

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099390.D
 Acq On : 26 Apr 2019 22:54
 Operator : JU/SJ
 Sample : K2533-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW021-042219

Manual Integrations
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Sohil
 4/29/2019 1:31:49 PM

Quant Time: Apr 27 07:00:55 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	3903	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	16097	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	11362	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	30609	0.40	ng	0.00
27) Chrysene-d12	21.37	240	33663	0.40	ng	0.00
34) Perylene-d12	23.87	264	38862	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	4134	0.43	ng	0.01
5) Phenol-d6	6.98	99	6099	0.45	ng	0.00
8) Nitrobenzene-d5	8.96	82	5467	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	9455	0.33	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2328	0.62	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	13318	0.30	ng	0.00
25) Fluoranthene-d10	19.22	212	99266	0.27	ng	0.00
29) Terphenyl-d14	19.82	244	16537	0.25	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	4925	0.028	ng	# 96
12) 2-Methylnaphthalene	12.28	142	738	0.025	ng	90
16) Acenaphthylene	14.18	152	3679	0.072	ng	# 96
18) Fluorene	15.49	166	1533	0.034	ng	# 88
23) Phenanthrene	17.23	178	36114	0.446	ng	99
24) Anthracene	17.32	178	3457	0.048	ng	98
26) Fluoranthene	19.25	202	84642	0.780	ng	98
28) Pyrene	19.61	202	97998	0.988	ng	97
30) Benzo(a)anthracene	21.35	228	52397	0.529	ng	94
31) Chrysene	21.40	228	55336	0.525	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	39039	0.434	ng	100
33) Indeno(1,2,3-cd)pyrene	26.52	276	29101	0.280	ng	# 93
35) Benzo(b)fluoranthene	23.10	252	65883	0.554	ng	# 93
36) Benzo(k)fluoranthene	23.14	252	21736m	0.183	ng	
37) Benzo(a)pyrene	23.76	252	46363	0.435	ng	# 95
38) Dibenzo(a,h)anthracene	26.53	278	7217	0.066	ng	# 71
39) Benzo(a,h,i)perylene	27.33	276	29087	0.263	ng	97

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

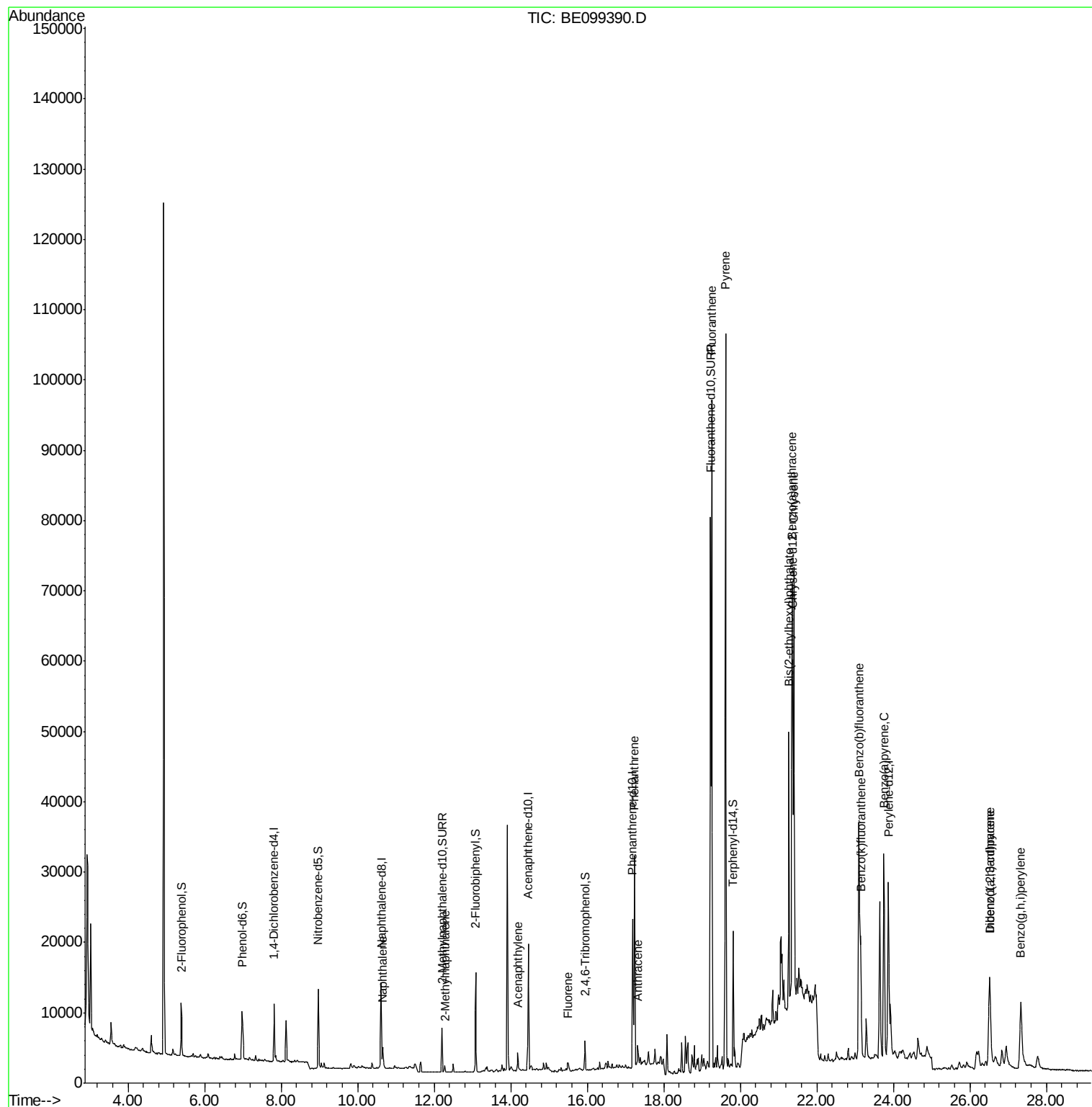
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
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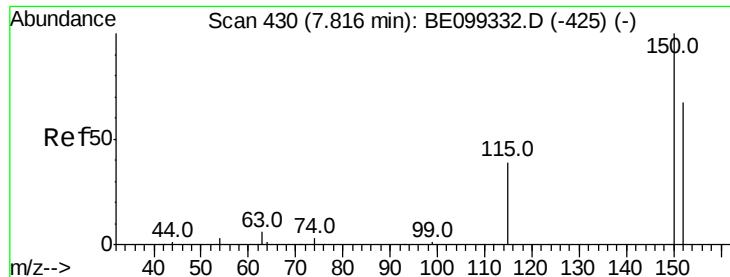
Instrument :
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EXT-028-SW021-042219

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Quant Time: Apr 27 07:00:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
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QLast Update : Fri Apr 19 06:51:38 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Instrument :

BNA_E

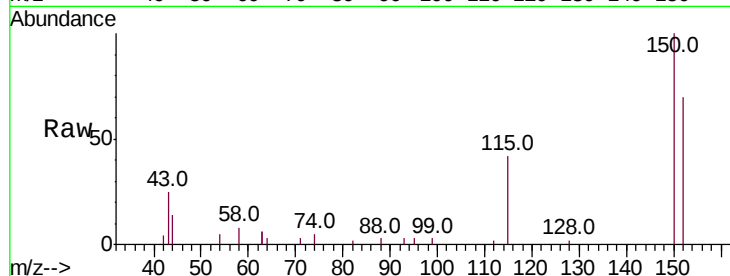
ClientSampleId :

EXT-028-SW021-042219

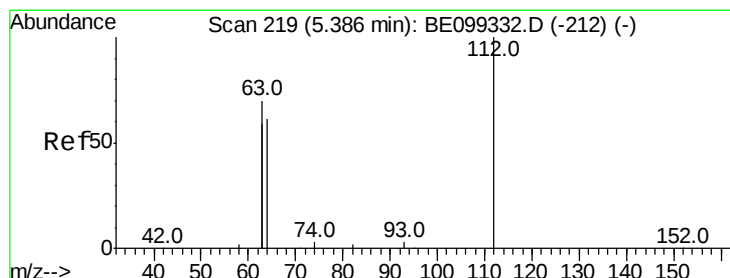
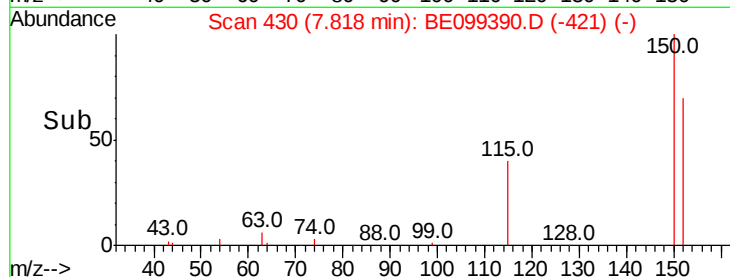
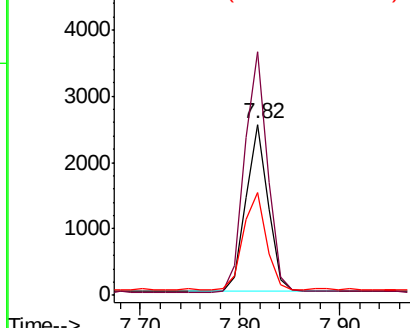
Tot Ion:	152	Resp:	3903
Ion	Ratio	Lower	Upper
152	100		
150	142.5	119.5	179.3
115	60.0	47.5	71.3

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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: 0.433 ng

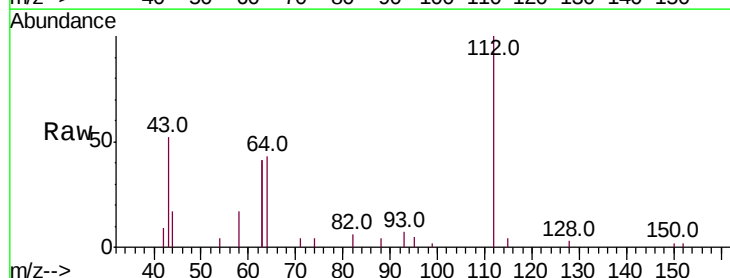
RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

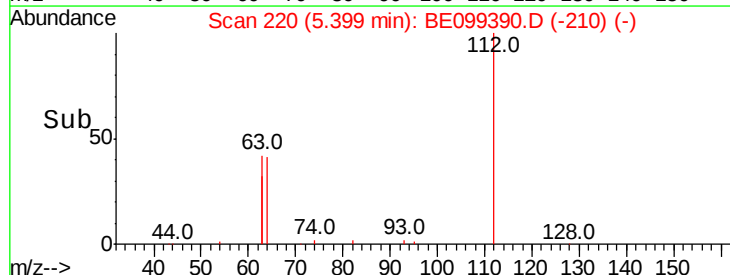
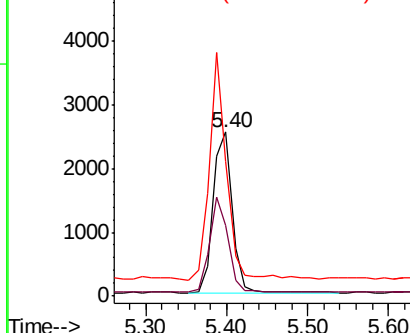
Lab File: BE099390.D

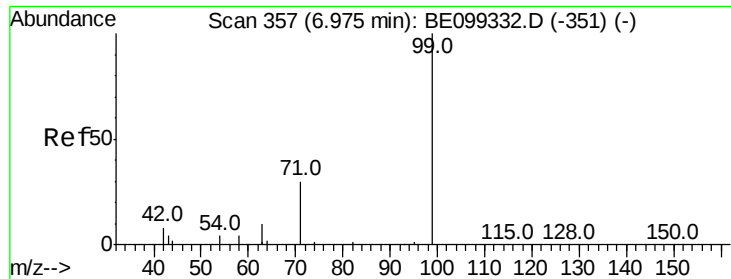
Acq: 26 Apr 2019 22:54

Tgt Ion:	112	Resp:	4134
Ion	Ratio	Lower	Upper
112	100		
64	58.2	44.9	67.3
63	124.6	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: 0.448 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Instrument :

BNA_E

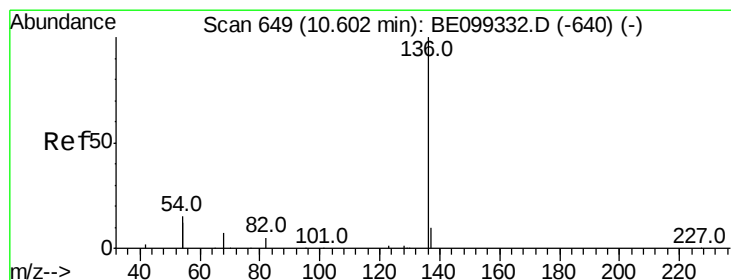
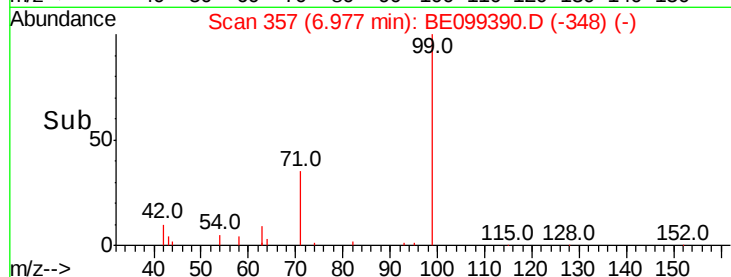
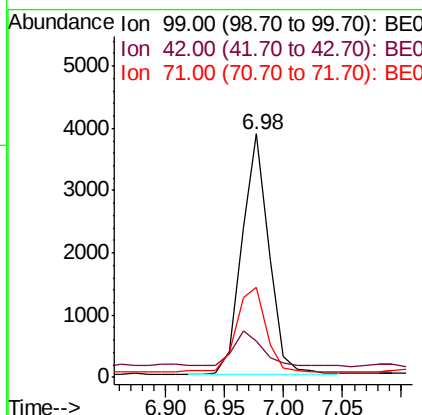
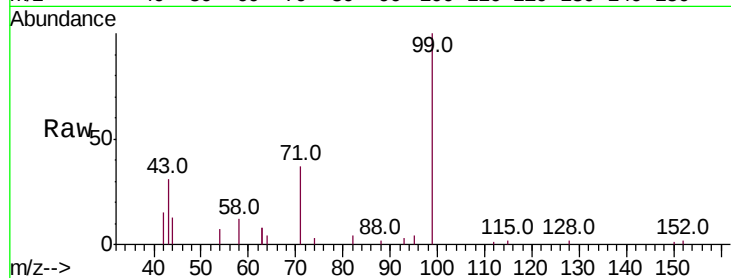
ClientSampleId :

EXT-028-SW021-042219

Tot Ion:	99	Resp:	6099
Ion	Ratio	Lower	Upper
99	100		
42	16.1	11.7	17.5
71	39.8	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

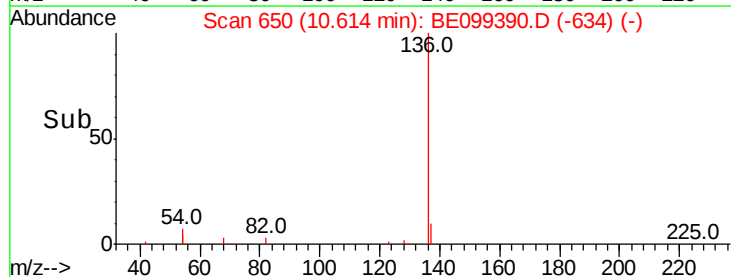
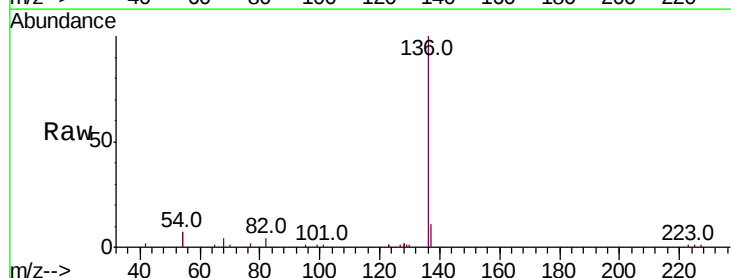
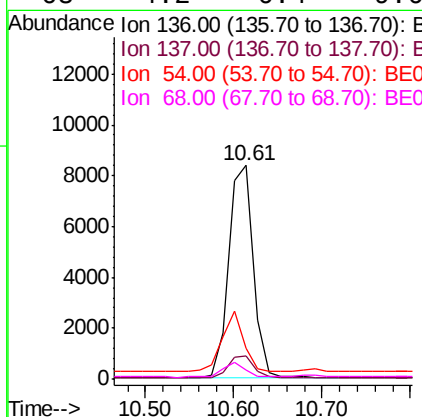
RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Tgt Ion:	136	Resp:	16097
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	14.3	23.8	35.8#
68	4.2	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.438 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Instrument :

BNA_E

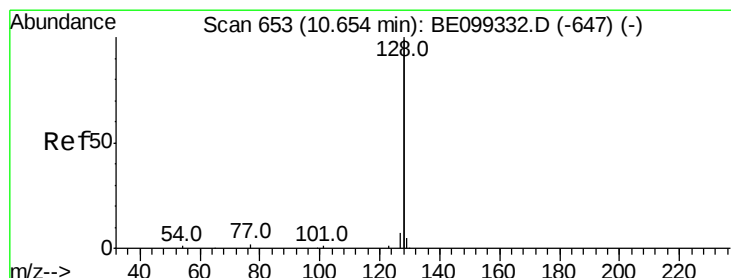
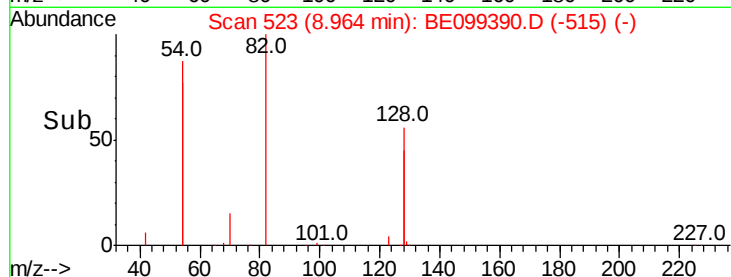
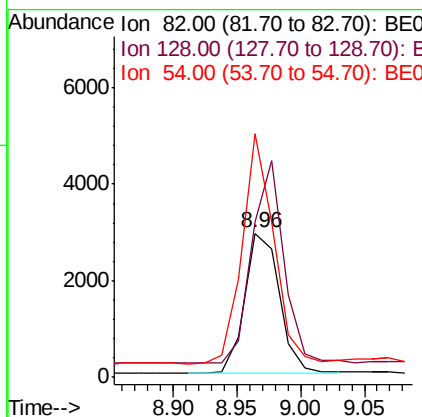
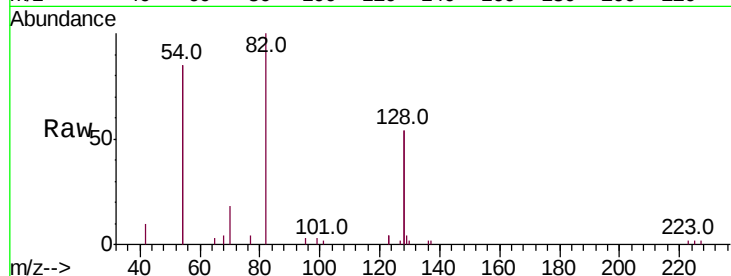
ClientSampleId :

EXT-028-SW021-042219

Tot Ion:	82	Resp:	5467
Ion Ratio	Lower	Upper	
82	100		
128	108.0	91.7	137.5
54	169.2	122.8	184.2

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#9

Naphthalene

Concen: 0.028 ng

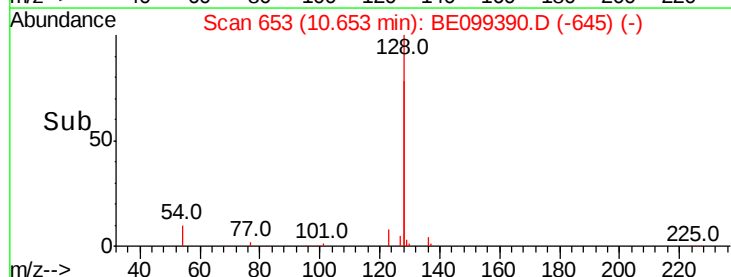
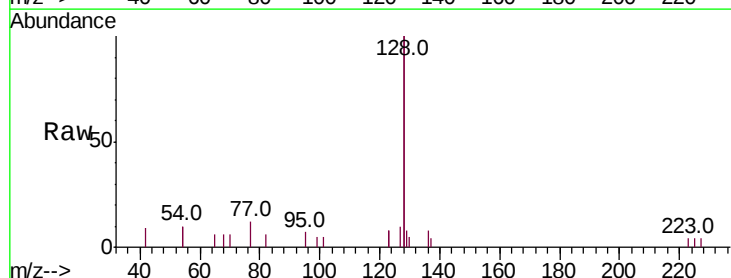
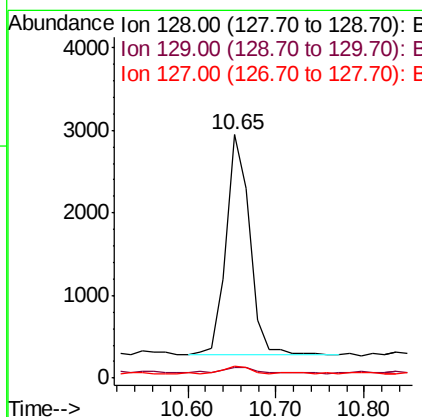
RT: 10.65 min Scan# 653

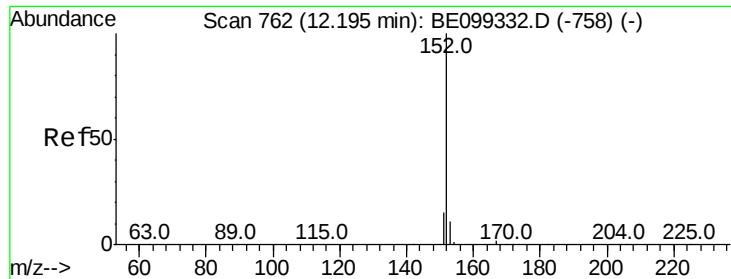
Delta R.T. -0.00 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Tgt Ion:	128	Resp:	4925
Ion Ratio	Lower	Upper	
128	100		
129	4.1	2.3	3.5#
127	4.9	2.8	4.2#





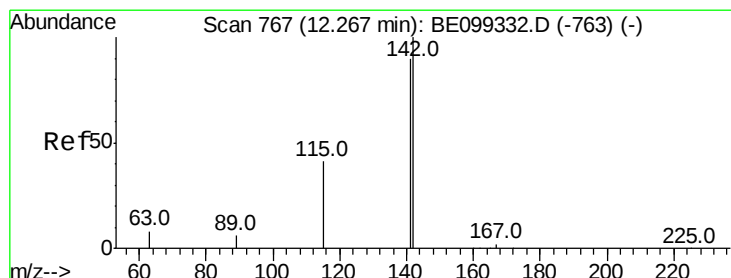
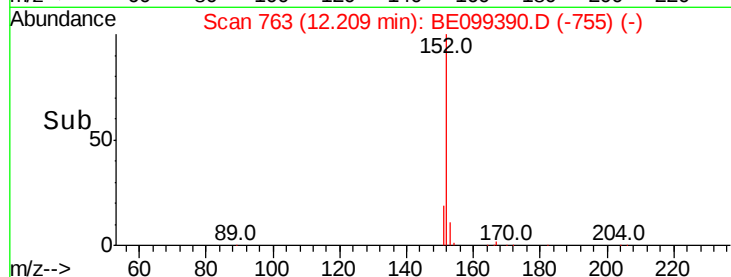
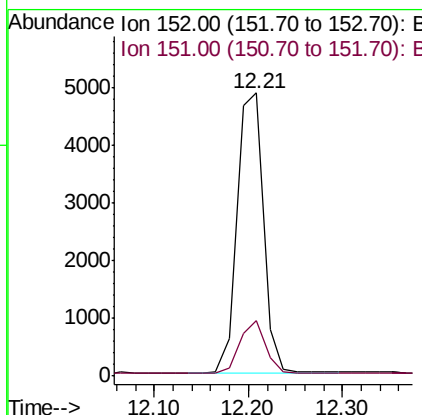
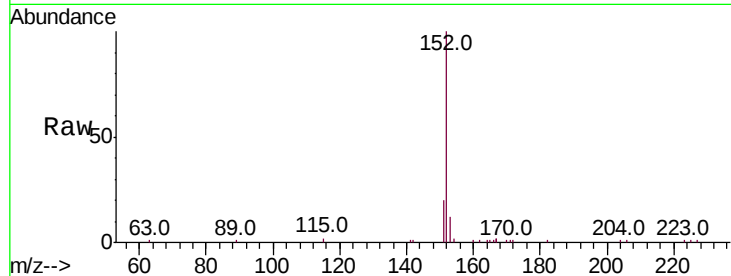
#11
 2-Methylnaphthalene-d10
 Concen: 0.333 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099390.D
 Acq: 26 Apr 2019 22:54

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW021-042219

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.7	14.9	22.3

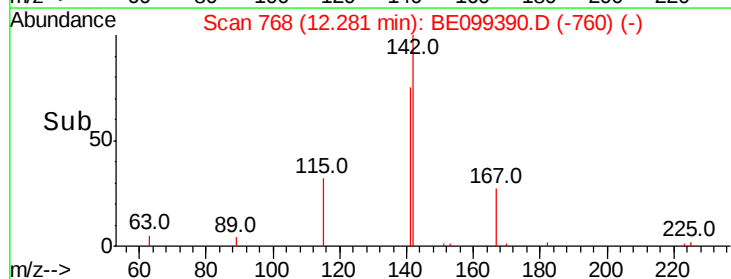
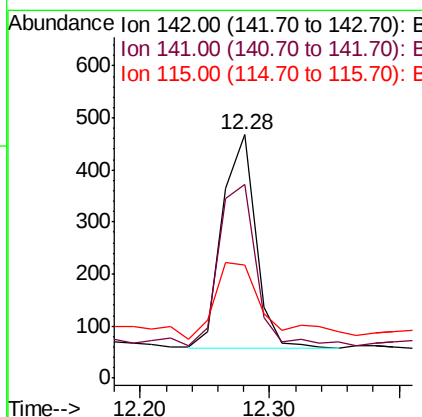
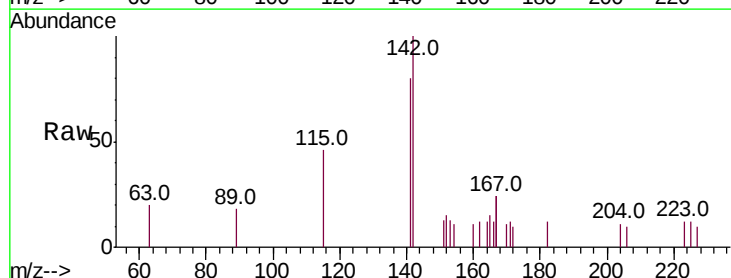
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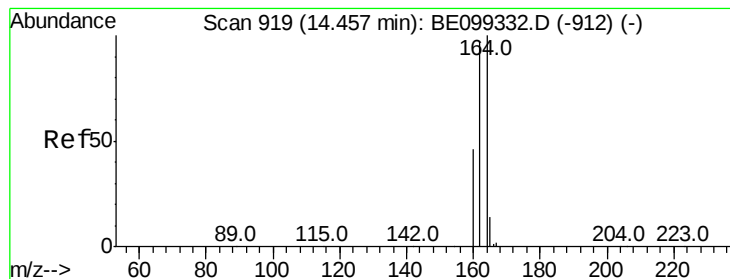
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#12
 2-Methylnaphthalene
 Concen: 0.025 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099390.D
 Acq: 26 Apr 2019 22:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.7	72.0	108.0
115	46.4	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: BE099390.D

Acq: 26 Apr 2019 22:54

Instrument :

BNA_E

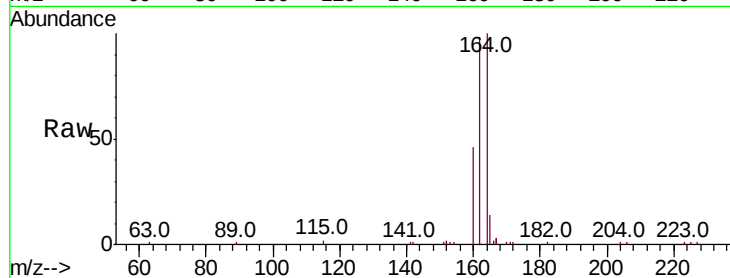
ClientSampleId :

EXT-028-SW021-042219

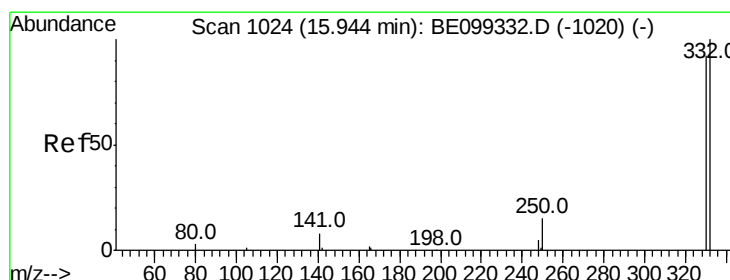
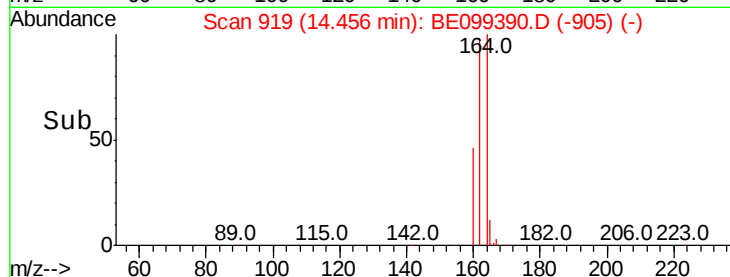
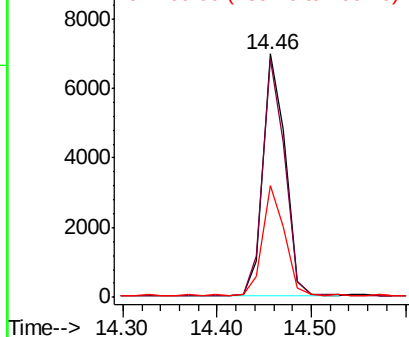
Tot Ion:	164	Resp:	11362
Ion Ratio	Lower	Upper	
164	100		
162	97.8	77.8	116.6
160	46.0	37.1	55.7

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



#14

2,4,6-Tribromophenol

Concen: 0.617 ng

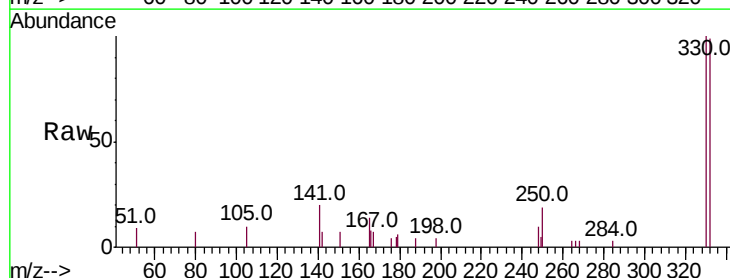
RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

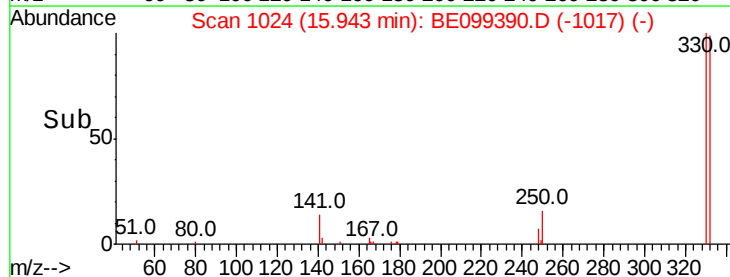
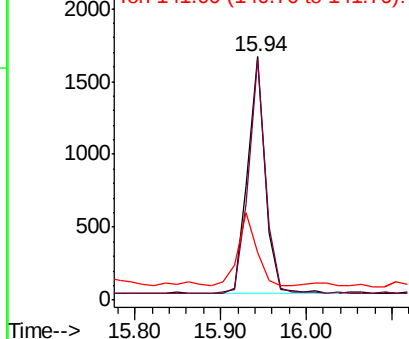
Lab File: BE099390.D

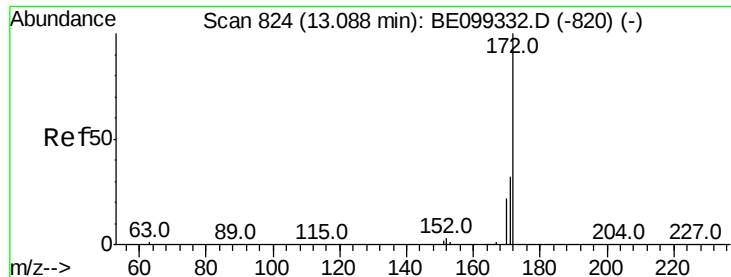
Acq: 26 Apr 2019 22:54

Tgt Ion:	330	Resp:	2328
Ion Ratio	Lower	Upper	
330	100		
332	96.7	82.5	123.7
141	32.6	24.9	37.3



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





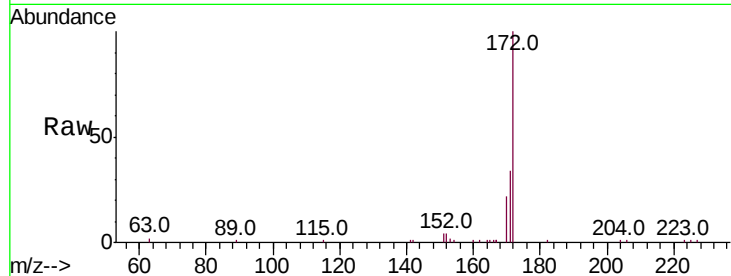
#15
 2-Fluorobiphenyl
 Concen: 0.298 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BE099390.D
 Acq: 26 Apr 2019 22:54

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW021-042219

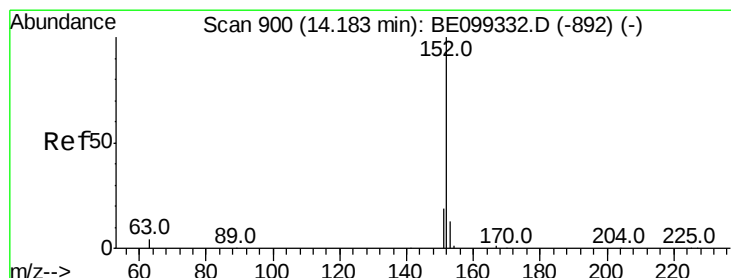
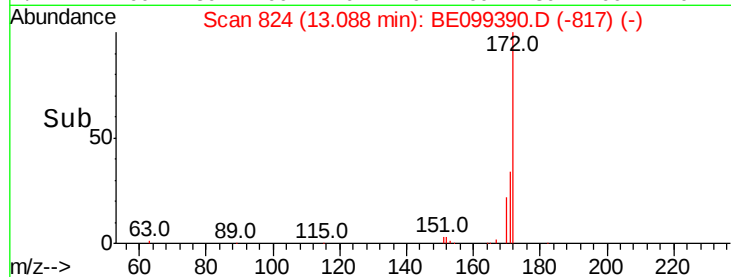
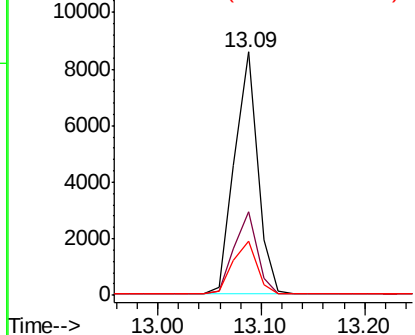
Tot Ion:	172	Resp:	13318
Ion Ratio	Lower	Upper	
172	100		
171	34.3	26.2	39.2
170	22.3	18.1	27.1

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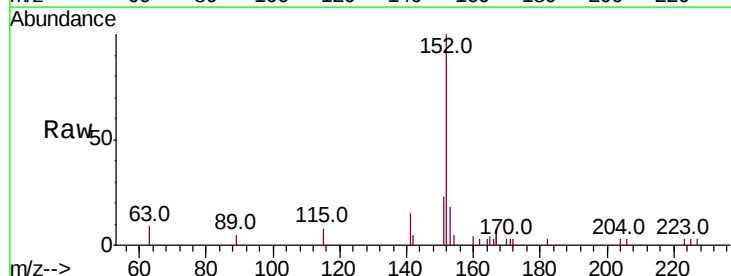


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

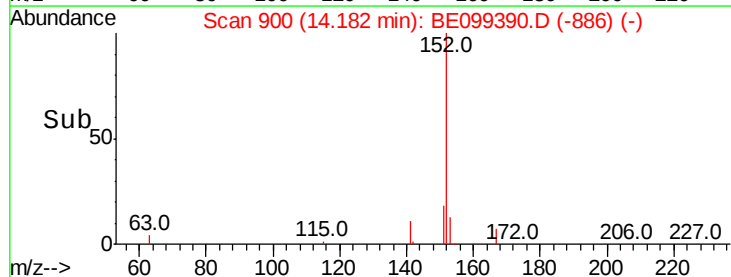
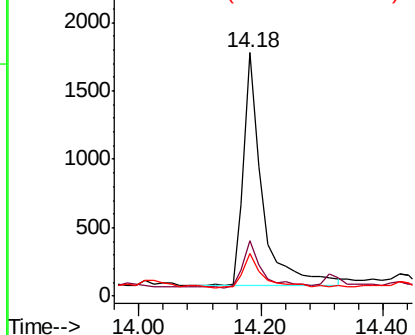


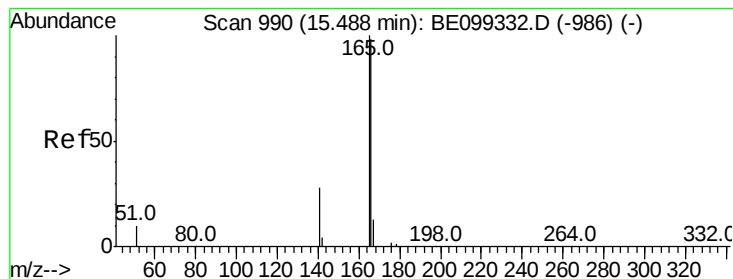
#16
 Acenaphthylene
 Concen: 0.072 ng
 RT: 14.18 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BE099390.D
 Acq: 26 Apr 2019 22:54

Tgt Ion:	152	Resp:	3679
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.5	23.3
153	16.2	10.2	15.4#



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





#18

Fluorene

Concen: 0.034 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Instrument :

BNA_E

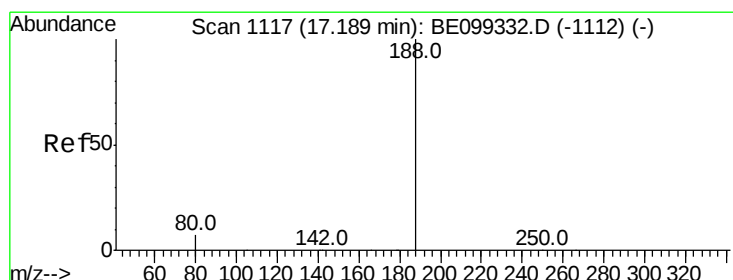
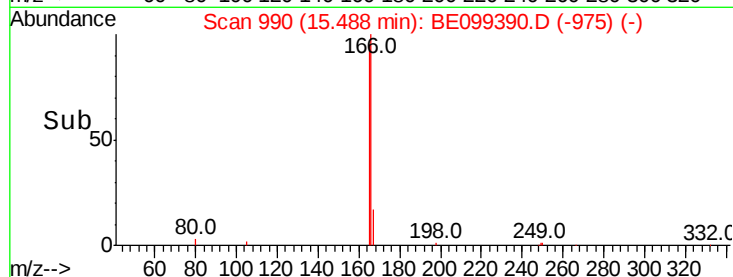
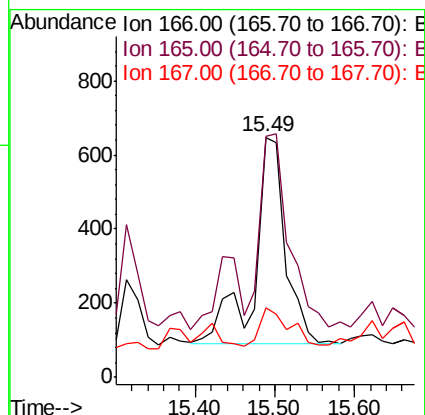
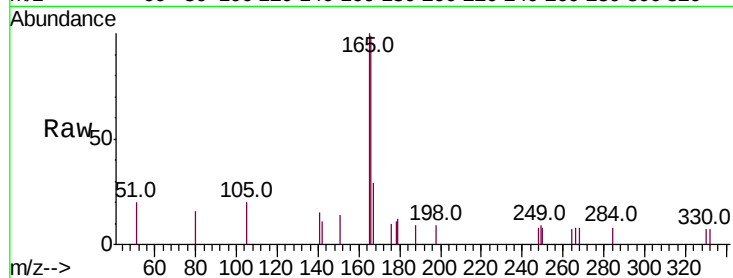
ClientSampleId :

EXT-028-SW021-042219

Tot Ion:	166	Resp:	1533
Ion Ratio	Lower	Upper	
166	100		
165	86.8	79.7	119.5
167	17.2	11.0	16.4#

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#19

Phenanthrene-d10

Concen: 0.400 ng

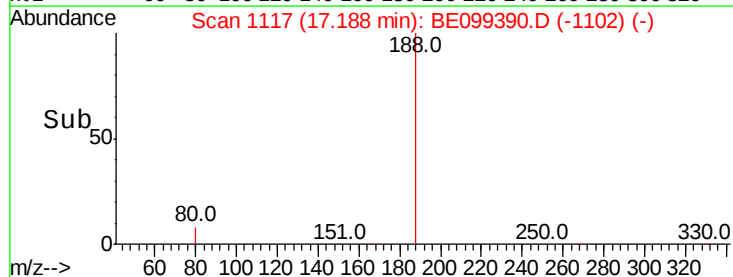
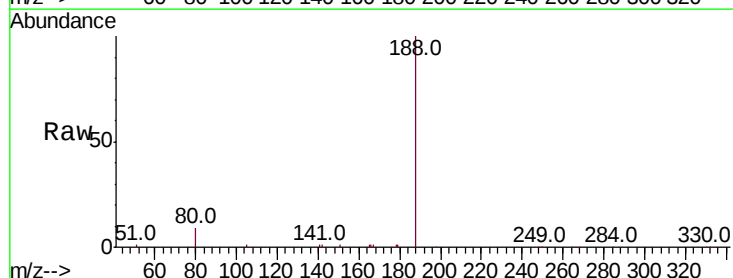
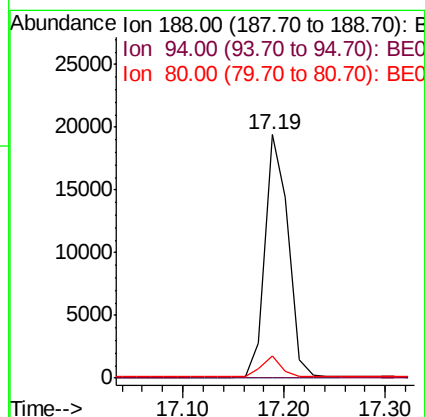
RT: 17.19 min Scan# 1117

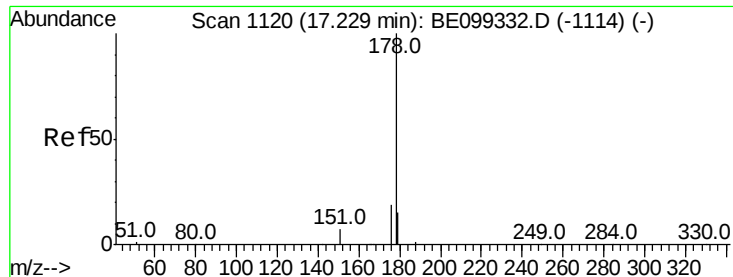
Delta R.T. -0.00 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Tgt Ion:	188	Resp:	30609
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.0	6.2	9.4





#23

Phenanthrene

Concen: 0.446 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Instrument :

BNA_E

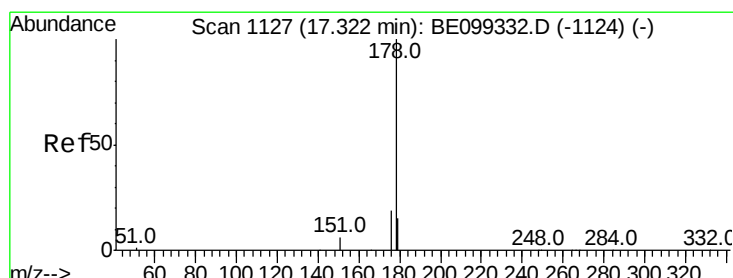
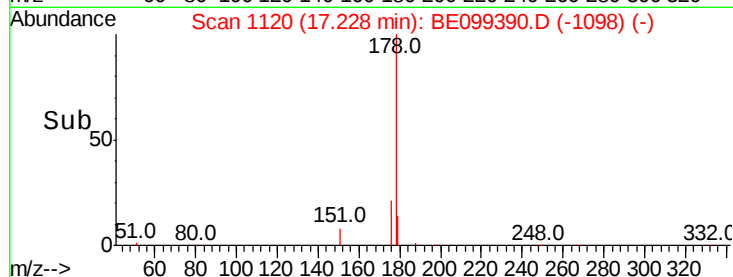
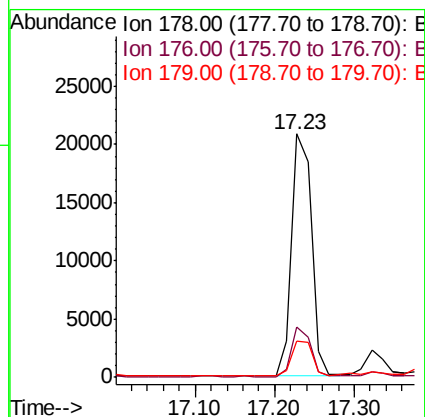
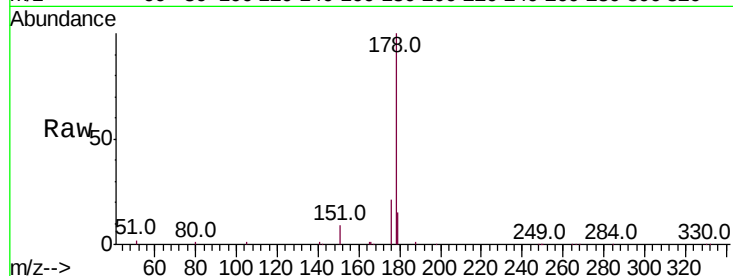
ClientSampleId :

EXT-028-SW021-042219

Tot Ion:	178	Resp:	36114
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.3	22.9
179	15.7	12.4	18.6

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#24

Anthracene

Concen: 0.048 ng

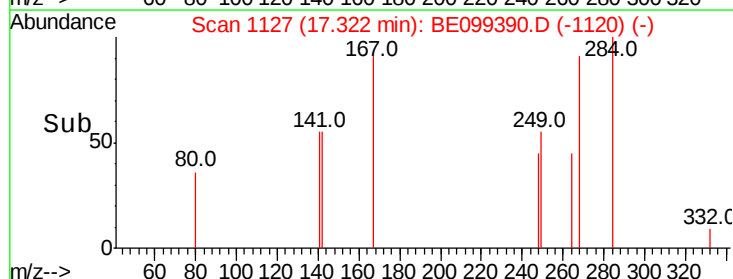
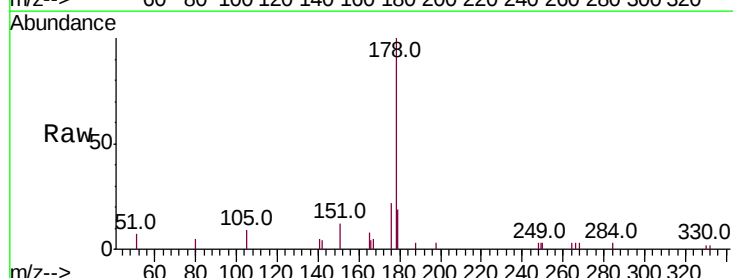
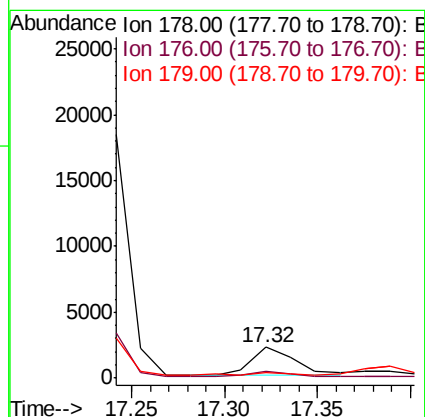
RT: 17.32 min Scan# 1127

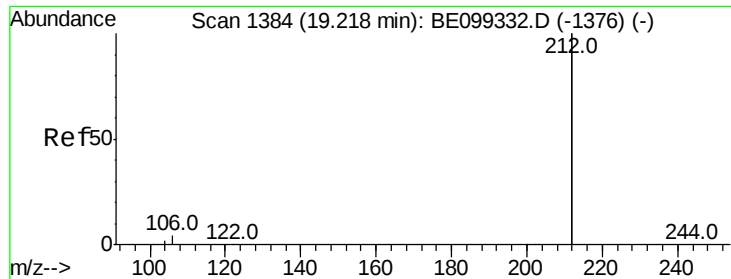
Delta R.T. -0.00 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Tgt Ion:	178	Resp:	3457
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.1	22.7
179	13.7	11.9	17.9





#25

Fluoranthene-d10

Concen: 0.270 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Instrument :

BNA_E

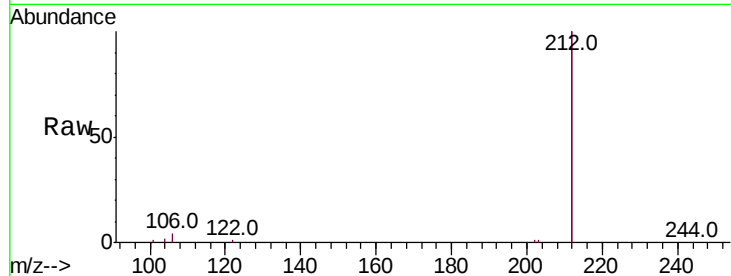
ClientSampleId :

EXT-028-SW021-042219

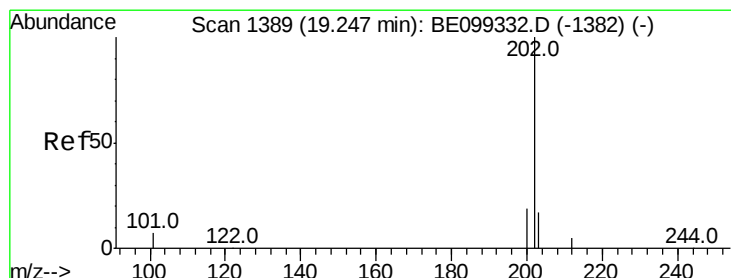
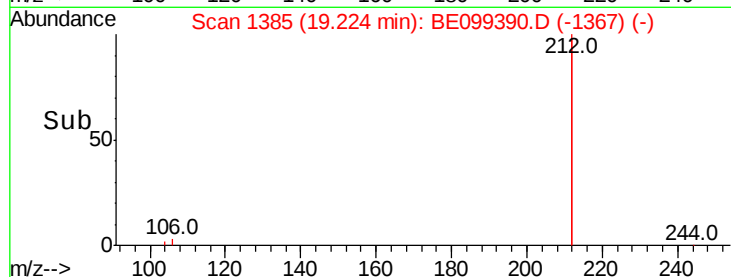
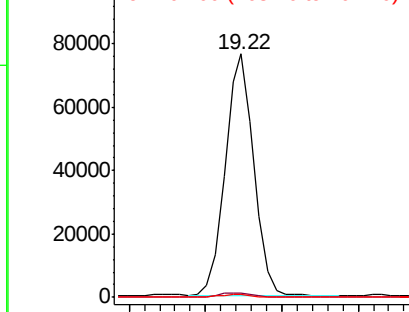
Tot Ion:	212	Resp:	99266
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.8	2.6
104	1.1	1.0	1.4

Manual Integrations
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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: 0.780 ng

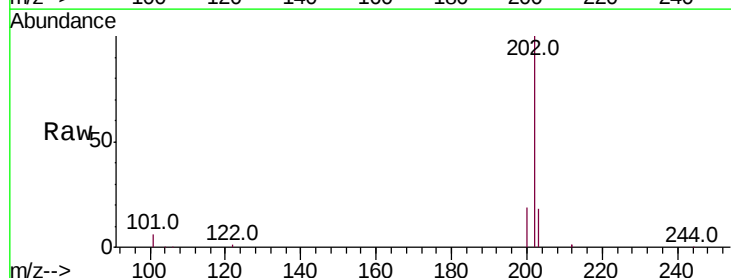
RT: 19.25 min Scan# 1390

Delta R.T. 0.01 min

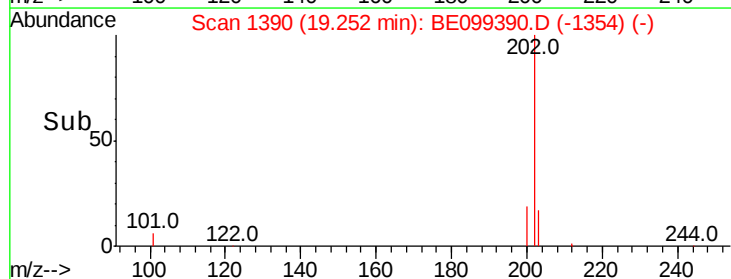
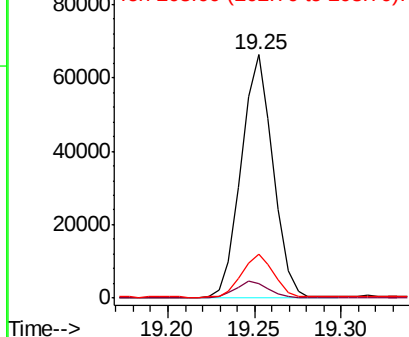
Lab File: BE099390.D

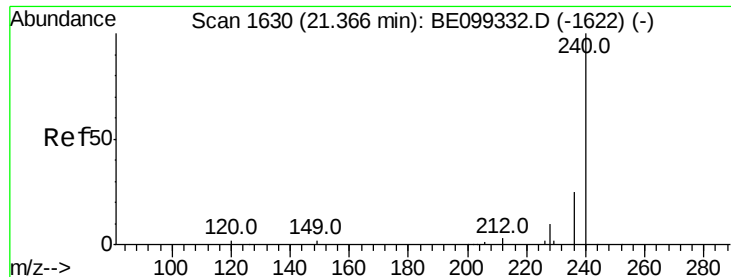
Acq: 26 Apr 2019 22:54

Tgt Ion:	202	Resp:	84642
Ion Ratio	Lower	Upper	
202	100		
101	6.8	6.4	9.6
203	17.6	13.5	20.3



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





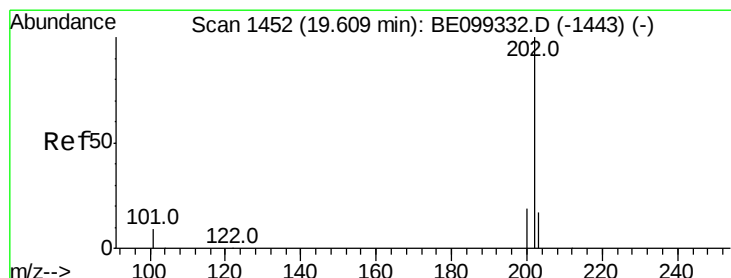
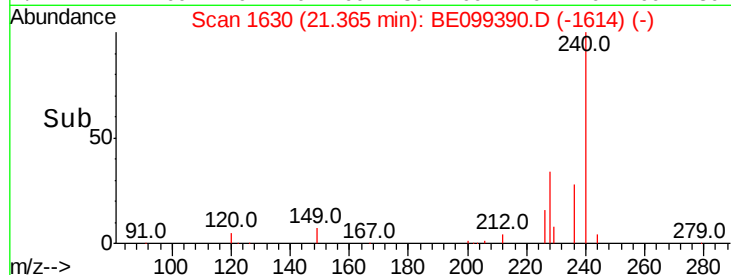
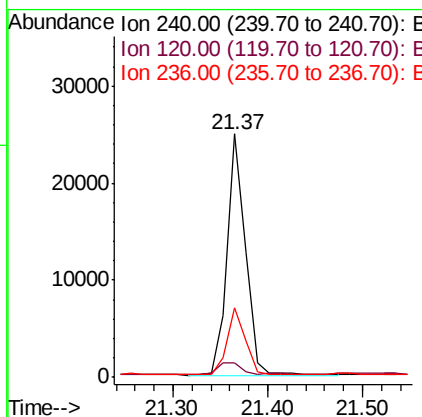
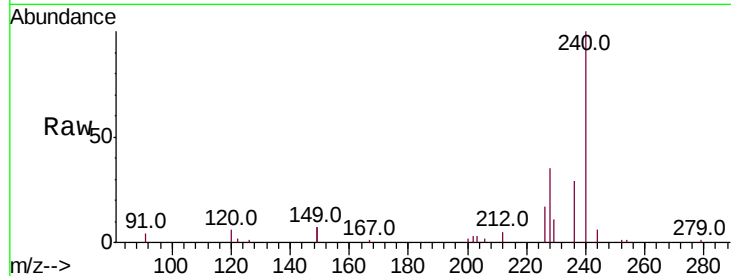
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099390.D
Acq: 26 Apr 2019 22:54

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW021-042219

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.9	2.2	3.2#
236	28.6	20.2	30.4

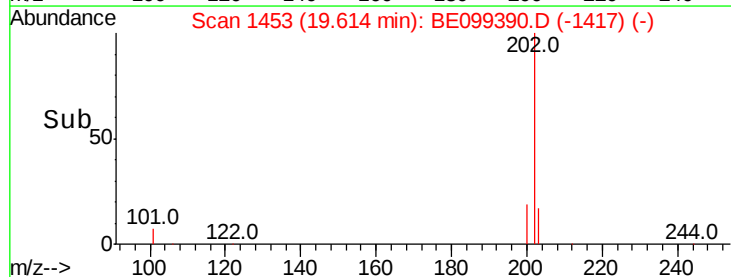
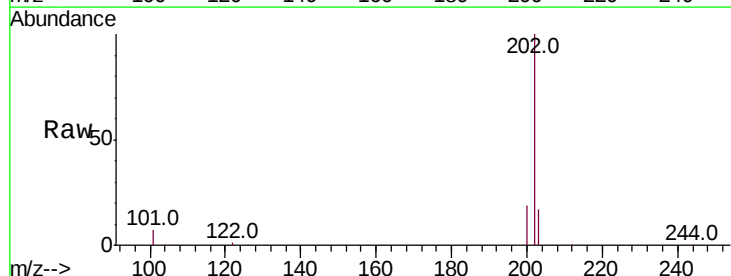
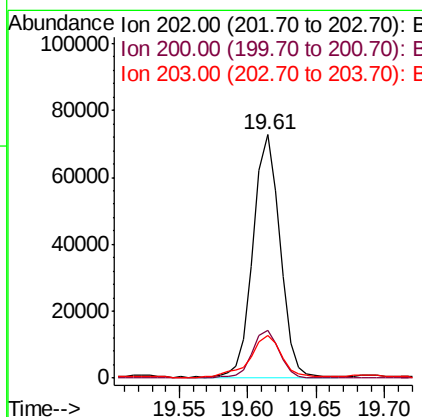
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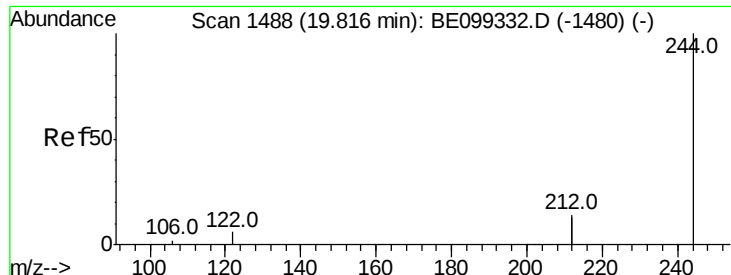
Sohil
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#28
Pyrene
Concen: 0.988 ng
RT: 19.61 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE099390.D
Acq: 26 Apr 2019 22:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	20.3	13.7	20.5





#29

Terphenyl-d14

Concen: 0.250 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Instrument :

BNA_E

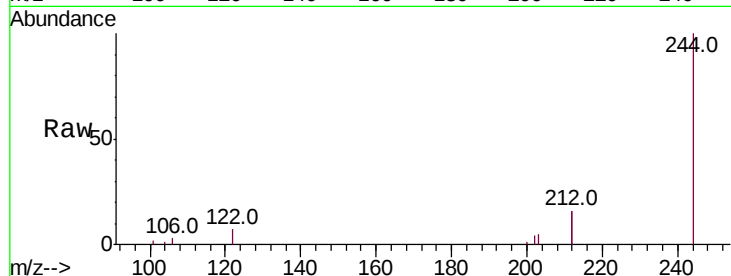
ClientSampleId :

EXT-028-SW021-042219

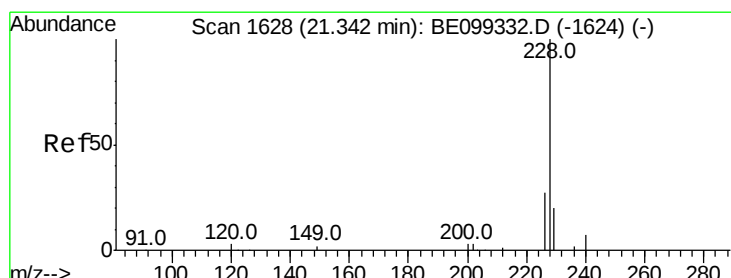
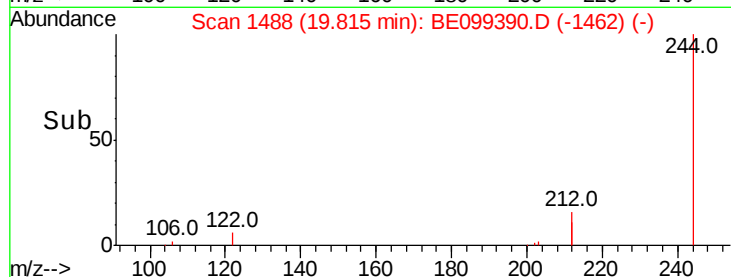
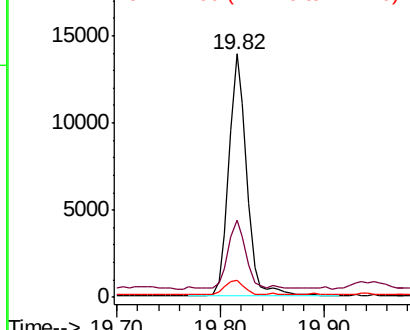
Tot Ion	Ratio	Lower	Upper
244	100		
212	31.7	22.6	33.8
122	7.0	4.6	7.0

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.529 ng

RT: 21.35 min Scan# 1629

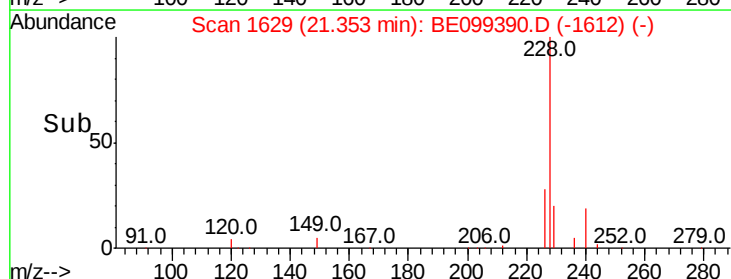
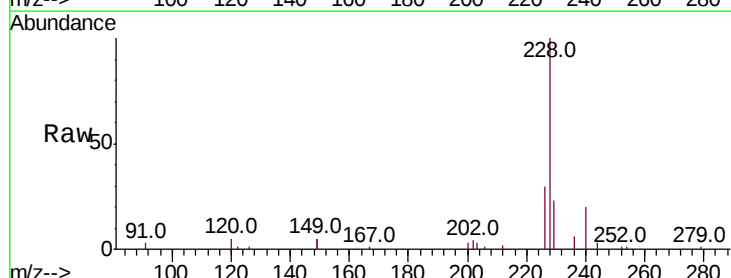
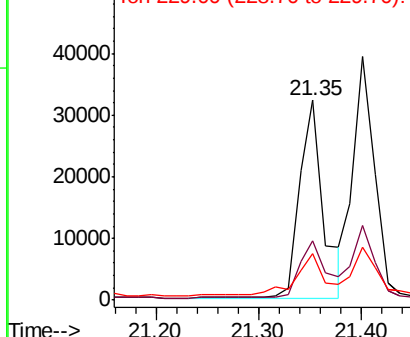
Delta R.T. 0.01 min

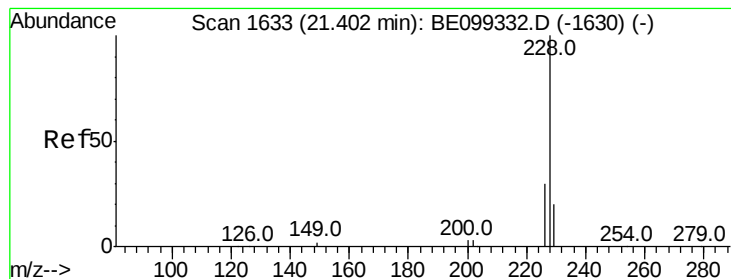
Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.0	33.0
229	23.3	15.8	23.8

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.525 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Instrument :

BNA_E

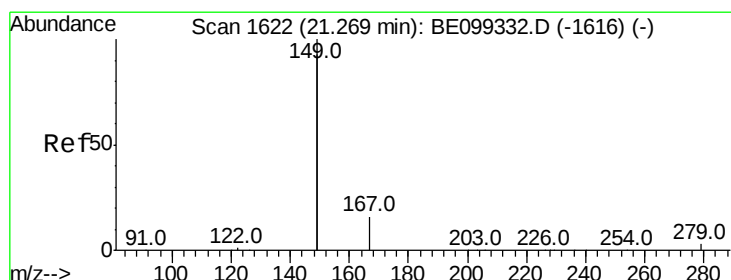
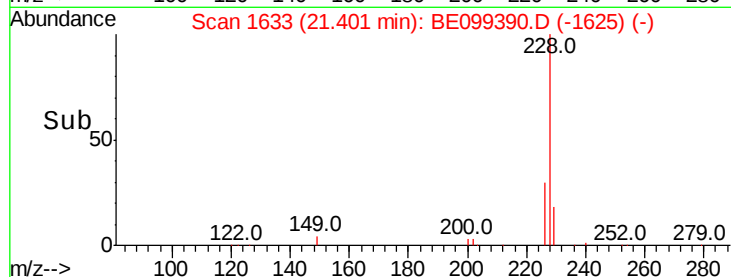
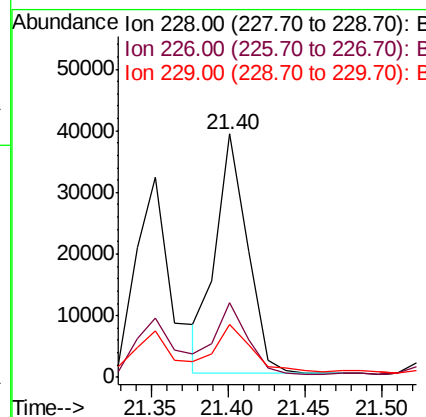
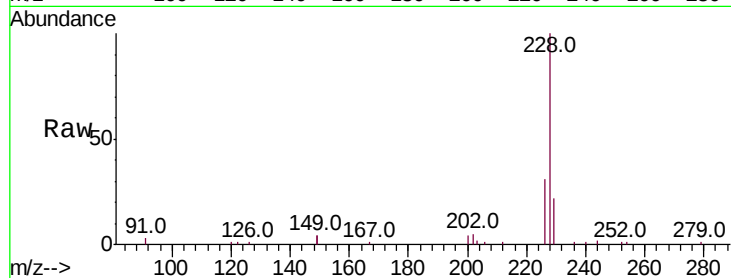
ClientSampleId :

EXT-028-SW021-042219

Tot Ion:	228	Resp:	55336
Ion Ratio	Lower	Upper	
228	100		
226	30.5	23.4	35.2
229	21.7	16.2	24.2

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.434 ng

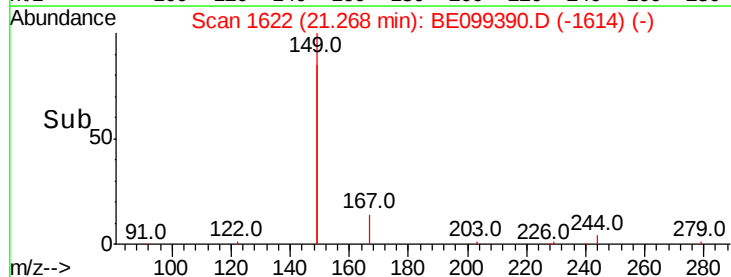
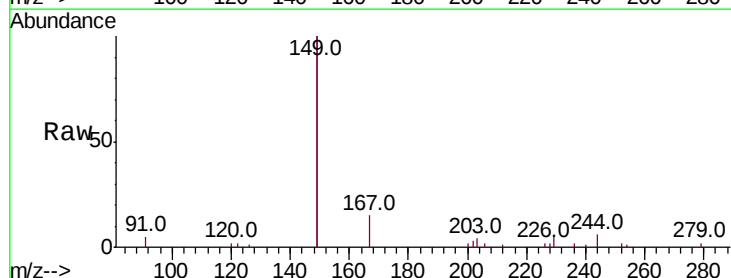
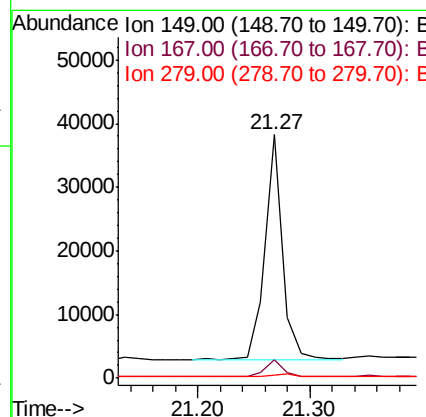
RT: 21.27 min Scan# 1622

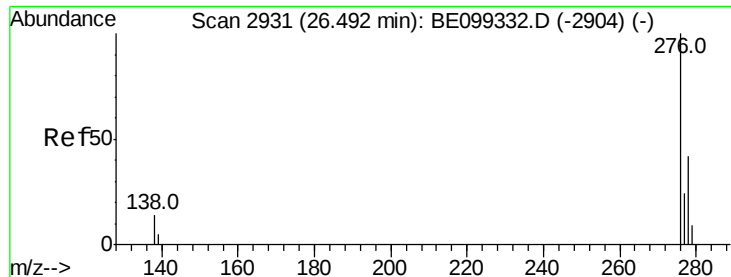
Delta R.T. -0.00 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Tgt Ion:	149	Resp:	39039
Ion Ratio	Lower	Upper	
149	100		
167	7.4	6.0	9.0
279	1.5	1.1	1.7





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.280 ng

RT: 26.52 min Scan# 2938

Delta R.T. 0.02 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Instrument :

BNA_E

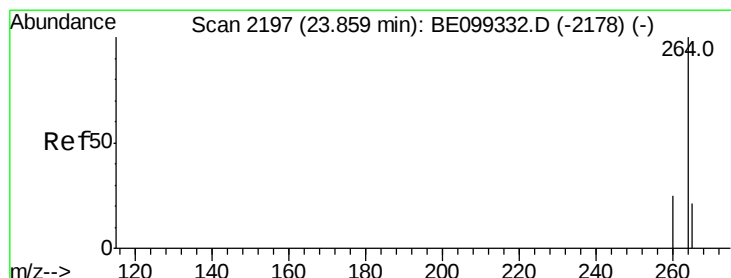
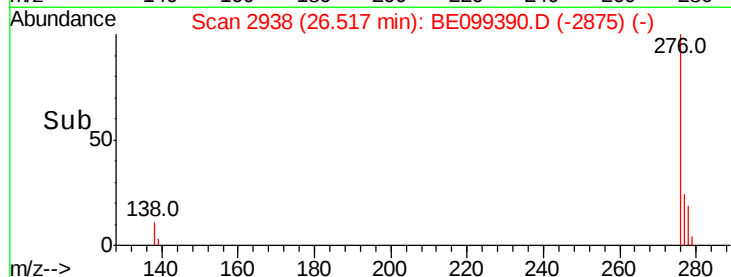
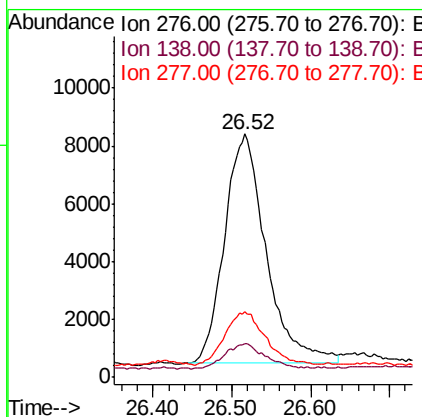
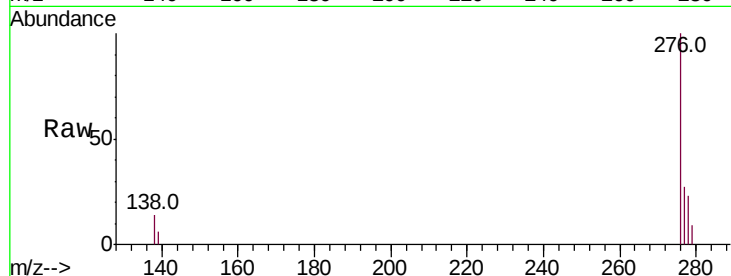
ClientSampleId :

EXT-028-SW021-042219

Tot Ion:	276	Resp:	29101
Ion Ratio	Lower	Upper	
276	100		
138	11.1	12.7	19.1#
277	22.3	19.6	29.4

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#34

Perylene-d12

Concen: 0.400 ng

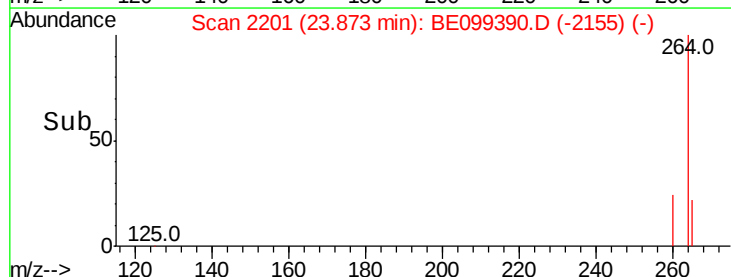
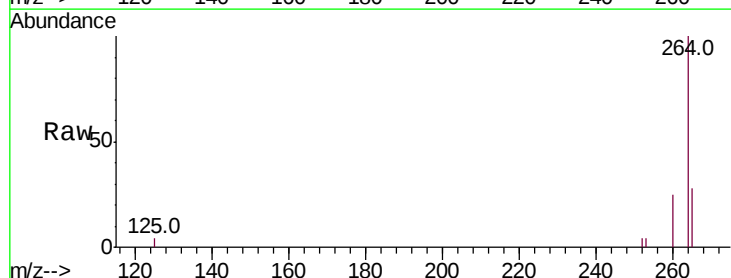
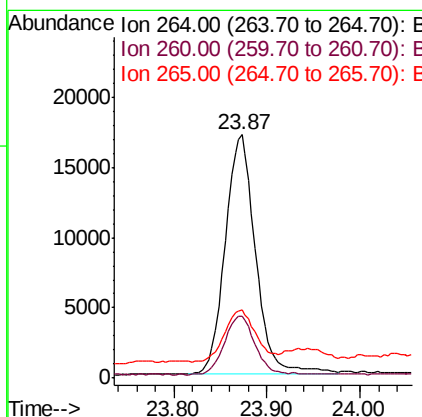
RT: 23.87 min Scan# 2201

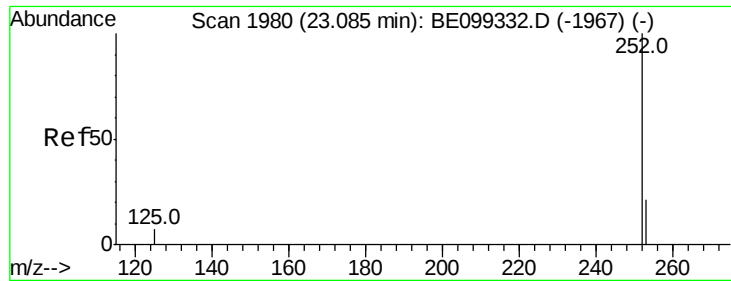
Delta R.T. 0.01 min

Lab File: BE099390.D

Acq: 26 Apr 2019 22:54

Tgt Ion:	264	Resp:	38862
Ion Ratio	Lower	Upper	
264	100		
260	25.3	20.1	30.1
265	28.1	19.9	29.9





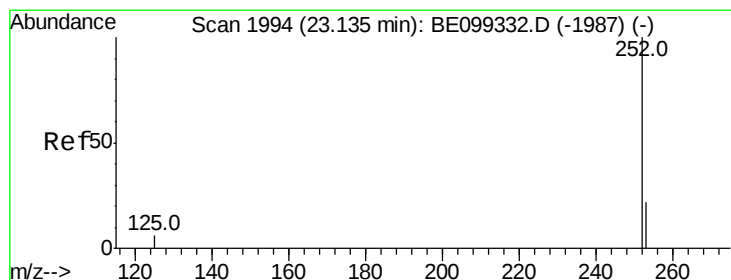
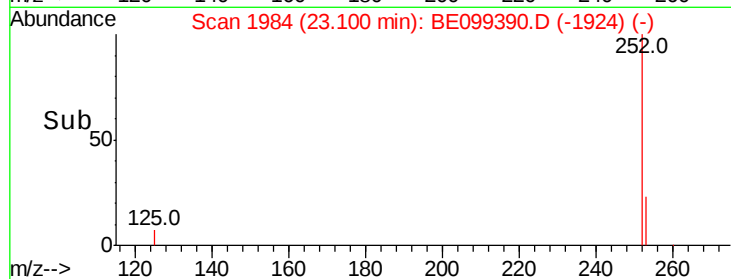
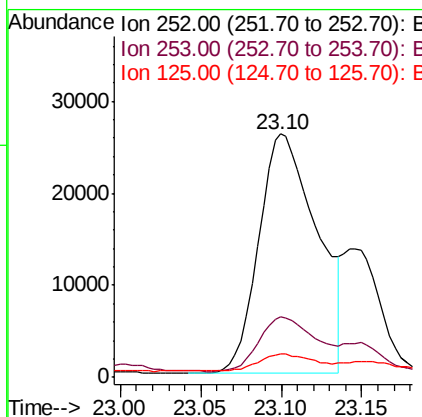
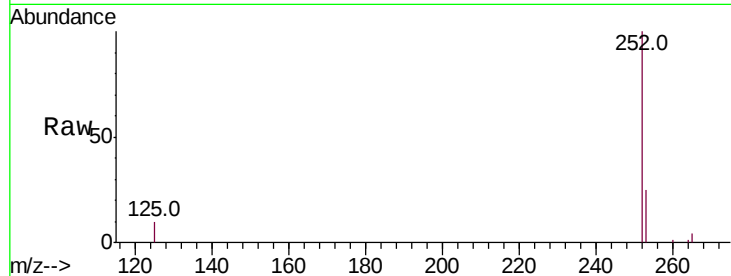
#35
Benzo(b)fluoranthene
Concen: 0.554 ng
RT: 23.10 min Scan# 1984
Delta R.T. 0.01 min
Lab File: BE099390.D
Acq: 26 Apr 2019 22:54

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW021-042219

Tot Ion:252 Resp: 65883
Ion Ratio Lower Upper
252 100
253 24.8 17.3 25.9
125 9.7 5.8 8.6#

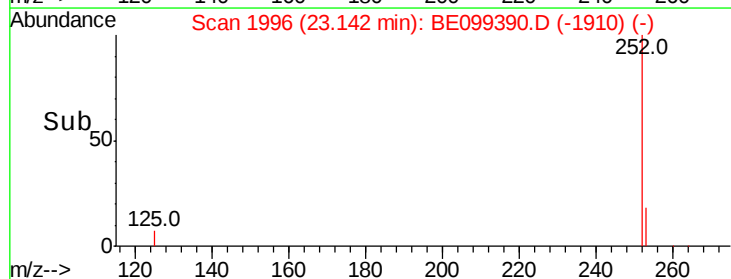
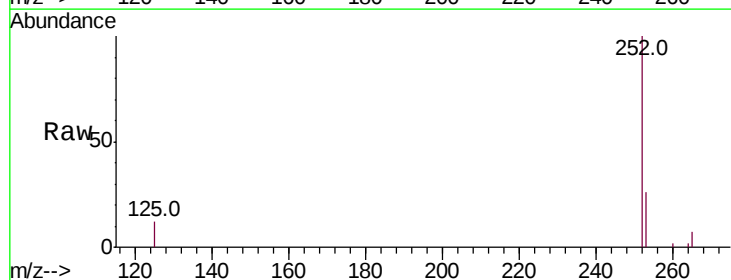
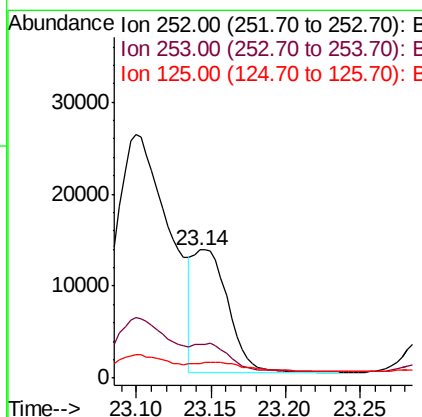
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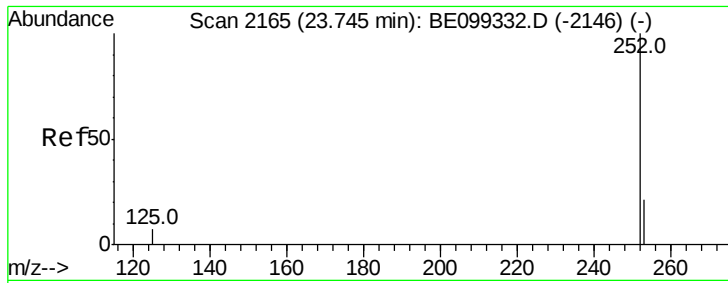
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.183 ng m
RT: 23.14 min Scan# 1996
Delta R.T. 0.01 min
Lab File: BE099390.D
Acq: 26 Apr 2019 22:54

Tgt Ion:252 Resp: 21736
Ion Ratio Lower Upper
252 100
253 26.0 18.4 27.6
125 11.7 5.4 8.0#





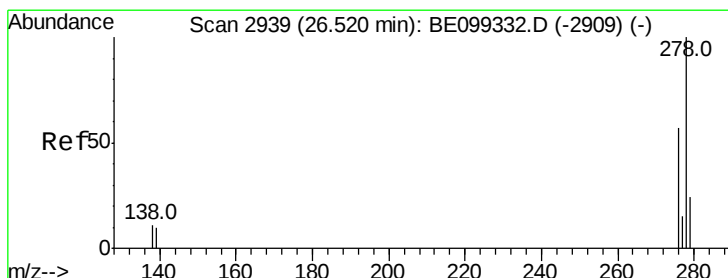
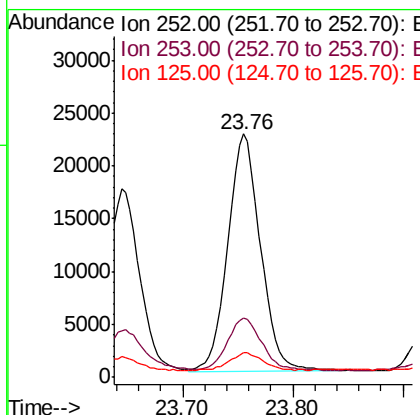
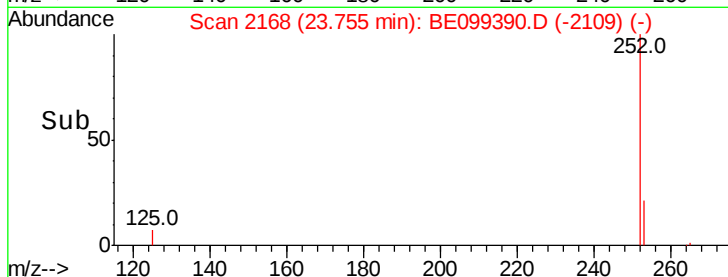
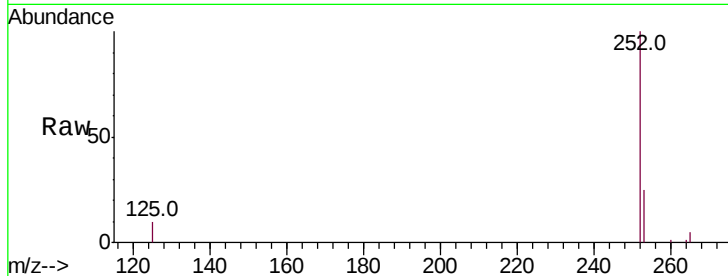
#37
Benzo(a)pyrene
Concen: 0.435 ng
RT: 23.76 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BE099390.D
Acq: 26 Apr 2019 22:54

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW021-042219

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.6	26.4
125	10.0	6.5	9.7

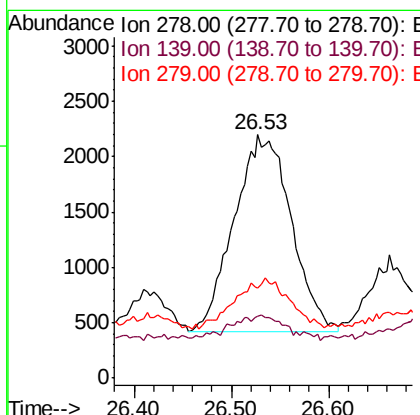
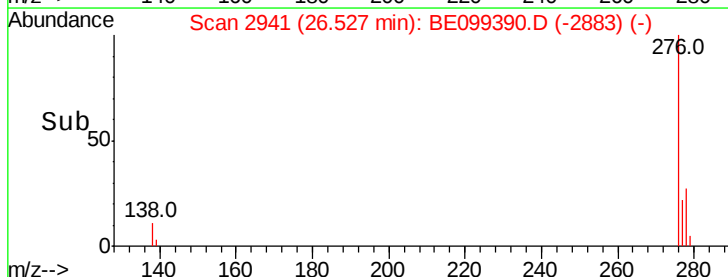
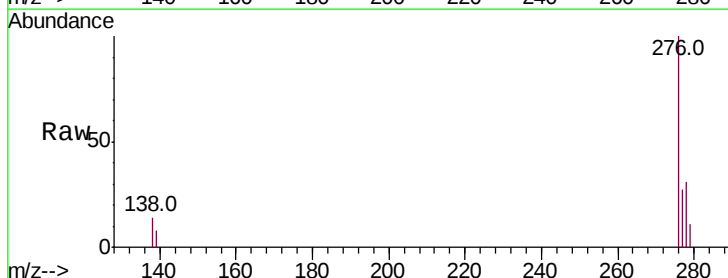
Manual Integrations
APPROVED

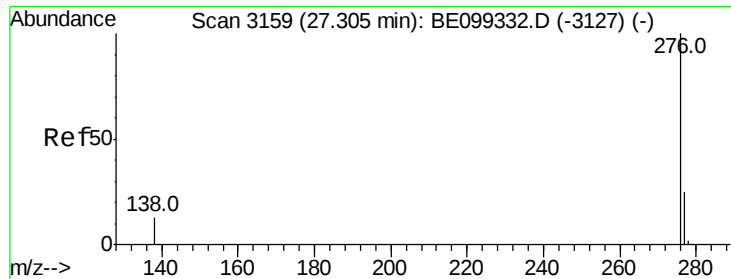
Sohil
4/29/2019 1:31:49 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.066 ng
RT: 26.53 min Scan# 2941
Delta R.T. 0.01 min
Lab File: BE099390.D
Acq: 26 Apr 2019 22:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.5	8.5	12.7
279	36.9	19.8	29.8





#39

Benzo(a,h,i)perylene

Concen: 0.263 ng

RT: 27.33 min Scan# 3167

Delta R.T. 0.03 min

Lab File: BE099390.D

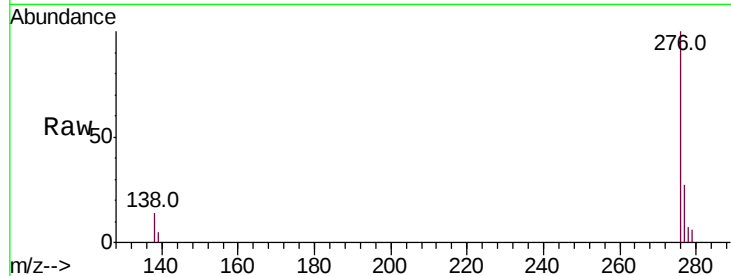
Acq: 26 Apr 2019 22:54

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW021-042219



Tot Ion:	276	Resp:	29087
Ion Ratio	Lower	Upper	
276	100		
277	27.0	20.0	30.0
138	13.9	11.1	16.7

Manual Integrations
APPROVED

Sohil
4/29/2019 1:31:49 PM

