

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052119\
 Data File : BE099698.D
 Acq On : 21 May 2019 20:34
 Operator : JU/SJ
 Sample : K2906-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-10(8-8.5)

Manual Integrations
 APPROVED

mohammad
 5/23/2019 8:42:30 AM

Quant Time: May 28 02:46:53 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	1522	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5181	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	3629	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10584	0.40	ng	0.00
27) Chrysene-d12	21.41	240	15845	0.40	ng	0.00
34) Perylene-d12	23.95	264	19747	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	1310	0.34	ng	0.00
5) Phenol-d6	6.97	99	1730	0.34	ng	0.00
8) Nitrobenzene-d5	8.98	82	1345	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	2853	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	670	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	4145	0.30	ng	0.00
25) Fluoranthene-d10	19.27	212	42577	0.29	ng	0.00
29) Terphenyl-d14	19.86	244	8976	0.32	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) Fluoranthene	19.29	202	2397	0.059	ng	# 97
28) Pyrene	19.66	202	2236	0.056	ng	# 96
30) Benzo(a)anthracene	21.40	228	1570	0.035	ng	# 82
32) Bis(2-ethylhexyl)phthalate	21.32	149	9273	0.179	ng	100
35) Benzo(b)fluoranthene	23.18	252	2426	0.045	ng	# 34
37) Benzo(a)pyrene	23.84	252	1568	0.030	ng	# 24
39) Benzo(g,h,i)perylene	27.48	276	1235m	0.022	ng	

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

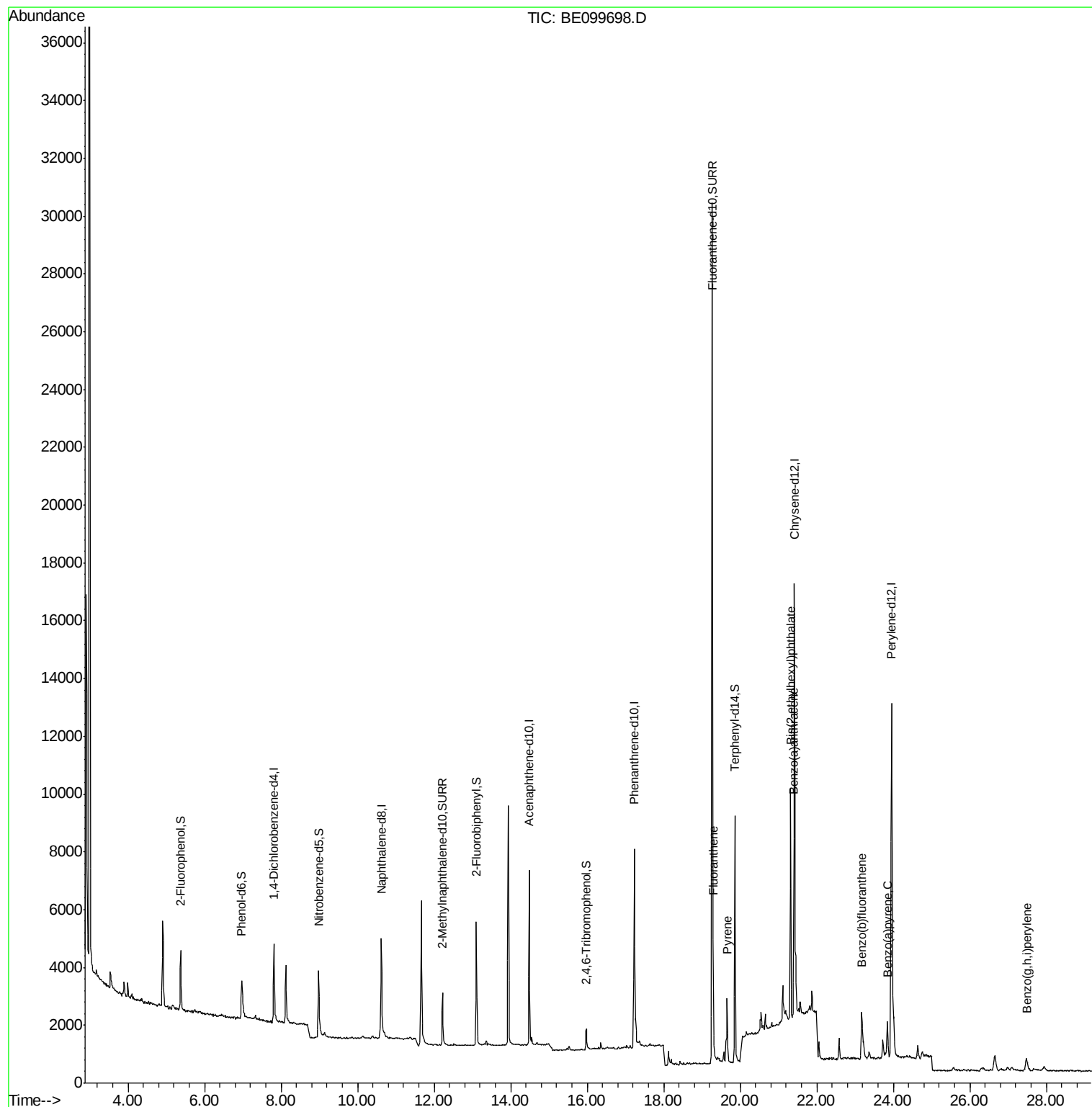
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052119\
Data File : BE099698.D
Acq On : 21 May 2019 20:34
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FESB-10(8-8.5)

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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: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

Tot Ion:152 Resp: 1522

Ion Ratio Lower Upper

152 100

150 146.9 109.2 163.8

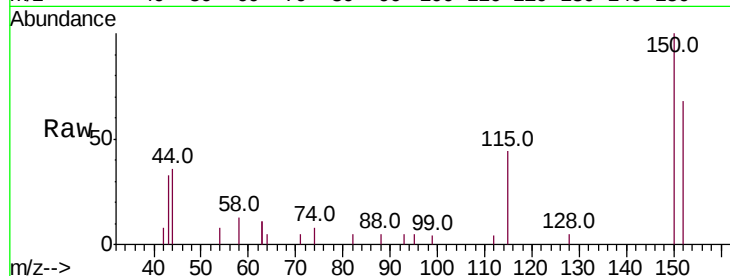
115 64.2 43.7 65.5

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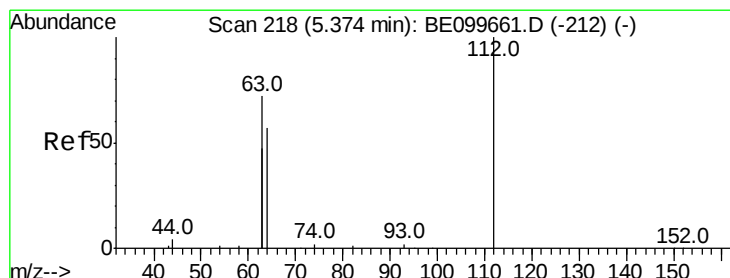
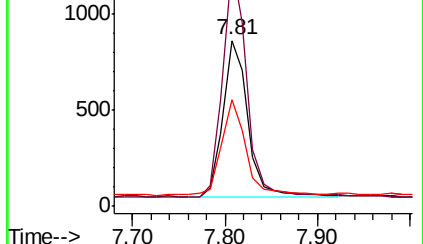
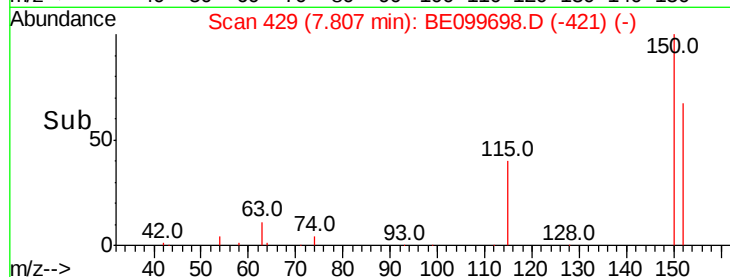
5/23/2019 8:42:30 AM



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: 0.341 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

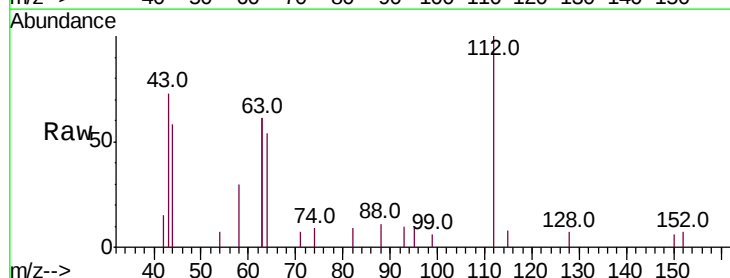
Tgt Ion:112 Resp: 1310

Ion Ratio Lower Upper

112 100

64 54.2 43.4 65.2

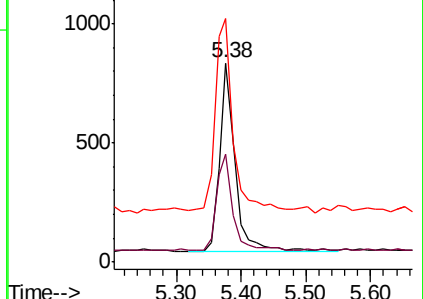
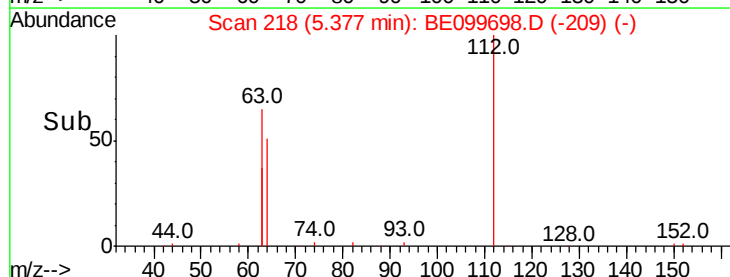
63 115.7 96.9 145.3

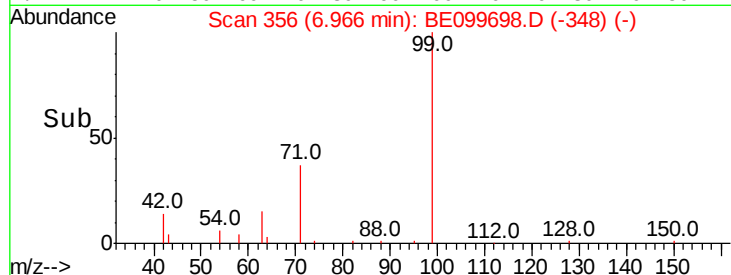
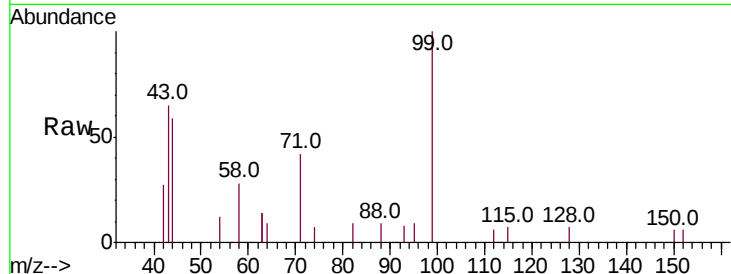
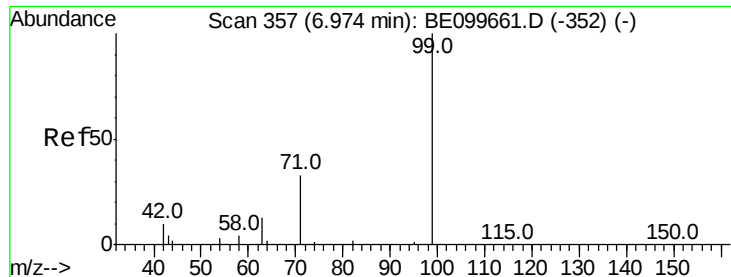


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.340 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

Tot Ion: 99 Resp: 1730

Ion Ratio Lower Upper

99 100

42 19.1 12.2 18.2#

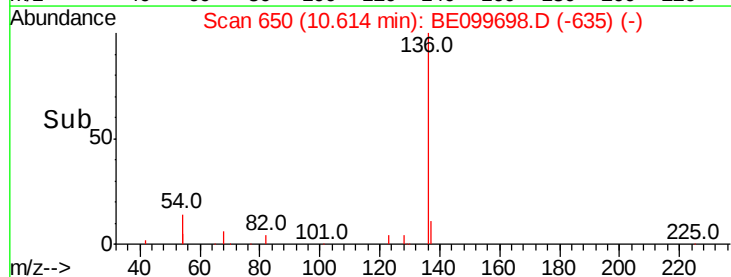
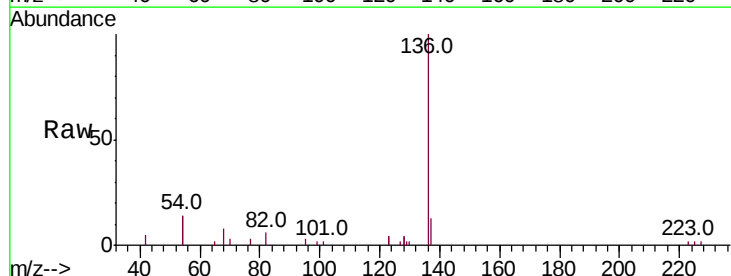
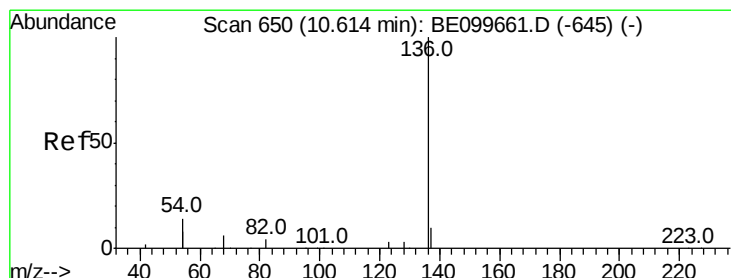
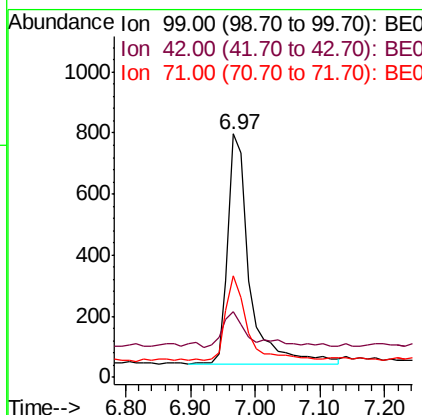
71 37.1 28.9 43.3

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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: BE099698.D

Acq: 21 May 2019 20:34

Tgt Ion: 136 Resp: 5181

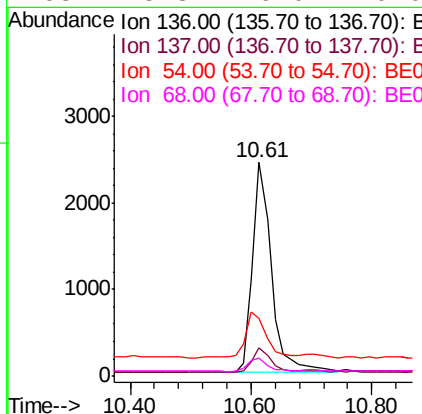
Ion Ratio Lower Upper

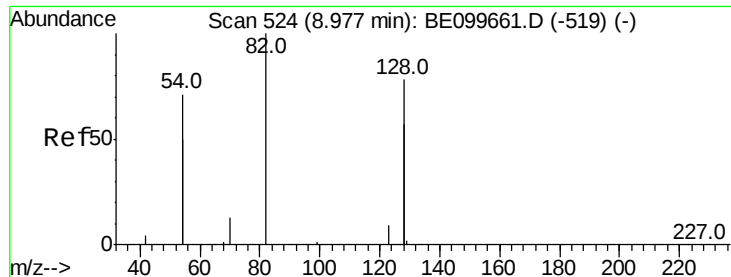
136 100

137 13.1 9.0 13.6

54 27.2 22.3 33.5

68 8.3 6.0 9.0





#8

Nitrobenzene-d5

Concen: 0.300 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

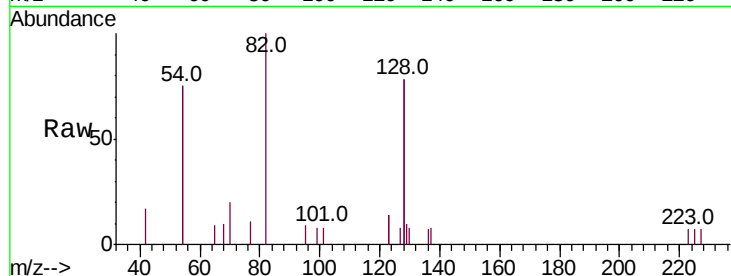
ClientSampled :

FESB-10(8-8.5)

Tot Ion	82	Resp	1345
Ion Ratio	Lower	Upper	
82	100		
128	155.4	117.7	176.5
54	149.9	106.6	160.0

Manual Integrations
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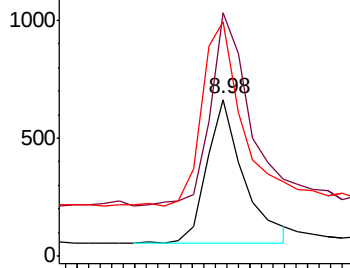
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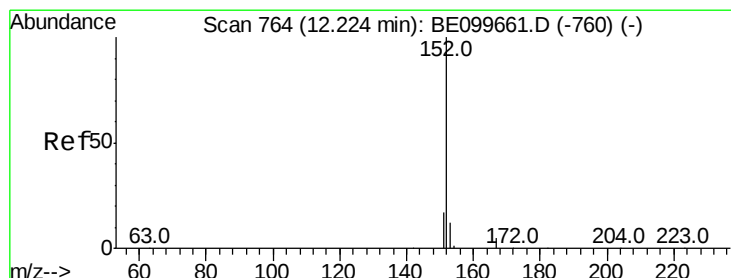
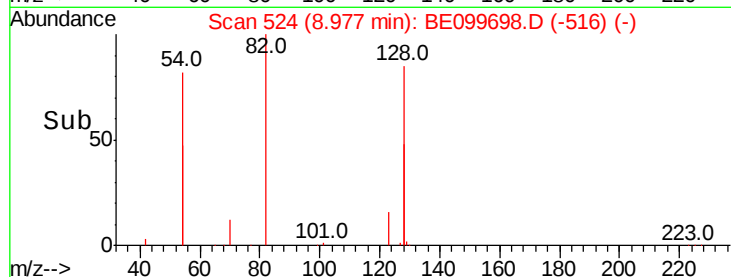
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.319 ng

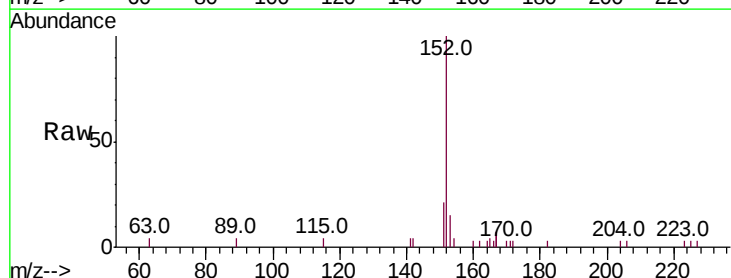
RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099698.D

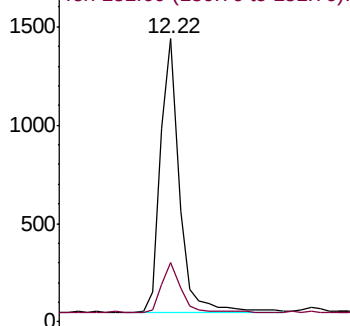
Acq: 21 May 2019 20:34

Tgt Ion	152	Resp	2853
Ion Ratio	Lower	Upper	
152	100		
151	18.4	15.0	22.4

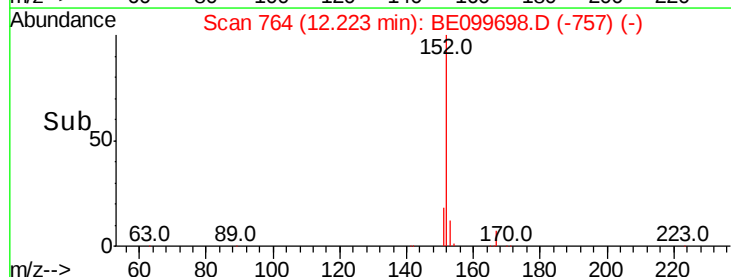


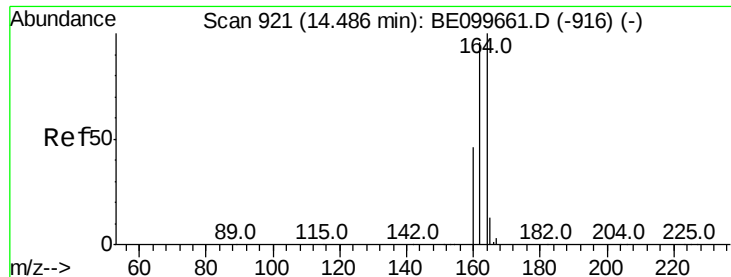
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->





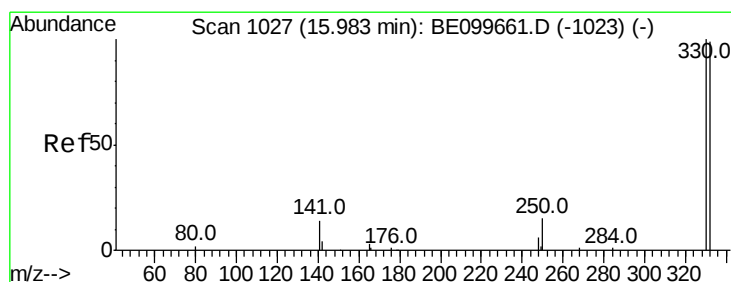
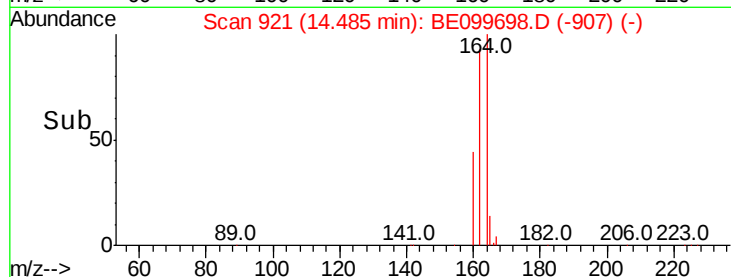
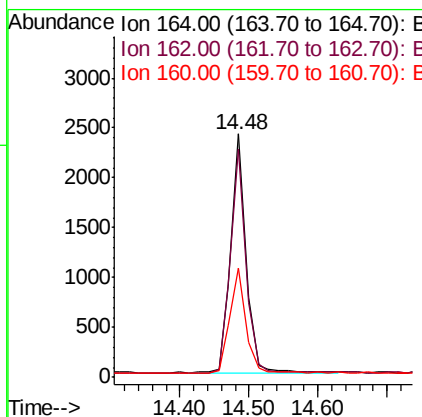
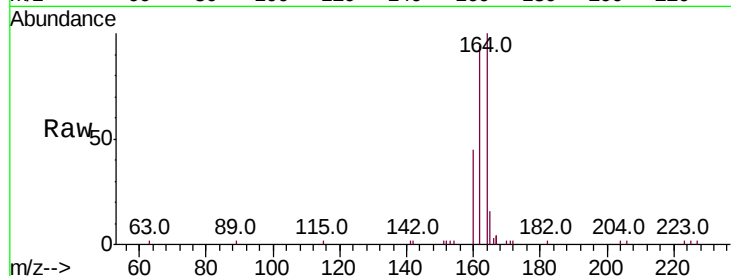
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099698.D
Acq: 21 May 2019 20:34

Instrument :
BNA_E
ClientSampleId :
FESB-10(8-8.5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	93.6	76.5	114.7
160	44.8	37.4	56.2

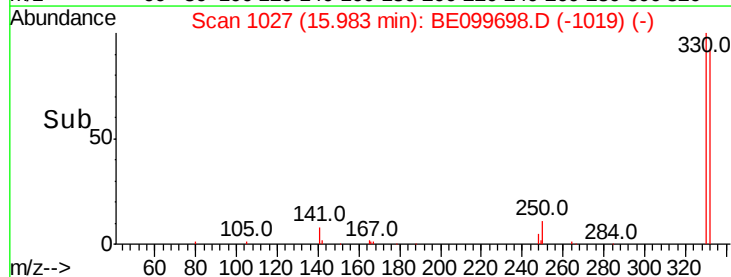
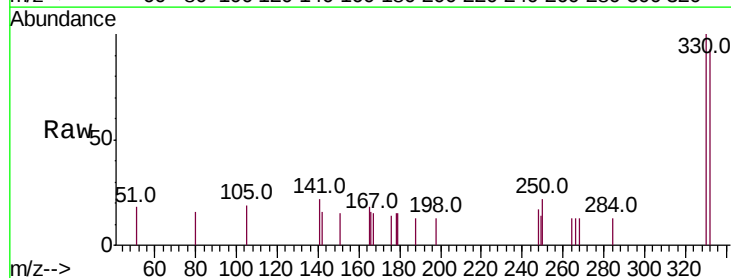
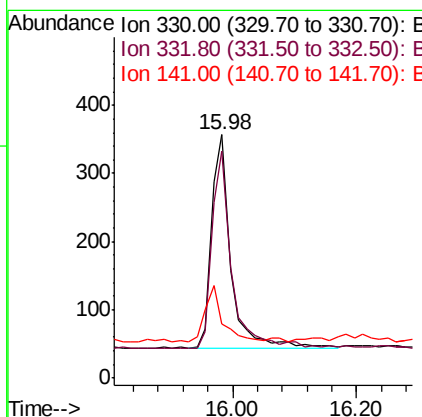
Manual Integrations
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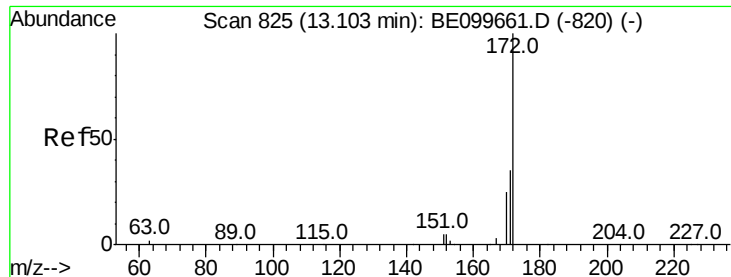
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#14
2,4,6-Tribromophenol
Concen: 0.375 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099698.D
Acq: 21 May 2019 20:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.3	115.9
141	25.7	18.9	28.3





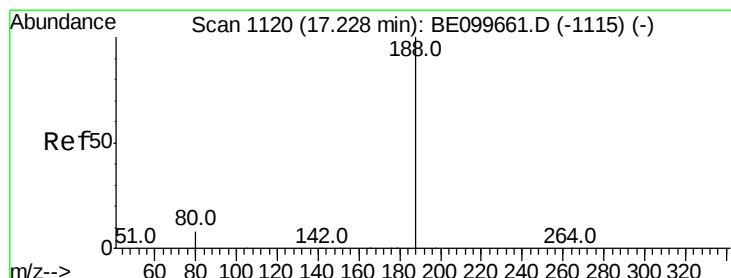
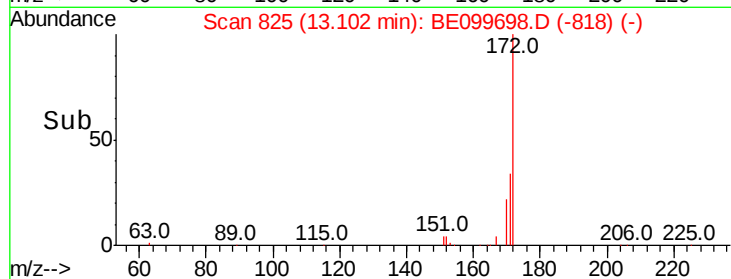
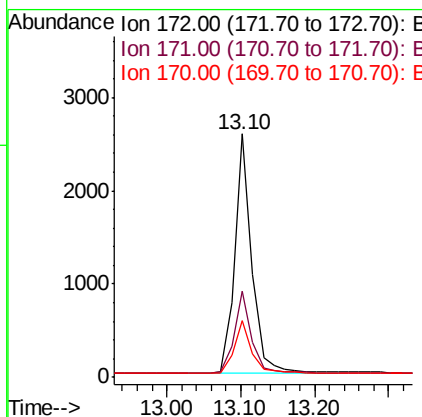
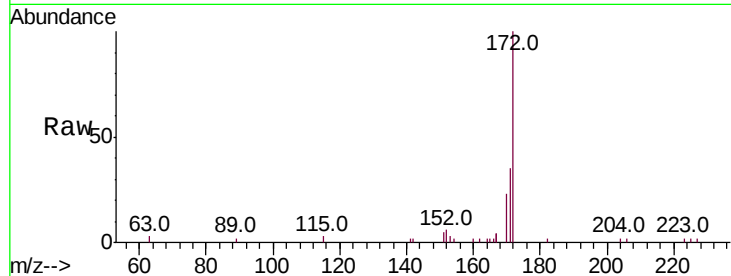
#15
2-Fluorobiphenyl
Concen: 0.301 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099698.D
Acq: 21 May 2019 20:34

Instrument :
BNA_E
ClientSampleId :
FESB-10(8-8.5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.7	43.1
170	23.5	20.9	31.3

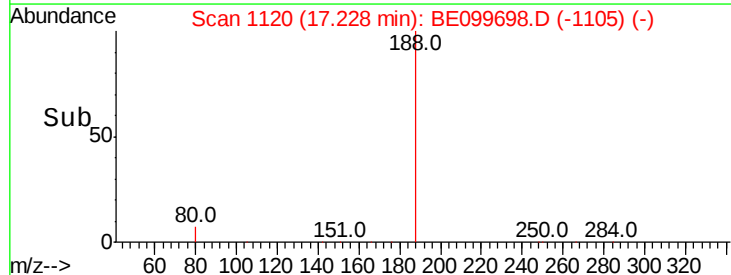
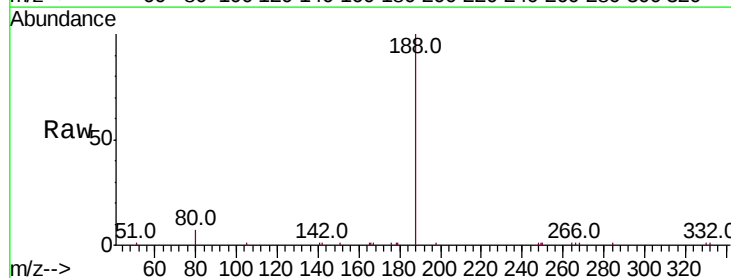
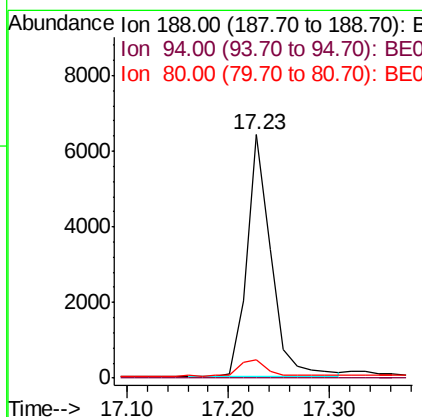
Manual Integrations
APPROVED

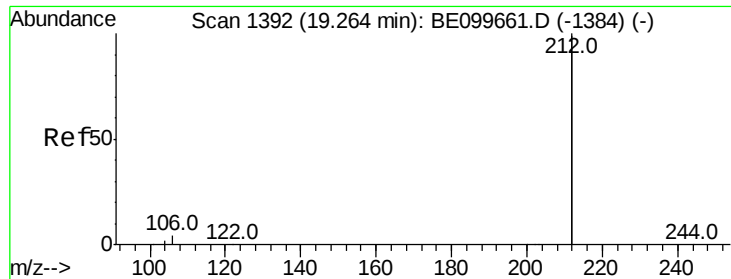
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099698.D
Acq: 21 May 2019 20:34

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





#25

Fluoranthene-d10

Concen: 0.294 ng

RT: 19.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

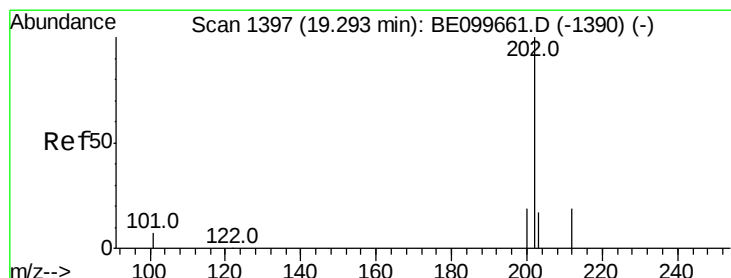
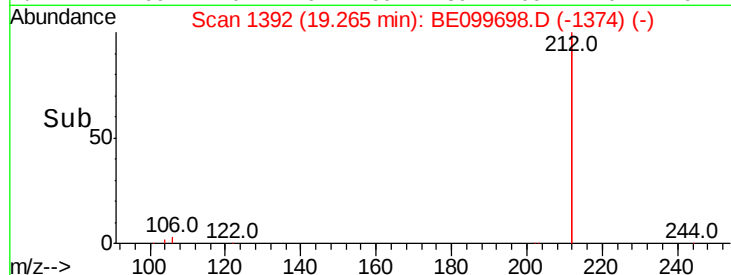
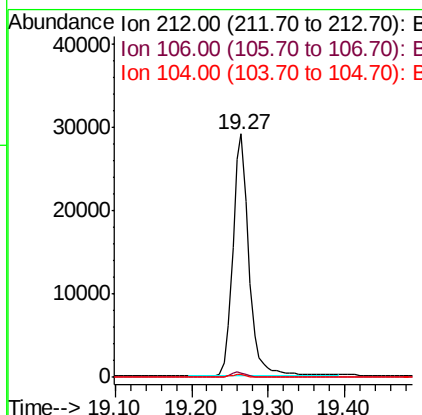
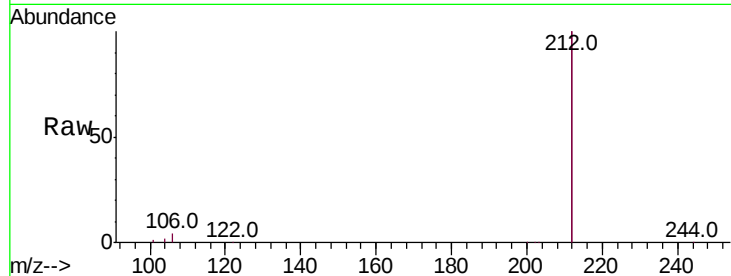
ClientSampleId :

FESB-10(8-8.5)

Tot Ion:	212	Resp:	42577
Ion Ratio	Lower	Upper	
212	100		
106	2.0	1.4	2.2
104	1.1	0.8	1.2

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#26

Fluoranthene

Concen: 0.059 ng

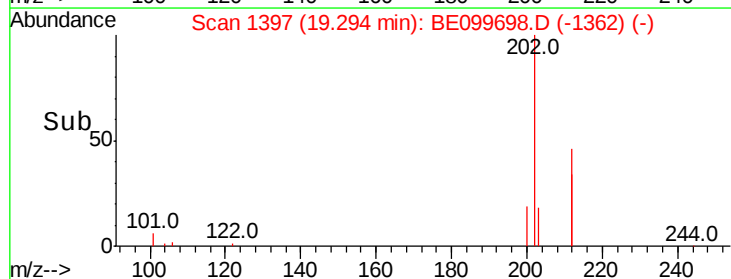
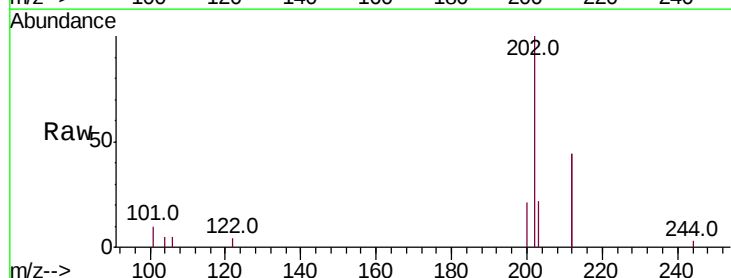
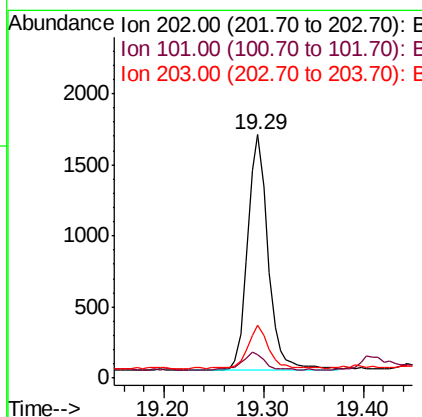
RT: 19.29 min Scan# 1397

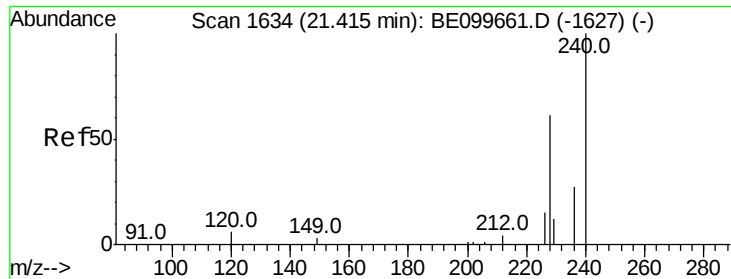
Delta R.T. 0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Tgt Ion:	202	Resp:	2397
Ion Ratio	Lower	Upper	
202	100		
101	9.4	5.2	7.8#
203	17.3	13.8	20.6





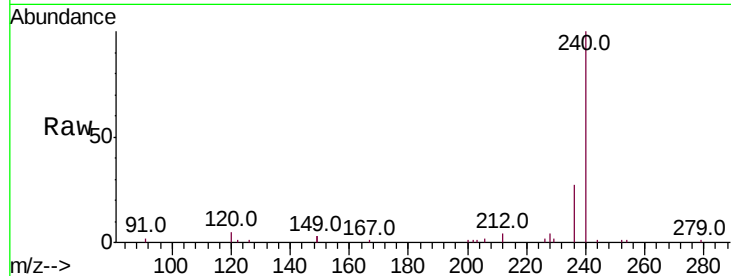
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099698.D
Acq: 21 May 2019 20:34

Instrument :
BNA_E
ClientSampleId :
FESB-10(8-8.5)

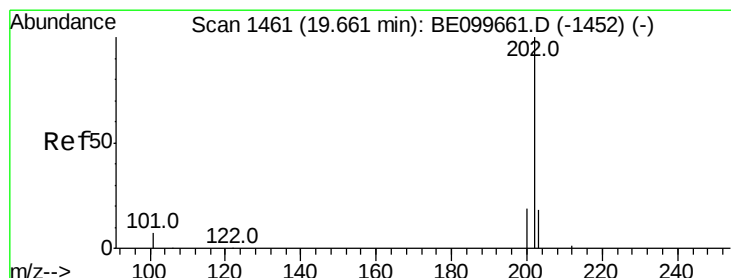
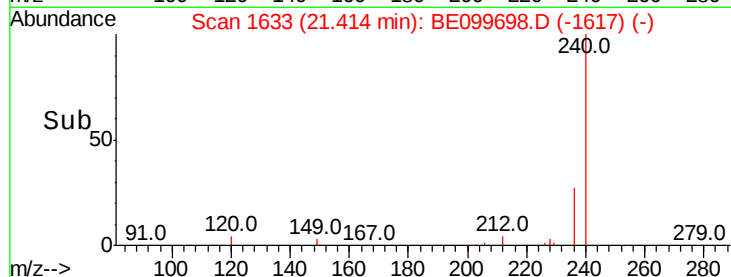
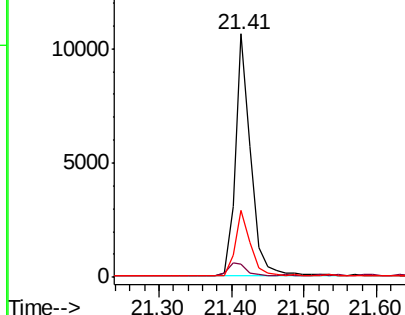
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.3	5.4	8.0#
236	27.4	21.7	32.5

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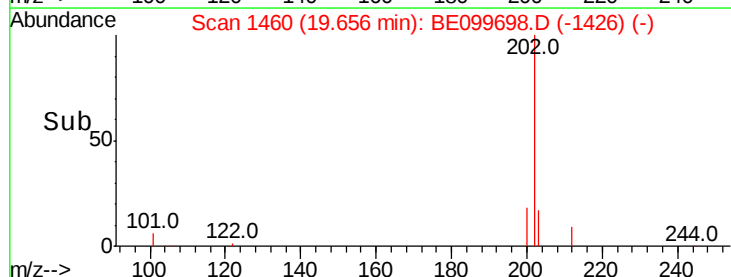
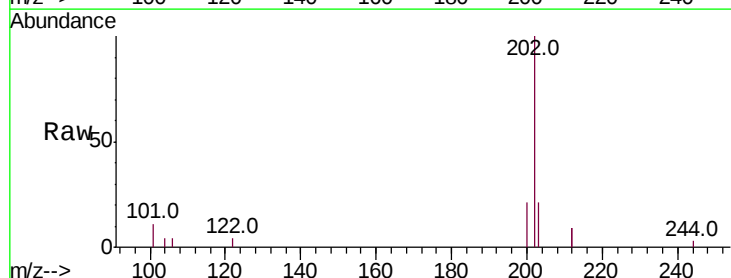
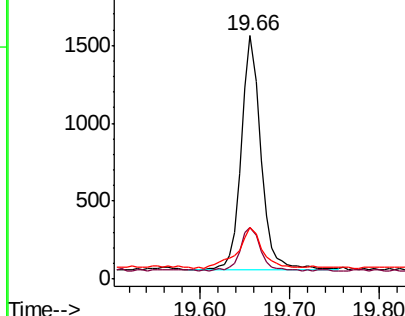
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

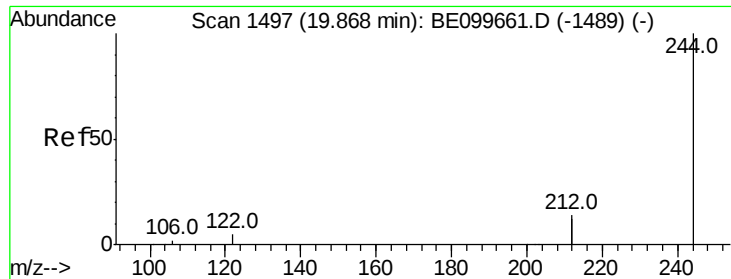


#28
Pyrene
Concen: 0.056 ng
RT: 19.66 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BE099698.D
Acq: 21 May 2019 20:34

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

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: 0.317 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

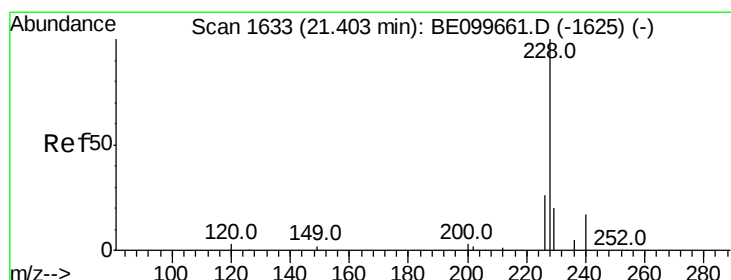
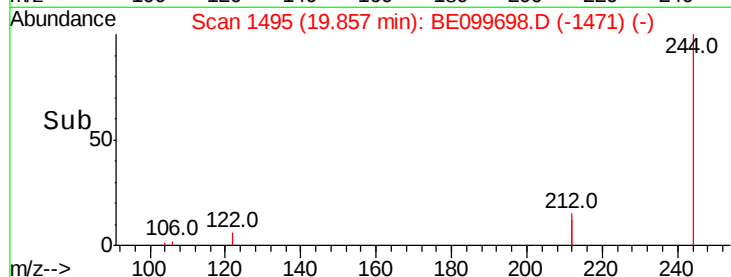
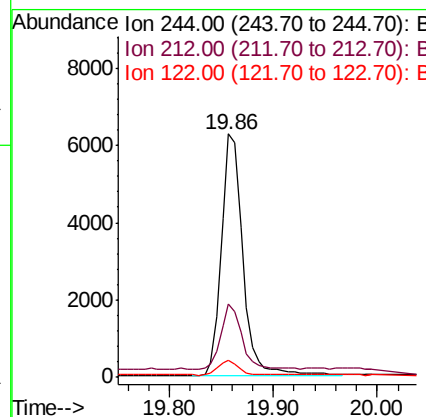
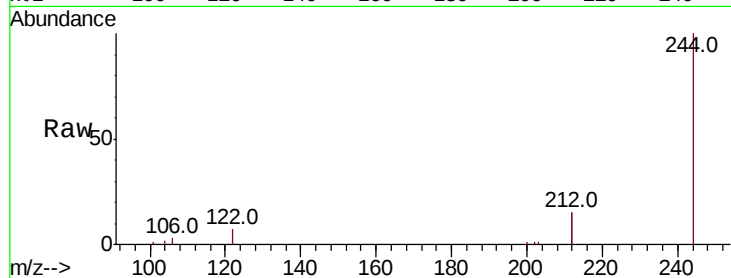
ClientSampleId :

FESB-10(8-8.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	30.2	22.5	33.7
122	7.1	4.3	6.5

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#30

Benzo(a)anthracene

Concen: 0.035 ng

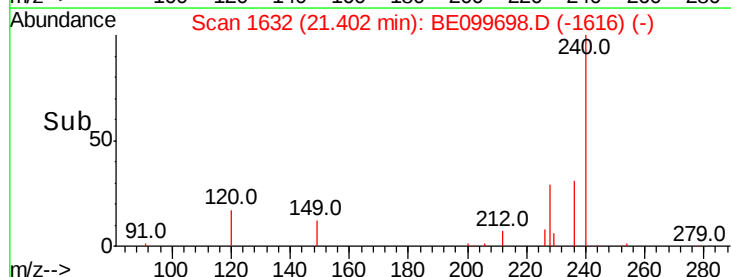
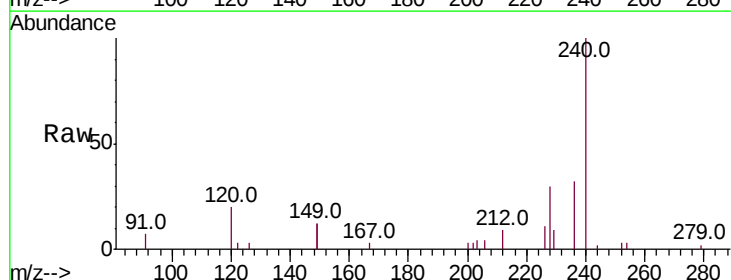
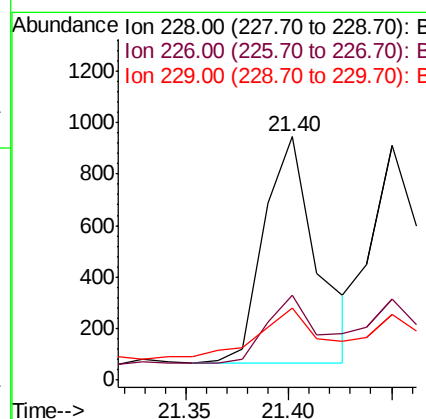
RT: 21.40 min Scan# 1632

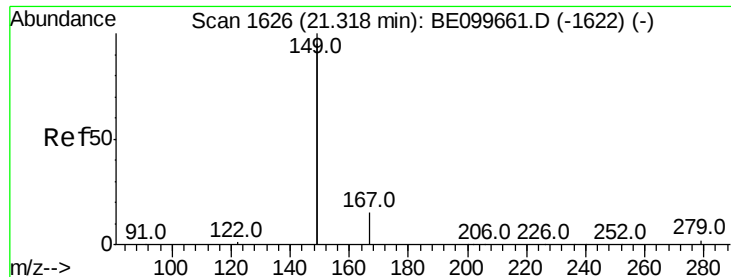
Delta R.T. -0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.9	21.3	31.9
229	29.4	16.1	24.1





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.179 ng

RT: 21.32 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

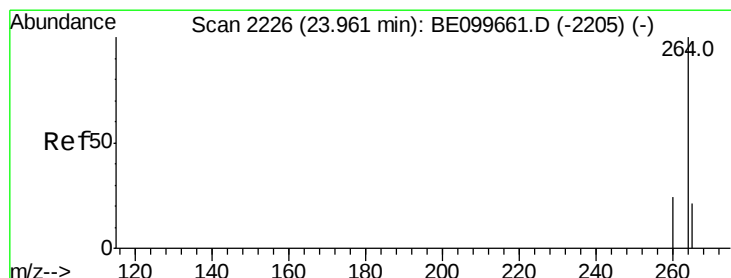
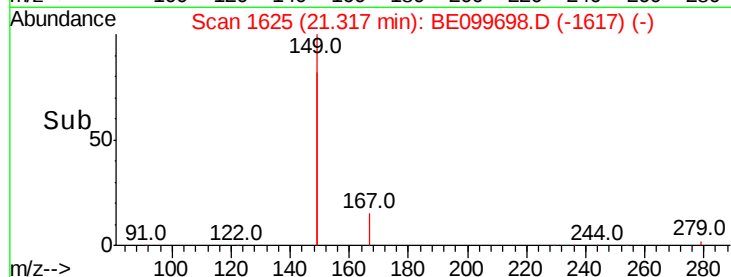
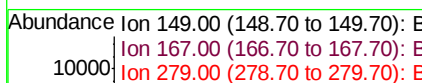
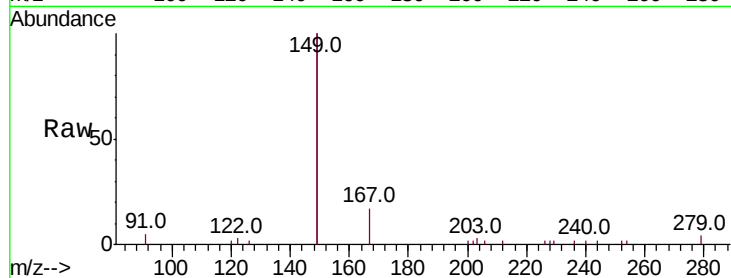
ClientSampleId :

FESB-10(8-8.5)

Tot Ion:	149	Resp:	9273
Ion Ratio	Lower	Upper	
149	100		
167	7.7	6.2	9.4
279	1.7	1.2	1.8

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#34

Perylene-d12

Concen: 0.400 ng

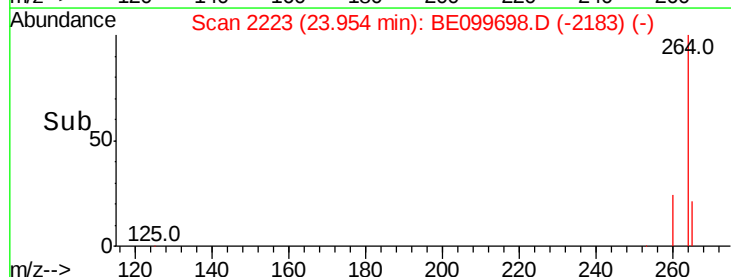
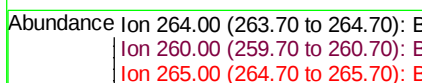
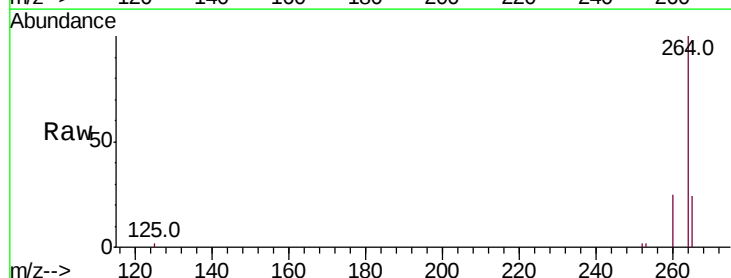
RT: 23.95 min Scan# 2223

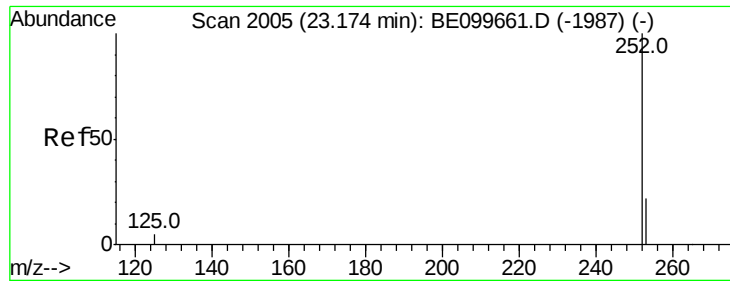
Delta R.T. -0.01 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Tgt Ion:	264	Resp:	19747
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.6	29.4
265	24.3	19.1	28.7





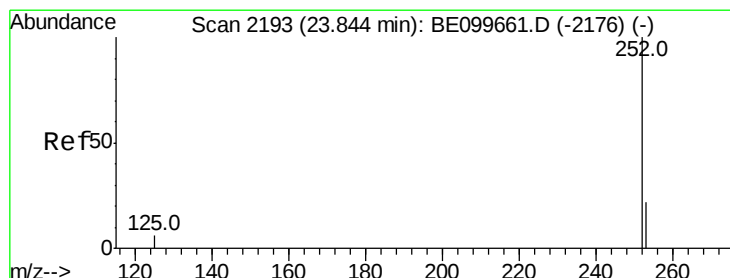
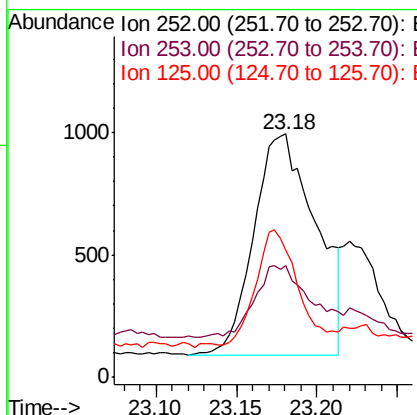
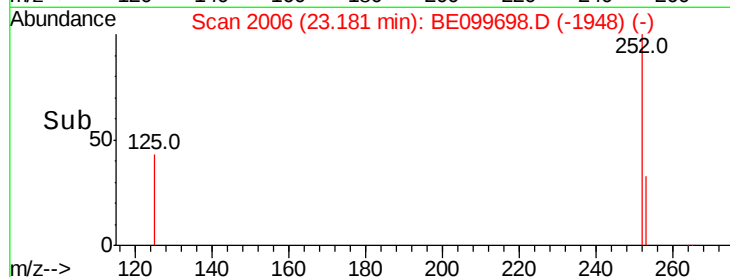
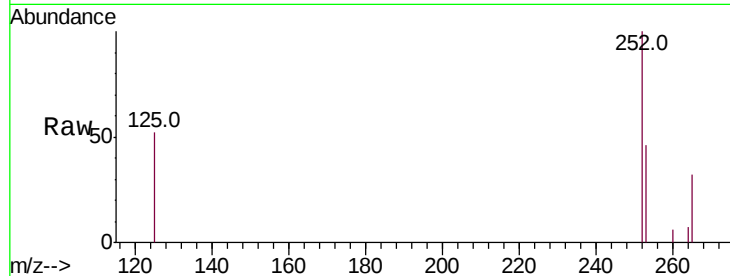
#35
Benzo(b)fluoranthene
Concen: 0.045 ng
RT: 23.18 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BE099698.D
Acq: 21 May 2019 20:34

Instrument :
BNA_E
ClientSampled :
FESB-10(8-8.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	45.7	18.2	27.4#
125	52.5	4.5	6.7#

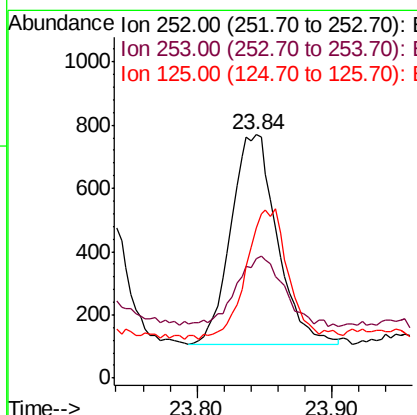
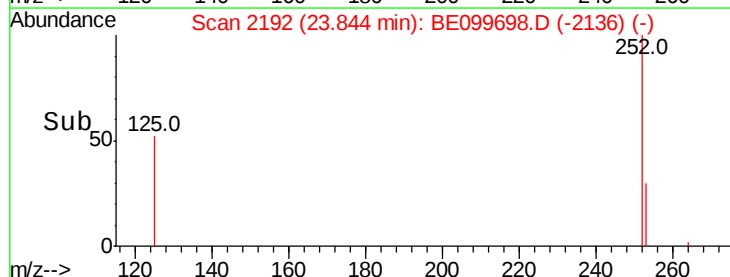
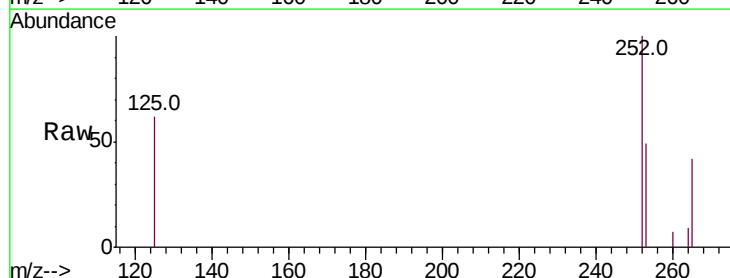
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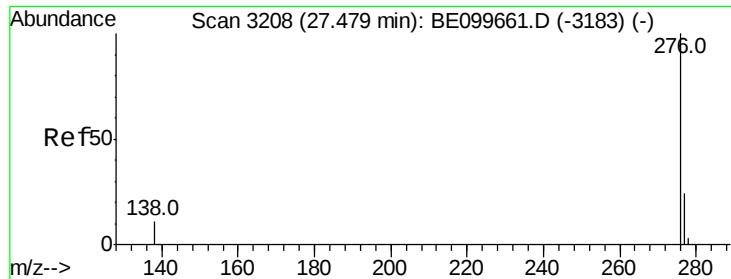
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#37
Benzo(a)pyrene
Concen: 0.030 ng
RT: 23.84 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BE099698.D
Acq: 21 May 2019 20:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	49.1	18.9	28.3#
125	61.9	5.4	8.0#





#39

Benzo(a,h,i)perylene

Concen: 0.022 ng/ml

RT: 27.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

Tot Ion:	276	Resp:	1235
Ion Ratio	Lower	Upper	
276	100		
277	34.3	19.8	29.6#
138	24.1	9.2	13.8#

Manual Integrations
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