

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099442.D
 Acq On : 1 May 2019 1:15
 Operator : JU/SJ
 Sample : K2568-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-074-SW056-042219

Manual Integrations
 APPROVED

Sohil
 5/1/2019 12:03:13 PM

Quant Time: May 01 02:32:32 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 29 18:36:43 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	2545	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	9862	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	7522	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	24868	0.40	ng	0.00
27) Chrysene-d12	21.37	240	32313	0.40	ng	0.00
34) Perylene-d12	23.86	264	37275	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.38	112	2425	0.34	ng	0.00
5) Phenol-d6	6.97	99	3541	0.38	ng	0.00
8) Nitrobenzene-d5	8.96	82	2720	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5003	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1732	0.37	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	7380	0.26	ng	-0.01
25) Fluoranthene-d10	19.22	212	81233	0.24	ng	0.00
29) Terphenyl-d14	19.81	244	16408	0.28	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	4569	0.043	ng	# 96
12) 2-Methylnaphthalene	12.27	142	890	0.048	ng	# 87
16) Acenaphthylene	14.18	152	4051	0.110	ng	# 94
18) Fluorene	15.49	166	1349	0.044	ng	# 95
23) Phenanthrene	17.23	178	28987	0.452	ng	# 99
24) Anthracene	17.32	178	3521	0.058	ng	# 91
26) Fluoranthene	19.25	202	78497	0.817	ng	# 99
28) Pyrene	19.61	202	76230	0.905	ng	# 97
30) Benzo(a)anthracene	21.34	228	47525	0.462	ng	# 94
31) Chrysene	21.40	228	51927	0.515	ng	# 97
32) Bis(2-ethylhexyl)phthalate	21.26	149	63711	0.367	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.50	276	34874	0.293	ng	# 99
35) Benzo(b)fluoranthene	23.09	252	67364	0.627	ng	# 90
36) Benzo(k)fluoranthene	23.14	252	22536m	0.217	ng	# 91
37) Benzo(a)pyrene	23.75	252	45122	0.444	ng	# 91
38) Dibenzo(a,h)anthracene	26.52	278	8914	0.086	ng	# 57
39) Benzo(g,h,i)perylene	27.32	276	34760	0.334	ng	# 96

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

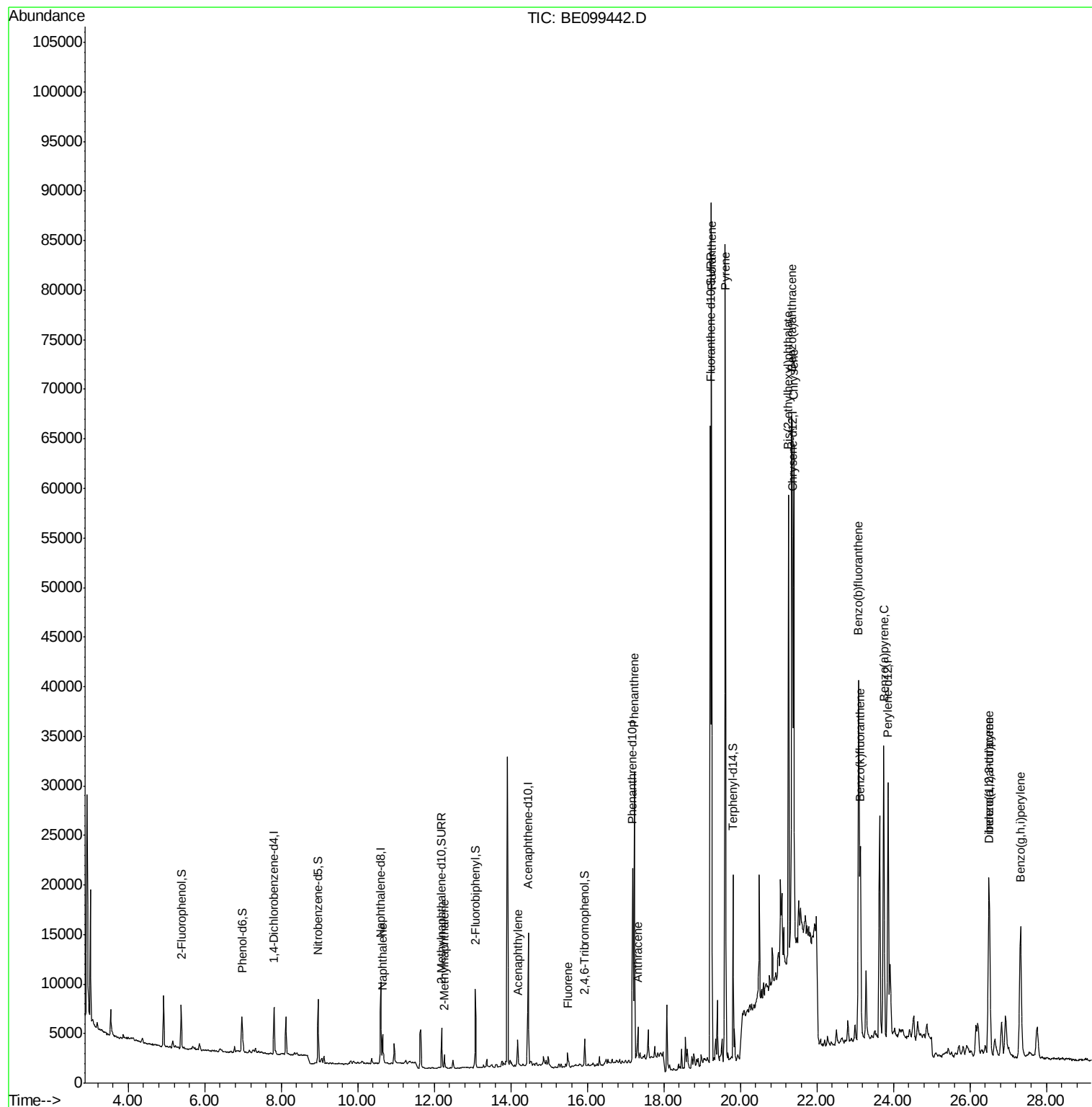
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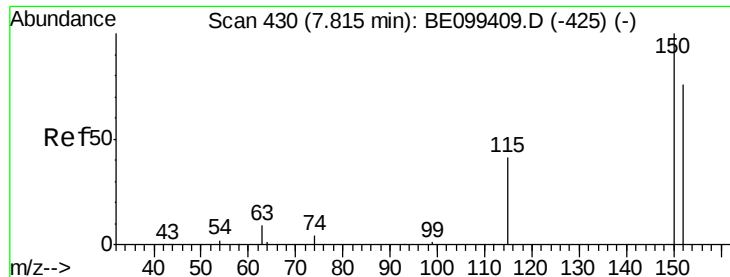
Instrument :
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EXT-074-SW056-042219

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QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099442.D

Acq: 1 May 2019 1:15

Instrument :

BNA_E

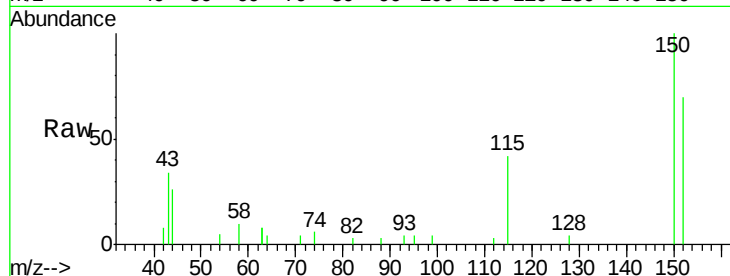
ClientSampleId :

EXT-074-SW056-042219

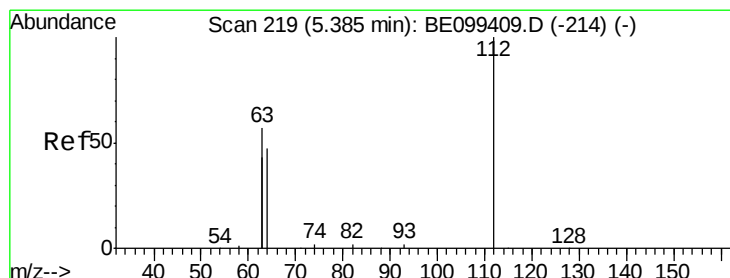
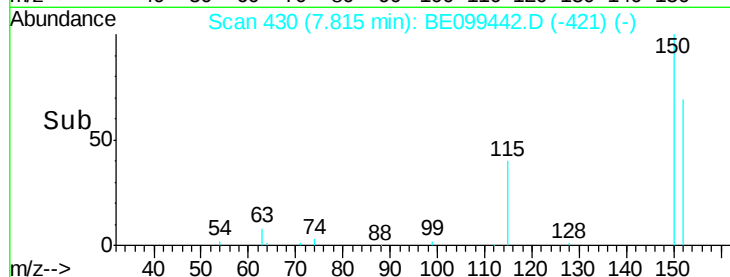
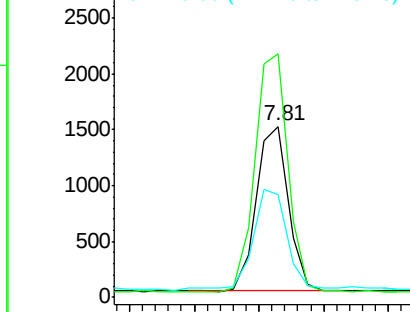
Tgt Ion:	152	Resp:	2545
Ion Ratio	Lower	Upper	
152	100		
150	142.6	104.8	157.2
115	60.1	46.6	69.8

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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: 0.345 ng

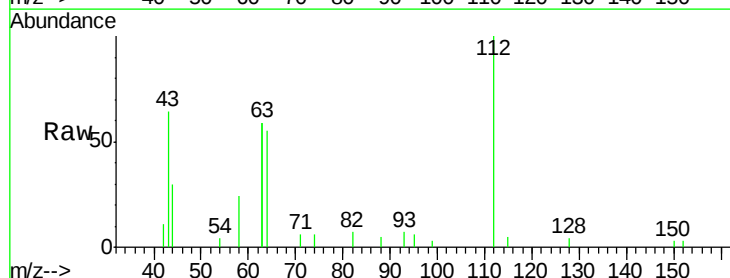
RT: 5.38 min Scan# 219

Delta R.T. -0.00 min

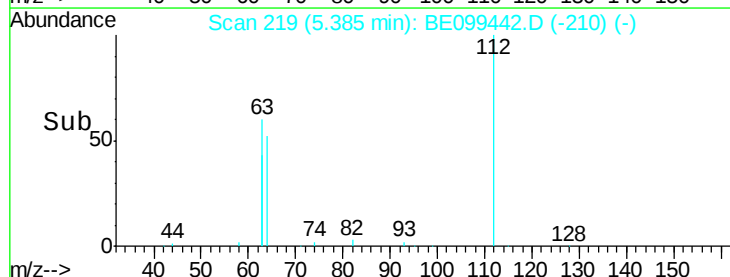
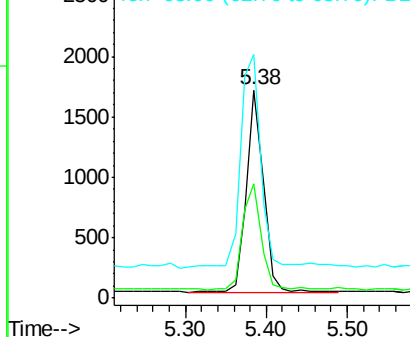
Lab File: BE099442.D

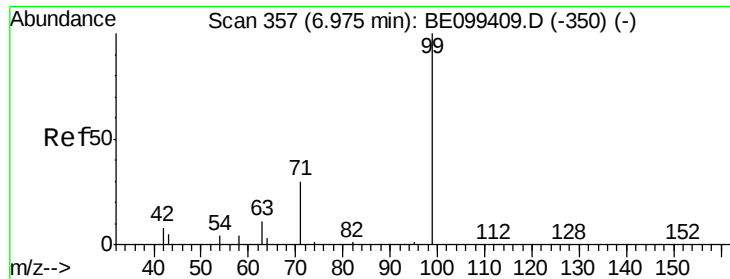
Acq: 1 May 2019 1:15

Tgt Ion:	112	Resp:	2425
Ion Ratio	Lower	Upper	
112	100		
64	57.2	47.4	71.0
63	122.0	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: 0.378 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099442.D

Acq: 1 May 2019 1:15

Instrument :

BNA_E

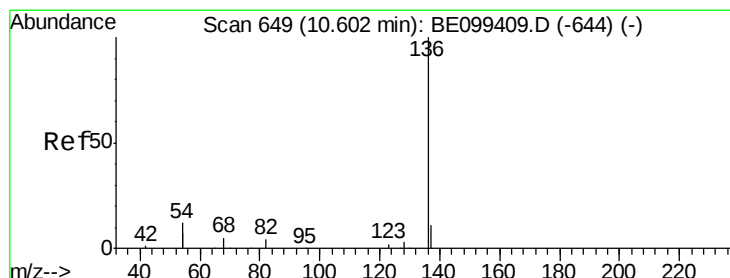
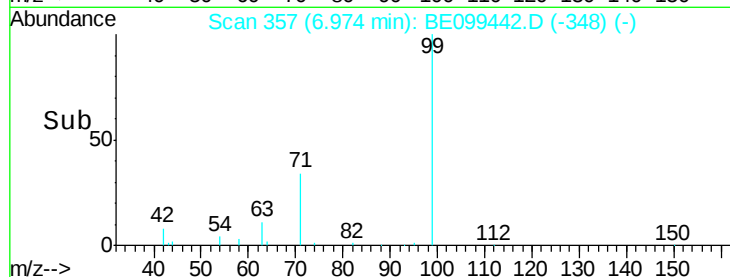
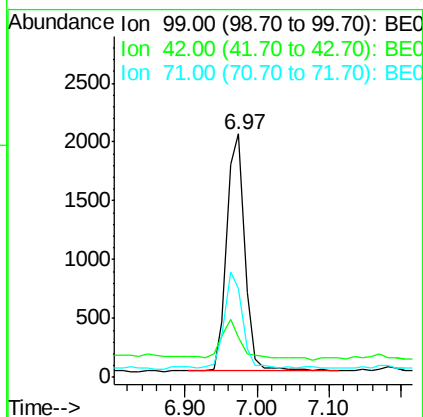
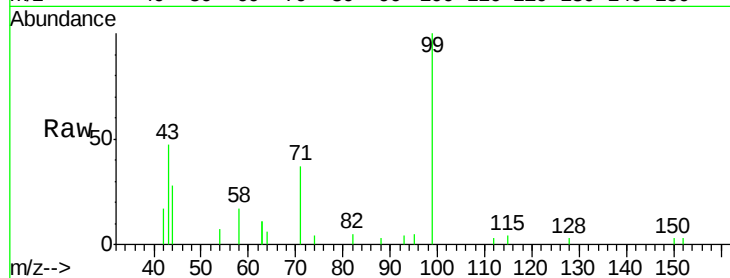
ClientSampleId :

EXT-074-SW056-042219

Tgt Ion:	99	Resp:	3541
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.9	22.3
71	39.0	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

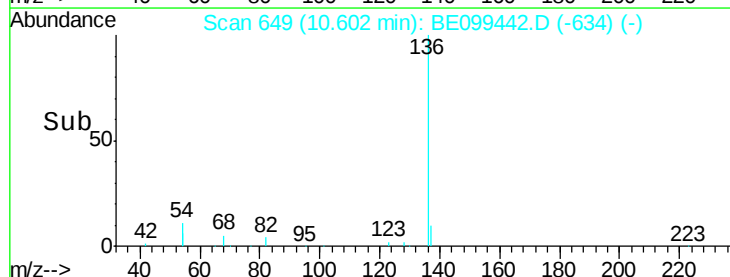
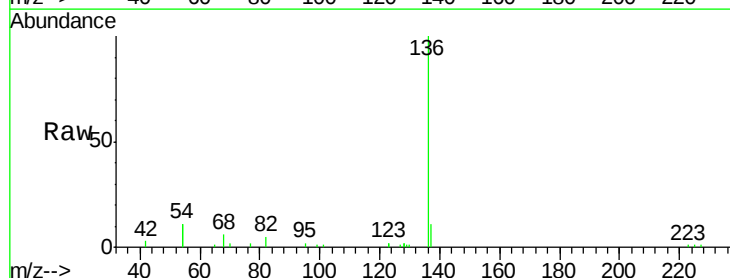
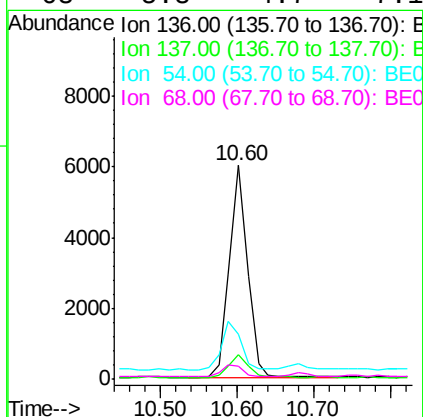
RT: 10.60 min Scan# 649

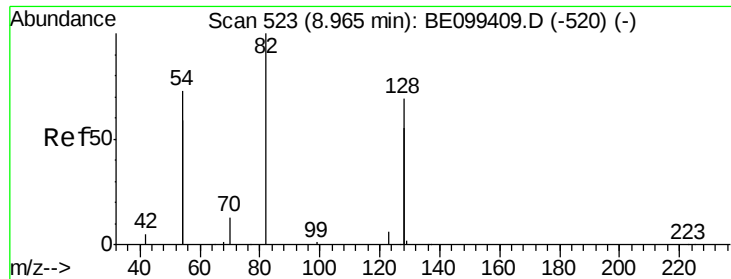
Delta R.T. -0.00 min

Lab File: BE099442.D

Acq: 1 May 2019 1:15

Tgt Ion:	136	Resp:	9862
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.8	14.8
54	21.0	18.5	27.7
68	5.8	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.294 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099442.D

Acq: 1 May 2019 1:15

Instrument :

BNA_E

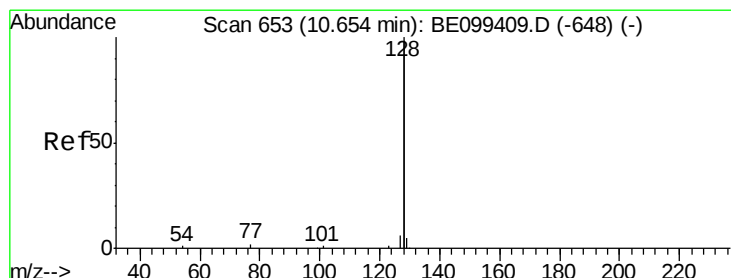
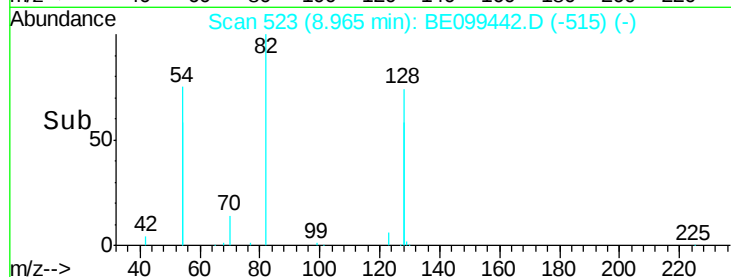
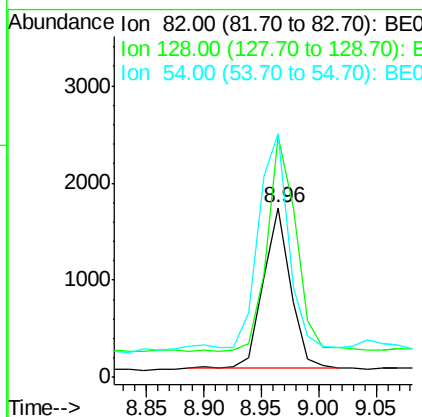
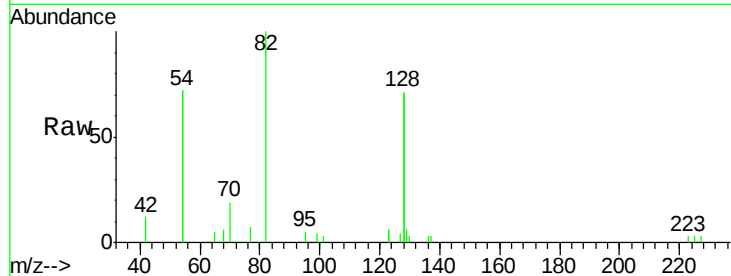
ClientSampleId :

EXT-074-SW056-042219

Tgt Ion:	82	Resp:	2720
Ion Ratio	Lower	Upper	
82	100		
128	141.6	107.0	160.4
54	143.3	113.1	169.7

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#9

Naphthalene

Concen: 0.043 ng

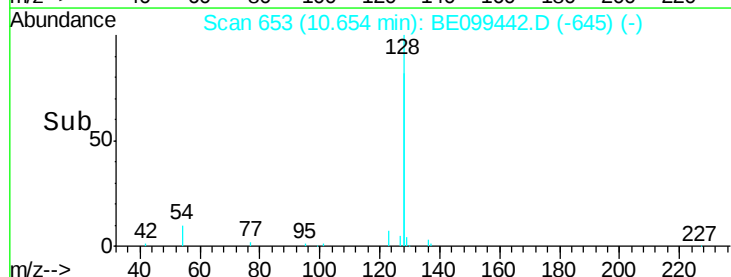
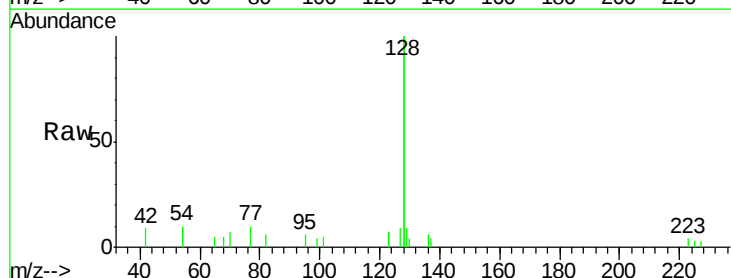
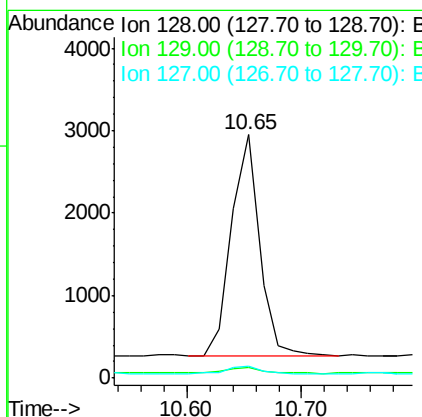
RT: 10.65 min Scan# 653

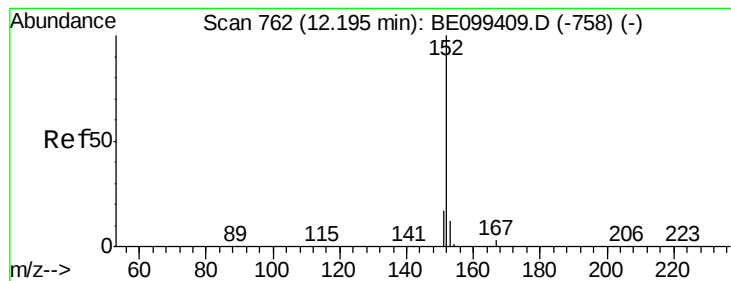
Delta R.T. -0.00 min

Lab File: BE099442.D

Acq: 1 May 2019 1:15

Tgt Ion:	128	Resp:	4569
Ion Ratio	Lower	Upper	
128	100		
129	4.3	2.4	3.6#
127	4.7	2.8	4.2#





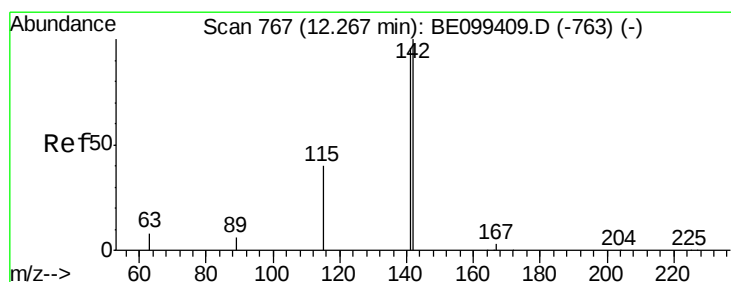
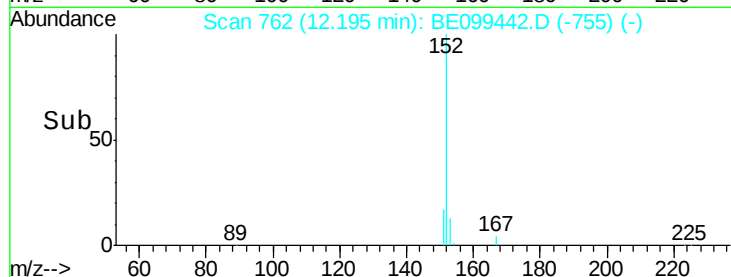
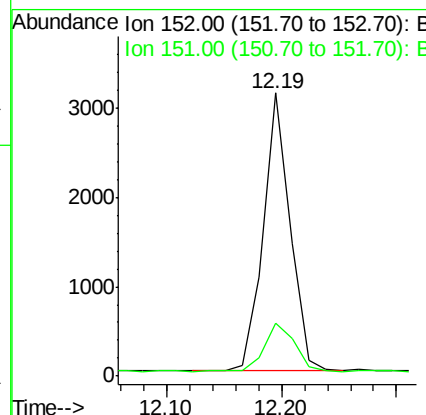
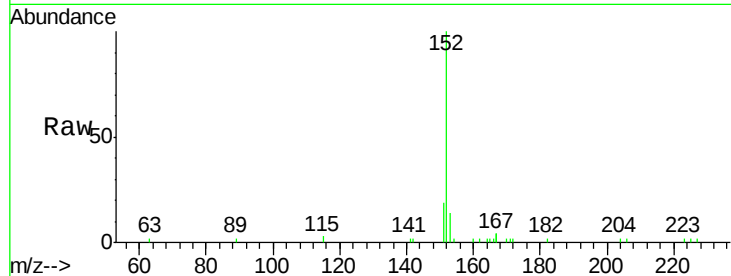
#11
 2-Methylnaphthalene-d10
 Concen: 0.282 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099442.D
 Acq: 1 May 2019 1:15

Instrument :
 BNA_E
 ClientSampleId :
 EXT-074-SW056-042219

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3

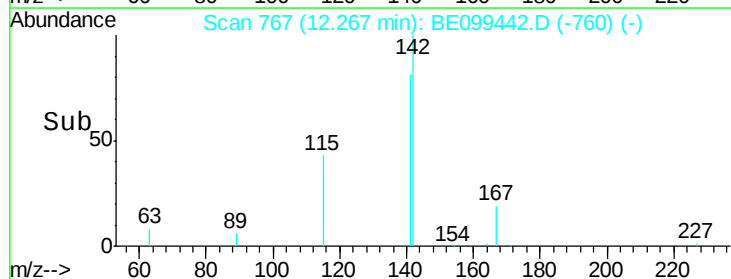
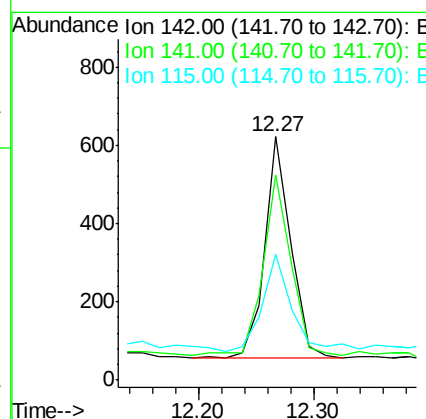
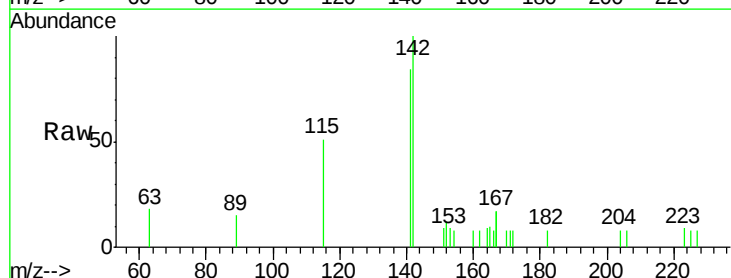
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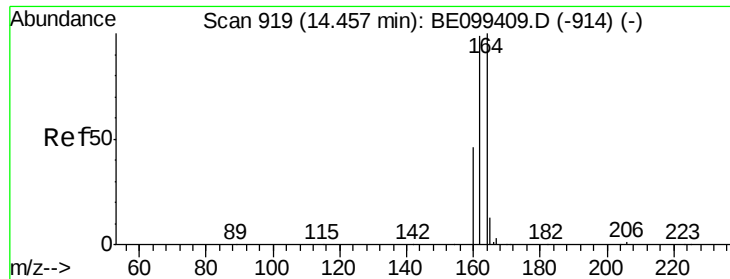
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#12
 2-Methylnaphthalene
 Concen: 0.048 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099442.D
 Acq: 1 May 2019 1:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.1	77.0	115.4
115	51.4	33.4	50.0#





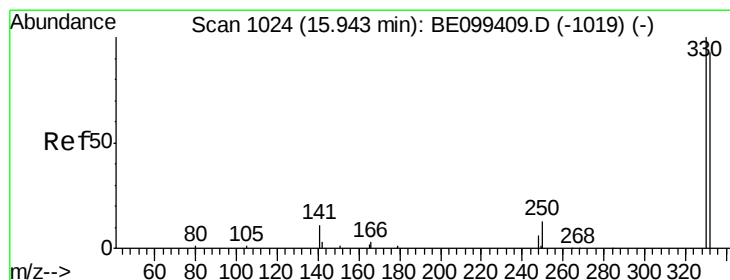
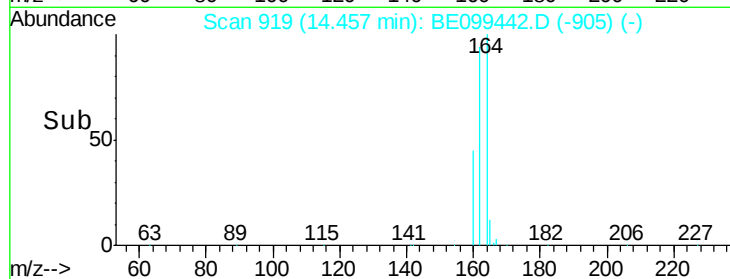
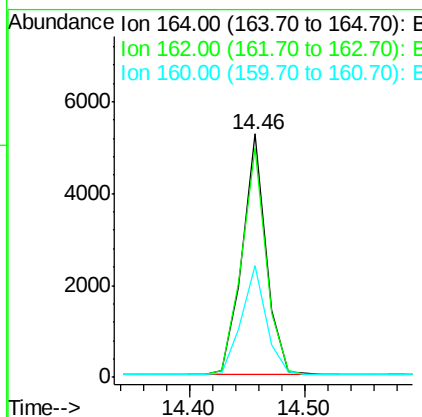
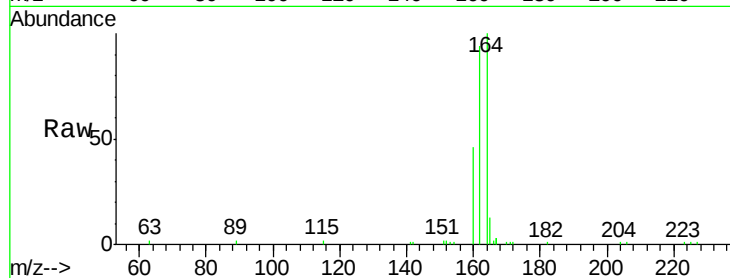
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099442.D
 Acq: 1 May 2019 1:15

Instrument :
 BNA_E
 ClientSampleId :
 EXT-074-SW056-042219

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.3	79.0	118.4
160	45.8	37.0	55.4

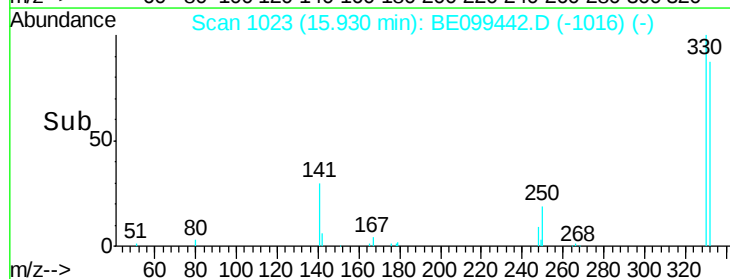
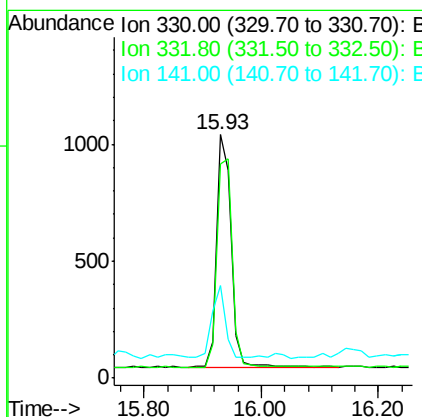
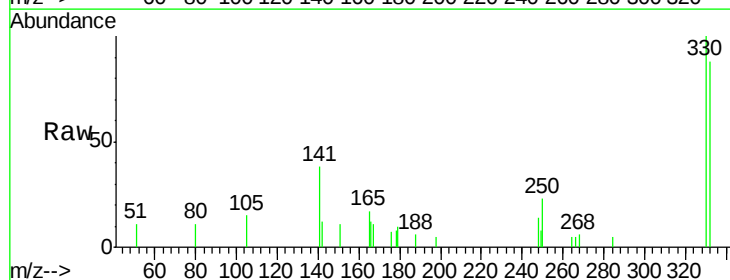
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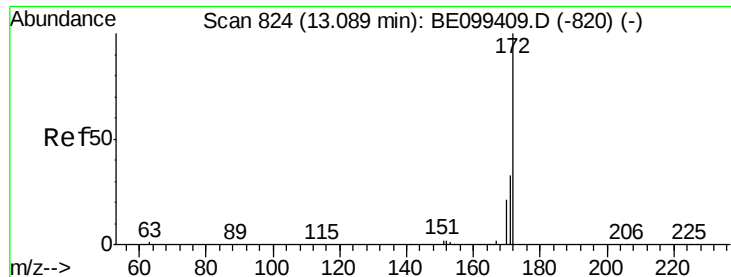
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#14
 2,4,6-Tribromophenol
 Concen: 0.366 ng
 RT: 15.93 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BE099442.D
 Acq: 1 May 2019 1:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	71.5	107.3
141	28.6	24.0	36.0





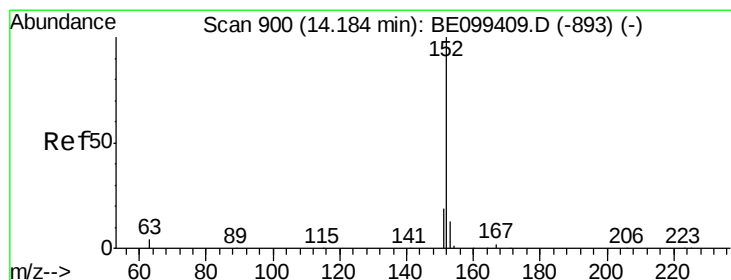
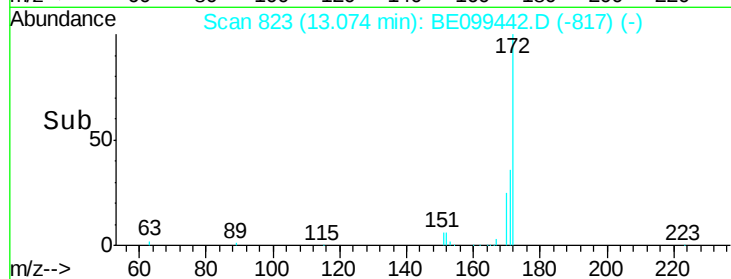
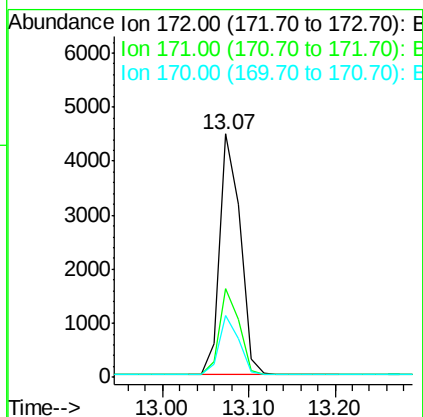
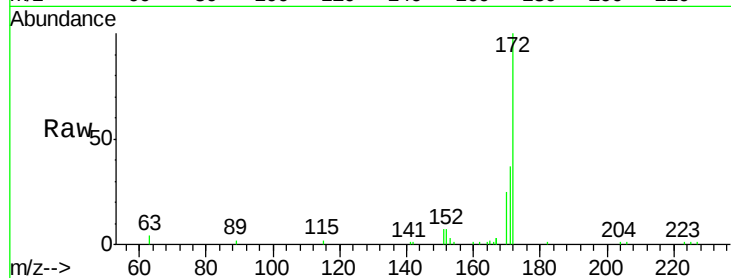
#15
2-Fluorobiphenyl
Concen: 0.257 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099442.D
Acq: 1 May 2019 1:15

Instrument :
BNA_E
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EXT-074-SW056-042219

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	26.6	39.8
170	25.4	17.0	25.6

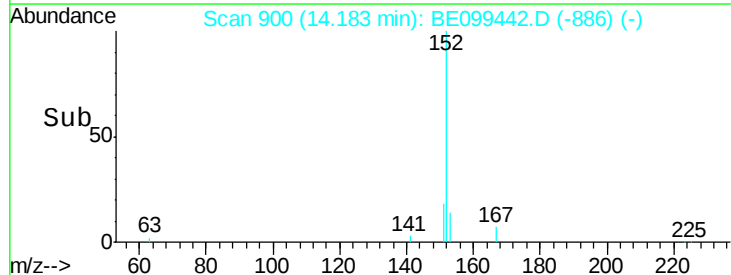
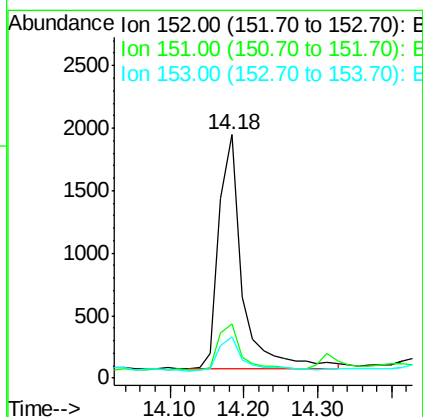
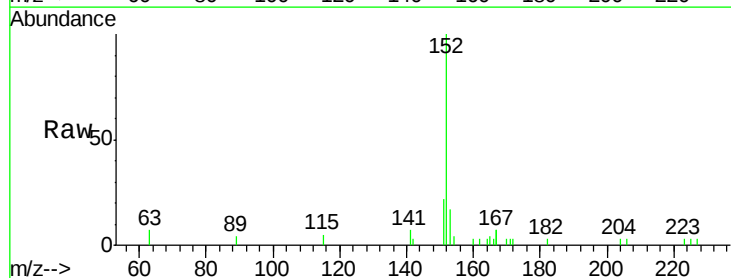
Manual Integrations
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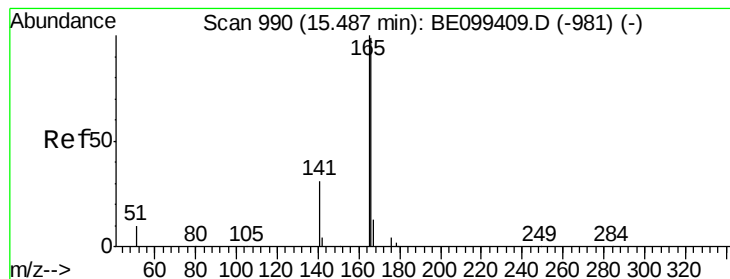
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#16
Acenaphthylene
Concen: 0.110 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099442.D
Acq: 1 May 2019 1:15

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.4	23.2
153	15.7	9.8	14.6#





#18

Fluorene

Concen: 0.044 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099442.D

Acq: 1 May 2019 1:15

Instrument :

BNA_E

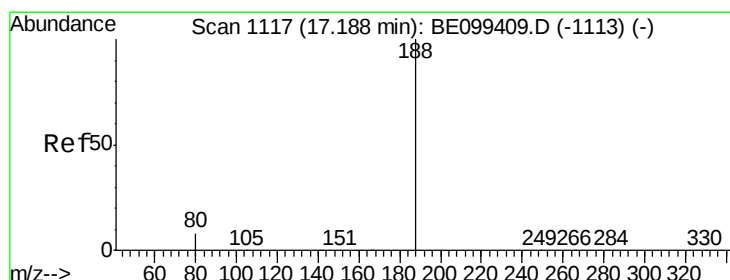
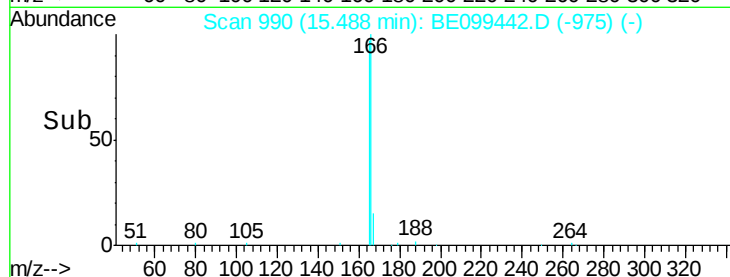
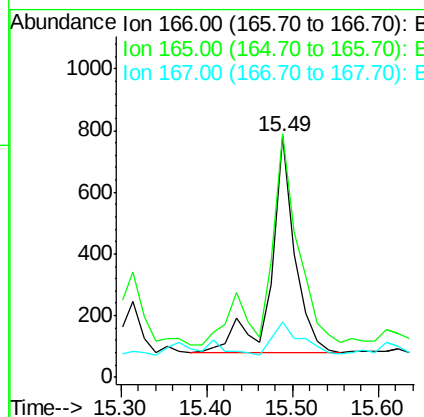
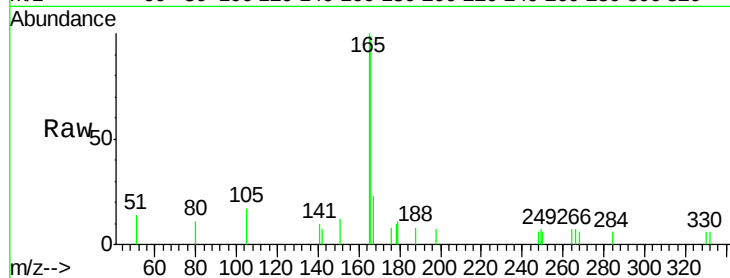
ClientSampleId :

EXT-074-SW056-042219

Tgt Ion:	166	Resp:	1349
Ion Ratio	Lower	Upper	
166	100		
165	95.6	80.3	120.5
167	17.0	10.7	16.1#

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#19

Phenanthrene-d10

Concen: 0.400 ng

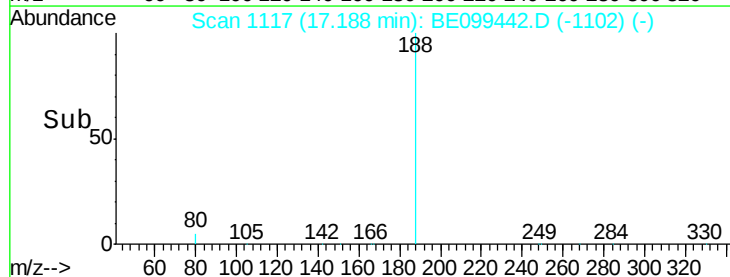
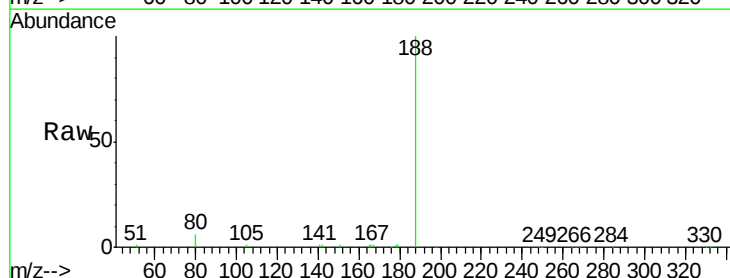
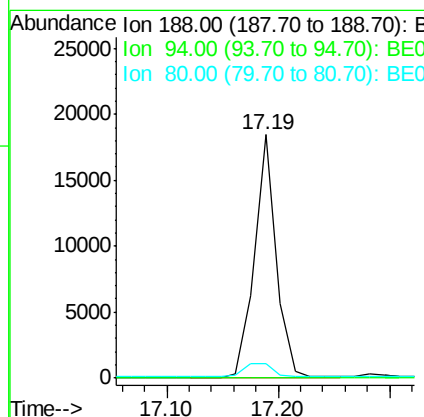
RT: 17.19 min Scan# 1117

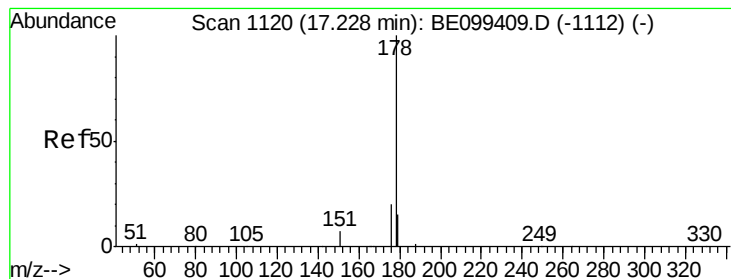
Delta R.T. 0.00 min

Lab File: BE099442.D

Acq: 1 May 2019 1:15

Tgt Ion:	188	Resp:	24868
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.1	6.7	10.1#





#23

Phenanthrene

Concen: 0.452 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099442.D

Acq: 1 May 2019 1:15

Instrument :

BNA_E

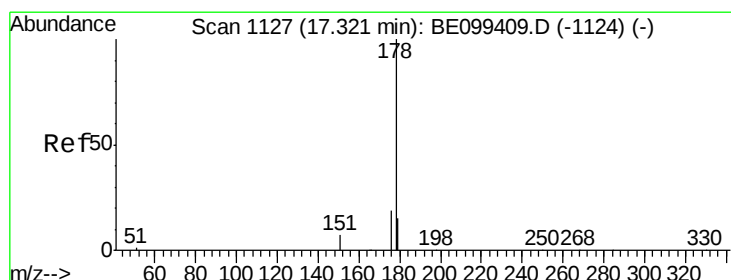
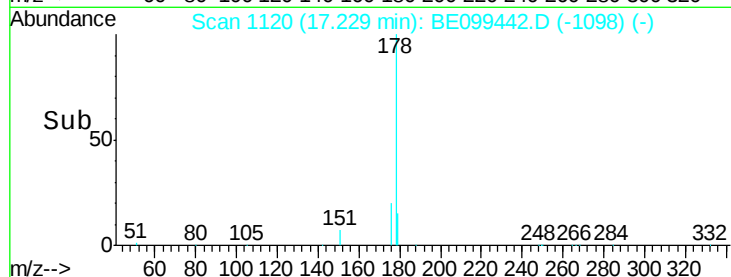
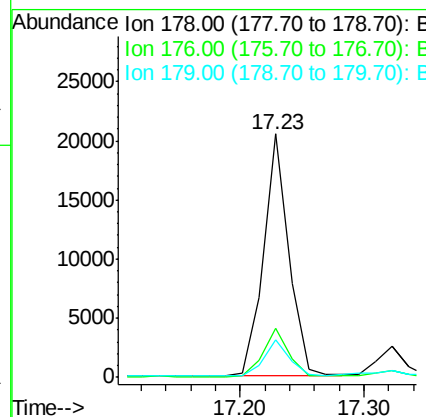
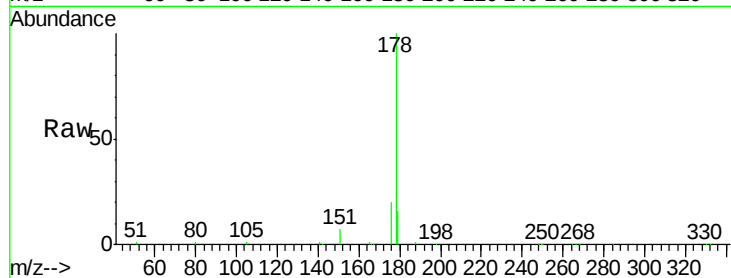
ClientSampleId :

EXT-074-SW056-042219

Tgt Ion:	178	Resp:	28987
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.6	23.4
179	15.4	12.0	18.0

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#24

Anthracene

Concen: 0.058 ng

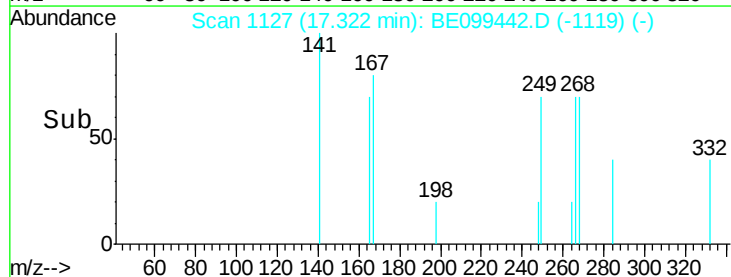
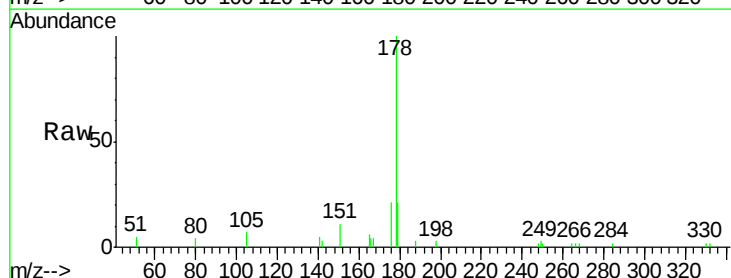
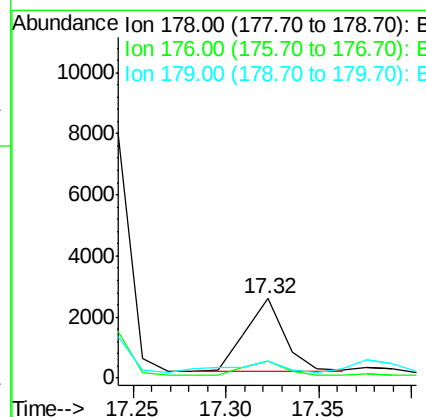
RT: 17.32 min Scan# 1127

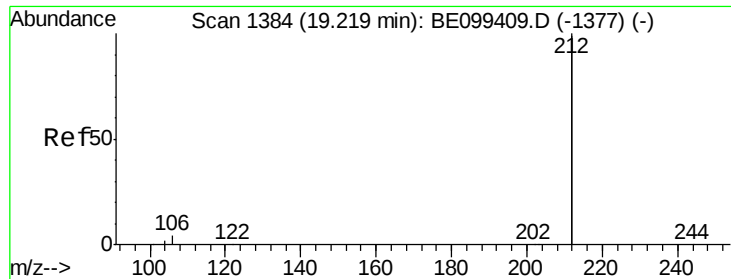
Delta R.T. 0.00 min

Lab File: BE099442.D

Acq: 1 May 2019 1:15

Tgt Ion:	178	Resp:	3521
Ion Ratio	Lower	Upper	
178	100		
176	19.8	14.9	22.3
179	21.6	11.9	17.9#





#25

Fluoranthene-d10

Concen: 0.242 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099442.D

Acq: 1 May 2019 1:15

Instrument :

BNA_E

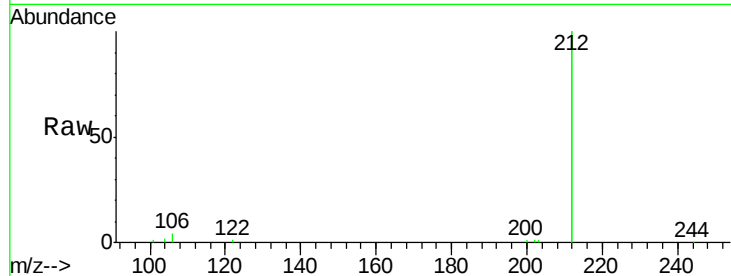
ClientSampleId :

EXT-074-SW056-042219

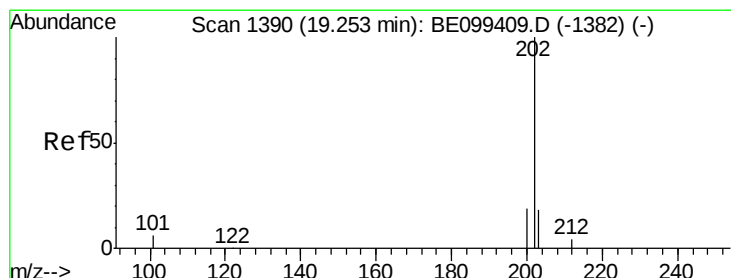
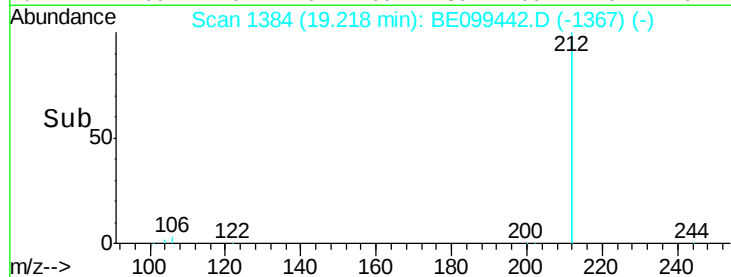
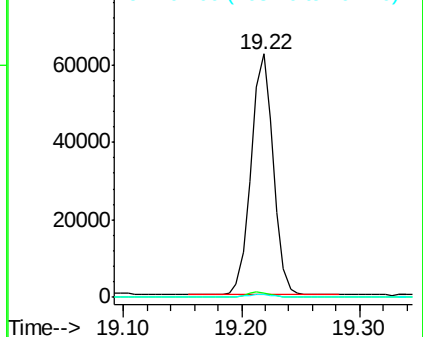
Tgt Ion	Ratio	Resp	Lower	Upper
212	100	81233		
106	1.9		1.5	2.3
104	1.2		0.9	1.3

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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: 0.817 ng

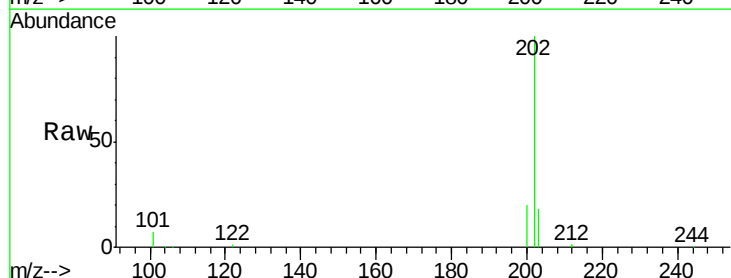
RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

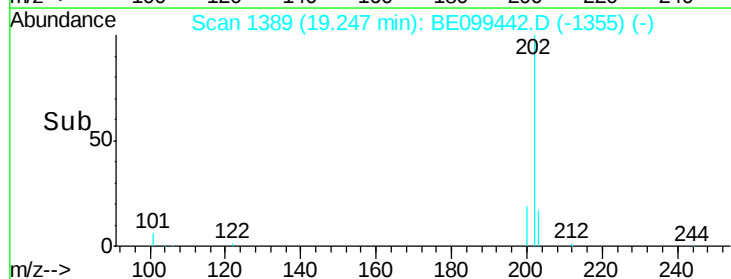
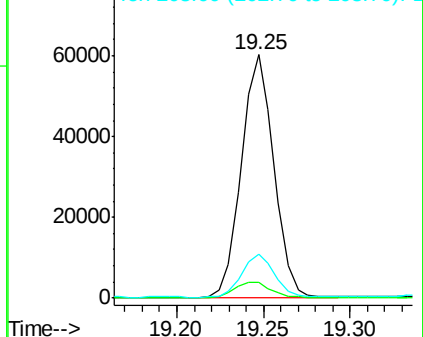
Lab File: BE099442.D

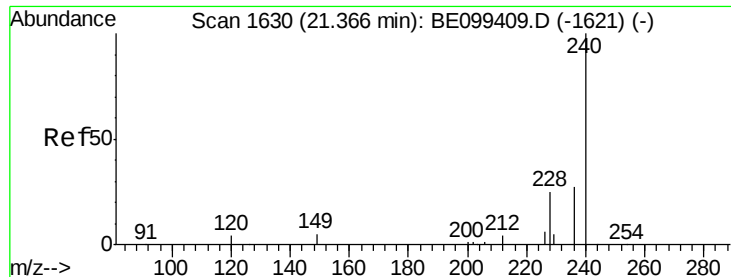
Acq: 1 May 2019 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	78497		
101	7.1		5.4	8.0
203	17.5		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





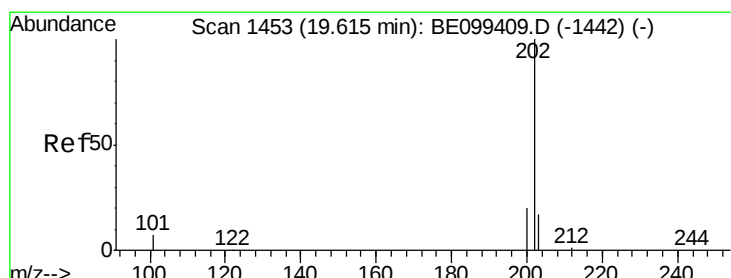
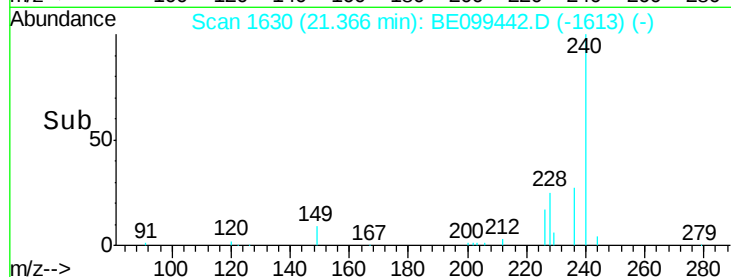
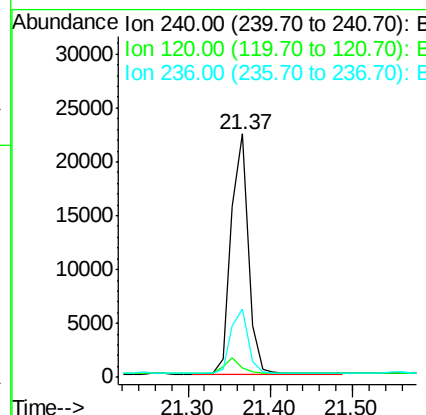
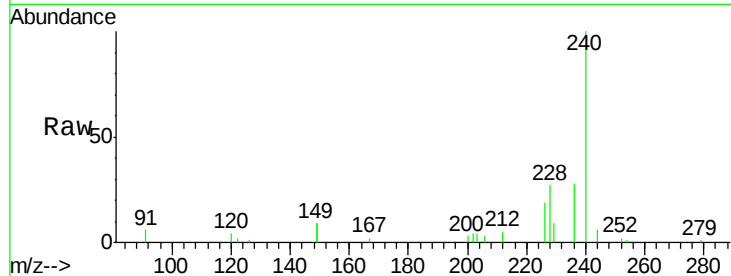
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099442.D
Acq: 1 May 2019 1:15

Instrument :
BNA_E
ClientSampleId :
EXT-074-SW056-042219

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.0	4.0	6.0
236	27.8	22.0	33.0

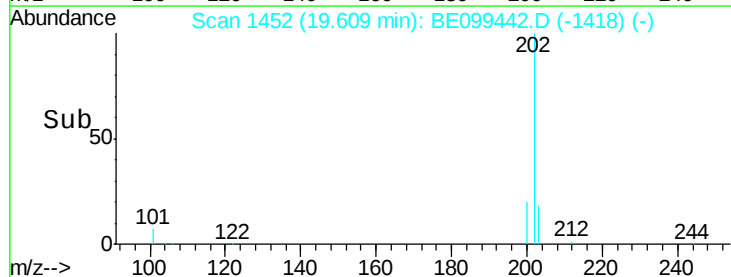
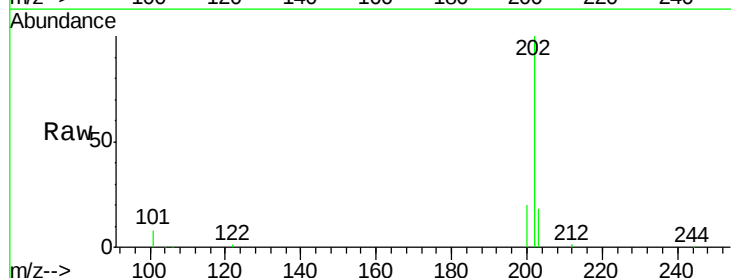
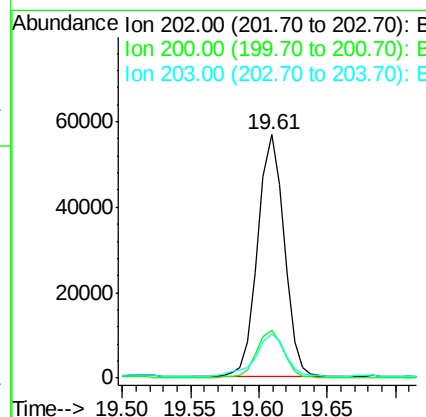
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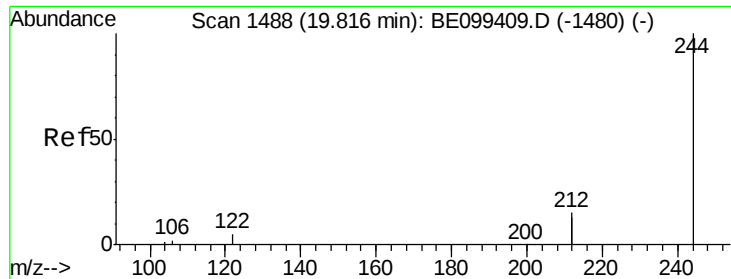
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#28
Pyrene
Concen: 0.905 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099442.D
Acq: 1 May 2019 1:15

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	20.2	13.9	20.9





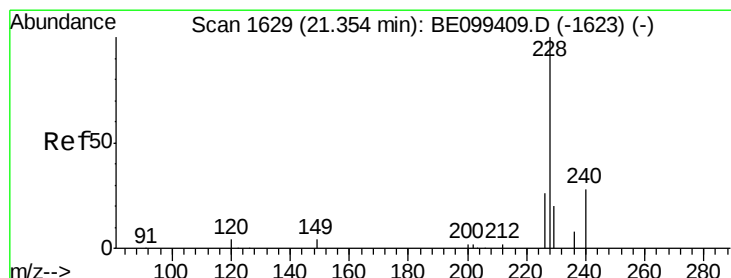
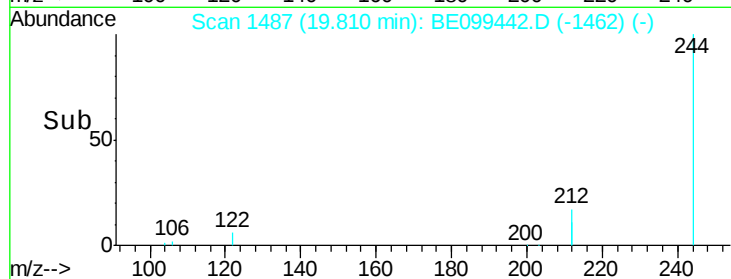
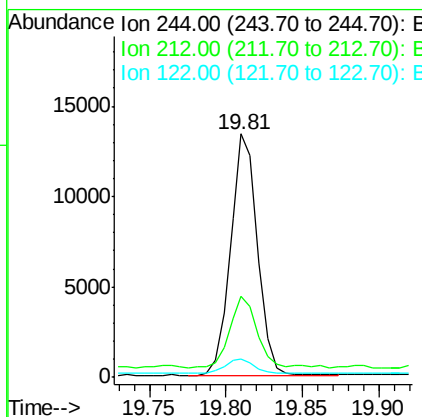
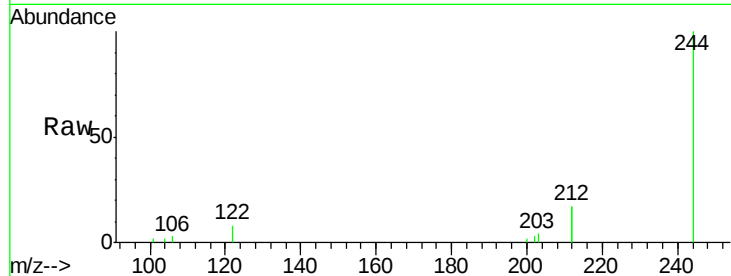
#29
 Terphenyl-d14
 Concen: 0.277 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099442.D
 Acq: 1 May 2019 1:15

Instrument :
 BNA_E
 ClientSampleId :
 EXT-074-SW056-042219

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	16408		
212	33.1	23.2	34.8	
122	7.7	4.2	6.4	

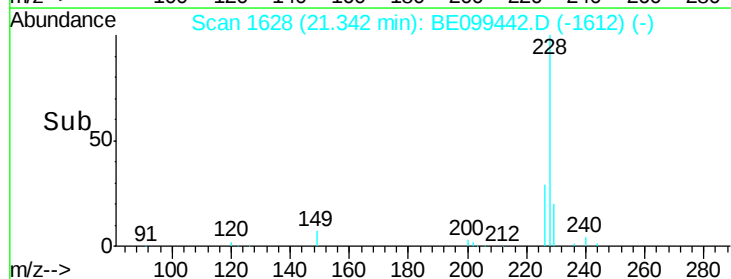
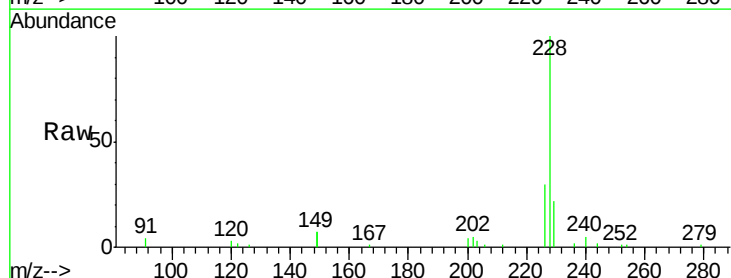
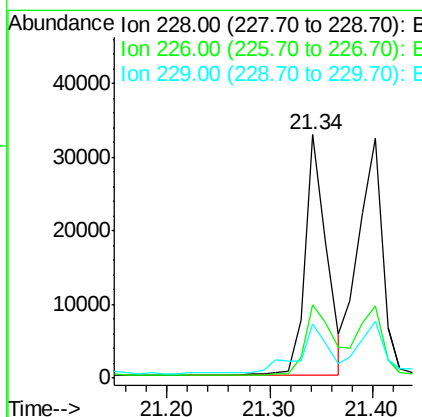
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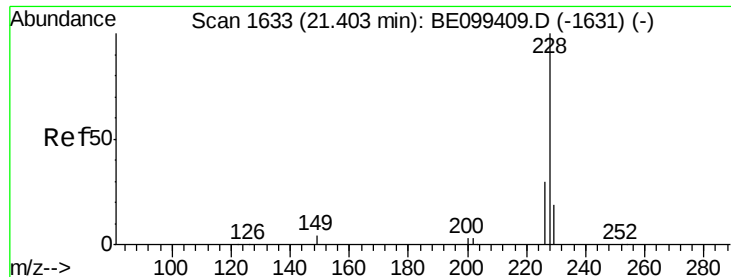
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#30
 Benzo(a)anthracene
 Concen: 0.462 ng
 RT: 21.34 min Scan# 1628
 Delta R.T. -0.01 min
 Lab File: BE099442.D
 Acq: 1 May 2019 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	47525		
226	30.2	21.0	31.6	
229	22.2	16.6	25.0	





#31

Chrysene

Concen: 0.515 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099442.D

Acq: 1 May 2019 1:15

Instrument :

BNA_E

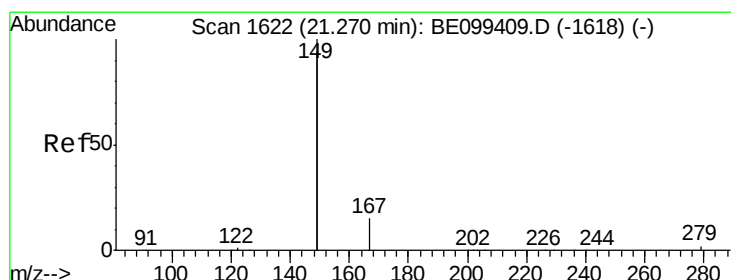
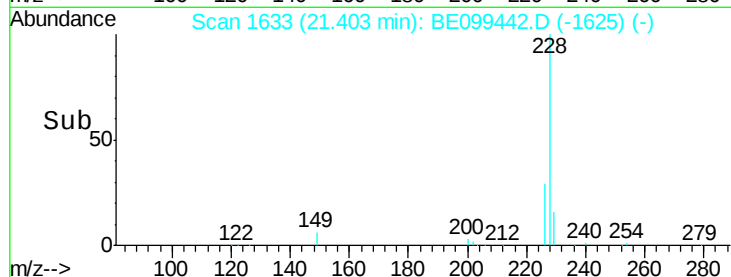
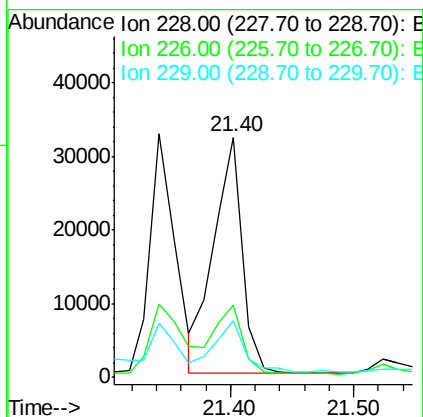
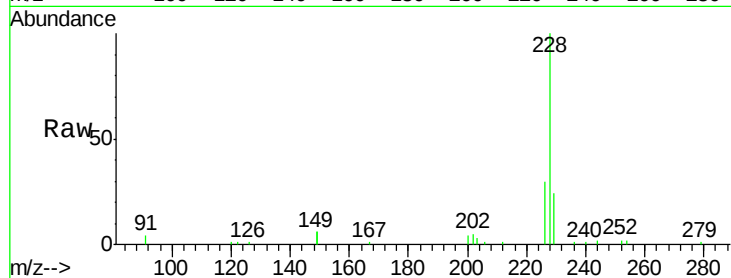
ClientSampleId :

EXT-074-SW056-042219

Tgt Ion:	228	Resp:	51927
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.0	36.0
229	23.5	15.8	23.8

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.367 ng

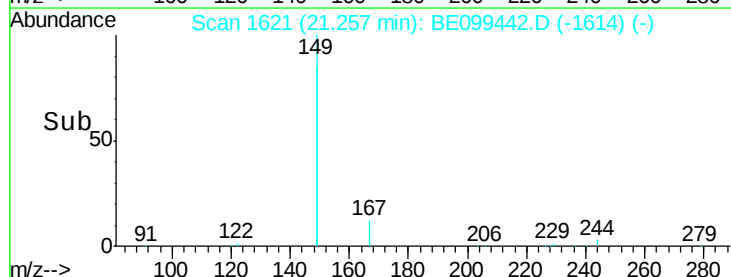
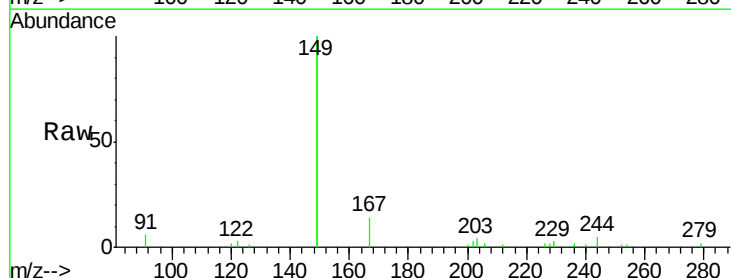
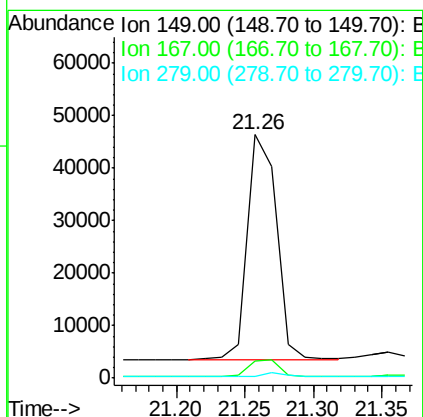
RT: 21.26 min Scan# 1621

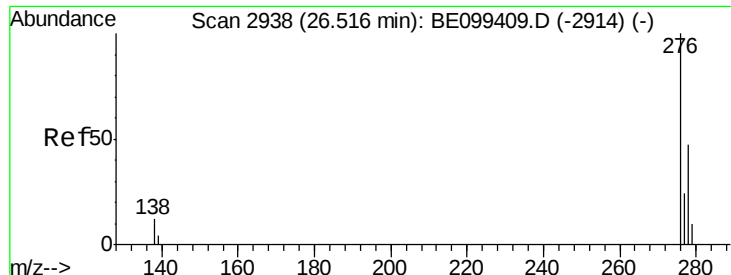
Delta R.T. -0.01 min

Lab File: BE099442.D

Acq: 1 May 2019 1:15

Tgt Ion:	149	Resp:	63711
Ion Ratio	Lower	Upper	
149	100		
167	7.5	5.8	8.6
279	1.6	1.0	1.6





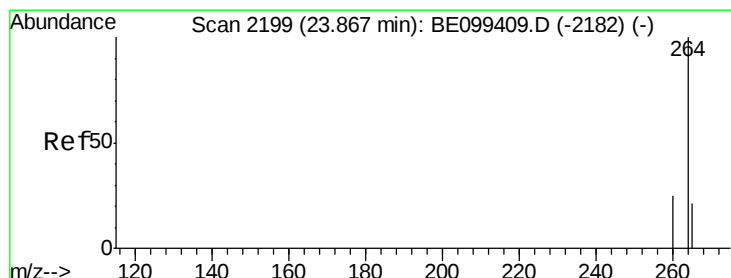
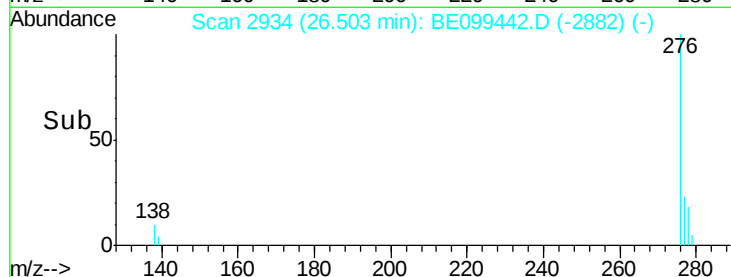
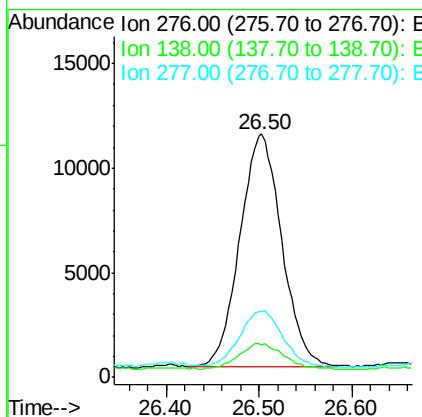
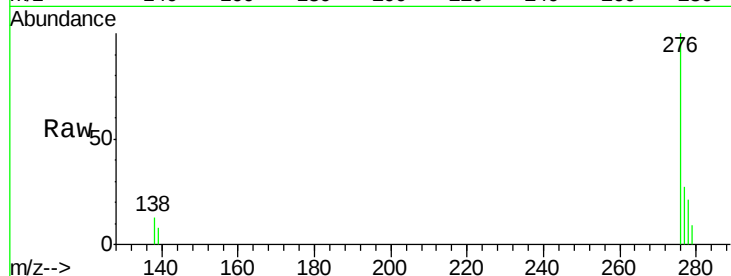
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.293 ng
RT: 26.50 min Scan# 2934
Delta R.T. -0.01 min
Lab File: BE099442.D
Acq: 1 May 2019 1:15

Instrument :
BNA_E
ClientSampleId :
EXT-074-SW056-042219

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	12.4	10.2	15.2
277	24.9	19.2	28.8

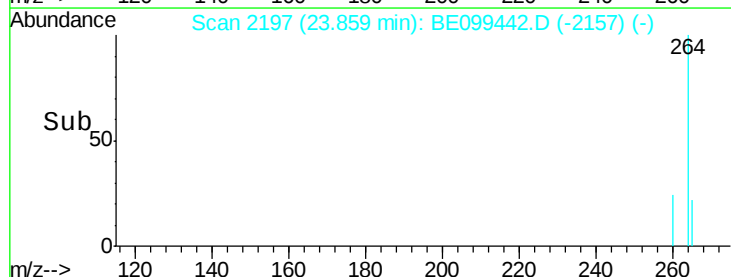
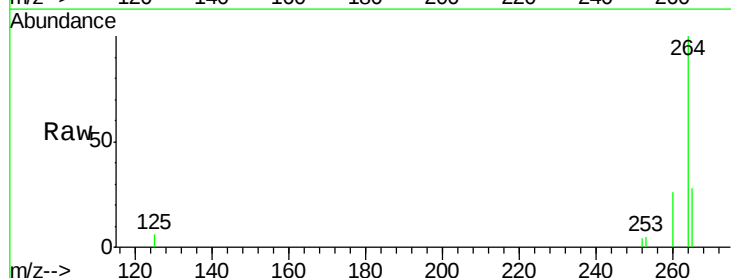
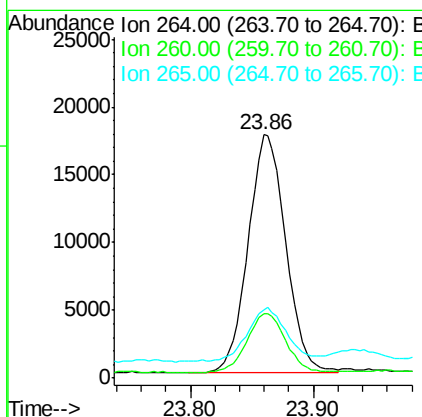
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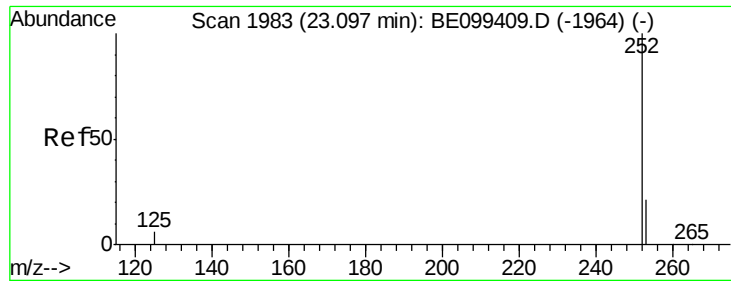
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BE099442.D
Acq: 1 May 2019 1:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	26.3	20.2	30.2
265	28.2	21.3	31.9





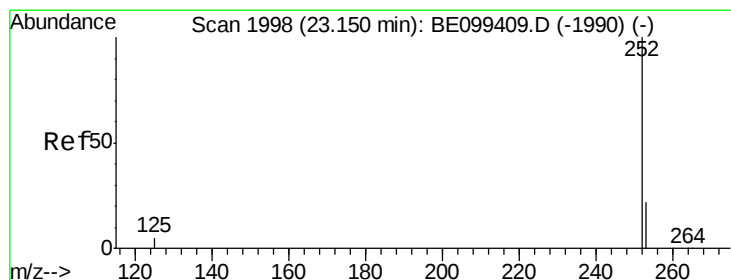
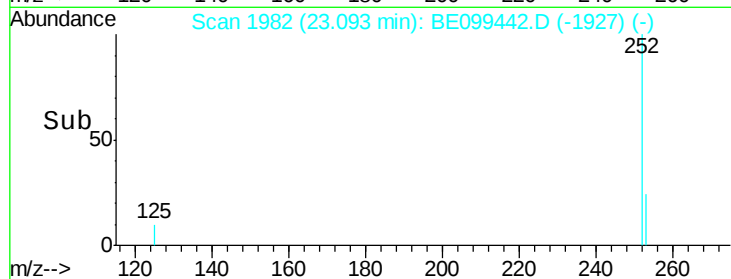
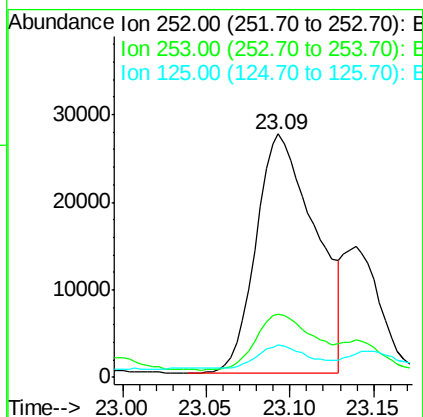
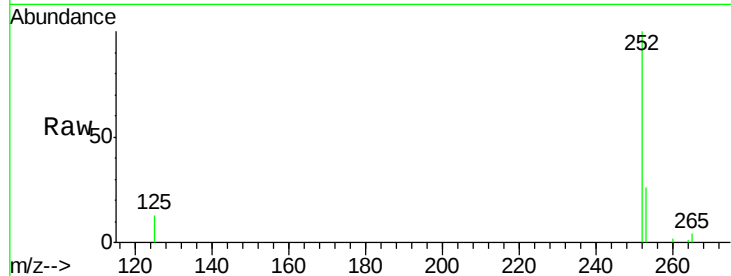
#35
Benzo(b)fluoranthene
Concen: 0.627 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE099442.D
Acq: 1 May 2019 1:15

Instrument :
BNA_E
ClientSampleId :
EXT-074-SW056-042219

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.1	27.1
125	13.1	5.6	8.4#

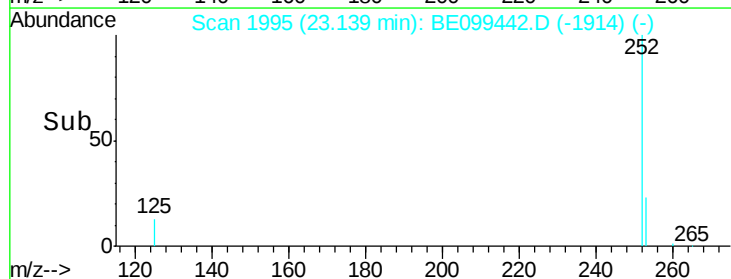
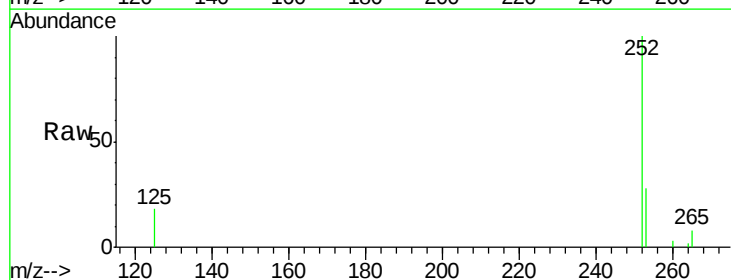
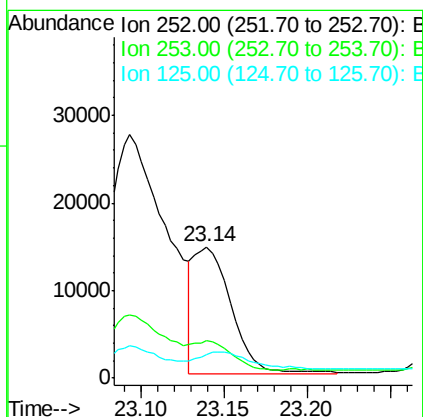
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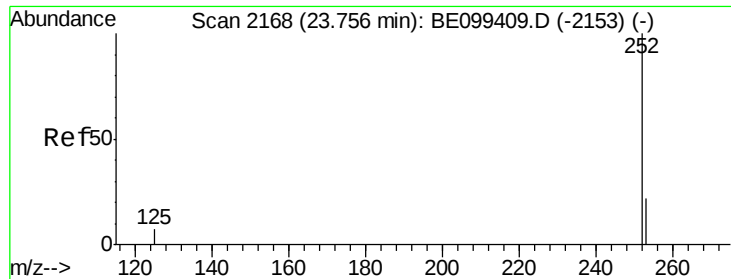
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.217 ng m
RT: 23.14 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BE099442.D
Acq: 1 May 2019 1:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	18.4	27.6#
125	18.2	5.0	7.4#





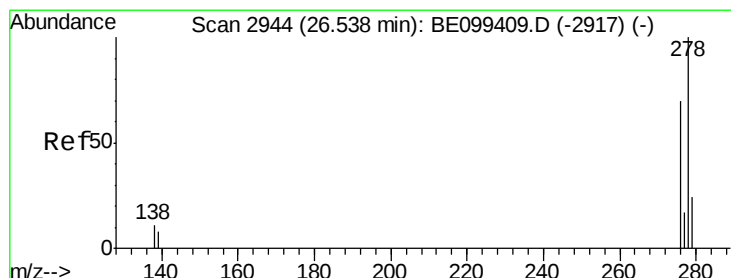
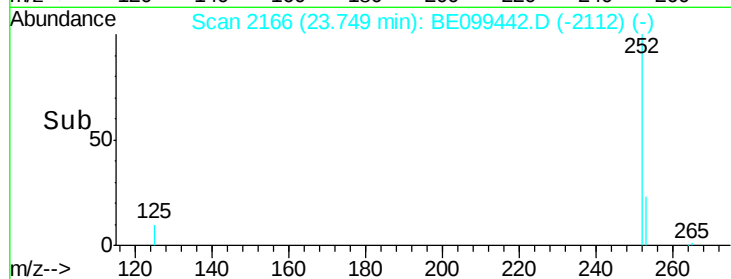
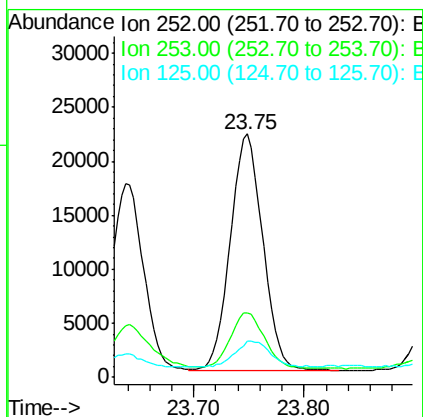
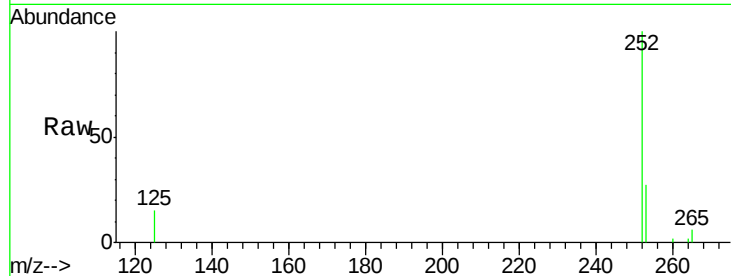
#37
Benzo(a)pyrene
Concen: 0.444 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE099442.D
Acq: 1 May 2019 1:15

Instrument :
BNA_E
ClientSampleId :
EXT-074-SW056-042219

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.9	28.3
125	14.6	6.7	10.1

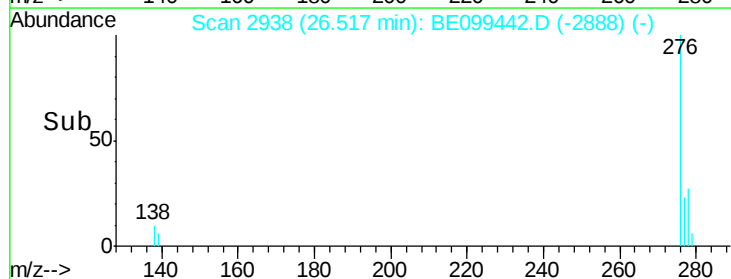
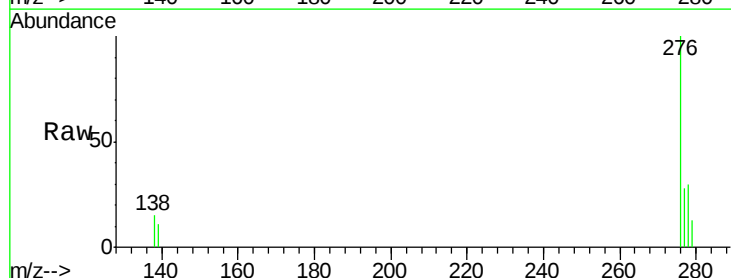
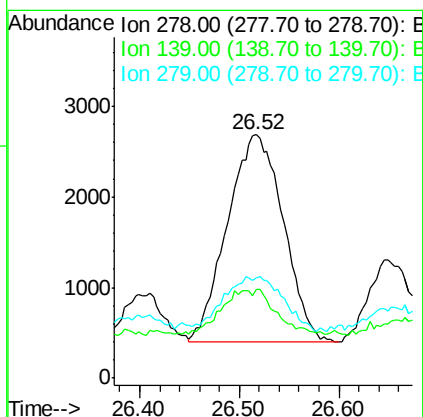
Manual Integrations
APPROVED

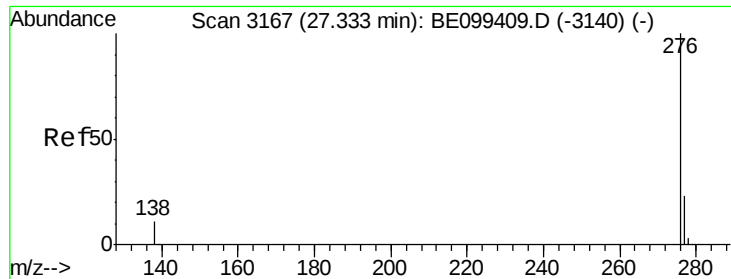
Sohil
5/1/2019 12:03:13 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.086 ng
RT: 26.52 min Scan# 2938
Delta R.T. -0.02 min
Lab File: BE099442.D
Acq: 1 May 2019 1:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.6	7.7	11.5
279	41.3	20.2	30.2





#39

Benzo(g,h,i)perylene

Concen: 0.334 ng

RT: 27.32 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BE099442.D

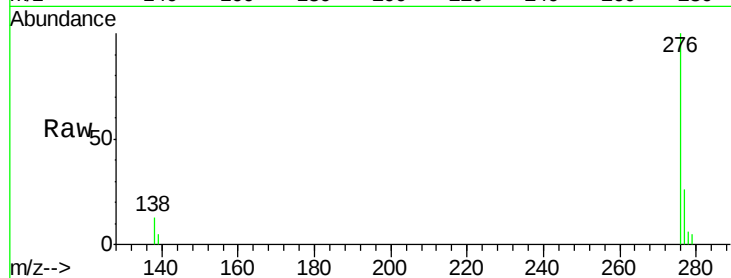
Acq: 1 May 2019 1:15

Instrument :

BNA_E

ClientSampleId :

EXT-074-SW056-042219



Tgt Ion:	276	Resp:	34760
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.5	29.3
138	13.5	9.6	14.4

Manual Integrations
APPROVED

Sohil
5/1/2019 12:03:13 PM

