

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052119\
 Data File : BE099700.D
 Acq On : 21 May 2019 21:45
 Operator : JU/SJ
 Sample : K2944-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-2(14.5-15)

Manual Integrations
 APPROVED

mohammad
 5/23/2019 8:42:32 AM

Quant Time: May 28 05:31:26 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	1502	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5256	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	3975	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	11157	0.40	ng	0.00
27) Chrysene-d12	21.41	240	15503	0.40	ng	0.00
34) Perylene-d12	23.95	264	18527	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	1215	0.32	ng	0.00
5) Phenol-d6	6.97	99	1652	0.33	ng	0.00
8) Nitrobenzene-d5	8.98	82	1229	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	2645	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	601	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	4009	0.27	ng	0.00
25) Fluoranthene-d10	19.26	212	41339	0.27	ng	0.00
29) Terphenyl-d14	19.86	244	8877	0.32	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.27	178	1261m	0.046	ng	
26) Fluoranthene	19.29	202	2652	0.062	ng	# 96
28) Pyrene	19.66	202	2294	0.059	ng	# 94
30) Benzo(a)anthracene	21.40	228	1385	0.031	ng	# 84
32) Bis(2-ethylhexyl)phthalate	21.32	149	96455	1.900	ng	# 99
35) Benzo(b)fluoranthene	23.17	252	1743	0.034	ng	# 15
37) Benzo(a)pyrene	23.84	252	1217	0.025	ng	# 27

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

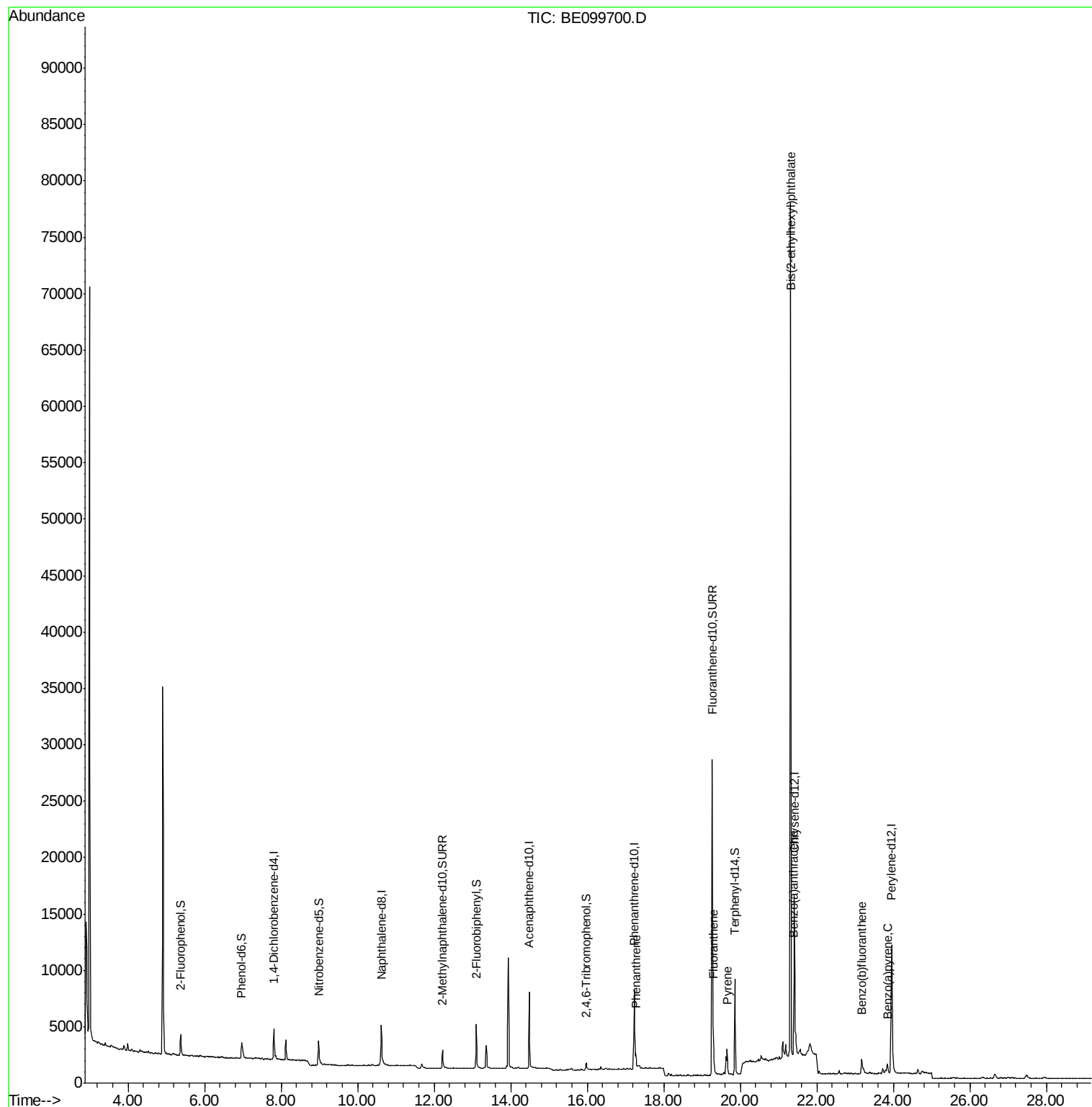
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052119\
Data File : BE099700.D
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Operator : JU/SJ
Sample : K2944-02
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FESB-2(14.5-15)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
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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: BE099700.D

Acq: 21 May 2019 21:45

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

Tot Ion:152 Resp: 1502

Ion Ratio Lower Upper

152 100

150 146.2 109.2 163.8

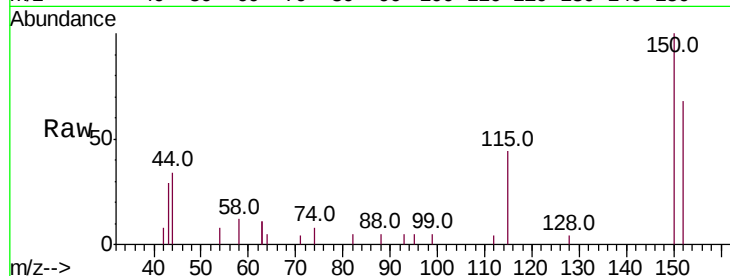
115 64.3 43.7 65.5

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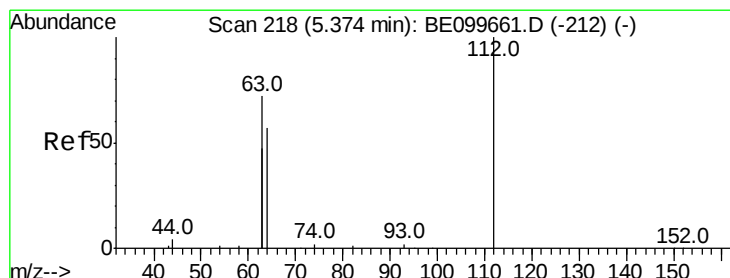
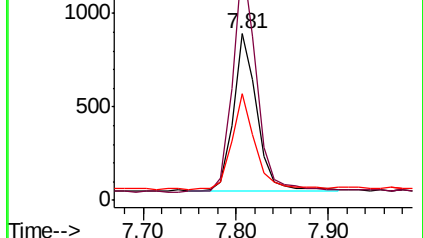
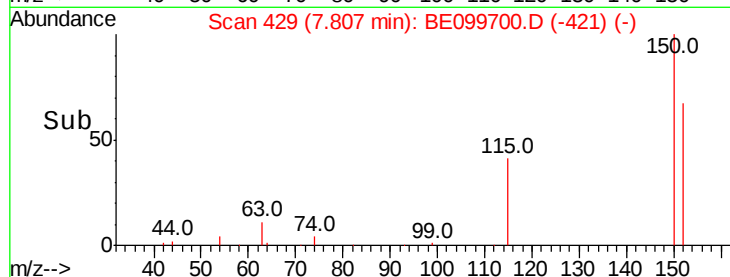
5/23/2019 8:42:32 AM



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: 0.320 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

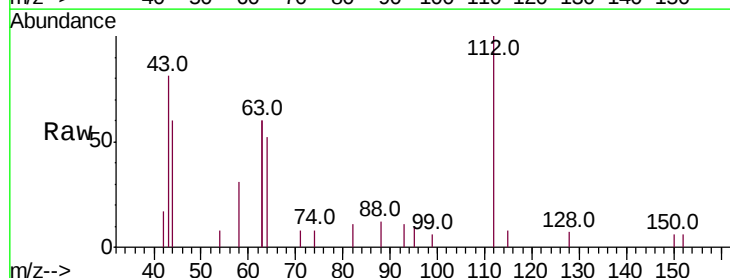
Tgt Ion:112 Resp: 1215

Ion Ratio Lower Upper

112 100

64 55.7 43.4 65.2

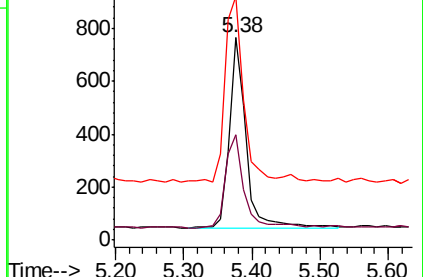
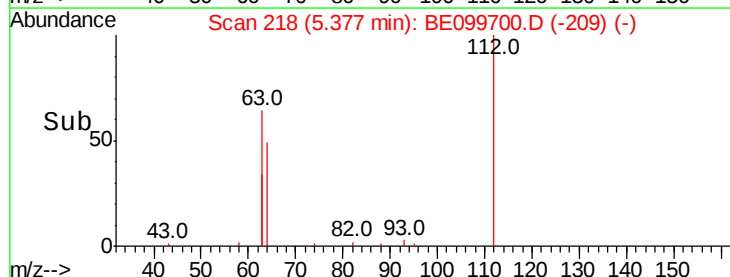
63 109.5 96.9 145.3

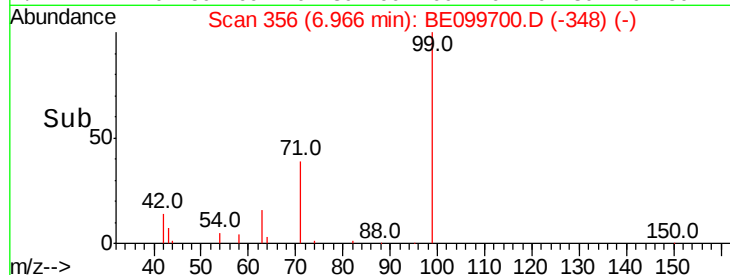
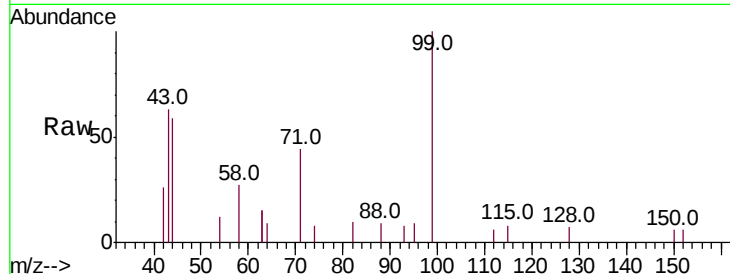
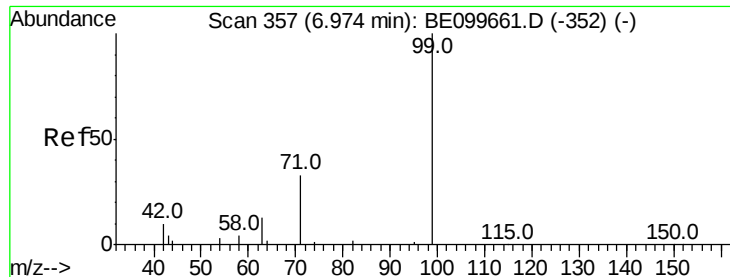


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.329 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

Tot Ion:	99	Resp:	1652
Ion	Ratio	Lower	Upper
99	100		
42	18.1	12.2	18.2
71	36.0	28.9	43.3

Instrument :

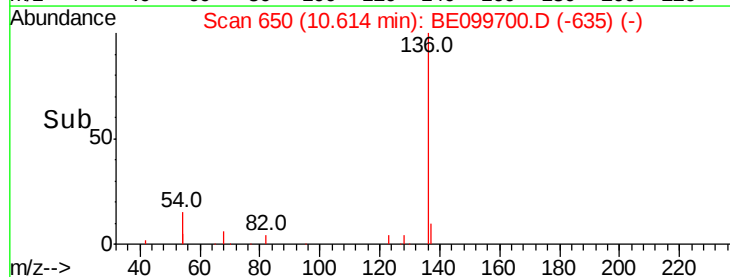
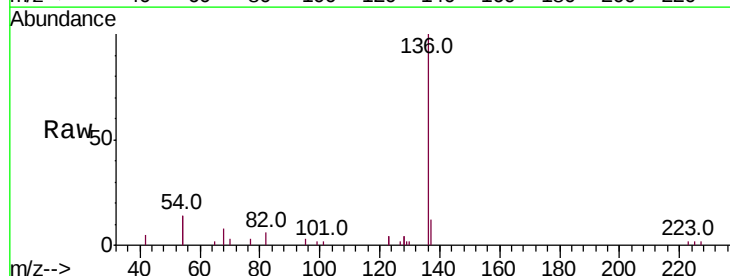
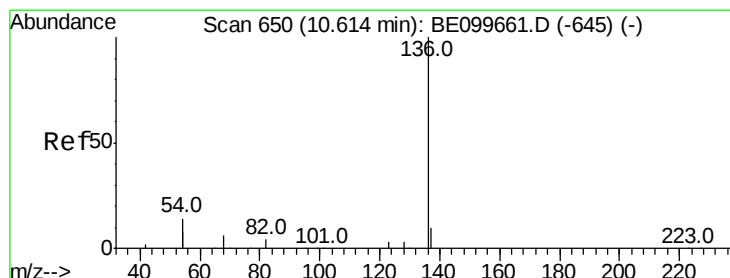
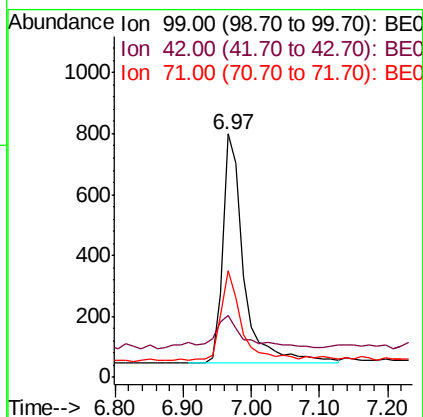
BNA_E

ClientSampled :

FESB-2(14.5-15)

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#7

Naphthalene-d8

Concen: 0.400 ng

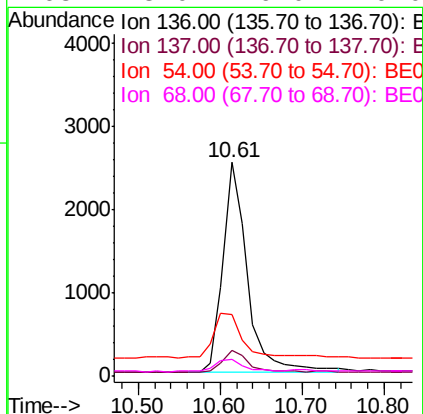
RT: 10.61 min Scan# 650

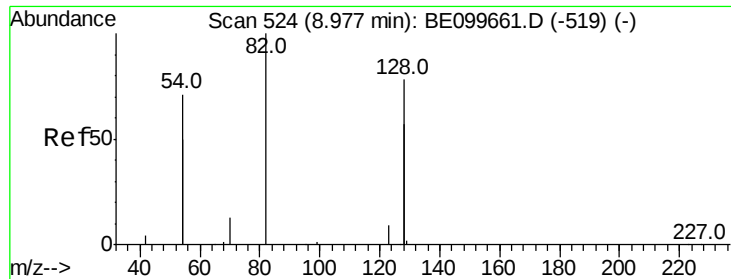
Delta R.T. -0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

Tgt Ion:	136	Resp:	5256
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.0	13.6
54	28.8	22.3	33.5
68	8.0	6.0	9.0





#8

Nitrobenzene-d5

Concen: 0.270 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

Instrument :

BNA_E

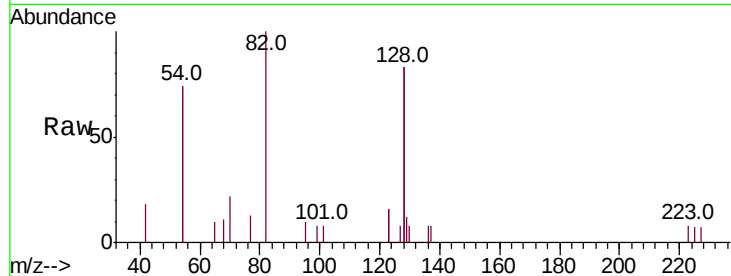
ClientSampleId :

FESB-2(14.5-15)

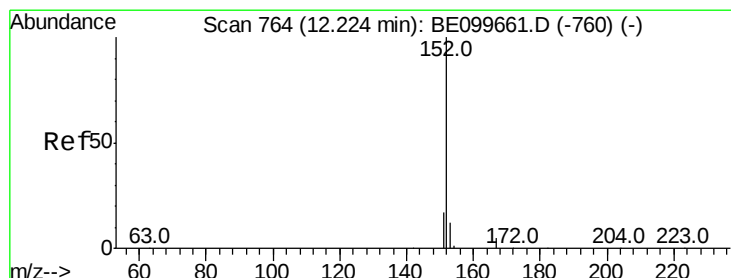
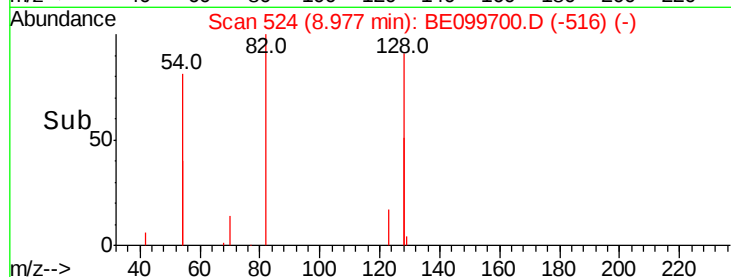
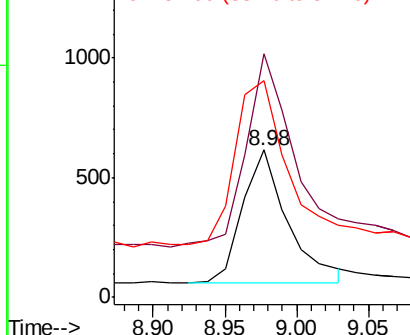
Tot Ion:	82	Resp:	1229
Ion	Ratio	Lower	Upper
82	100		
128	165.3	117.7	176.5
54	147.4	106.6	160.0

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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



#11

2-Methylnaphthalene-d10

Concen: 0.292 ng

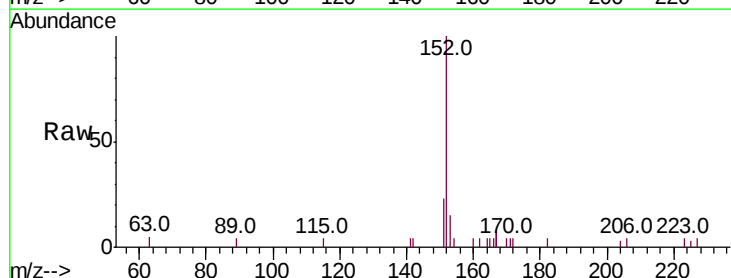
RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

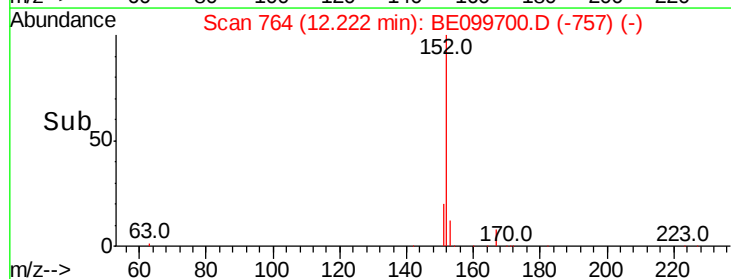
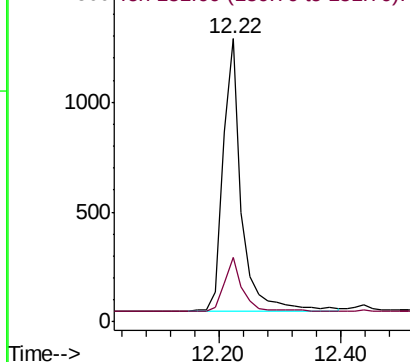
Lab File: BE099700.D

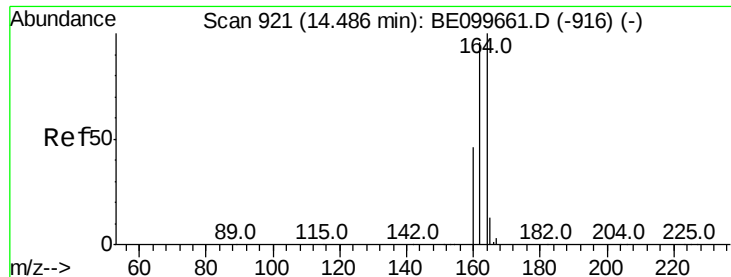
Acq: 21 May 2019 21:45

Tgt Ion:	152	Resp:	2645
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.0	22.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.48 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

Instrument :

BNA_E

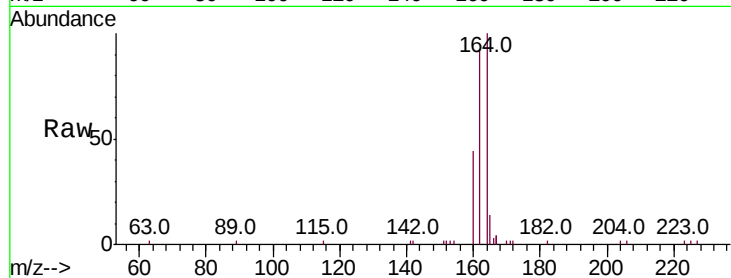
ClientSampleId :

FESB-2(14.5-15)

Tot Ion:	164	Resp:	3975
Ion Ratio	Lower	Upper	
164	100		
162	92.4	76.5	114.7
160	44.1	37.4	56.2

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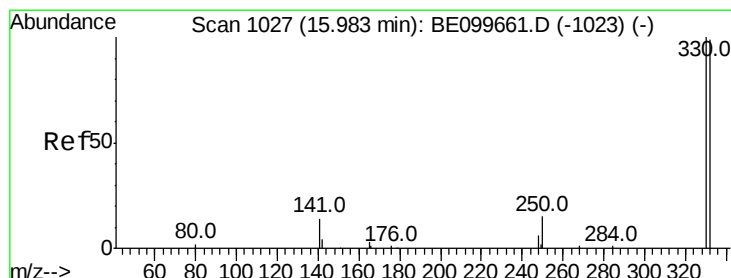
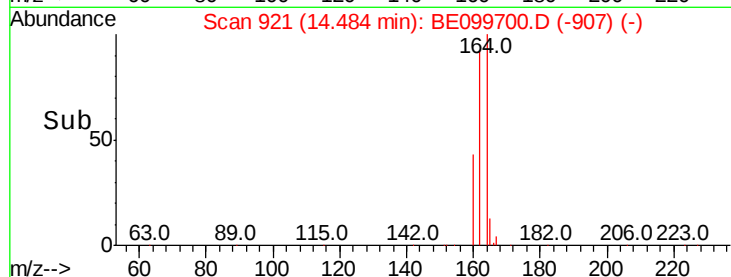
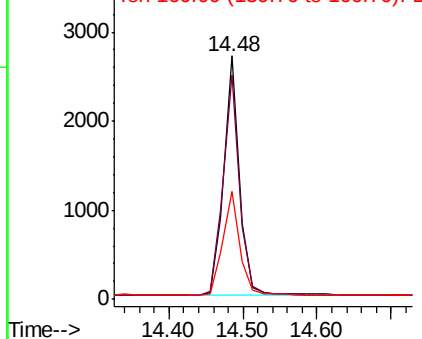
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.333 ng

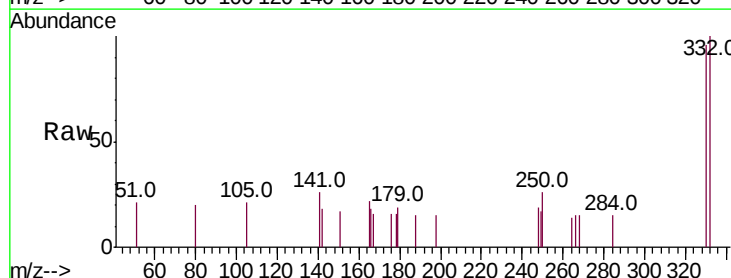
RT: 15.98 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

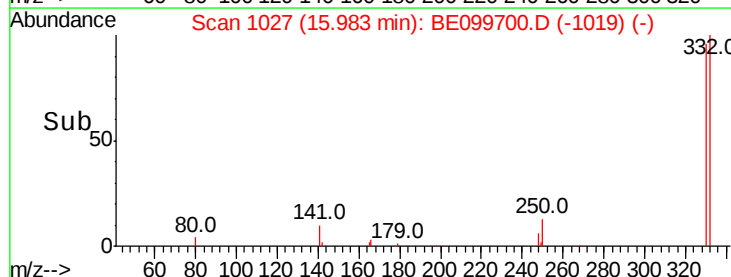
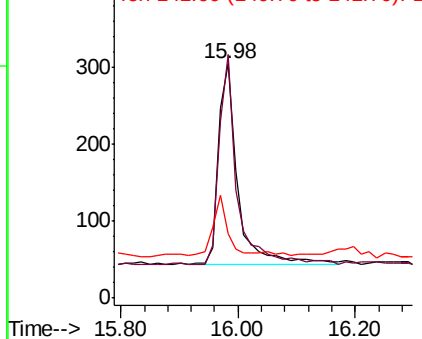
Tgt Ion:	330	Resp:	601
Ion Ratio	Lower	Upper	
330	100		
332	100.5	77.3	115.9
141	22.1	18.9	28.3

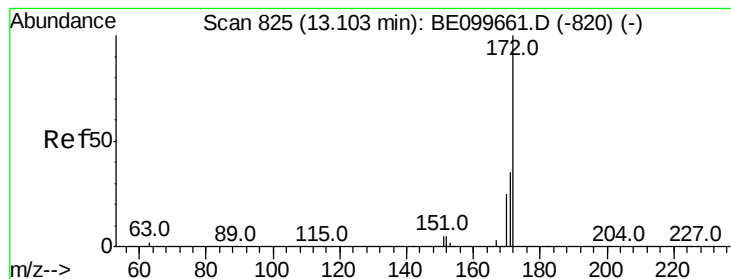


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





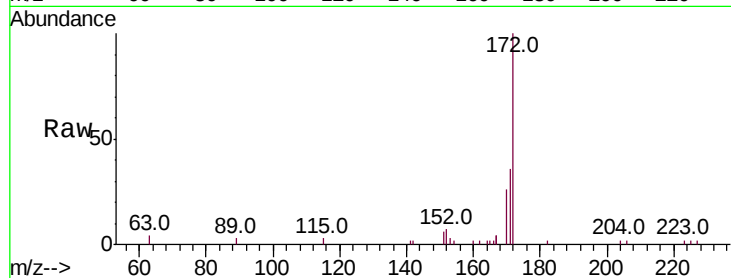
#15
2-Fluorobiphenyl
Concen: 0.266 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099700.D
Acq: 21 May 2019 21:45

Instrument :
BNA_E
ClientSampleId :
FESB-2(14.5-15)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.7	43.1
170	25.7	20.9	31.3

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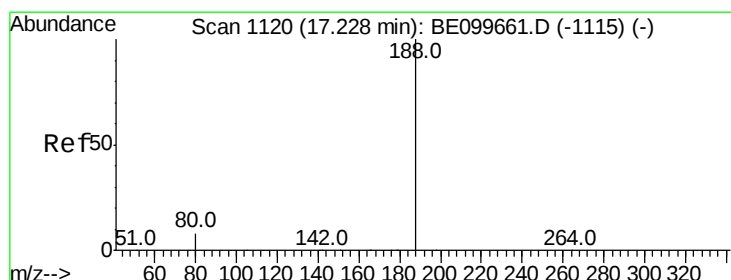
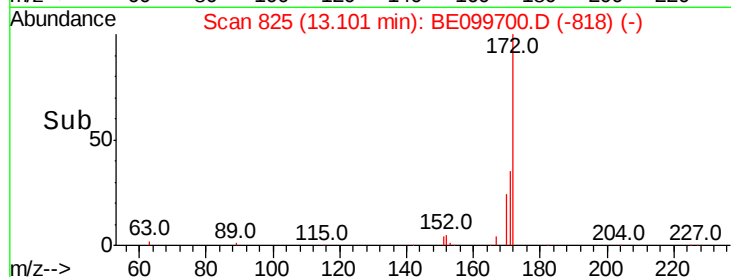
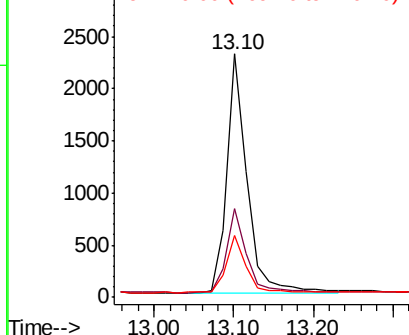


Abundance

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



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099700.D
Acq: 21 May 2019 21:45

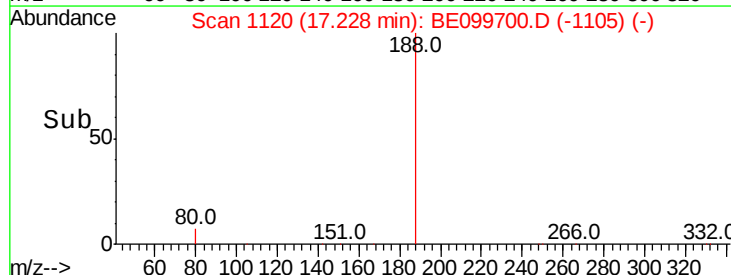
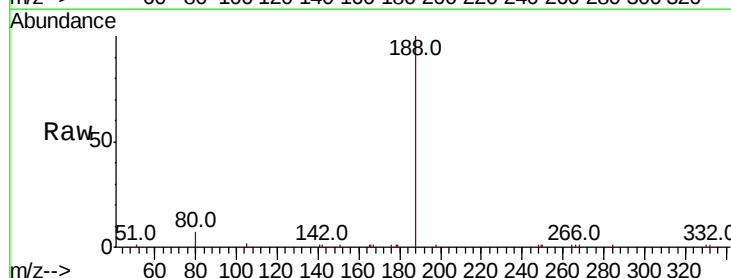
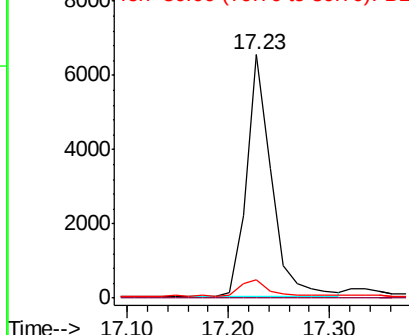
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.4	6.7	10.1

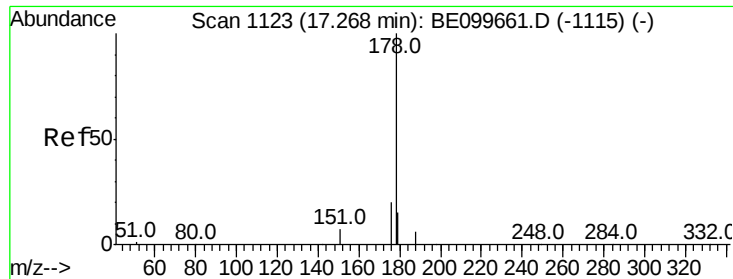
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





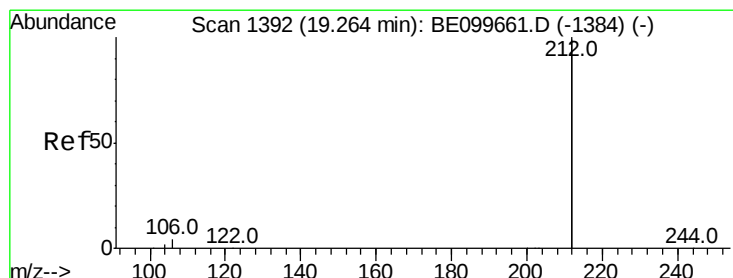
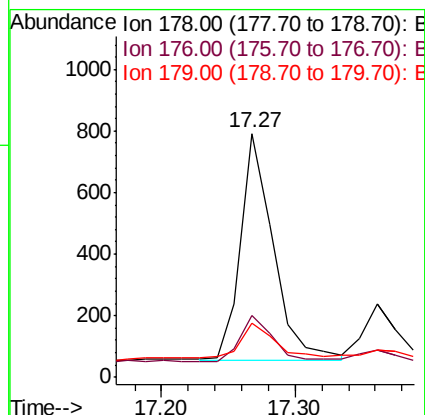
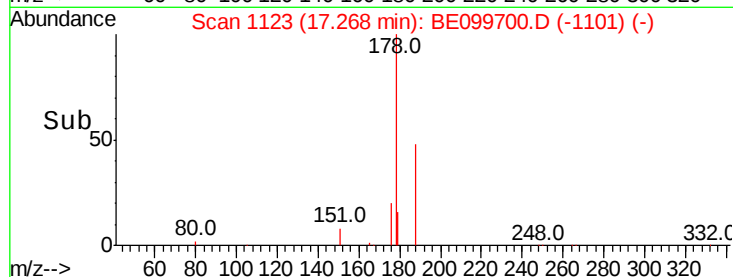
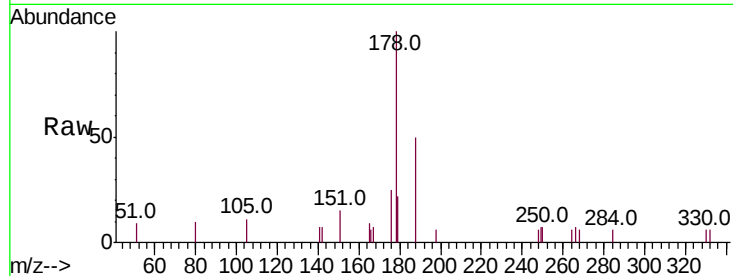
#23
Phenanthrene
Concen: 0.046 ng/ml
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099700.D
Acq: 21 May 2019 21:45

Instrument :
BNA_E
ClientSampled :
FESB-2(14.5-15)

Tot Ion:	178	Resp:	1261
Ion Ratio	Lower	Upper	
178	100		
176	5.0	15.6	23.4#
179	4.4	12.2	18.4#

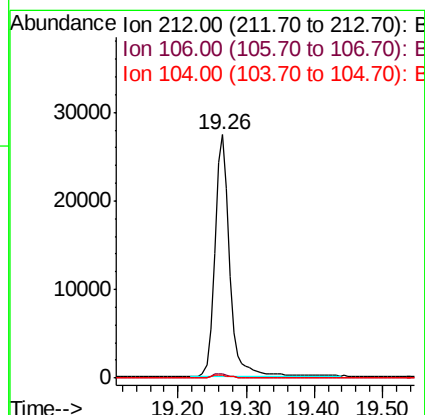
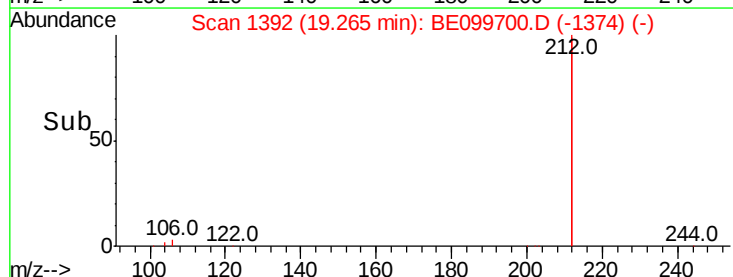
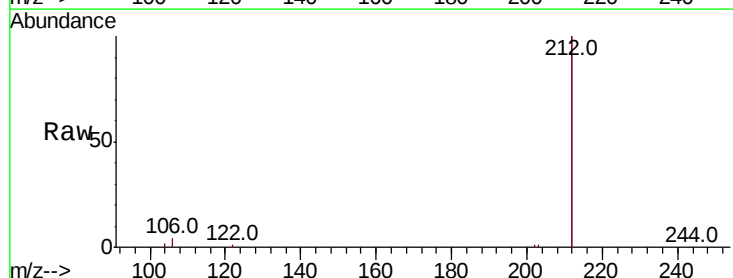
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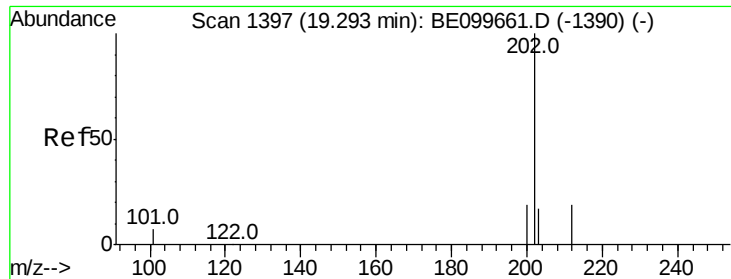
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#25
Fluoranthene-d10
Concen: 0.271 ng
RT: 19.26 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BE099700.D
Acq: 21 May 2019 21:45

Tgt Ion:	212	Resp:	41339
Ion Ratio	Lower	Upper	
212	100		
106	1.7	1.4	2.2
104	1.1	0.8	1.2





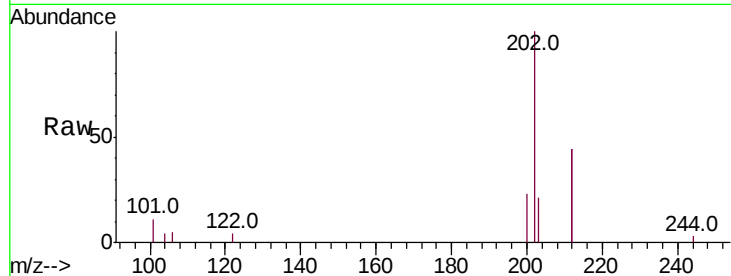
#26
Fluoranthene
 Concen: 0.062 ng
 RT: 19.29 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: BE099700.D
 Acq: 21 May 2019 21:45

Instrument :
 BNA_E
 ClientSampleId :
 FESB-2(14.5-15)

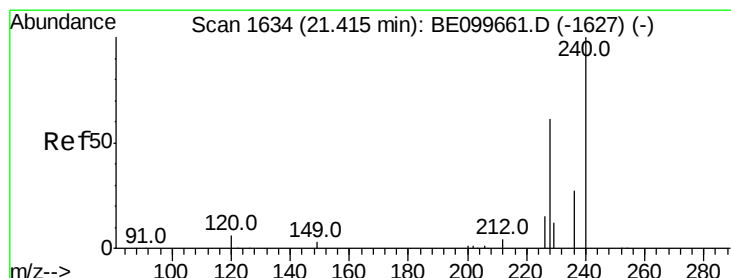
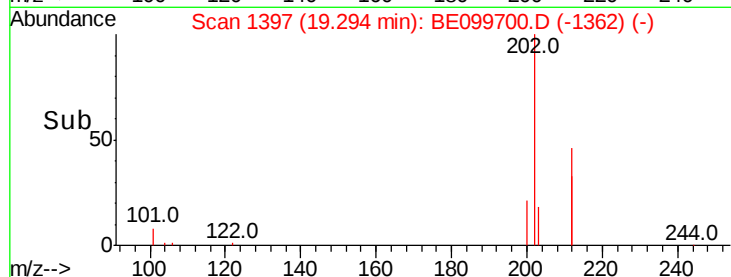
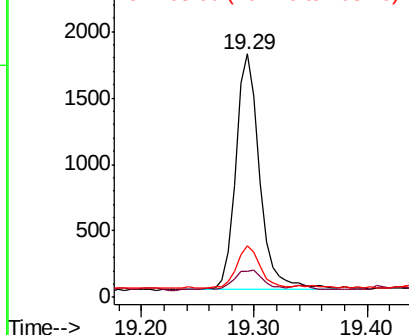
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	5.2	7.8#
203	17.9	13.8	20.6

Manual Integrations
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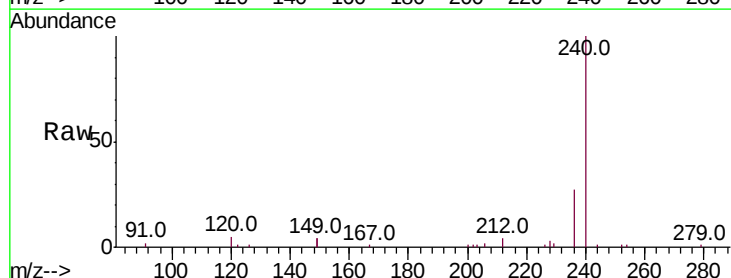


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

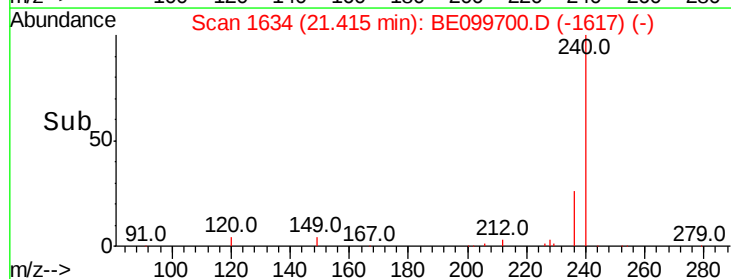
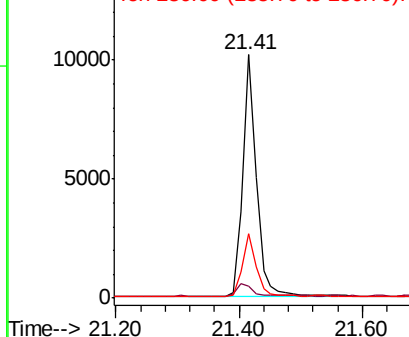


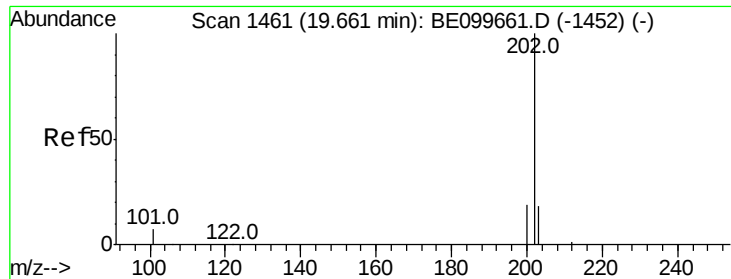
#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE099700.D
 Acq: 21 May 2019 21:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.1	5.4	8.0#
236	26.5	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: 0.059 ng

RT: 19.66 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

Instrument :

BNA_E

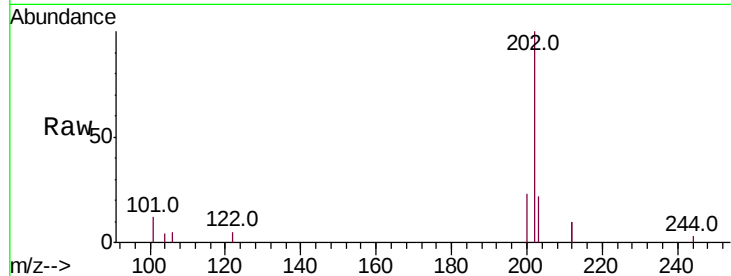
ClientSampleId :

FESB-2(14.5-15)

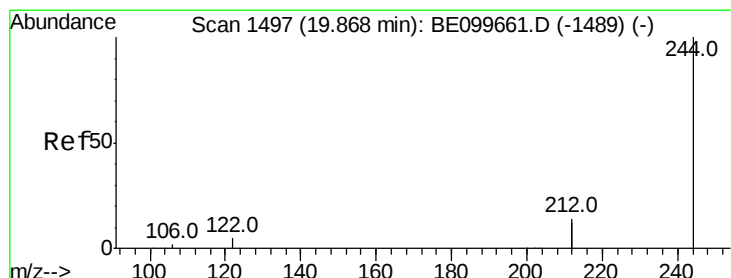
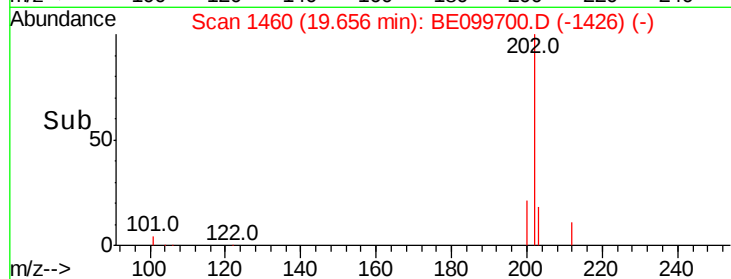
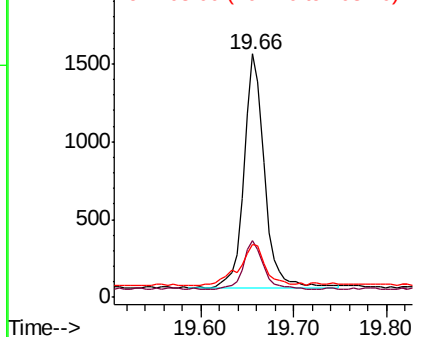
Tot Ion:	202	Resp:	2294
Ion Ratio	Lower	Upper	
202	100		
200	20.1	15.4	23.2
203	22.1	13.8	20.8#

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.321 ng

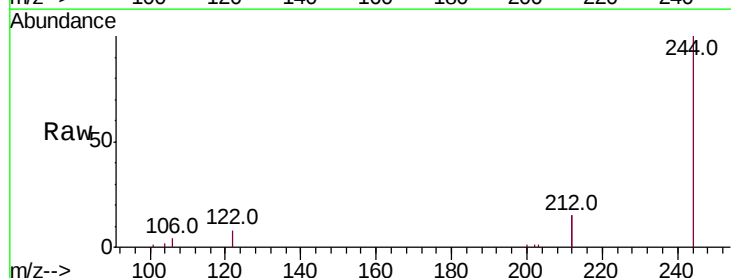
RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

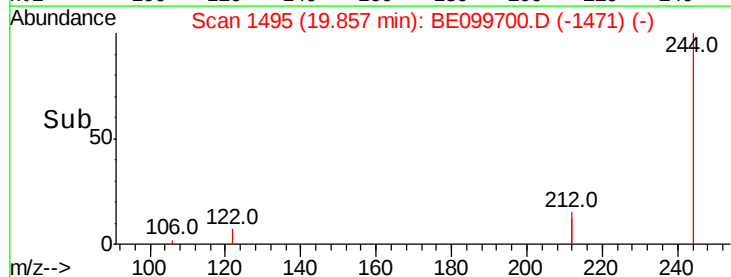
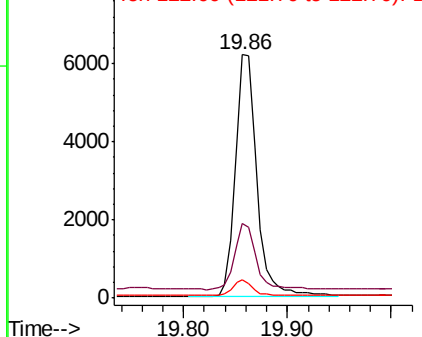
Lab File: BE099700.D

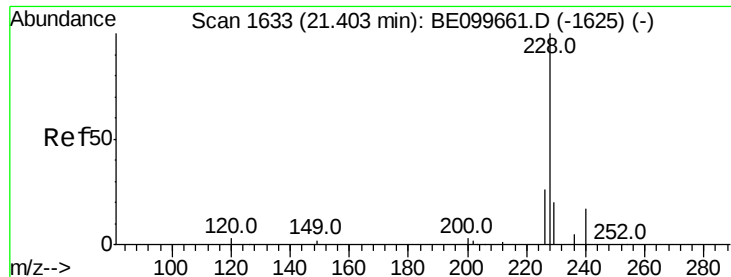
Acq: 21 May 2019 21:45

Tgt Ion:	244	Resp:	8877
Ion Ratio	Lower	Upper	
244	100		
212	30.6	22.5	33.7
122	7.6	4.3	6.5#



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





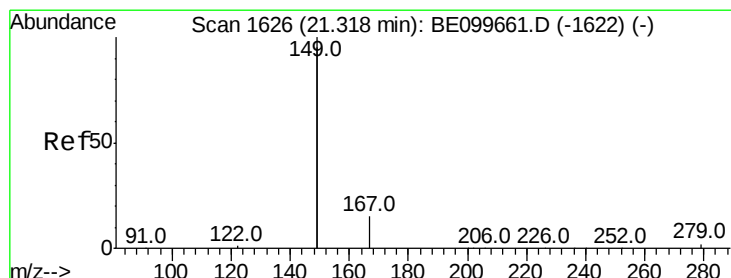
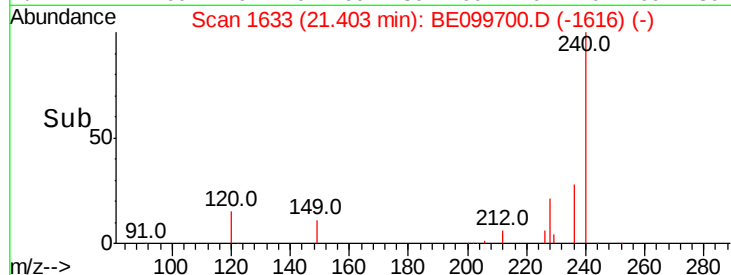
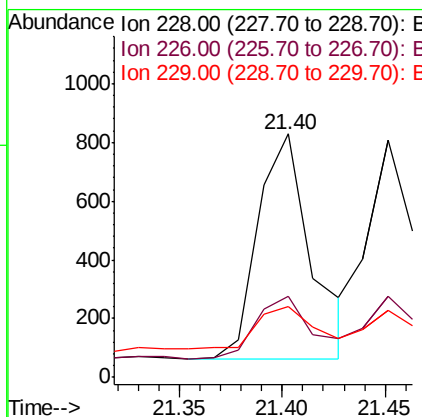
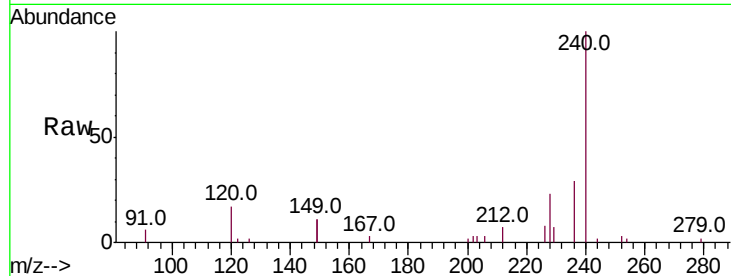
#30
Benzo(a)anthracene
Concen: 0.031 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099700.D
Acq: 21 May 2019 21:45

Instrument :
BNA_E
ClientSampleId :
FESB-2(14.5-15)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.3	21.3	31.9#
229	29.2	16.1	24.1#

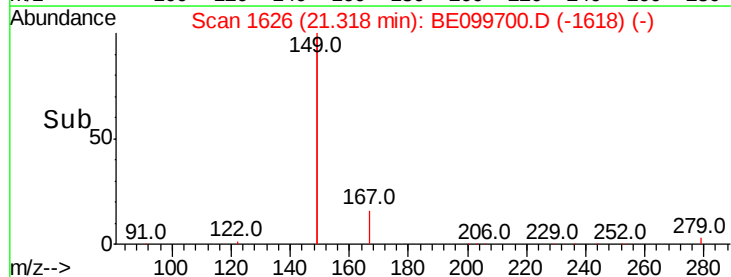
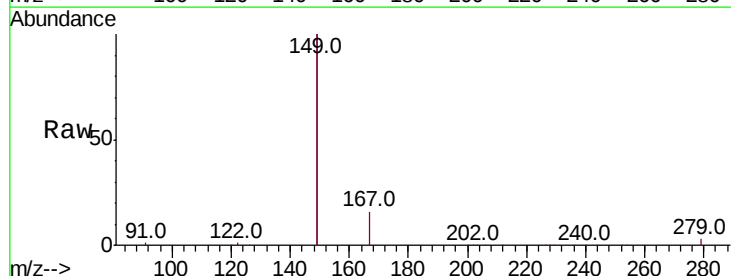
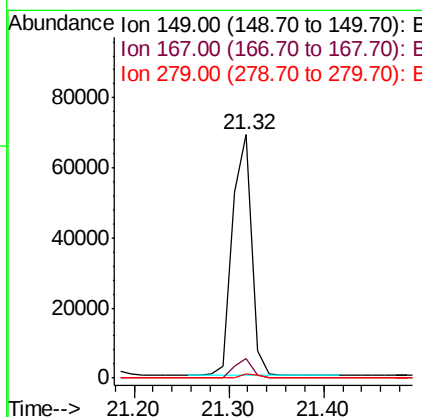
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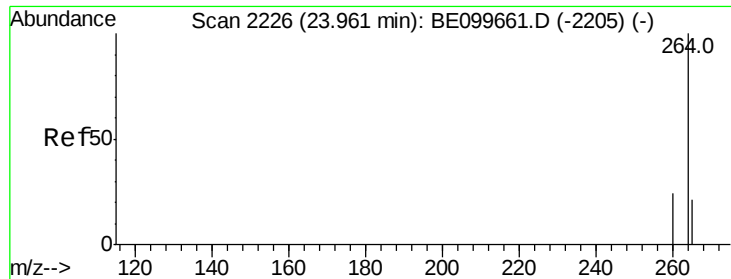
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#32
Bis(2-ethylhexyl)phthalate
Concen: 1.900 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE099700.D
Acq: 21 May 2019 21:45

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.5	6.2	9.4
279	1.5	1.2	1.8





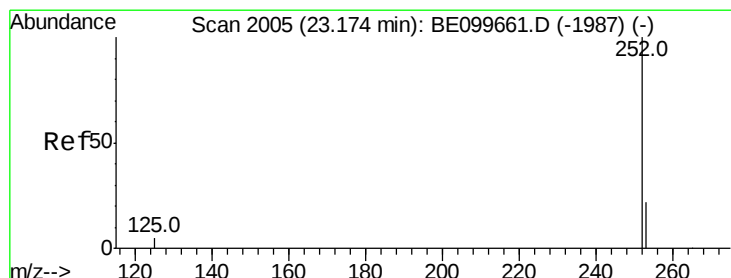
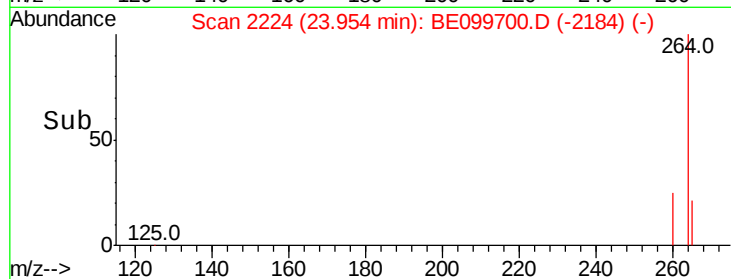
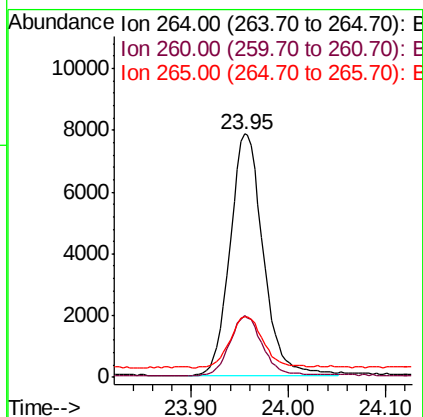
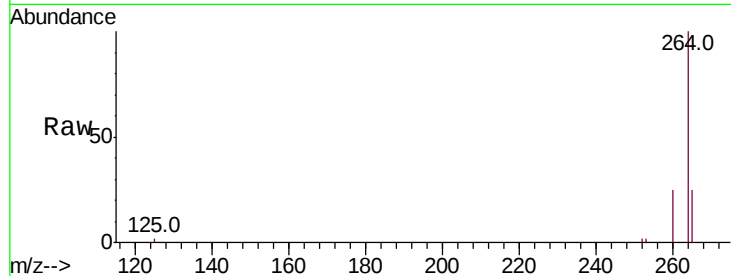
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.95 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BE099700.D
Acq: 21 May 2019 21:45

Instrument :
BNA_E
ClientSampleId :
FESB-2(14.5-15)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.6	29.4
265	24.8	19.1	28.7

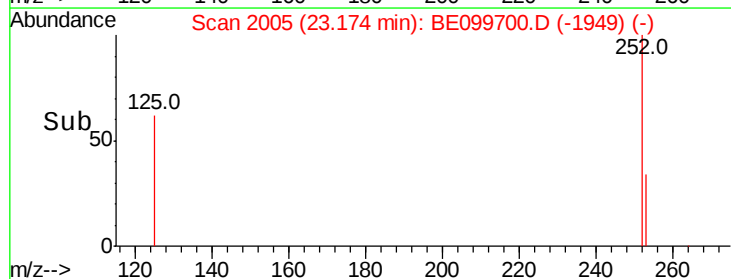
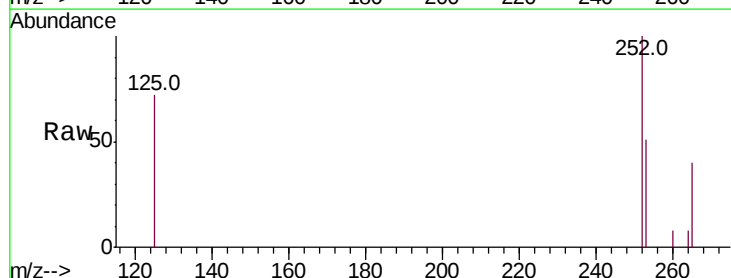
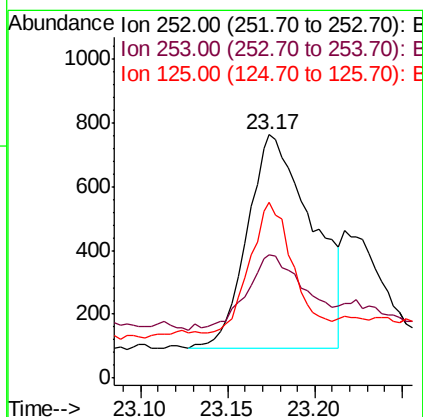
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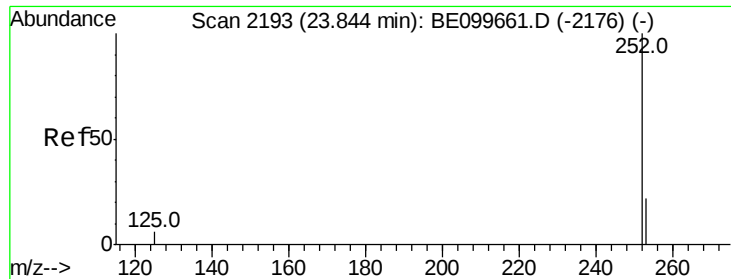
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#35
Benzo(b)fluoranthene
Concen: 0.034 ng
RT: 23.17 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BE099700.D
Acq: 21 May 2019 21:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	50.7	18.2	27.4#
125	72.0	4.5	6.7#





#37

Benzo(a)pyrene

Concen: 0.025 ng

RT: 23.84 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BE099700.D

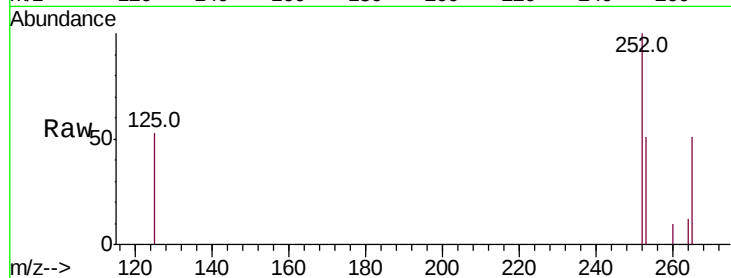
Acq: 21 May 2019 21:45

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)



Tot Ion	Ratio	Lower	Upper
252	100		
253	50.6	18.9	28.3#
125	53.3	5.4	8.0#

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