

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050619\
 Data File : BE099554.D
 Acq On : 6 May 2019 17:14
 Operator : JU/SJ
 Sample : K2587-20DL 40X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW068-042319DL

Manual Integrations
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Quant Time: May 07 08:31:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 07 08:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1968	0.40	ng	0.02
7) Naphthalene-d8	10.65	136	7256	0.40	ng	0.03
13) Acenaphthene-d10	14.51	164	5245	0.40	ng	0.01
19) Phenanthrene-d10	17.26	188	15145	0.40	ng	0.01
27) Chrysene-d12	21.44	240	21479	0.40	ng	0.00
34) Perylene-d12	23.99	264	25283	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	72	0.01	ng	0.02
5) Phenol-d6	7.01	99	108	0.01	ng	0.03
8) Nitrobenzene-d5	9.00	82	58	0.01	ng	0.03
11) 2-Methylnaphthalene-d10	12.25	152	116	0.01	ng	0.01
14) 2,4,6-Tribromophenol	16.00	330	53	0.02	ng	0.01
15) 2-Fluorobiphenyl	13.13	172	163	0.01	ng	0.01
25) Fluoranthene-d10	19.29	212	1727	0.01	ng	0.01
29) Terphenyl-d14	19.88	244	621	0.02	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.69	128	1732	0.022	ng	# 87
16) Acenaphthylene	14.23	152	5393	0.210	ng	97
17) Acenaphthene	14.57	154	2517	0.172	ng	100
18) Fluorene	15.56	166	5618	0.260	ng	99
23) Phenanthrene	17.30	178	133388	3.413	ng	100
24) Anthracene	17.39	178	25944	0.697	ng	98
26) Fluoranthene	19.32	202	410408	7.011	ng	100
28) Pyrene	19.68	202	347282	6.203	ng	# 95
30) Benzo(a)anthracene	21.41	228	199943	2.922	ng	96
31) Chrysene	21.47	228	183575m	2.741	ng	
33) Indeno(1,2,3-cd)pyrene	26.70	276	110077	1.391	ng	# 97
35) Benzo(b)fluoranthene	23.21	252	234729	3.220	ng	# 98
36) Benzo(k)fluoranthene	23.25	252	77449m	1.102	ng	
37) Benzo(a)pyrene	23.88	252	161979m	2.350	ng	
38) Dibenzo(a,h)anthracene	26.72	278	25025	0.355	ng	95
39) Benzo(g,h,i)perylene	27.54	276	100432	1.422	ng	99

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

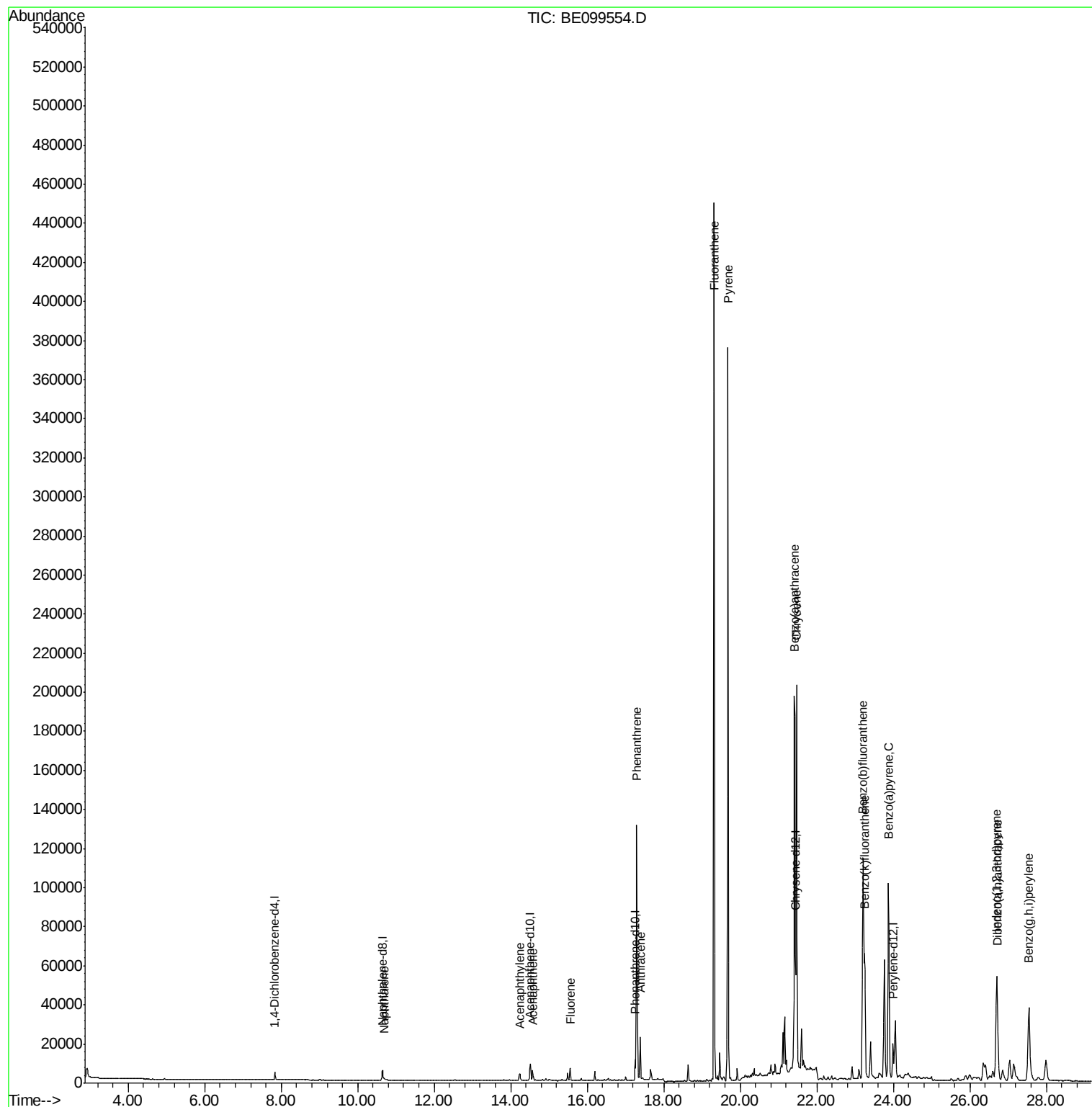
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050619\
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ALS Vial : 8 Sample Multiplier: 1

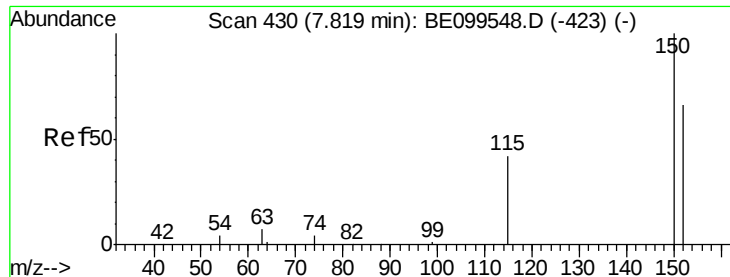
Instrument :
BNA_E
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EXT-004-SW068-042319DL

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Quant Time: May 07 08:31:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
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#1

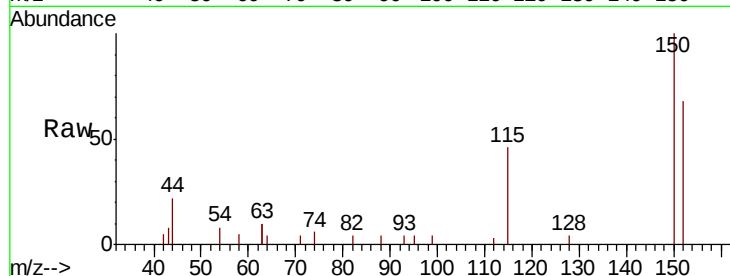
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.02 min
Lab File: BE099554.D
Acq: 6 May 2019 17:14

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

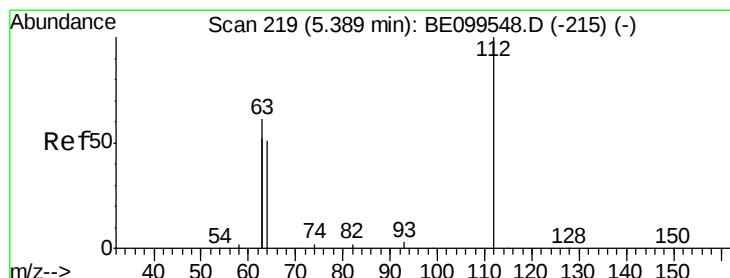
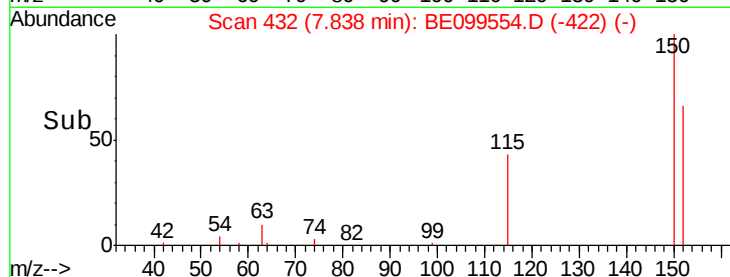
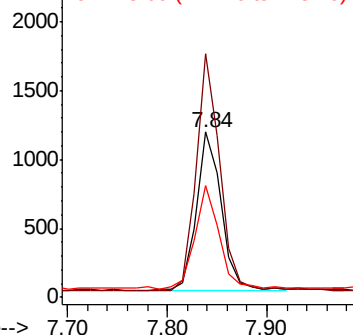
Tot Ion	Ratio	Lower	Upper
152	100		
150	147.4	104.8	157.2
115	67.4	46.6	69.8

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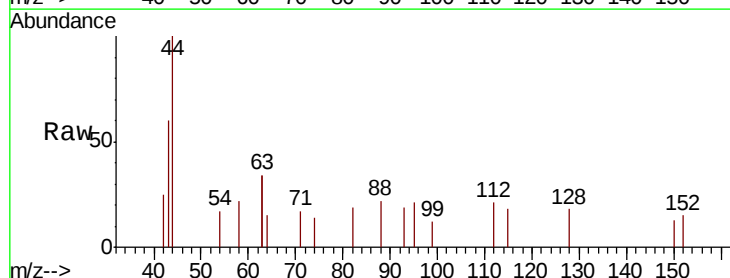
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



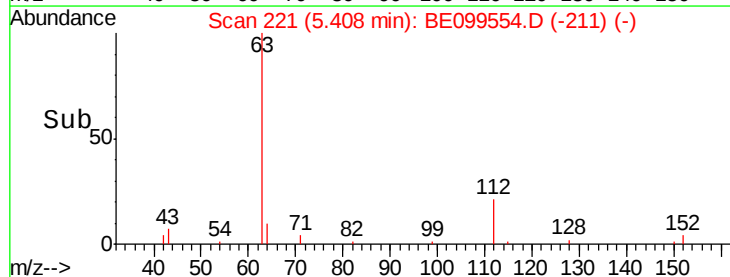
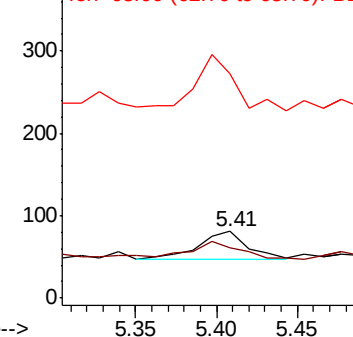
#4

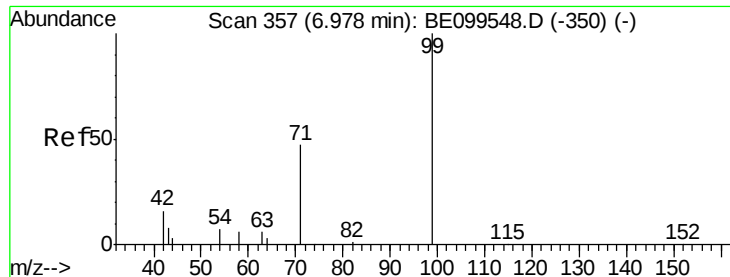
2-Fluorophenol
Concen: 0.013 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.02 min
Lab File: BE099554.D
Acq: 6 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.0	47.4	71.0#
63	159.7	104.3	156.5#



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: 0.015 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.03 min

Lab File: BE099554.D

Acq: 6 May 2019 17:14

Instrument :

BNA_E

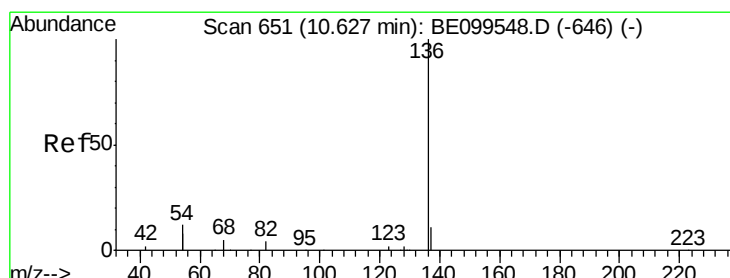
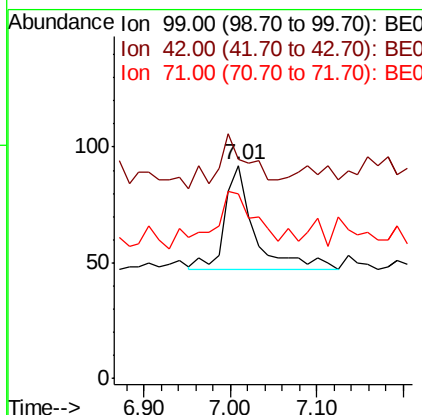
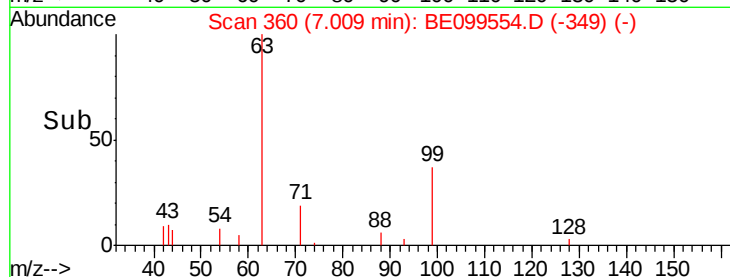
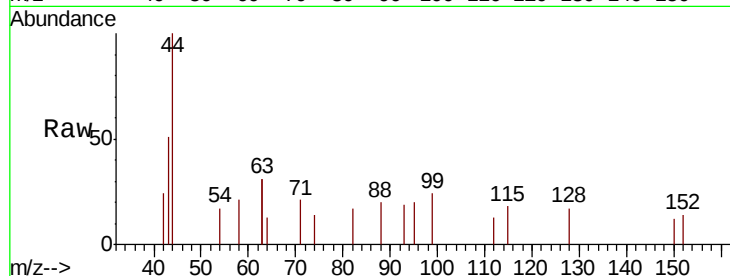
ClientSampleId :

EXT-004-SW068-042319DL

Tot Ion:	99	Resp:	108
Ion	Ratio	Lower	Upper
99	100		
42	56.5	14.9	22.3#
71	80.6	33.0	49.6#

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#7

Naphthalene-d8

Concen: 0.400 ng

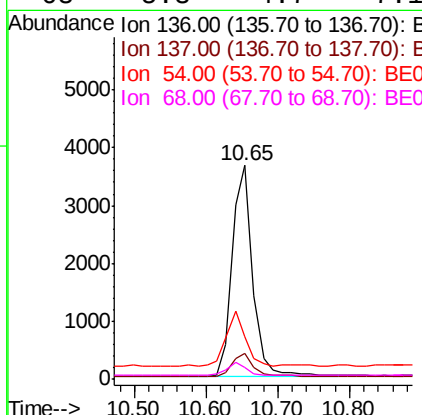
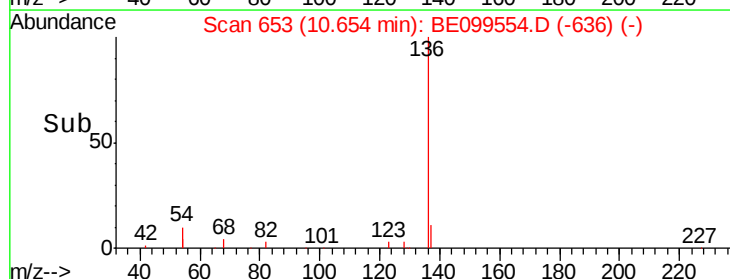
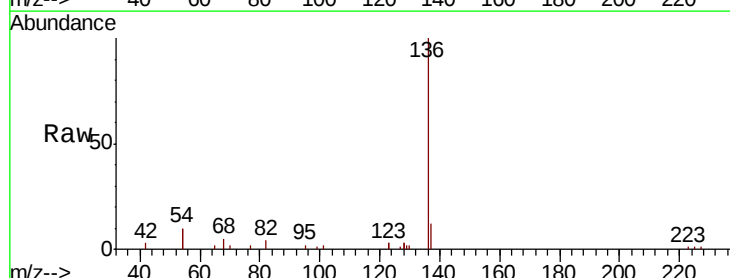
RT: 10.65 min Scan# 653

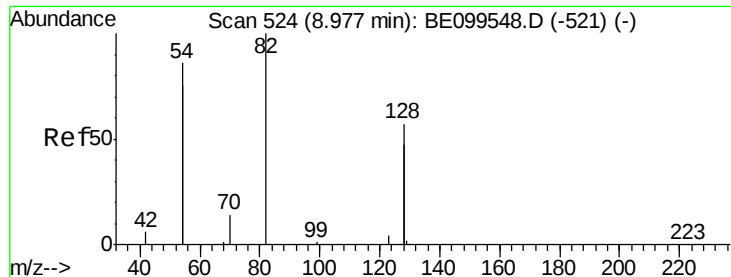
Delta R.T. 0.03 min

Lab File: BE099554.D

Acq: 6 May 2019 17:14

Tgt Ion:	136	Resp:	7256
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.8	14.8
54	19.6	18.5	27.7
68	5.3	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.009 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.03 min

Lab File: BE099554.D

Acq: 6 May 2019 17:14

Instrument :

BNA_E

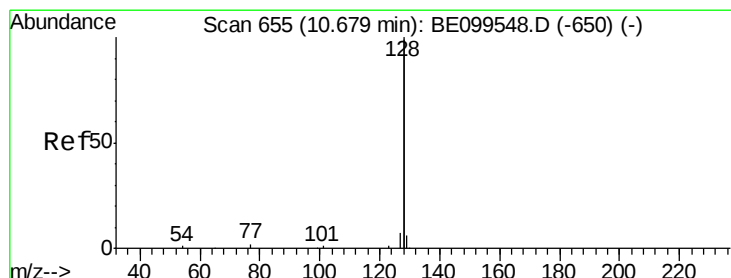
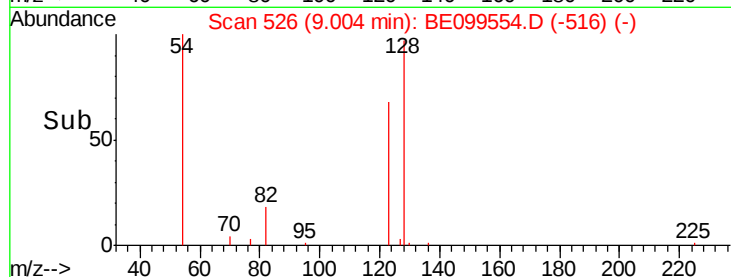
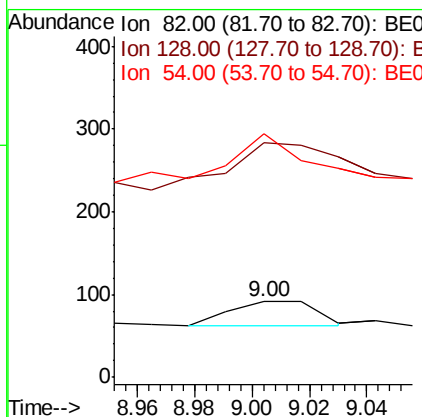
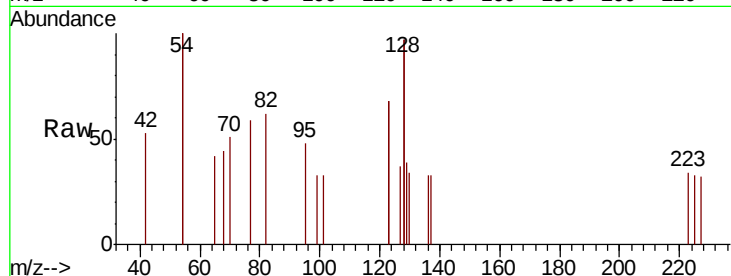
ClientSampleId :

EXT-004-SW068-042319DL

Tot Ion:	82	Resp:	58
Ion	Ratio	Lower	Upper
82	100		
128	312.1	107.0	160.4#
54	323.1	113.1	169.7#

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#9

Naphthalene

Concen: 0.022 ng

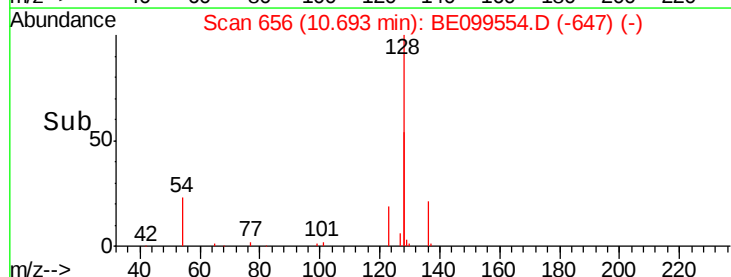
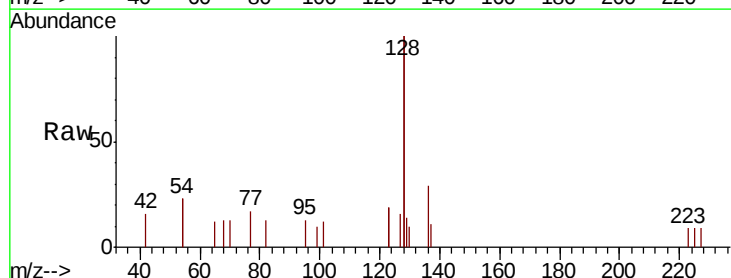
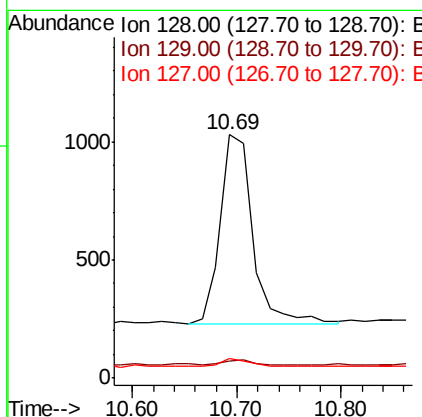
RT: 10.69 min Scan# 656

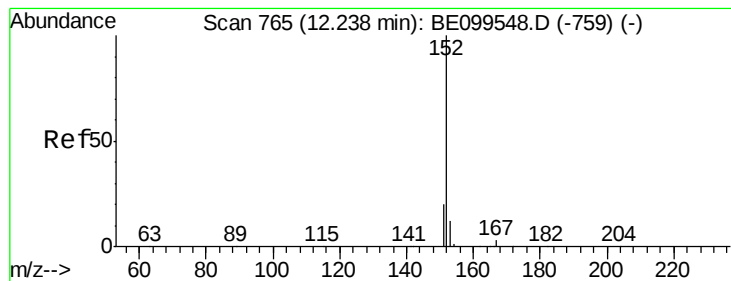
Delta R.T. 0.01 min

Lab File: BE099554.D

Acq: 6 May 2019 17:14

Tgt Ion:	128	Resp:	1732
Ion	Ratio	Lower	Upper
128	100		
129	7.1	2.4	3.6#
127	7.9	2.8	4.2#





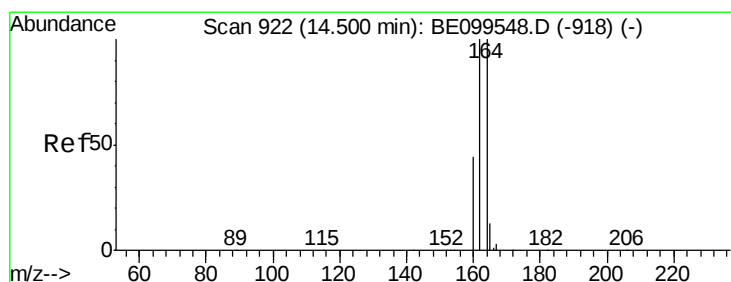
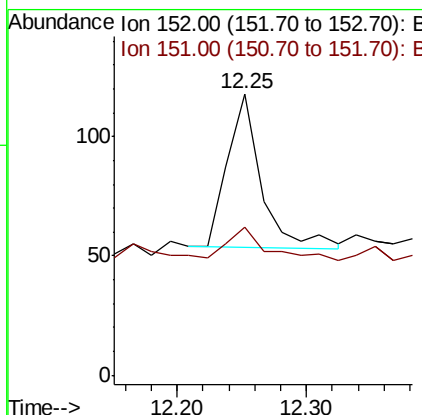
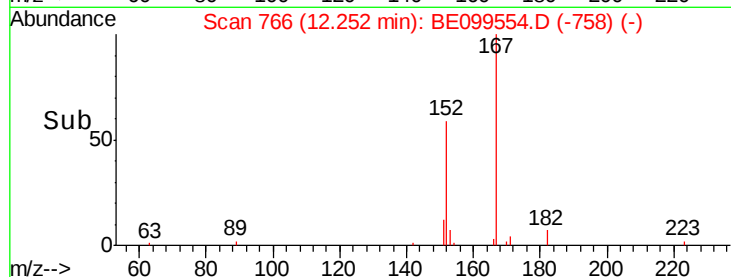
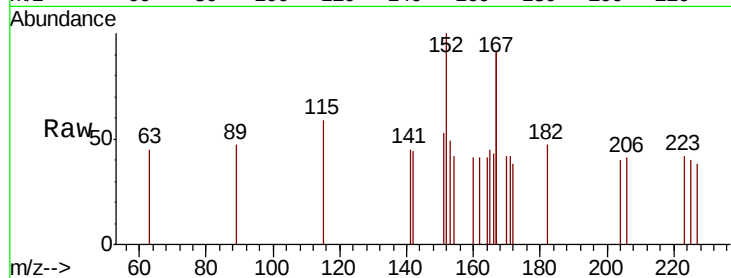
#11
2-Methylnaphthalene-d10
Concen: 0.009 ng
RT: 12.25 min Scan# 766
Delta R.T. 0.01 min
Lab File: BE099554.D
Acq: 6 May 2019 17:14

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tot Ion:152 Resp: 116
Ion Ratio Lower Upper
152 100
151 25.0 15.5 23.3#

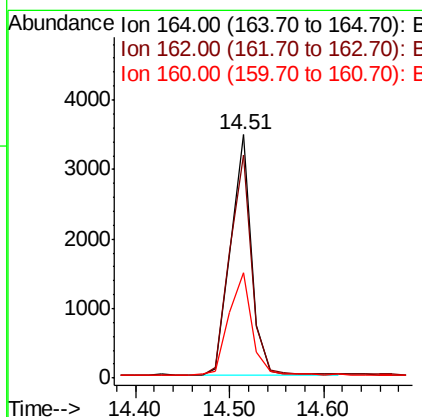
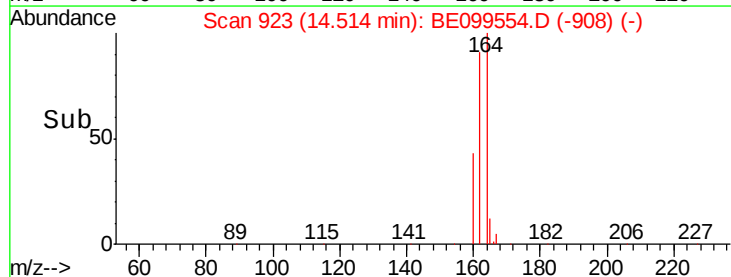
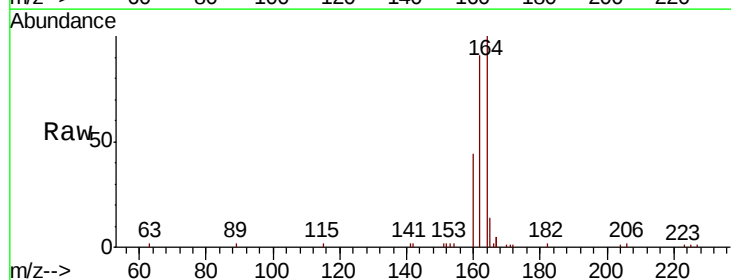
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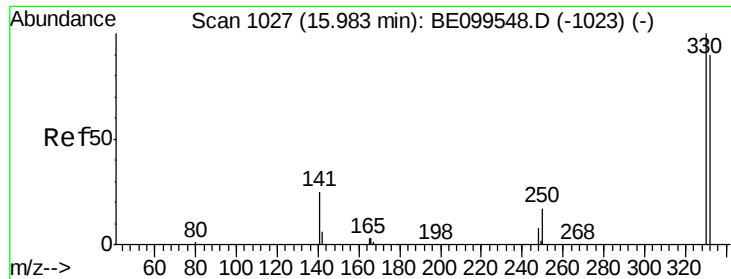
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. 0.01 min
Lab File: BE099554.D
Acq: 6 May 2019 17:14

Tgt Ion:164 Resp: 5245
Ion Ratio Lower Upper
164 100
162 91.5 79.0 118.4
160 43.5 37.0 55.4





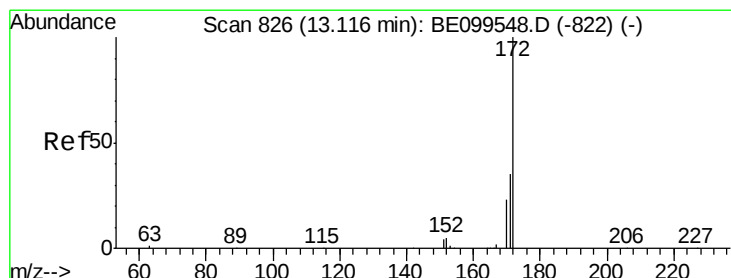
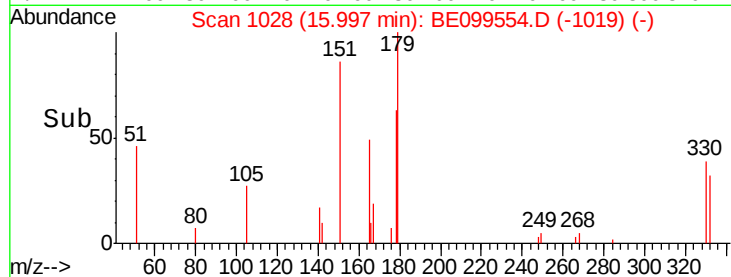
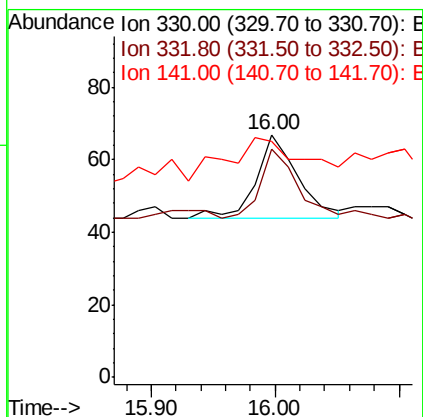
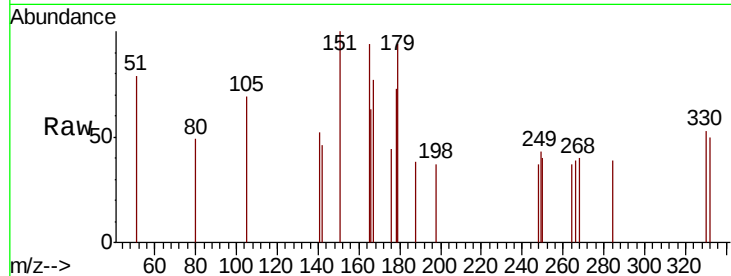
#14
 2,4,6-Tribromophenol
 Concen: 0.016 ng
 RT: 16.00 min Scan# 1028
 Delta R.T. 0.01 min
 Lab File: BE099554.D
 Acq: 6 May 2019 17:14

Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW068-042319DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	77.4	71.5	107.3
141	96.2	24.0	36.0

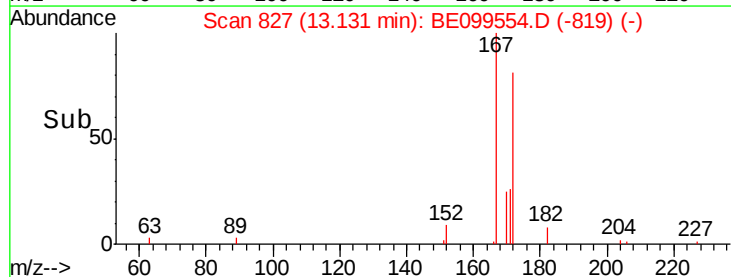
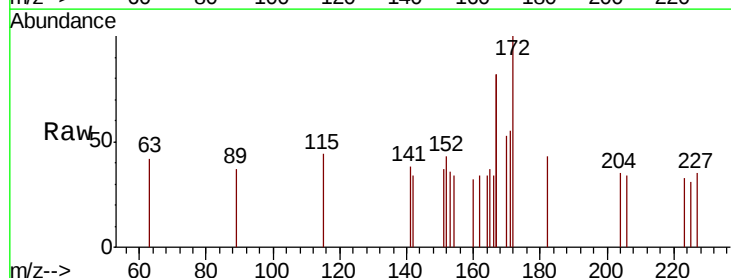
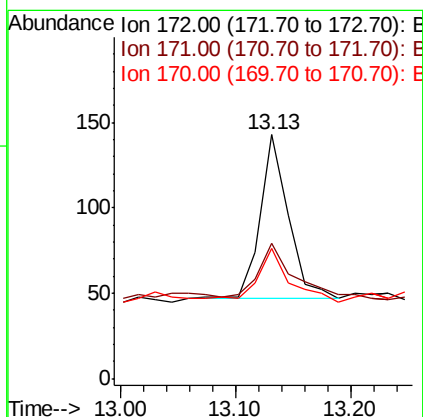
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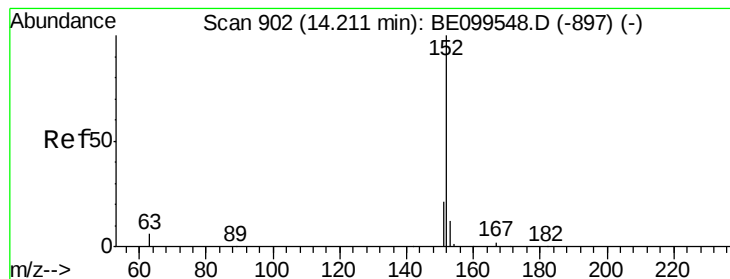
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#15
 2-Fluorobiphenyl
 Concen: 0.008 ng
 RT: 13.13 min Scan# 827
 Delta R.T. 0.01 min
 Lab File: BE099554.D
 Acq: 6 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	55.2	26.6	39.8
170	53.1	17.0	25.6





#16

Acenaphthylene

Concen: 0.210 ng

RT: 14.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: BE099554.D

Acq: 6 May 2019 17:14

Instrument :

BNA_E

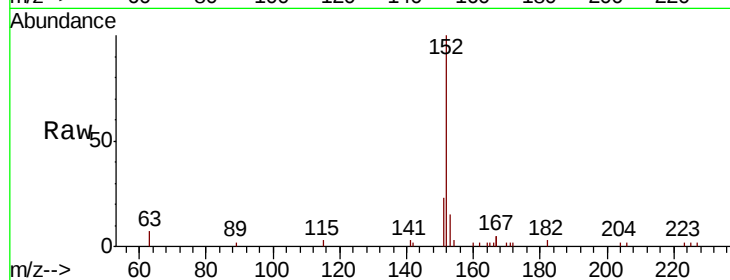
ClientSampleId :

EXT-004-SW068-042319DL

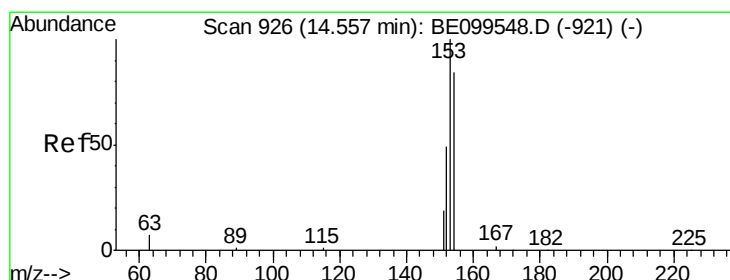
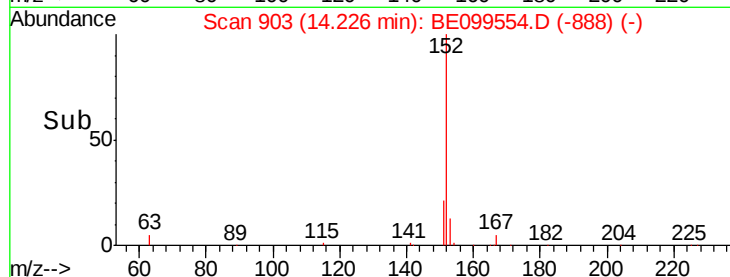
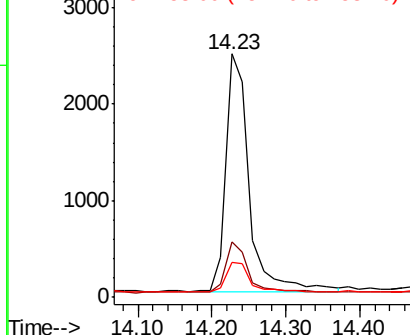
Tot Ion:	152	Resp:	5393
Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.4	23.2
153	13.5	9.8	14.6

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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: 0.172 ng

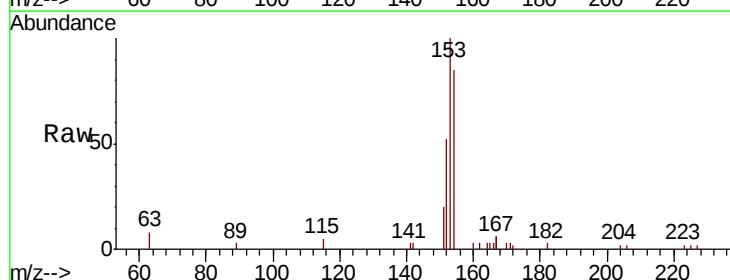
RT: 14.57 min Scan# 927

Delta R.T. 0.01 min

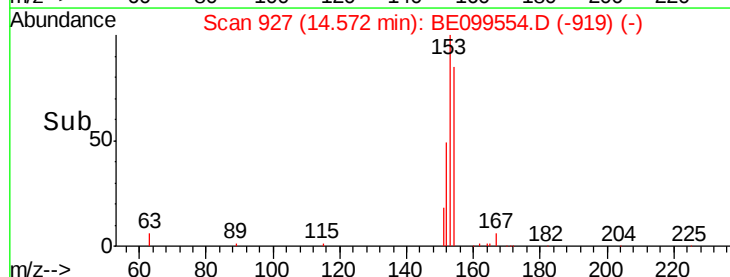
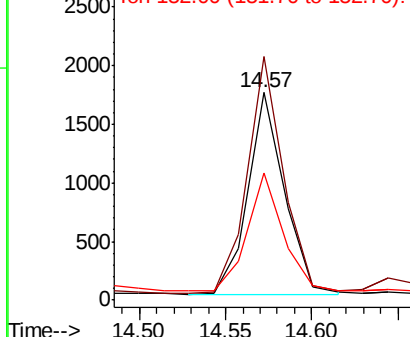
Lab File: BE099554.D

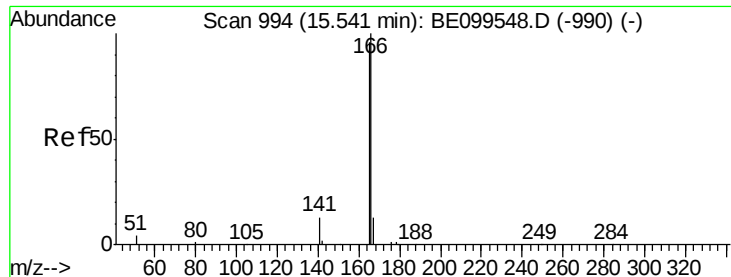
Acq: 6 May 2019 17:14

Tgt Ion:	154	Resp:	2517
Ion	Ratio	Lower	Upper
154	100		
153	116.4	92.6	138.8
152	57.3	45.8	68.8



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





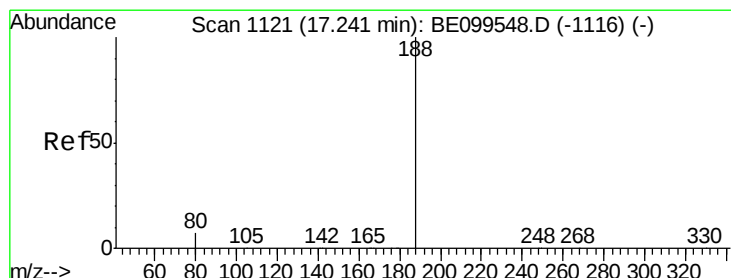
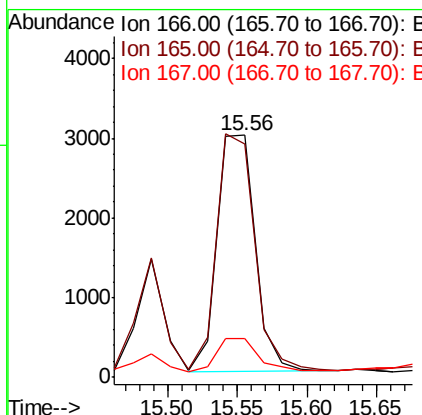
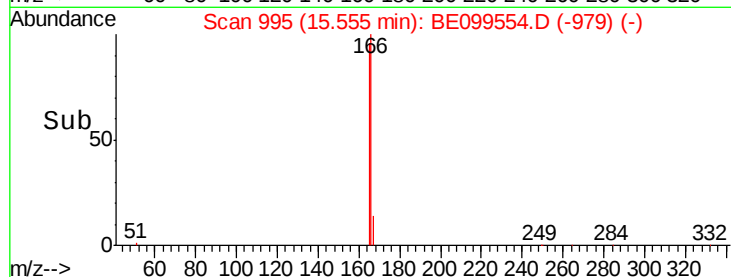
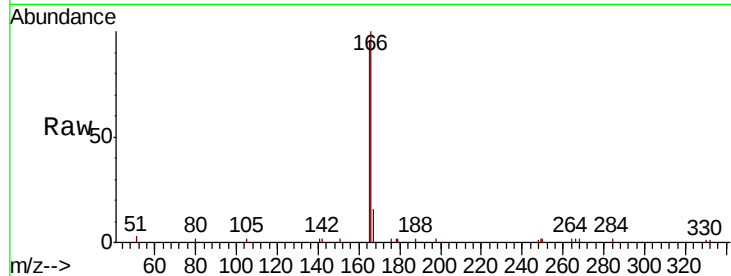
#18
Fluorene
 Concen: 0.260 ng
 RT: 15.56 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: BE099554.D
 Acq: 6 May 2019 17:14

Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW068-042319DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.7	80.3	120.5
167	15.2	10.7	16.1

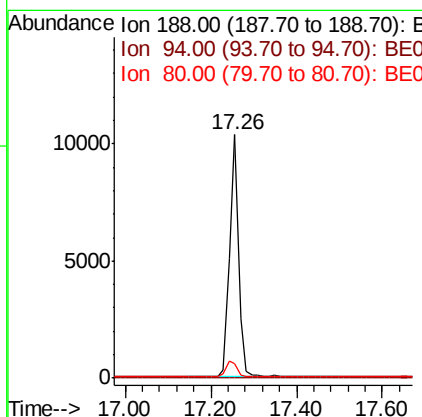
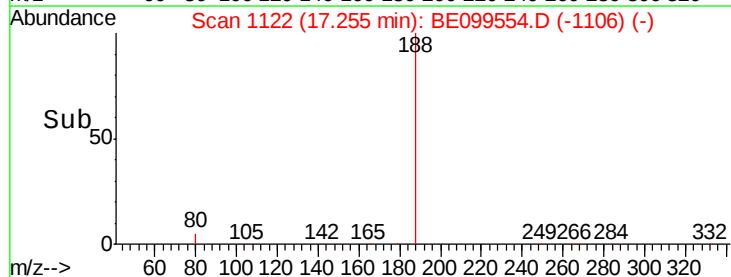
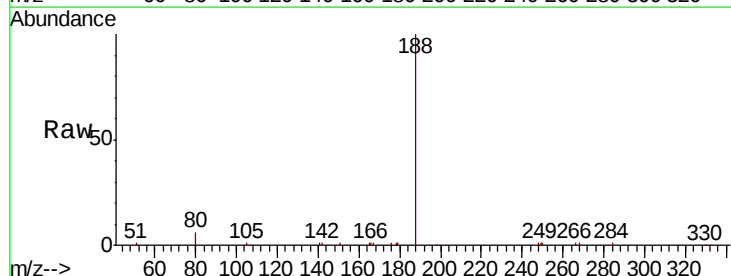
Manual Integrations
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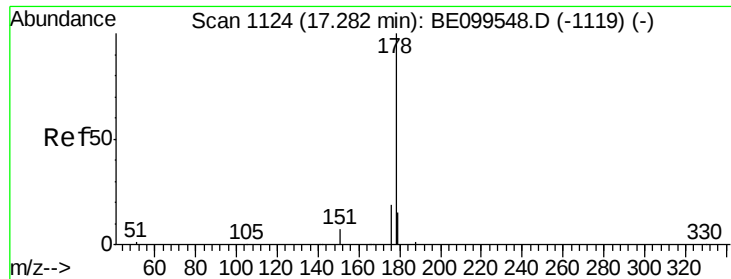
mohammad
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.26 min Scan# 1122
 Delta R.T. 0.01 min
 Lab File: BE099554.D
 Acq: 6 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.7	6.7	10.1#





#23

Phenanthrene

Concen: 3.413 ng

RT: 17.30 min Scan# 1125

Delta R.T. 0.01 min

Lab File: BE099554.D

Acq: 6 May 2019 17:14

Instrument :

BNA_E

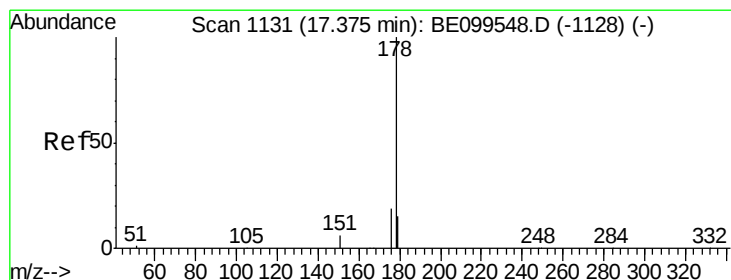
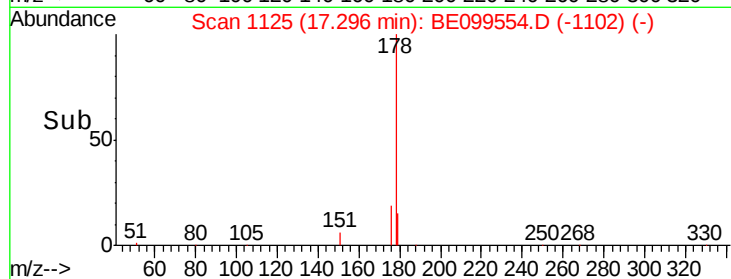
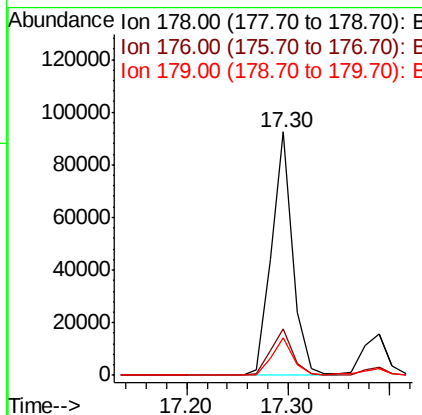
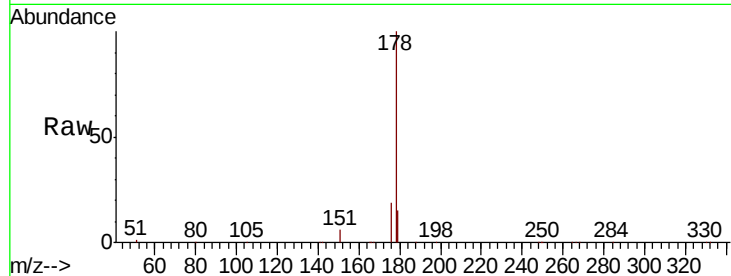
ClientSampleId :

EXT-004-SW068-042319DL

Tot Ion:178	Resp:	133388
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.6 23.4
179	15.4	12.0 18.0

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#24

Anthracene

Concen: 0.697 ng

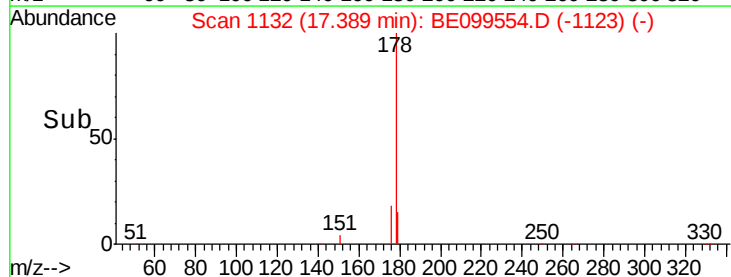
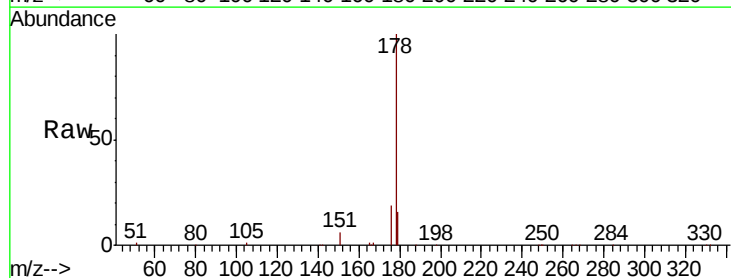
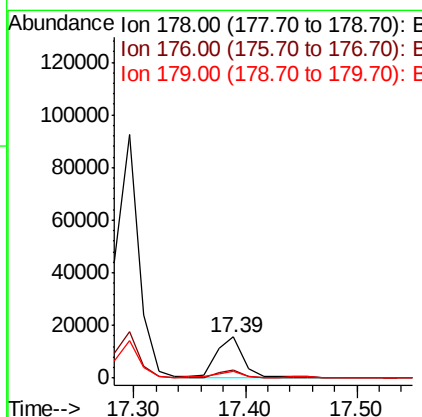
RT: 17.39 min Scan# 1132

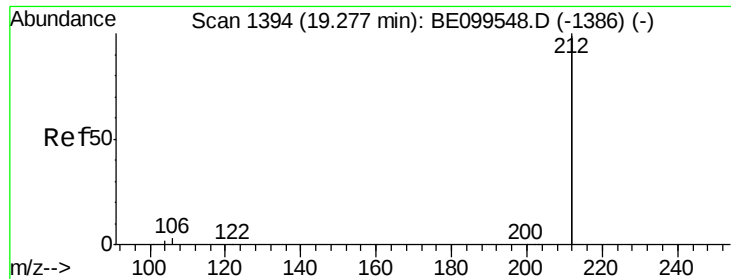
Delta R.T. 0.01 min

Lab File: BE099554.D

Acq: 6 May 2019 17:14

Tgt Ion:178	Resp:	25944
Ion Ratio	Lower	Upper
178	100	
176	19.0	14.9 22.3
179	16.2	11.9 17.9





#25

Fluoranthene-d10

Concen: 0.008 ng

RT: 19.29 min Scan# 1396

Delta R.T. 0.01 min

Lab File: BE099554.D

Acq: 6 May 2019 17:14

Instrument :

BNA_E

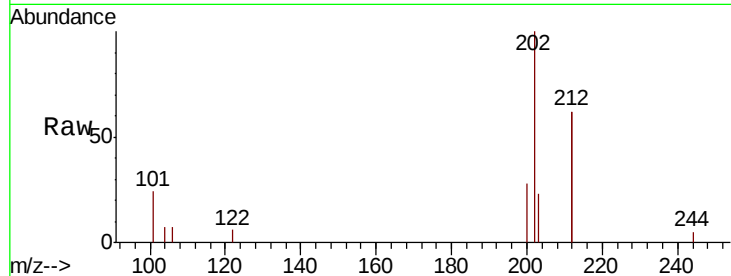
ClientSampleId :

EXT-004-SW068-042319DL

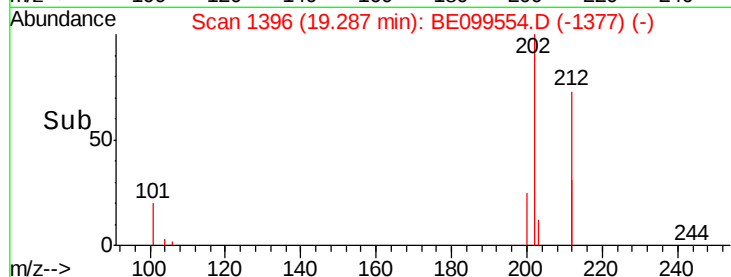
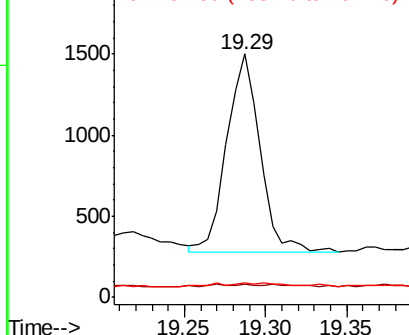
Tot Ion:	212	Resp:	1727
Ion Ratio	Lower	Upper	
212	100		
106	0.0	1.5	2.3#
104	3.5	0.9	1.3#

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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: 7.011 ng

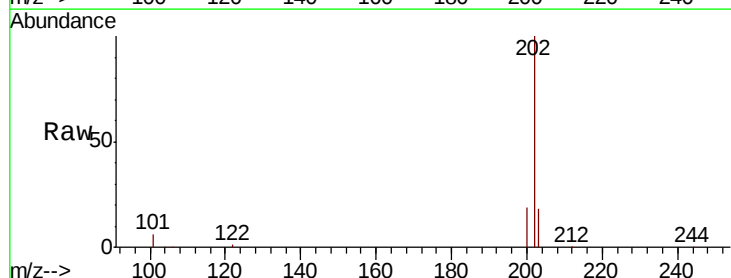
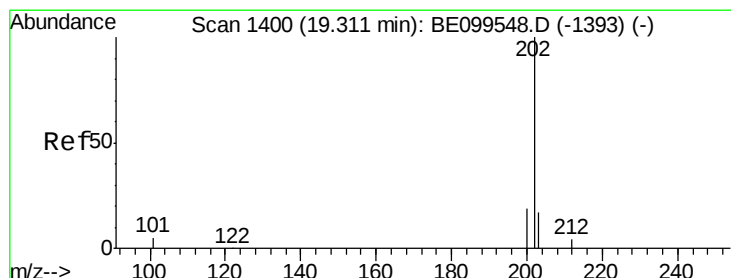
RT: 19.32 min Scan# 1401

Delta R.T. 0.00 min

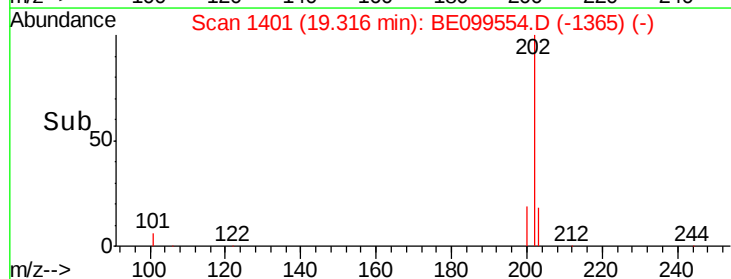
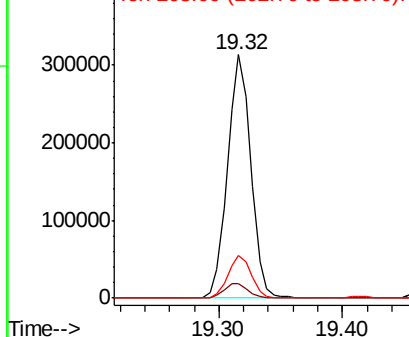
Lab File: BE099554.D

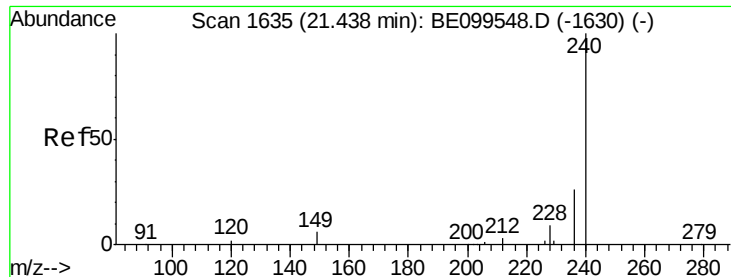
Acq: 6 May 2019 17:14

Tgt Ion:	202	Resp:	410408
Ion Ratio	Lower	Upper	
202	100		
101	6.2	5.4	8.0
203	17.4	13.9	20.9



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





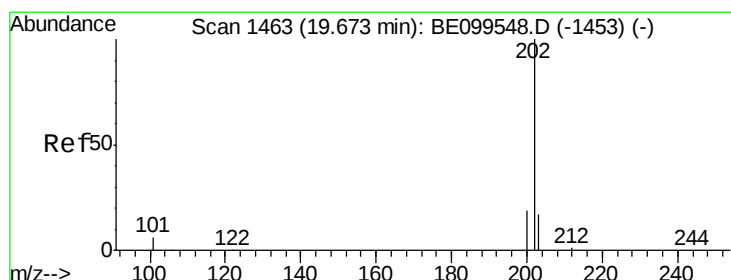
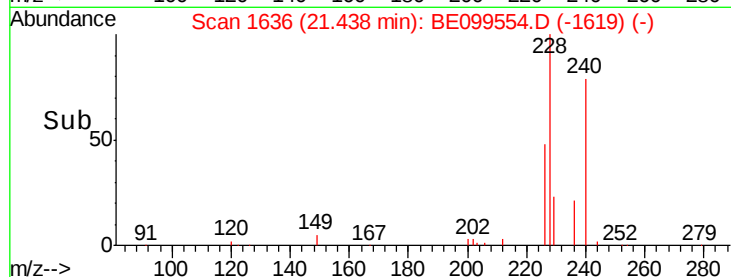
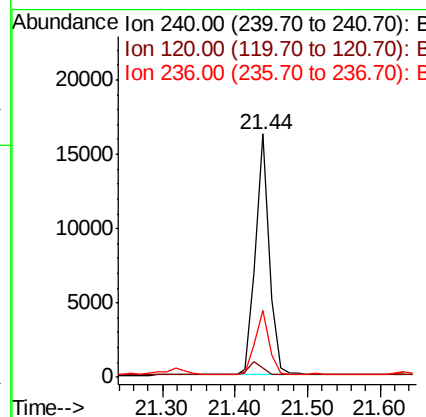
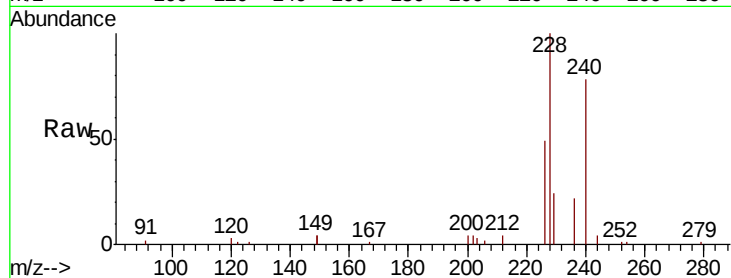
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.44 min Scan# 1636
Delta R.T. 0.00 min
Lab File: BE099554.D
Acq: 6 May 2019 17:14

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	3.9	4.0	6.0#
236	27.5	22.0	33.0

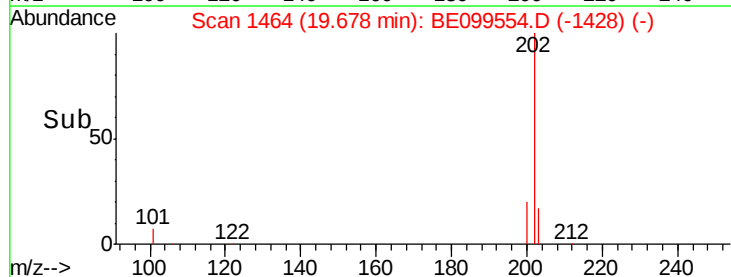
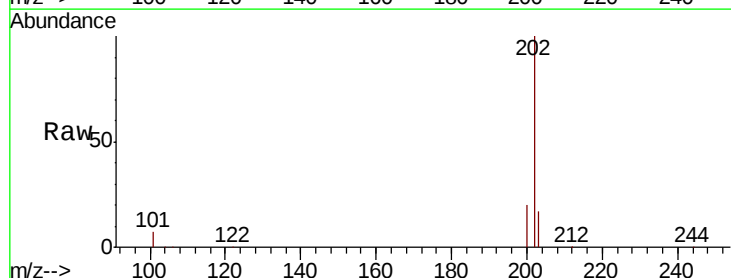
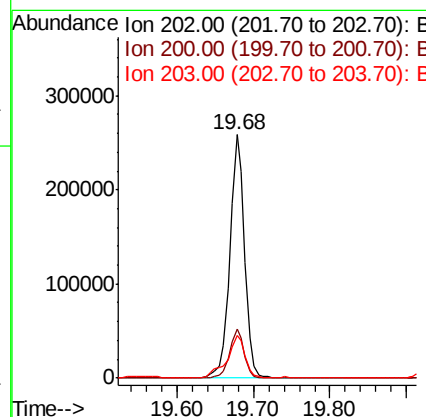
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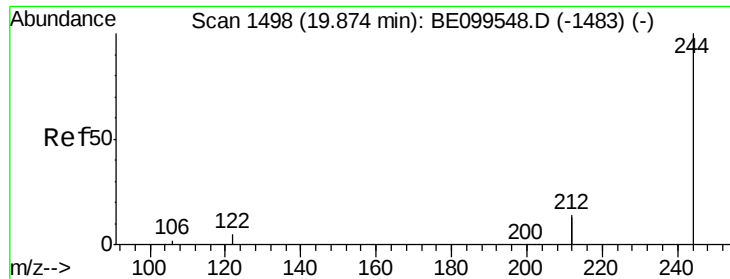
mohammad
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#28
Pyrene
Concen: 6.203 ng
RT: 19.68 min Scan# 1464
Delta R.T. 0.00 min
Lab File: BE099554.D
Acq: 6 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	21.4	13.9	20.9#





#29

Terphenyl-d14

Concen: 0.016 ng

RT: 19.88 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BE099554.D

Acq: 6 May 2019 17:14

Instrument :

BNA_E

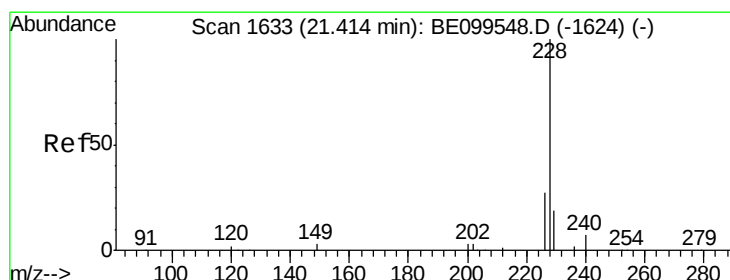
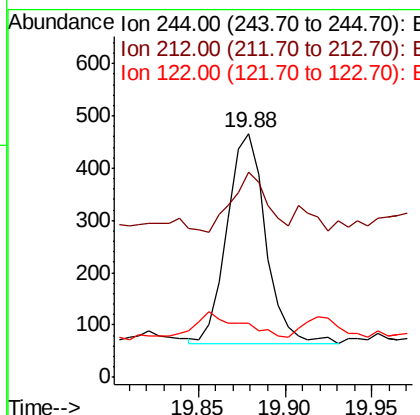
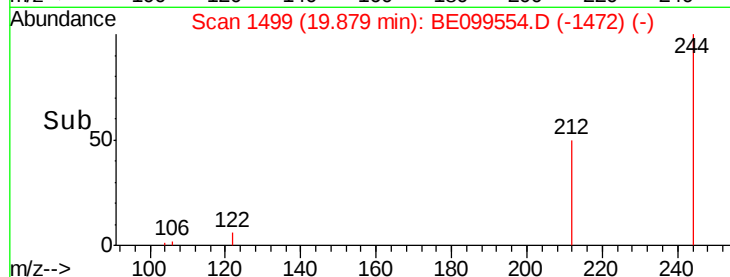
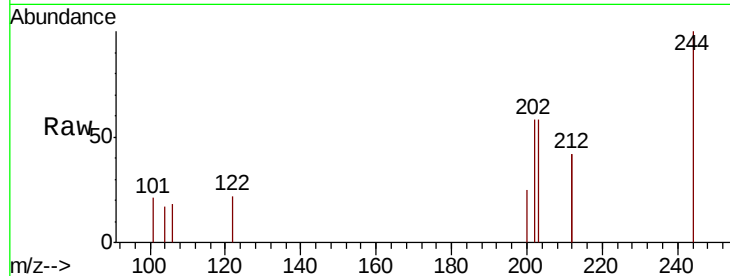
ClientSampleId :

EXT-004-SW068-042319DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	84.1	23.2	34.8#
122	22.3	4.2	6.4#

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#30

Benzo(a)anthracene

Concen: 2.922 ng

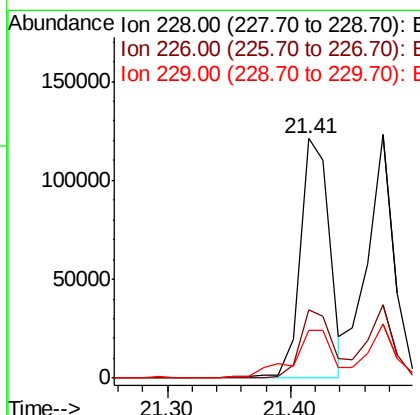
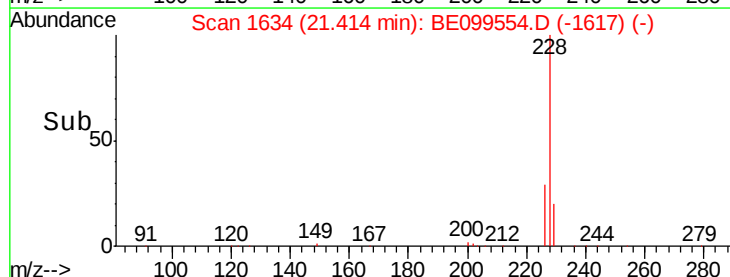
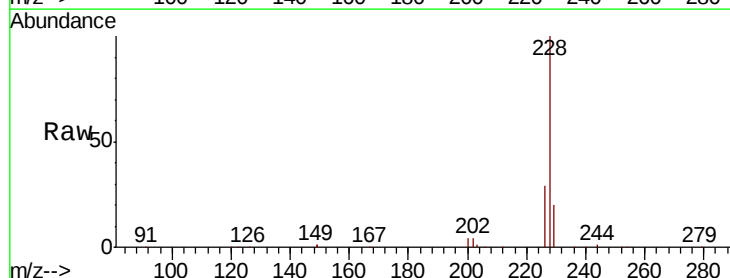
RT: 21.41 min Scan# 1634

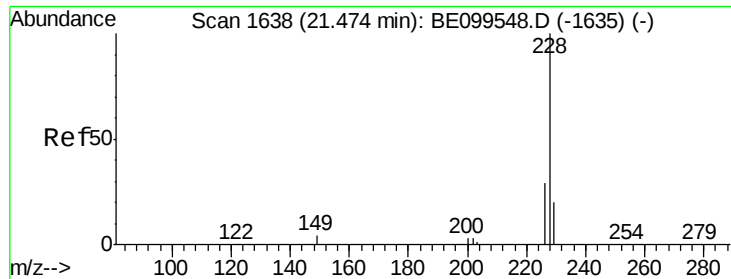
Delta R.T. 0.00 min

Lab File: BE099554.D

Acq: 6 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.0	31.6
229	19.9	16.6	25.0





#31

Chrysene

Concen: 2.741 ng/mL

RT: 21.47 min Scan# 1639

Delta R.T. 0.00 min

Lab File: BE099554.D

Acq: 6 May 2019 17:14

Instrument :

BNA_E

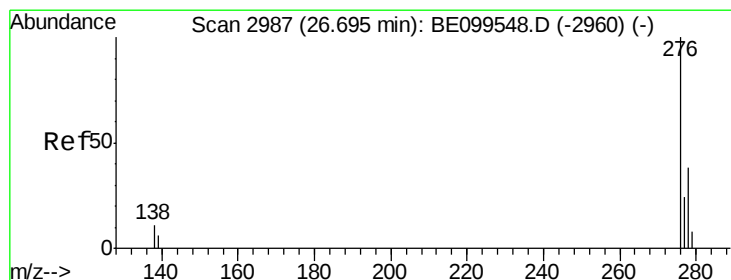
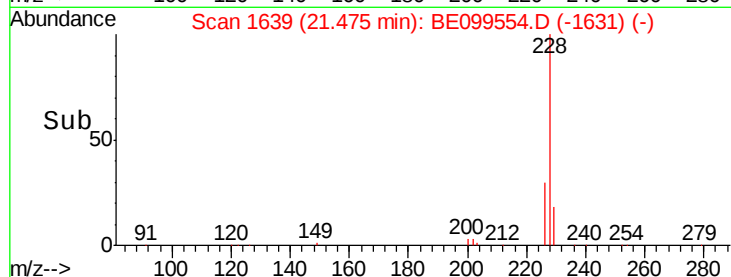
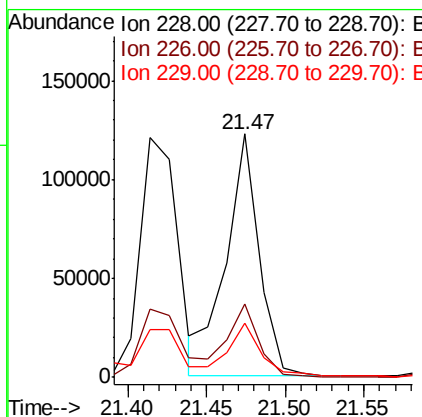
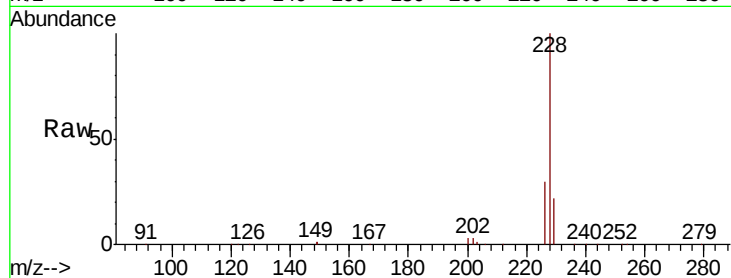
ClientSampleId :

EXT-004-SW068-042319DL

Tot Ion:	228	Resp:	183575
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.0	36.0
229	22.2	15.8	23.8

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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.391 ng/mL

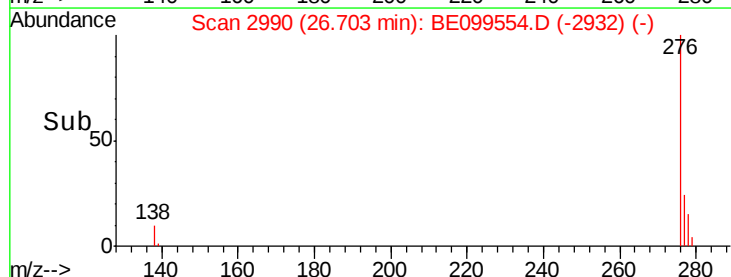
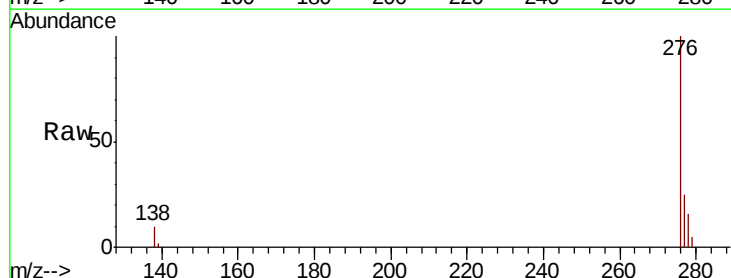
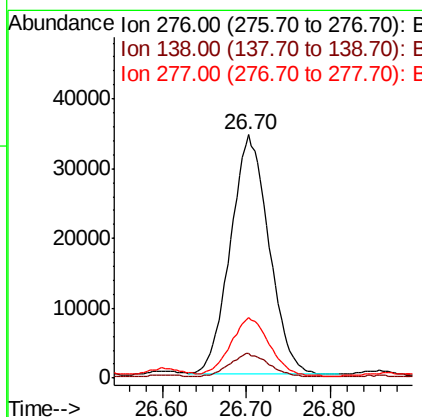
RT: 26.70 min Scan# 2990

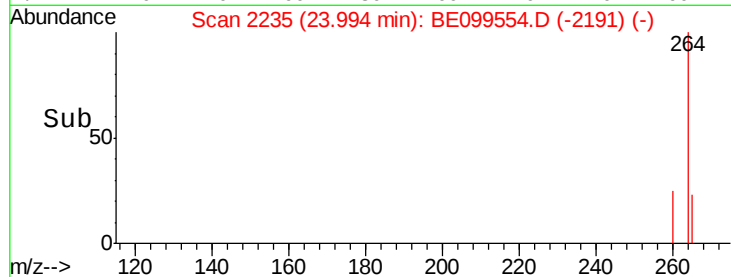
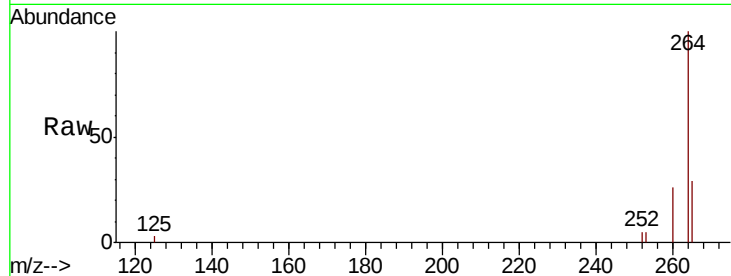
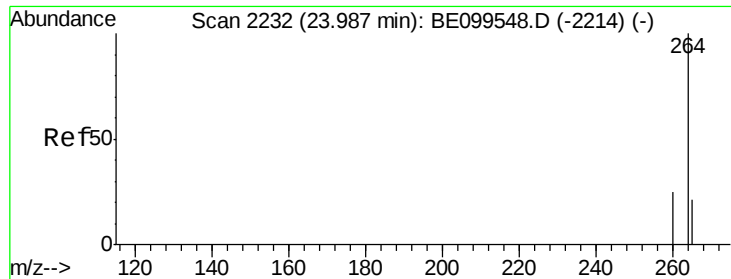
Delta R.T. 0.01 min

Lab File: BE099554.D

Acq: 6 May 2019 17:14

Tgt Ion:	276	Resp:	110077
Ion Ratio	Lower	Upper	
276	100		
138	9.9	10.2	15.2#
277	24.6	19.2	28.8





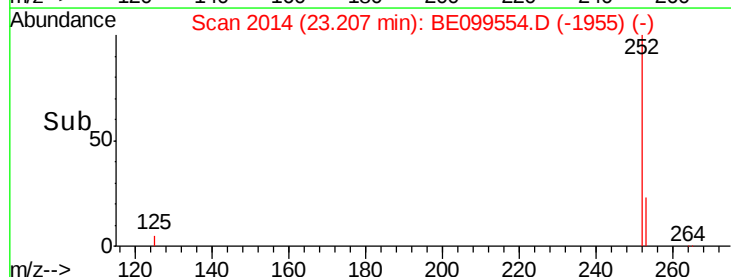
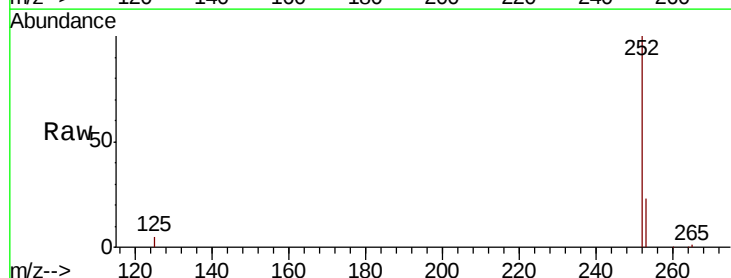
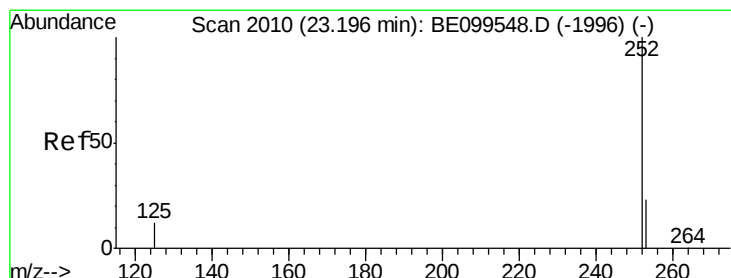
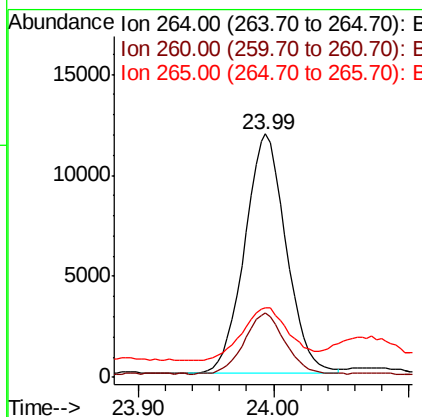
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.99 min Scan# 2235
 Delta R.T. 0.01 min
 Lab File: BE099554.D
 Acq: 6 May 2019 17:14

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.2	30.2
265	28.7	21.3	31.9

Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW068-042319DL

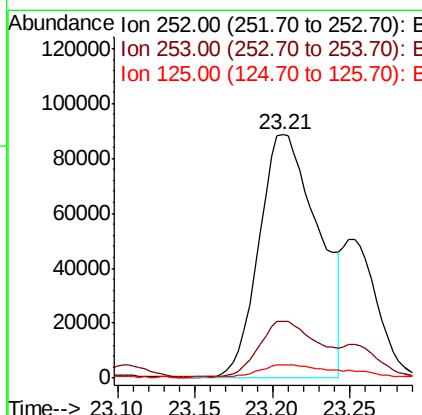
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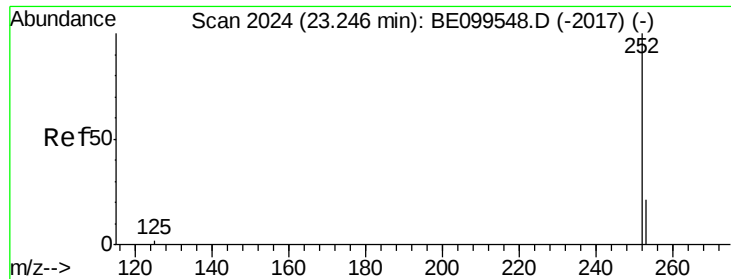
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 3.220 ng
 RT: 23.21 min Scan# 2014
 Delta R.T. 0.01 min
 Lab File: BE099554.D
 Acq: 6 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	5.3	5.6	8.4#





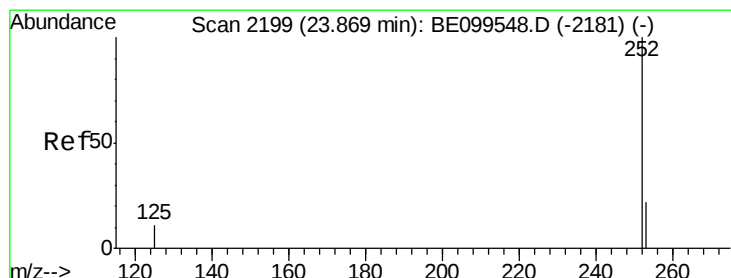
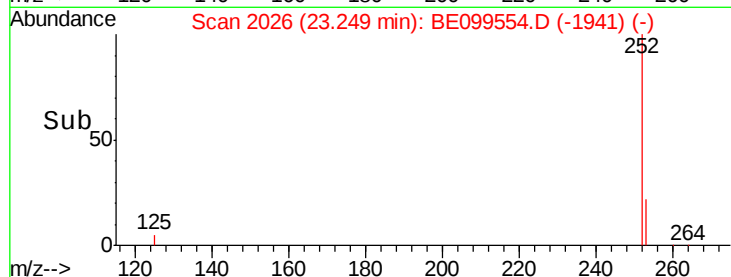
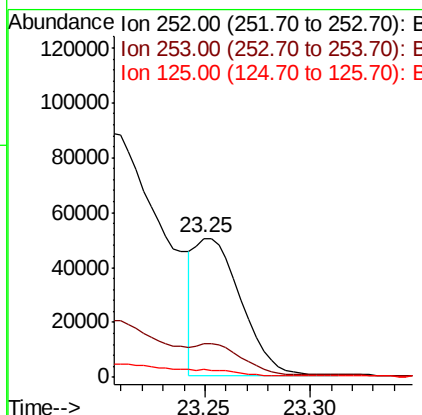
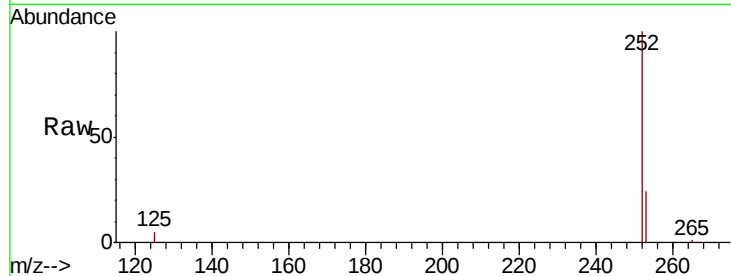
#36
Benzo(k)fluoranthene
Concen: 1.102 ng m
RT: 23.25 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BE099554.D
Acq: 6 May 2019 17:14

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tot Ion:252 Resp: 77449
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 5.4 5.0 7.4

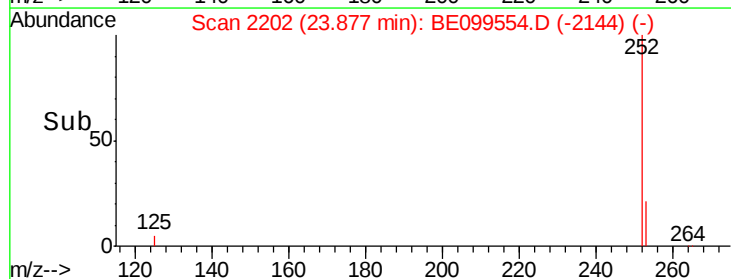
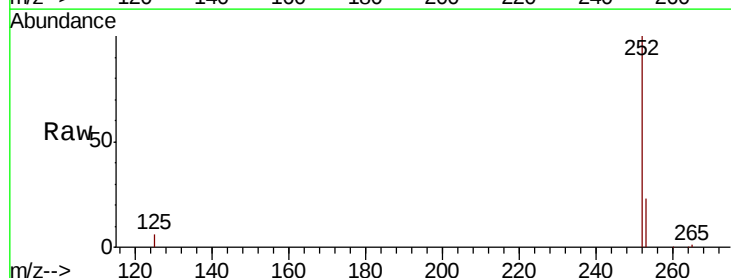
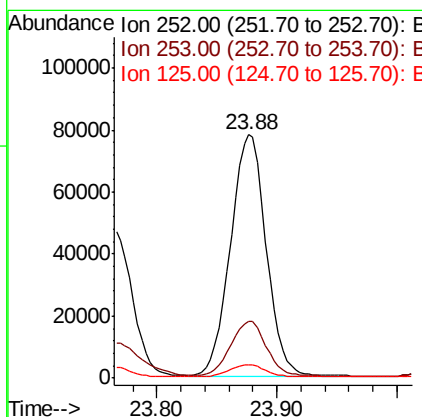
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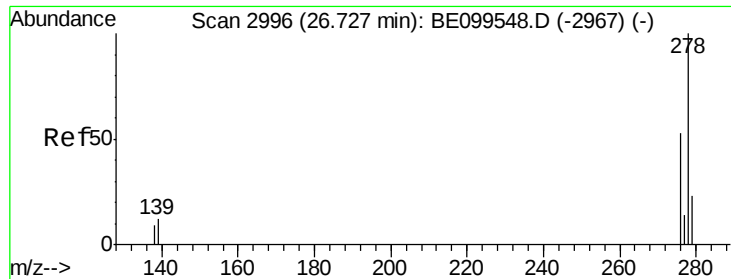
mohammad
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#37
Benzo(a)pyrene
Concen: 2.350 ng m
RT: 23.88 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BE099554.D
Acq: 6 May 2019 17:14

Tgt Ion:252 Resp: 161979
Ion Ratio Lower Upper
252 100
253 23.2 18.9 28.3
125 5.6 6.7 10.1#





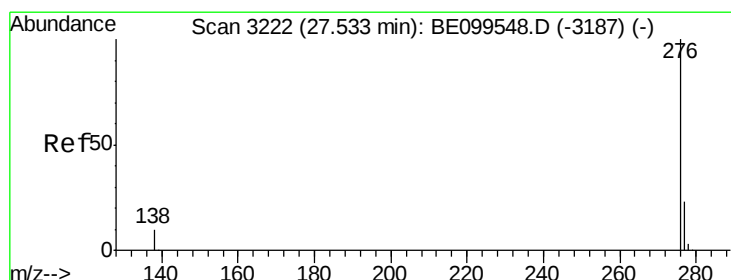
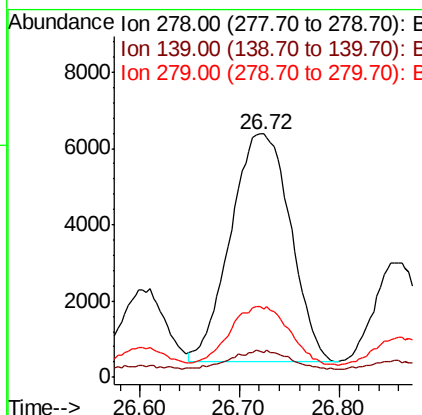
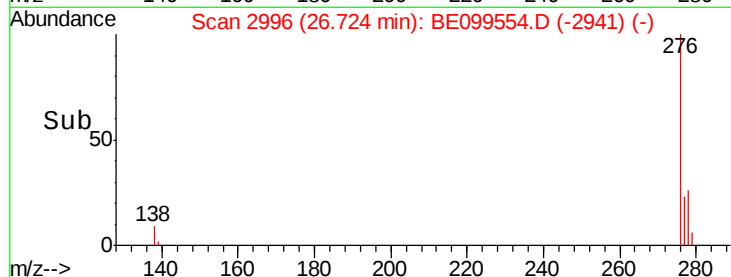
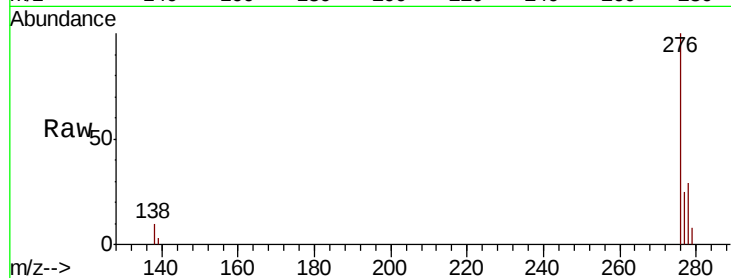
#38
Dibenzo(a,h)anthracene
Concen: 0.355 ng
RT: 26.72 min Scan# 2996
Delta R.T. -0.00 min
Lab File: BE099554.D
Acq: 6 May 2019 17:14

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW068-042319DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.4	7.7	11.5
279	28.2	20.2	30.2

Manual Integrations
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5/7/2019 3:11:16 PM



#39
Benzo(g,h,i)perylene
Concen: 1.422 ng
RT: 27.54 min Scan# 3226
Delta R.T. 0.01 min
Lab File: BE099554.D
Acq: 6 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.5	29.3
138	10.4	9.6	14.4

