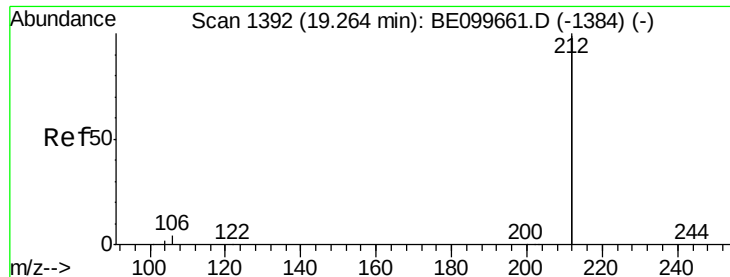
mohammad
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#24
Anthracene
Concen: 0.425 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.0	12.0	18.0





#25

Fluoranthene-d10

Concen: 0.366 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

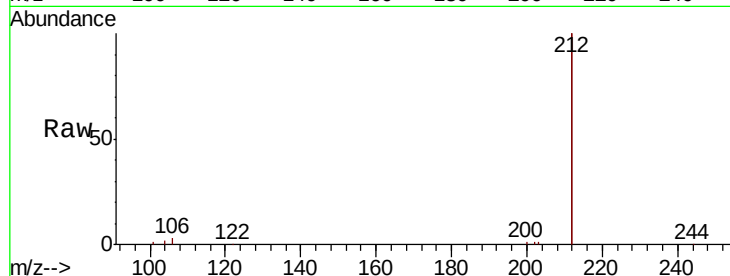
ClientSampleId :

FESB-23(3-3.5)MSD

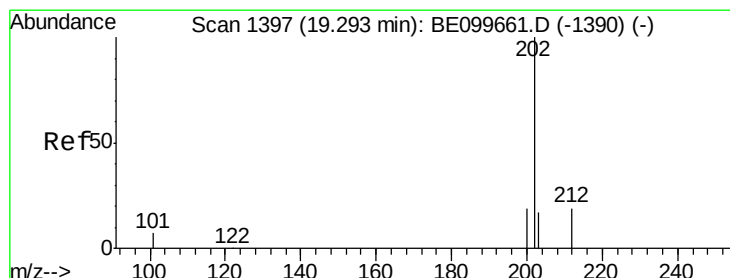
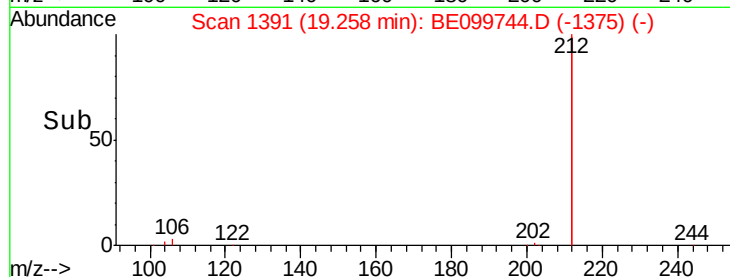
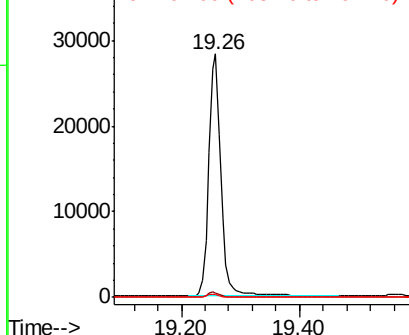
Tot Ion:	212	Resp:	40538
Ion Ratio	Lower	Upper	
212	100		
106	1.8	1.4	2.2
104	1.1	0.8	1.2

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



#26

Fluoranthene

Concen: 0.433 ng

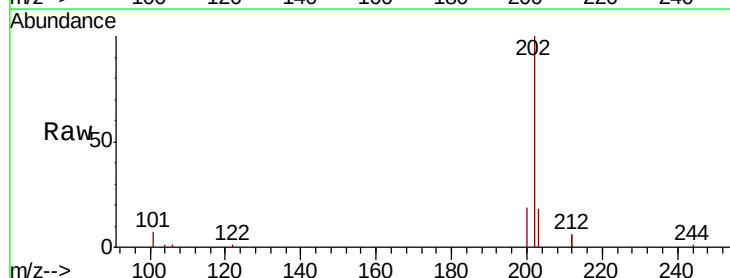
RT: 19.29 min Scan# 1396

Delta R.T. -0.01 min

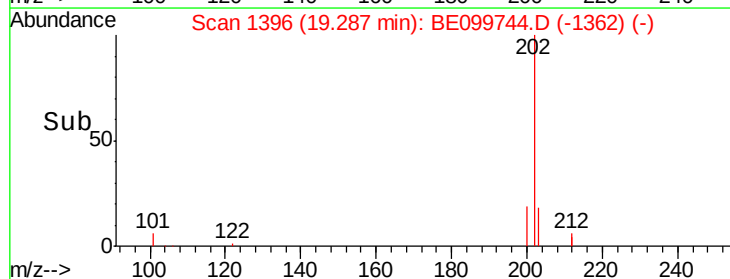
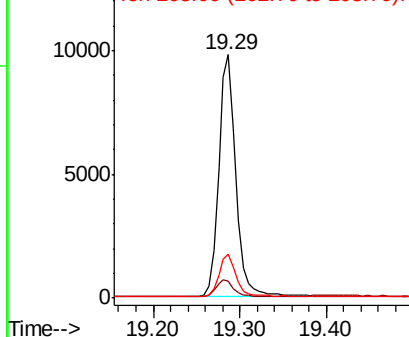
Lab File: BE099744.D

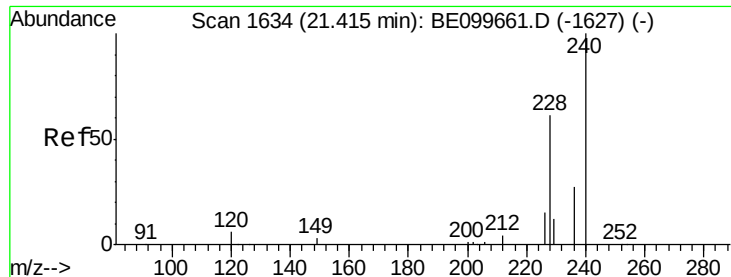
Acq: 24 May 2019 16:10

Tgt Ion:	202	Resp:	13533
Ion Ratio	Lower	Upper	
202	100		
101	6.9	5.2	7.8
203	17.0	13.8	20.6



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





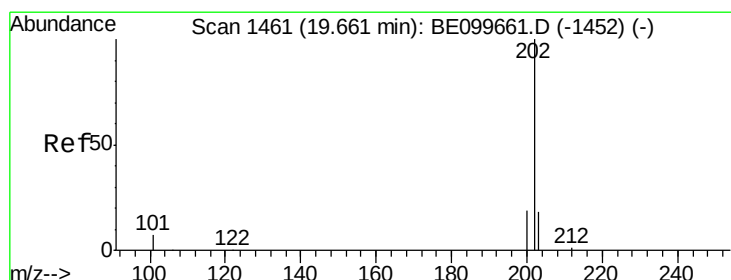
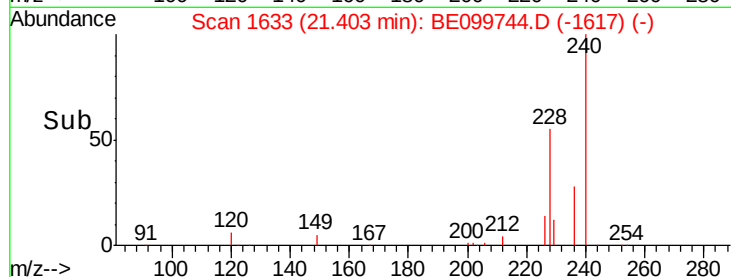
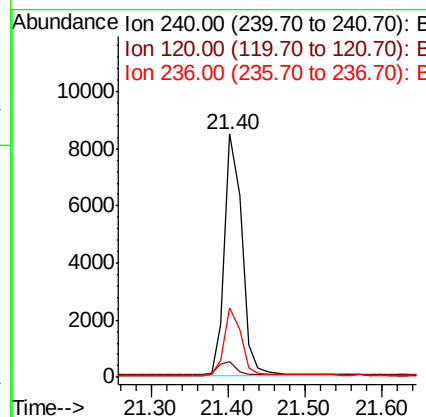
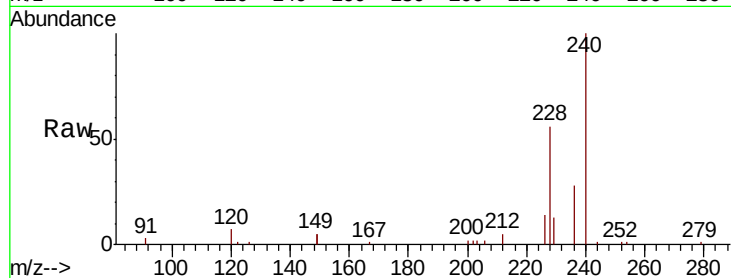
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.6	5.4	8.0
236	28.3	21.7	32.5

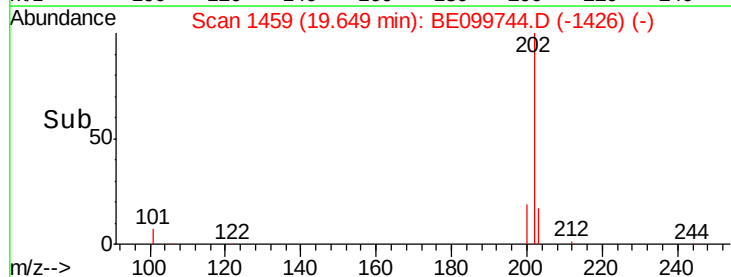
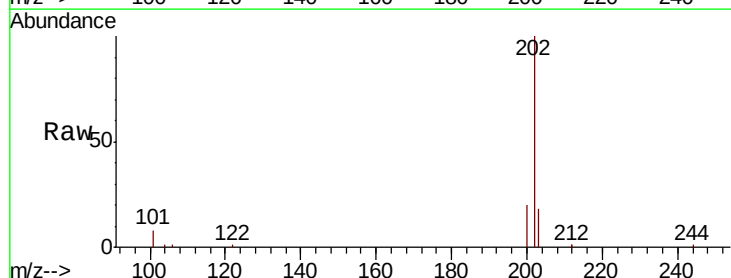
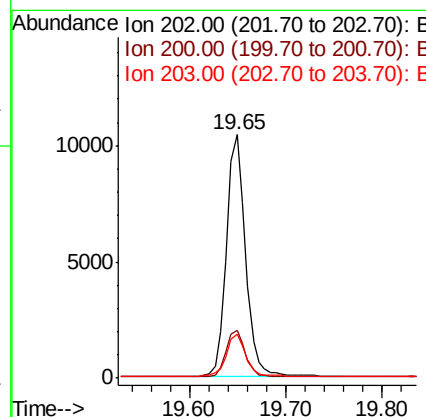
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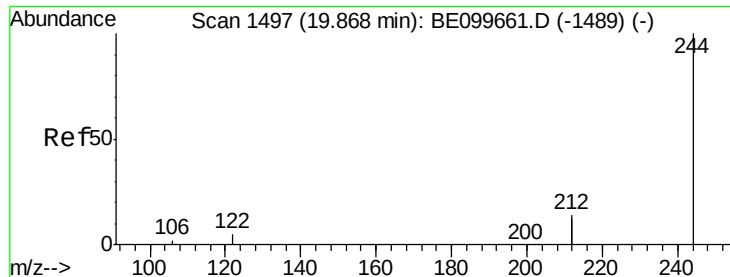
mohammad
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#28
Pyrene
Concen: 0.429 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.4	23.2
203	18.3	13.8	20.8





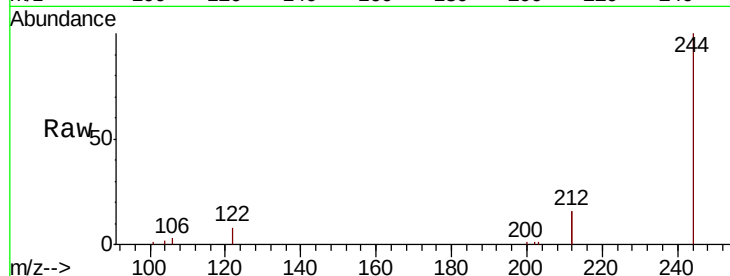
#29
 Terphenyl-d14
 Concen: 0.337 ng
 RT: 19.85 min Scan# 1494
 Delta R.T. -0.02 min
 Lab File: BE099744.D
 Acq: 24 May 2019 16:10

Instrument :
 BNA_E
 ClientSampleId :
 FESB-23(3-3.5)MSD

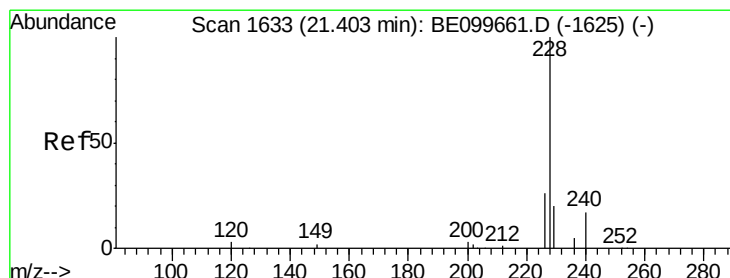
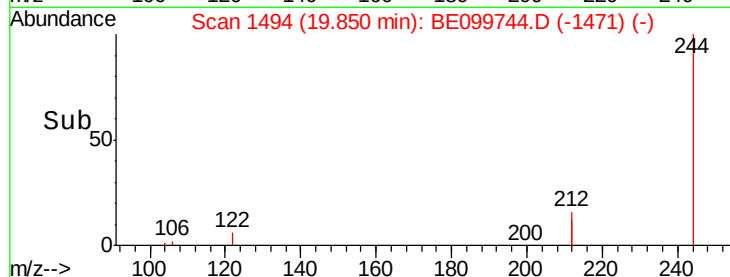
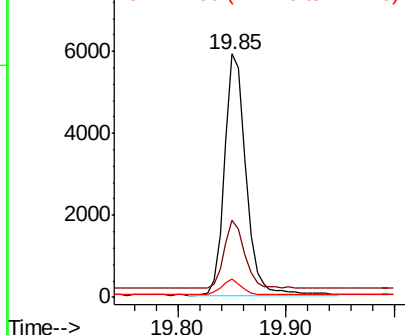
Tot Ion	Ratio	Lower	Upper
244	100		
212	31.7	22.5	33.7
122	7.5	4.3	6.5

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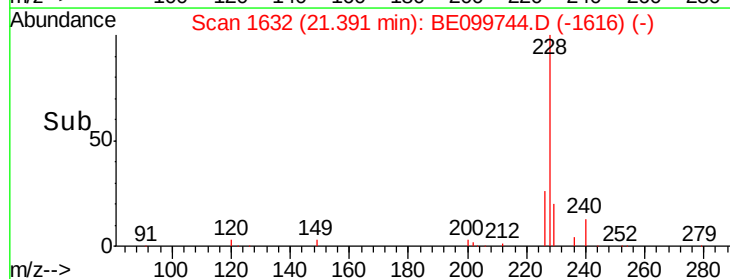
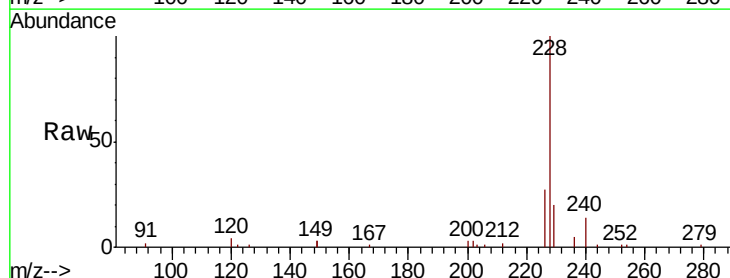
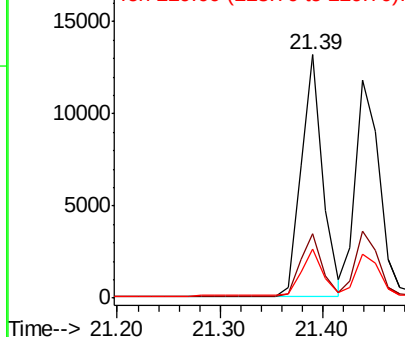
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

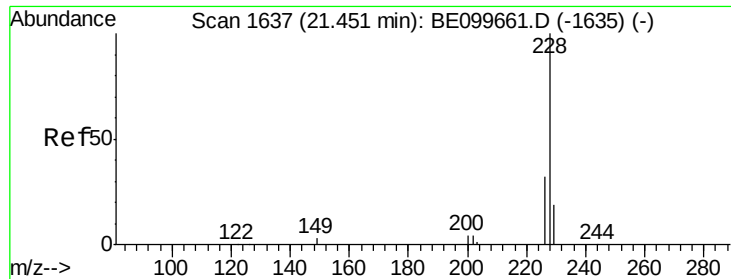


#30
 Benzo(a)anthracene
 Concen: 0.505 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BE099744.D
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.3	31.9
229	20.3	16.1	24.1

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.462 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

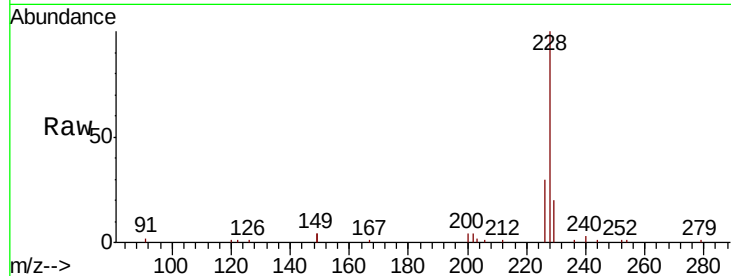
ClientSampleId :

FESB-23(3-3.5)MSD

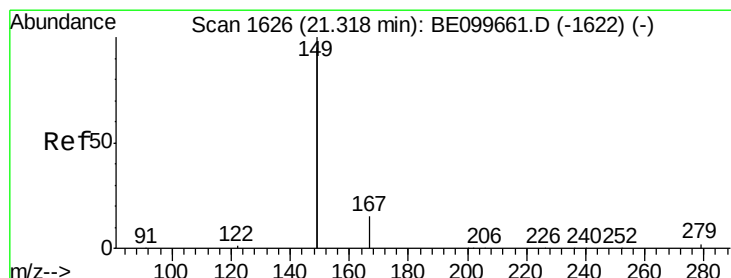
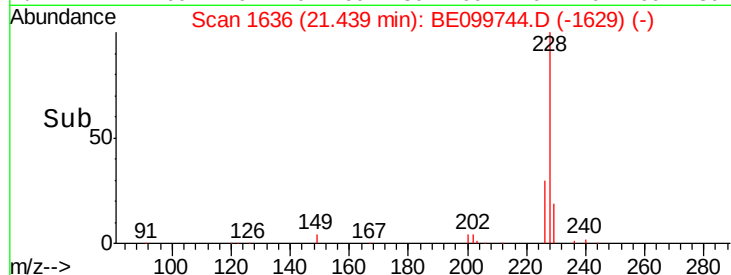
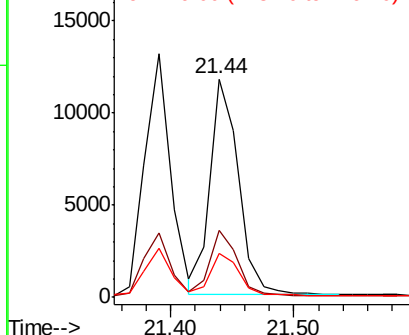
Tot Ion:	228	Resp:	18787
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.7	37.1
229	19.9	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.736 ng

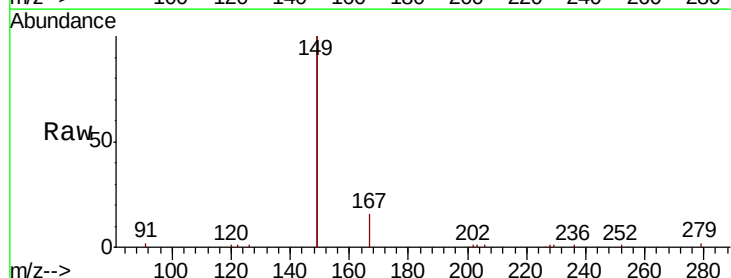
RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

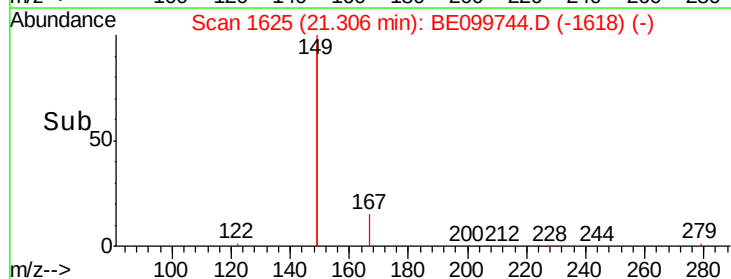
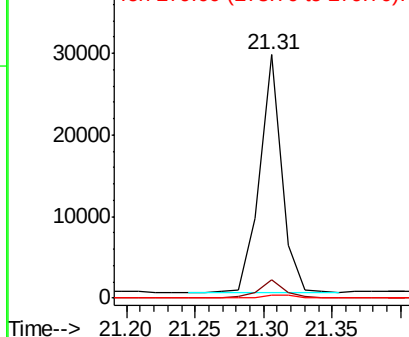
Lab File: BE099744.D

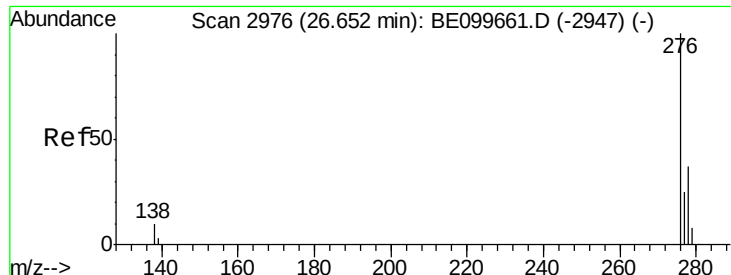
Acq: 24 May 2019 16:10

Tgt Ion:	149	Resp:	32304
Ion Ratio	Lower	Upper	
149	100		
167	7.9	6.2	9.4
279	1.4	1.2	1.8



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





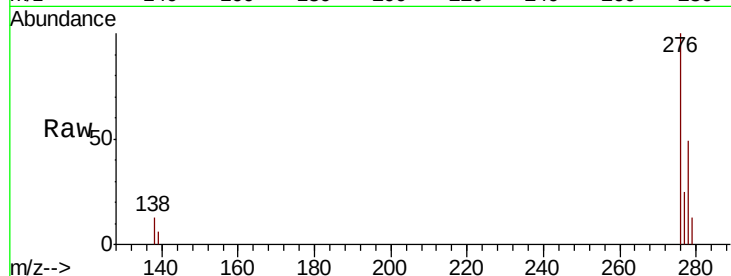
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.479 ng
 RT: 26.63 min Scan# 2970
 Delta R.T. -0.02 min
 Lab File: BE099744.D
 Acq: 24 May 2019 16:10

Instrument :
 BNA_E
 ClientSampleId :
 FESB-23(3-3.5)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.6	9.6	14.4
277	24.4	19.2	28.8

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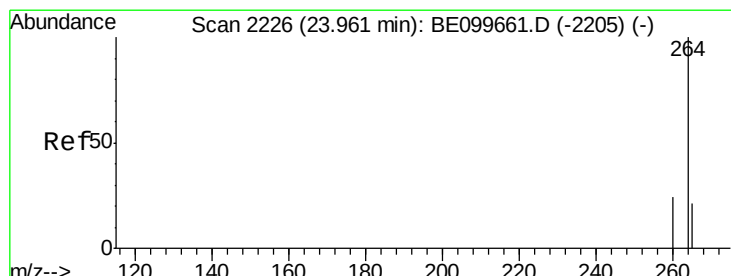
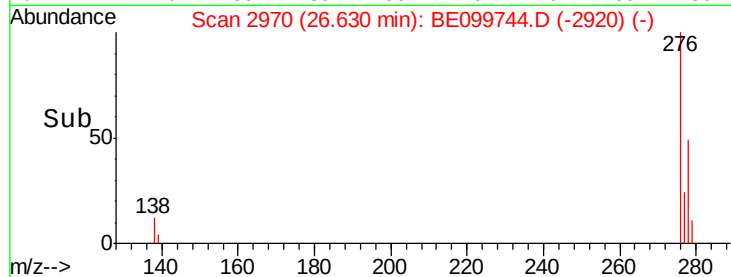
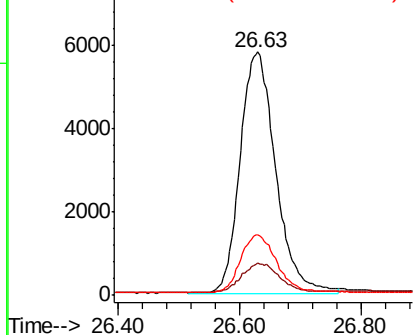


Abundance

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: 23.94 min Scan# 2220
 Delta R.T. -0.02 min
 Lab File: BE099744.D
 Acq: 24 May 2019 16:10

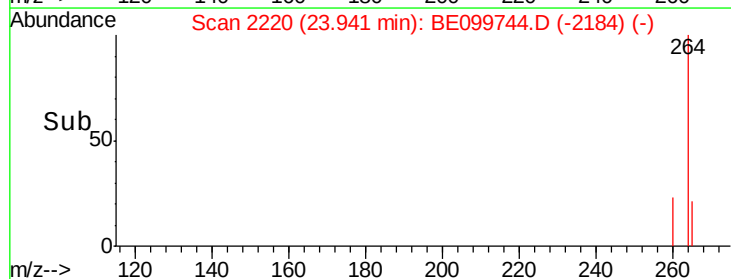
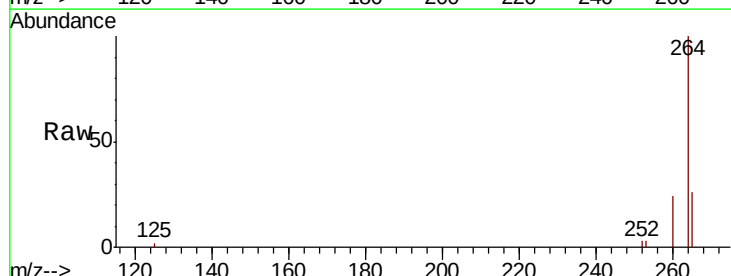
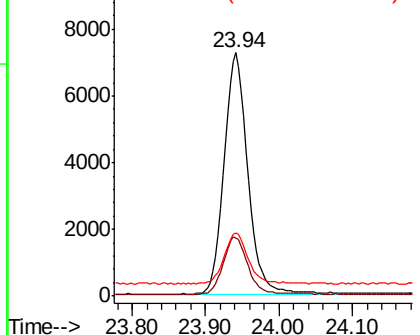
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.6	29.4
265	25.8	19.1	28.7

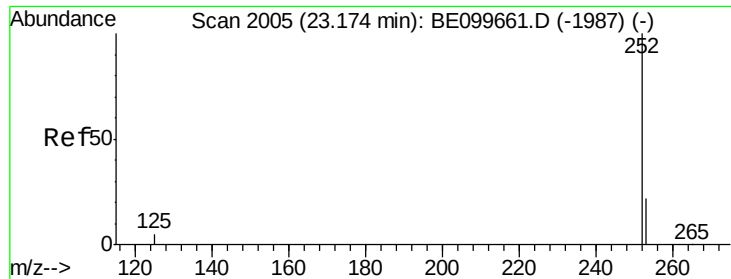
Abundance

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





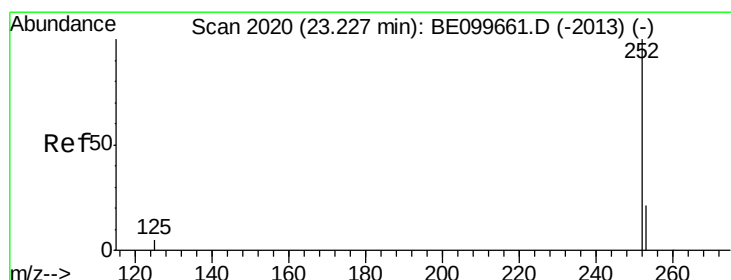
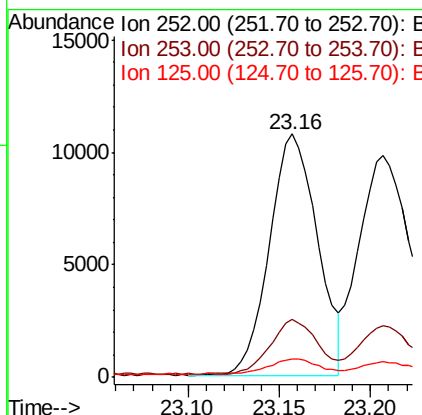
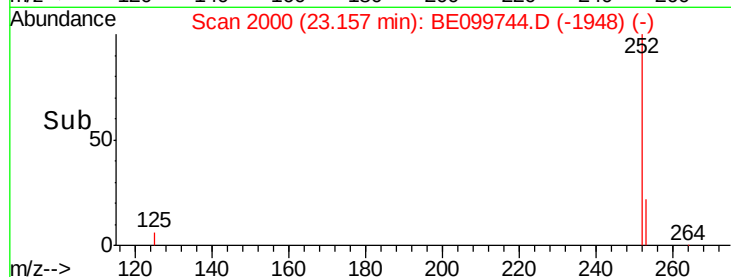
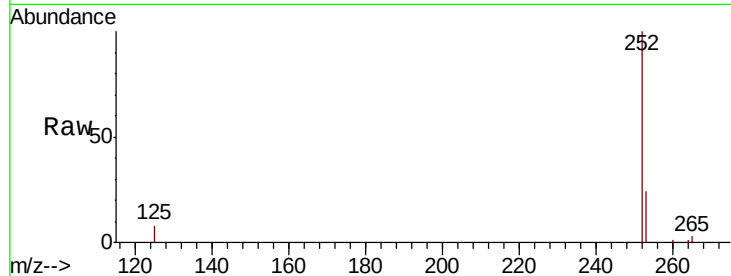
#35
Benzo(b)fluoranthene
Concen: 0.432 ng
RT: 23.16 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Instrument :
BNA_E
ClientSampleId :
FESB-23(3-3.5)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	7.8	4.5	6.7

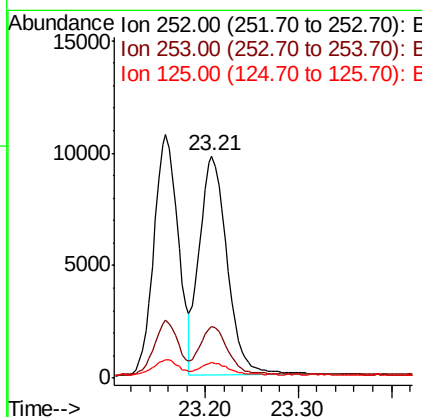
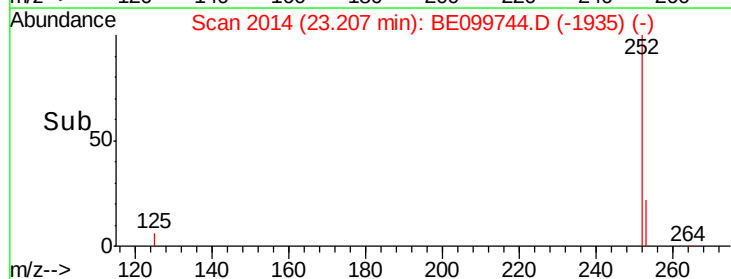
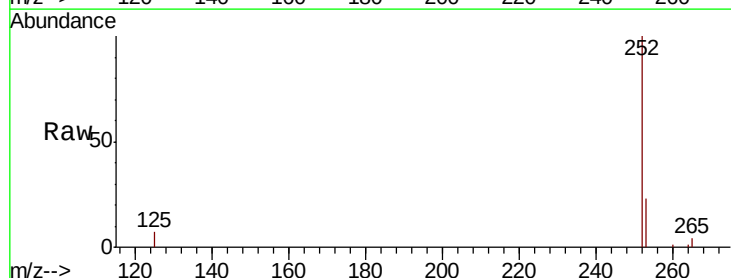
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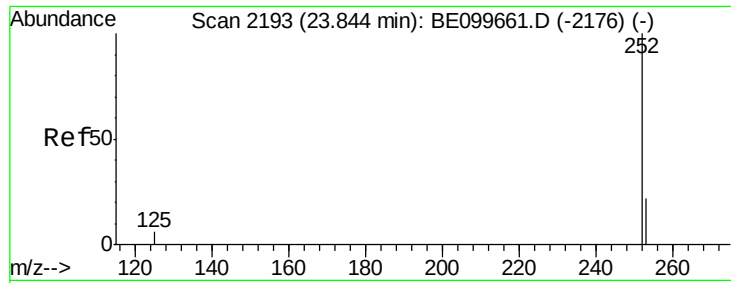
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#36
Benzo(k)fluoranthene
Concen: 0.430 ng
RT: 23.21 min Scan# 2014
Delta R.T. -0.02 min
Lab File: BE099744.D
Acq: 24 May 2019 16:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	7.0	4.6	6.8





#37

Benzo(a)pyrene

Concen: 0.442 ng

RT: 23.82 min Scan# 2187

Delta R.T. -0.02 min

Lab File: BE099744.D

Acq: 24 May 2019 16:10

Instrument :

BNA_E

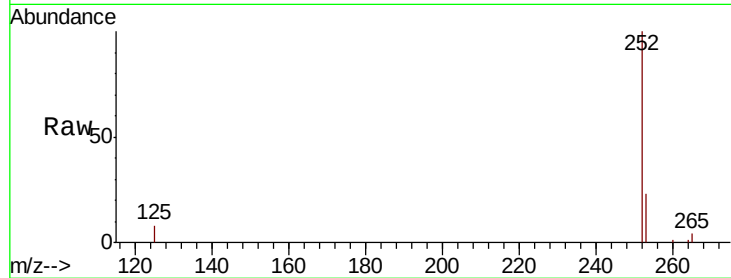
ClientSampleId :

FESB-23(3-3.5)MSD

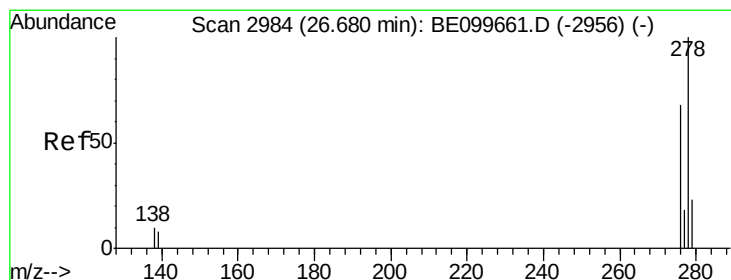
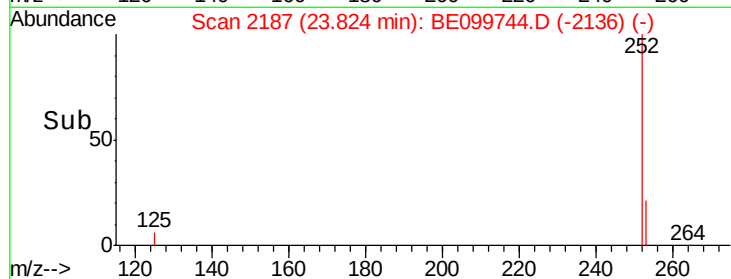
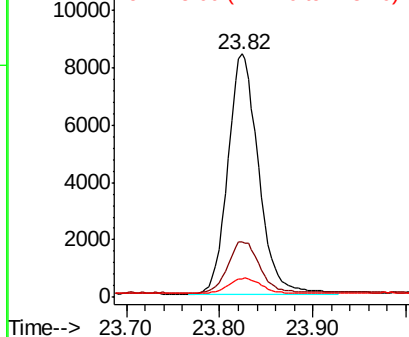
Tot Ion:	252	Resp:	19229
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.9	28.3
125	7.8	5.4	8.0

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.425 ng

RT: 26.65 min Scan# 2977

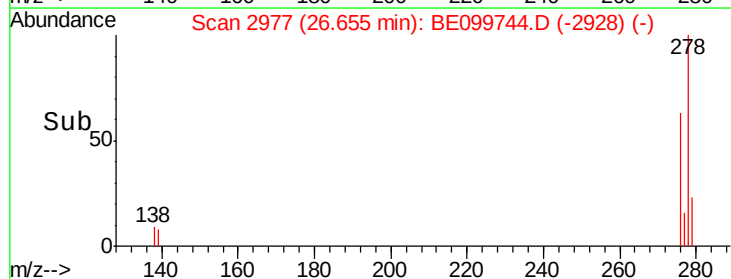
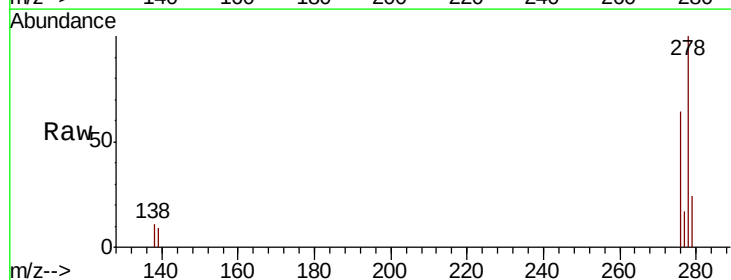
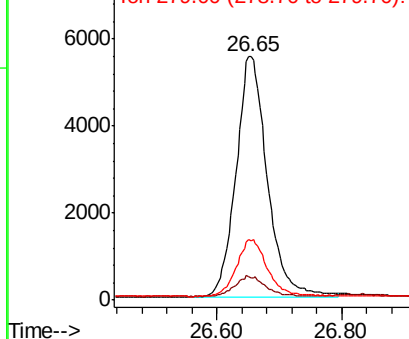
Delta R.T. -0.03 min

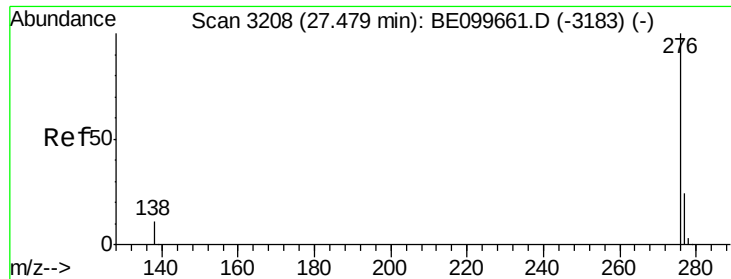
Lab File: BE099744.D

Acq: 24 May 2019 16:10

Tgt Ion:	278	Resp:	19427
Ion Ratio	Lower	Upper	
278	100		
139	9.1	6.9	10.3
279	24.5	19.2	28.8

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





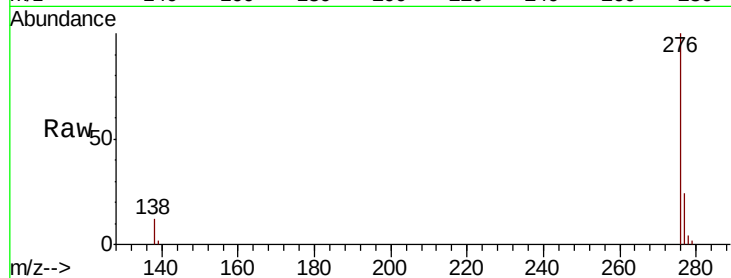
#39
 Benzo(a,h,i)perylene
 Concen: 0.438 ng
 RT: 27.45 min Scan# 3201
 Delta R.T. -0.03 min
 Lab File: BE099744.D
 Acq: 24 May 2019 16:10

Instrument :
 BNA_E
 ClientSampleId :
 FESB-23(3-3.5)MSD

Tot Ion:	276	Resp:	20230
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.8	29.6
138	12.1	9.2	13.8

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

