

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\
 Data File : BE099360.D
 Acq On : 25 Apr 2019 14:24
 Operator : JU/SJ
 Sample : K2534-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW030-042219

Manual Integrations
 APPROVED

Sohil
 4/29/2019 2:29:35 AM

Quant Time: Apr 26 01:54:13 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	4123	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	15358	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	11833	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	34503	0.40	ng	0.00
27) Chrysene-d12	21.37	240	39260	0.40	ng	0.00
34) Perylene-d12	23.87	264	43933	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	4088	0.41	ng	0.00
5) Phenol-d6	6.98	99	6065	0.42	ng	0.00
8) Nitrobenzene-d5	8.97	82	5358	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	9543	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	2396	0.61	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	13588	0.29	ng	0.00
25) Fluoranthene-d10	19.22	212	120317	0.29	ng	0.00
29) Terphenyl-d14	19.82	244	18758	0.24	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	6230	0.037	ng	# 97
12) 2-Methylnaphthalene	12.27	142	1151	0.040	ng	# 92
16) Acenaphthylene	14.18	152	7019	0.131	ng	98
17) Acenaphthene	14.51	154	1844	0.056	ng	97
18) Fluorene	15.49	166	3805	0.080	ng	92
23) Phenanthrene	17.23	178	126943	1.389	ng	99
24) Anthracene	17.32	178	10835	0.133	ng	96
26) Fluoranthene	19.25	202	372241	3.044	ng	98
28) Pyrene	19.61	202	336238	2.907	ng	# 95
30) Benzo(a)anthracene	21.34	228	162696	1.410	ng	97
31) Chrysene	21.40	228	203211	1.654	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	112304	1.069	ng	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	128064	1.056	ng	# 94
35) Benzo(b)fluoranthene	23.10	252	247999	1.844	ng	96
36) Benzo(k)fluoranthene	23.14	252	94056m	0.701	ng	
37) Benzo(a)pyrene	23.75	252	164109	1.362	ng	97
38) Dibenzo(a,h)anthracene	26.53	278	28529	0.232	ng	# 84
39) Benzo(a,h,i)perylene	27.33	276	132450	1.061	ng	98

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

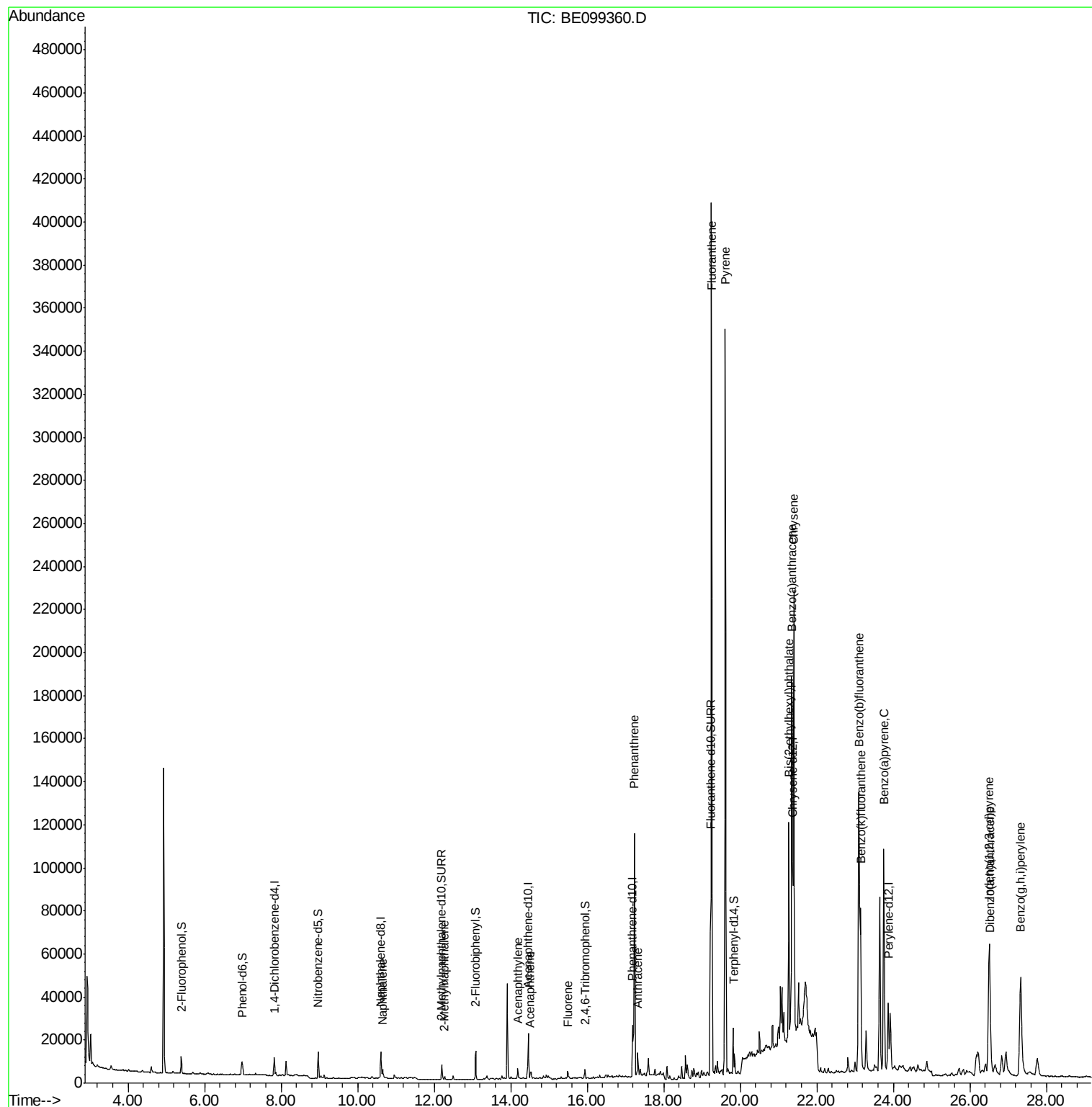
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\
Data File : BE099360.D
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Sample : K2534-10
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ALS Vial : 9 Sample Multiplier: 1

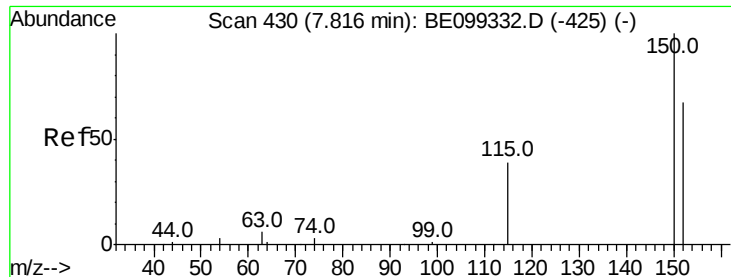
Instrument :
BNA_E
ClientSampleId :
EXT-025-SW030-042219

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4/29/2019 2:29:35 AM

Quant Time: Apr 26 01:54:13 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

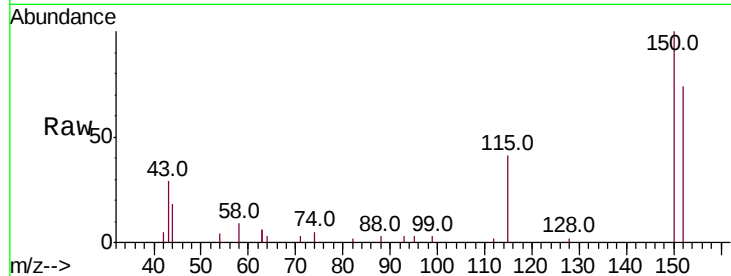
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW030-042219

Tot Ion	Ratio	Lower	Upper
152	100		
150	134.4	119.5	179.3
115	55.0	47.5	71.3

Manual Integrations
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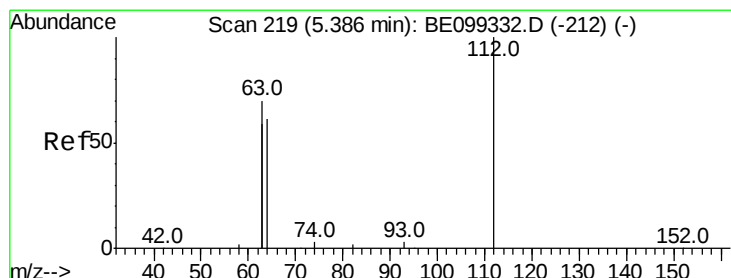
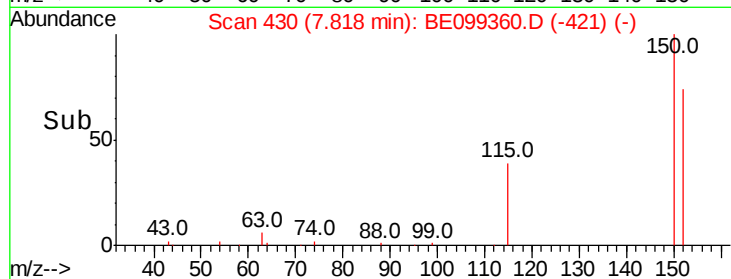
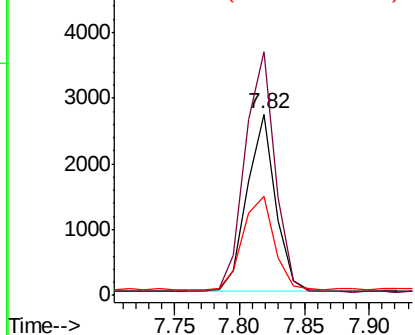


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

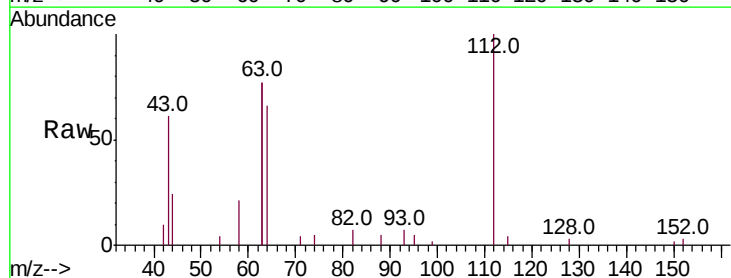
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.406 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	44.9	67.3
63	129.2	97.4	146.0

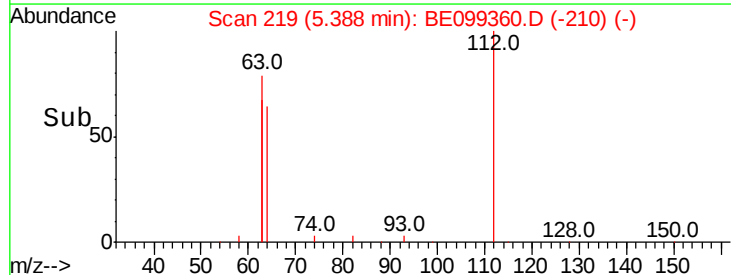
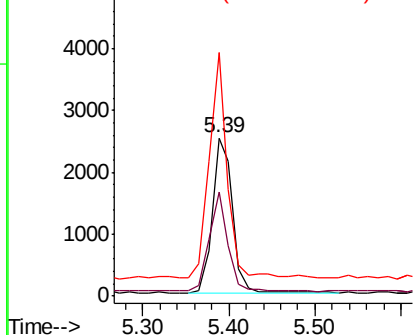


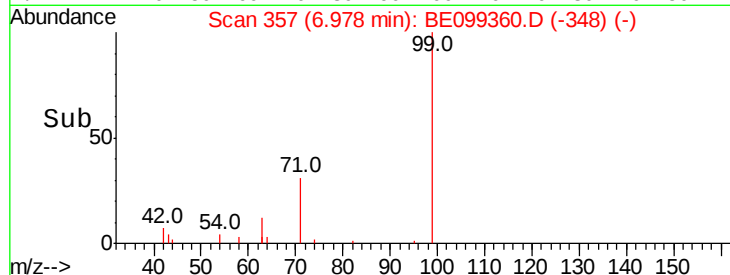
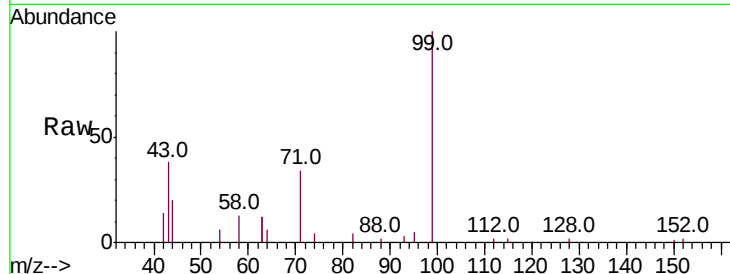
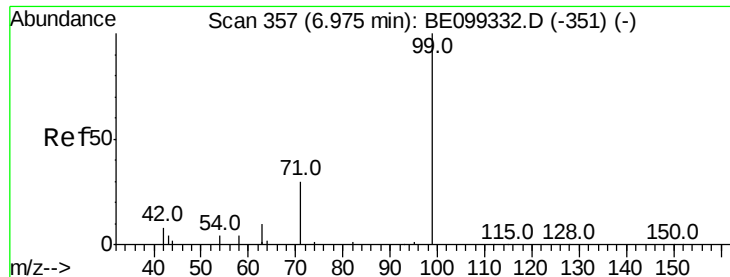
Abundance

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: 0.422 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099360.D

Acq: 25 Apr 2019 14:24

Tot Ion:	99	Resp:	6065
Ion Ratio	Lower	Upper	
99	100		
42	17.8	11.7	17.5#
71	41.7	29.6	44.4

Instrument :

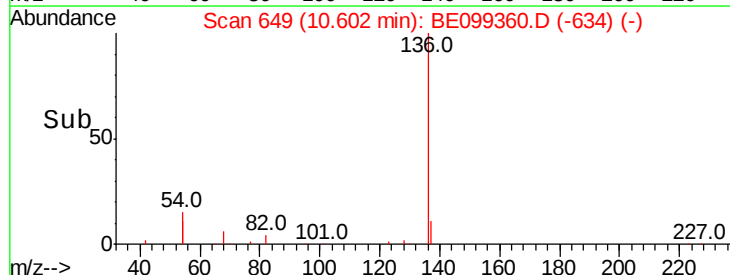
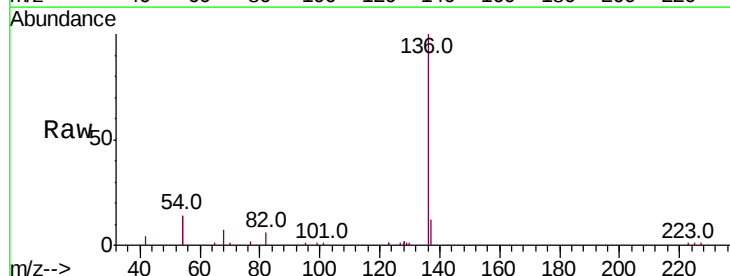
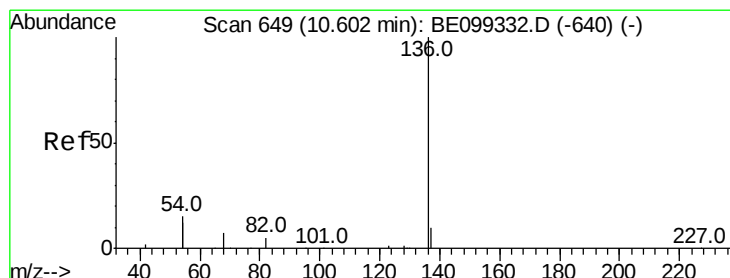
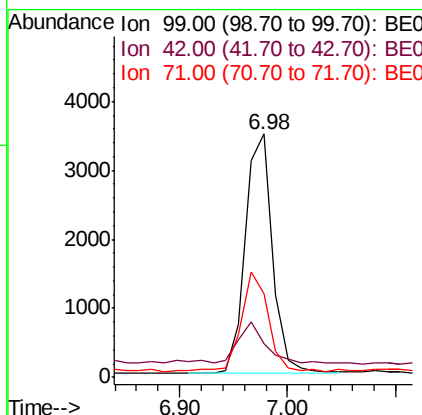
BNA_E

ClientSampleId :

EXT-025-SW030-042219

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#7

Naphthalene-d8

Concen: 0.400 ng

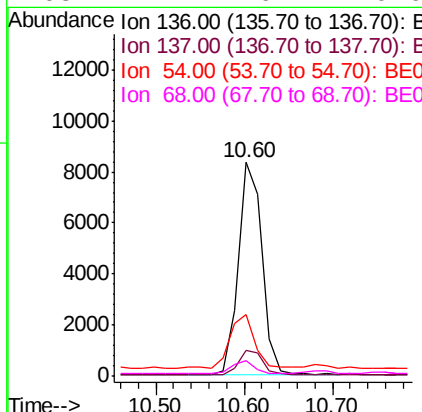
RT: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE099360.D

Acq: 25 Apr 2019 14:24

Tgt Ion:	136	Resp:	15358
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.7	13.1
54	28.9	23.8	35.8
68	7.4	6.4	9.6





#8

Nitrobenzene-d5

Concen: 0.449 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099360.D

Acq: 25 Apr 2019 14:24

Instrument :

BNA_E

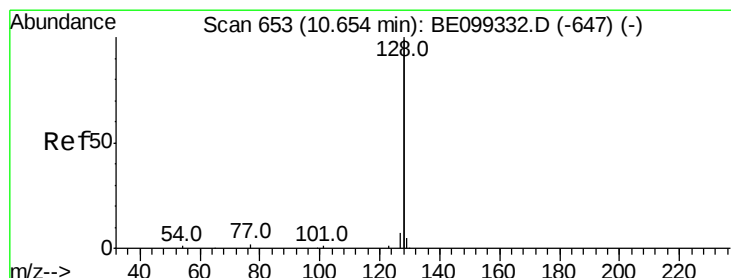
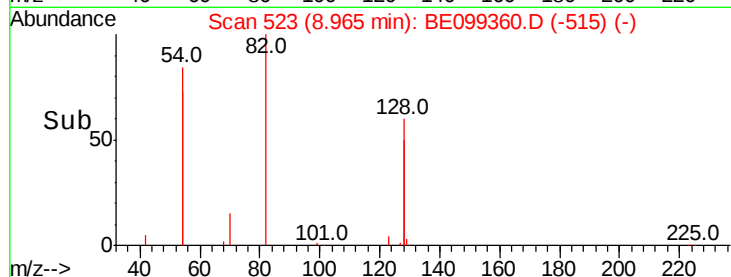
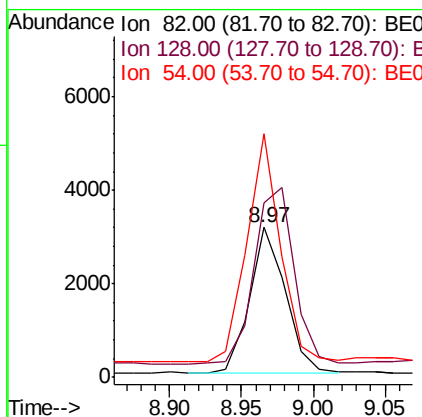
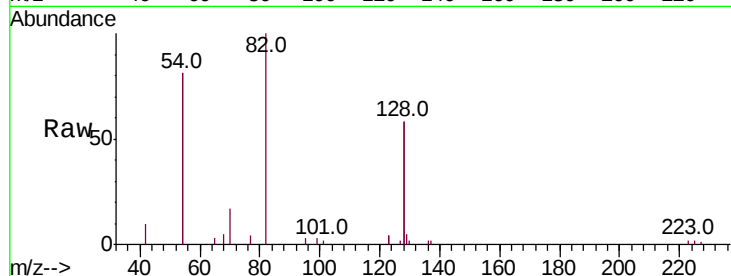
ClientSampleId :

EXT-025-SW030-042219

Tot Ion:	82	Resp:	5358
Ion Ratio	Lower	Upper	
82	100		
128	116.5	91.7	137.5
54	162.2	122.8	184.2

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#9

Naphthalene

Concen: 0.037 ng

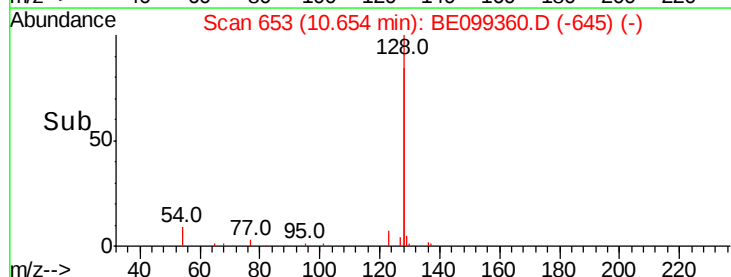
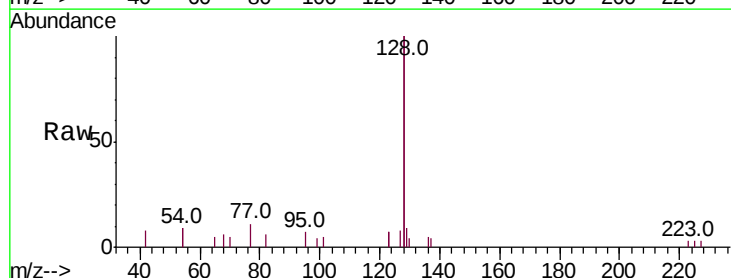
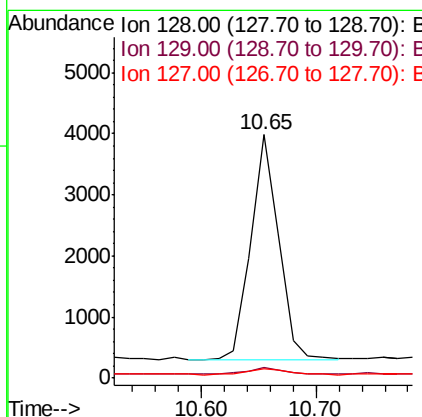
RT: 10.65 min Scan# 653

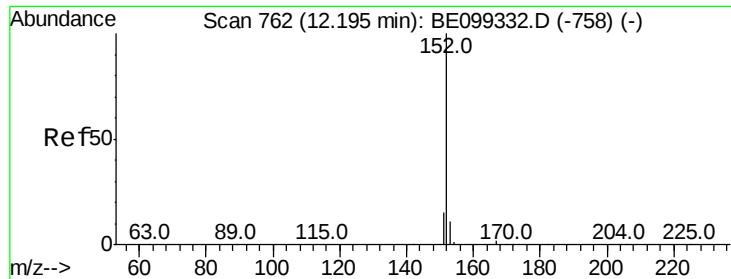
Delta R.T. 0.00 min

Lab File: BE099360.D

Acq: 25 Apr 2019 14:24

Tgt Ion:	128	Resp:	6230
Ion Ratio	Lower	Upper	
128	100		
129	4.4	2.3	3.5#
127	3.9	2.8	4.2





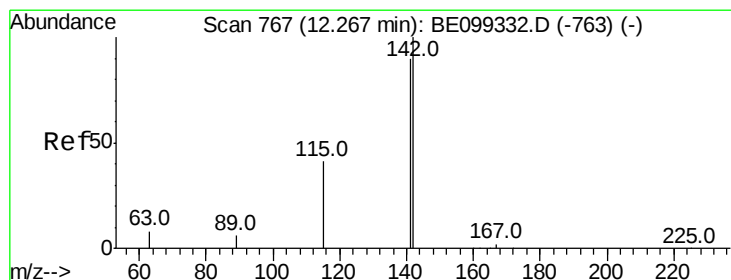
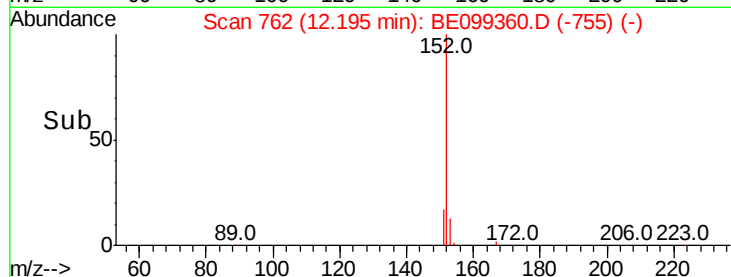
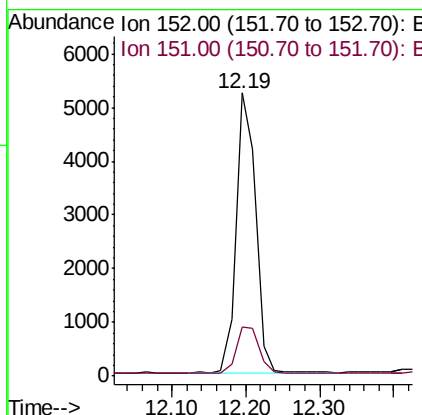
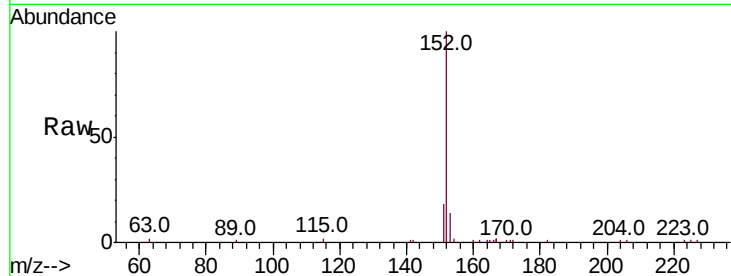
#11
 2-Methylnaphthalene-d10
 Concen: 0.352 ng
 RT: 12.19 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE099360.D
 Acq: 25 Apr 2019 14:24

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW030-042219

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	14.9	22.3

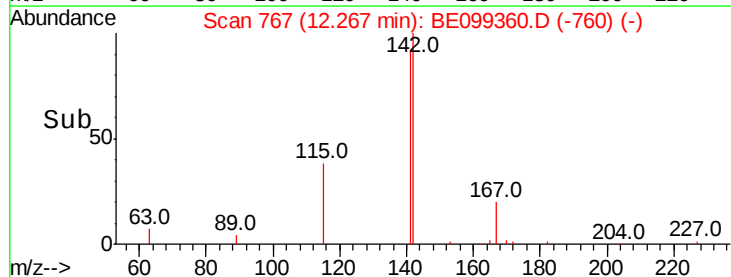
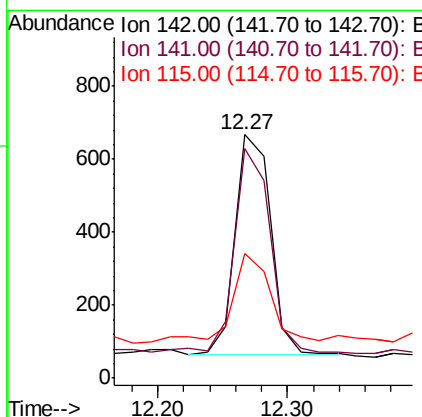
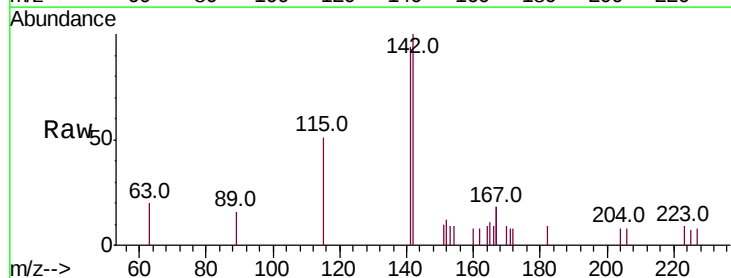
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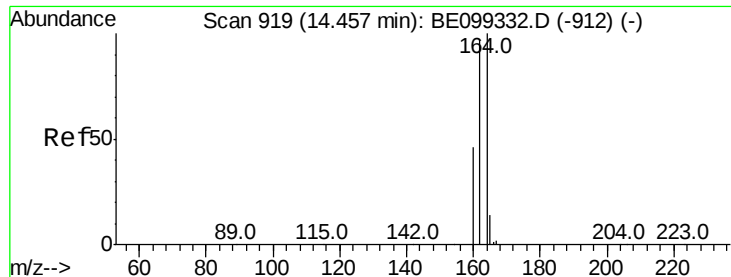
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#12
 2-Methylnaphthalene
 Concen: 0.040 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE099360.D
 Acq: 25 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.0	72.0	108.0
115	51.0	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: BE099360.D

Acq: 25 Apr 2019 14:24

Instrument :

BNA_E

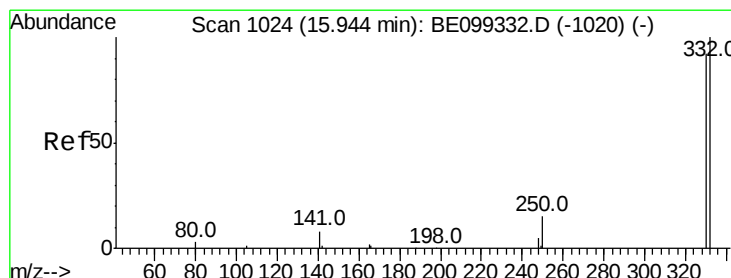
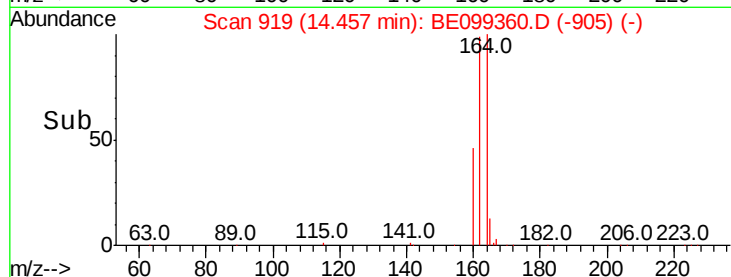
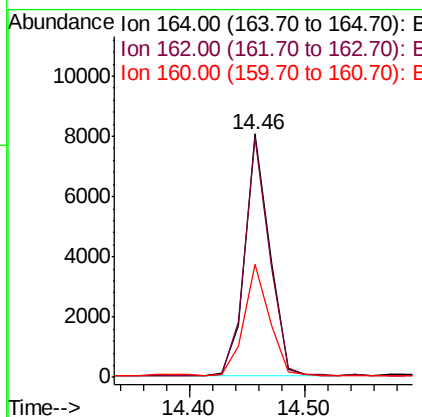
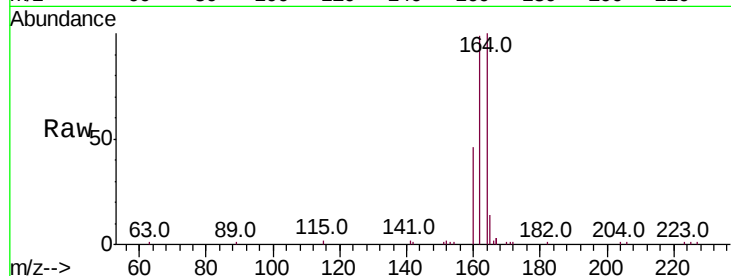
ClientSampleId :

EXT-025-SW030-042219

Tot Ion:	164	Resp:	11833
Ion Ratio	Lower	Upper	
164	100		
162	98.6	77.8	116.6
160	46.5	37.1	55.7

Manual Integrations
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#14

2,4,6-Tribromophenol

Concen: 0.610 ng

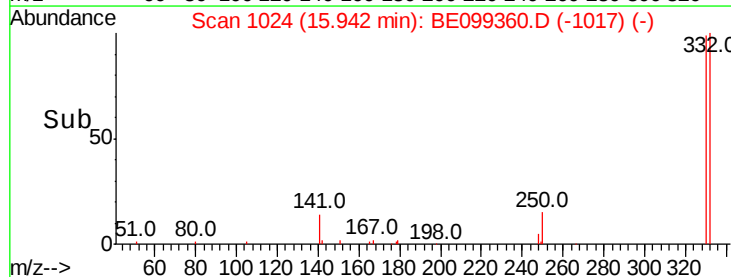
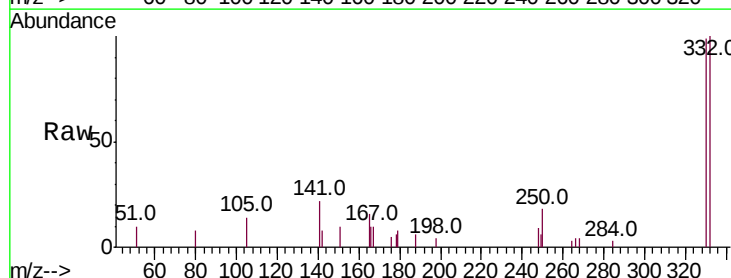
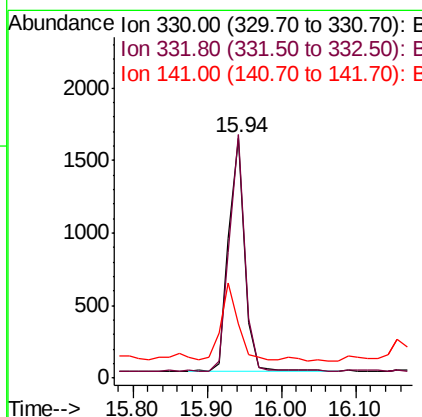
RT: 15.94 min Scan# 1024

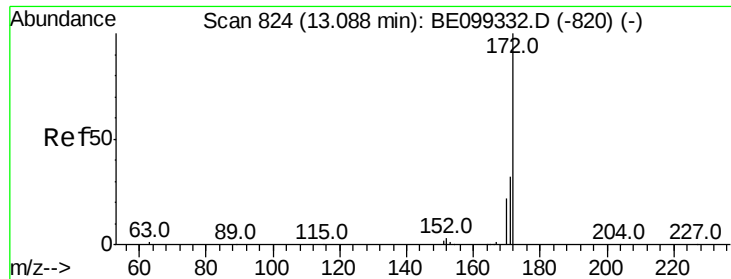
Delta R.T. -0.00 min

Lab File: BE099360.D

Acq: 25 Apr 2019 14:24

Tgt Ion:	330	Resp:	2396
Ion Ratio	Lower	Upper	
330	100		
332	99.2	82.5	123.7
141	35.0	24.9	37.3





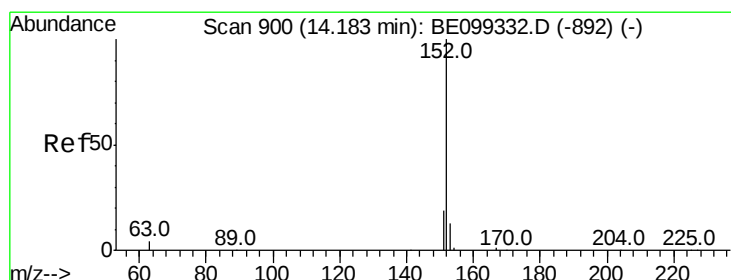
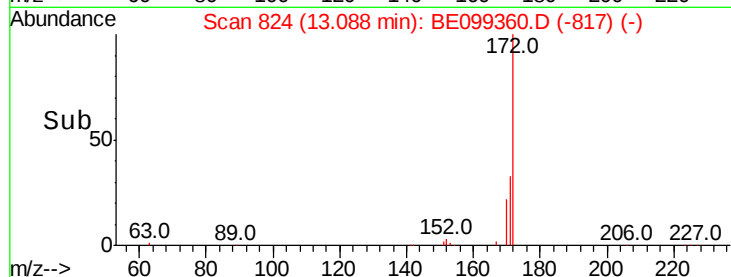
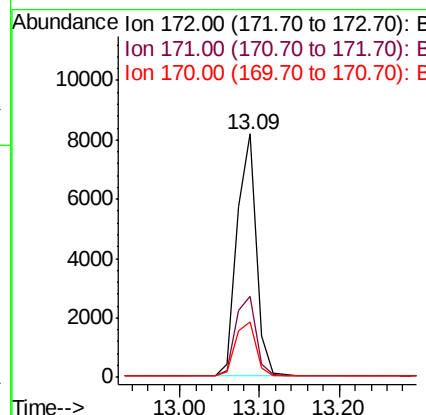
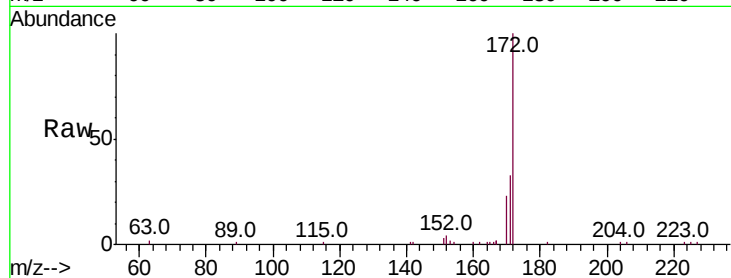
#15
2-Fluorobiphenyl
Concen: 0.292 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW030-042219

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.5	26.2	39.2
170	22.7	18.1	27.1

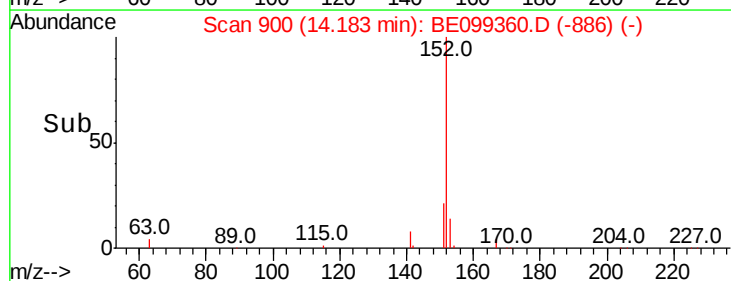
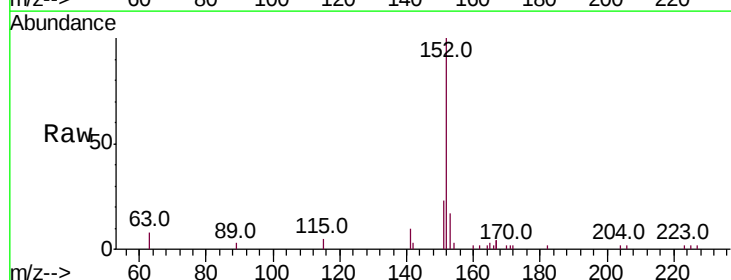
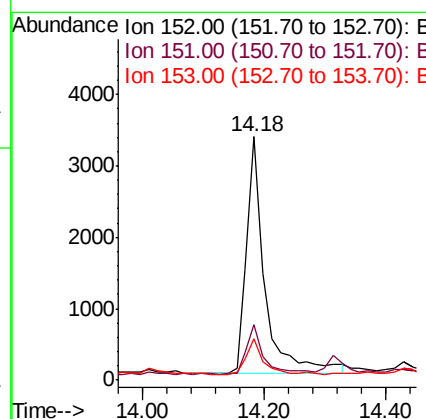
Manual Integrations
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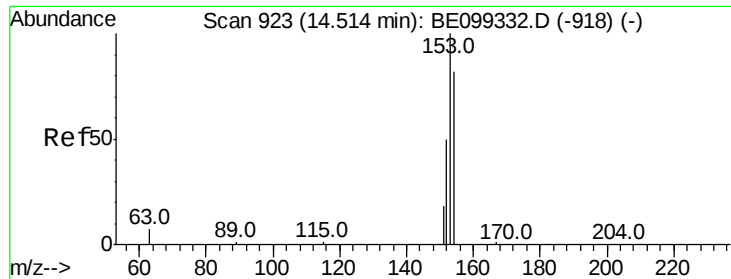
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#16
Acenaphthylene
Concen: 0.131 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.5	23.3
153	14.2	10.2	15.4





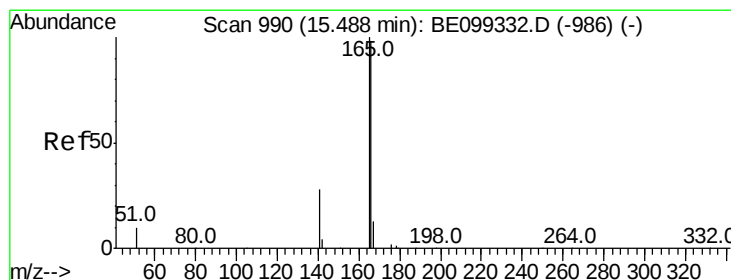
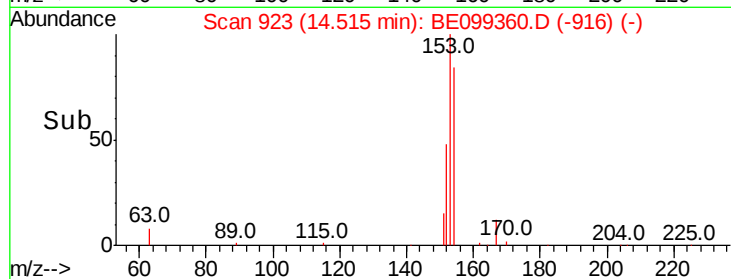
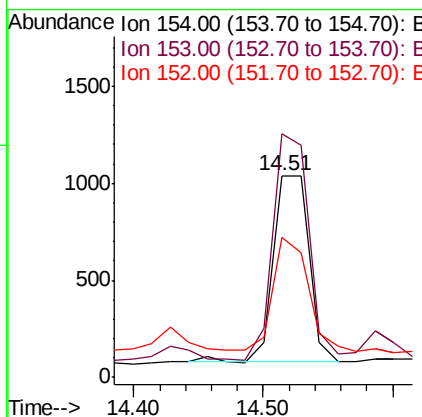
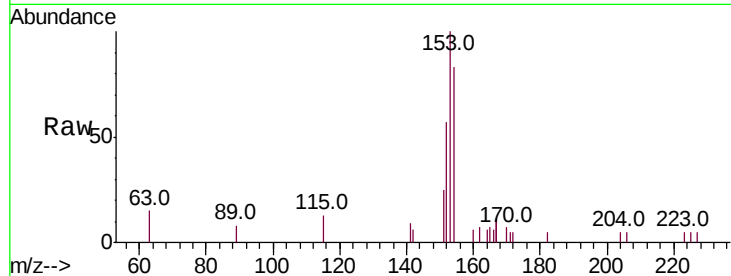
#17
Acenaphthene
Concen: 0.056 ng
RT: 14.51 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW030-042219

Tot Ion	Ratio	Lower	Upper
154	100		
153	121.8	94.7	142.1
152	59.1	46.4	69.6

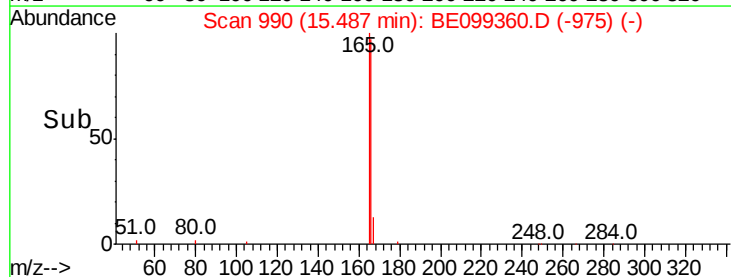
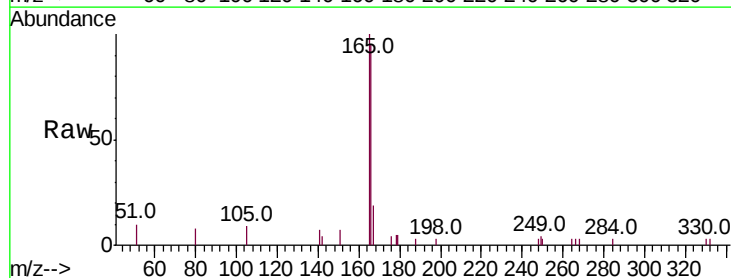
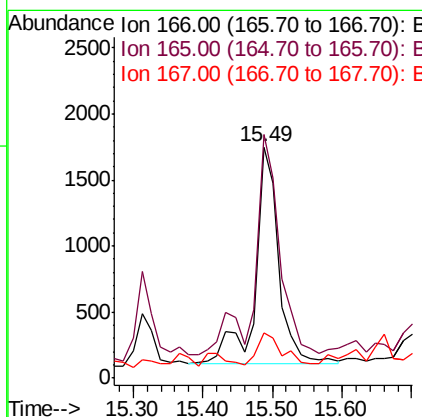
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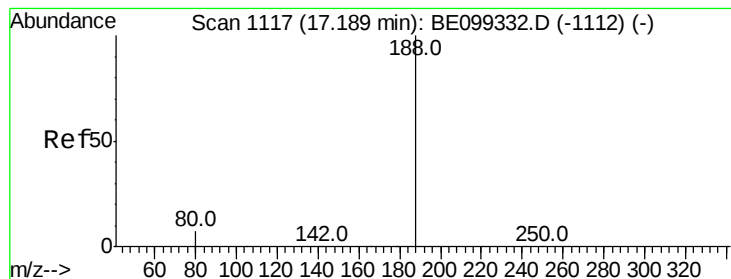
Sohil
4/29/2019 2:29:35 AM



#18
Fluorene
Concen: 0.080 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.00 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.6	79.7	119.5
167	15.1	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: BE099360.D

Acq: 25 Apr 2019 14:24

Instrument :

BNA_E

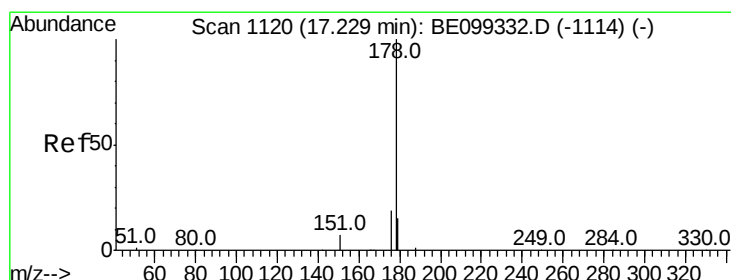
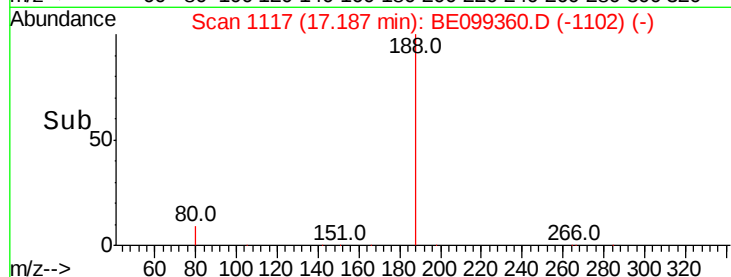
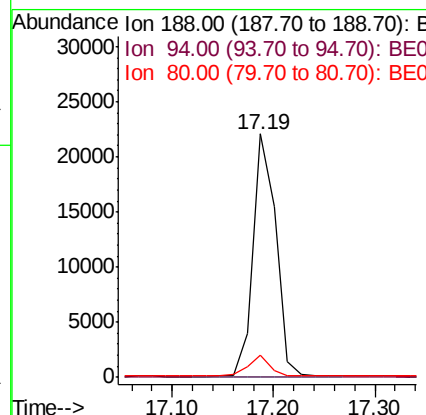
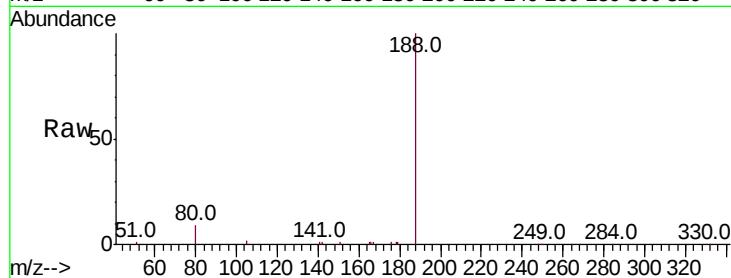
ClientSampleId :

EXT-025-SW030-042219

Tot Ion:	188	Resp:	34503
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.3	6.2	9.4

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#23

Phenanthrene

Concen: 1.389 ng

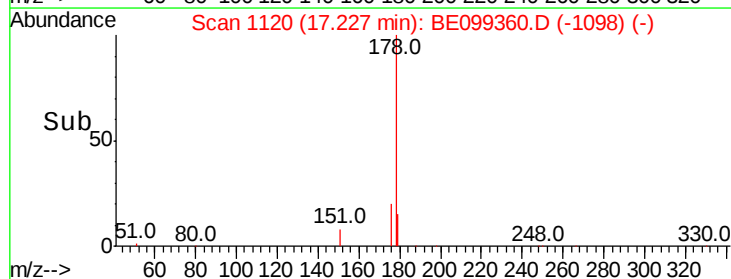
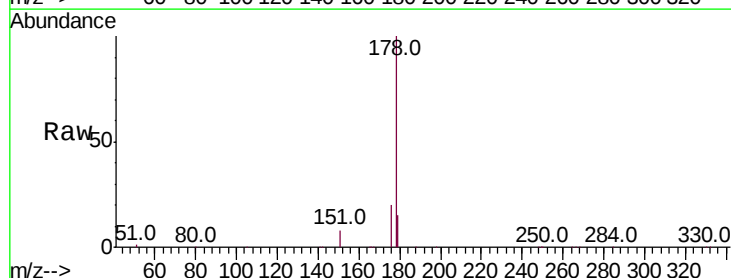
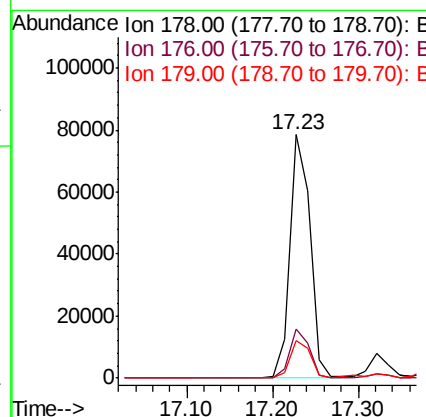
RT: 17.23 min Scan# 1120

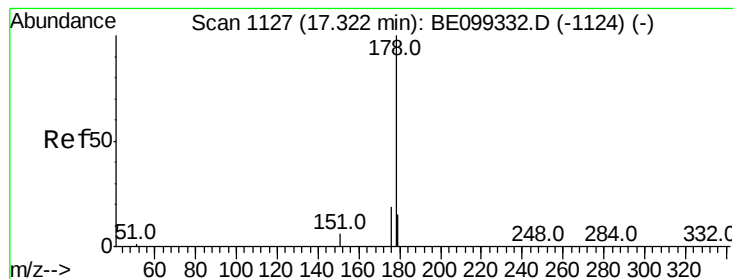
Delta R.T. -0.00 min

Lab File: BE099360.D

Acq: 25 Apr 2019 14:24

Tgt Ion:	178	Resp:	126943
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.3	22.9
179	15.6	12.4	18.6





#24

Anthracene

Concen: 0.133 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099360.D

Acq: 25 Apr 2019 14:24

Instrument :

BNA_E

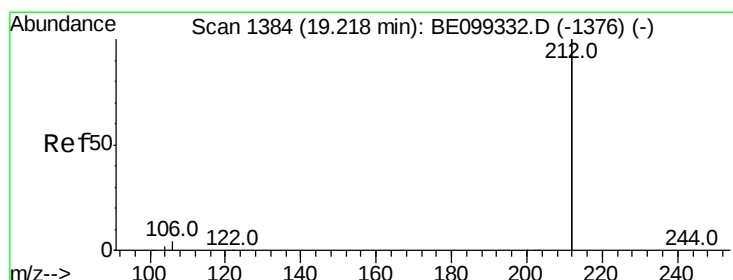
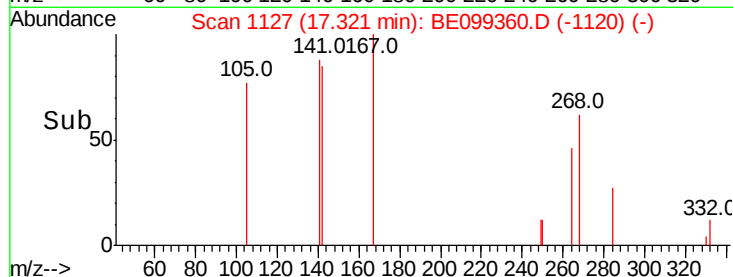
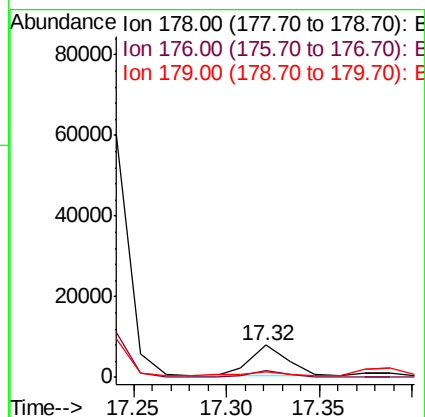
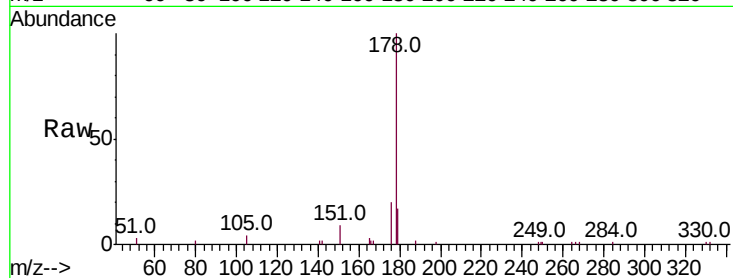
ClientSampleId :

EXT-025-SW030-042219

Tot Ion:	178	Resp:	10835
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.1	22.7
179	17.7	11.9	17.9

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#25

Fluoranthene-d10

Concen: 0.290 ng

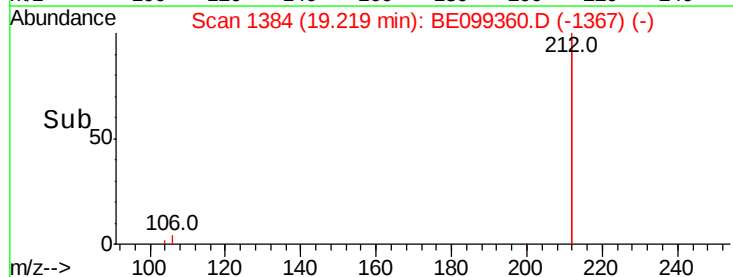
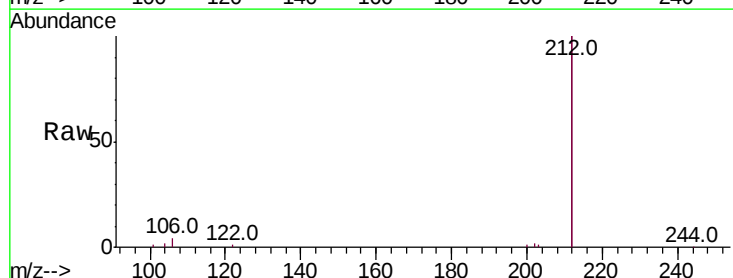
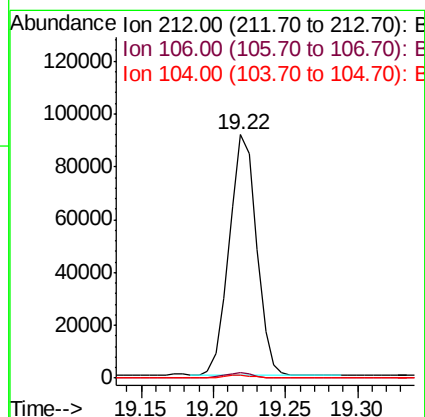
RT: 19.22 min Scan# 1384

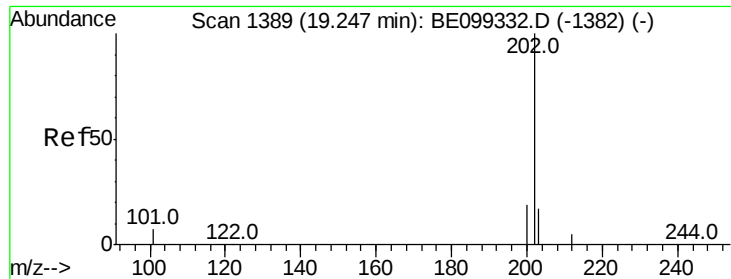
Delta R.T. 0.00 min

Lab File: BE099360.D

Acq: 25 Apr 2019 14:24

Tgt Ion:	212	Resp:	120317
Ion Ratio	Lower	Upper	
212	100		
106	2.1	1.8	2.6
104	1.1	1.0	1.4





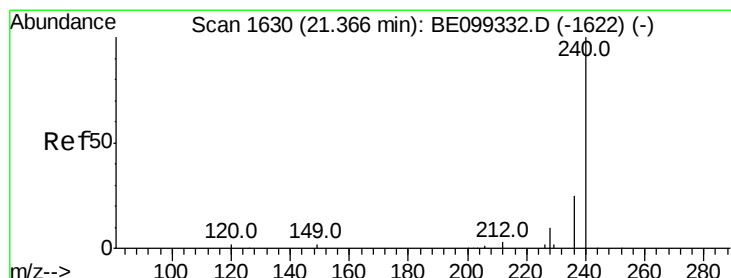
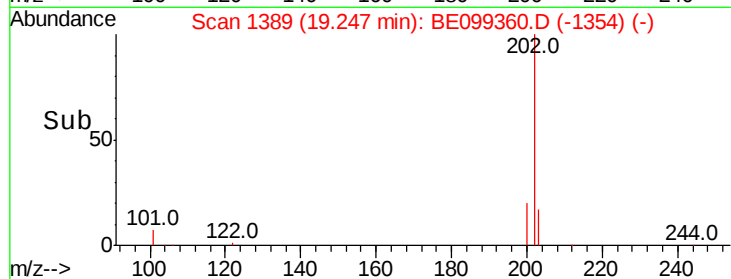
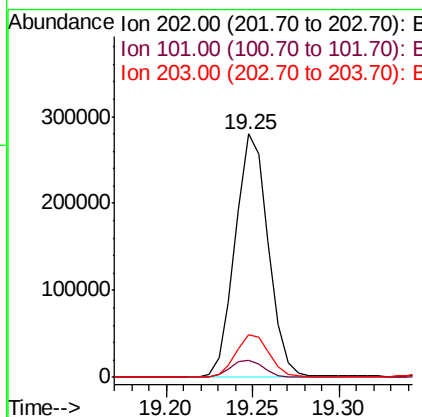
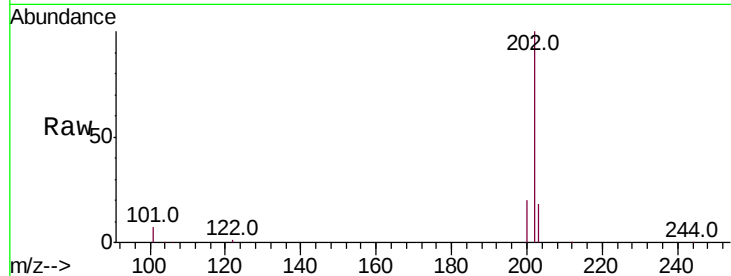
#26
Fluoranthene
 Concen: 3.044 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: BE099360.D
 Acq: 25 Apr 2019 14:24

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW030-042219

Tot Ion	Ratio	Resp	Lower	Upper
202	100	372241		
101	7.2		6.4	9.6
203	17.6		13.5	20.3

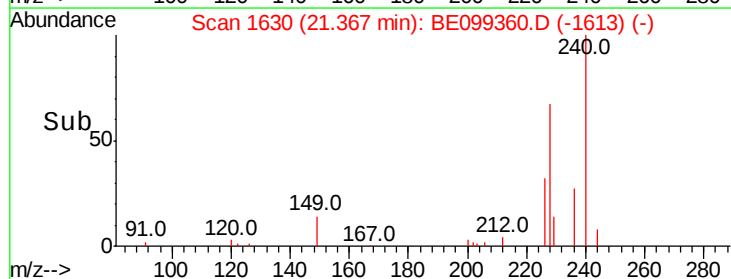
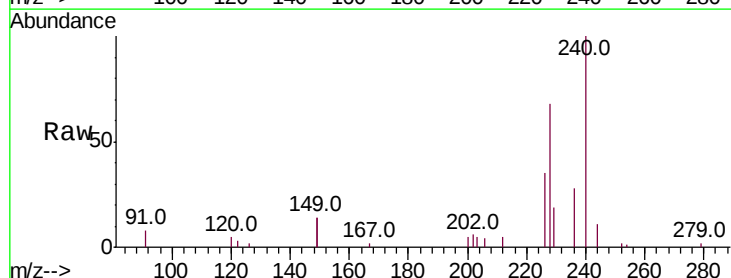
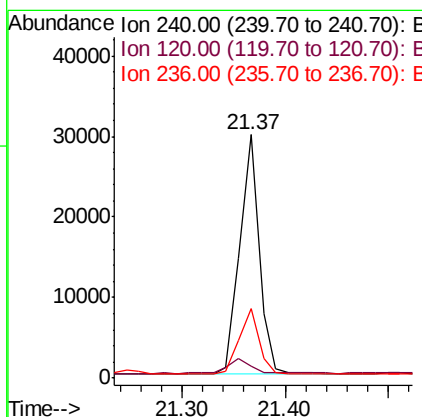
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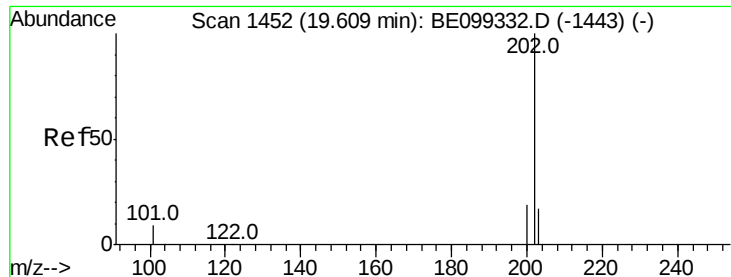
Sohil
 4/29/2019 2:29:35 AM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099360.D
 Acq: 25 Apr 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	39260		
120	5.1		2.2	3.2#
236	28.4		20.2	30.4





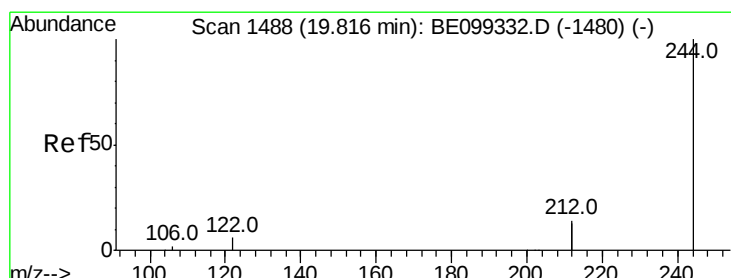
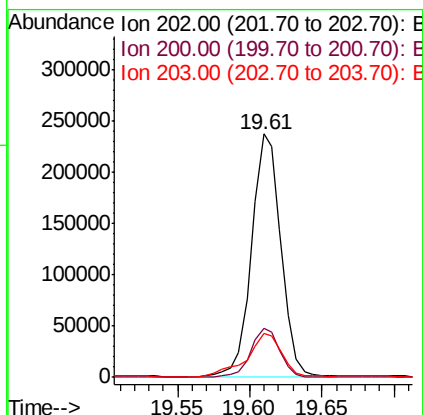
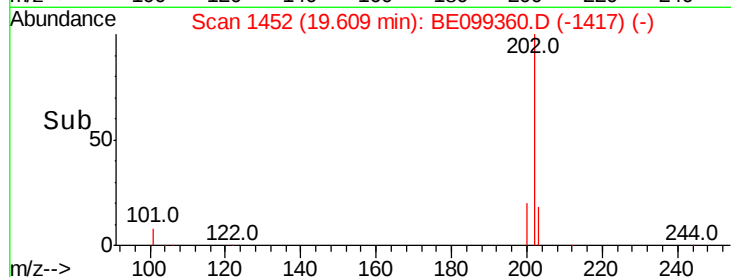
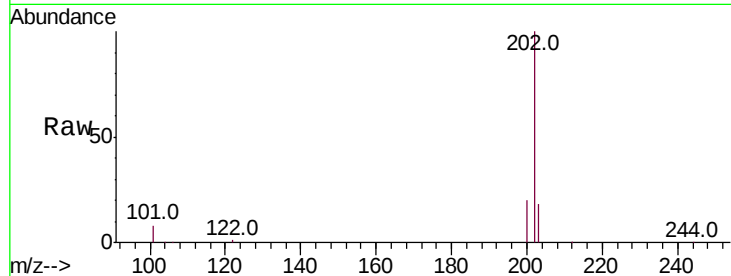
#28
Pvrene
Concen: 2.907 ng
RT: 19.61 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW030-042219

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.0	15.7	23.5
203	21.2	13.7	20.5

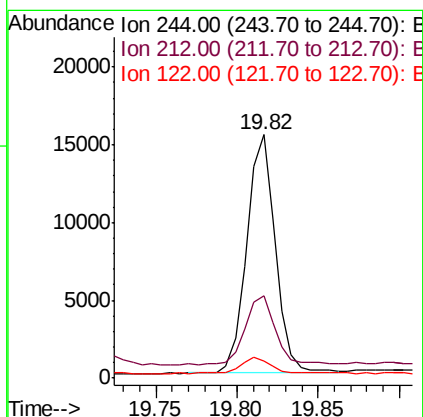
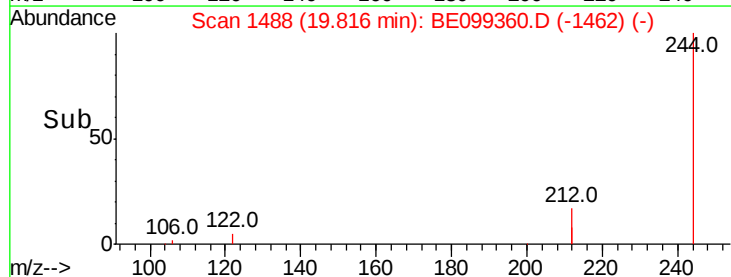
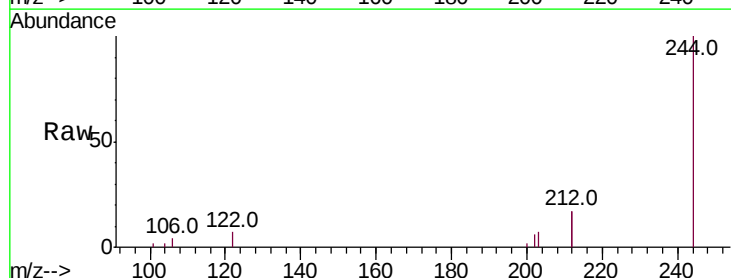
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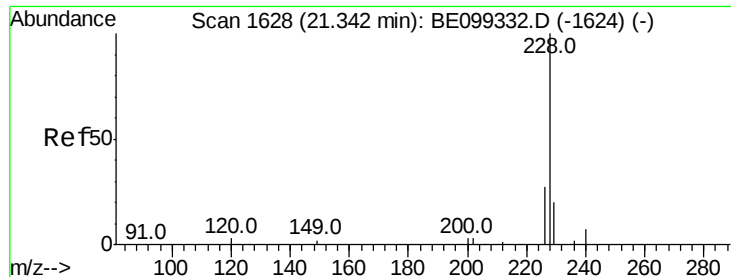
Sohil
4/29/2019 2:29:35 AM



#29
Terphenyl-d14
Concen: 0.243 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	33.7	22.6	33.8
122	7.1	4.6	7.0





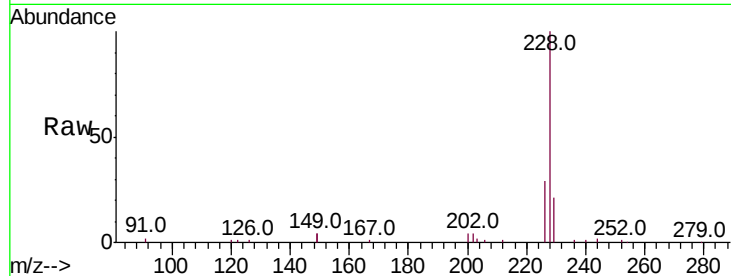
#30
Benzo(a)anthracene
Concen: 1.410 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW030-042219

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.0	33.0
229	21.2	15.8	23.8

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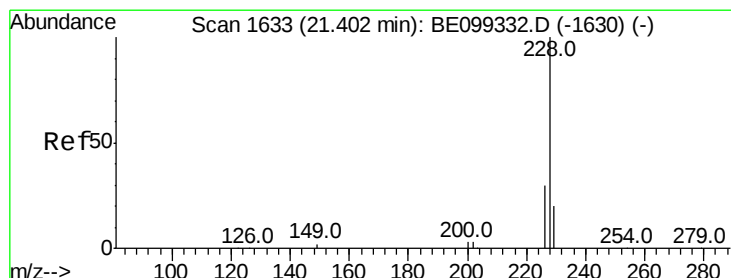
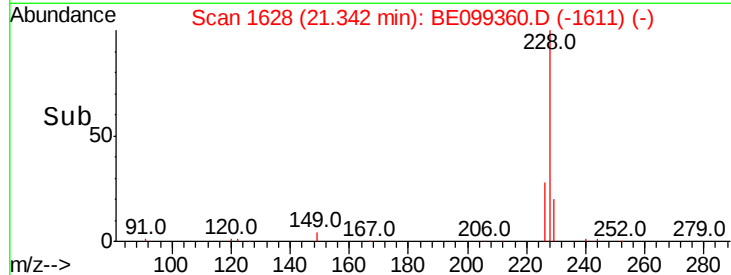
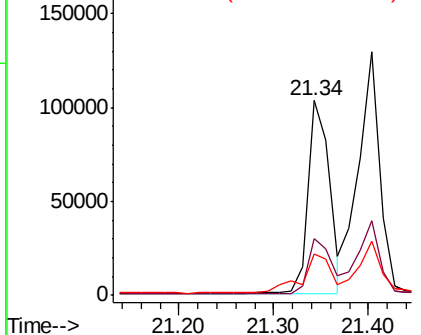


Abundance

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: 1.654 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

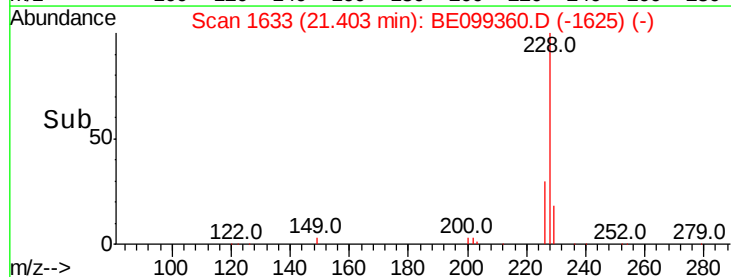
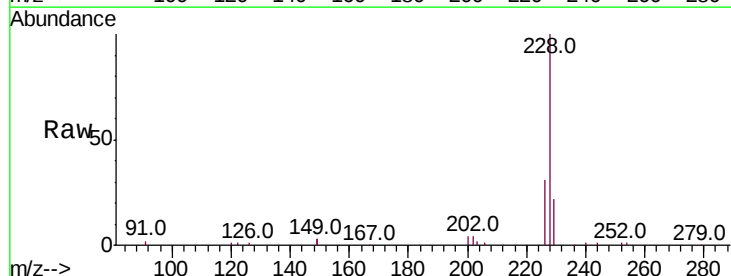
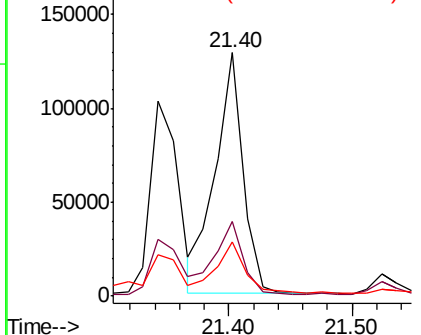
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.4	35.2
229	22.0	16.2	24.2

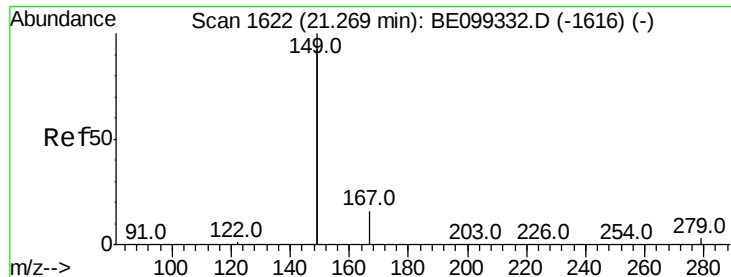
Abundance

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





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.069 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099360.D

Acq: 25 Apr 2019 14:24

Instrument :

BNA_E

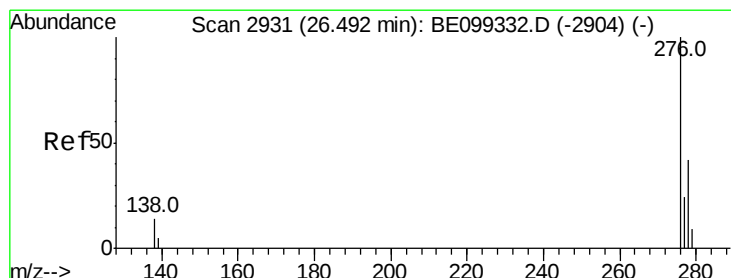
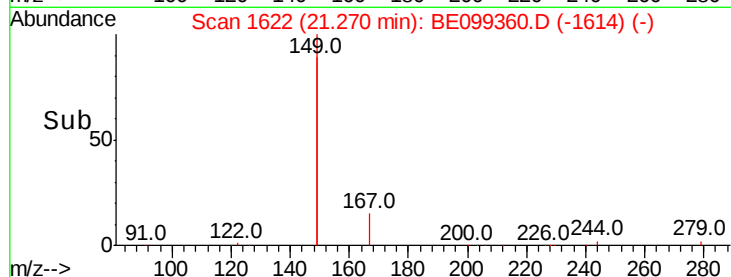
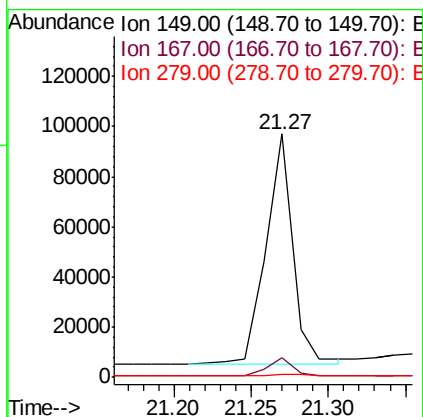
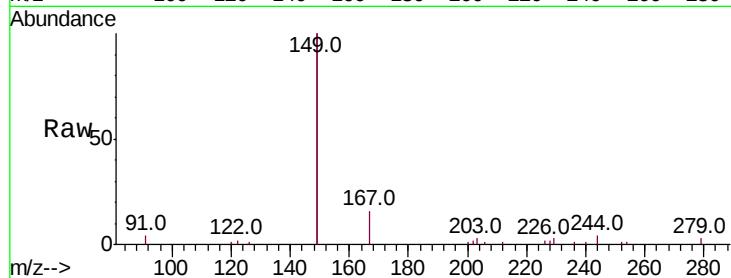
ClientSampleId :

EXT-025-SW030-042219

Tot Ion:	149	Resp:	112304
Ion Ratio	Lower	Upper	
149	100		
167	7.2	6.0	9.0
279	1.5	1.1	1.7

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.056 ng

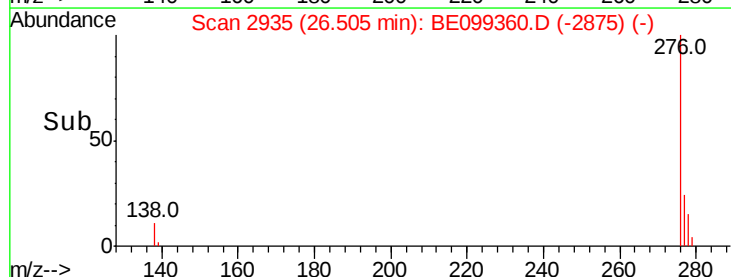
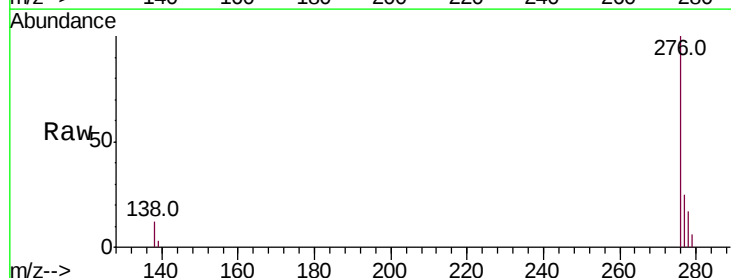
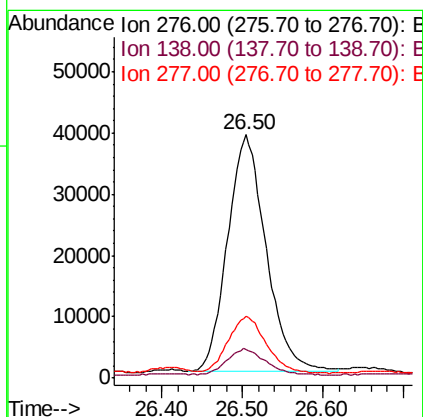
RT: 26.50 min Scan# 2935

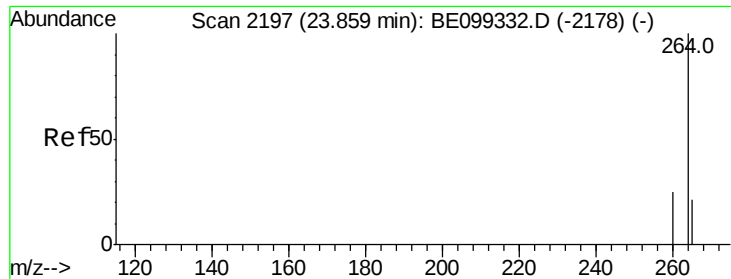
Delta R.T. 0.01 min

Lab File: BE099360.D

Acq: 25 Apr 2019 14:24

Tgt Ion:	276	Resp:	128064
Ion Ratio	Lower	Upper	
276	100		
138	10.5	12.7	19.1#
277	23.8	19.6	29.4





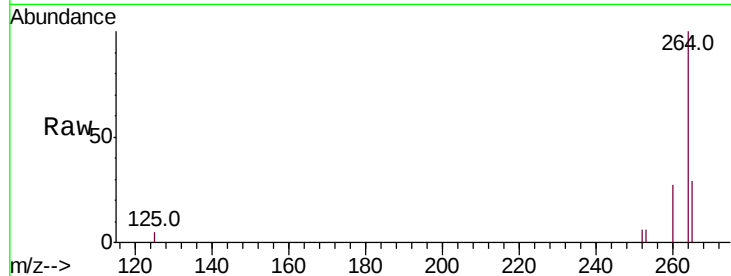
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW030-042219

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.0	20.1	30.1
265	28.9	19.9	29.9

Manual Integrations
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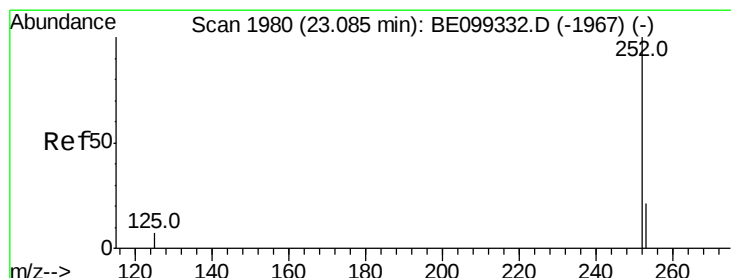
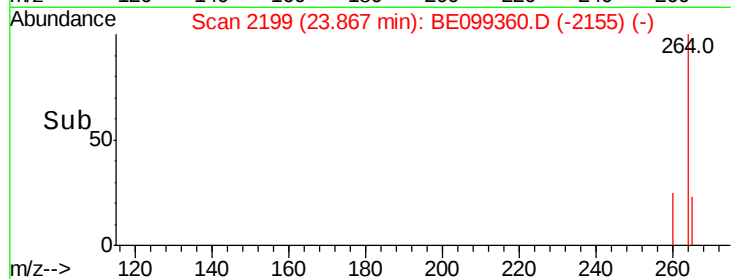
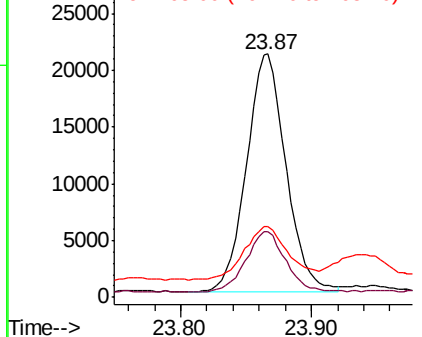


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#35
Benzo(b)fluoranthene
Concen: 1.844 ng
RT: 23.10 min Scan# 1983
Delta R.T. 0.01 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

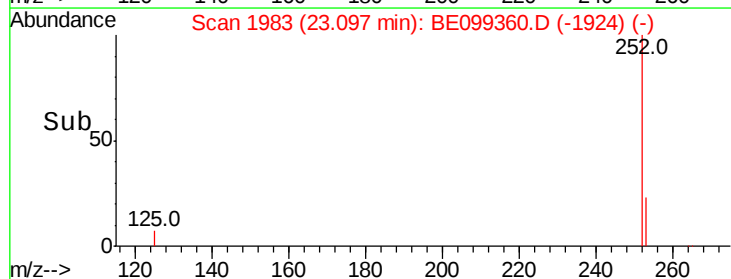
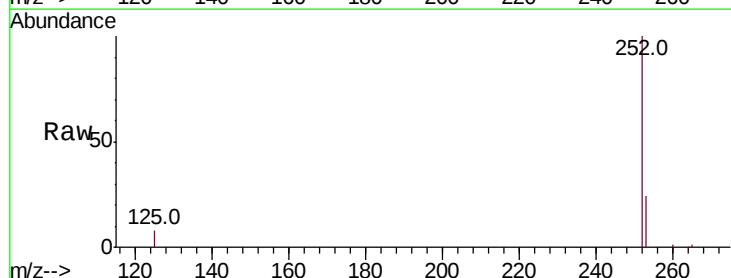
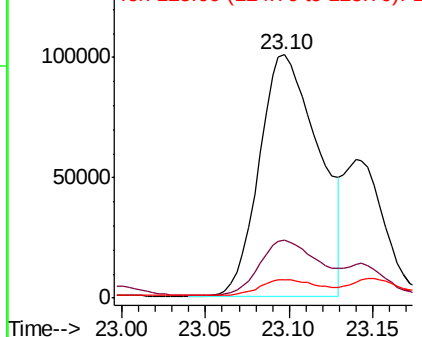
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.3	25.9
125	7.6	5.8	8.6

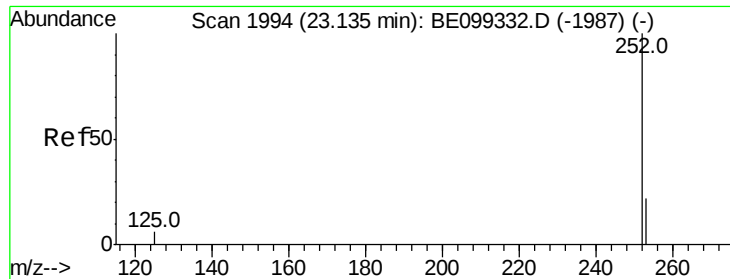
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





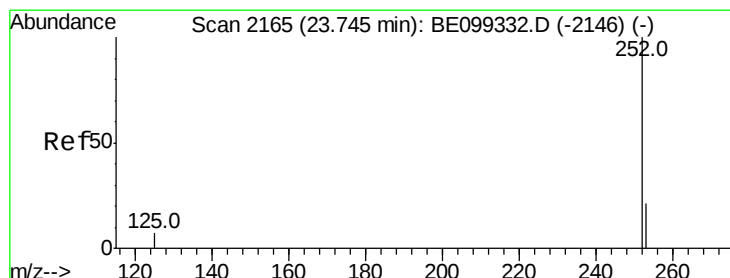
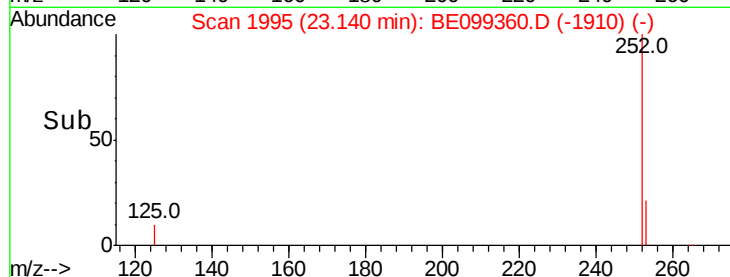
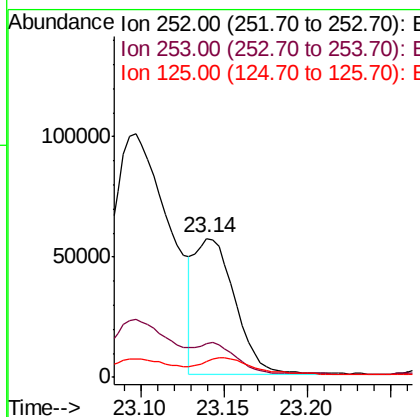
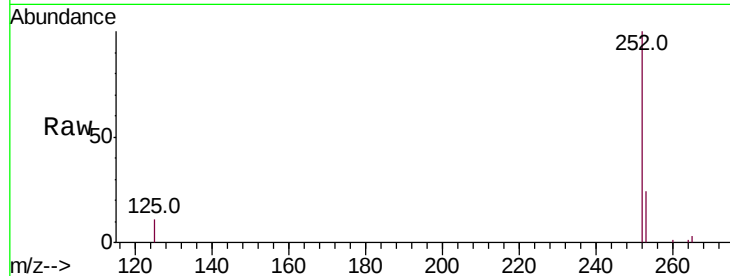
#36
Benzo(k)fluoranthene
Concen: 0.701 ng m
RT: 23.14 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW030-042219

Tot Ion:252 Resp: 94056
Ion Ratio Lower Upper
252 100
253 24.4 18.4 27.6
125 11.5 5.4 8.0#

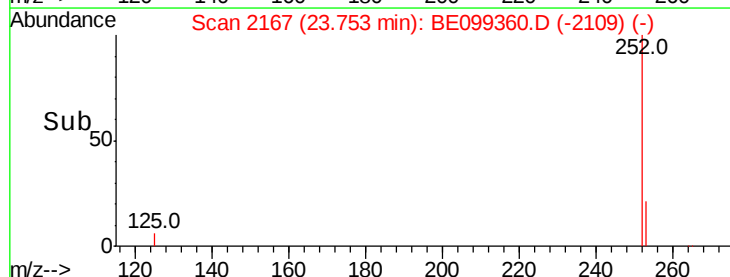
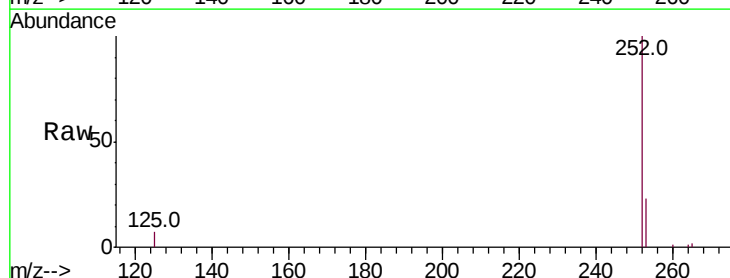
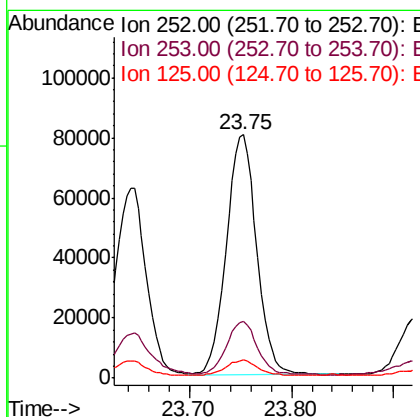
Manual Integrations
APPROVED

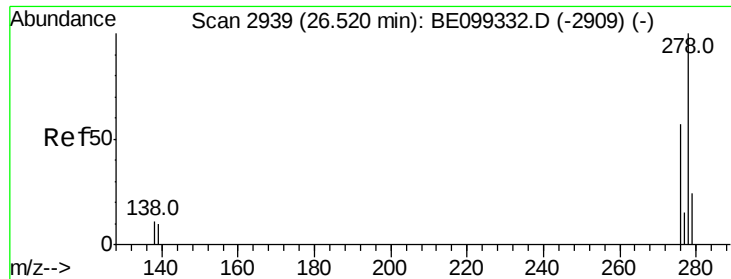
Sohil
4/29/2019 2:29:35 AM



#37
Benzo(a)pyrene
Concen: 1.362 ng
RT: 23.75 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

Tgt Ion:252 Resp: 164109
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 7.3 6.5 9.7





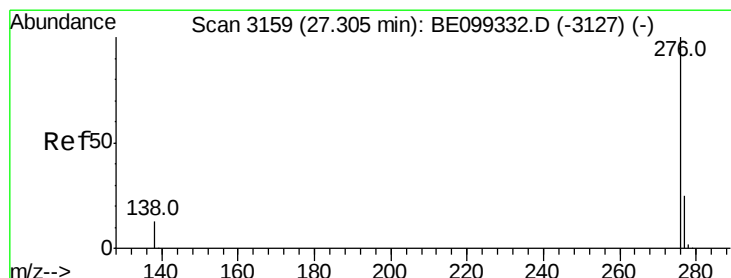
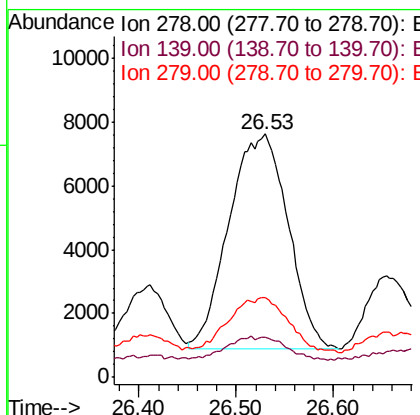
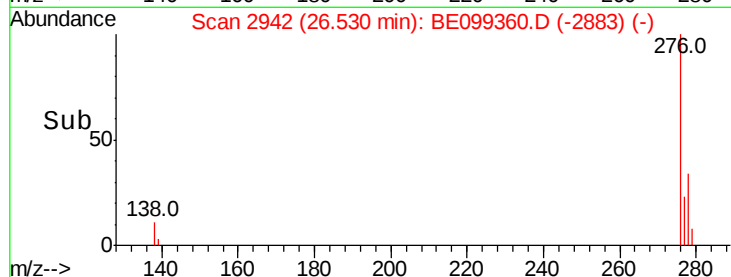
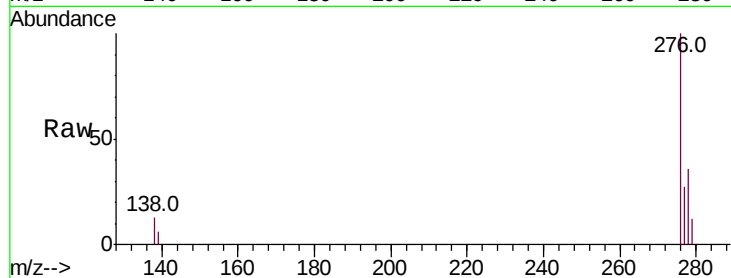
#38
Dibenzo(a,h)anthracene
Concen: 0.232 ng
RT: 26.53 min Scan# 2942
Delta R.T. 0.01 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW030-042219

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.3	8.5	12.7#
279	32.7	19.8	29.8#

Manual Integrations
APPROVED

Sohil
4/29/2019 2:29:35 AM



#39
Benzo(g,h,i)perylene
Concen: 1.061 ng
RT: 27.33 min Scan# 3165
Delta R.T. 0.02 min
Lab File: BE099360.D
Acq: 25 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.0	30.0
138	12.3	11.1	16.7

