

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099394.D
 Acq On : 27 Apr 2019 1:21
 Operator : JU/SJ
 Sample : K2533-19
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-027-SW019-042219

Manual Integrations
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Sohil
 4/29/2019 1:31:58 PM

Quant Time: Apr 27 07:14:11 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	3400	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	13629	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	10282	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	28113	0.40	ng	0.01
27) Chrysene-d12	21.37	240	31955	0.40	ng	0.00
34) Perylene-d12	23.88	264	36677	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	3662	0.44	ng	0.01
5) Phenol-d6	6.97	99	5267	0.44	ng	0.00
8) Nitrobenzene-d5	8.98	82	4797	0.45	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	9338	0.39	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2521	0.74	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	13731	0.34	ng	0.00
25) Fluoranthene-d10	19.22	212	126392	0.37	ng	0.00
29) Terphenyl-d14	19.82	244	21563	0.34	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.65	128	5476	0.037	ng	# 95
12) 2-Methylnaphthalene	12.28	142	833	0.033	ng	# 95
16) Acenaphthylene	14.18	152	4345	0.093	ng	98
17) Acenaphthene	14.53	154	582	0.020	ng	93
18) Fluorene	15.50	166	2343	0.057	ng	# 88
23) Phenanthrene	17.24	178	47292	0.635	ng	99
24) Anthracene	17.32	178	4050	0.061	ng	# 78
26) Fluoranthene	19.25	202	82449	0.827	ng	98
28) Pyrene	19.62	202	85374	0.907	ng	# 96
30) Benzo(a)anthracene	21.35	228	48014	0.511	ng	# 94
31) Chrysene	21.40	228	50592m	0.506	ng	
32) Bis(2-ethylhexyl)phthalate	21.27	149	48842	0.571	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.52	276	20907	0.212	ng	95
35) Benzo(b)fluoranthene	23.10	252	54930	0.489	ng	# 76
36) Benzo(k)fluoranthene	23.15	252	21663m	0.194	ng	
37) Benzo(a)pyrene	23.76	252	39444	0.392	ng	# 86
38) Dibenzo(a,h)anthracene	26.54	278	5544	0.054	ng	# 25
39) Benzo(a,h,i)perylene	27.35	276	18935	0.182	ng	# 82

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

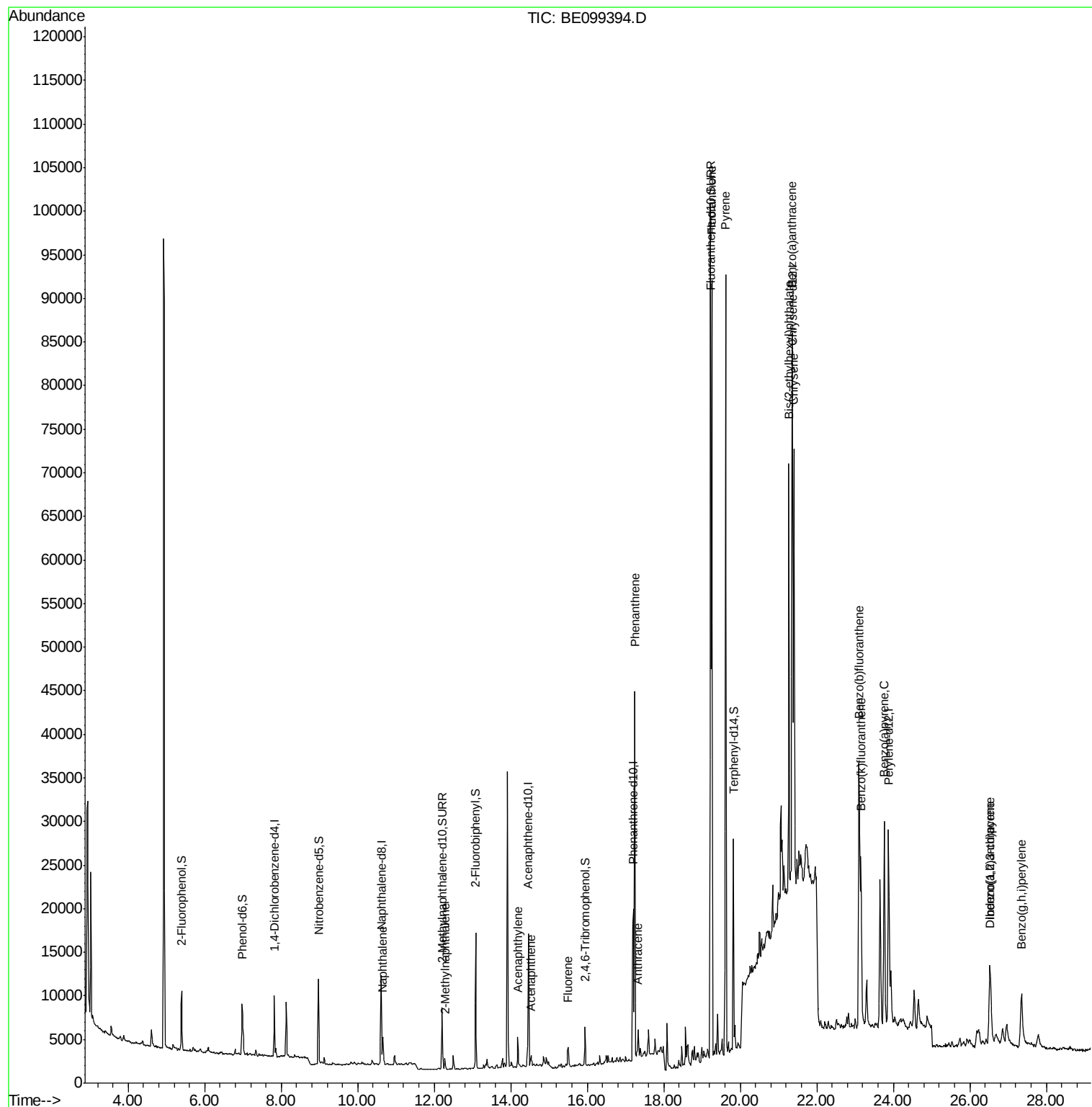
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
Data File : BE099394.D
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ALS Vial : 24 Sample Multiplier: 1

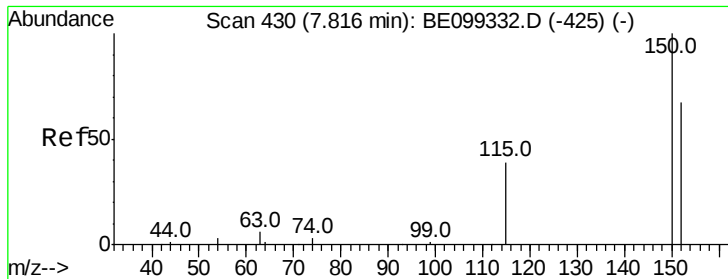
Instrument :
BNA_E
ClientSampleId :
EXT-027-SW019-042219

Manual Integrations
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Sohil
4/29/2019 1:31:58 PM

Quant Time: Apr 27 07:14:11 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





#1

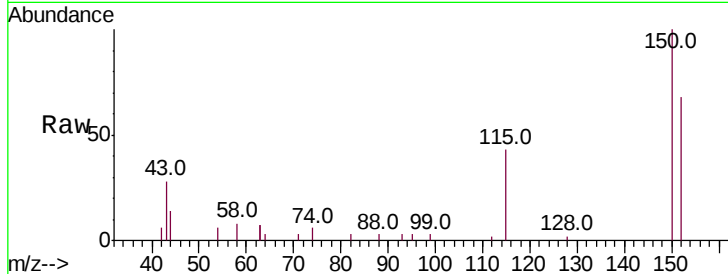
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.82 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: BE099394.D
 Acq: 27 Apr 2019 1:21

Instrument :
 BNA_E
 ClientSampleId :
 EXT-027-SW019-042219

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.8	119.5	179.3
115	62.8	47.5	71.3

Manual Integrations
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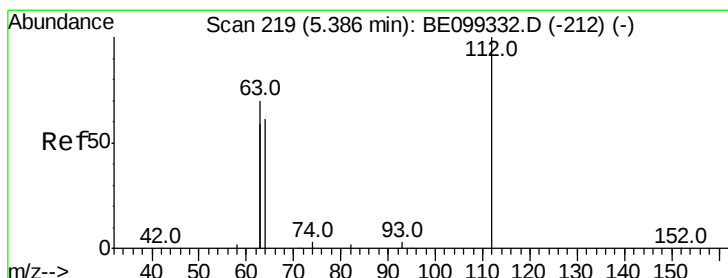
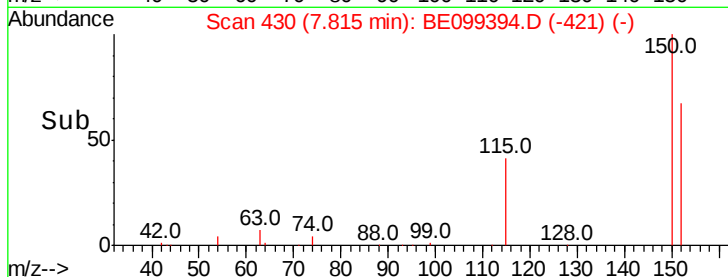
Abundance

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

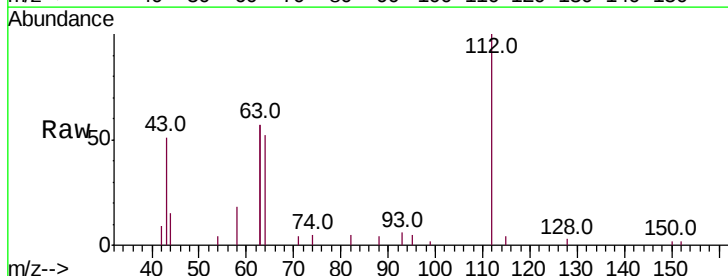
Time-->



#4

2-Fluorophenol
 Concen: 0.441 ng
 RT: 5.40 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: BE099394.D
 Acq: 27 Apr 2019 1:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	44.9	67.3
63	132.4	97.4	146.0



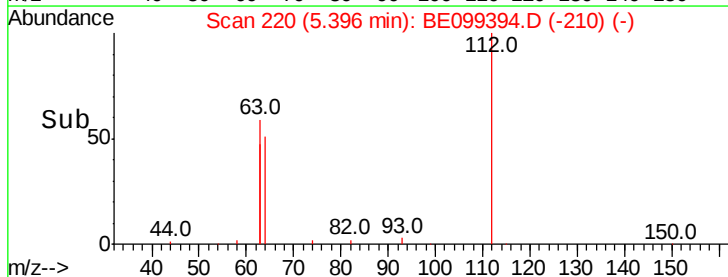
Abundance

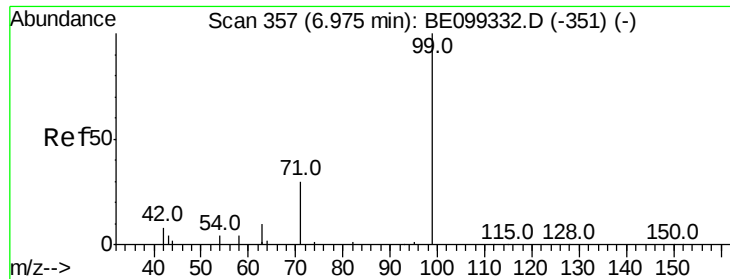
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->





#5

Phenol-d6

Concen: 0.444 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099394.D

Acq: 27 Apr 2019 1:21

Instrument :

BNA_E

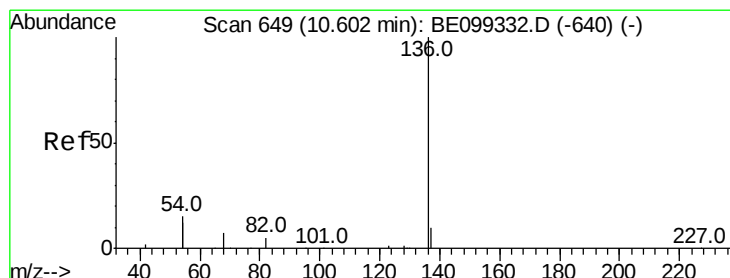
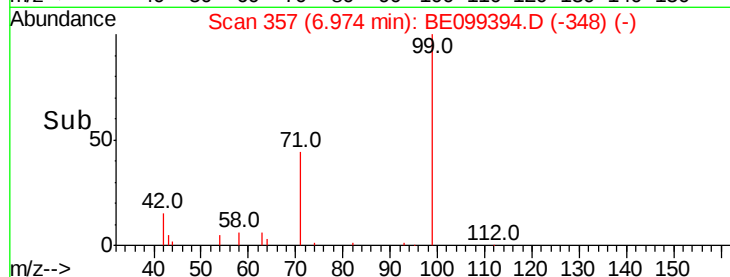
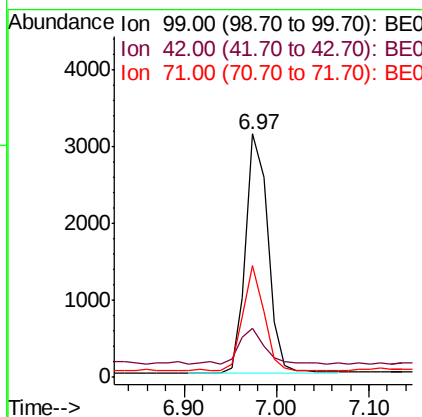
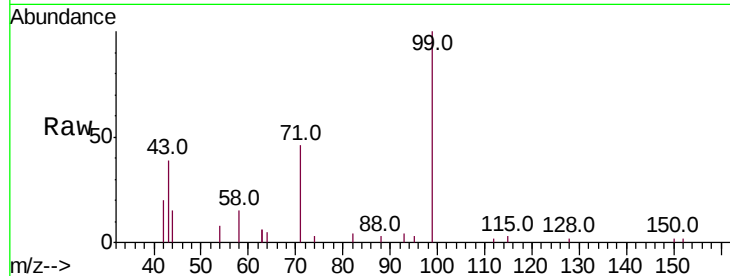
ClientSampleId :

EXT-027-SW019-042219

Tot Ion:	99	Resp:	5267
Ion	Ratio	Lower	Upper
99	100		
42	16.4	11.7	17.5
71	41.7	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

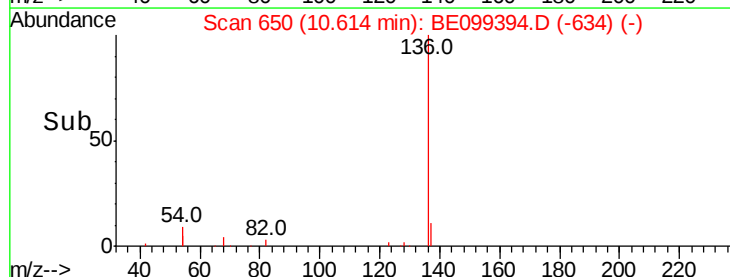
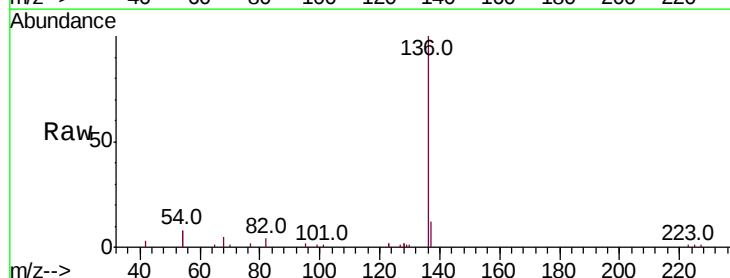
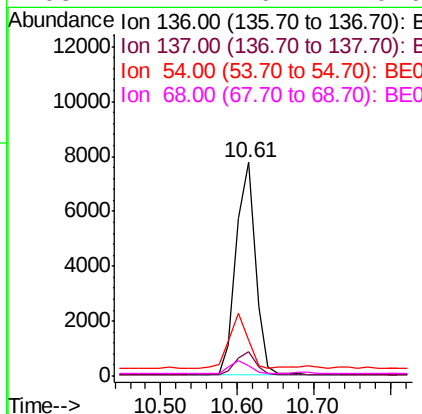
RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099394.D

Acq: 27 Apr 2019 1:21

Tgt Ion:	136	Resp:	13629
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.7	13.1
54	17.0	23.8	35.8#
68	4.7	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.453 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099394.D

Acq: 27 Apr 2019 1:21

Instrument :

BNA_E

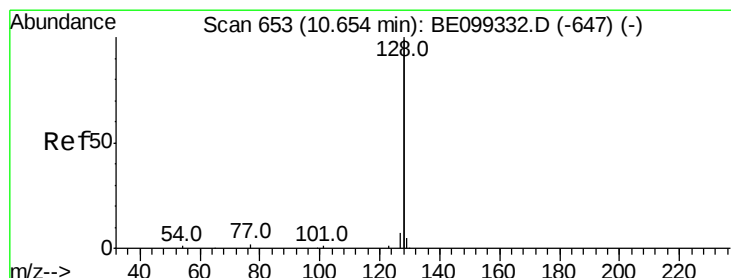
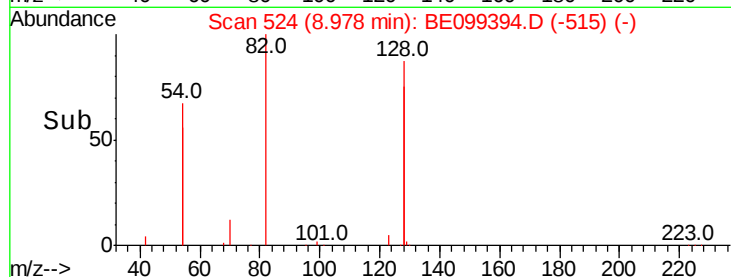
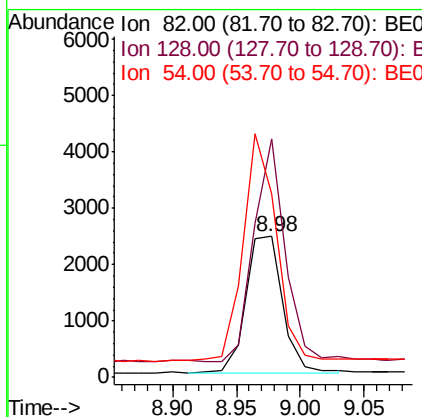
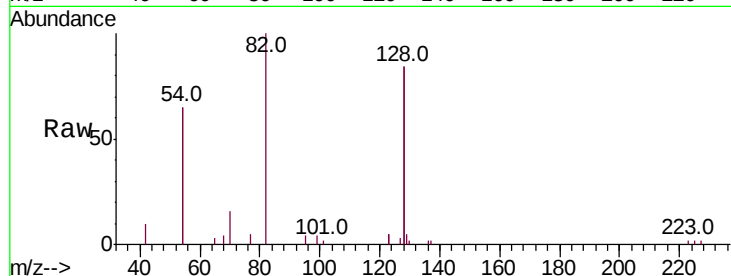
ClientSampleId :

EXT-027-SW019-042219

Tot Ion	Ratio	Lower	Upper
82	100		
128	168.7	91.7	137.5#
54	129.6	122.8	184.2

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#9

Naphthalene

Concen: 0.037 ng

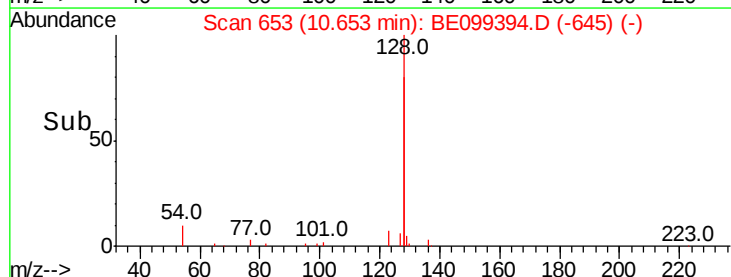
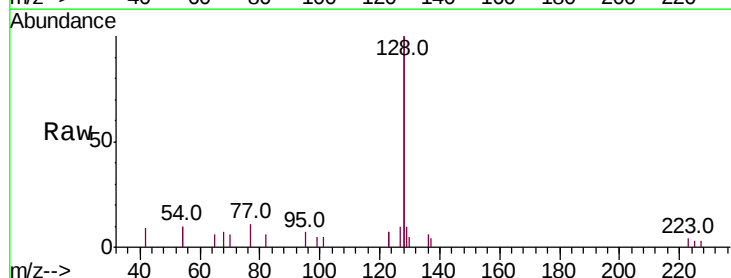
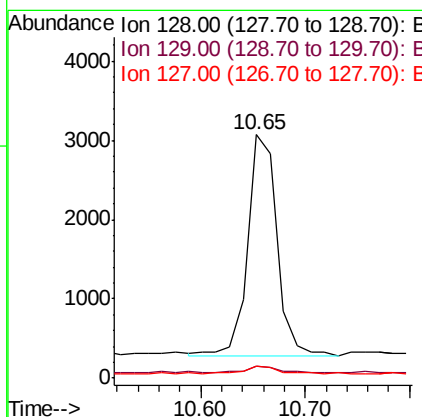
RT: 10.65 min Scan# 653

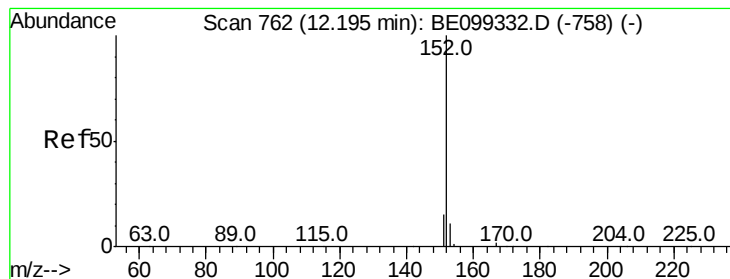
Delta R.T. -0.00 min

Lab File: BE099394.D

Acq: 27 Apr 2019 1:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	4.8	2.3	3.5#
127	5.0	2.8	4.2#





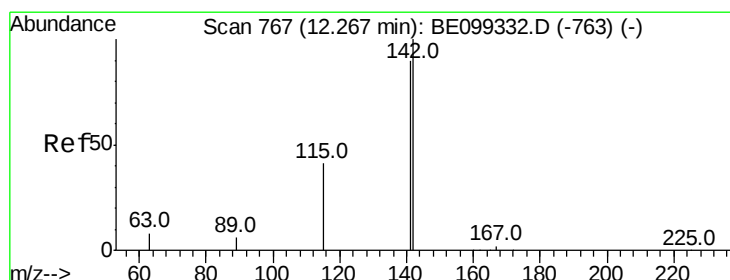
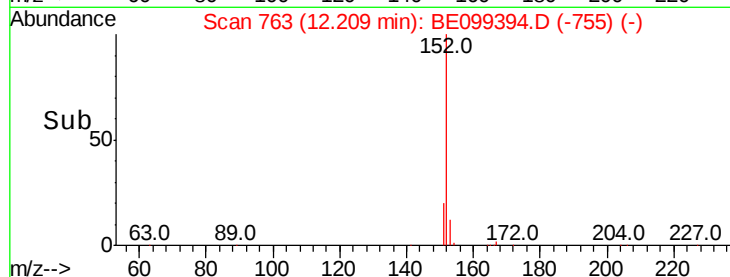
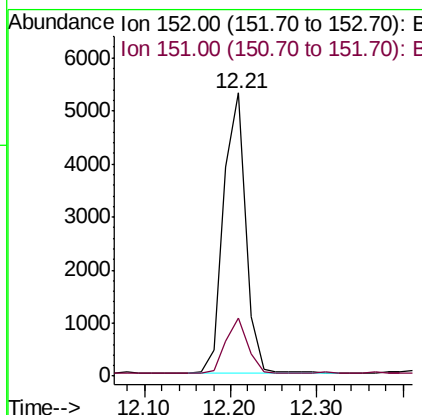
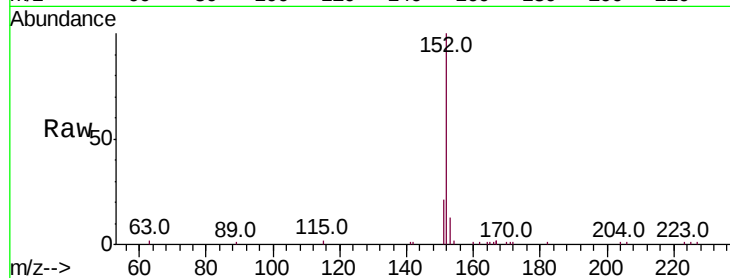
#11
 2-Methylnaphthalene-d10
 Concen: 0.388 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099394.D
 Acq: 27 Apr 2019 1:21

Instrument :
 BNA_E
 ClientSampleId :
 EXT-027-SW019-042219

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	14.9	22.3

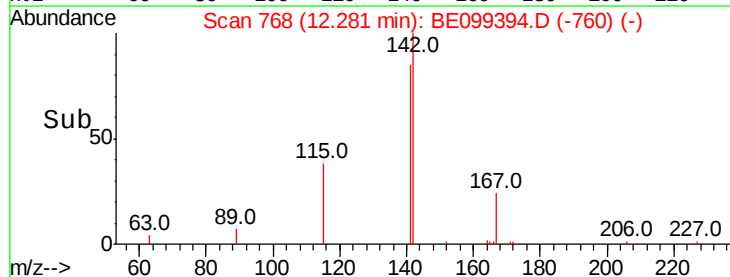
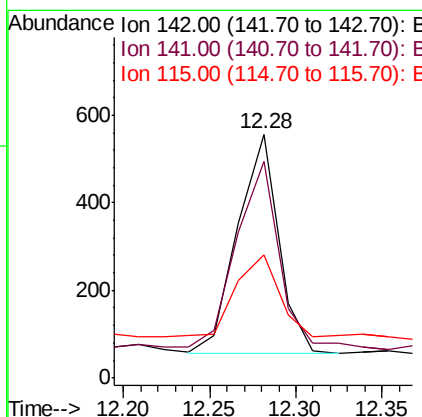
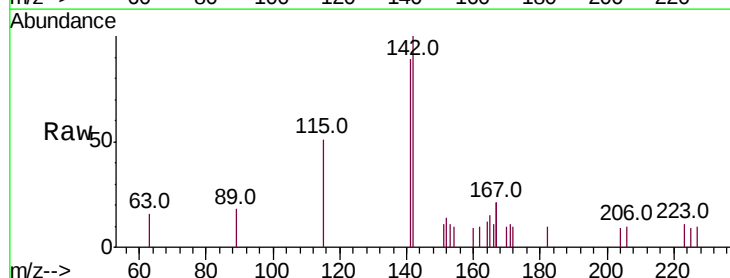
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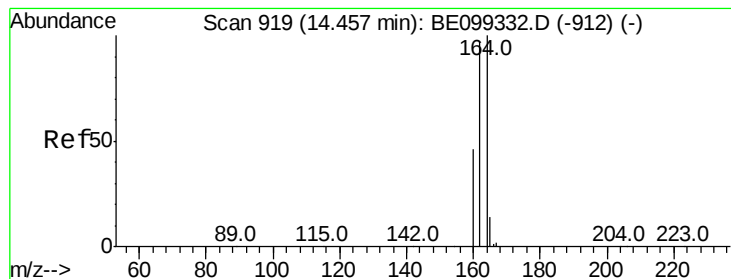
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#12
 2-Methylnaphthalene
 Concen: 0.033 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099394.D
 Acq: 27 Apr 2019 1:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.0	108.0
115	50.7	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: BE099394.D

Acq: 27 Apr 2019 1:21

Instrument :

BNA_E

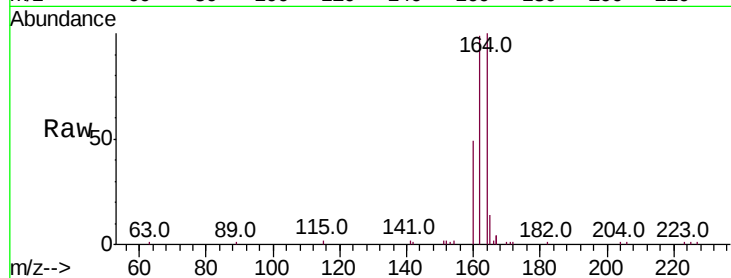
ClientSampleId :

EXT-027-SW019-042219

Tot Ion:	164	Resp:	10282
Ion Ratio	Lower	Upper	
164	100		
162	99.0	77.8	116.6
160	48.9	37.1	55.7

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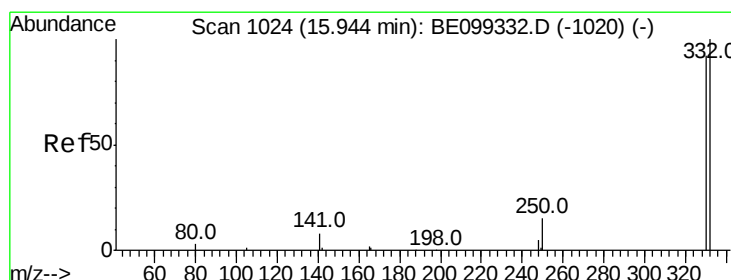
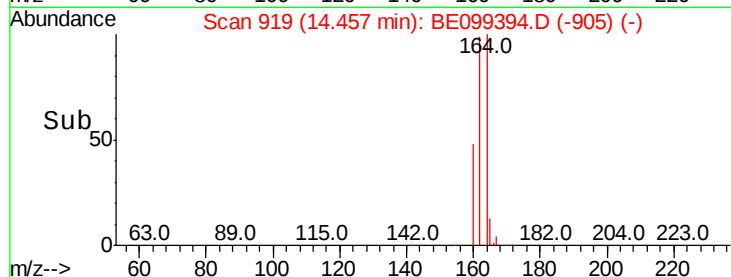
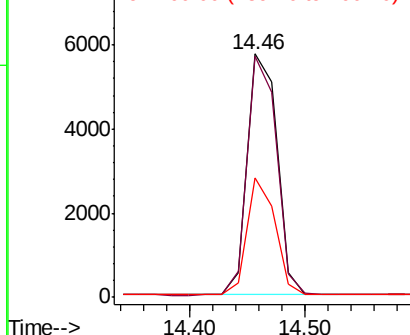


Abundance

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: 0.738 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099394.D

Acq: 27 Apr 2019 1:21

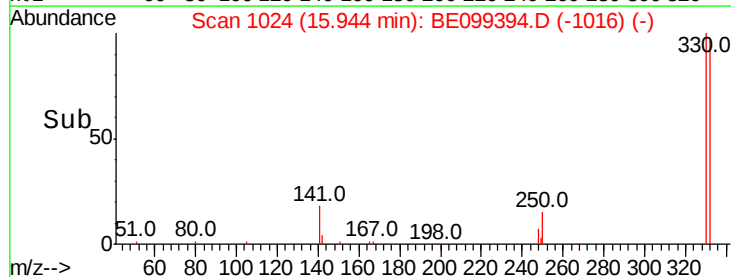
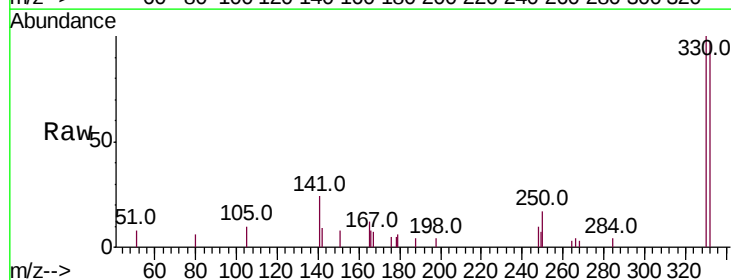
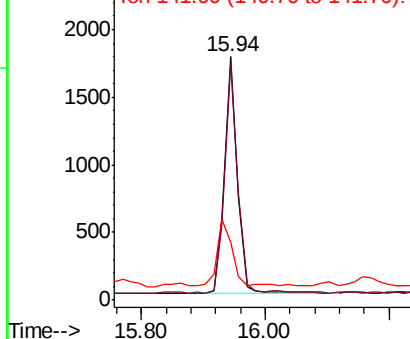
Tgt Ion:	330	Resp:	2521
Ion Ratio	Lower	Upper	
330	100		
332	96.9	82.5	123.7
141	32.7	24.9	37.3

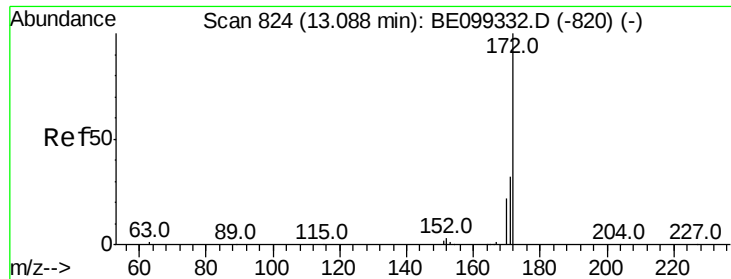
Abundance

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





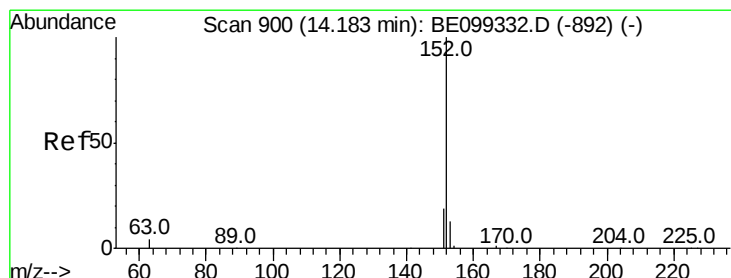
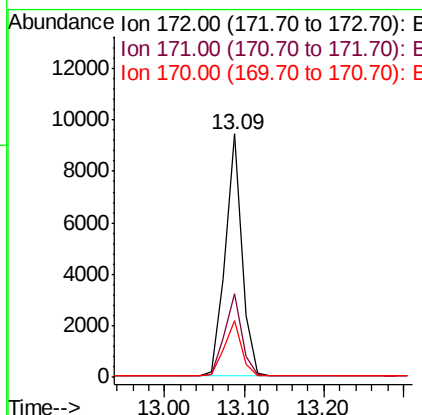
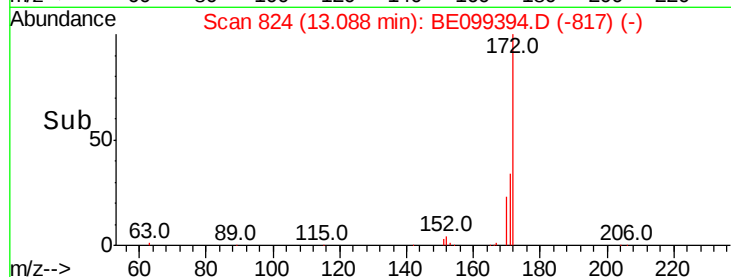
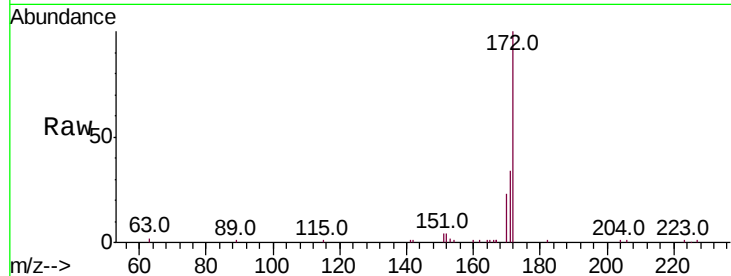
#15
2-Fluorobiphenyl
Concen: 0.340 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099394.D
Acq: 27 Apr 2019 1:21

Instrument :
BNA_E
ClientSampleId :
EXT-027-SW019-042219

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	26.2	39.2
170	23.2	18.1	27.1

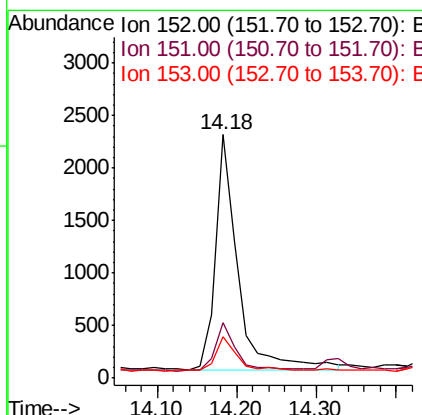
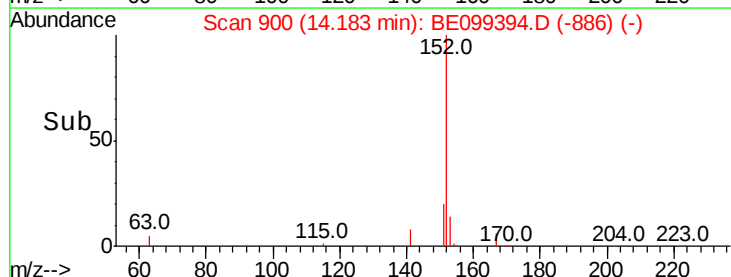
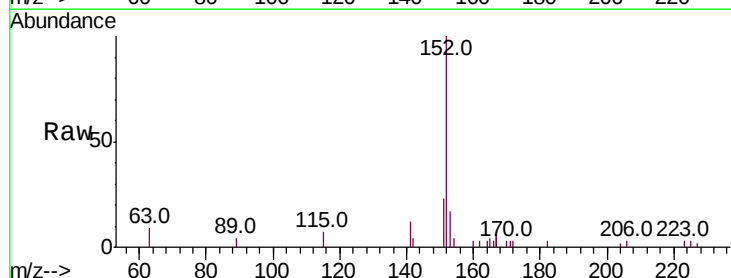
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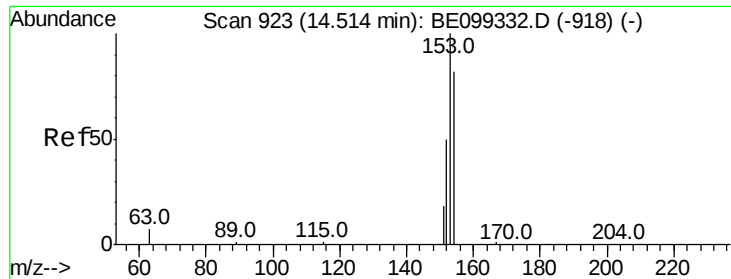
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#16
Acenaphthylene
Concen: 0.093 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099394.D
Acq: 27 Apr 2019 1:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	14.4	10.2	15.4





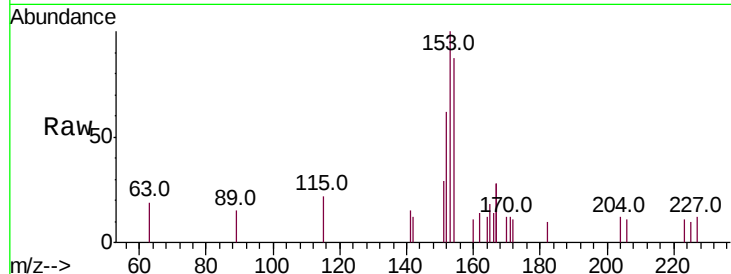
#17
Acenaphthene
Concen: 0.020 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.01 min
Lab File: BE099394.D
Acq: 27 Apr 2019 1:21

Instrument :
BNA_E
ClientSampleId :
EXT-027-SW019-042219

Tot Ion	Ratio	Lower	Upper
154	100		
153	123.7	94.7	142.1
152	66.7	46.4	69.6

Manual Integrations
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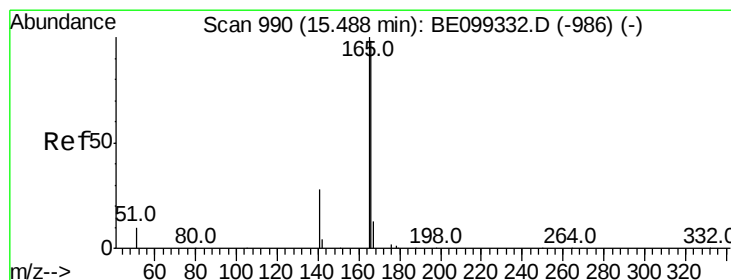
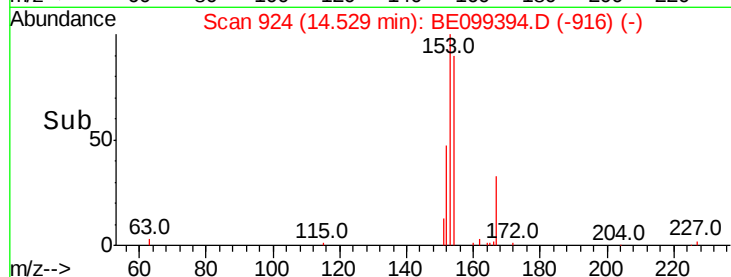
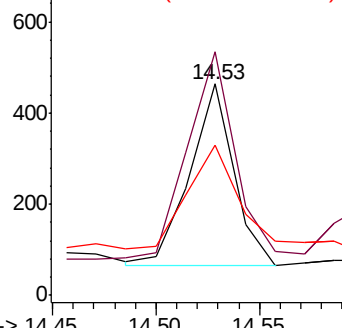


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.057 ng
RT: 15.50 min Scan# 991
Delta R.T. 0.01 min
Lab File: BE099394.D
Acq: 27 Apr 2019 1:21

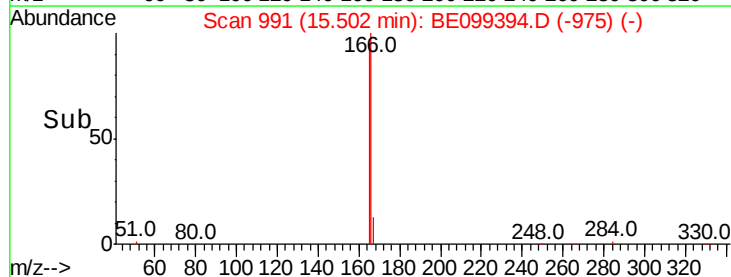
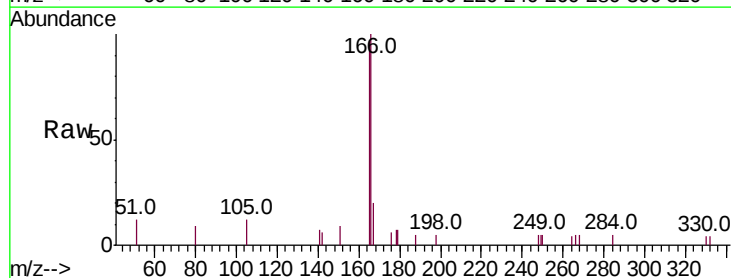
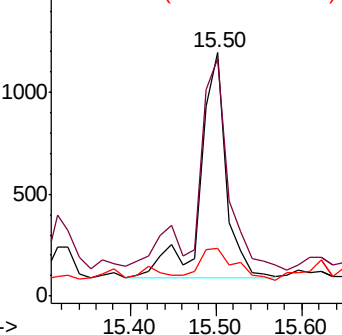
Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.8	79.7	119.5
167	19.8	11.0	16.4

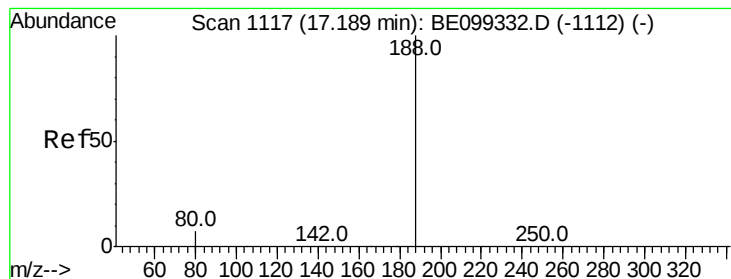
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BE099394.D

Acq: 27 Apr 2019 1:21

Instrument :

BNA_E

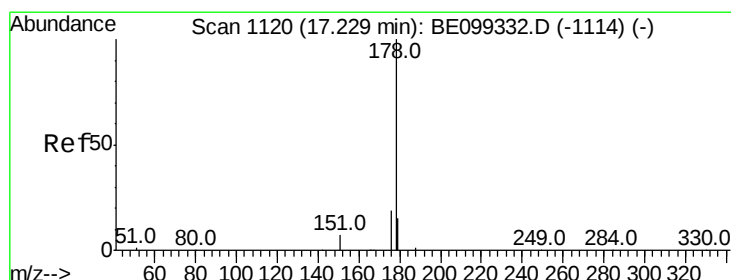
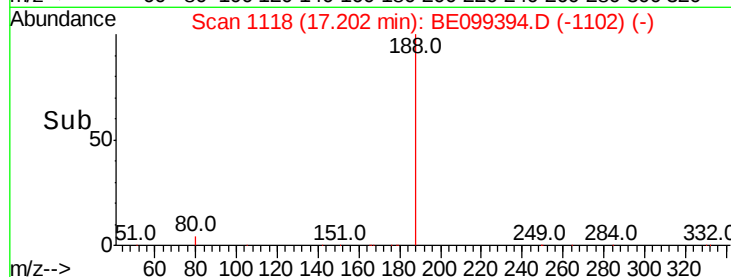
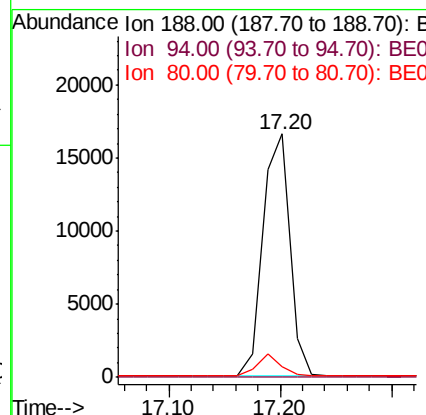
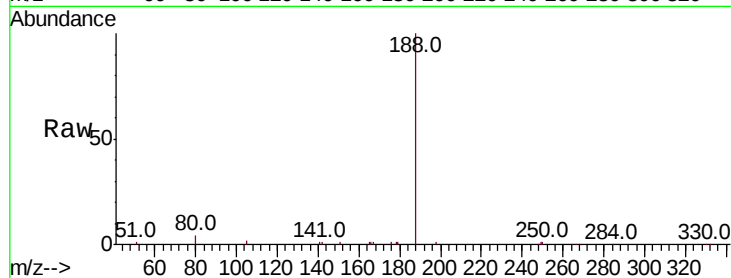
ClientSampleId :

EXT-027-SW019-042219

Tot Ion:	188	Resp:	28113
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	4.4	6.2	9.4#

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#23

Phenanthrene

Concen: 0.635 ng

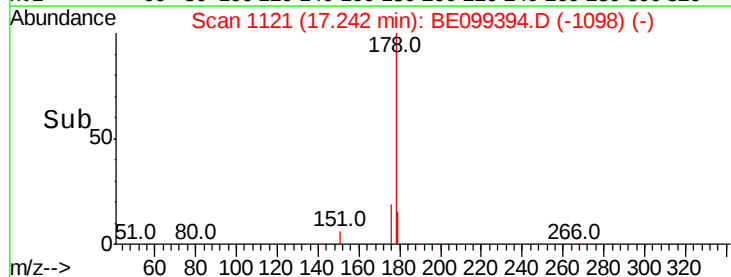
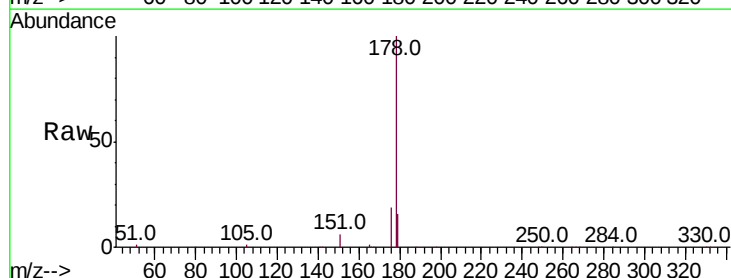
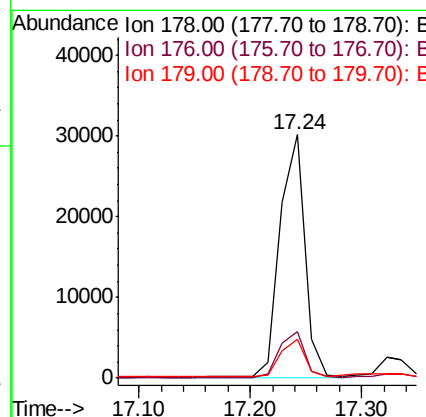
RT: 17.24 min Scan# 1121

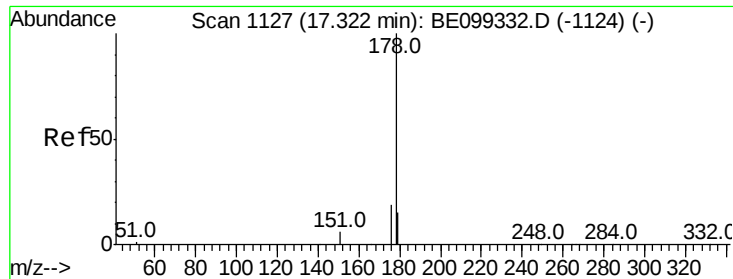
Delta R.T. 0.01 min

Lab File: BE099394.D

Acq: 27 Apr 2019 1:21

Tgt Ion:	178	Resp:	47292
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.3	22.9
179	15.9	12.4	18.6





#24

Anthracene

Concen: 0.061 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099394.D

Acq: 27 Apr 2019 1:21

Instrument :

BNA_E

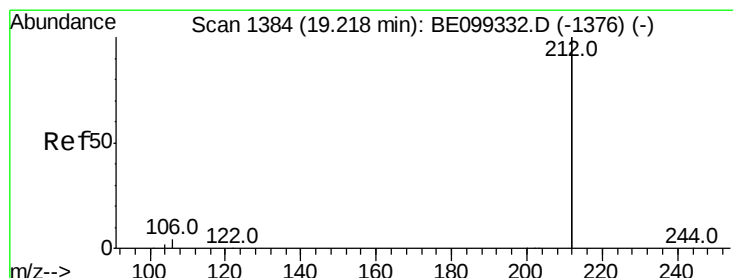
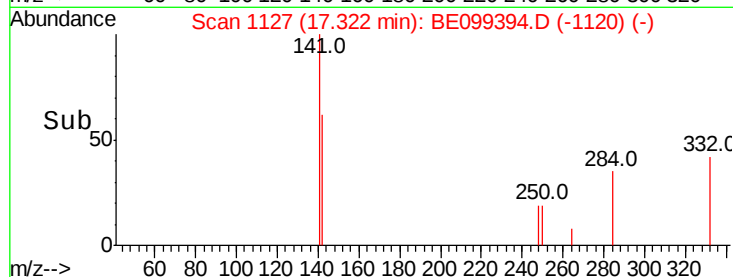
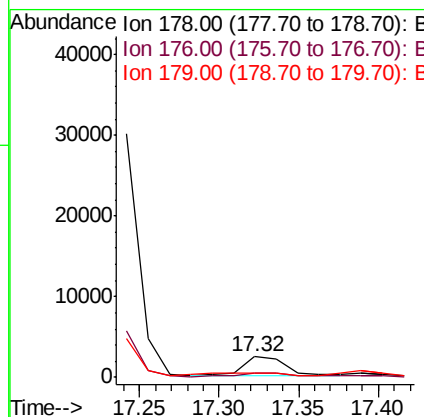
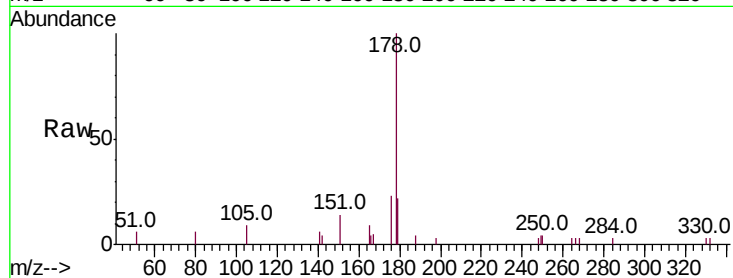
ClientSampleId :

EXT-027-SW019-042219

Tot Ion:	178	Resp:	4050
Ion Ratio	Lower	Upper	
178	100		
176	23.7	15.1	22.7#
179	0.0	11.9	17.9#

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#25

Fluoranthene-d10

Concen: 0.374 ng

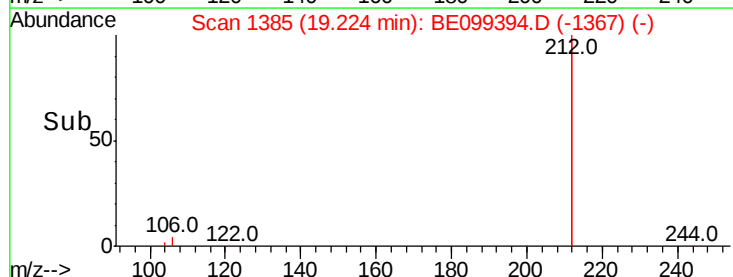
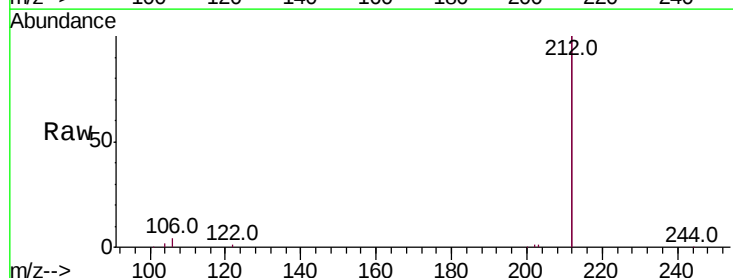
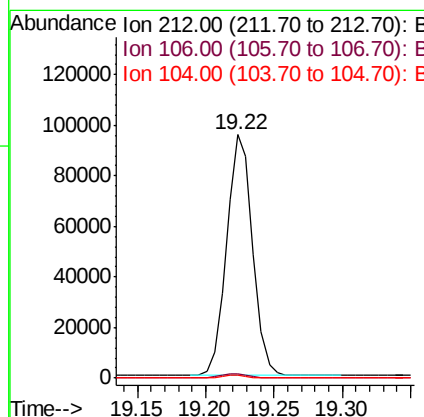
RT: 19.22 min Scan# 1385

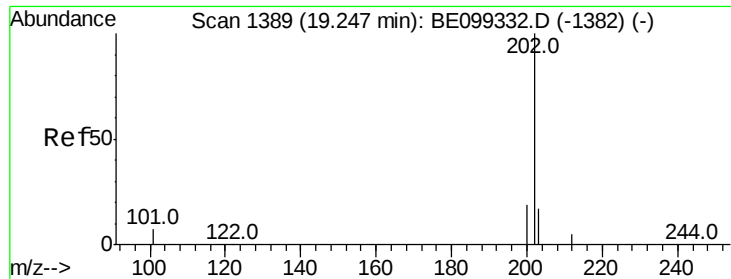
Delta R.T. 0.01 min

Lab File: BE099394.D

Acq: 27 Apr 2019 1:21

Tgt Ion:	212	Resp:	126392
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.8	2.6
104	1.1	1.0	1.4





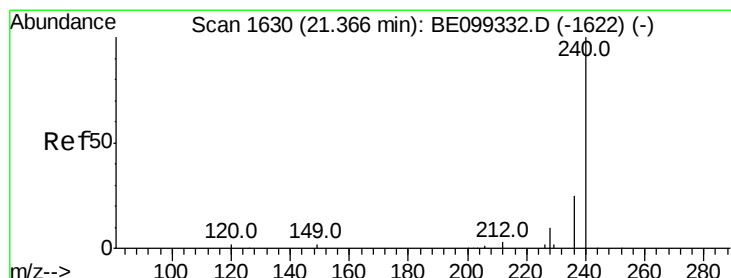
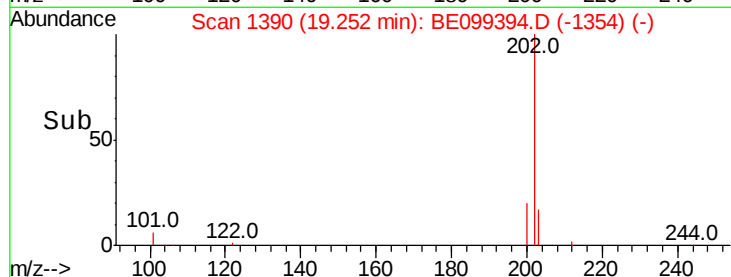
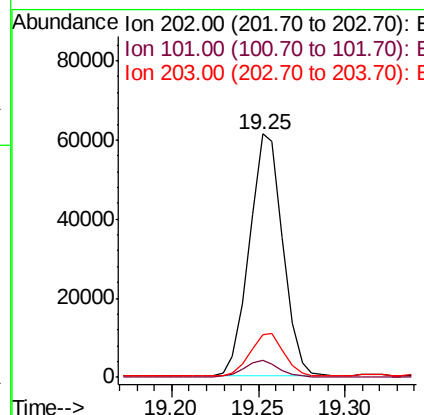
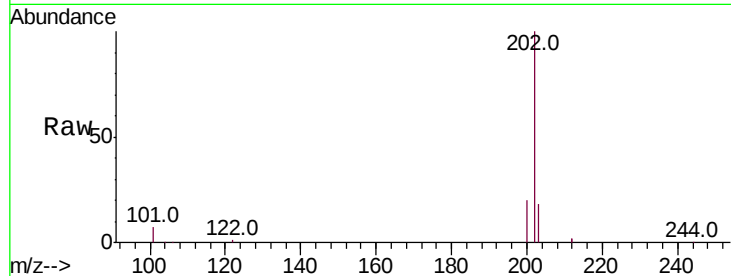
#26
 Fluoranthene
 Concen: 0.827 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: BE099394.D
 Acq: 27 Apr 2019 1:21

Instrument :
 BNA_E
 ClientSampleId :
 EXT-027-SW019-042219

Tot Ion	Ratio	Resp	Lower	Upper
202	100	82449		
101	6.6		6.4	9.6
203	17.6		13.5	20.3

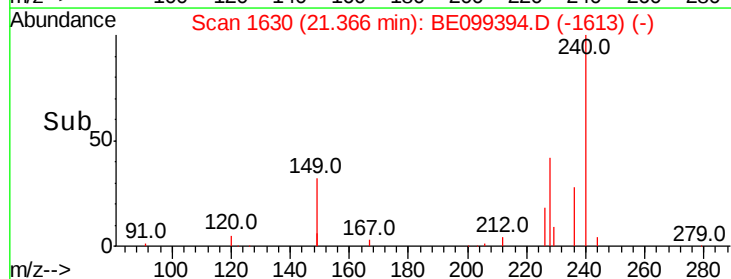
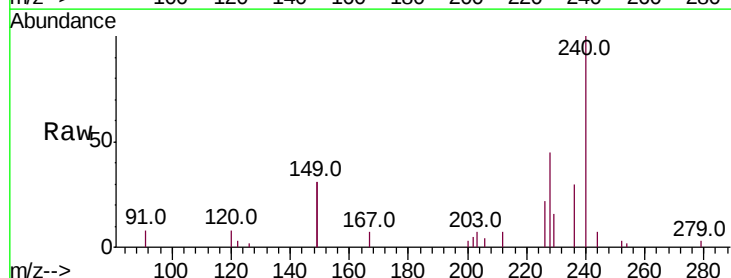
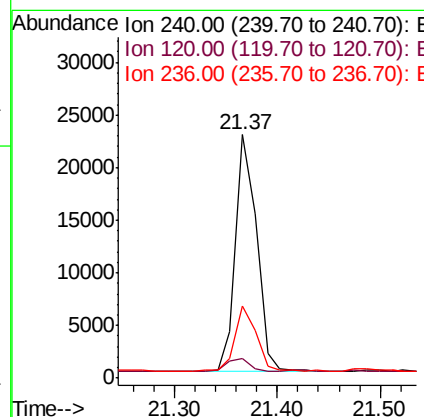
Manual Integrations
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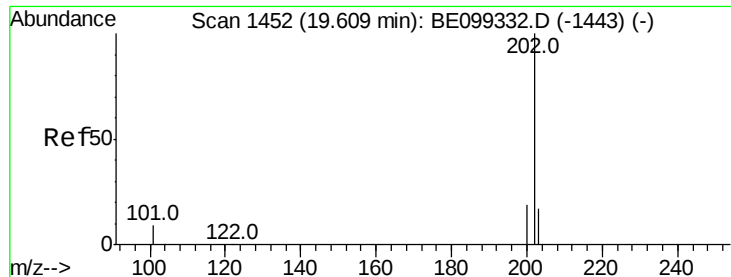
Sohil
 4/29/2019 1:31:58 PM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099394.D
 Acq: 27 Apr 2019 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	31955		
120	7.9		2.2	3.2#
236	29.7		20.2	30.4





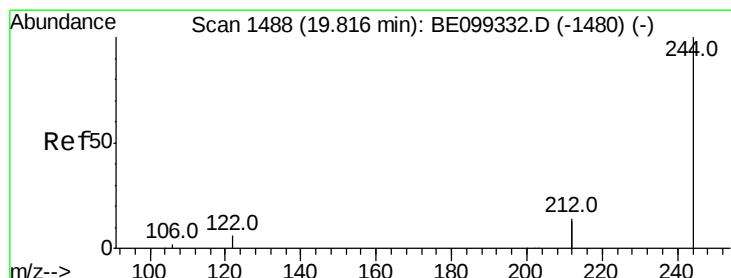
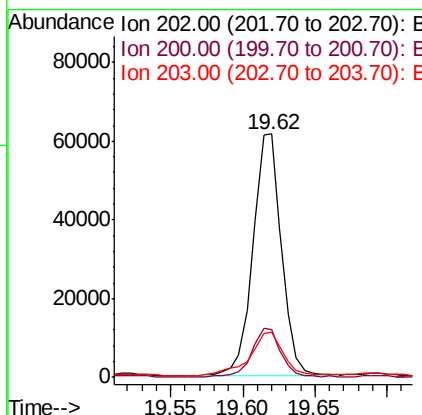
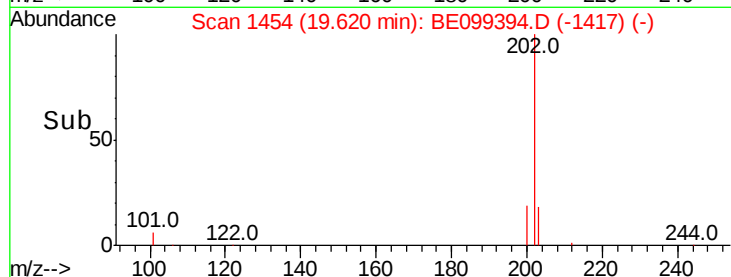
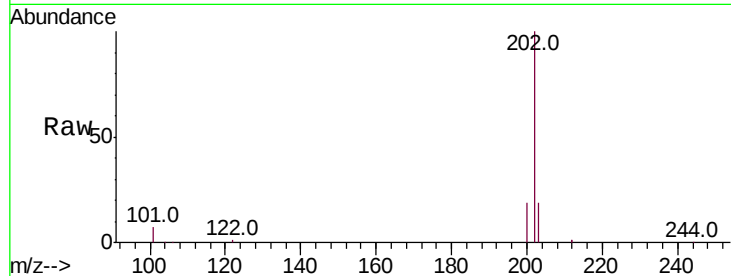
#28
Pvrene
Concen: 0.907 ng
RT: 19.62 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BE099394.D
Acq: 27 Apr 2019 1:21

Instrument :
BNA_E
ClientSampleId :
EXT-027-SW019-042219

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.9	15.7	23.5
203	20.8	13.7	20.5

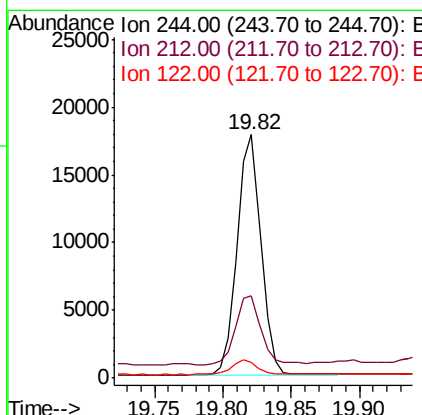
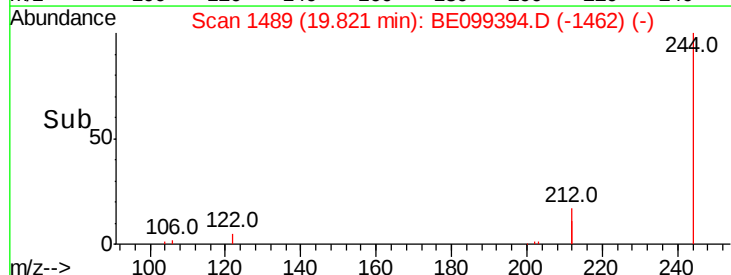
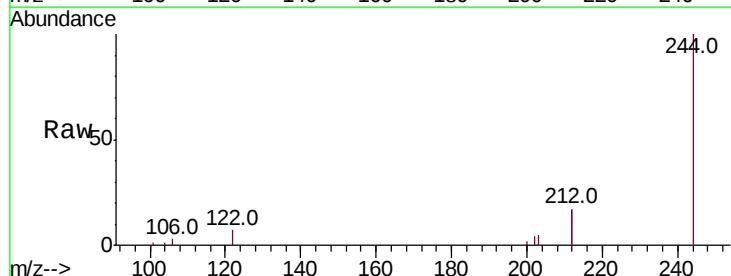
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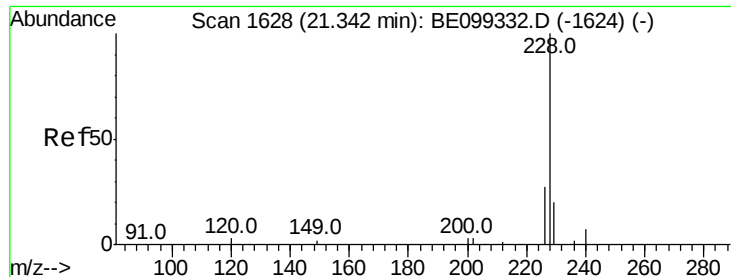
Sohil
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#29
Terphenyl-d14
Concen: 0.343 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.01 min
Lab File: BE099394.D
Acq: 27 Apr 2019 1:21

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	33.6	22.6	33.8
122	6.7	4.6	7.0





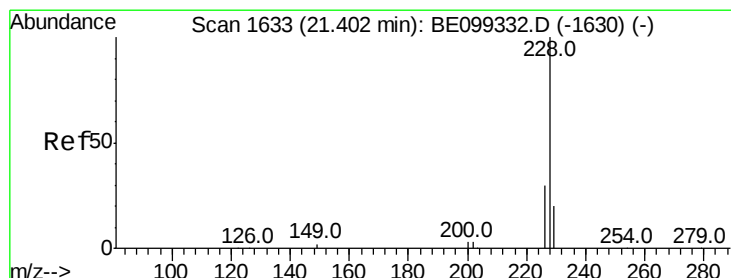
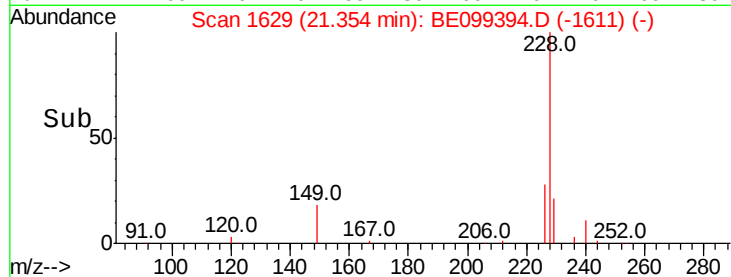
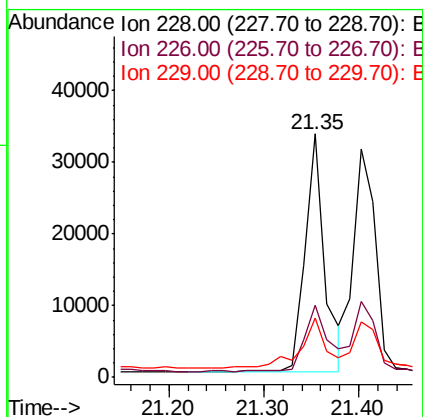
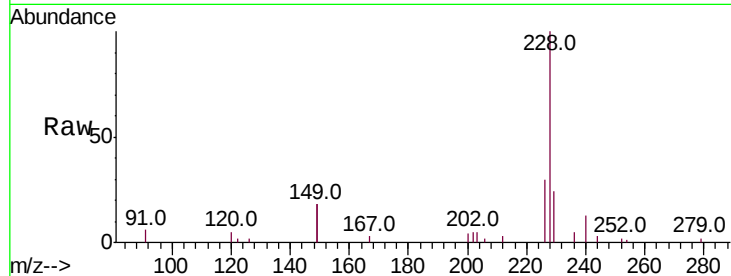
#30
Benzo(a)anthracene
Concen: 0.511 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE099394.D
Acq: 27 Apr 2019 1:21

Instrument :
BNA_E
ClientSampleId :
EXT-027-SW019-042219

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.0	33.0
229	24.1	15.8	23.8

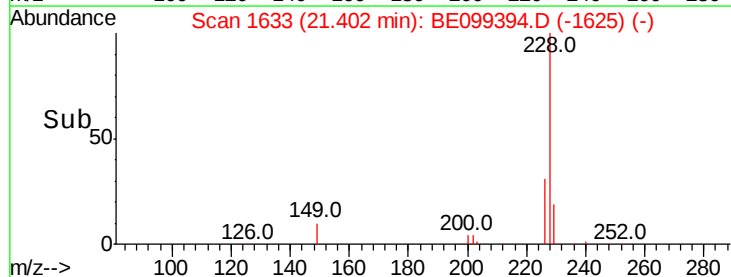
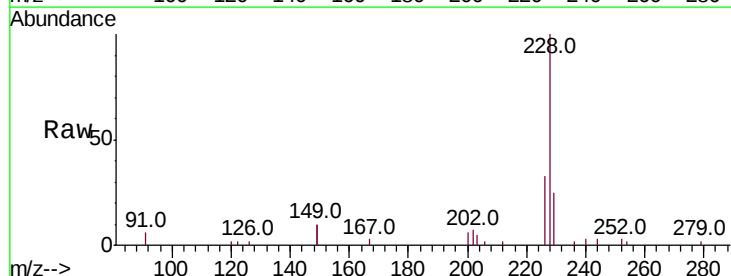
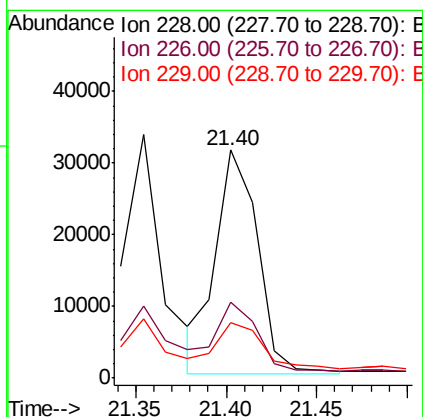
Manual Integrations
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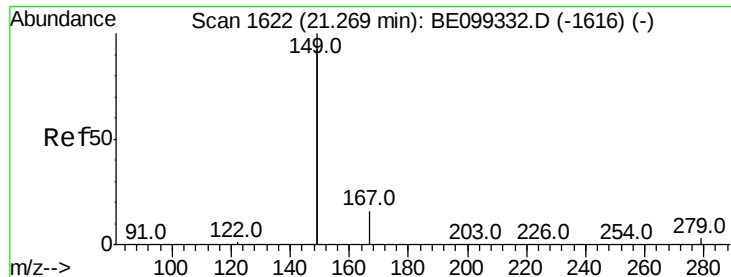
Sohil
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#31
Chrysene
Concen: 0.506 ng m
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099394.D
Acq: 27 Apr 2019 1:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	23.4	35.2
229	24.6	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.571 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099394.D

Acq: 27 Apr 2019 1:21

Instrument :

BNA_E

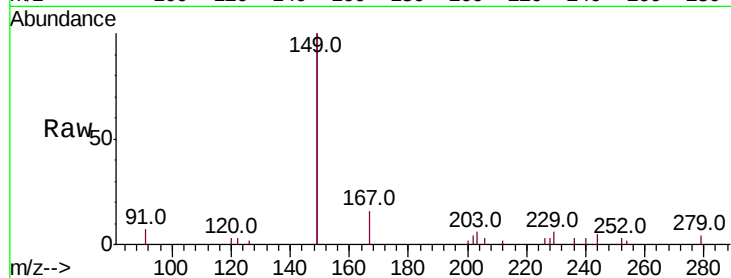
ClientSampleId :

EXT-027-SW019-042219

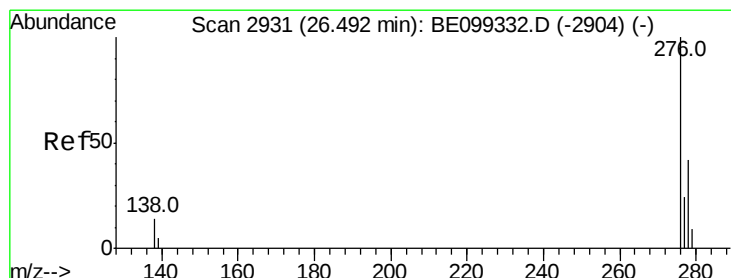
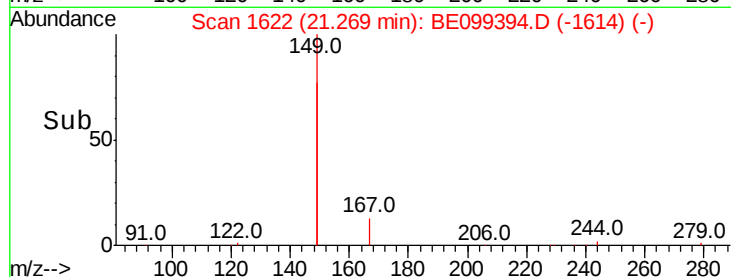
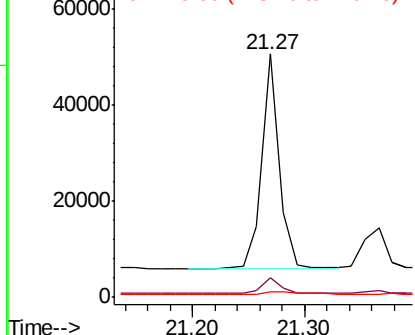
Tot Ion:	149	Resp:	48842
Ion Ratio	Lower	Upper	
149	100		
167	7.7	6.0	9.0
279	2.0	1.1	1.7#

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.212 ng

RT: 26.52 min Scan# 2940

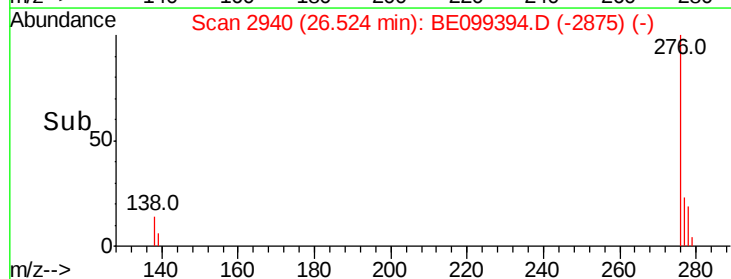
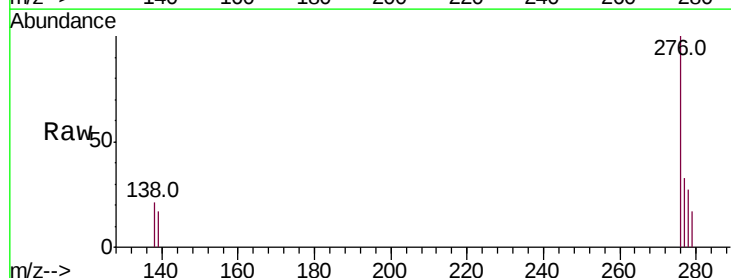
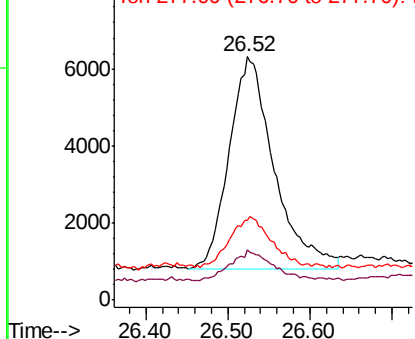
Delta R.T. 0.03 min

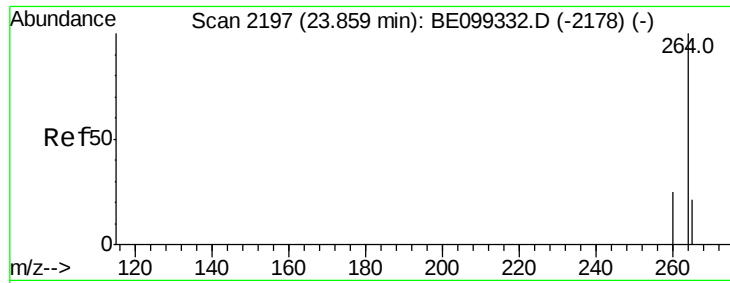
Lab File: BE099394.D

Acq: 27 Apr 2019 1:21

Tgt Ion:	276	Resp:	20907
Ion Ratio	Lower	Upper	
276	100		
138	13.0	12.7	19.1
277	22.3	19.6	29.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





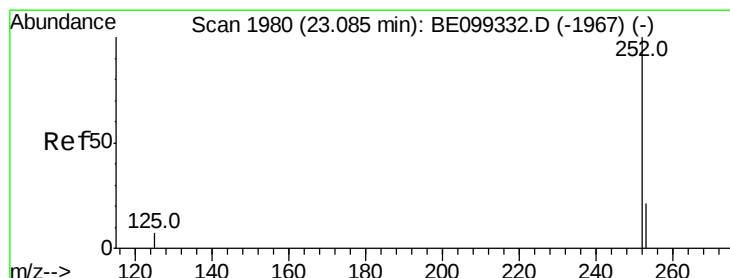
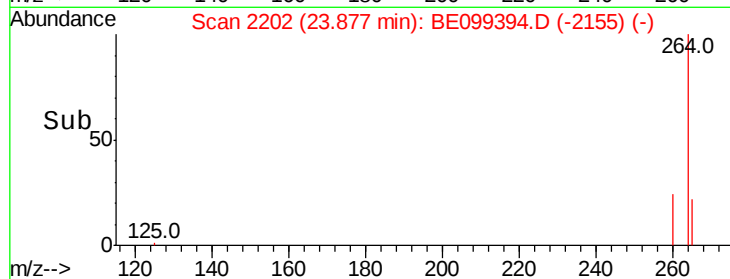
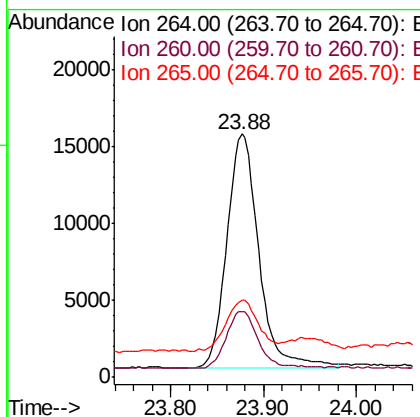
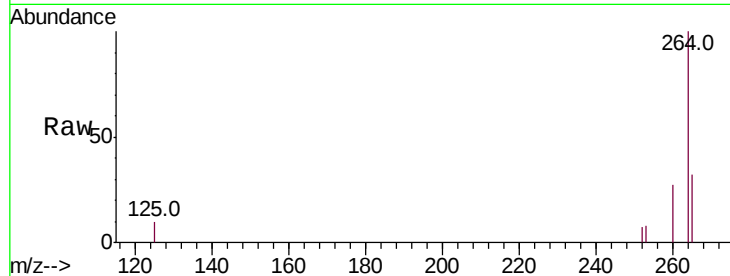
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2202
Delta R.T. 0.02 min
Lab File: BE099394.D
Acq: 27 Apr 2019 1:21

Instrument :
BNA_E
ClientSampleId :
EXT-027-SW019-042219

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.0	20.1	30.1
265	31.7	19.9	29.9

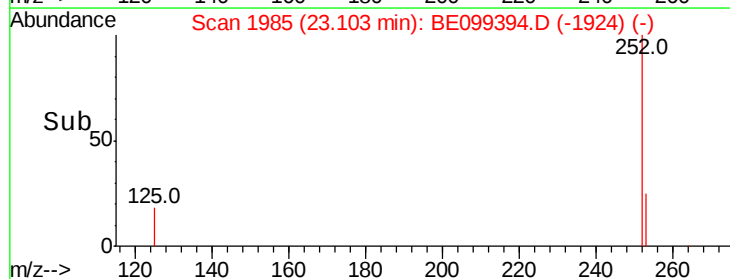
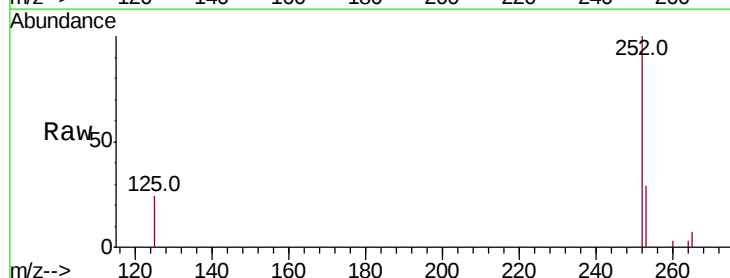
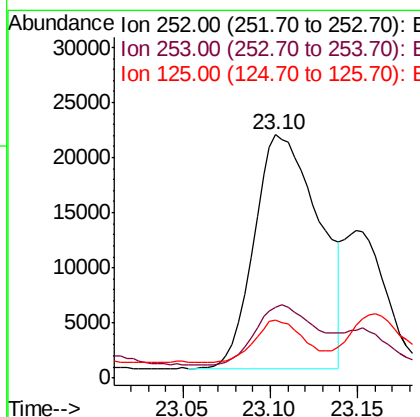
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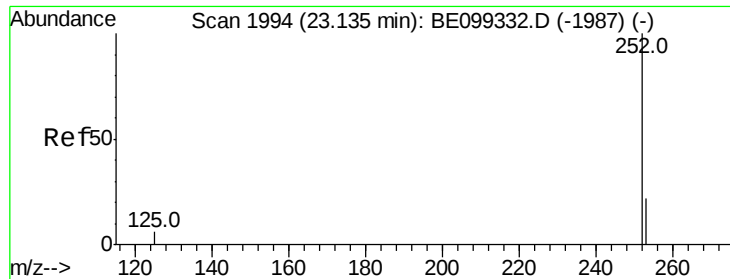
Sohil
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#35
Benzo(b)fluoranthene
Concen: 0.489 ng
RT: 23.10 min Scan# 1985
Delta R.T. 0.02 min
Lab File: BE099394.D
Acq: 27 Apr 2019 1:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.3	25.9
125	23.9	5.8	8.6





#36

Benzo(k)fluoranthene

Concen: 0.194 ng/mL

RT: 23.15 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BE099394.D

Acq: 27 Apr 2019 1:21

Instrument :

BNA_E

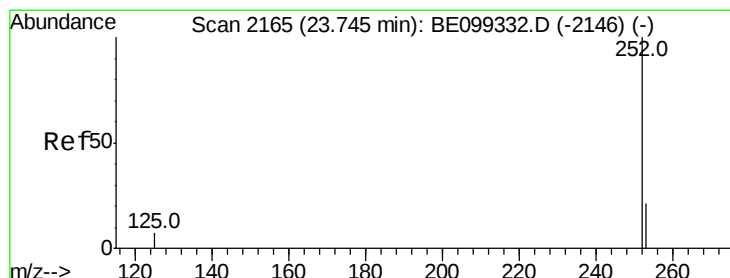
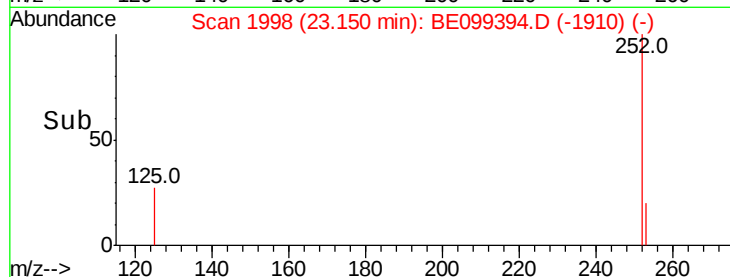
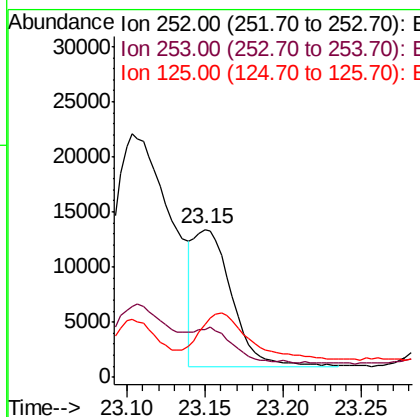
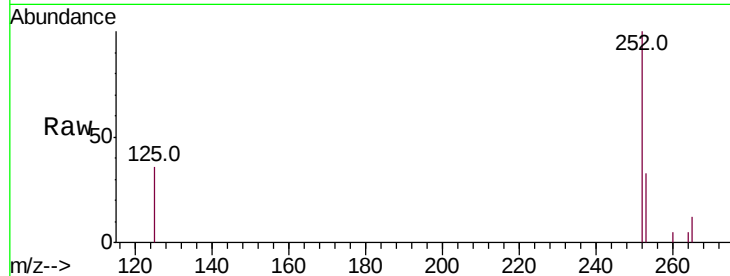
ClientSampleId :

EXT-027-SW019-042219

Tot Ion:	252	Resp:	21663
Ion Ratio	Lower	Upper	
252	100		
253	32.7	18.4	27.6#
125	36.1	5.4	8.0#

Manual Integrations
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#37

Benzo(a)pyrene

Concen: 0.392 ng/mL

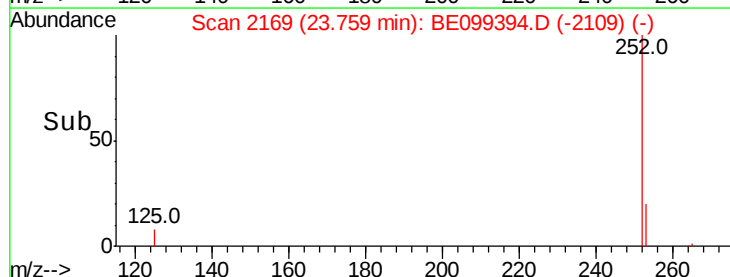
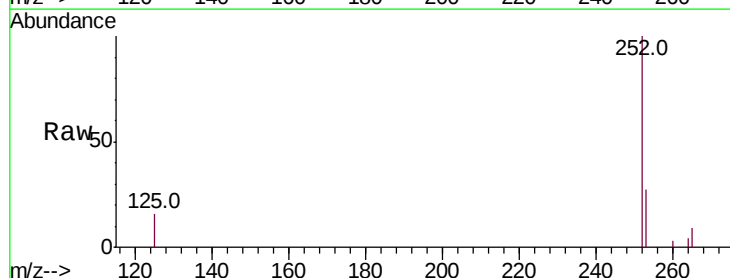
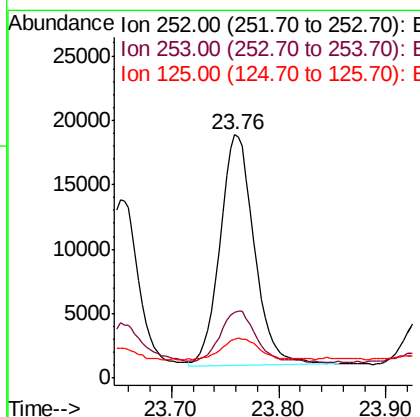
RT: 23.76 min Scan# 2169

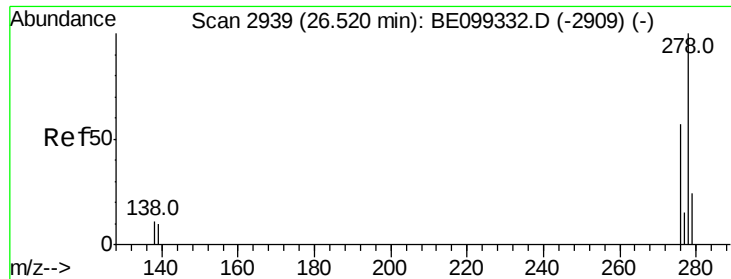
Delta R.T. 0.01 min

Lab File: BE099394.D

Acq: 27 Apr 2019 1:21

Tgt Ion:	252	Resp:	39444
Ion Ratio	Lower	Upper	
252	100		
253	27.2	17.6	26.4#
125	16.0	6.5	9.7#





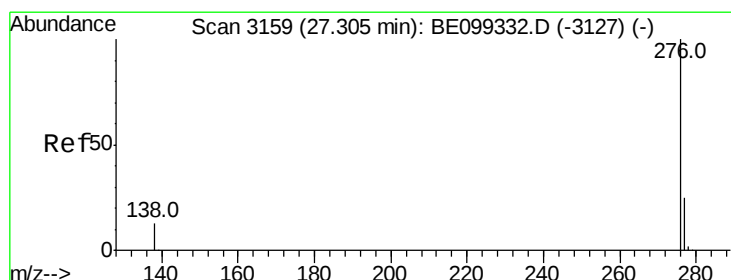
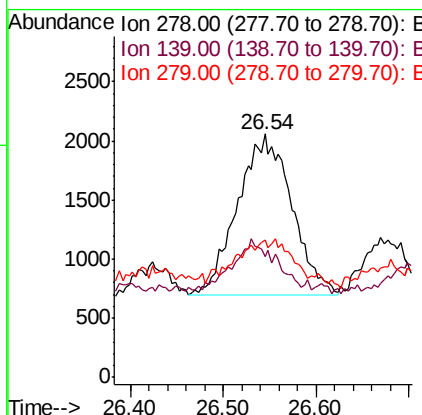
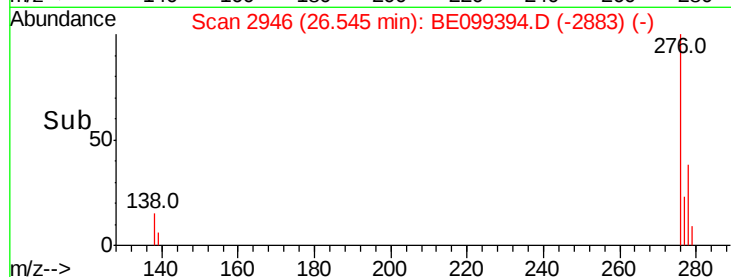
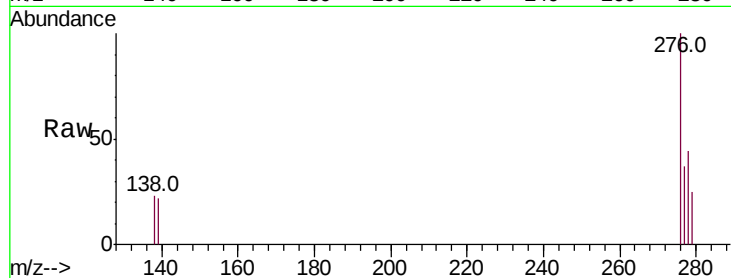
#38
Dibenzo(a,h)anthracene
Concen: 0.054 ng
RT: 26.54 min Scan# 2946
Delta R.T. 0.02 min
Lab File: BE099394.D
Acq: 27 Apr 2019 1:21

Instrument :
BNA_E
ClientSampleId :
EXT-027-SW019-042219

Tot Ion	Ratio	Lower	Upper
278	100		
139	49.4	8.5	12.7#
279	56.6	19.8	29.8#

Manual Integrations
APPROVED

Sohil
4/29/2019 1:31:58 PM



#39
Benzo(g,h,i)perylene
Concen: 0.182 ng
RT: 27.35 min Scan# 3172
Delta R.T. 0.05 min
Lab File: BE099394.D
Acq: 27 Apr 2019 1:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	36.1	20.0	30.0#
138	18.7	11.1	16.7#

