

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\
 Data File : BE099358.D
 Acq On : 25 Apr 2019 13:12
 Operator : JU/SJ
 Sample : K2534-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-073-SW058-042219

Manual Integrations
 APPROVED

Sohil
 4/29/2019 2:29:31 AM

Quant Time: Apr 26 01:47:31 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Apr 19 06:51:38 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	4655	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	18576	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	13319	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	35364	0.40	ng	0.00
27) Chrysene-d12	21.37	240	36535	0.40	ng	0.00
34) Perylene-d12	23.86	264	41774	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	3150	0.28	ng	0.01
5) Phenol-d6	6.97	99	4638	0.29	ng	0.00
8) Nitrobenzene-d5	8.97	82	3936	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	7811	0.24	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1451	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	11255	0.21	ng	0.00
25) Fluoranthene-d10	19.22	212	91441	0.22	ng	0.00
29) Terphenyl-d14	19.82	244	15863	0.22	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	4702	0.023	ng	# 95
12) 2-Methylnaphthalene	12.27	142	701	0.020	ng	# 83
16) Acenaphthylene	14.18	152	1740	0.029	ng	# 85
17) Acenaphthene	14.51	154	760	0.020	ng	# 93
18) Fluorene	15.49	166	1388	0.026	ng	# 90
23) Phenanthrene	17.23	178	42340	0.452	ng	100
24) Anthracene	17.32	178	5539	0.066	ng	# 96
26) Fluoranthene	19.25	202	128827	1.028	ng	# 98
28) Pyrene	19.61	202	115909	1.077	ng	# 95
30) Benzo(a)anthracene	21.34	228	65649	0.611	ng	# 95
31) Chrysene	21.40	228	70443	0.616	ng	# 95
32) Bis(2-ethylhexyl)phthalate	21.27	149	84174	0.861	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.50	276	47303	0.419	ng	# 94
35) Benzo(b)fluoranthene	23.09	252	95041	0.743	ng	# 92
36) Benzo(k)fluoranthene	23.14	252	31485m	0.247	ng	# 93
37) Benzo(a)pyrene	23.75	252	62048	0.542	ng	# 93
38) Dibenzo(a,h)anthracene	26.52	278	10965	0.094	ng	# 66
39) Benzo(a,h,i)perylene	27.32	276	48970	0.412	ng	# 97

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

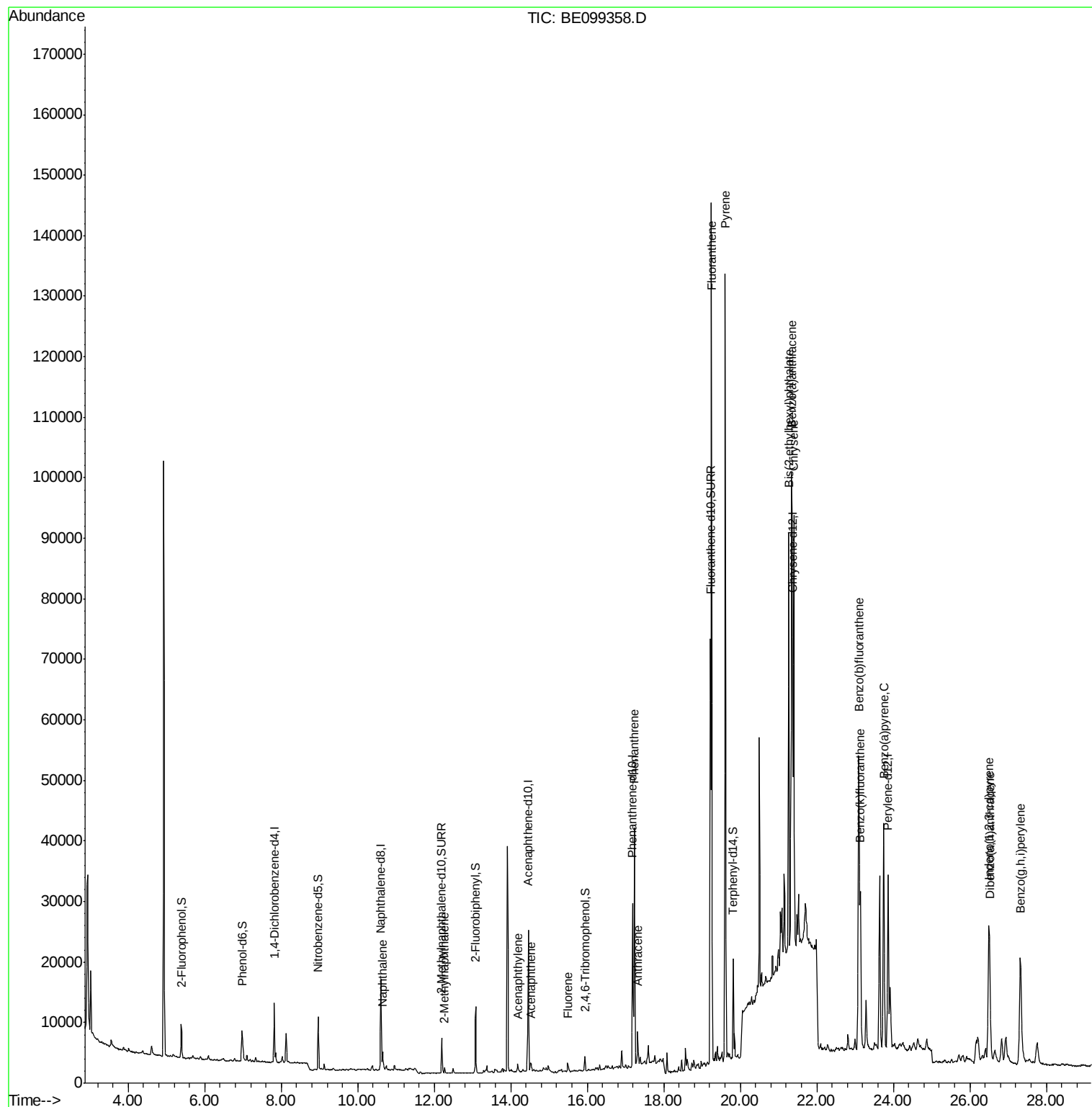
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\
Data File : BE099358.D
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ALS Vial : 7 Sample Multiplier: 1

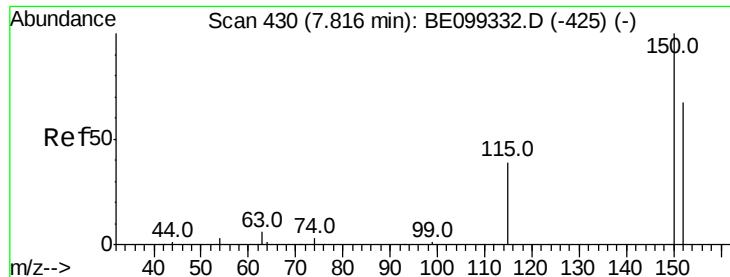
Instrument :
BNA_E
ClientSampleId :
EXT-073-SW058-042219

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4/29/2019 2:29:31 AM

Quant Time: Apr 26 01:47:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

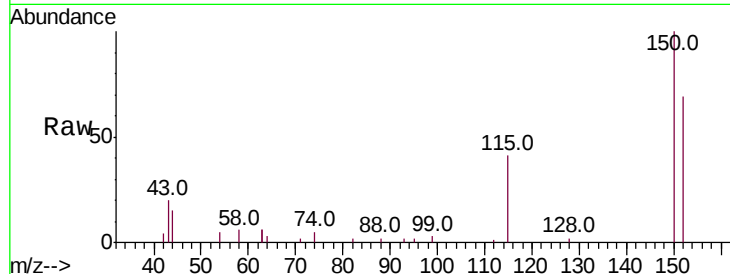
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099358.D
Acq: 25 Apr 2019 13:12

Instrument :
BNA_E
ClientSampleId :
EXT-073-SW058-042219

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.2	119.5	179.3
115	59.9	47.5	71.3

Manual Integrations
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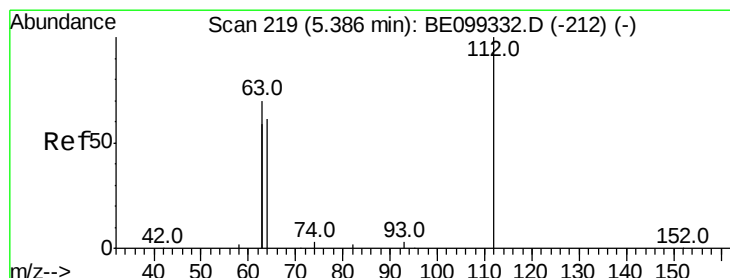
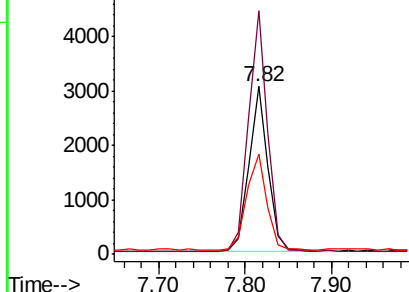
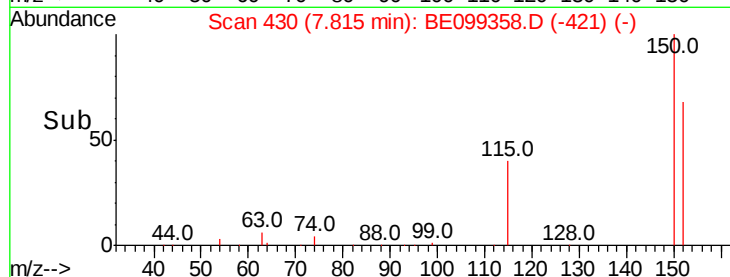


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

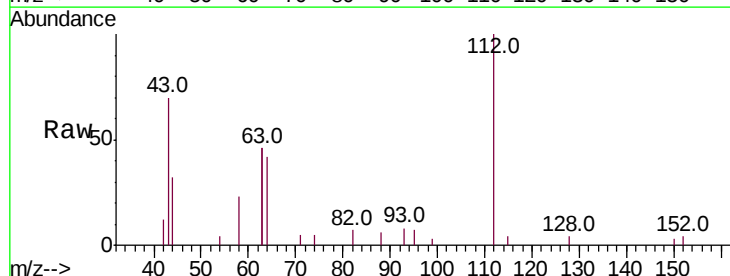
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.277 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099358.D
Acq: 25 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	44.9	67.3
63	127.0	97.4	146.0

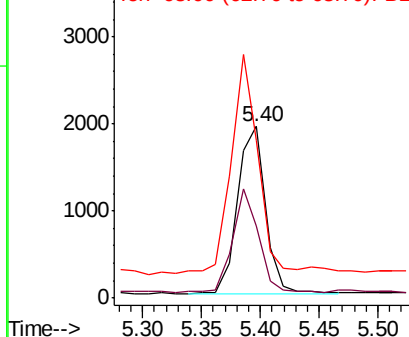
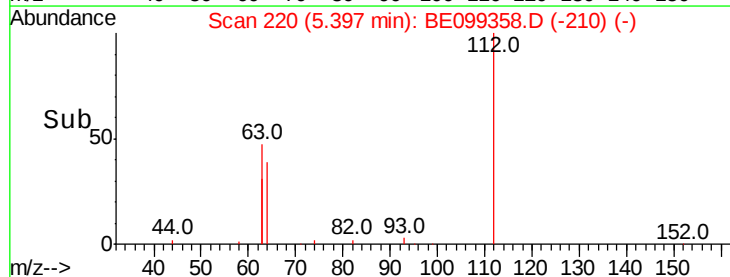


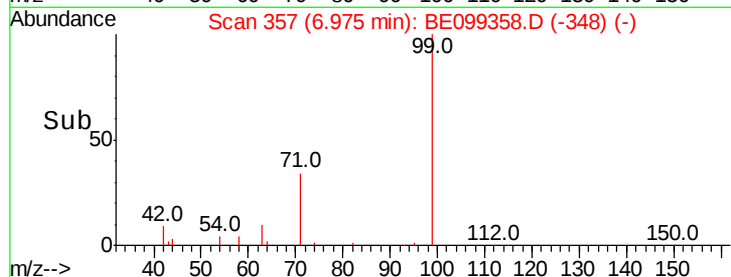
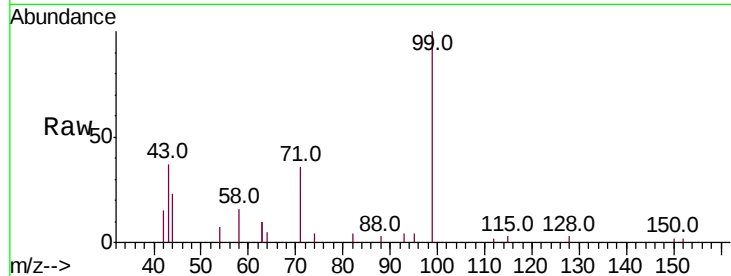
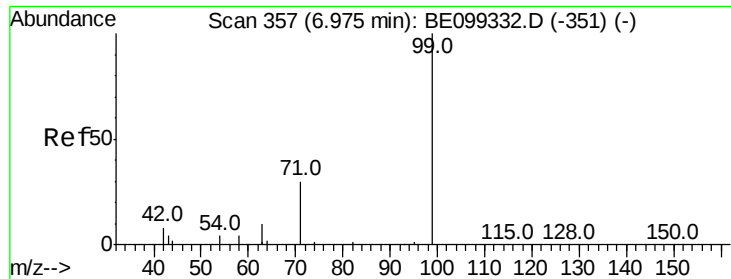
Abundance

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: 0.286 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099358.D

Acq: 25 Apr 2019 13:12

Tot Ion:	99	Resp:	4638
Ion	Ratio	Lower	Upper
99	100		
42	19.3	11.7	17.5#
71	40.8	29.6	44.4

Instrument :

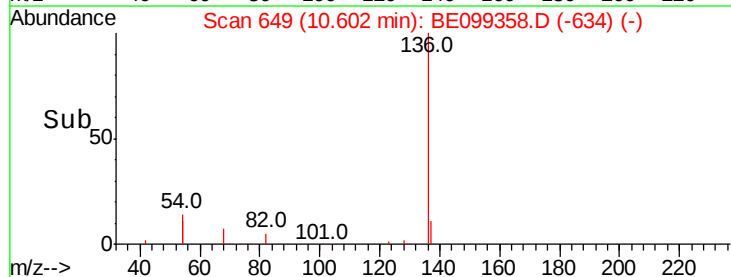
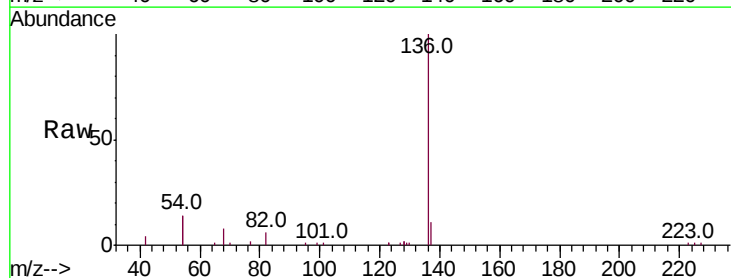
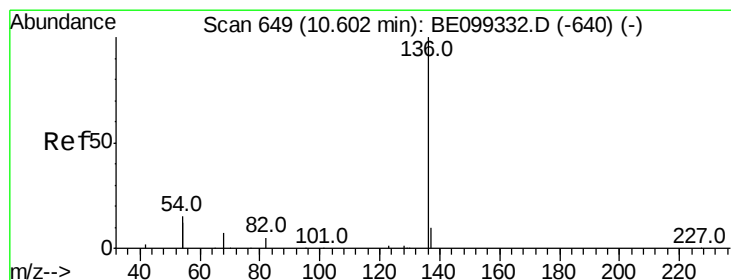
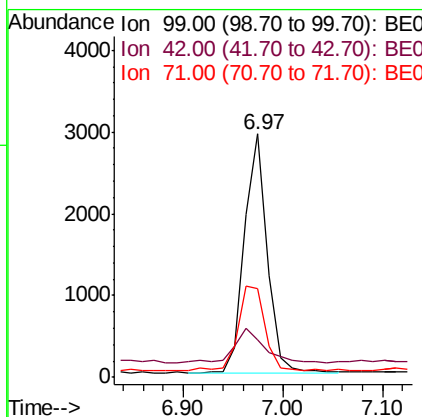
BNA_E

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

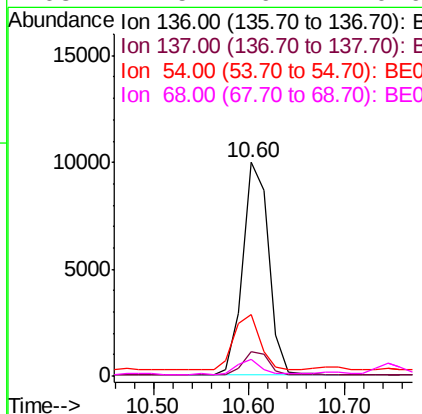
RT: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE099358.D

Acq: 25 Apr 2019 13:12

Tgt Ion:	136	Resp:	18576
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	28.6	23.8	35.8
68	7.5	6.4	9.6





#8

Nitrobenzene-d5

Concen: 0.273 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099358.D

Acq: 25 Apr 2019 13:12

Instrument :

BNA_E

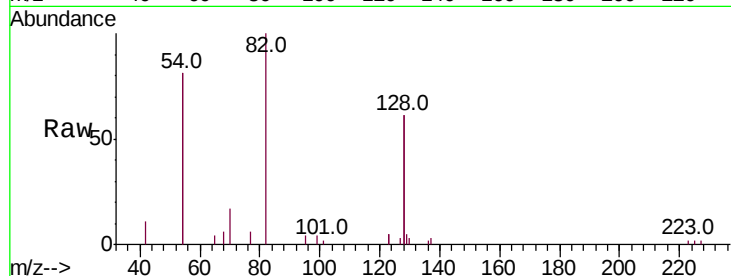
ClientSampleId :

EXT-073-SW058-042219

Tot Ion:	82	Resp:	3936
Ion	Ratio	Lower	Upper
82	100		
128	121.4	91.7	137.5
54	161.3	122.8	184.2

Manual Integrations
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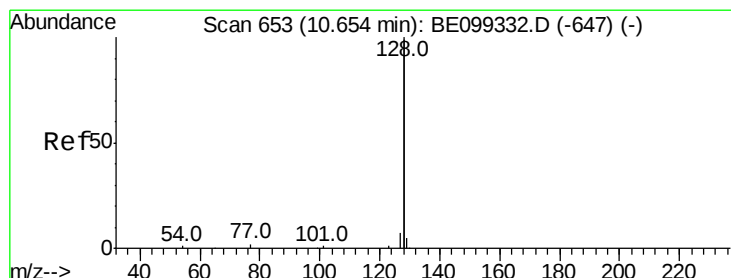
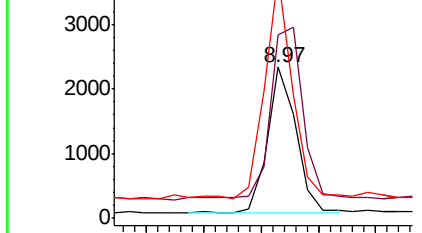
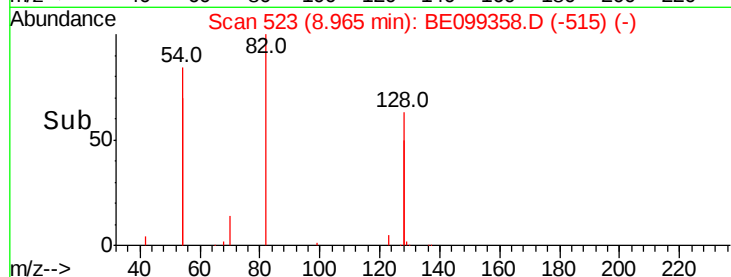


Abundance Ion 82.00 (81.70 to 82.70): BE099332.D (-520) (-)

Ion 128.00 (127.70 to 128.70): BE099332.D (-520) (-)

Ion 54.00 (53.70 to 54.70): BE099332.D (-520) (-)

Time-->



#9

Naphthalene

Concen: 0.023 ng

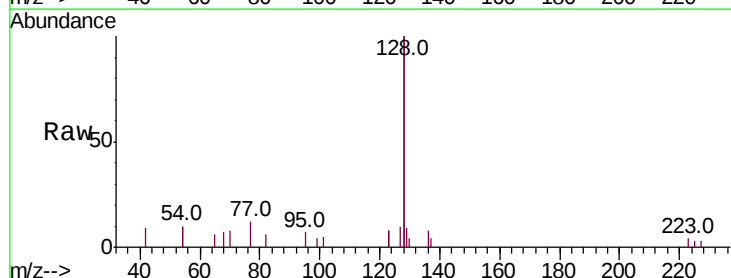
RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099358.D

Acq: 25 Apr 2019 13:12

Tgt Ion:	128	Resp:	4702
Ion	Ratio	Lower	Upper
128	100		
129	4.7	2.3	3.5#
127	5.0	2.8	4.2#

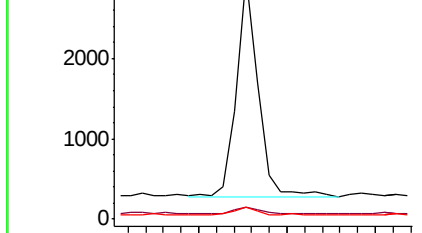
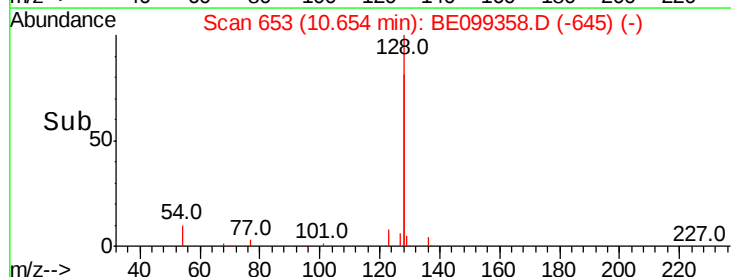


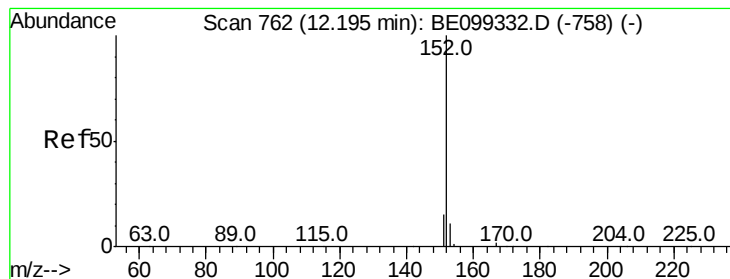
Abundance Ion 128.00 (127.70 to 128.70): BE099332.D (-647) (-)

Ion 129.00 (128.70 to 129.70): BE099332.D (-647) (-)

Ion 127.00 (126.70 to 127.70): BE099332.D (-647) (-)

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.238 ng

RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE099358.D

Acq: 25 Apr 2019 13:12

Instrument :

BNA_E

ClientSampleId :

EXT-073-SW058-042219

Tot Ion:152 Resp: 7811

Ion Ratio Lower Upper

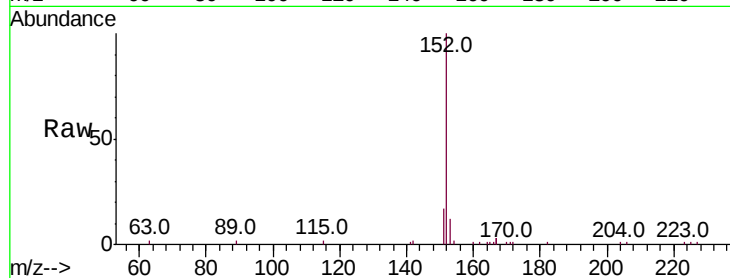
152 100

151 19.3 14.9 22.3

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.20

5000

4000

3000

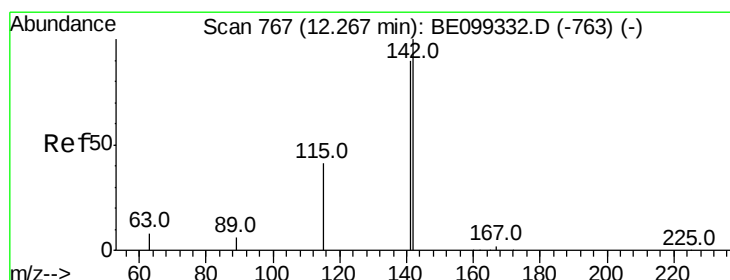
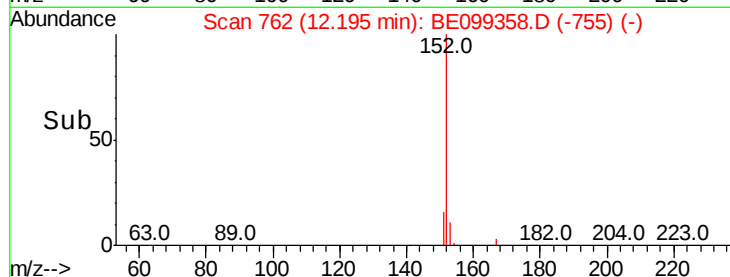
2000

1000

0

12.10 12.20 12.30

Time-->



#12

2-Methylnaphthalene

Concen: 0.020 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE099358.D

Acq: 25 Apr 2019 13:12

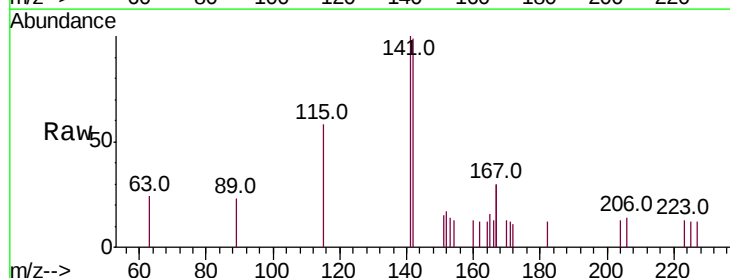
Tgt Ion:142 Resp: 701

Ion Ratio Lower Upper

142 100

141 101.4 72.0 108.0

115 59.2 33.4 50.0#



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

12.27

600

500

400

300

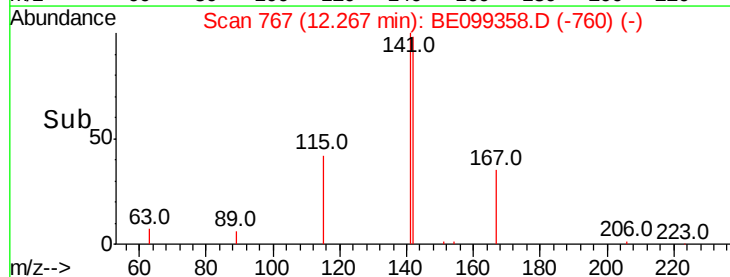
200

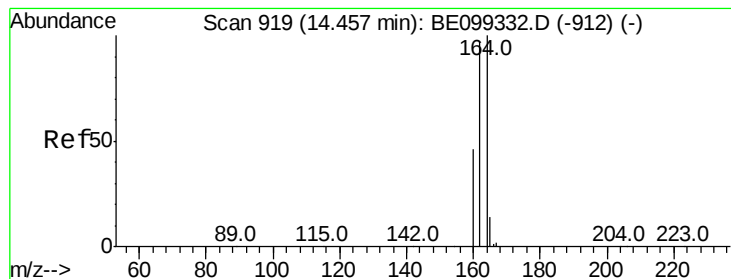
100

0

12.20 12.25 12.30 12.35

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE099358.D

Acq: 25 Apr 2019 13:12

Instrument :

BNA_E

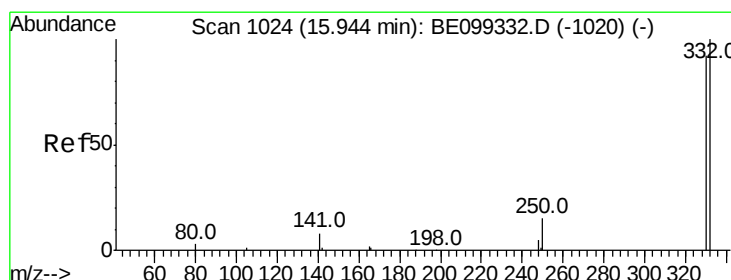
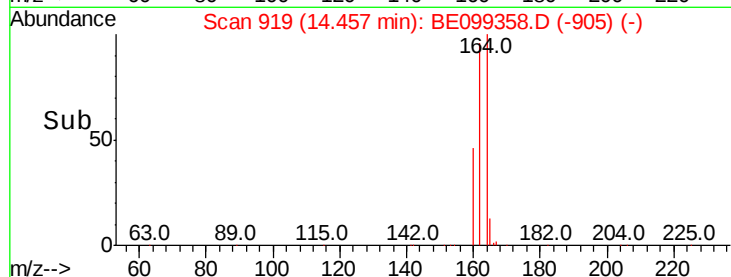
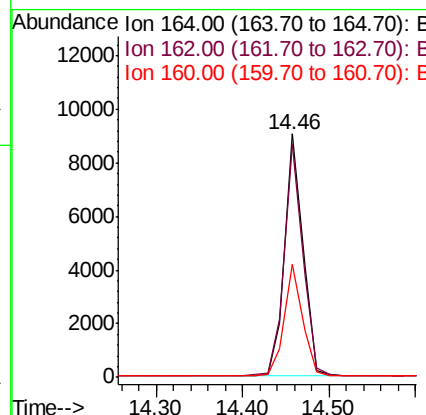
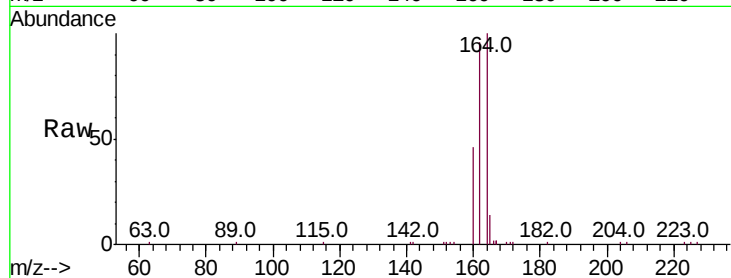
ClientSampleId :

EXT-073-SW058-042219

Tot Ion:	164	Resp:	13319
Ion Ratio	Lower	Upper	
164	100		
162	95.7	77.8	116.6
160	46.2	37.1	55.7

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#14

2,4,6-Tribromophenol

Concen: 0.328 ng

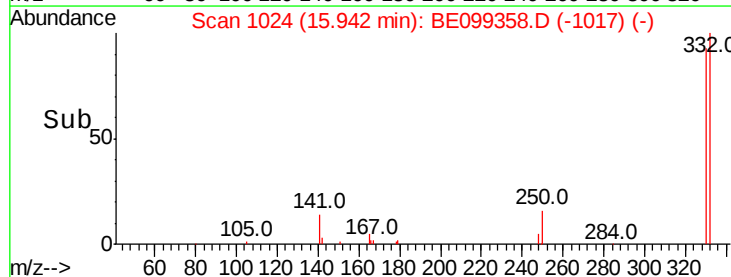
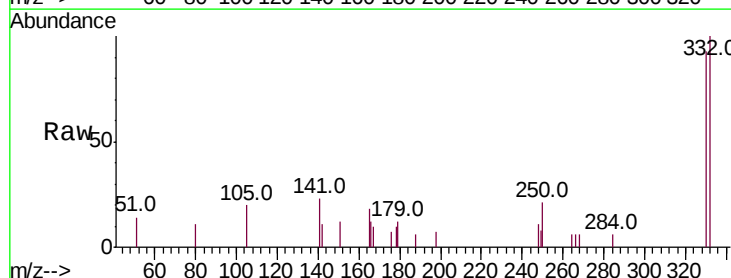
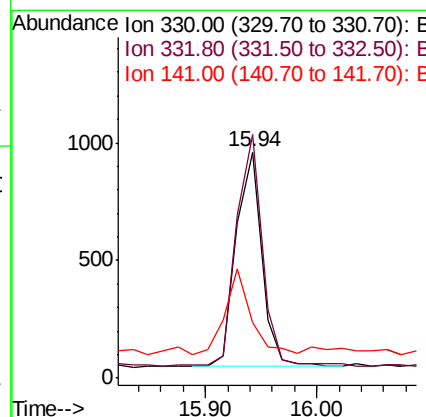
RT: 15.94 min Scan# 1024

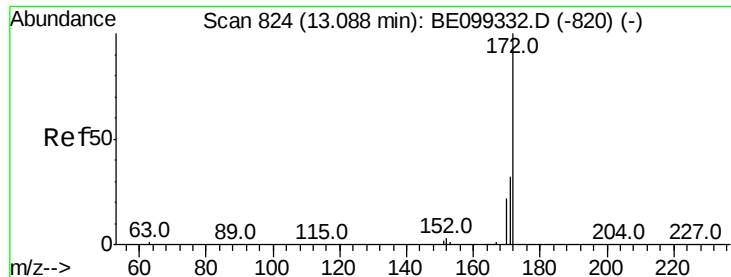
Delta R.T. -0.00 min

Lab File: BE099358.D

Acq: 25 Apr 2019 13:12

Tgt Ion:	330	Resp:	1451
Ion Ratio	Lower	Upper	
330	100		
332	109.6	82.5	123.7
141	40.7	24.9	37.3#





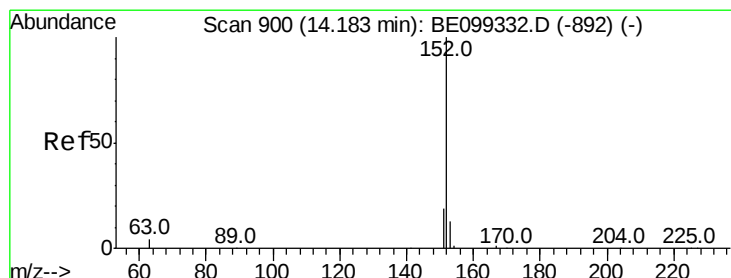
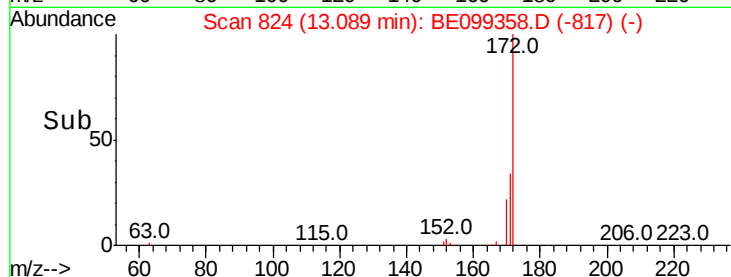
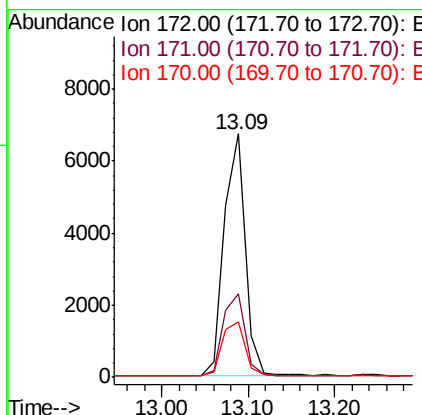
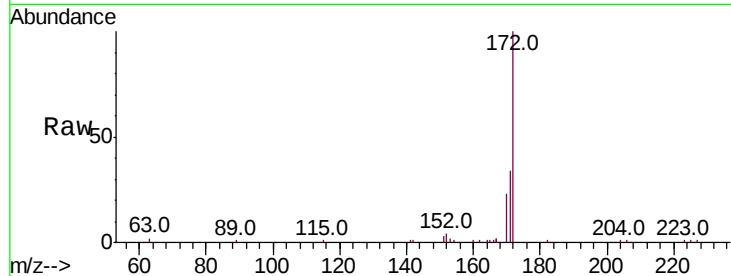
#15
 2-Fluorobiphenyl
 Concen: 0.215 ng
 RT: 13.09 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BE099358.D
 Acq: 25 Apr 2019 13:12

Instrument :
 BNA_E
 ClientSampleId :
 EXT-073-SW058-042219

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.2	39.2
170	22.9	18.1	27.1

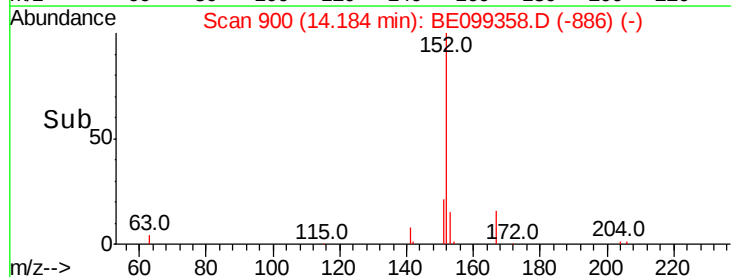
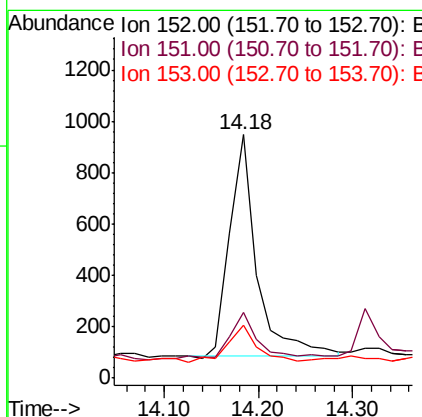
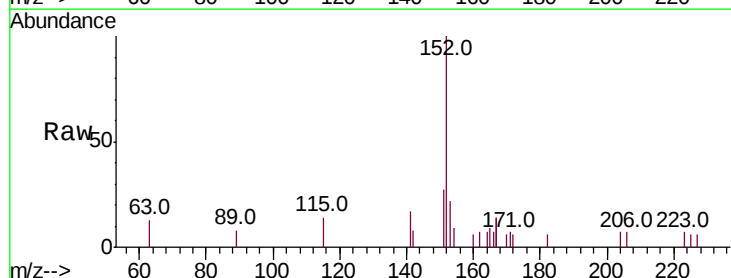
Manual Integrations
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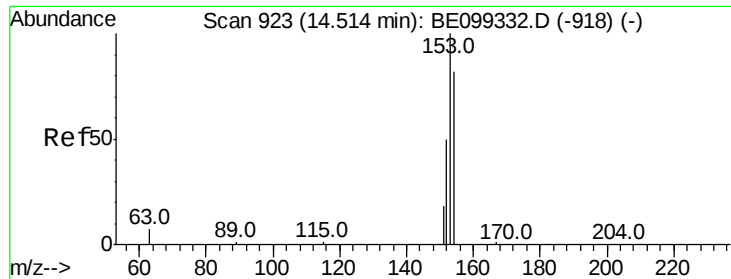
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#16
 Acenaphthylene
 Concen: 0.029 ng
 RT: 14.18 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: BE099358.D
 Acq: 25 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.0	15.5	23.3#
153	18.5	10.2	15.4#





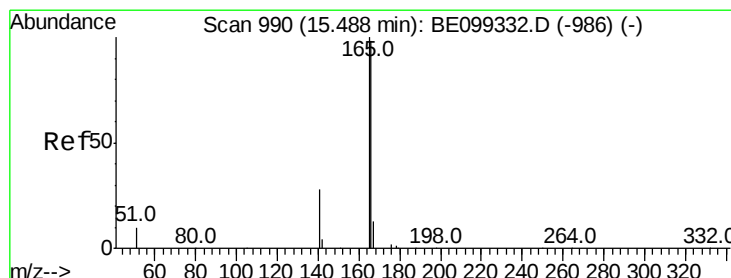
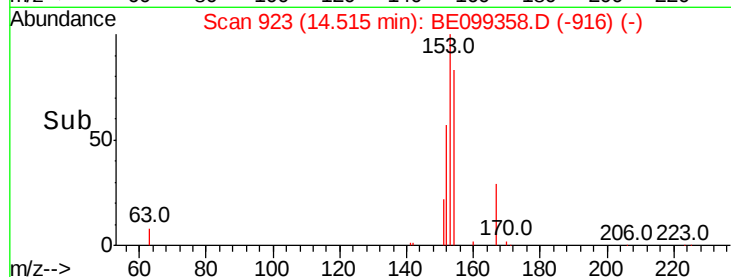
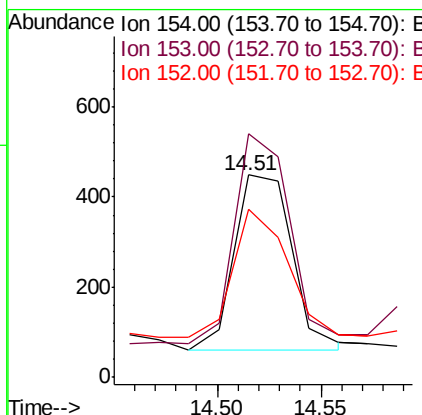
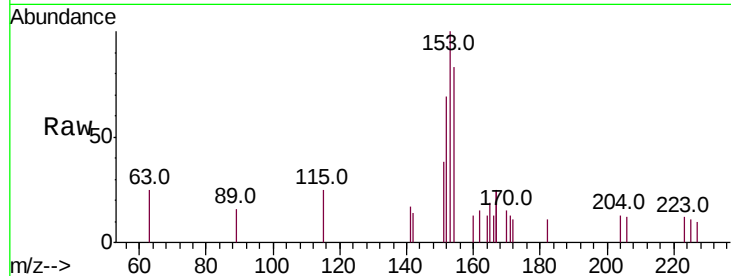
#17
Acenaphthene
Concen: 0.020 ng
RT: 14.51 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE099358.D
Acq: 25 Apr 2019 13:12

Instrument :
BNA_E
ClientSampleId :
EXT-073-SW058-042219

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.7	94.7	142.1
152	67.8	46.4	69.6

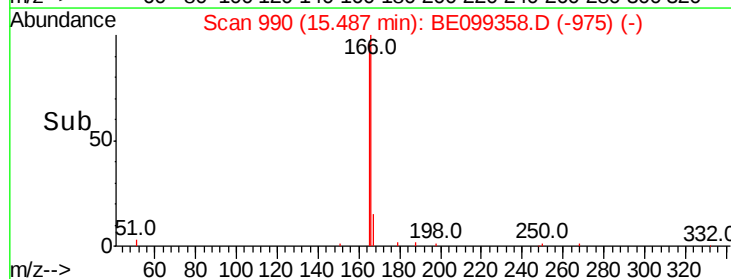
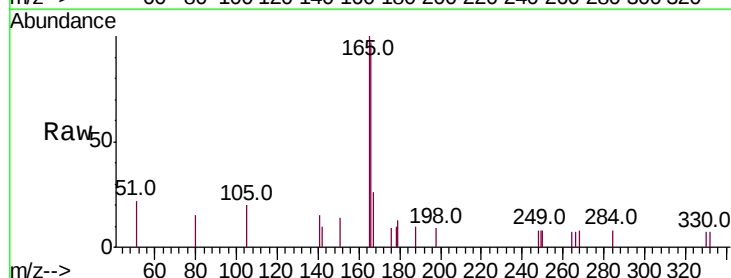
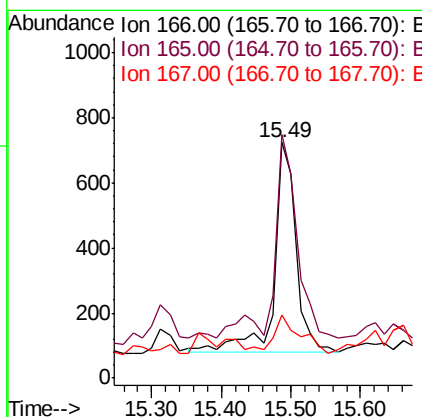
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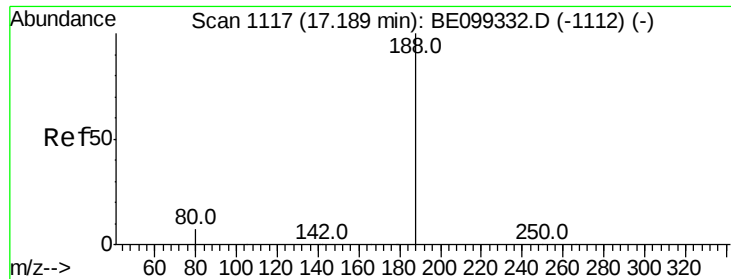
Sohil
4/29/2019 2:29:31 AM



#18
Fluorene
Concen: 0.026 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.00 min
Lab File: BE099358.D
Acq: 25 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.1	79.7	119.5
167	20.5	11.0	16.4#





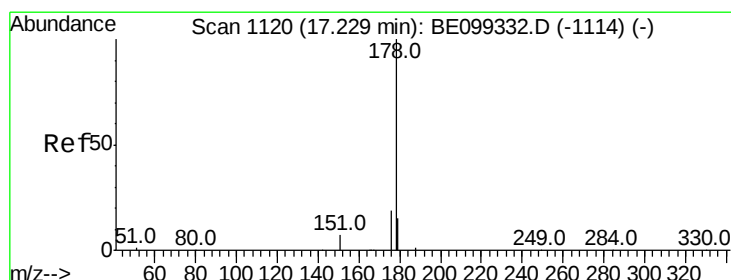
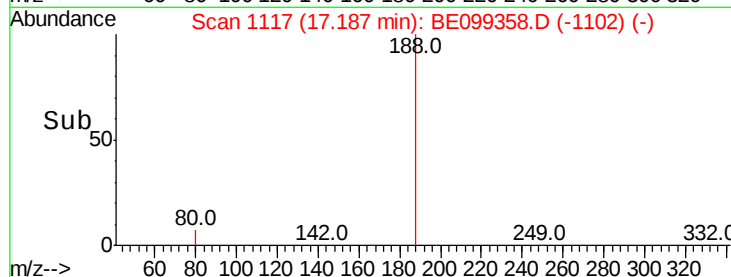
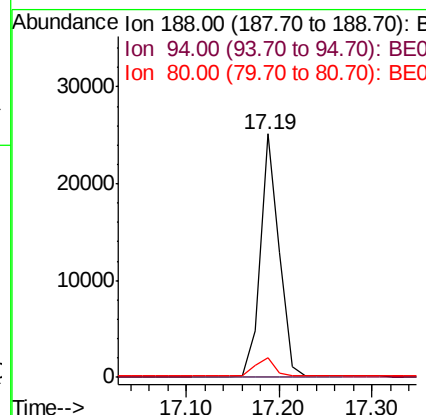
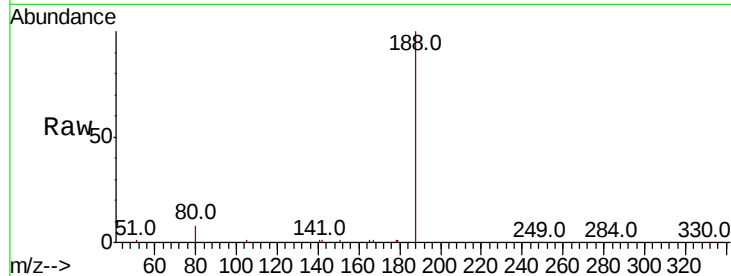
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE099358.D
Acq: 25 Apr 2019 13:12

Instrument :
BNA_E
ClientSampleId :
EXT-073-SW058-042219

Tot Ion:	188	Resp:	35364
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.0	6.2	9.4

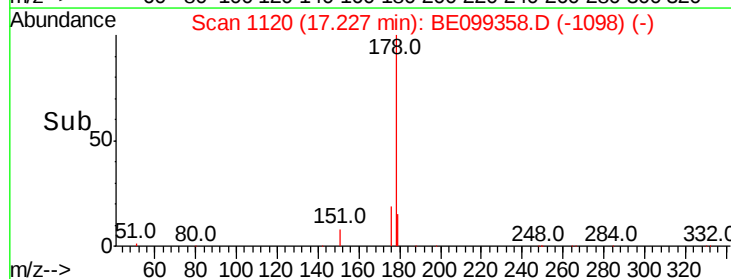
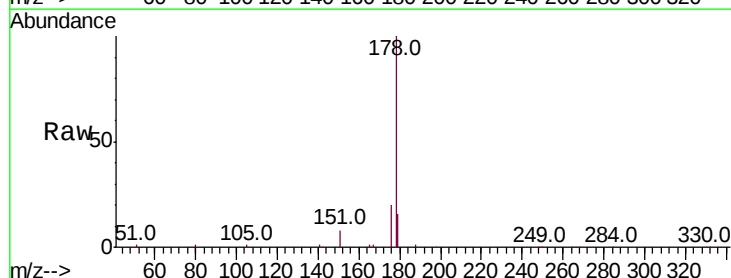
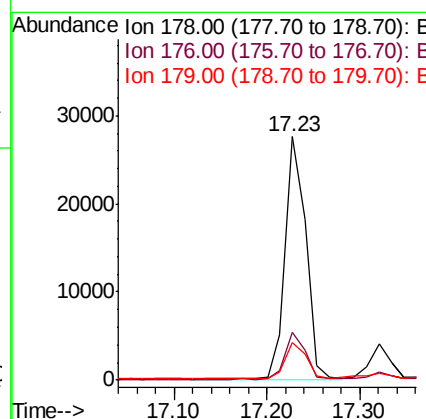
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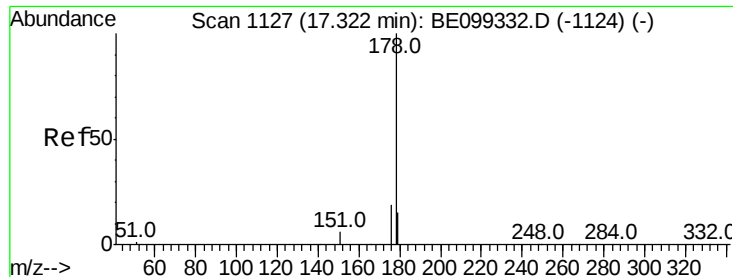
Sohil
4/29/2019 2:29:31 AM



#23
Phenanthrene
Concen: 0.452 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099358.D
Acq: 25 Apr 2019 13:12

Tgt Ion:	178	Resp:	42340
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.3	22.9
179	15.8	12.4	18.6





#24

Anthracene

Concen: 0.066 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099358.D

Acq: 25 Apr 2019 13:12

Instrument :

BNA_E

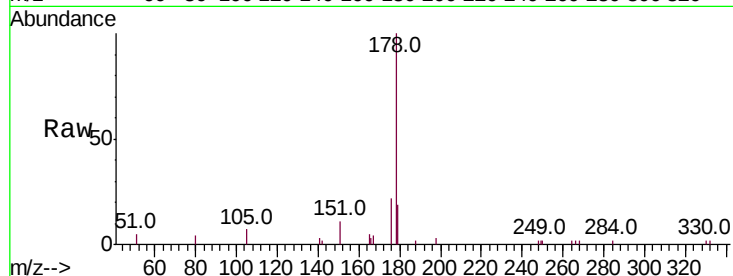
ClientSampleId :

EXT-073-SW058-042219

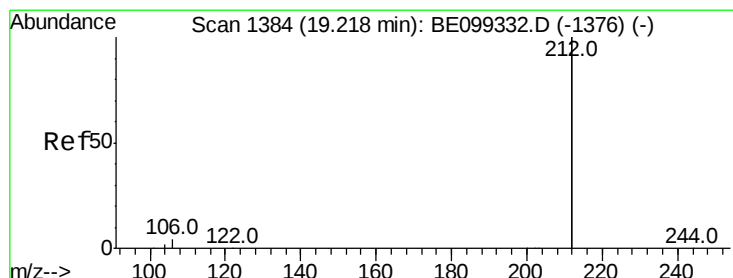
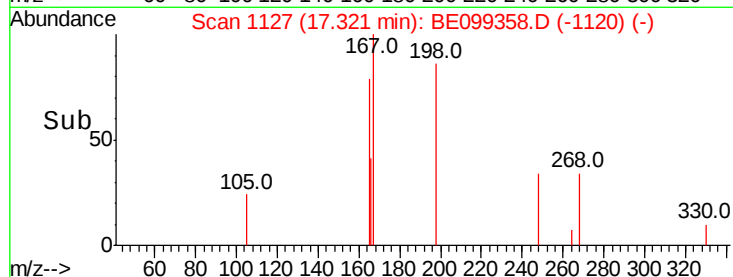
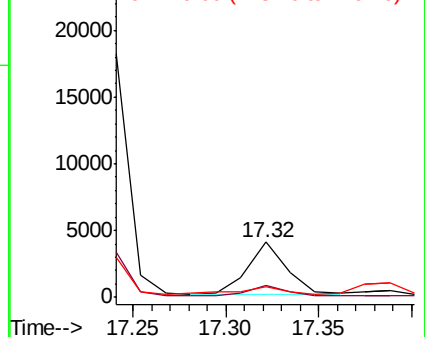
Tot Ion:	178	Resp:	5539
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.1	22.7
179	17.9	11.9	17.9#

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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



#25

Fluoranthene-d10

Concen: 0.215 ng

RT: 19.22 min Scan# 1384

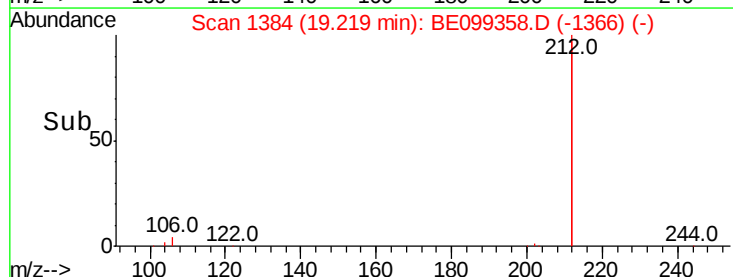
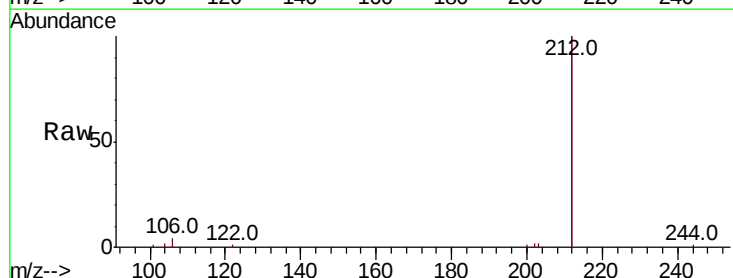
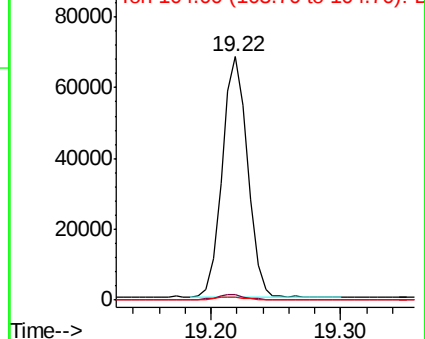
Delta R.T. 0.00 min

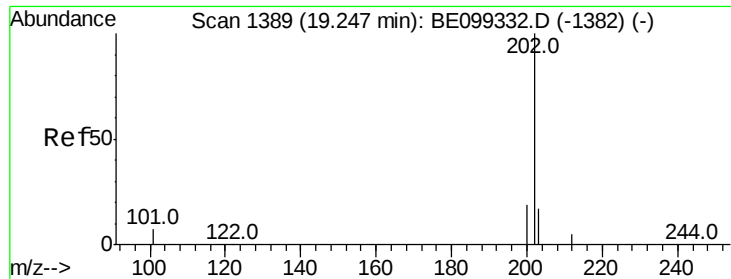
Lab File: BE099358.D

Acq: 25 Apr 2019 13:12

Tgt Ion:	212	Resp:	91441
Ion Ratio	Lower	Upper	
212	100		
106	2.1	1.8	2.6
104	1.2	1.0	1.4

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





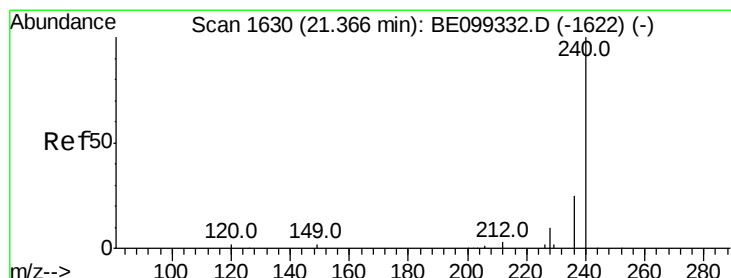
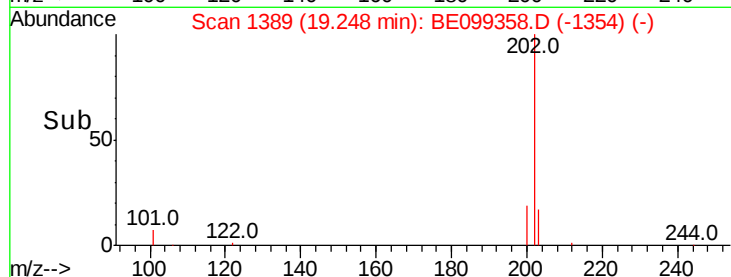
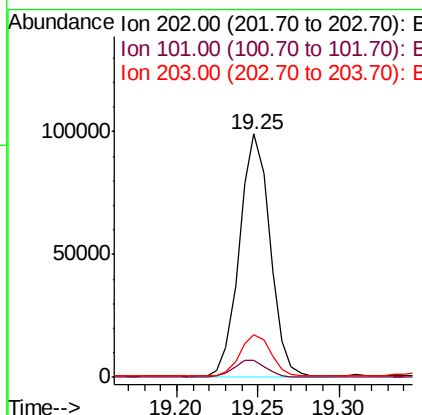
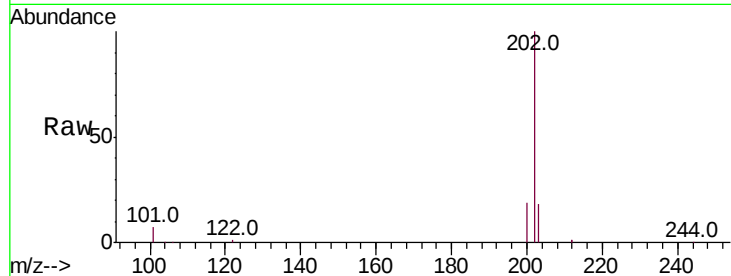
#26
Fluoranthene
 Concen: 1.028 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: BE099358.D
 Acq: 25 Apr 2019 13:12

Instrument :
 BNA_E
 ClientSampled :
 EXT-073-SW058-042219

Tot Ion	Ratio	Resp	Lower	Upper
202	100	128827		
101	7.1		6.4	9.6
203	17.5		13.5	20.3

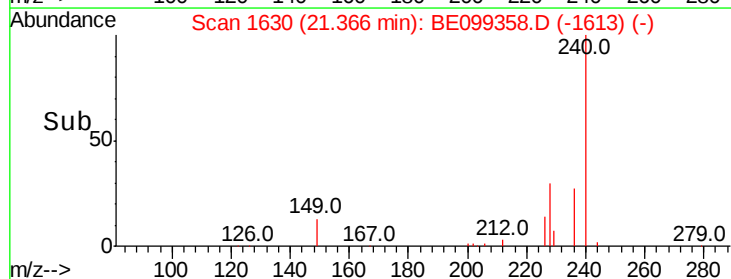
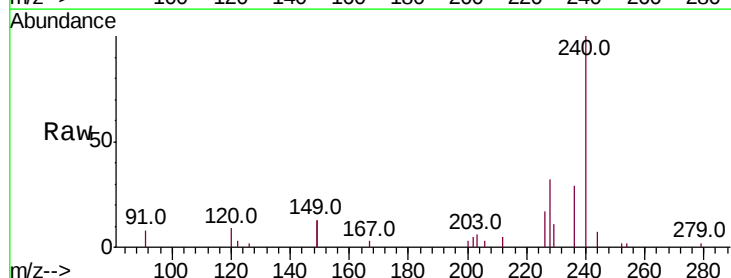
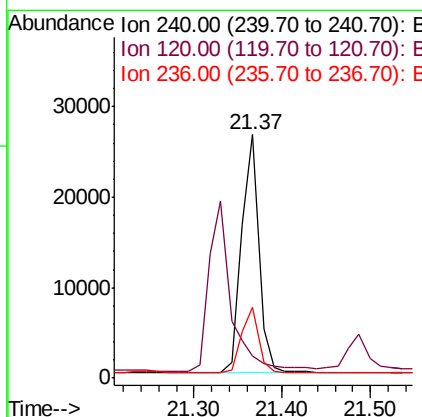
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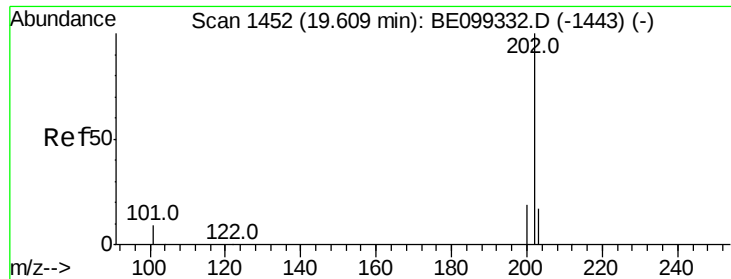
Sohil
 4/29/2019 2:29:31 AM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099358.D
 Acq: 25 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	36535		
120	8.9		2.2	3.2#
236	29.0		20.2	30.4





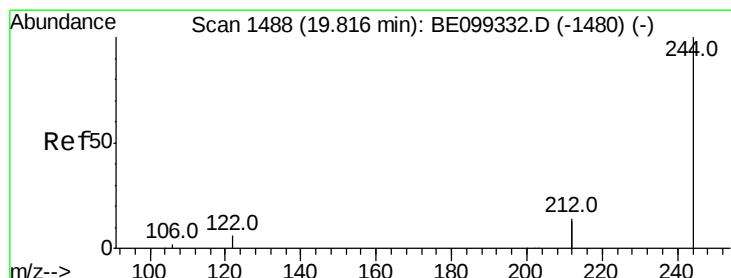
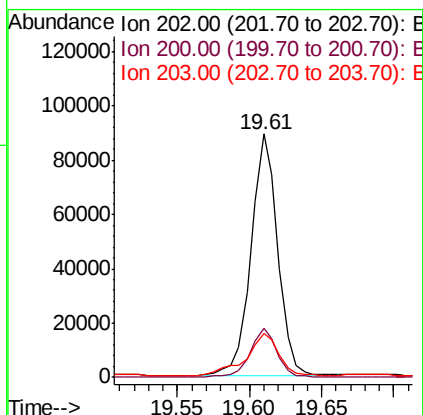
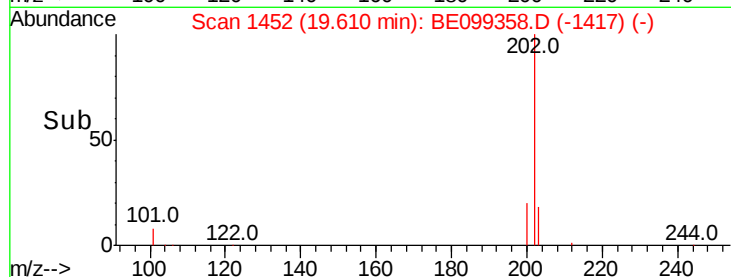
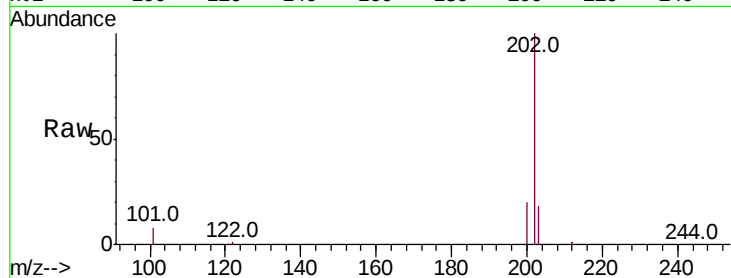
#28
Pvrene
Concen: 1.077 ng
RT: 19.61 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BE099358.D
Acq: 25 Apr 2019 13:12

Instrument :
BNA_E
ClientSampleId :
EXT-073-SW058-042219

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	15.7	23.5
203	21.4	13.7	20.5

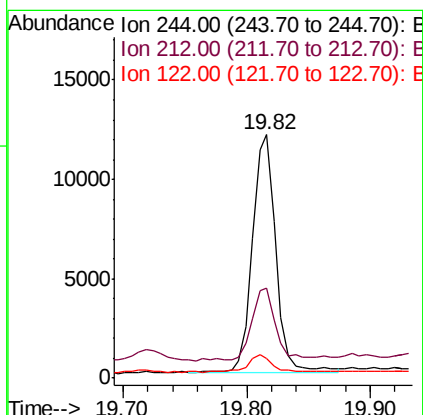
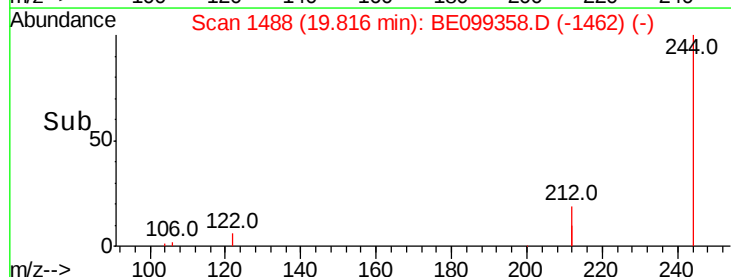
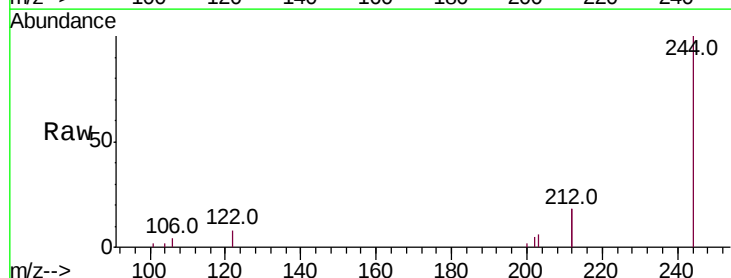
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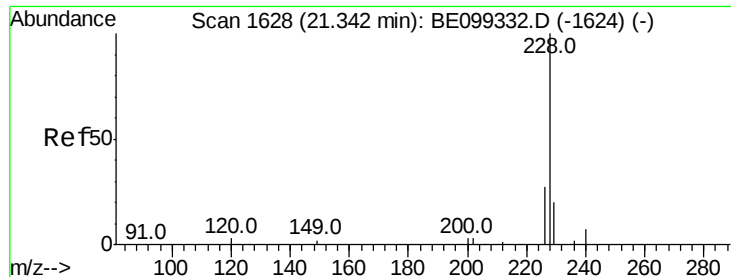
Sohil
4/29/2019 2:29:31 AM



#29
Terphenyl-d14
Concen: 0.221 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099358.D
Acq: 25 Apr 2019 13:12

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	36.8	22.6	33.8
122	7.9	4.6	7.0





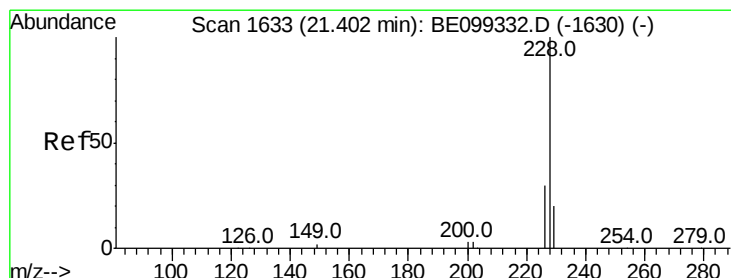
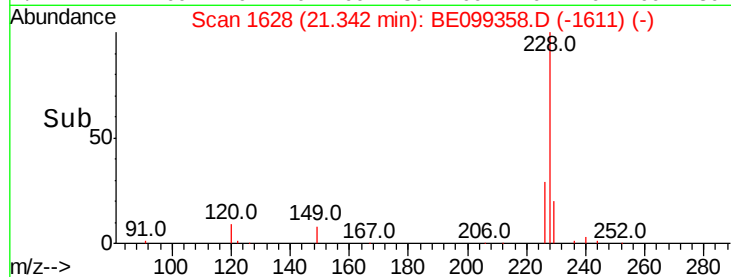
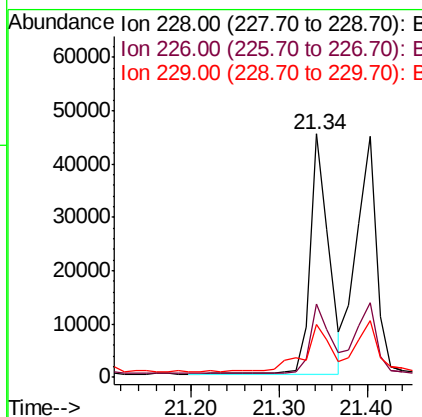
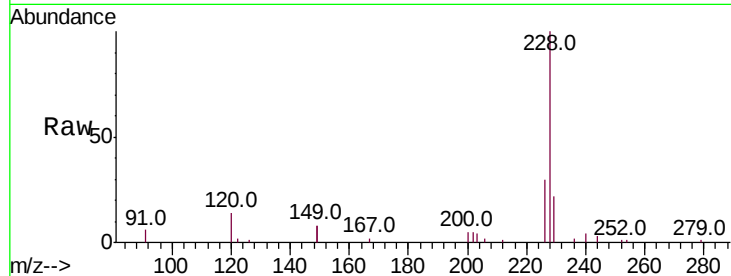
#30
Benzo(a)anthracene
Concen: 0.611 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE099358.D
Acq: 25 Apr 2019 13:12

Instrument :
BNA_E
ClientSampleId :
EXT-073-SW058-042219

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.0	33.0
229	22.0	15.8	23.8

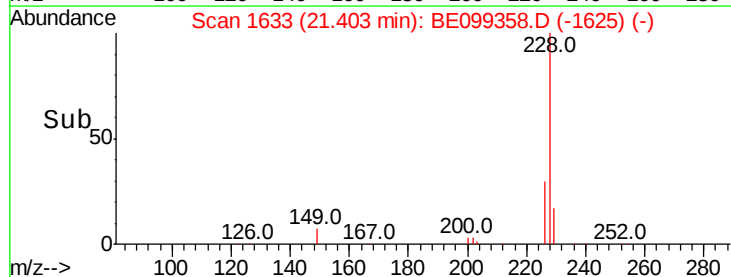
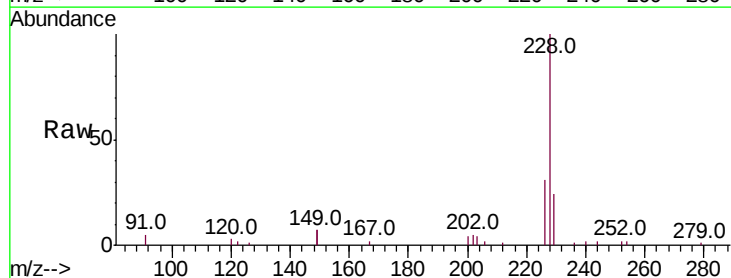
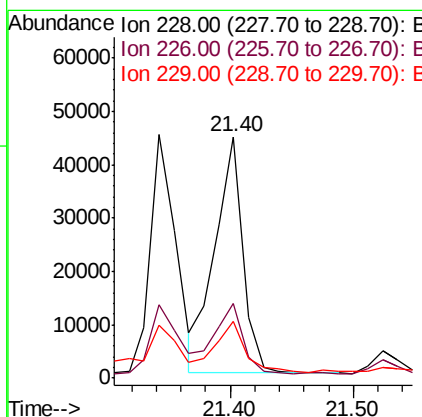
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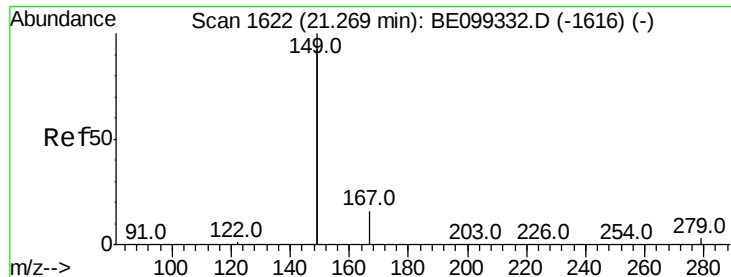
Sohil
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#31
Chrysene
Concen: 0.616 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099358.D
Acq: 25 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.4	35.2
229	23.5	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.861 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099358.D

Acq: 25 Apr 2019 13:12

Instrument :

BNA_E

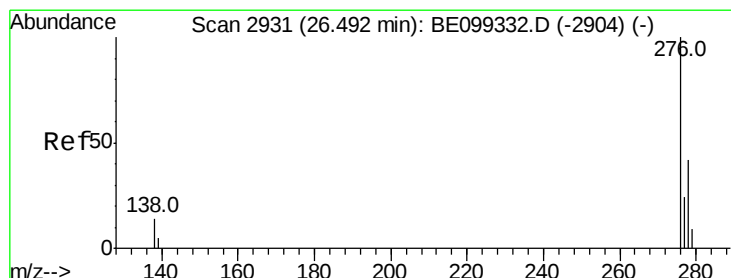
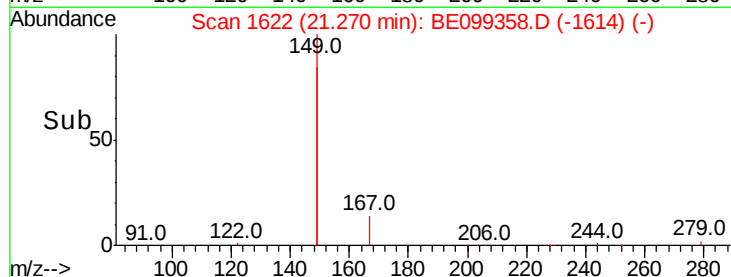
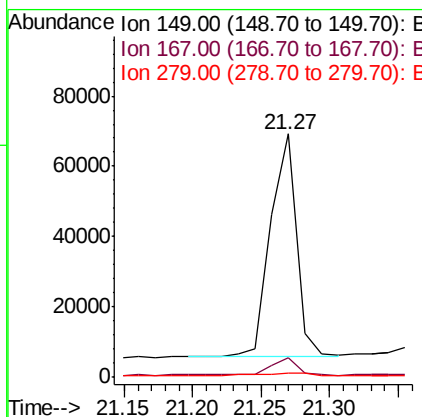
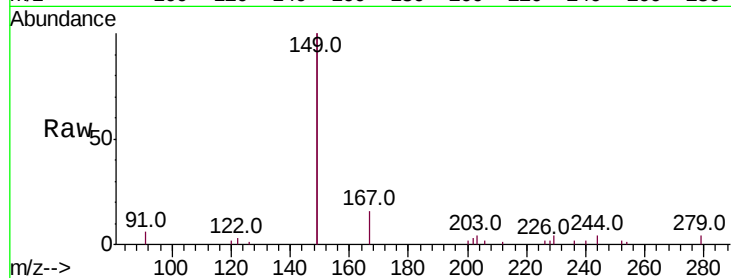
ClientSampleId :

EXT-073-SW058-042219

Tot Ion:	149	Resp:	84174
Ion Ratio	Lower	Upper	
149	100		
167	7.3	6.0	9.0
279	1.8	1.1	1.7#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.419 ng

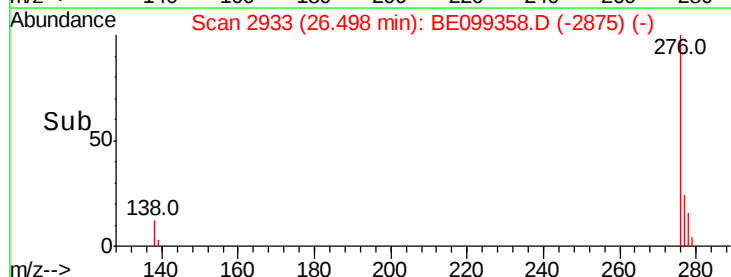
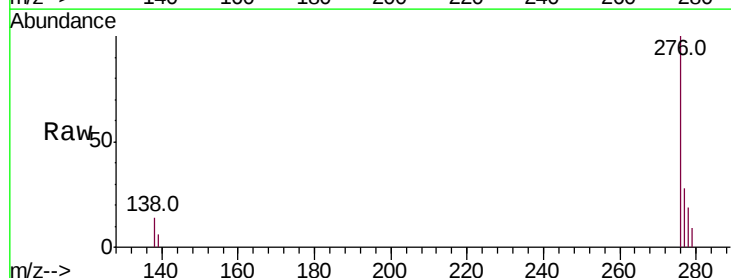
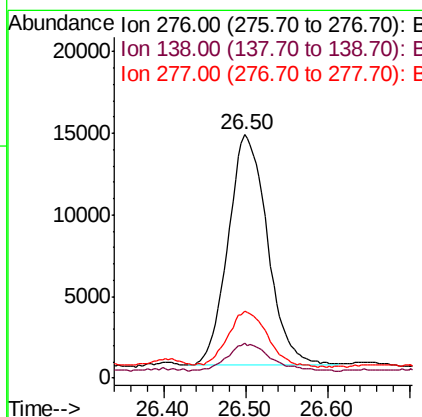
RT: 26.50 min Scan# 2933

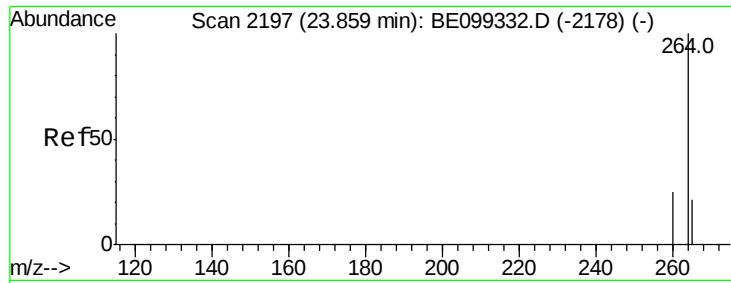
Delta R.T. 0.01 min

Lab File: BE099358.D

Acq: 25 Apr 2019 13:12

Tgt Ion:	276	Resp:	47303
Ion Ratio	Lower	Upper	
276	100		
138	12.6	12.7	19.1#
277	22.4	19.6	29.4





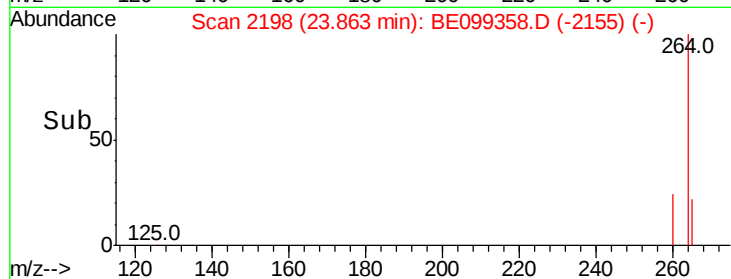
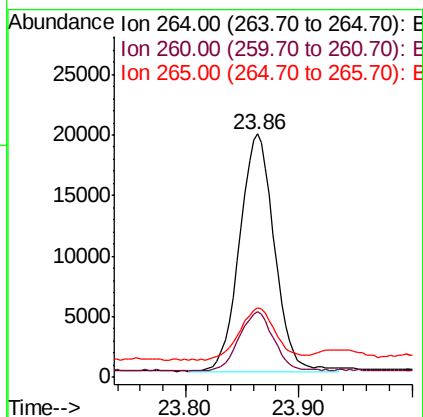
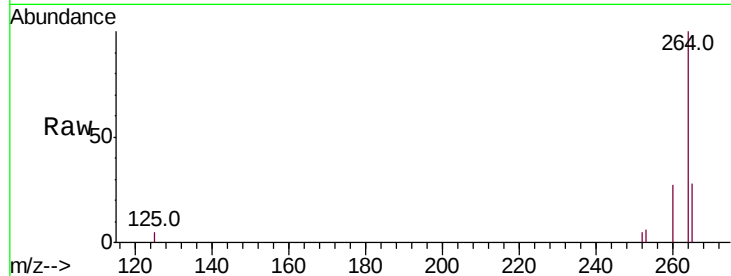
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BE099358.D
Acq: 25 Apr 2019 13:12

Instrument :
BNA_E
ClientSampleId :
EXT-073-SW058-042219

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.8	20.1	30.1
265	28.4	19.9	29.9

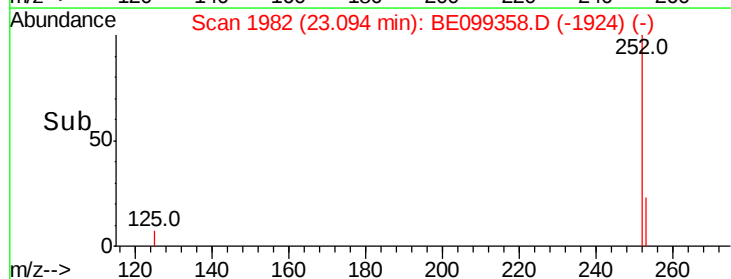
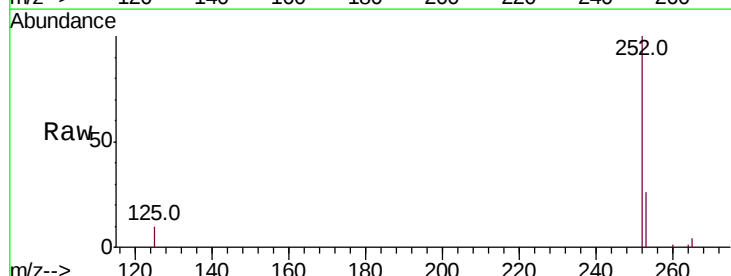
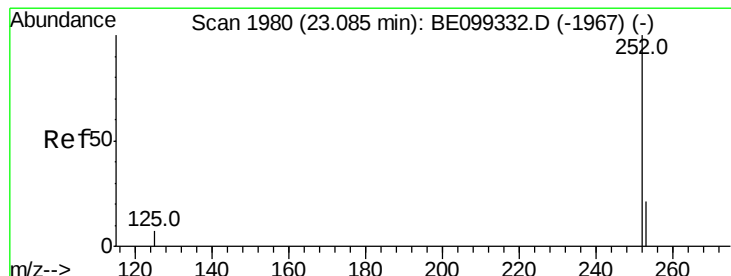
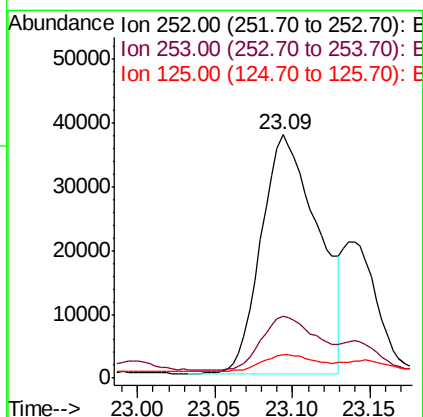
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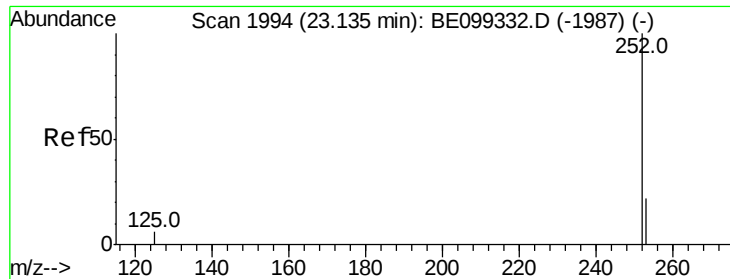
Sohil
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#35
Benzo(b)fluoranthene
Concen: 0.743 ng
RT: 23.09 min Scan# 1982
Delta R.T. 0.01 min
Lab File: BE099358.D
Acq: 25 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.3	25.9
125	9.7	5.8	8.6#





#36

Benzo(k)fluoranthene

Concen: 0.247 ng

RT: 23.14 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BE099358.D

Acq: 25 Apr 2019 13:12

Instrument :

BNA_E

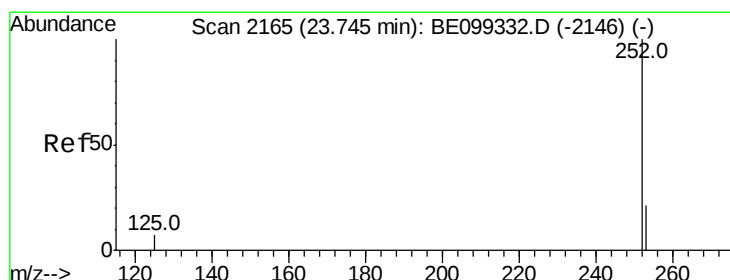
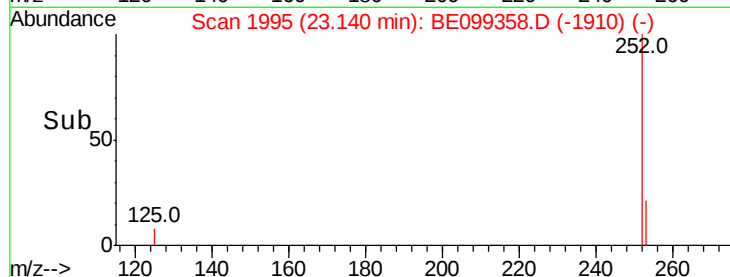
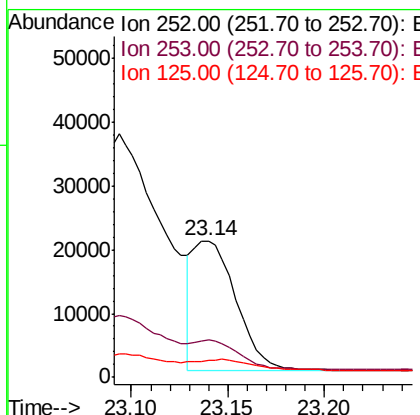
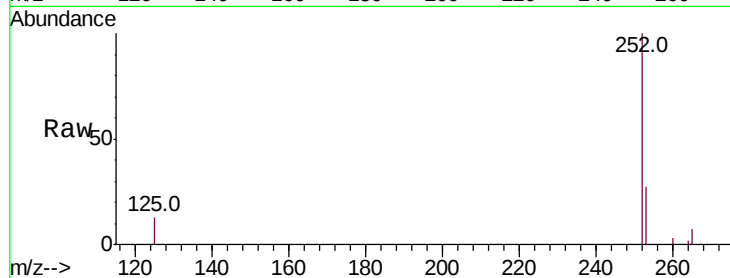
ClientSampleId :

EXT-073-SW058-042219

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.4	27.6
125	12.5	5.4	8.0

Manual Integrations
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4/29/2019 2:29:31 AM



#37

Benzo(a)pyrene

Concen: 0.542 ng

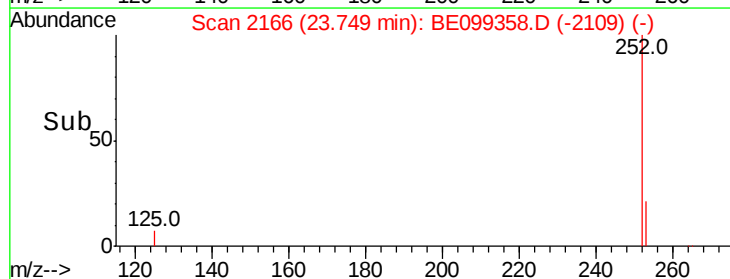
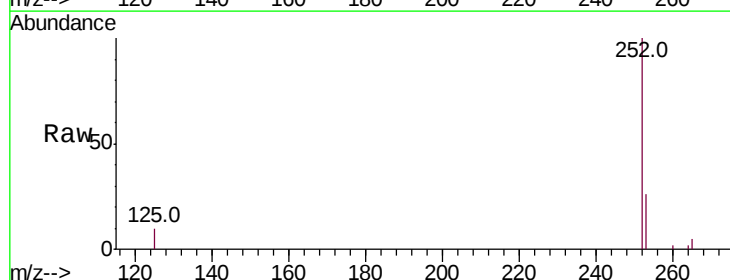
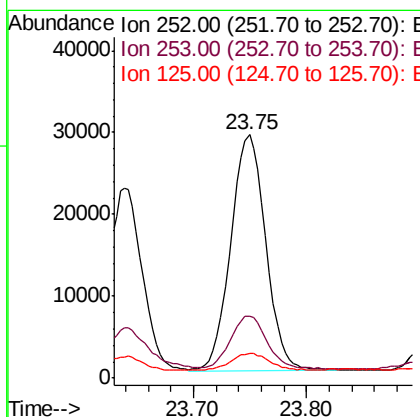
RT: 23.75 min Scan# 2166

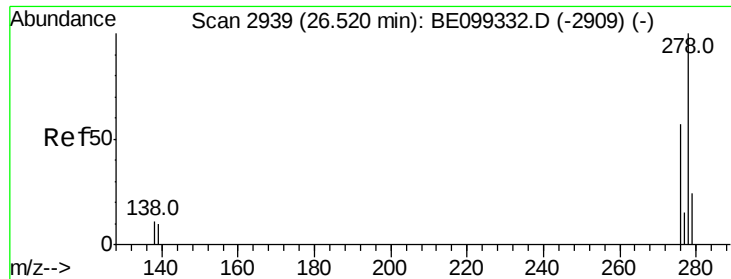
Delta R.T. 0.00 min

Lab File: BE099358.D

Acq: 25 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.6	26.4
125	10.1	6.5	9.7





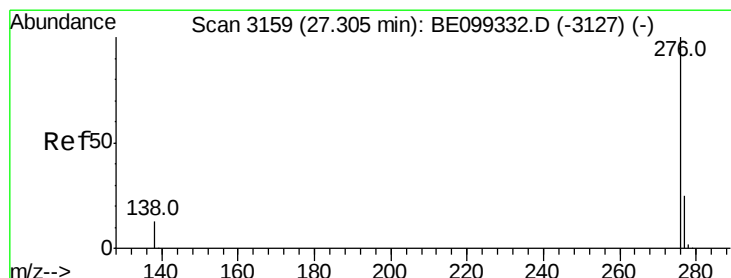
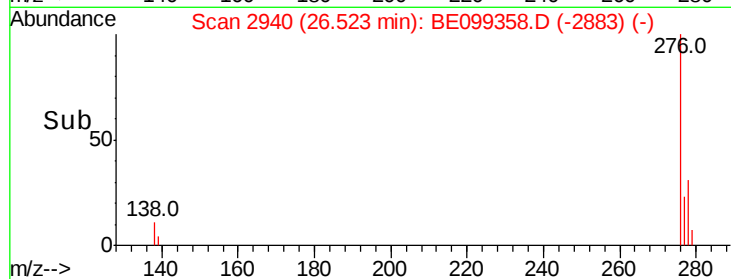
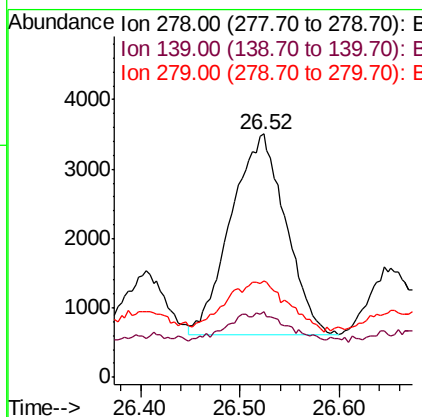
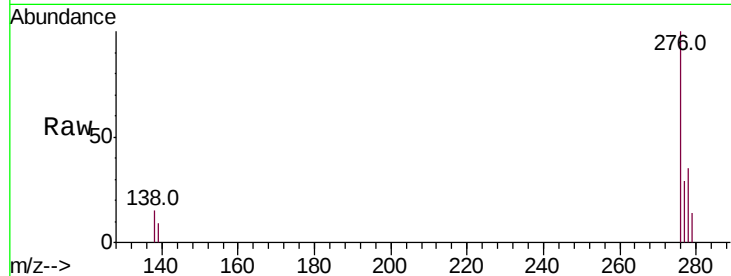
#38
Dibenzo(a,h)anthracene
Concen: 0.094 ng
RT: 26.52 min Scan# 2940
Delta R.T. 0.00 min
Lab File: BE099358.D
Acq: 25 Apr 2019 13:12

Instrument :
BNA_E
ClientSampleId :
EXT-073-SW058-042219

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.9	8.5	12.7#
279	39.8	19.8	29.8#

Manual Integrations
APPROVED

Sohil
4/29/2019 2:29:31 AM



#39
Benzo(g,h,i)perylene
Concen: 0.412 ng
RT: 27.32 min Scan# 3163
Delta R.T. 0.01 min
Lab File: BE099358.D
Acq: 25 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	20.0	30.0
138	14.4	11.1	16.7

