

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032919\
 Data File : BE099262.D
 Acq On : 29 Mar 2019 19:38
 Operator : JU/SJ
 Sample : K1982-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW004-032519

Manual Integrations
 APPROVED

Sohil
 4/1/2019 5:45:14 PM

Quant Time: Mar 29 23:31:10 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Mar 26 07:02:06 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	3534	0.40	ng	-0.01
7) Naphthalene-d8	10.63	136	14221	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	10379	0.40	ng	-0.01
19) Phenanthrene-d10	17.20	188	32156	0.40	ng	-0.01
27) Chrysene-d12	21.38	240	41507	0.40	ng	-0.01
34) Perylene-d12	23.88	264	41745	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	4253	0.40	ng	0.00
5) Phenol-d6	6.99	99	6119	0.38	ng	0.00
8) Nitrobenzene-d5	8.98	82	4925	0.42	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	9865	0.36	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	2181	0.60	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	14034	0.33	ng	0.00
25) Fluoranthene-d10	19.24	212	141732	0.36	ng	0.00
29) Terphenyl-d14	19.83	244	24305	0.27	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.67	128	6573	0.039	ng	# 96
12) 2-Methylnaphthalene	12.30	142	883	0.029	ng	# 87
16) Acenaphthylene	14.20	152	2591	0.049	ng	96
17) Acenaphthene	14.53	154	733	0.023	ng	88
18) Fluorene	15.50	166	1929	0.043	ng	# 90
23) Phenanthrene	17.24	178	65227	0.691	ng	100
24) Anthracene	17.34	178	6105	0.072	ng	# 89
26) Fluoranthene	19.26	202	193436	1.605	ng	99
28) Pyrene	19.63	202	181662	1.317	ng	# 96
30) Benzo(a)anthracene	21.35	228	101960	0.744	ng	97
31) Chrysene	21.41	228	133759	0.914	ng	97
32) Bis(2-ethylhexyl)phthalate	21.28	149	183307	1.122	ng	100
33) Indeno(1,2,3-cd)pyrene	26.53	276	69231	0.500	ng	# 96
35) Benzo(b)fluoranthene	23.11	252	154129	1.122	ng	# 94
36) Benzo(k)fluoranthene	23.16	252	62123m	0.428	ng	
37) Benzo(a)pyrene	23.77	252	98389	0.767	ng	97
38) Dibenzo(a,h)anthracene	26.55	278	17627	0.155	ng	# 84
39) Benzo(g,h,i)perylene	27.36	276	69555	0.609	ng	98

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

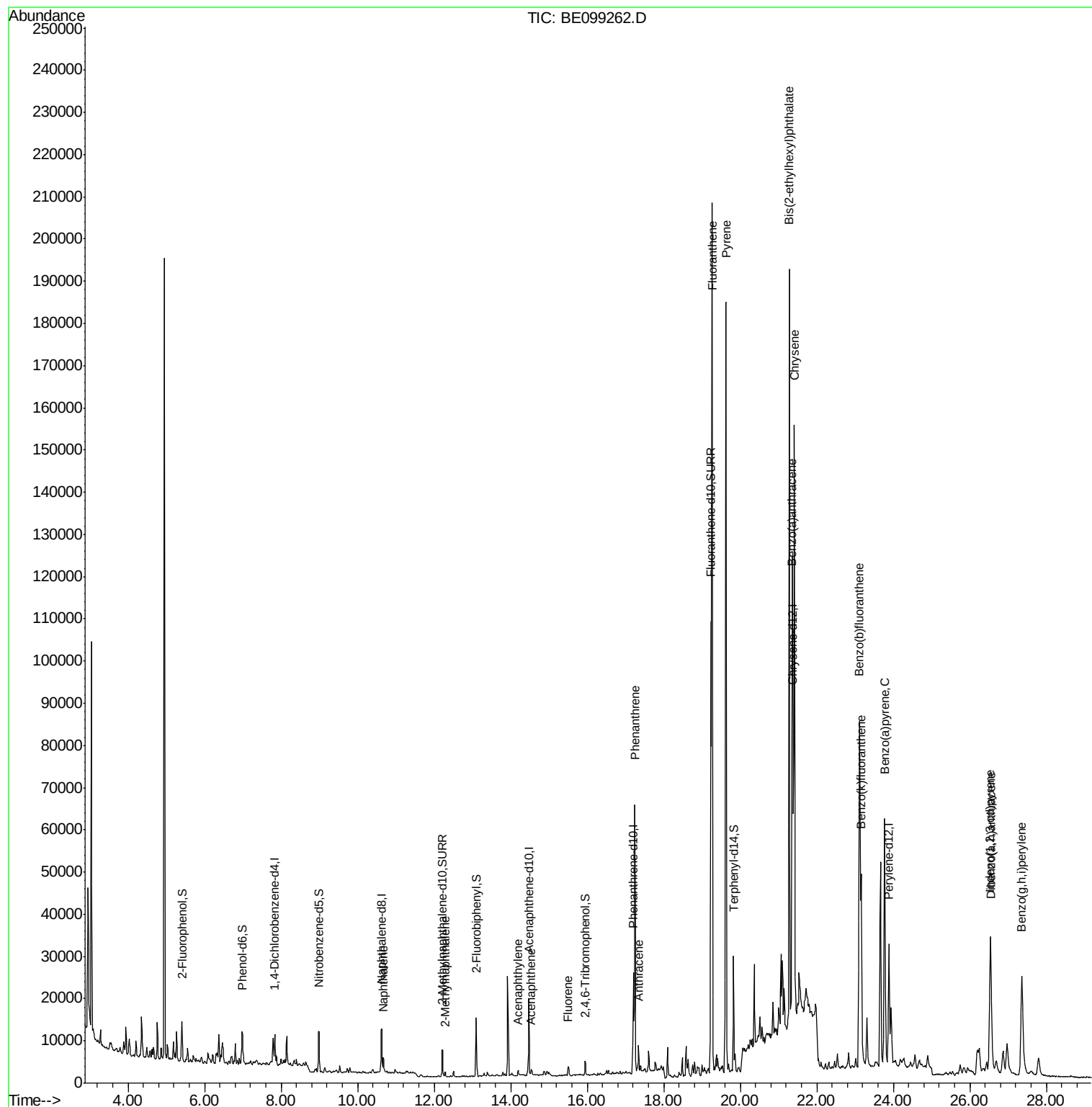
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032919\
Data File : BE099262.D
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Operator : JU/SJ
Sample : K1982-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

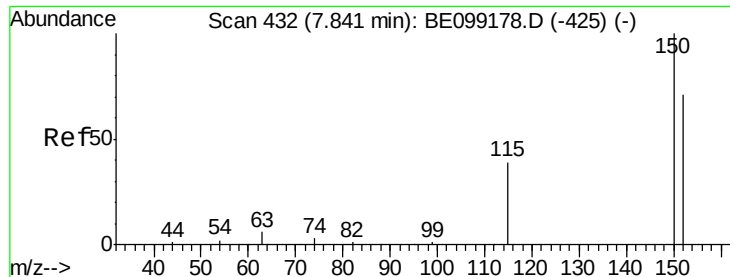
Instrument :
BNA_E
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EXT-028-SW004-032519

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.83 min Scan# 431

Delta R.T. -0.01 min

Lab File: BE099262.D

Acq: 29 Mar 2019 19:38

Instrument :

BNA_E

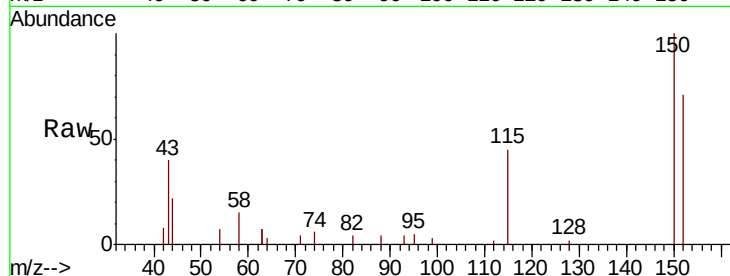
ClientSampleId :

EXT-028-SW004-032519

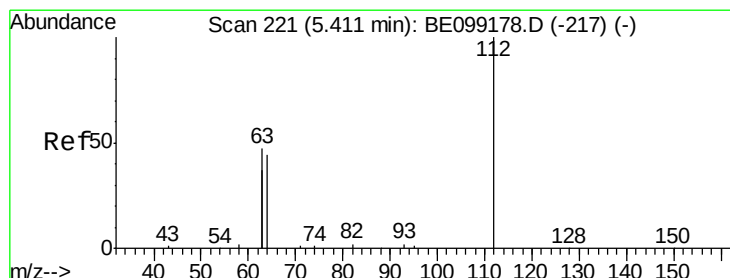
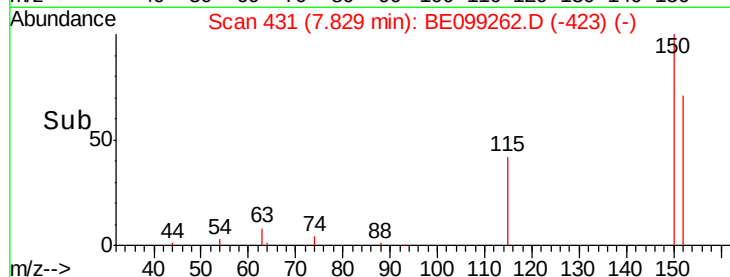
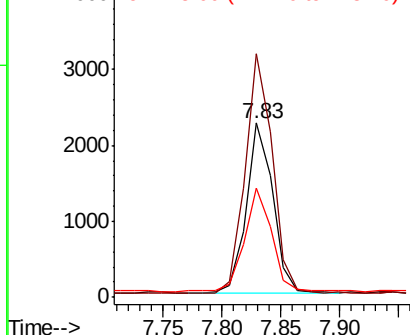
Tgt Ion:	152	Resp:	3534
Ion Ratio	Lower	Upper	
152	100		
150	139.9	112.8	169.2
115	62.6	45.1	67.7

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.403 ng

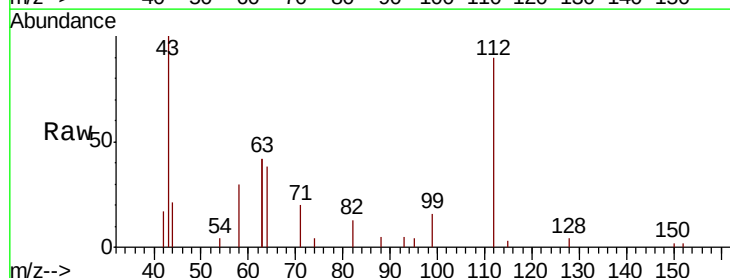
RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

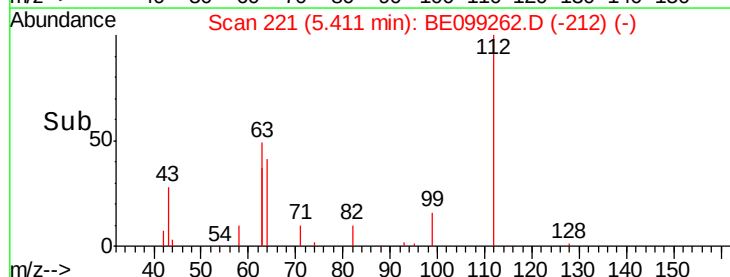
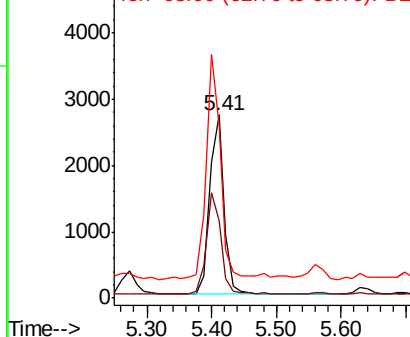
Lab File: BE099262.D

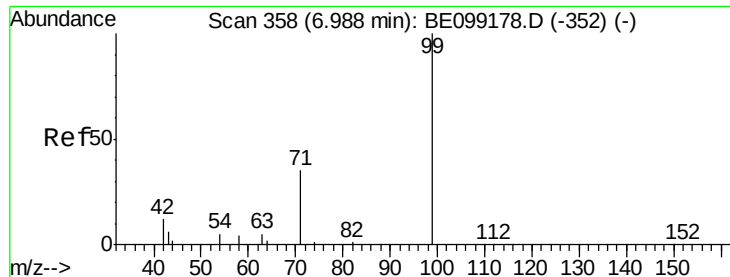
Acq: 29 Mar 2019 19:38

Tgt Ion:	112	Resp:	4253
Ion Ratio	Lower	Upper	
112	100		
64	56.9	46.2	69.2
63	117.8	89.9	134.9



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: 0.380 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099262.D

Acq: 29 Mar 2019 19:38

Instrument :

BNA_E

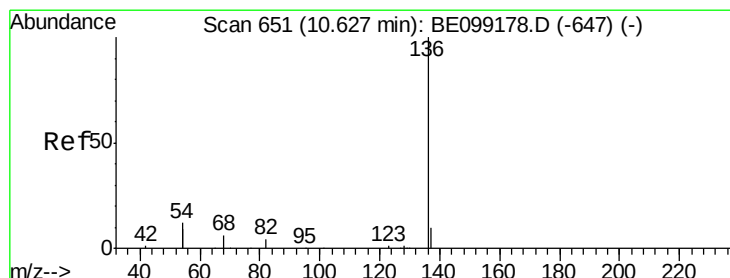
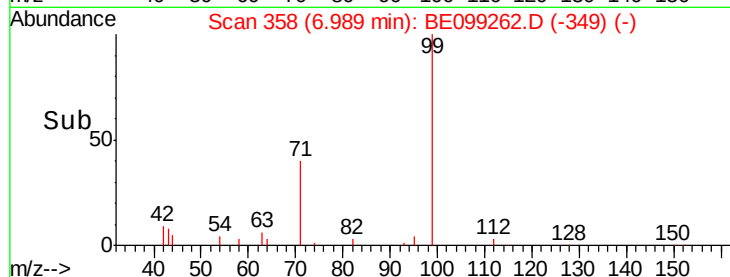
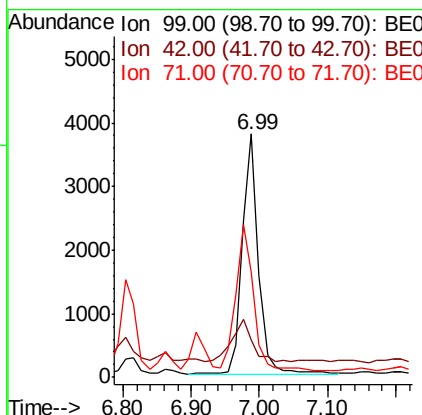
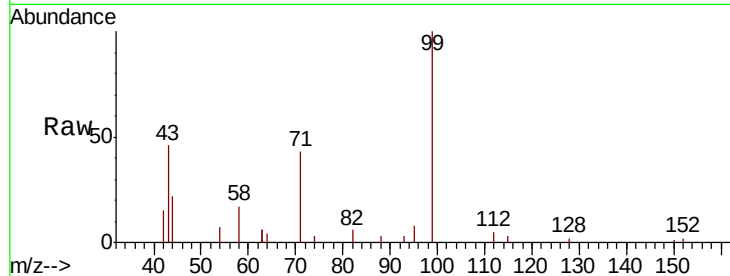
ClientSampleId :

EXT-028-SW004-032519

Tgt Ion:	99	Resp:	6119
Ion	Ratio	Lower	Upper
99	100		
42	22.8	12.4	18.6#
71	68.9	28.4	42.6#

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#7

Naphthalene-d8

Concen: 0.400 ng

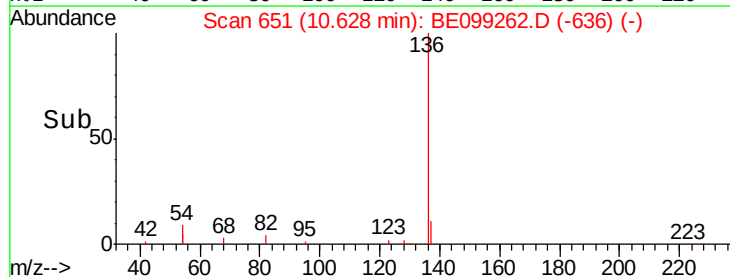
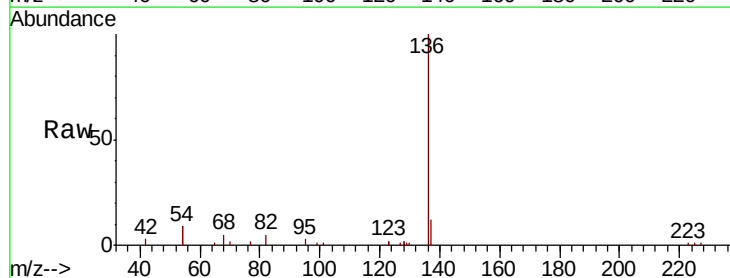
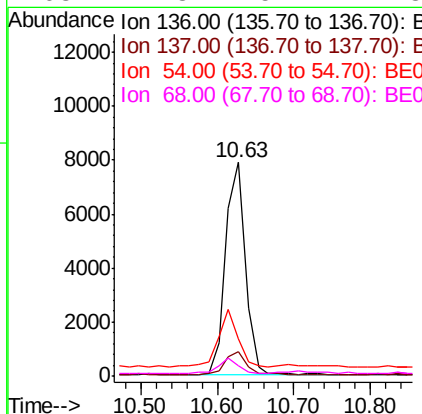
RT: 10.63 min Scan# 651

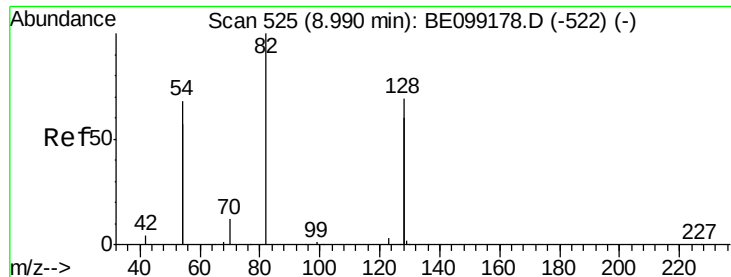
Delta R.T. 0.00 min

Lab File: BE099262.D

Acq: 29 Mar 2019 19:38

Tgt Ion:	136	Resp:	14221
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.7	13.1
54	17.2	18.7	28.1#
68	4.8	5.2	7.8#





#8

Nitrobenzene-d5

Concen: 0.424 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.01 min

Lab File: BE099262.D

Acq: 29 Mar 2019 19:38

Instrument :

BNA_E

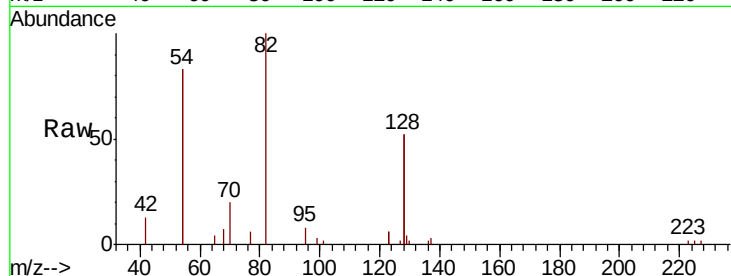
ClientSampleId :

EXT-028-SW004-032519

Tgt Ion:	82	Resp:	4925
Ion Ratio	Lower	Upper	
82	100		
128	104.2	107.5	161.3#
54	165.6	106.3	159.5#

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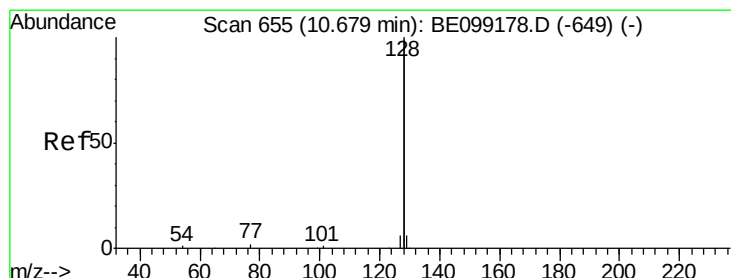
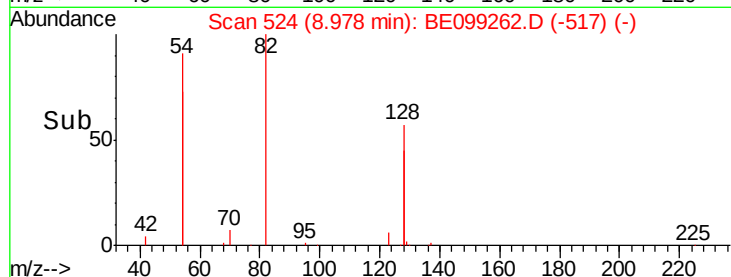
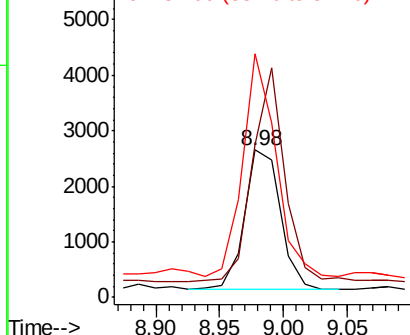


Abundance

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



#9

Naphthalene

Concen: 0.039 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.01 min

Lab File: BE099262.D

Acq: 29 Mar 2019 19:38

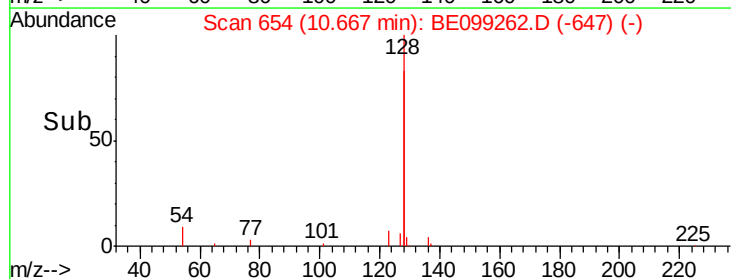
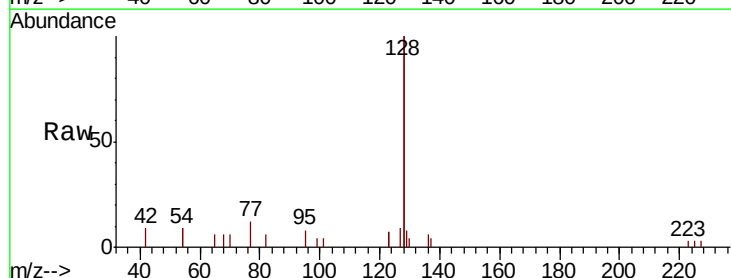
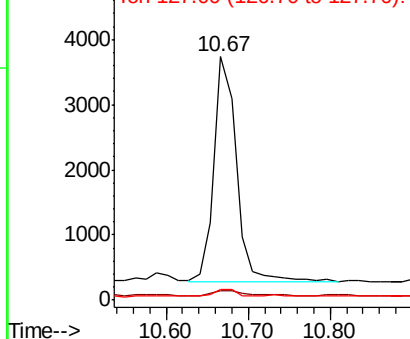
Tgt Ion:	128	Resp:	6573
Ion Ratio	Lower	Upper	
128	100		
129	3.9	2.3	3.5#
127	4.6	2.6	3.8#

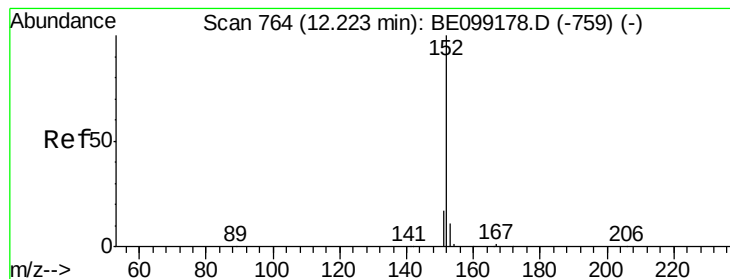
Abundance

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





#11

2-Methylnaphthalene-d10

Concen: 0.360 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099262.D

Acq: 29 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW004-032519

Tgt Ion:152 Resp: 9865

Ion Ratio Lower Upper

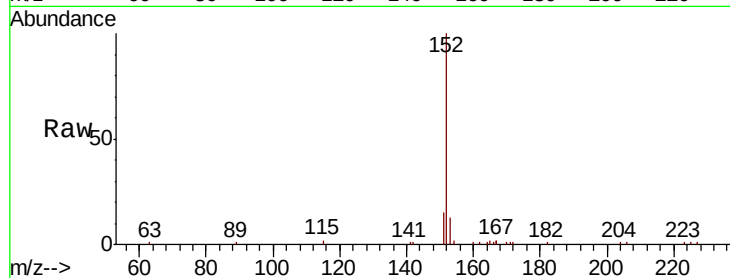
152 100

151 18.6 15.0 22.6

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

6000

5000

4000

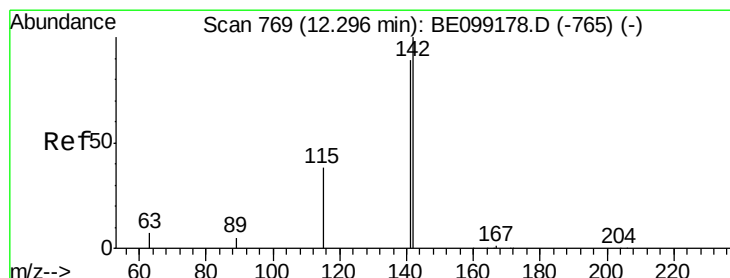
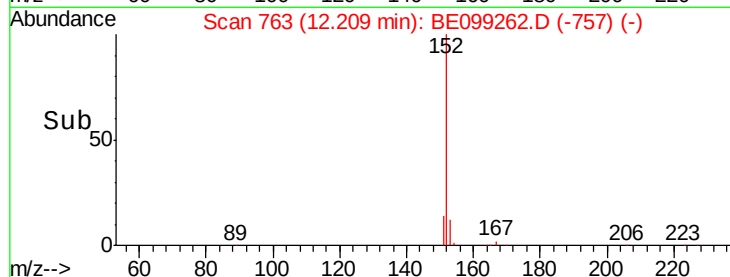
3000

2000

1000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.029 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099262.D

Acq: 29 Mar 2019 19:38

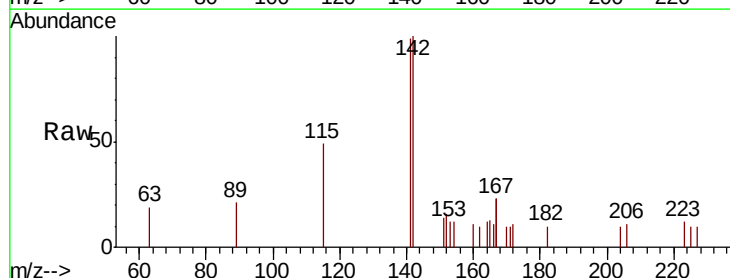
Tgt Ion:142 Resp: 883

Ion Ratio Lower Upper

142 100

141 99.0 71.3 106.9

115 49.0 30.4 45.6#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

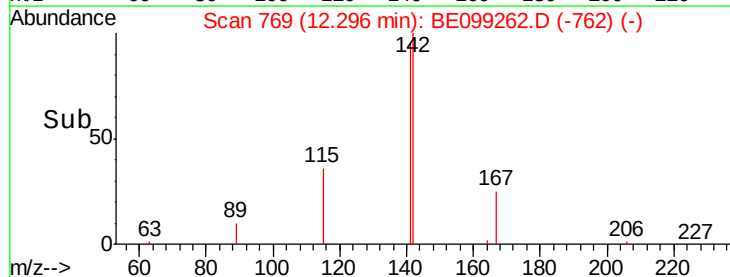
600

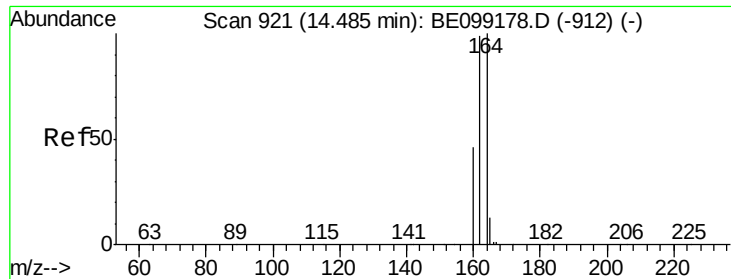
400

200

0

Time-->





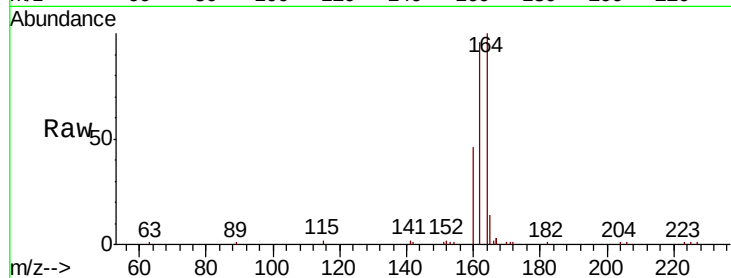
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.01 min
Lab File: BE099262.D
Acq: 29 Mar 2019 19:38

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW004-032519

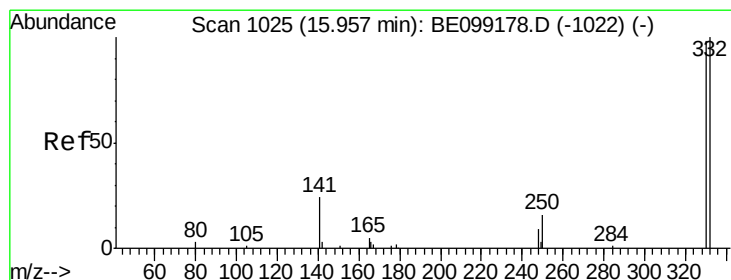
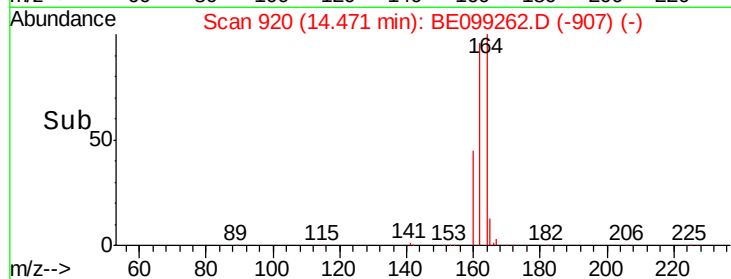
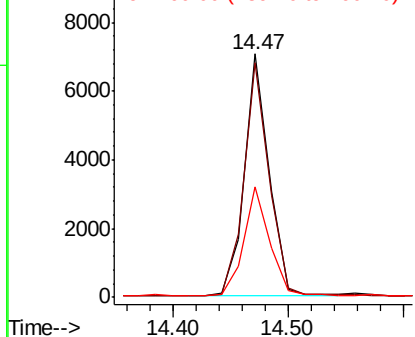
Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.2	79.2	118.8
160	45.6	36.7	55.1

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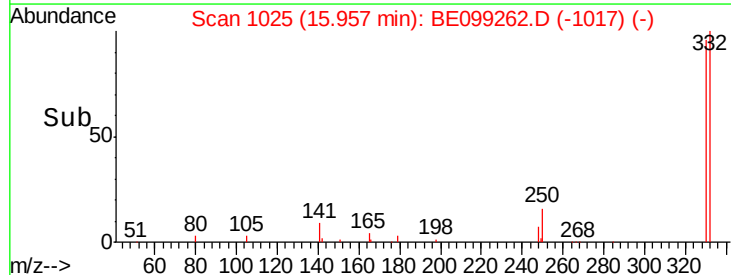
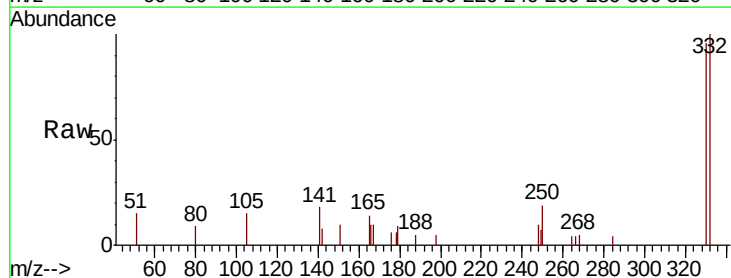
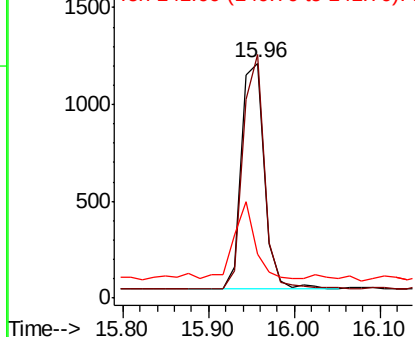
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

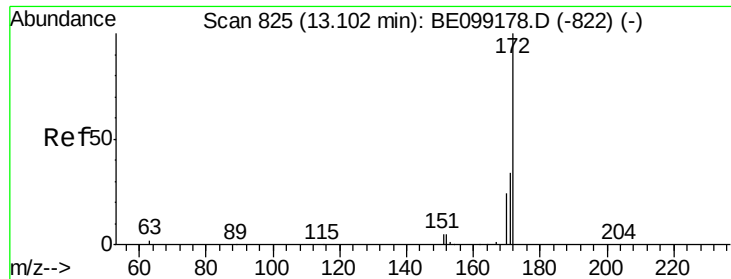


#14
2,4,6-Tribromophenol
Concen: 0.596 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099262.D
Acq: 29 Mar 2019 19:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	71.3	106.9
141	30.6	21.7	32.5

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





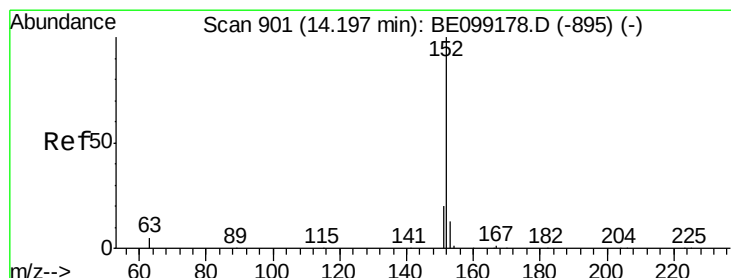
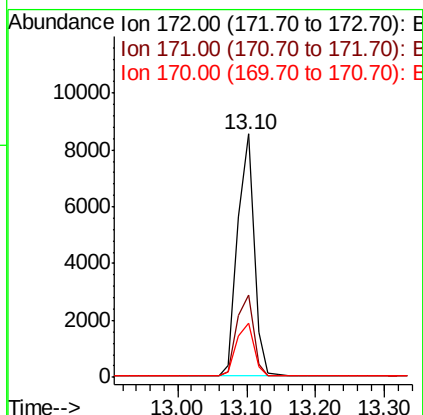
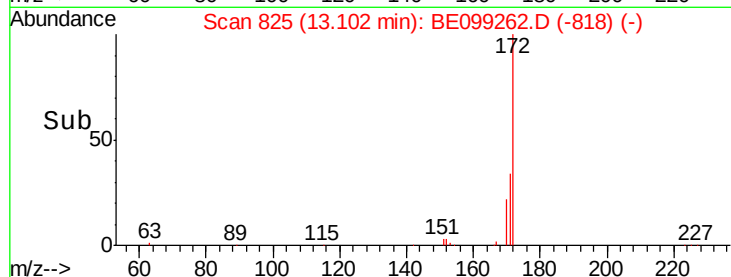
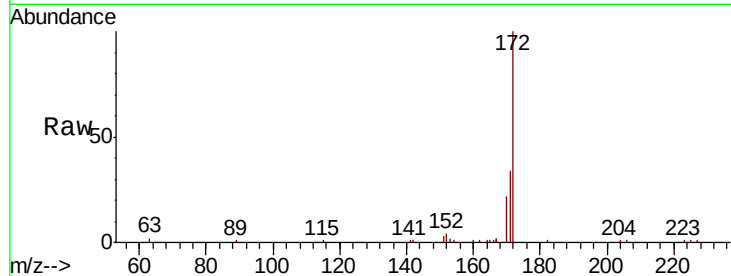
#15
2-Fluorobiphenyl
Concen: 0.332 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099262.D
Acq: 29 Mar 2019 19:38

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW004-032519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.4	41.0
170	22.3	19.1	28.7

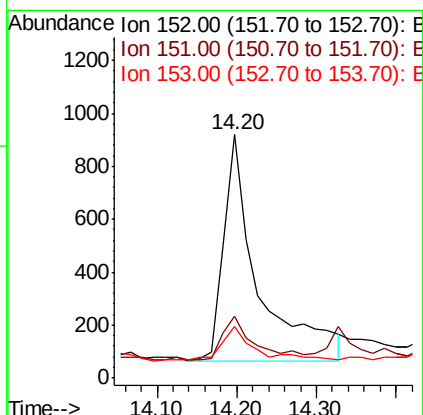
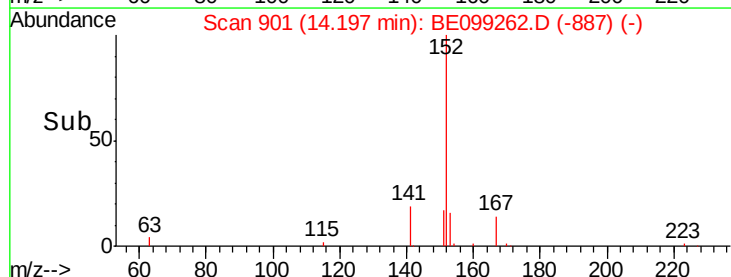
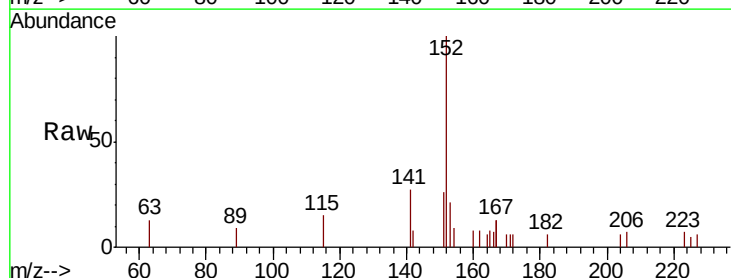
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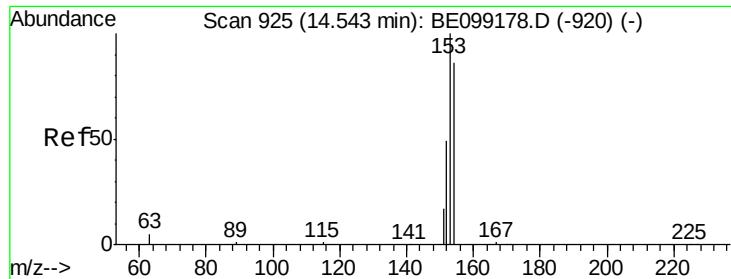
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#16
Acenaphthylene
Concen: 0.049 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099262.D
Acq: 29 Mar 2019 19:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	17.2	15.7	23.5
153	13.9	10.6	15.8





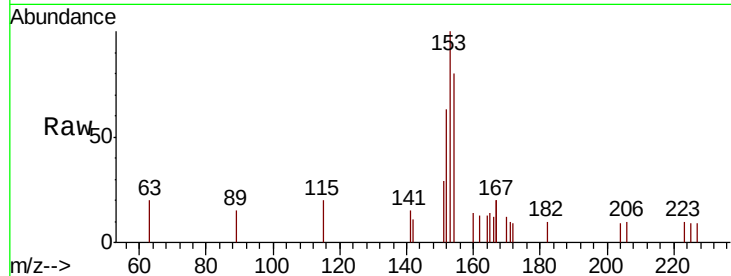
#17
Acenaphthene
Concen: 0.023 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE099262.D
Acq: 29 Mar 2019 19:38

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW004-032519

Tgt Ion	Ratio	Lower	Upper
154	100		
153	132.6	93.4	140.0
152	63.8	46.6	69.8

Manual Integrations
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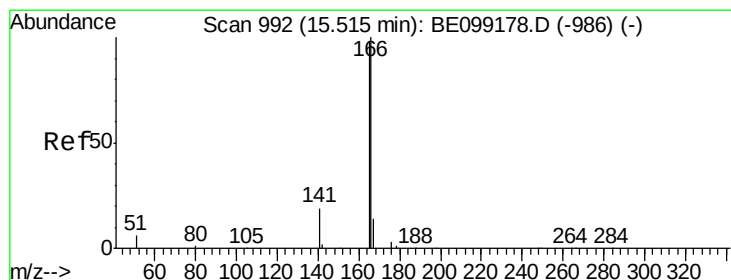
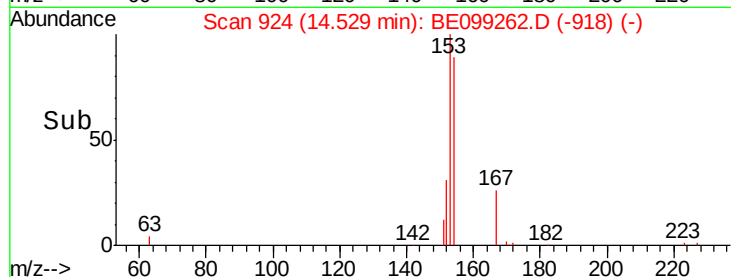
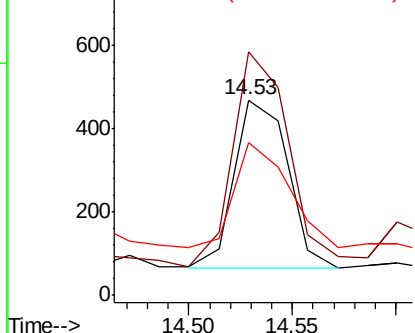


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.043 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.01 min
Lab File: BE099262.D
Acq: 29 Mar 2019 19:38

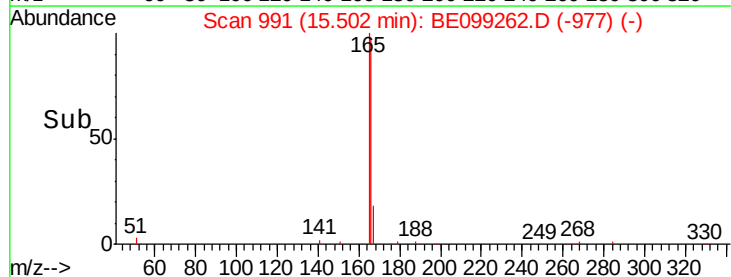
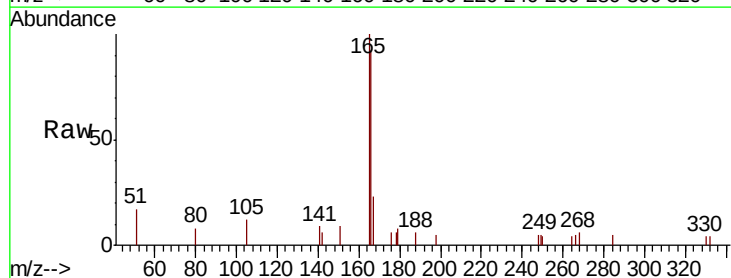
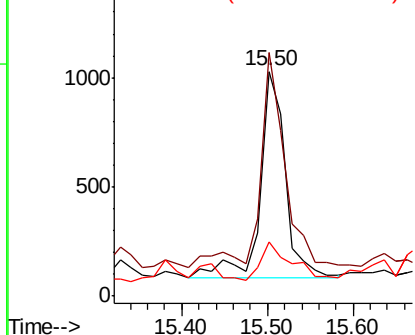
Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.0	78.9	118.3
167	21.8	10.9	16.3#

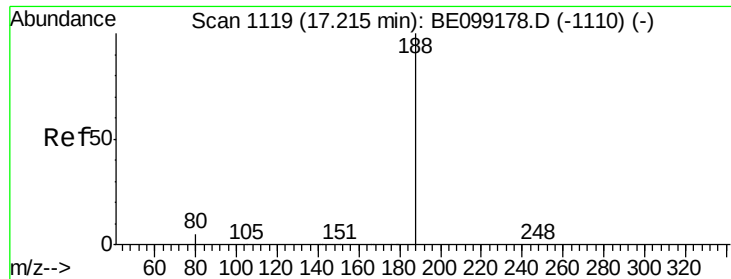
Abundance

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: 17.20 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE099262.D

Acq: 29 Mar 2019 19:38

Instrument :

BNA_E

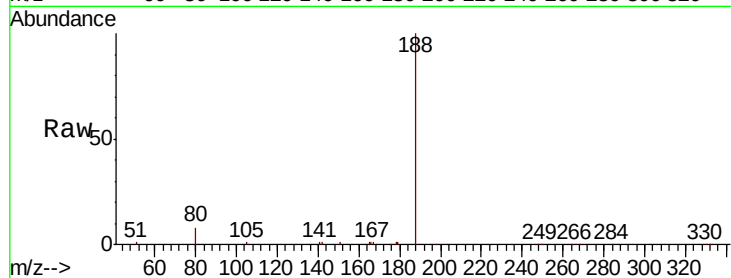
ClientSampleId :

EXT-028-SW004-032519

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	32156		
94	0.0	0.0	0.0	
80	8.2	4.5	6.7	

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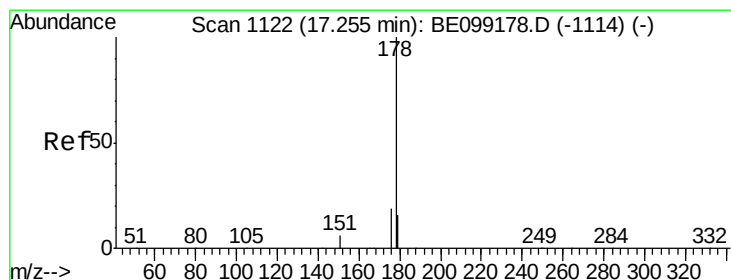
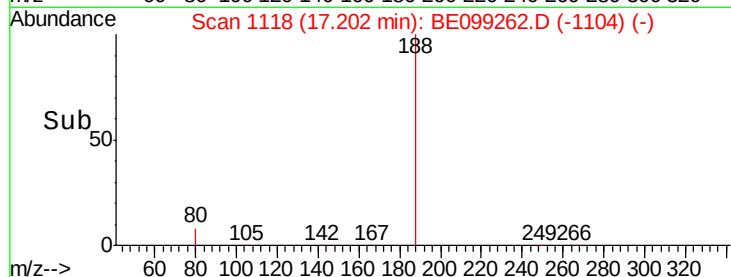
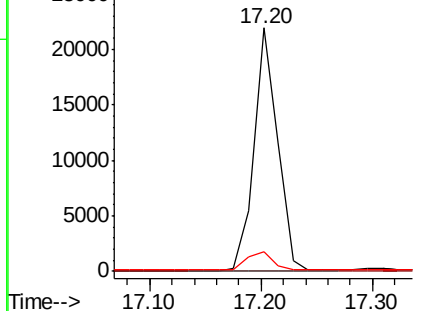
Sohil
4/1/2019 5:45:14 PM



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



#23

Phenanthrene

Concen: 0.691 ng

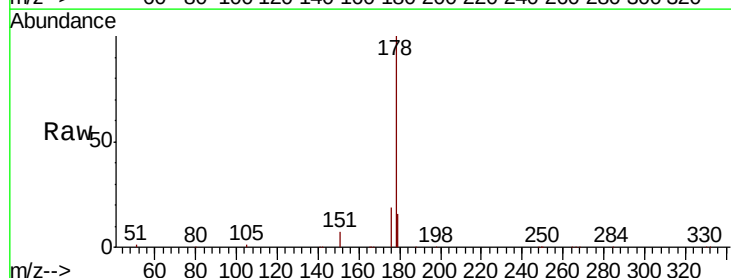
RT: 17.24 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE099262.D

Acq: 29 Mar 2019 19:38

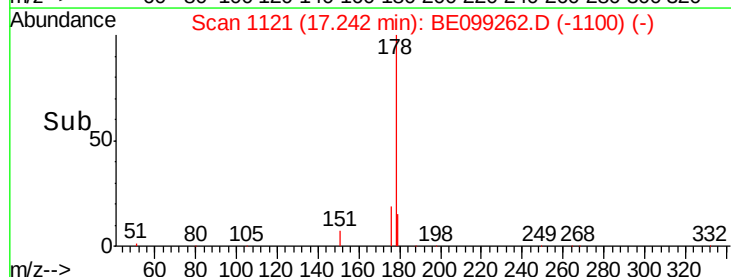
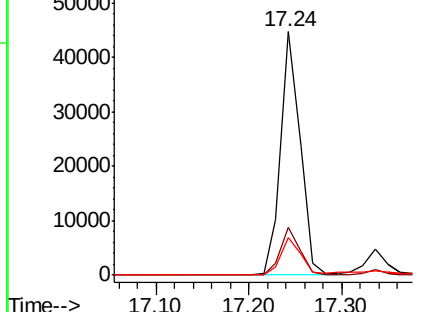
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	65227		
176	19.3	15.4	23.2	
179	15.5	12.3	18.5	

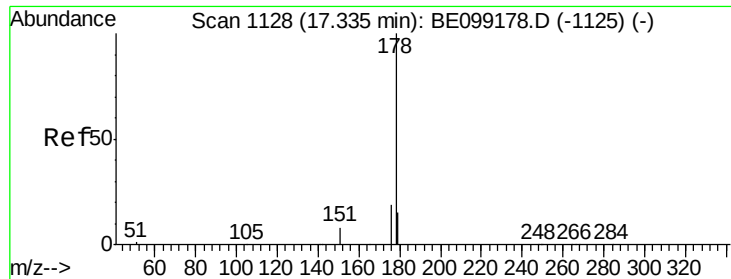


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





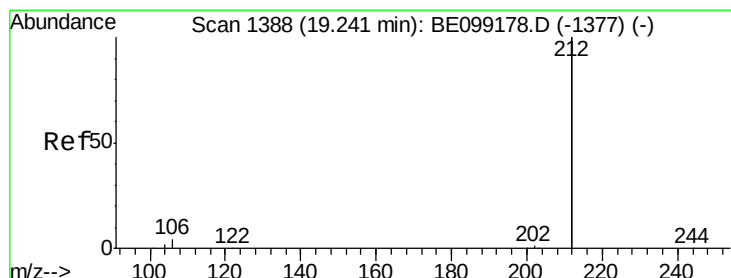
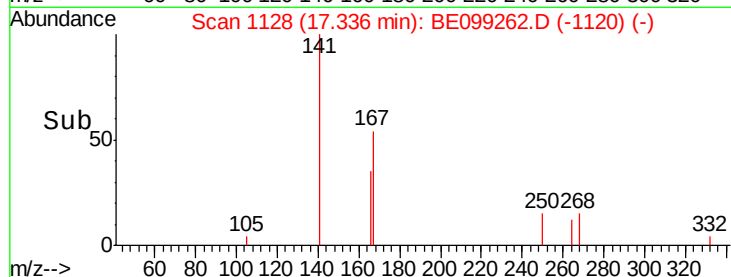
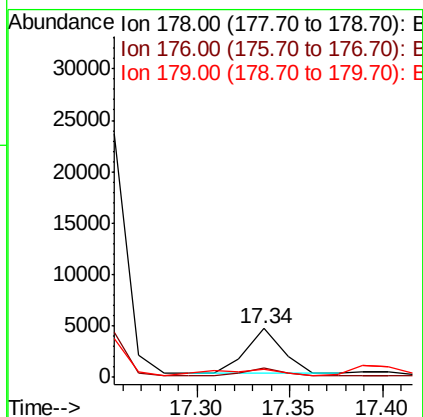
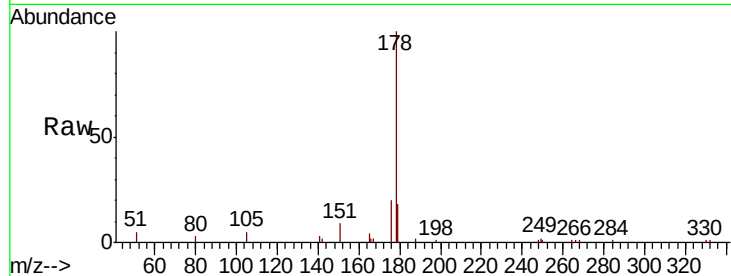
#24
 Anthracene
 Concen: 0.072 ng
 RT: 17.34 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: BE099262.D
 Acq: 29 Mar 2019 19:38

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW004-032519

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.1	22.7
179	24.8	12.4	18.6

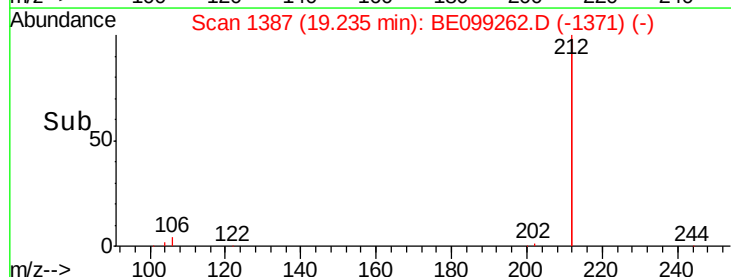
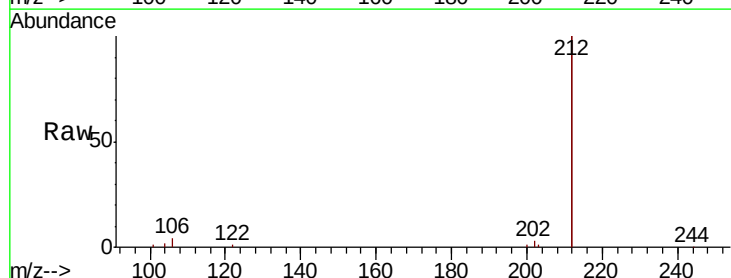
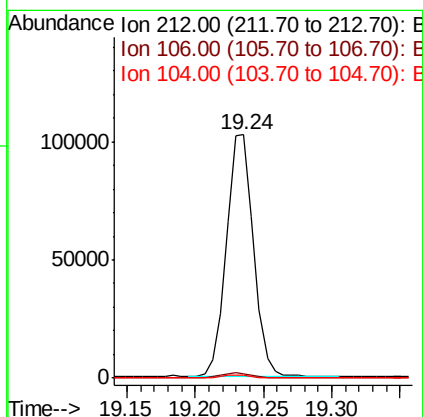
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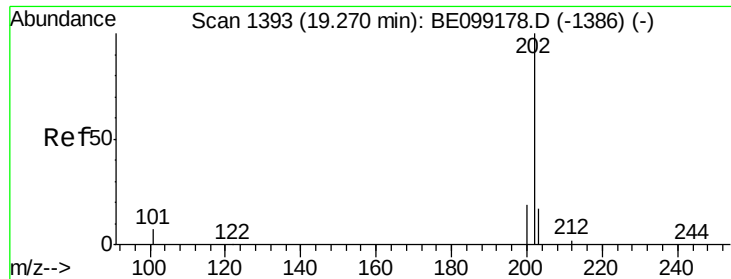
Sohil
 4/1/2019 5:45:14 PM



#25
 Fluoranthene-d10
 Concen: 0.364 ng
 RT: 19.24 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BE099262.D
 Acq: 29 Mar 2019 19:38

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.3	1.8	2.8
104	1.3	1.1	1.7





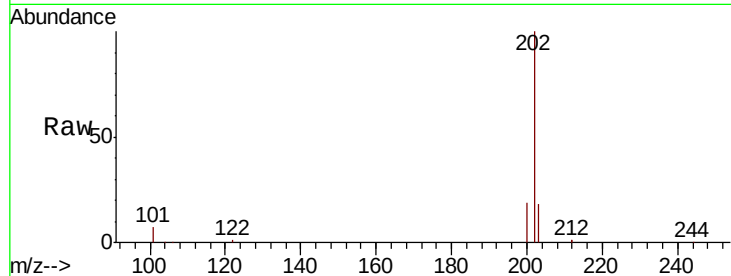
#26
Fluoranthene
Concen: 1.605 ng
RT: 19.26 min Scan# 1392
Delta R.T. -0.01 min
Lab File: BE099262.D
Acq: 29 Mar 2019 19:38

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW004-032519

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.0	7.0	10.4
203	17.5	13.8	20.6

Manual Integrations
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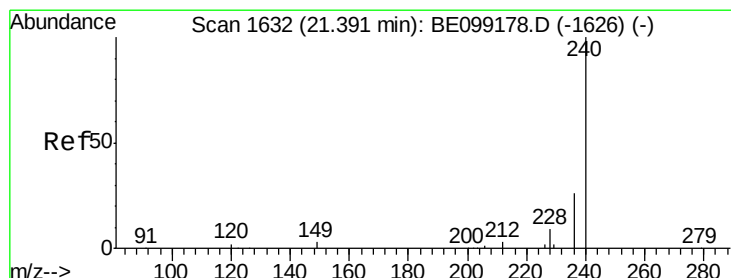
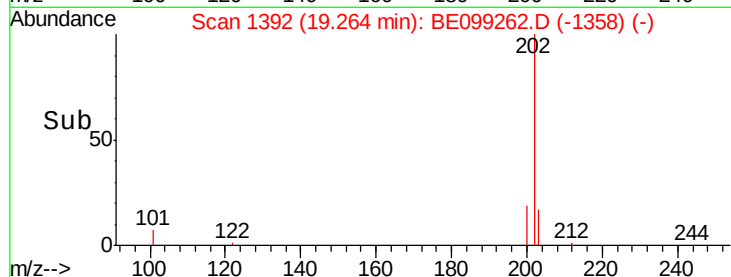
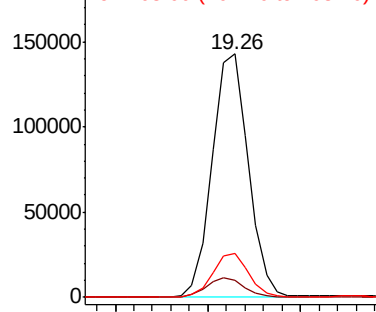


Abundance

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: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE099262.D
Acq: 29 Mar 2019 19:38

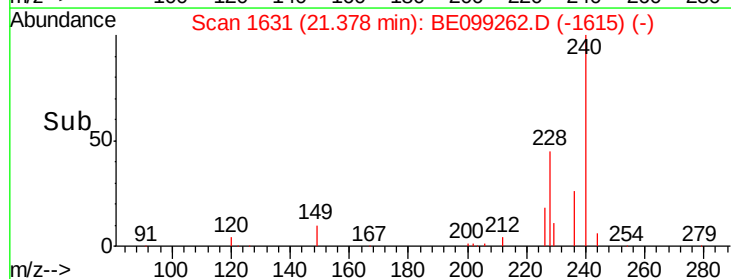
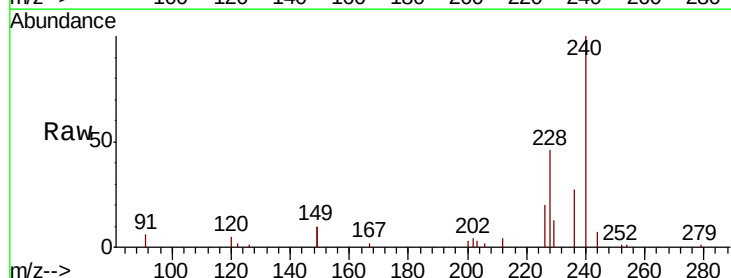
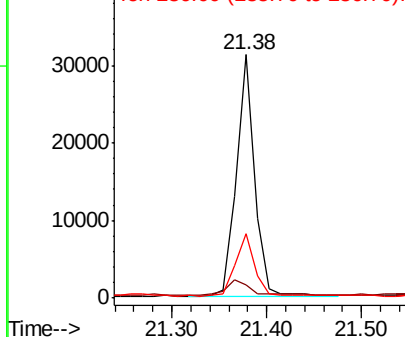
Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	5.2	2.6	3.8#
236	26.5	20.9	31.3

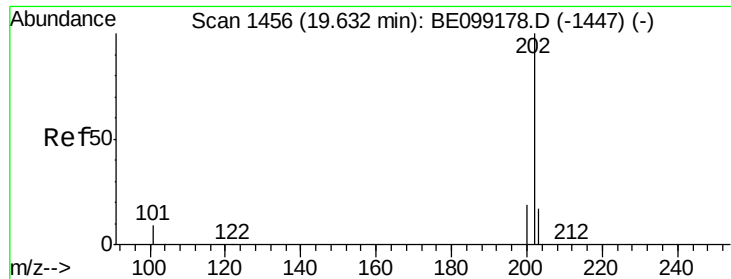
Abundance

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





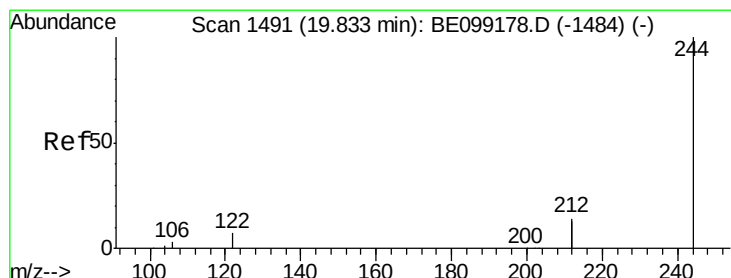
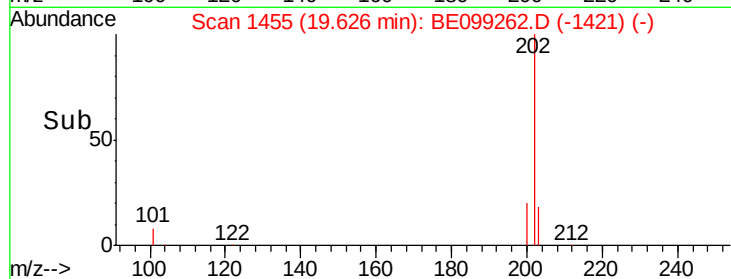
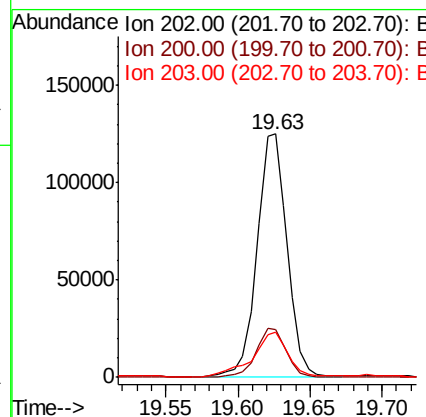
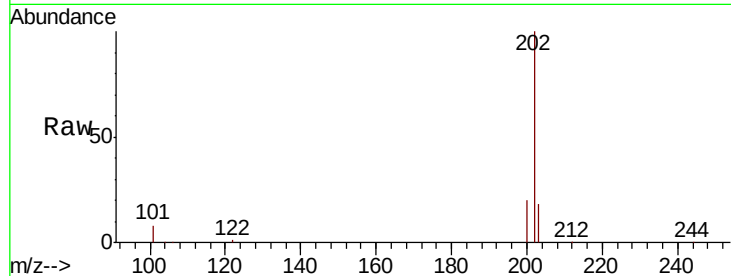
#28
 Pyrene
 Concen: 1.317 ng
 RT: 19.63 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BE099262.D
 Acq: 29 Mar 2019 19:38

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW004-032519

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.9	15.8	23.8	
203	21.2	14.1	21.1#	

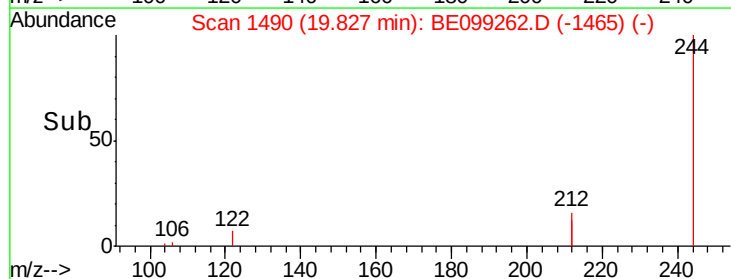
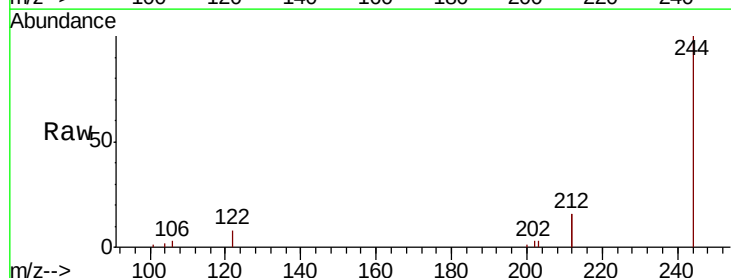
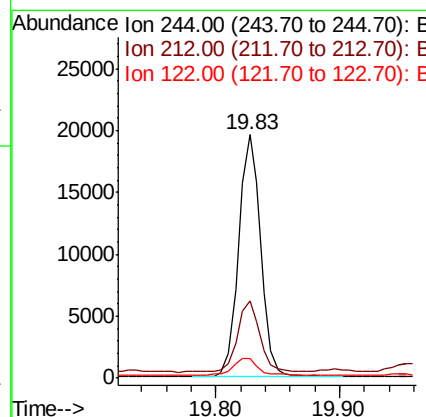
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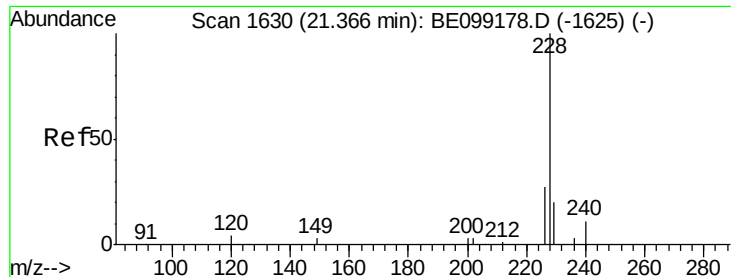
Sohil
 4/1/2019 5:45:14 PM



#29
 Terphenyl-d14
 Concen: 0.269 ng
 RT: 19.83 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: BE099262.D
 Acq: 29 Mar 2019 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	31.6	22.7	34.1	
122	7.9	5.8	8.6	





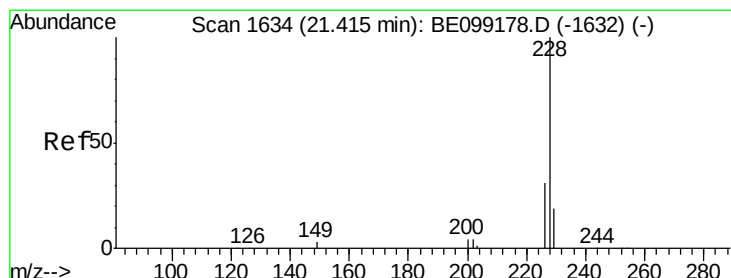
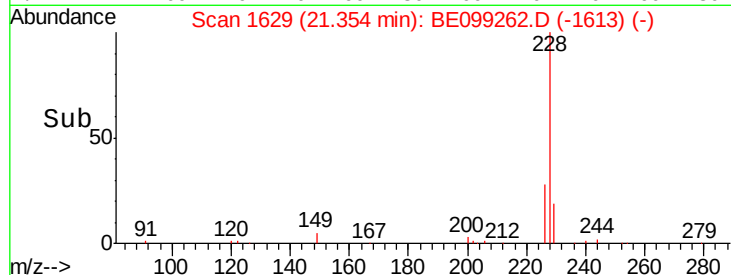
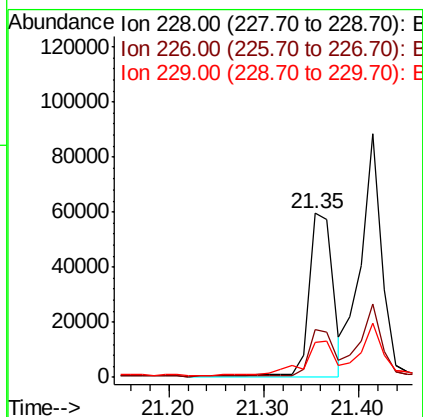
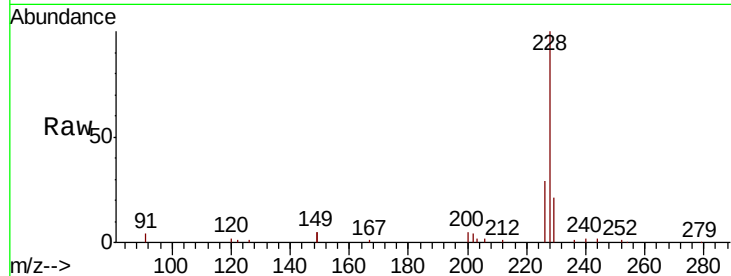
#30
Benzo(a)anthracene
Concen: 0.744 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.01 min
Lab File: BE099262.D
Acq: 29 Mar 2019 19:38

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW004-032519

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.7	32.5
229	21.0	15.9	23.9

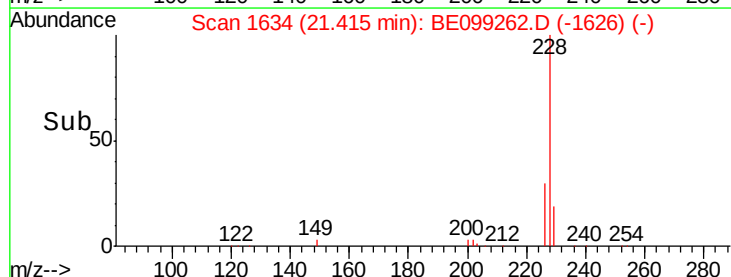
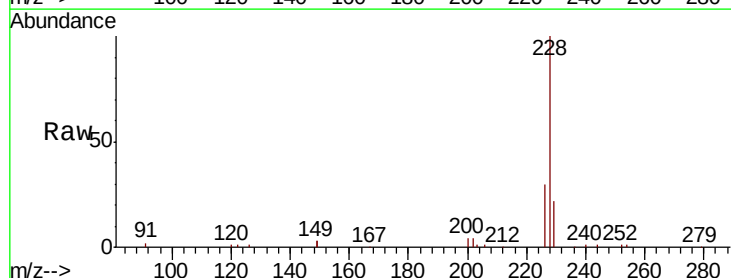
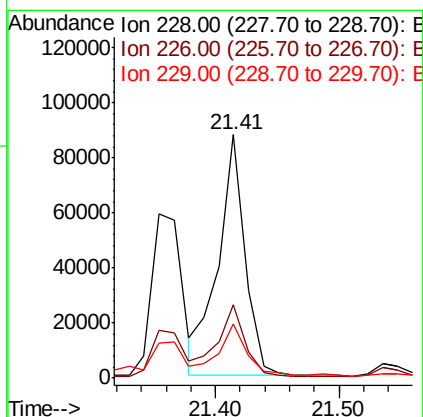
Manual Integrations
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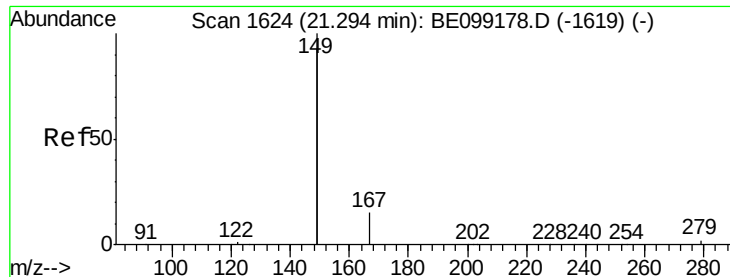
Sohil
4/1/2019 5:45:14 PM



#31
Chrysene
Concen: 0.914 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099262.D
Acq: 29 Mar 2019 19:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.8	37.2
229	22.1	15.4	23.0





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.122 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099262.D

Acq: 29 Mar 2019 19:38

Instrument :

BNA_E

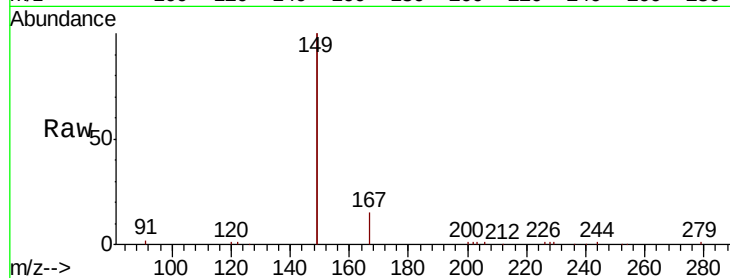
ClientSampleId :

EXT-028-SW004-032519

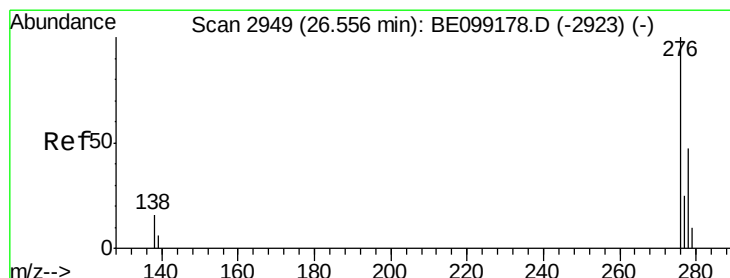
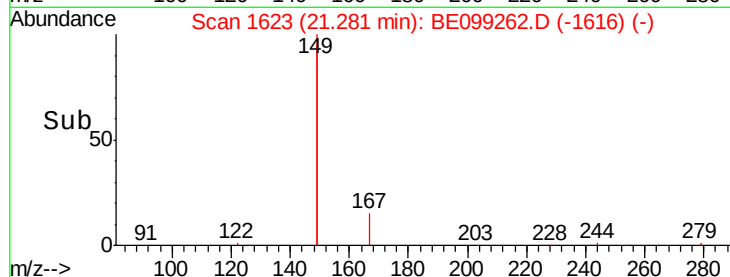
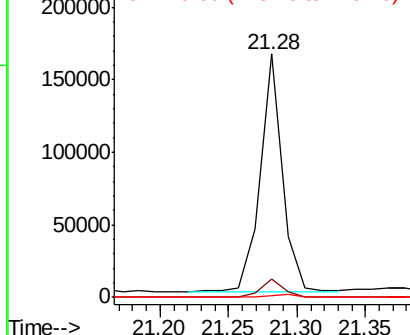
Tgt Ion:	149	Resp:	183307
Ion Ratio		Lower	Upper
149	100		
167	7.5	5.9	8.9
279	1.3	1.0	1.6

Manual Integrations
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4/1/2019 5:45:14 PM



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: 0.500 ng

RT: 26.53 min Scan# 2943

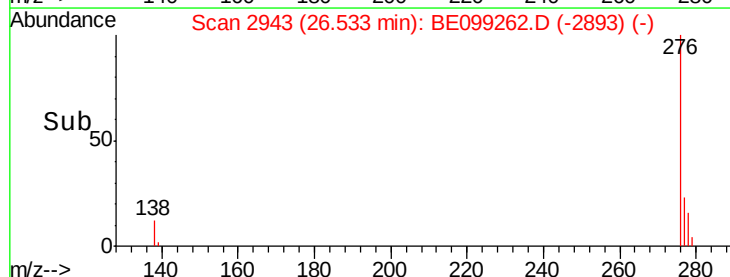
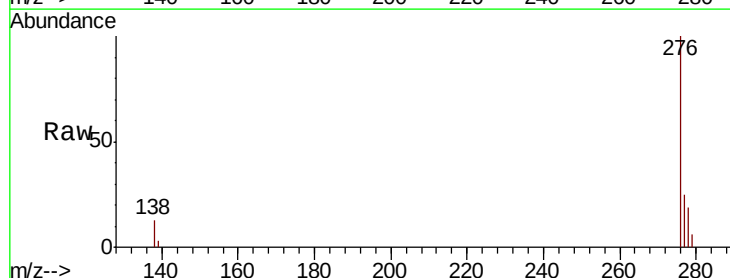
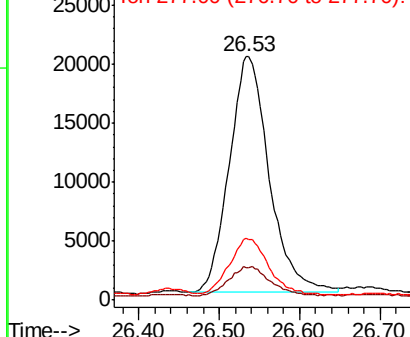
Delta R.T. -0.02 min

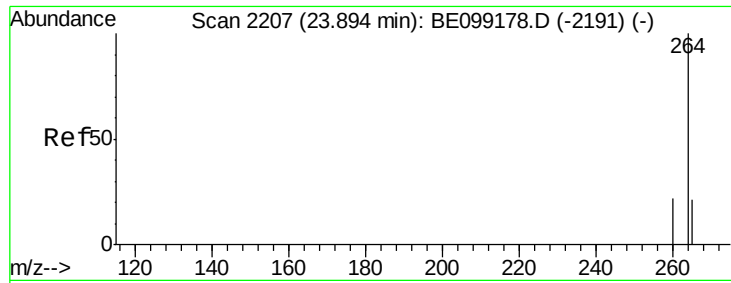
Lab File: BE099262.D

Acq: 29 Mar 2019 19:38

Tgt Ion:	276	Resp:	69231
Ion Ratio		Lower	Upper
276	100		
138	12.4	12.9	19.3#
277	23.5	18.3	27.5

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





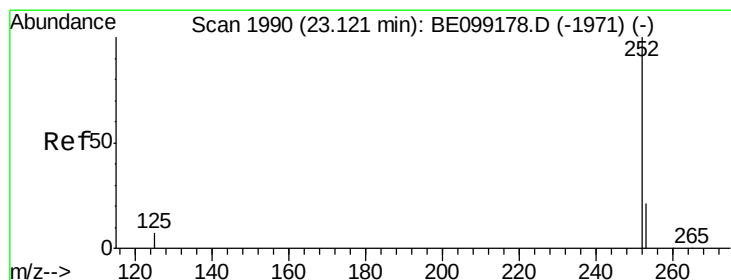
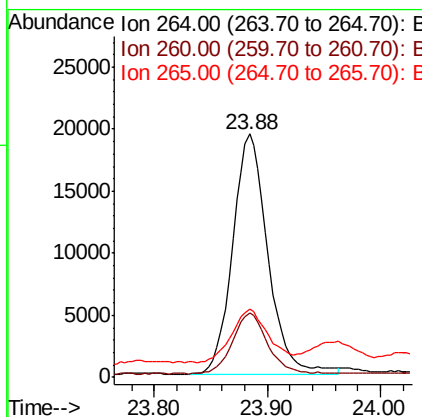
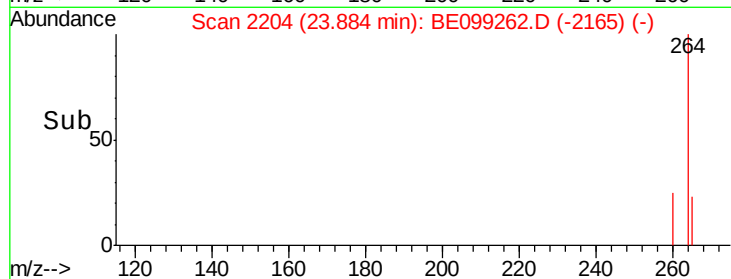
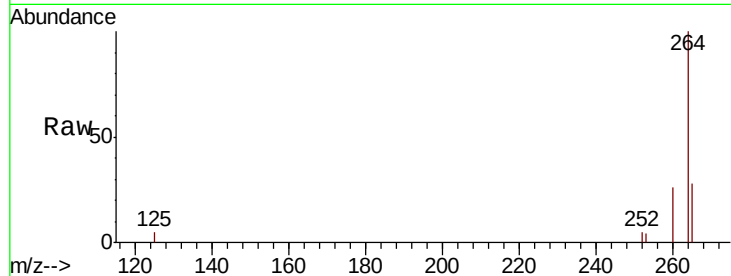
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.88 min Scan# 2204
 Delta R.T. -0.01 min
 Lab File: BE099262.D
 Acq: 29 Mar 2019 19:38

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW004-032519

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.3	18.2	27.2
265	28.1	21.8	32.8

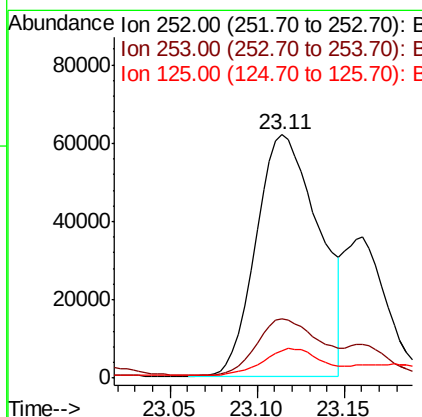
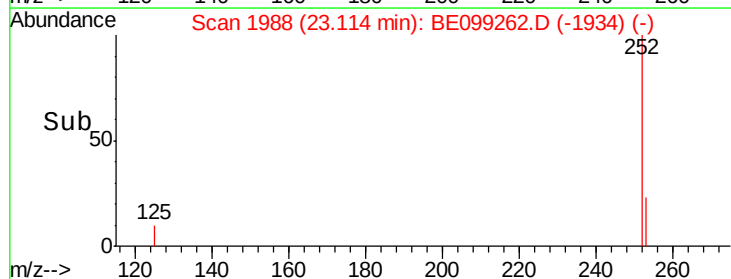
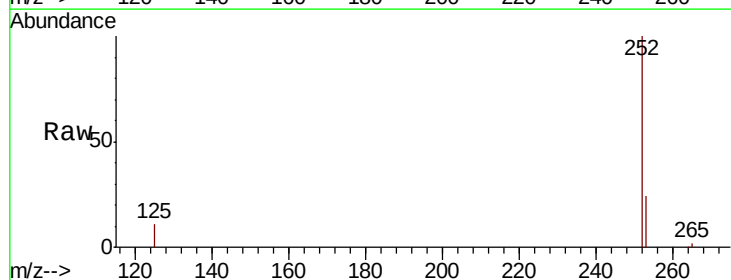
Manual Integrations
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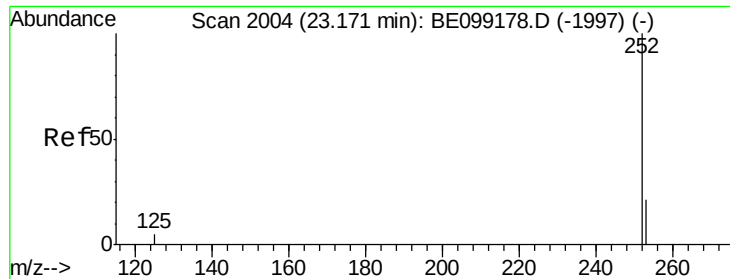
Sohil
 4/1/2019 5:45:14 PM



#35
Benzo(b)fluoranthene
 Concen: 1.122 ng
 RT: 23.11 min Scan# 1988
 Delta R.T. -0.01 min
 Lab File: BE099262.D
 Acq: 29 Mar 2019 19:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	11.1	6.1	9.1





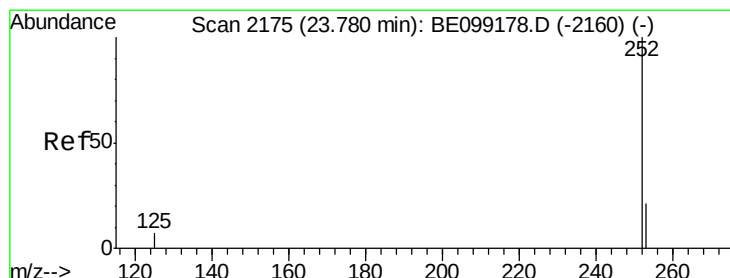
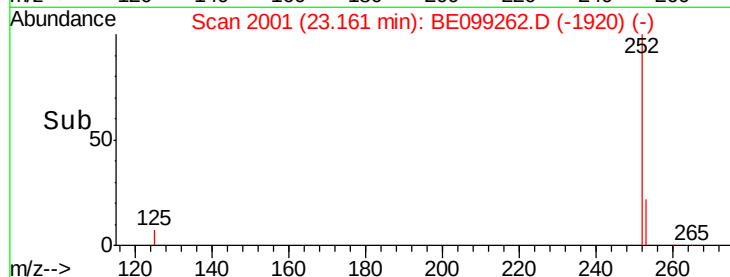
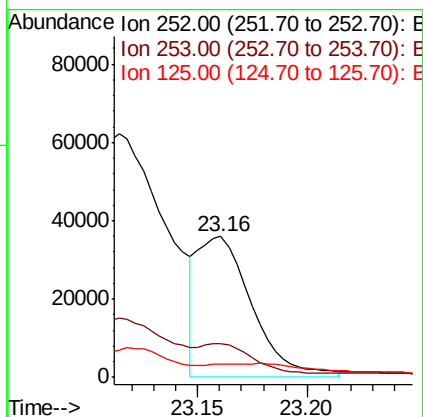
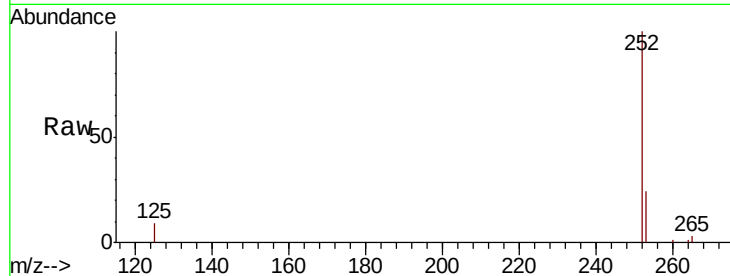
#36
Benzo(k)fluoranthene
Concen: 0.428 ng m
RT: 23.16 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BE099262.D
Acq: 29 Mar 2019 19:38

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW004-032519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	9.4	5.9	8.9#

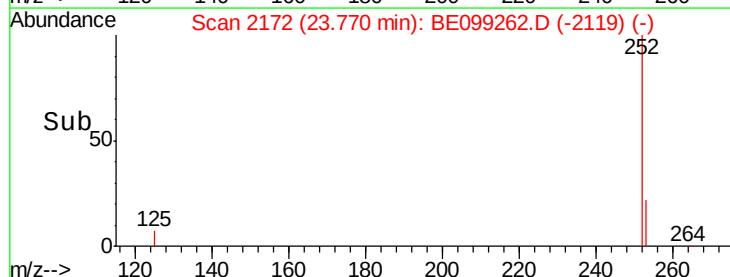
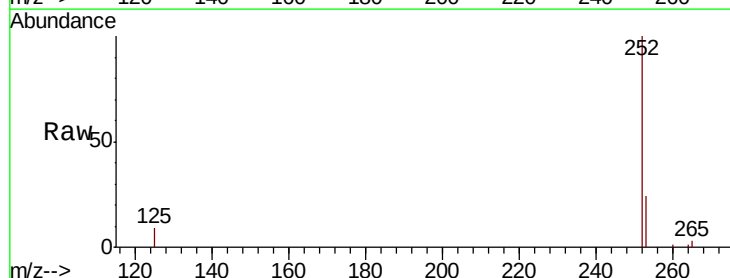
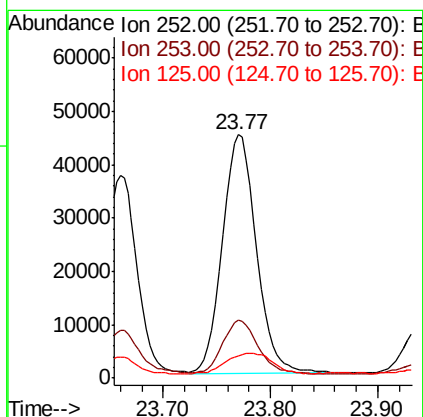
Manual Integrations
APPROVED

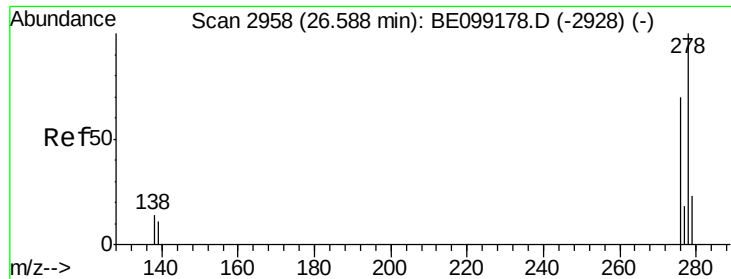
Sohil
4/1/2019 5:45:14 PM



#37
Benzo(a)pyrene
Concen: 0.767 ng
RT: 23.77 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BE099262.D
Acq: 29 Mar 2019 19:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	9.3	6.8	10.2





#38

Dibenzo(a,h)anthracene

Concen: 0.155 ng

RT: 26.55 min Scan# 2948

Delta R.T. -0.04 min

Lab File: BE099262.D

Acq: 29 Mar 2019 19:38

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW004-032519

Tgt Ion: 278 Resp: 17627

Ion Ratio Lower Upper

278 100

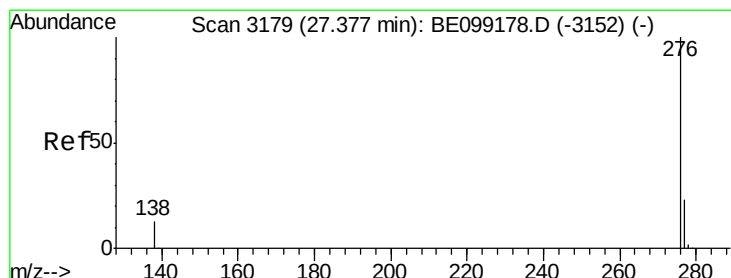
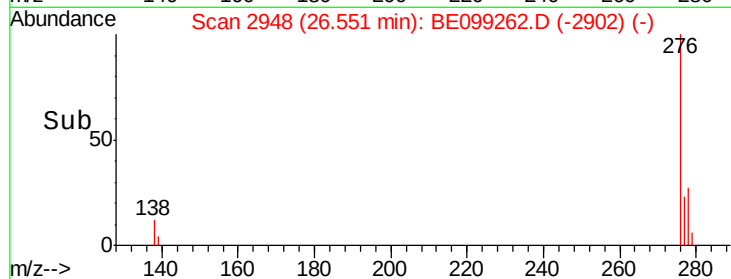
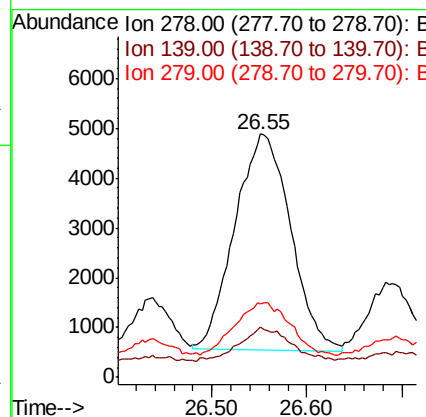
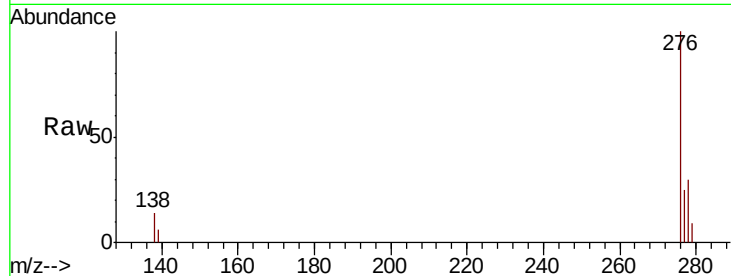
139 20.6 9.5 14.3#

279 30.1 19.1 28.7#

Manual Integrations
APPROVED

Sohil

4/1/2019 5:45:14 PM



#39

Benzo(g,h,i)perylene

Concen: 0.609 ng

RT: 27.36 min Scan# 3174

Delta R.T. -0.02 min

Lab File: BE099262.D

Acq: 29 Mar 2019 19:38

Tgt Ion: 276 Resp: 69555

Ion Ratio Lower Upper

276 100

277 24.8 19.0 28.4

138 14.1 11.1 16.7

