

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\
 Data File : BE099359.D
 Acq On : 25 Apr 2019 13:48
 Operator : JU/SJ
 Sample : K2534-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW031-042219

Manual Integrations
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Sohil
 4/29/2019 2:29:33 AM

Quant Time: Apr 26 01:49:47 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	4770	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	19347	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	13464	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	36370	0.40	ng	0.00
27) Chrysene-d12	21.37	240	39350	0.40	ng	0.00
34) Perylene-d12	23.86	264	44134	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	4707	0.40	ng	0.01
5) Phenol-d6	6.97	99	7162	0.43	ng	0.00
8) Nitrobenzene-d5	8.97	82	5928	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	10910	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	2350	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	15665	0.30	ng	0.00
25) Fluoranthene-d10	19.22	212	118177	0.27	ng	0.00
29) Terphenyl-d14	19.82	244	20616	0.27	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	4638	0.022	ng	# 94
16) Acenaphthylene	14.18	152	4296	0.071	ng	# 93
18) Fluorene	15.49	166	1626	0.030	ng	# 91
23) Phenanthrene	17.23	178	50205	0.521	ng	# 99
24) Anthracene	17.32	178	4536	0.053	ng	# 92
26) Fluoranthene	19.25	202	150006	1.164	ng	# 98
28) Pyrene	19.61	202	143781	1.240	ng	# 95
30) Benzo(a)anthracene	21.34	228	72167	0.624	ng	# 96
31) Chrysene	21.40	228	92613	0.752	ng	# 96
32) Bis(2-ethylhexyl)phthalate	21.27	149	100845	0.958	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.50	276	55370	0.455	ng	# 96
35) Benzo(b)fluoranthene	23.09	252	113088	0.837	ng	# 94
36) Benzo(k)fluoranthene	23.14	252	38626m	0.287	ng	# 95
37) Benzo(a)pyrene	23.75	252	72999	0.603	ng	# 95
38) Dibenzo(a,h)anthracene	26.52	278	13166	0.106	ng	# 72
39) Benzo(g,h,i)perylene	27.32	276	56912	0.454	ng	# 96

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

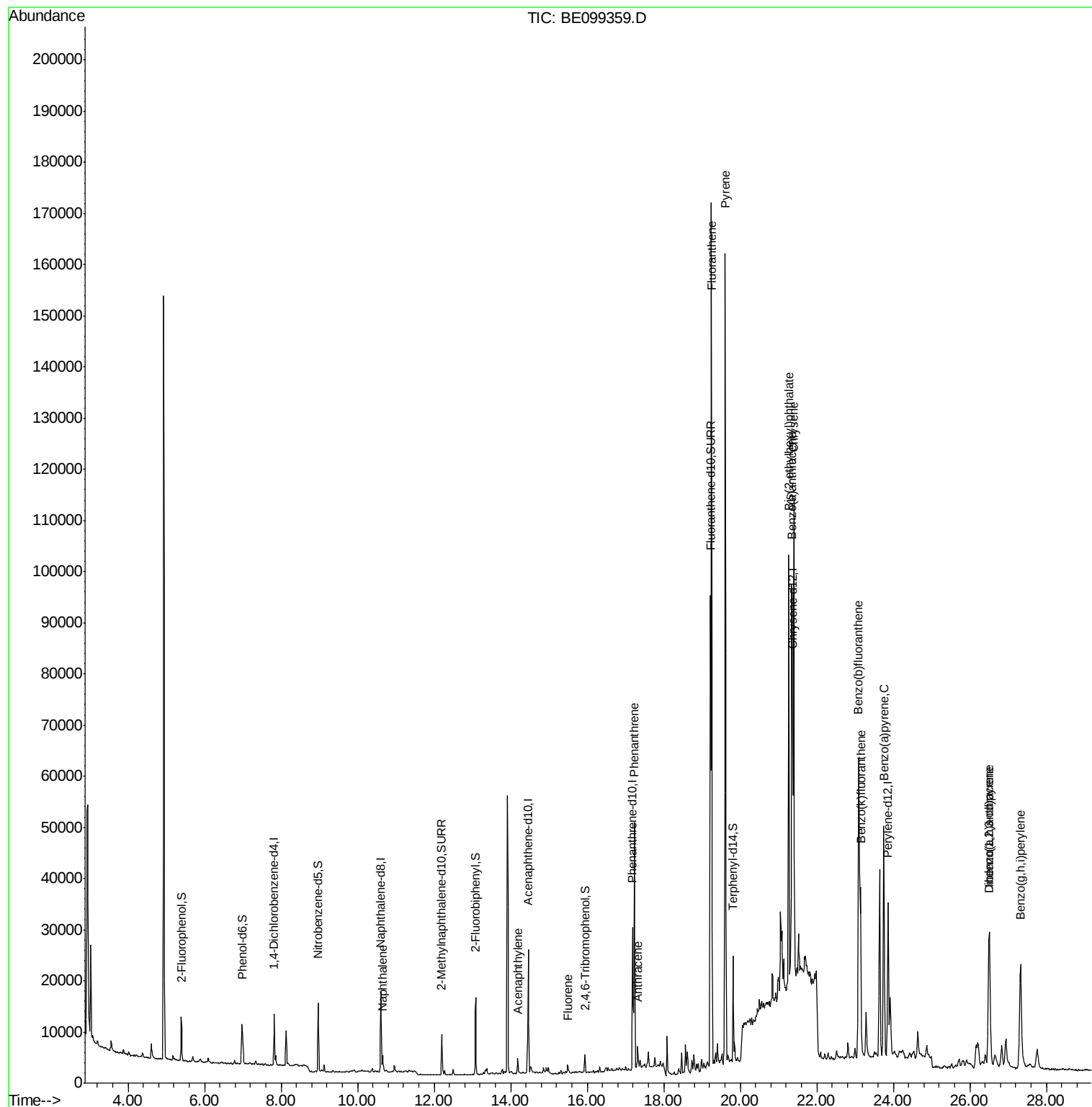
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\
Data File : BE099359.D
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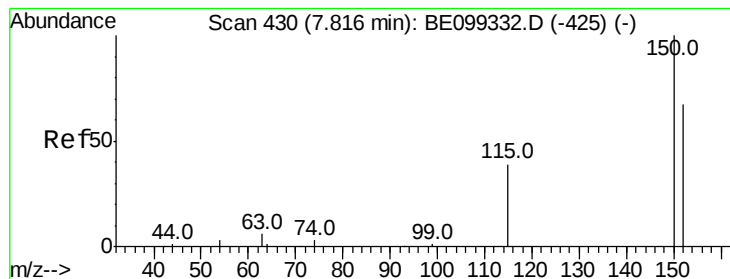
Instrument :
BNA_E
ClientSampleId :
EXT-025-SW031-042219

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4/29/2019 2:29:33 AM

Quant Time: Apr 26 01:49:47 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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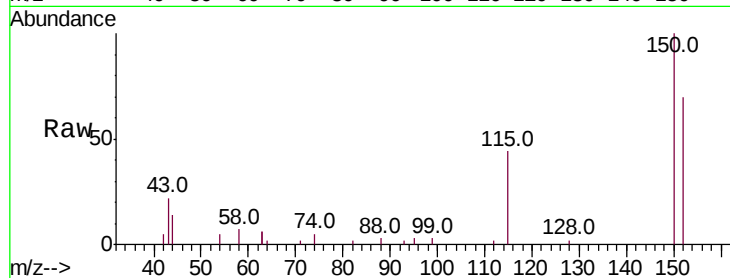
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.82 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: BE099359.D
 Acq: 25 Apr 2019 13:48

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW031-042219

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.7	119.5	179.3
115	63.1	47.5	71.3

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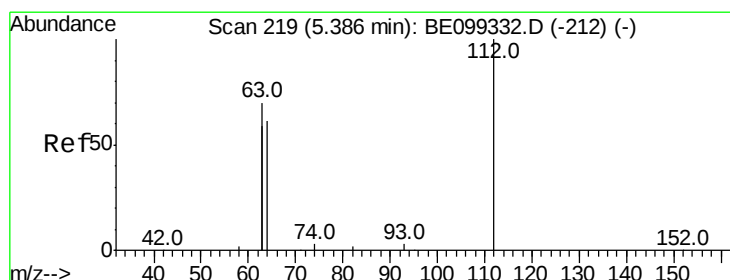
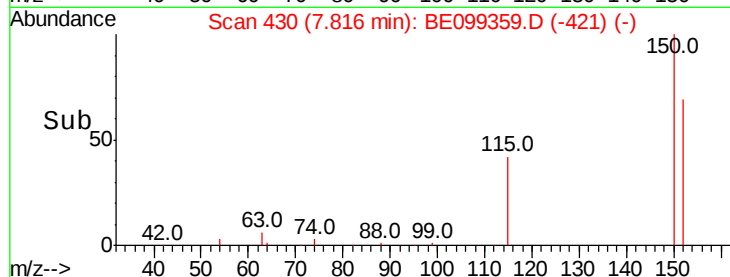
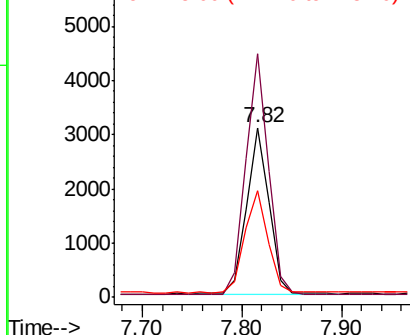


Abundance

Ion 152.00 (151.70 to 152.70): E

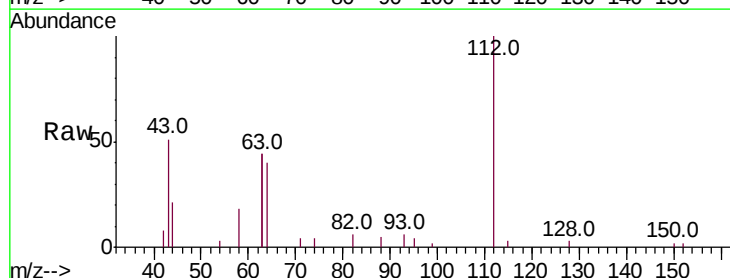
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4
 2-Fluorophenol
 Concen: 0.404 ng
 RT: 5.40 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: BE099359.D
 Acq: 25 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.9	67.3
63	137.1	97.4	146.0

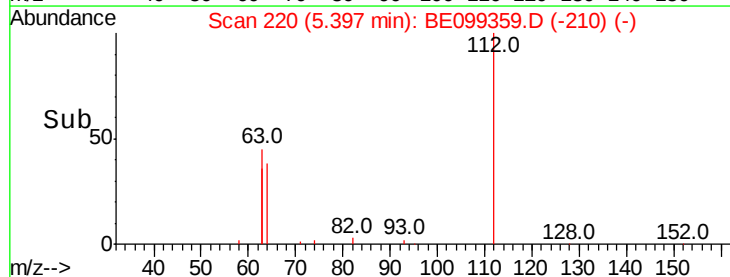
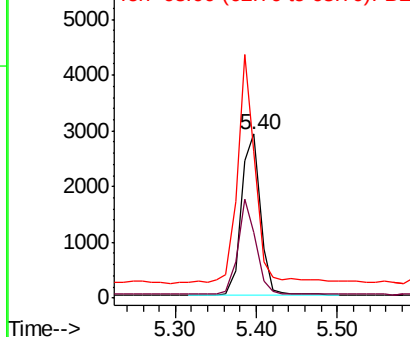


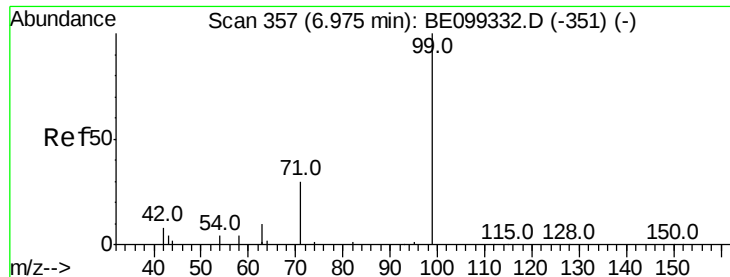
Abundance

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: 0.431 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099359.D

Acq: 25 Apr 2019 13:48

Instrument :

BNA_E

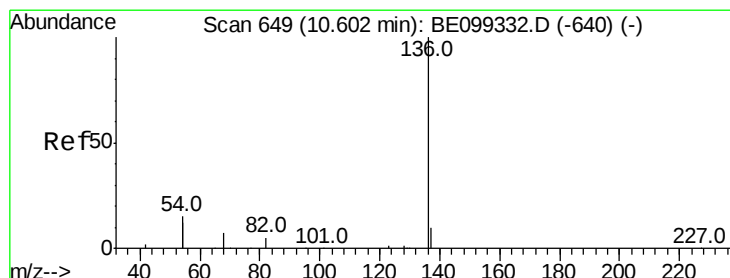
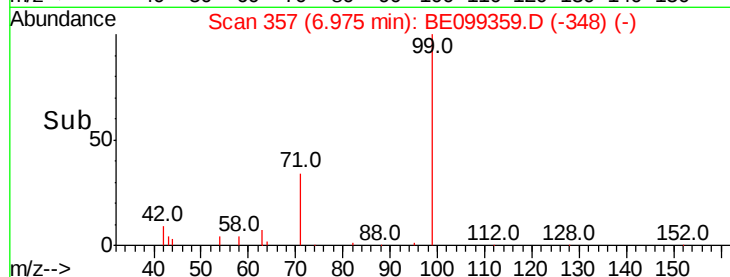
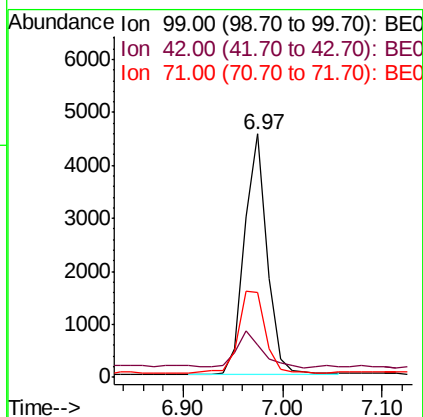
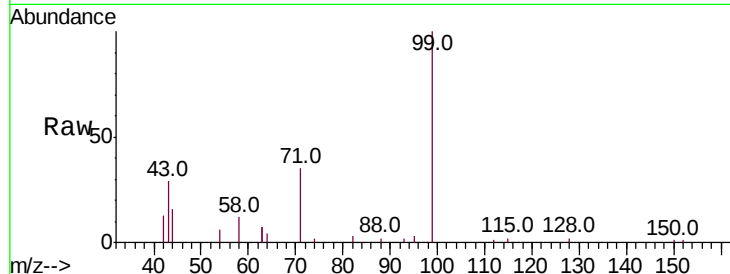
ClientSampleId :

EXT-025-SW031-042219

Tot Ion:	99	Resp:	7162
Ion	Ratio	Lower	Upper
99	100		
42	17.0	11.7	17.5
71	40.2	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

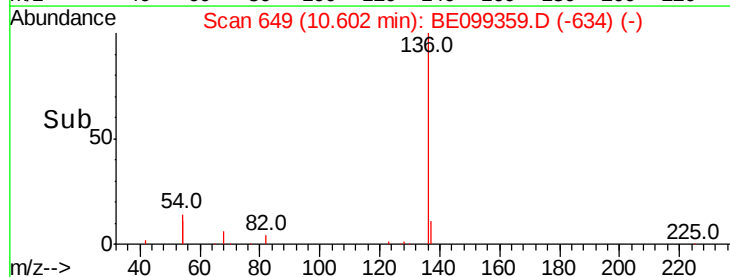
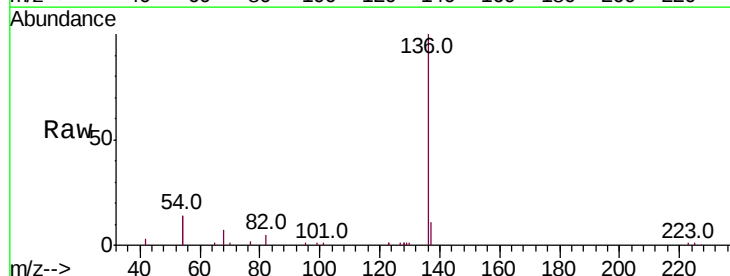
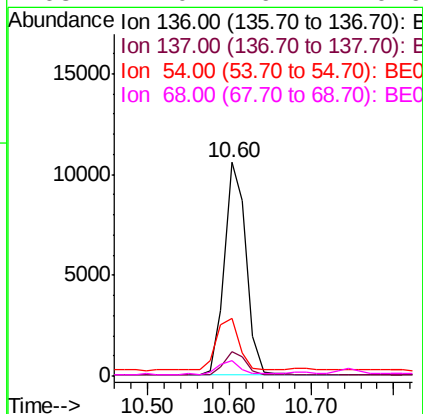
RT: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE099359.D

Acq: 25 Apr 2019 13:48

Tgt Ion:	136	Resp:	19347
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	27.3	23.8	35.8
68	7.0	6.4	9.6





#8

Nitrobenzene-d5

Concen: 0.395 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099359.D

Acq: 25 Apr 2019 13:48

Instrument :

BNA_E

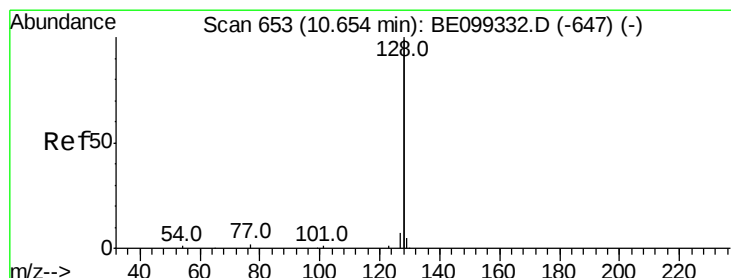
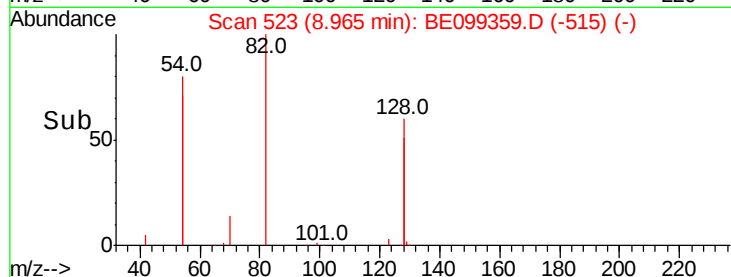
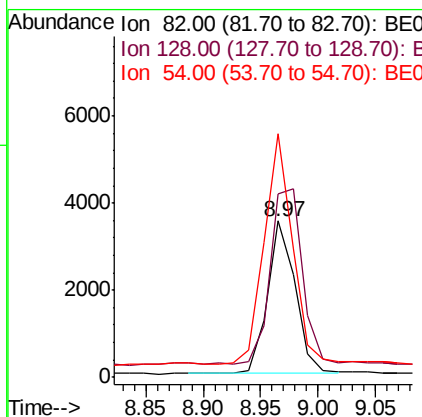
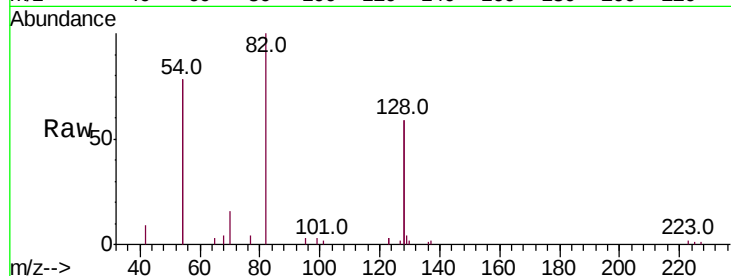
ClientSampleId :

EXT-025-SW031-042219

Tot Ion:	82	Resp:	5928
Ion	Ratio	Lower	Upper
82	100		
128	117.2	91.7	137.5
54	155.6	122.8	184.2

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#9

Naphthalene

Concen: 0.022 ng

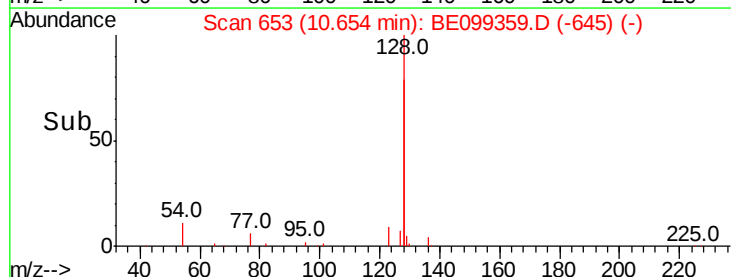
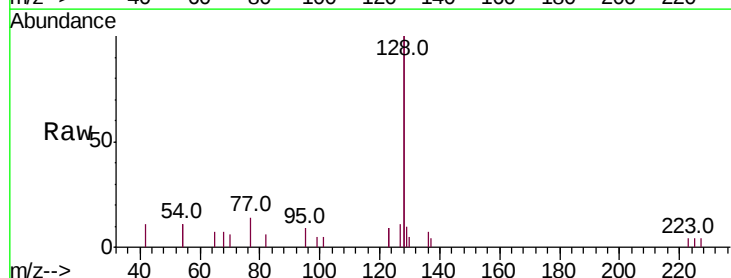
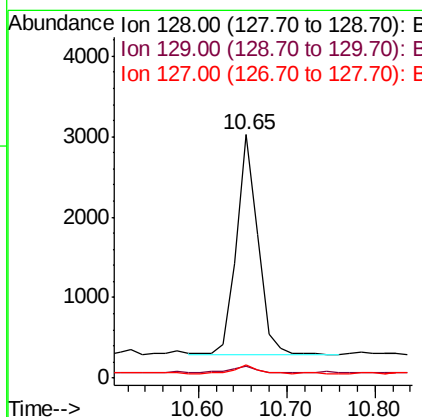
RT: 10.65 min Scan# 653

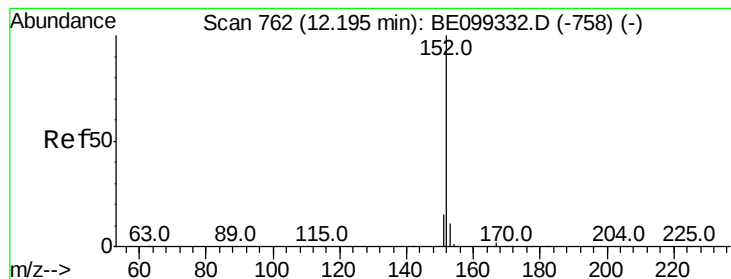
Delta R.T. 0.00 min

Lab File: BE099359.D

Acq: 25 Apr 2019 13:48

Tgt Ion:	128	Resp:	4638
Ion	Ratio	Lower	Upper
128	100		
129	4.8	2.3	3.5#
127	5.3	2.8	4.2#





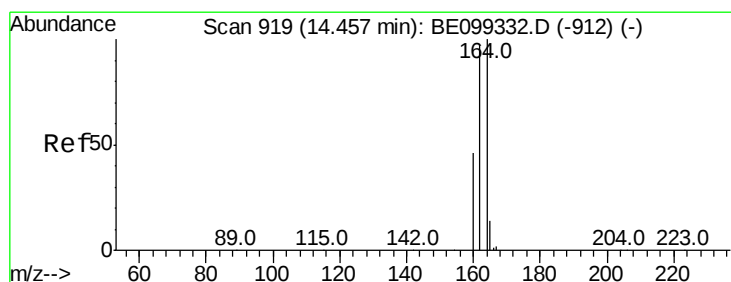
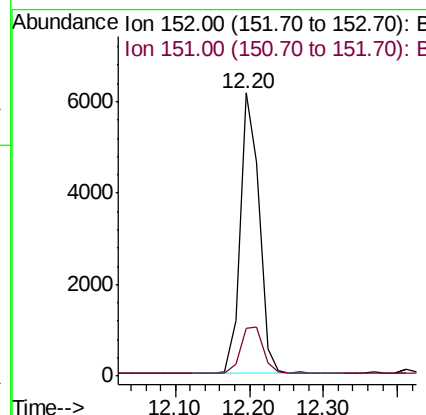
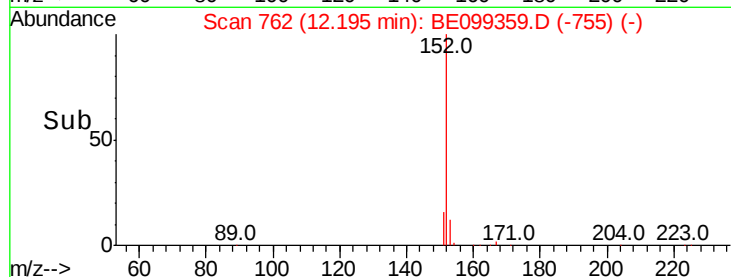
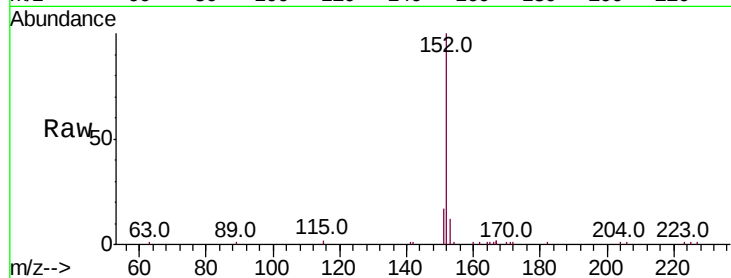
#11
 2-Methylnaphthalene-d10
 Concen: 0.320 ng
 RT: 12.20 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE099359.D
 Acq: 25 Apr 2019 13:48

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW031-042219

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	14.9	22.3

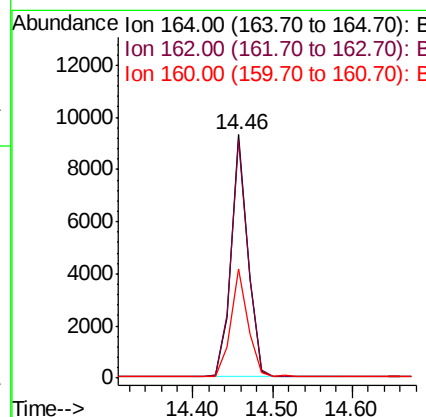
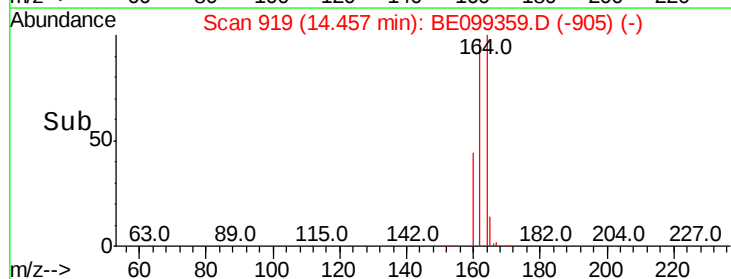
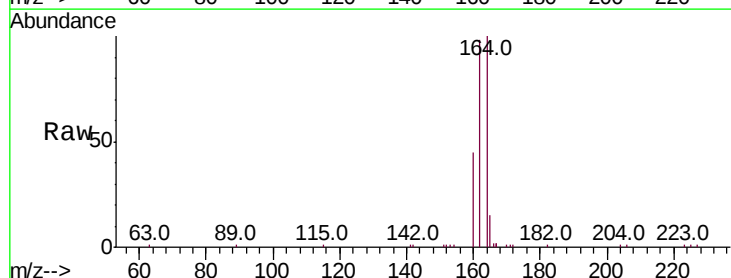
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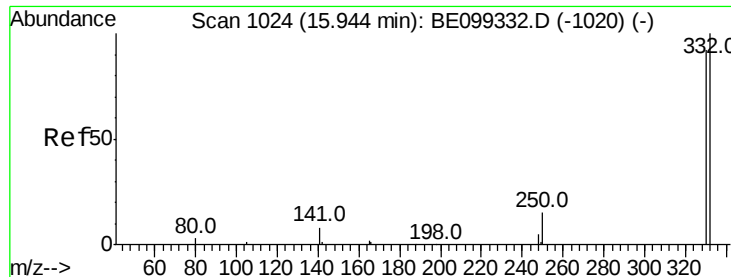
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: BE099359.D
 Acq: 25 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.9	77.8	116.6
160	44.9	37.1	55.7





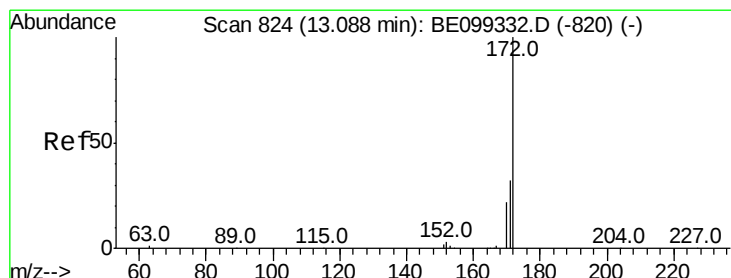
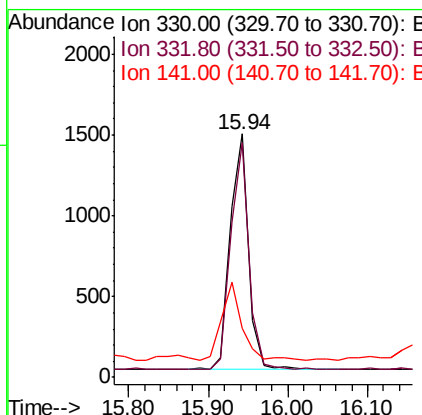
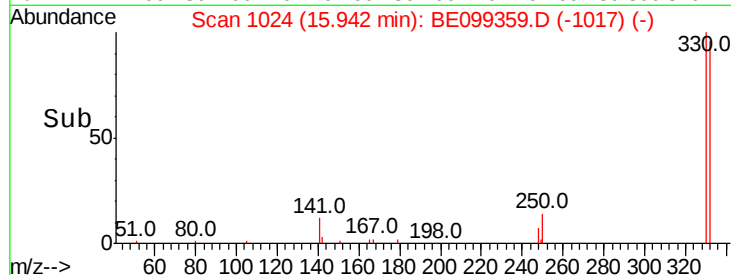
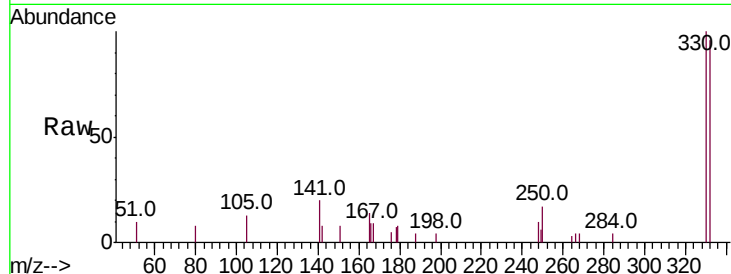
#14
 2,4,6-Tribromophenol
 Concen: 0.525 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099359.D
 Acq: 25 Apr 2019 13:48

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW031-042219

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	82.5	123.7
141	35.8	24.9	37.3

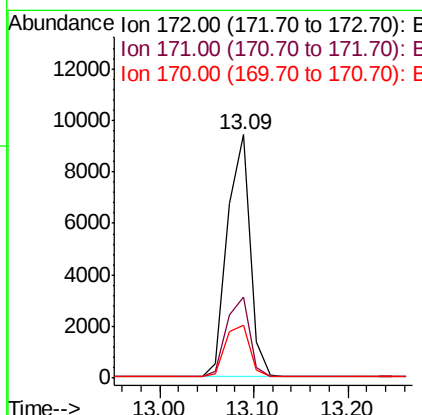
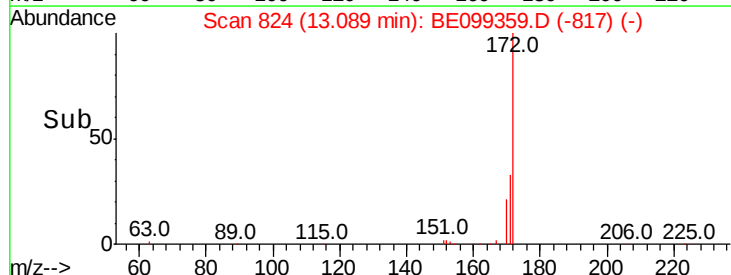
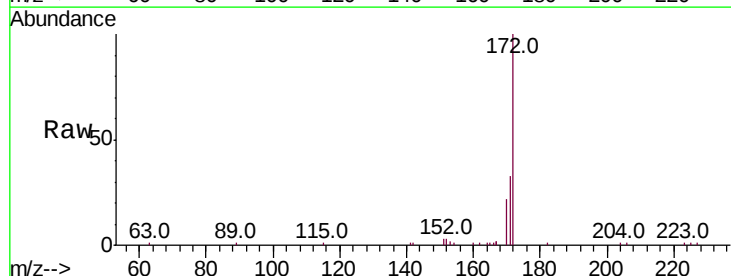
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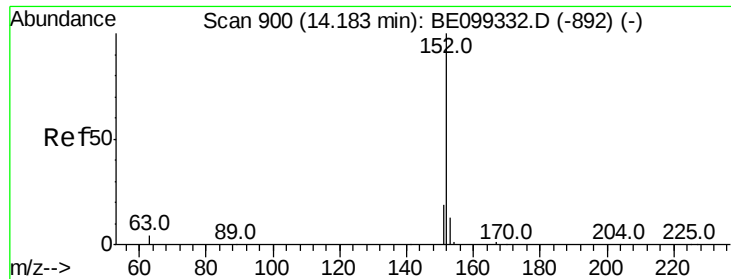
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#15
 2-Fluorobiphenyl
 Concen: 0.296 ng
 RT: 13.09 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BE099359.D
 Acq: 25 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	26.2	39.2
170	21.9	18.1	27.1





#16

Acenaphthylene

Concen: 0.071 ng

RT: 14.18 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE099359.D

Acq: 25 Apr 2019 13:48

Instrument :

BNA_E

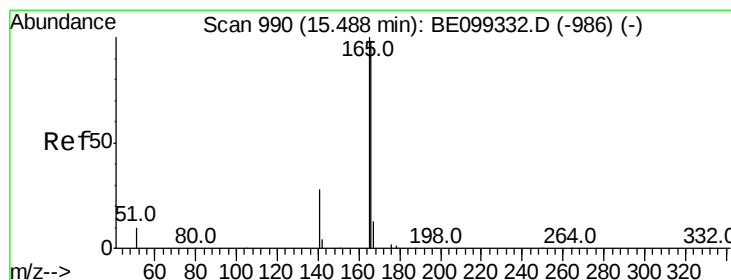
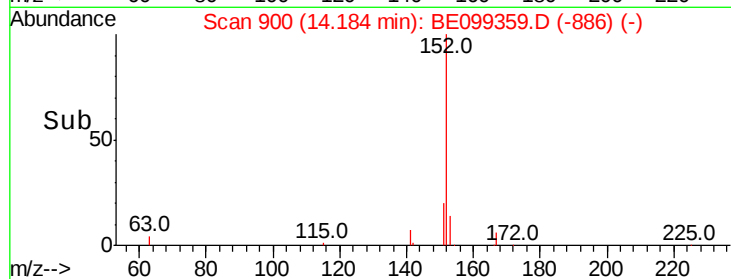
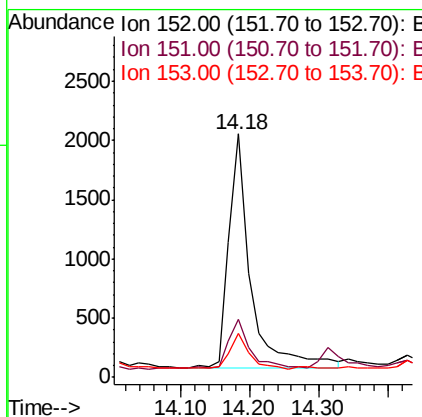
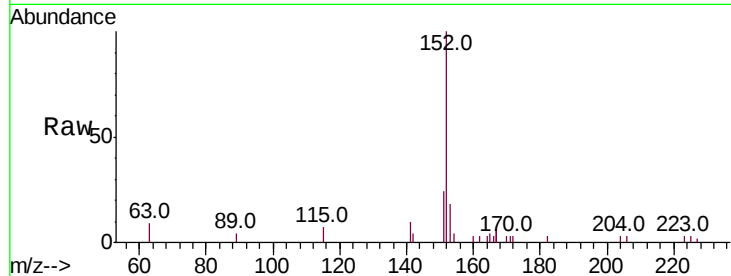
ClientSampleId :

EXT-025-SW031-042219

Tot Ion:	152	Resp:	4296
Ion Ratio	Lower	Upper	
152	100		
151	24.0	15.5	23.3#
153	13.2	10.2	15.4

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#18

Fluorene

Concen: 0.030 ng

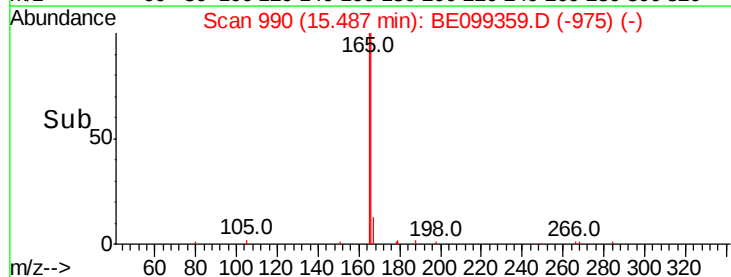
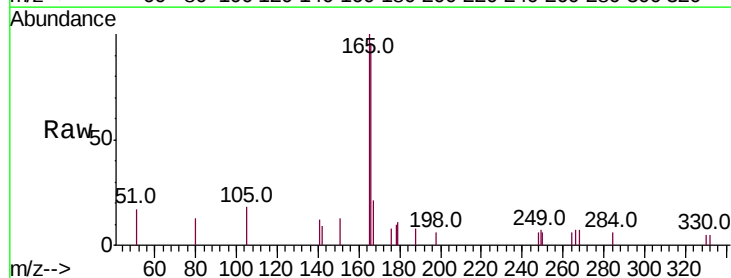
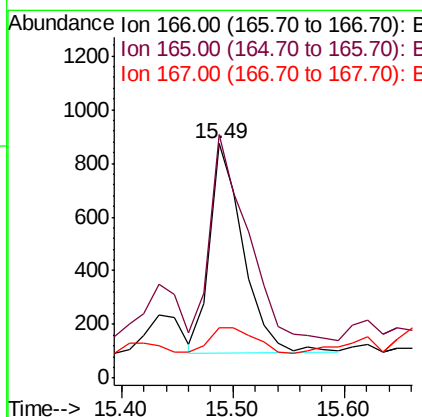
RT: 15.49 min Scan# 990

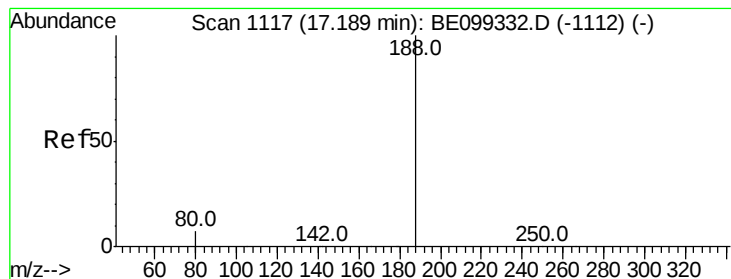
Delta R.T. -0.00 min

Lab File: BE099359.D

Acq: 25 Apr 2019 13:48

Tgt Ion:	166	Resp:	1626
Ion Ratio	Lower	Upper	
166	100		
165	109.0	79.7	119.5
167	16.7	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: BE099359.D

Acq: 25 Apr 2019 13:48

Instrument :

BNA_E

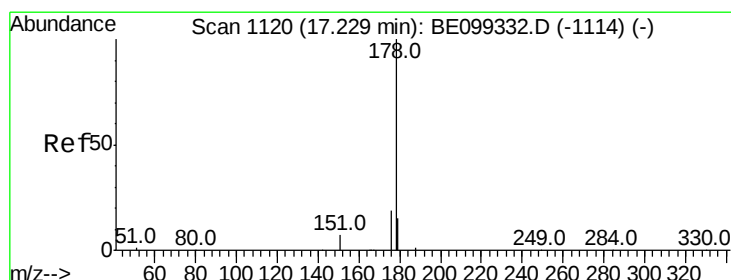
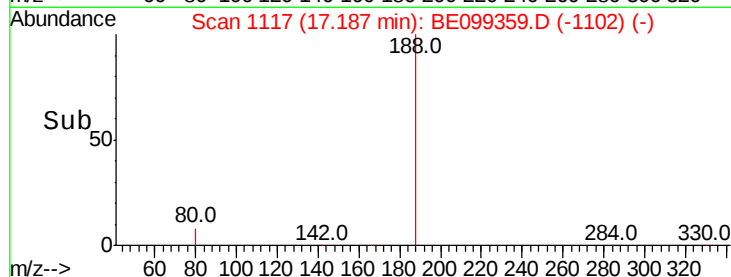
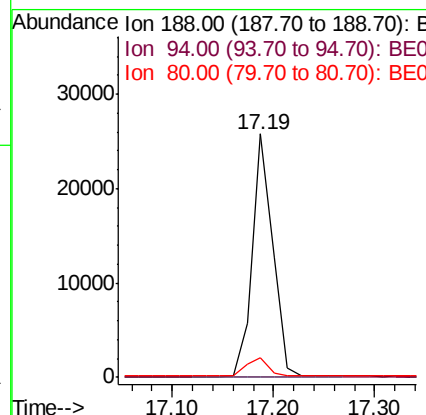
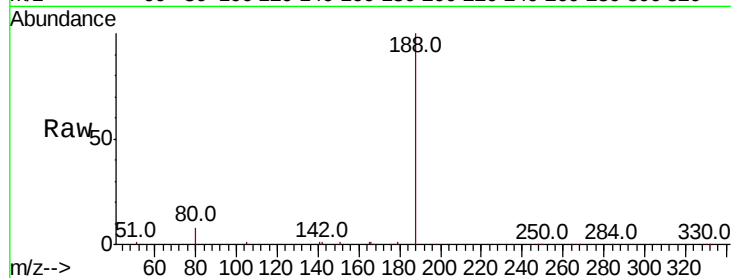
ClientSampleId :

EXT-025-SW031-042219

Tot Ion:	188	Resp:	36370
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.2	6.2	9.4

Manual Integrations
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#23

Phenanthrene

Concen: 0.521 ng

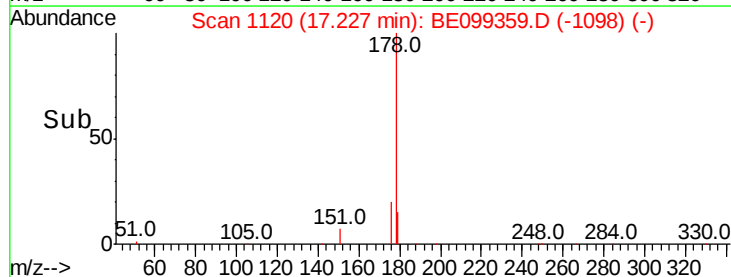
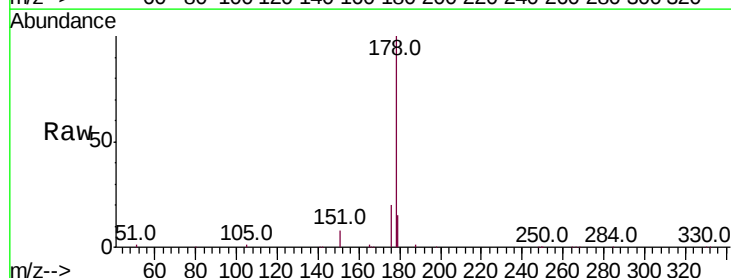
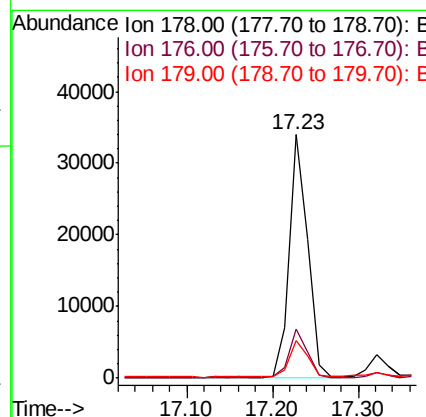
RT: 17.23 min Scan# 1120

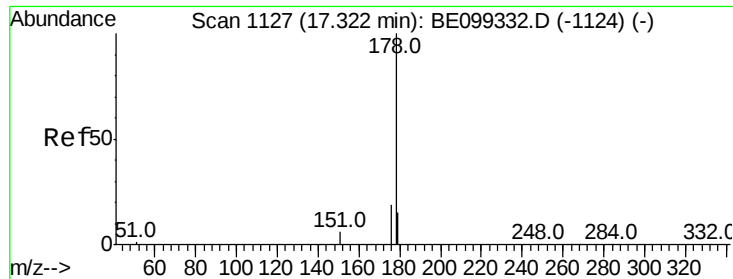
Delta R.T. -0.00 min

Lab File: BE099359.D

Acq: 25 Apr 2019 13:48

Tgt Ion:	178	Resp:	50205
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.3	22.9
179	15.1	12.4	18.6





#24

Anthracene

Concen: 0.053 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099359.D

Acq: 25 Apr 2019 13:48

Instrument :

BNA_E

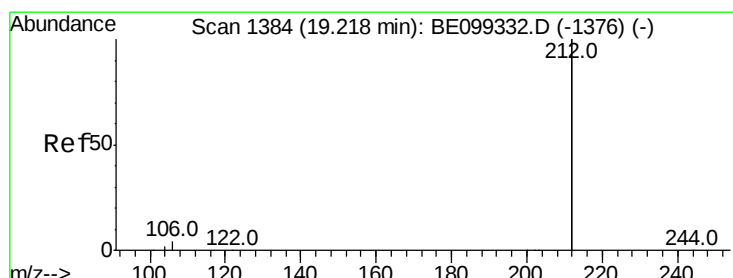
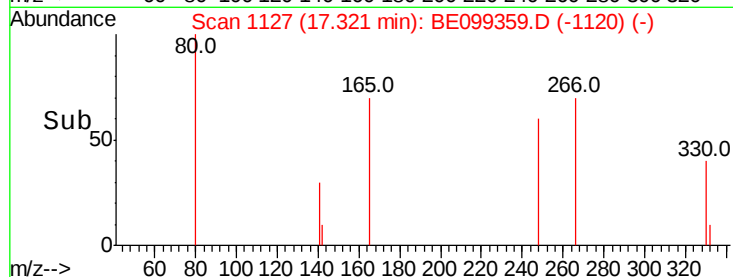
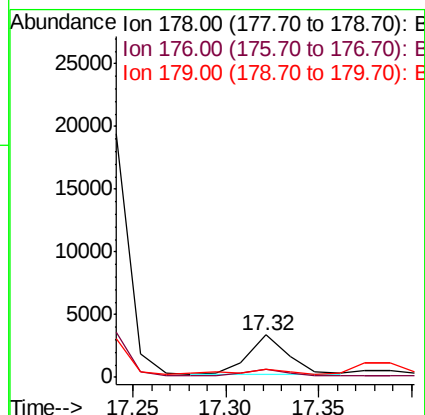
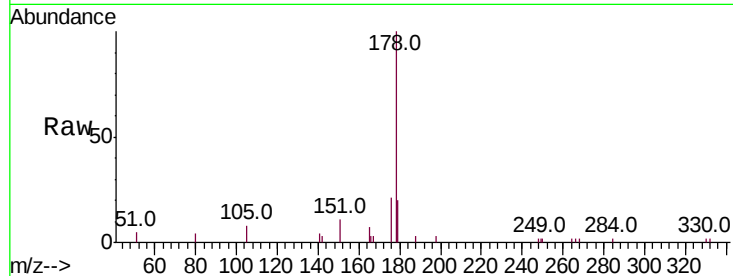
ClientSampleId :

EXT-025-SW031-042219

Tot Ion:	178	Resp:	4536
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.1	22.7
179	21.0	11.9	17.9#

Manual Integrations
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Sohil
4/29/2019 2:29:33 AM



#25

Fluoranthene-d10

Concen: 0.270 ng

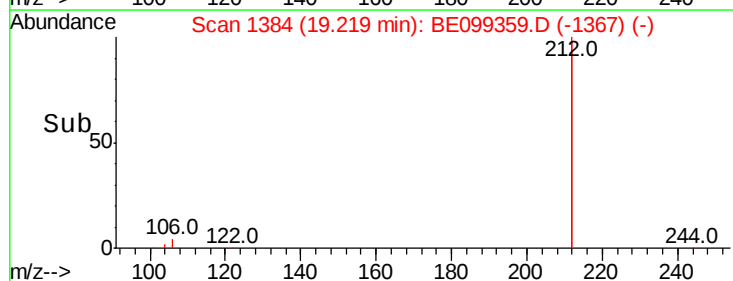
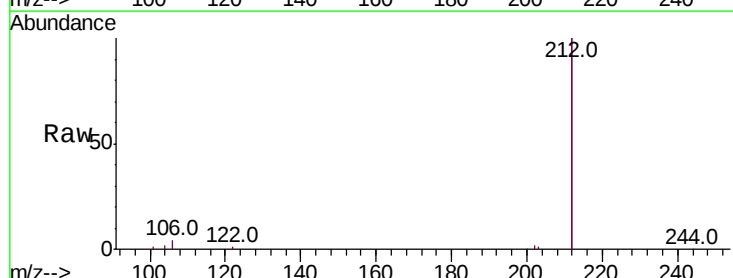
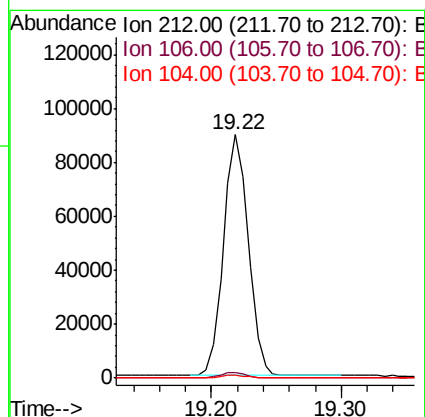
RT: 19.22 min Scan# 1384

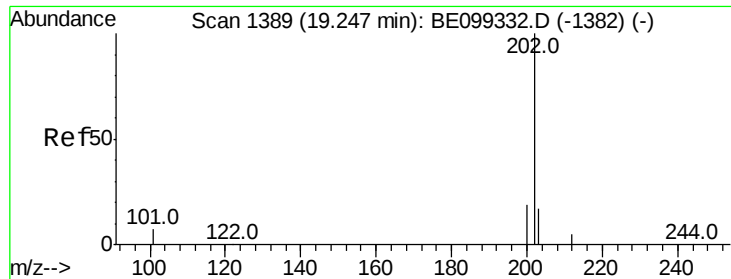
Delta R.T. 0.00 min

Lab File: BE099359.D

Acq: 25 Apr 2019 13:48

Tgt Ion:	212	Resp:	118177
Ion Ratio	Lower	Upper	
212	100		
106	2.1	1.8	2.6
104	1.2	1.0	1.4





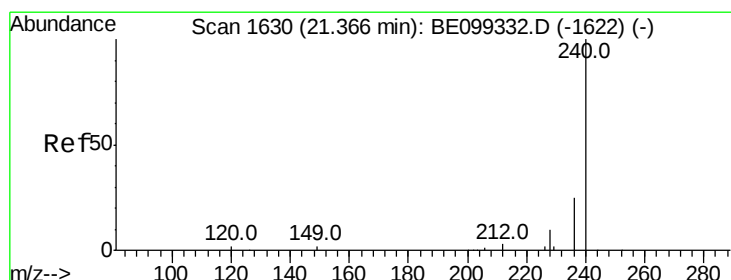
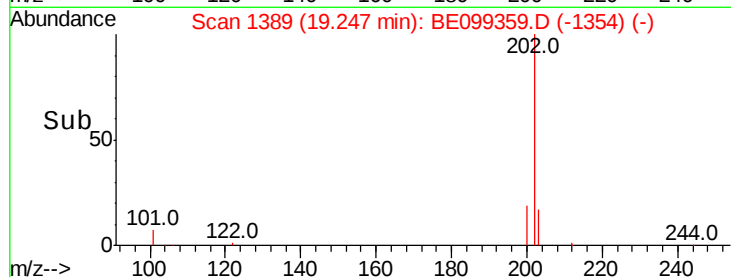
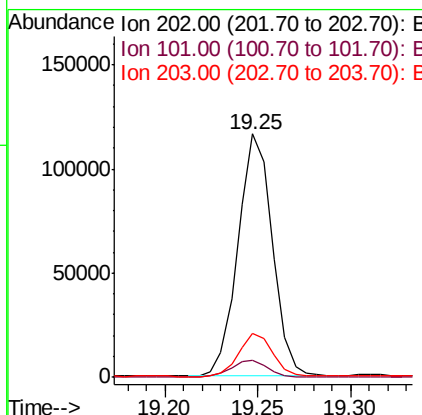
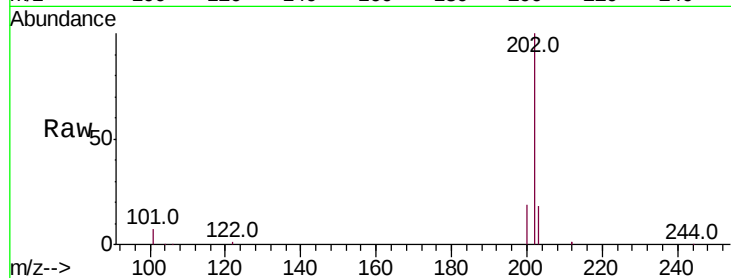
#26
 Fluoranthene
 Concen: 1.164 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: BE099359.D
 Acq: 25 Apr 2019 13:48

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW031-042219

Tot Ion	Ratio	Resp	Lower	Upper
202	100	150006		
101	7.2		6.4	9.6
203	17.6		13.5	20.3

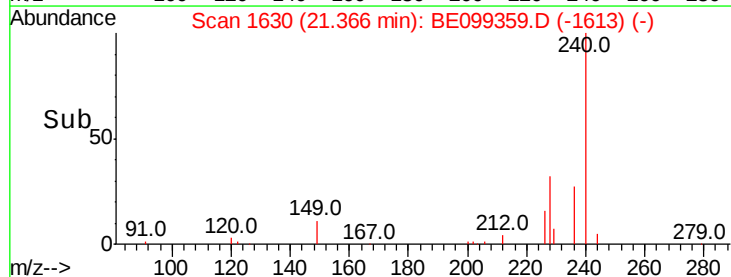
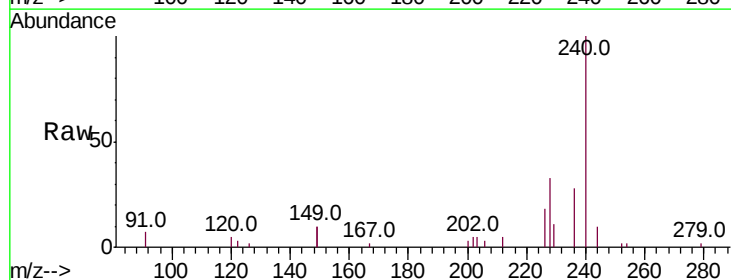
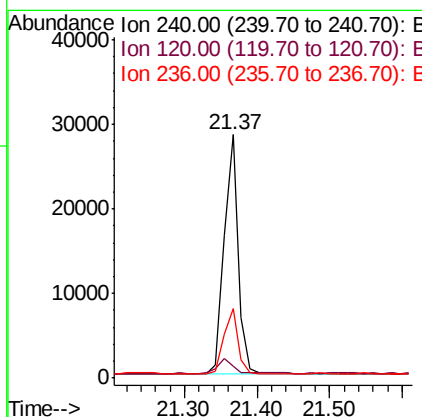
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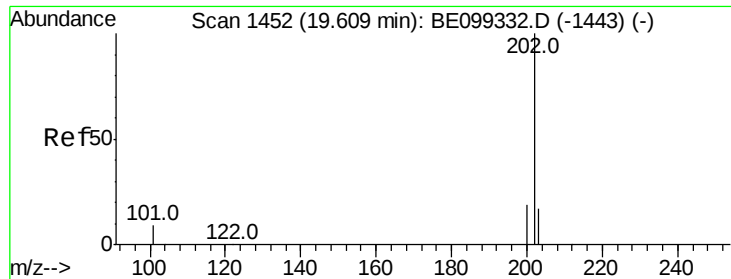
Sohil
 4/29/2019 2:29:33 AM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099359.D
 Acq: 25 Apr 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	39350		
120	4.6		2.2	3.2#
236	28.4		20.2	30.4





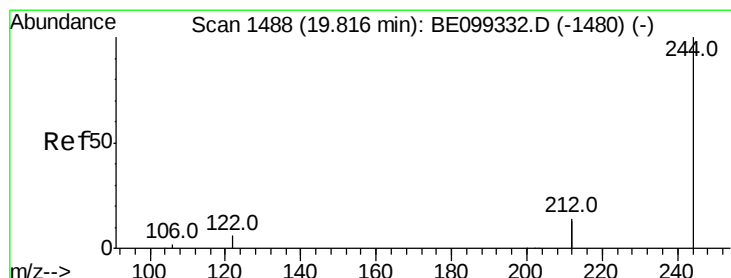
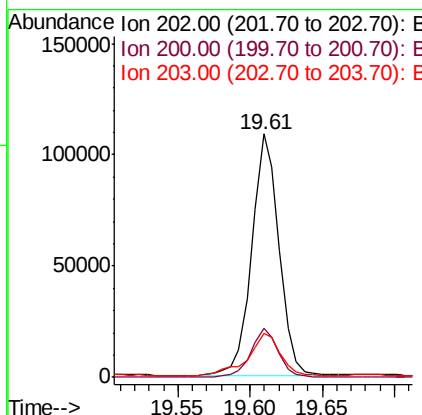
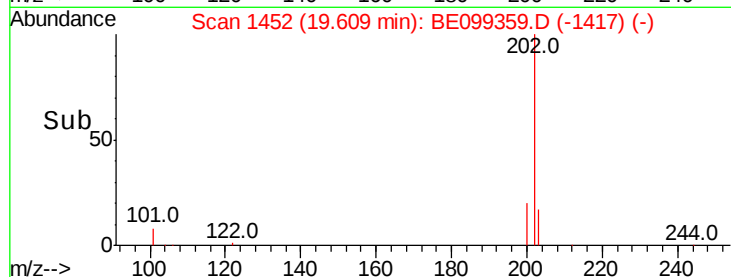
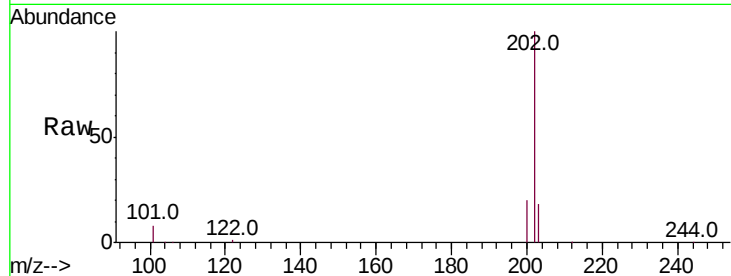
#28
Pvrene
Concen: 1.240 ng
RT: 19.61 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BE099359.D
Acq: 25 Apr 2019 13:48

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW031-042219

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.8	15.7	23.5
203	21.2	13.7	20.5

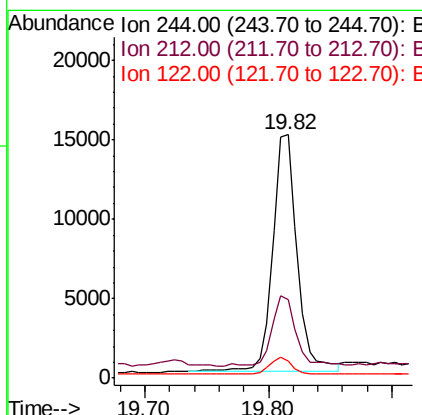
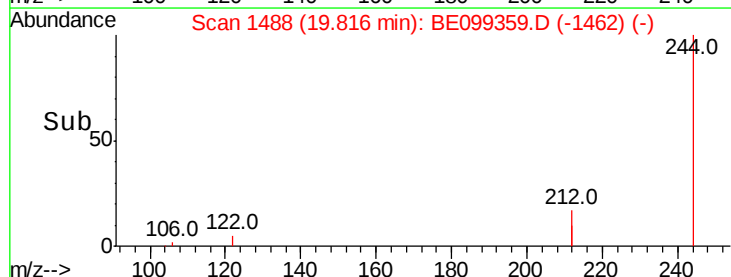
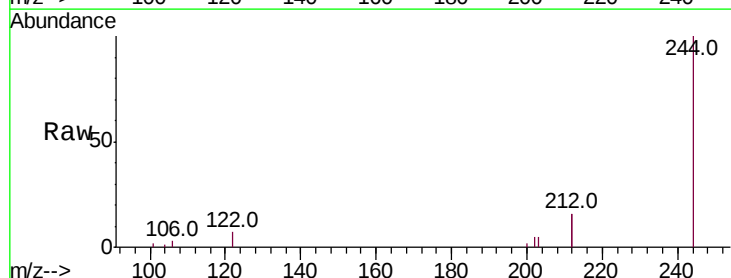
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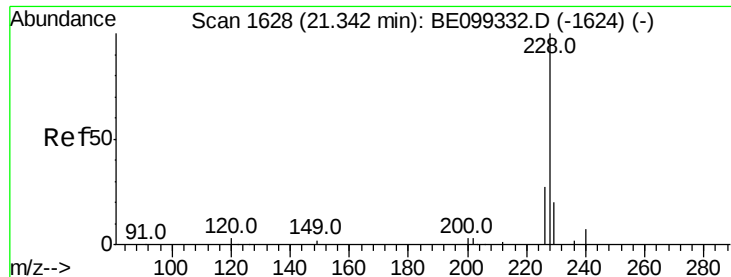
Sohil
4/29/2019 2:29:33 AM



#29
Terphenyl-d14
Concen: 0.266 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099359.D
Acq: 25 Apr 2019 13:48

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	32.5	22.6	33.8
122	6.8	4.6	7.0





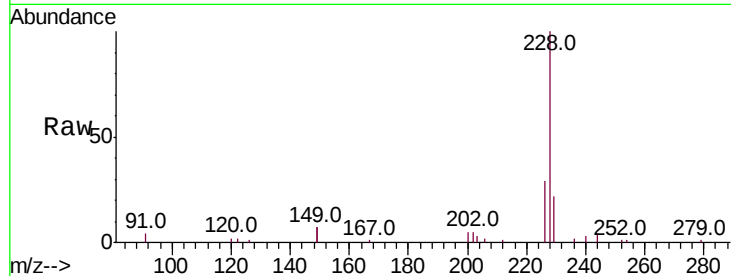
#30
Benzo(a)anthracene
Concen: 0.624 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE099359.D
Acq: 25 Apr 2019 13:48

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW031-042219

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.0	33.0
229	22.1	15.8	23.8

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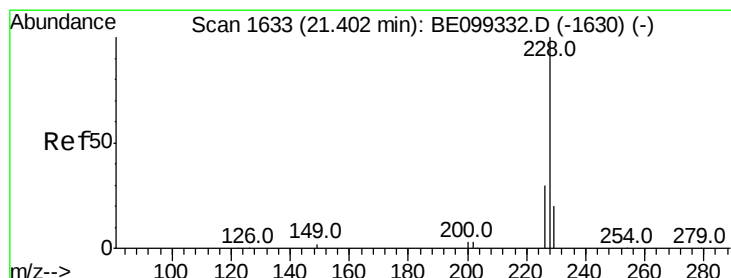
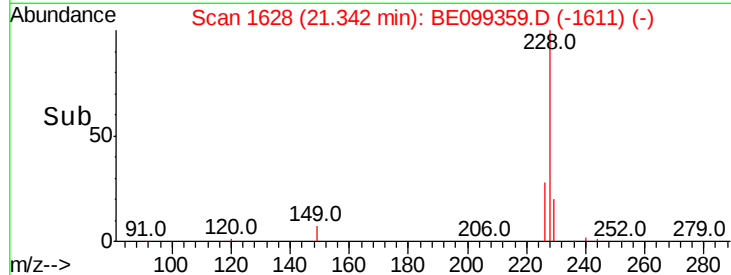
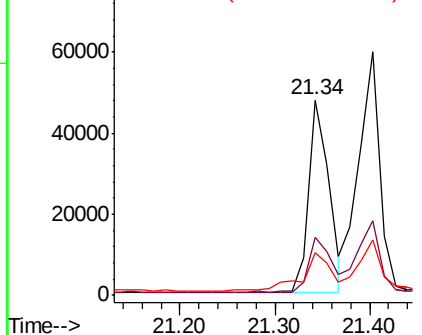


Abundance

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: 0.752 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099359.D
Acq: 25 Apr 2019 13:48

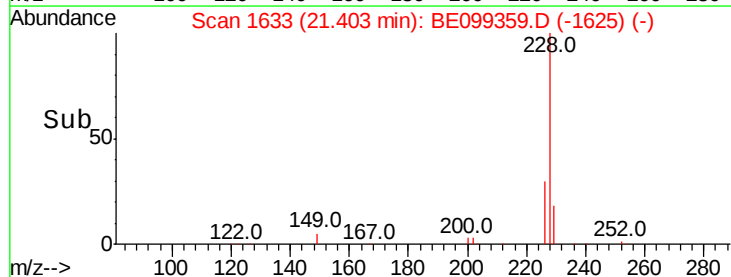
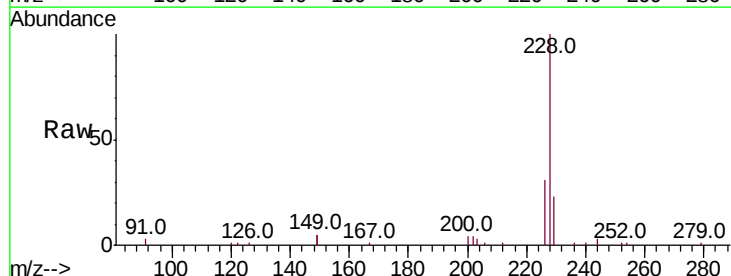
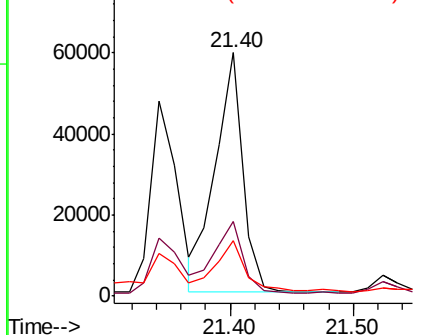
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.4	35.2
229	22.6	16.2	24.2

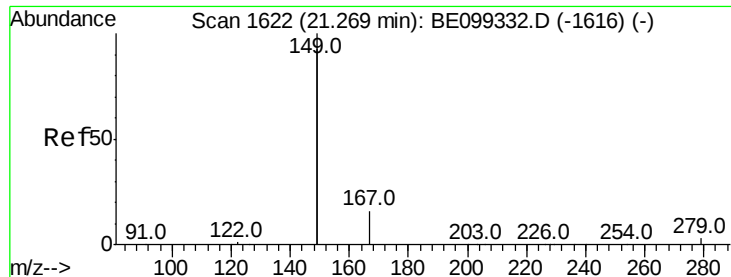
Abundance

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





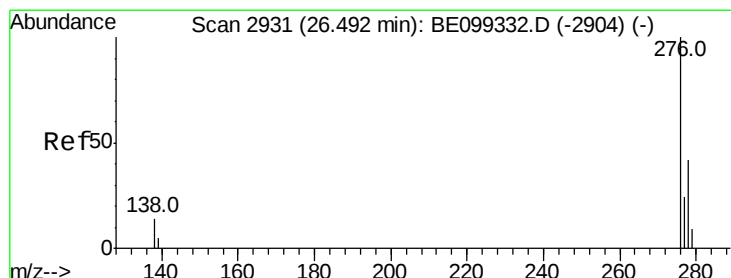
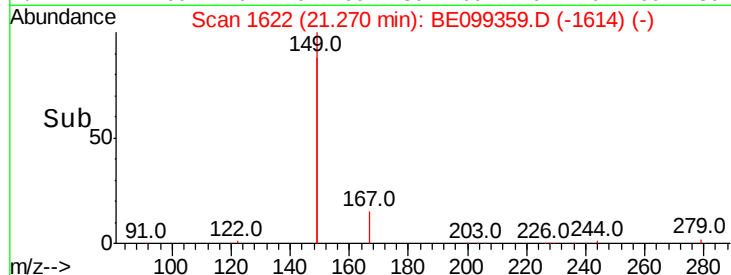
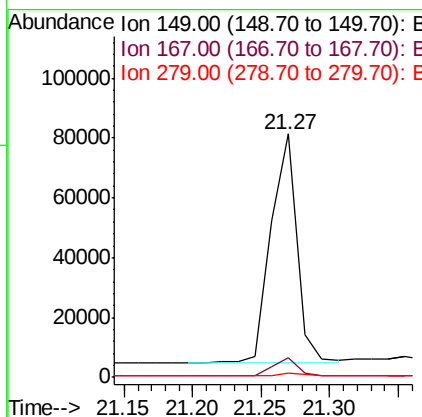
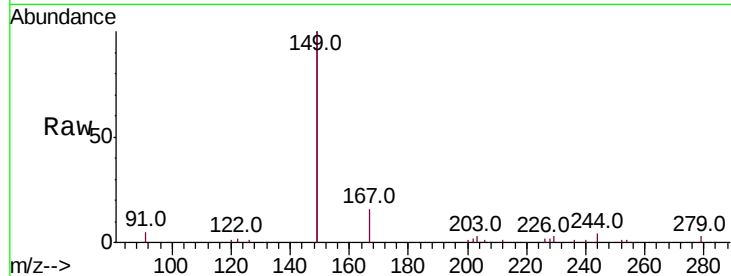
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.958 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE099359.D
 Acq: 25 Apr 2019 13:48

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW031-042219

Tot Ion:	149	Resp:	100845
Ion Ratio	Lower	Upper	
149	100		
167	7.2	6.0	9.0
279	1.4	1.1	1.7

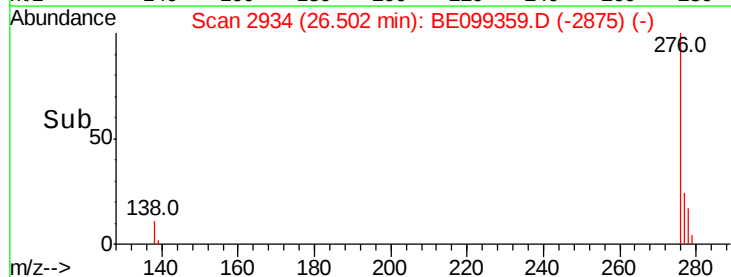
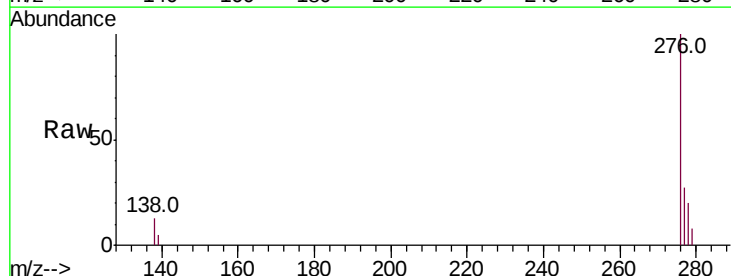
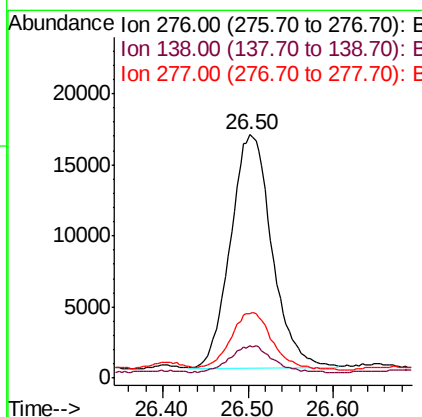
Manual Integrations
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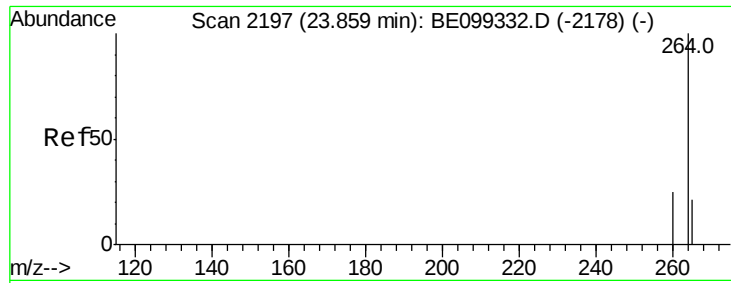
Sohil
 4/29/2019 2:29:33 AM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.455 ng
 RT: 26.50 min Scan# 2934
 Delta R.T. 0.01 min
 Lab File: BE099359.D
 Acq: 25 Apr 2019 13:48

Tgt Ion:	276	Resp:	55370
Ion Ratio	Lower	Upper	
276	100		
138	12.3	12.7	19.1#
277	24.7	19.6	29.4





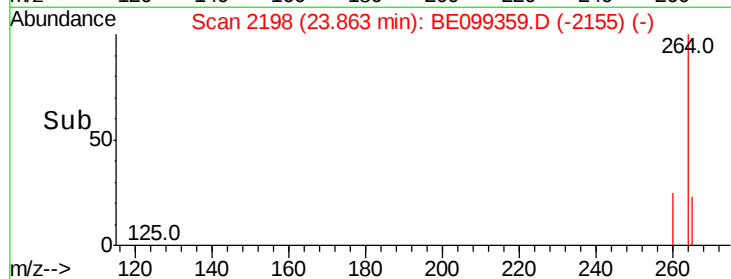
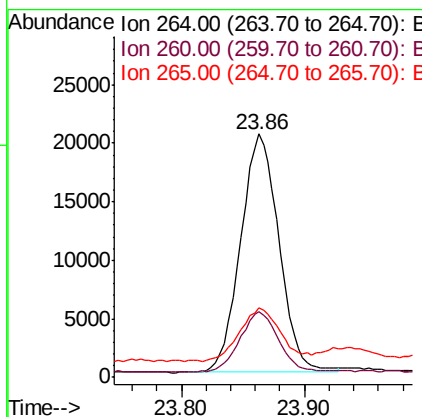
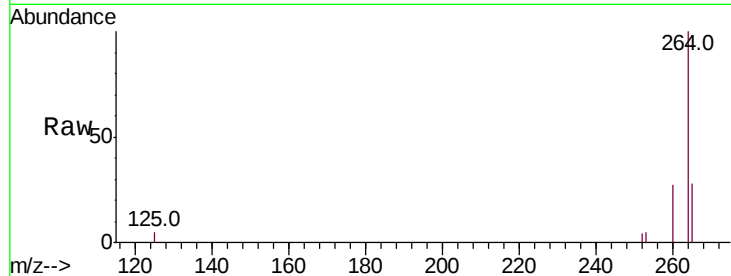
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BE099359.D
Acq: 25 Apr 2019 13:48

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW031-042219

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.9	20.1	30.1
265	28.4	19.9	29.9

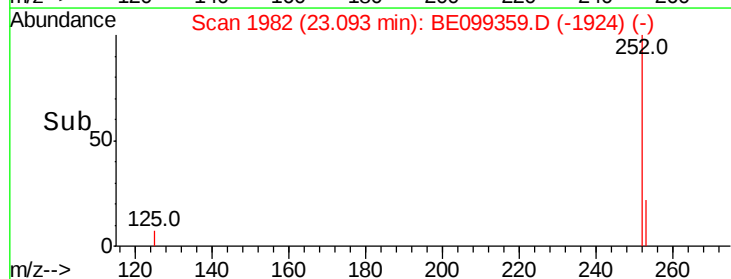
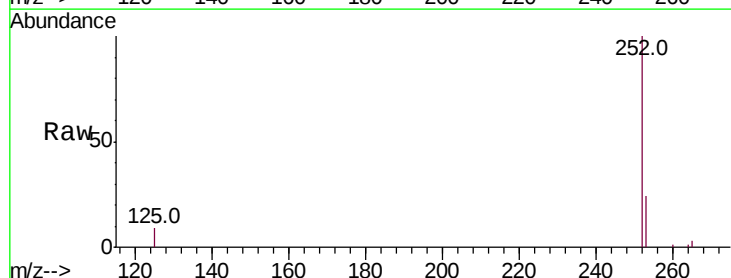
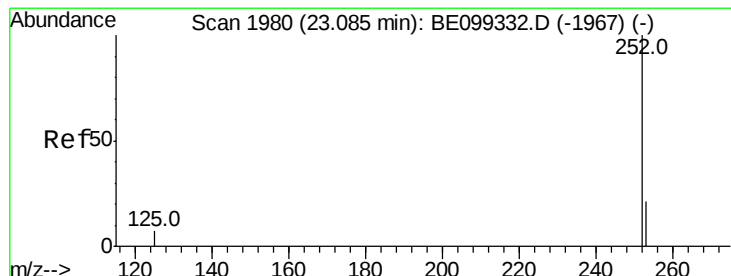
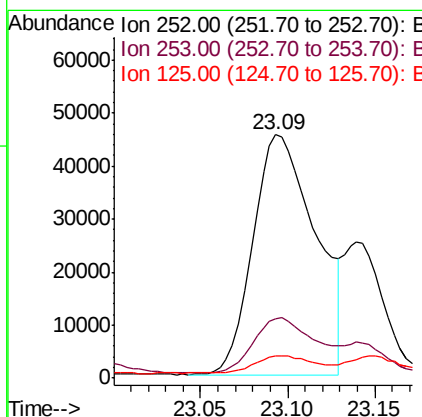
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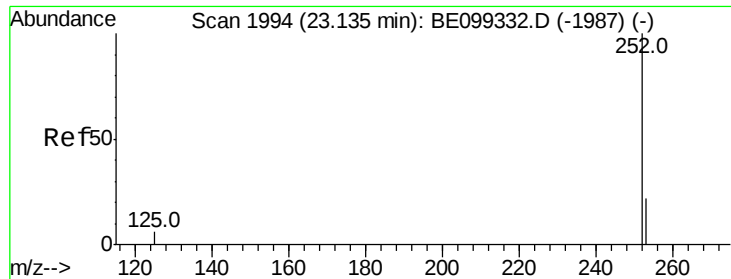
Sohil
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#35
Benzo(b)fluoranthene
Concen: 0.837 ng
RT: 23.09 min Scan# 1982
Delta R.T. 0.01 min
Lab File: BE099359.D
Acq: 25 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.3	25.9
125	9.0	5.8	8.6





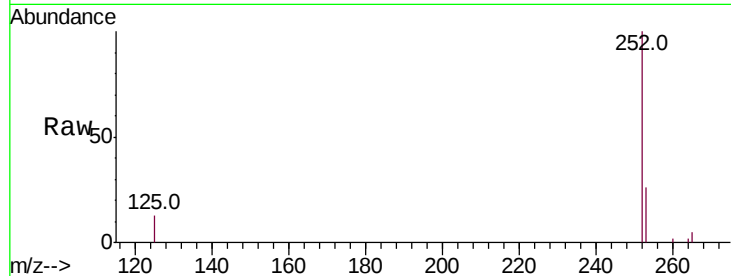
#36
Benzo(k)fluoranthene
Concen: 0.287 ng m
RT: 23.14 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BE099359.D
Acq: 25 Apr 2019 13:48

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW031-042219

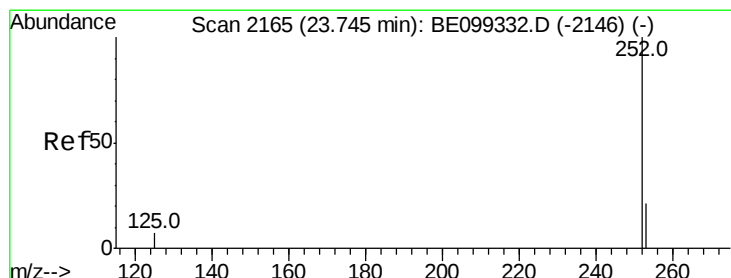
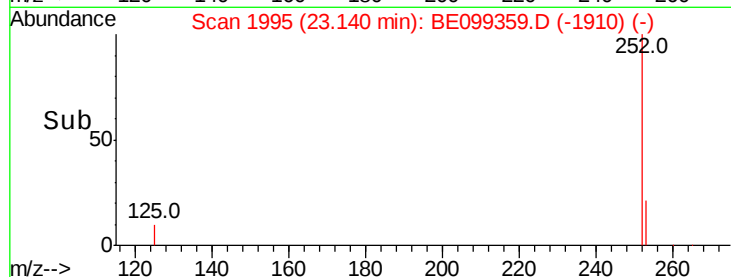
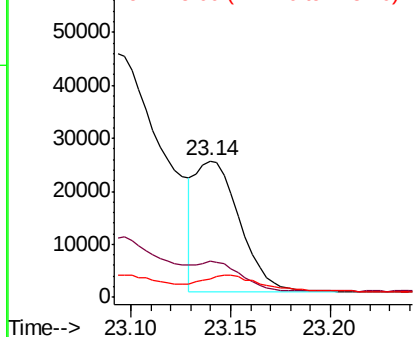
Tot Ion:252 Resp: 38626
Ion Ratio Lower Upper
252 100
253 26.2 18.4 27.6
125 13.5 5.4 8.0#

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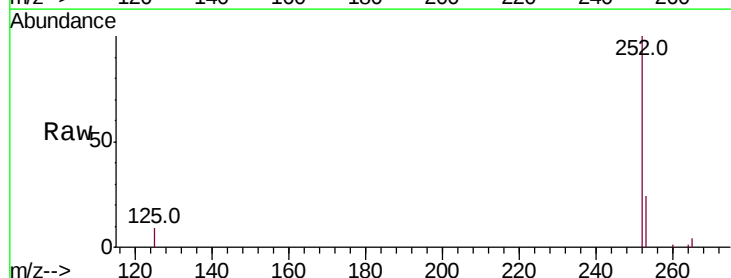


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

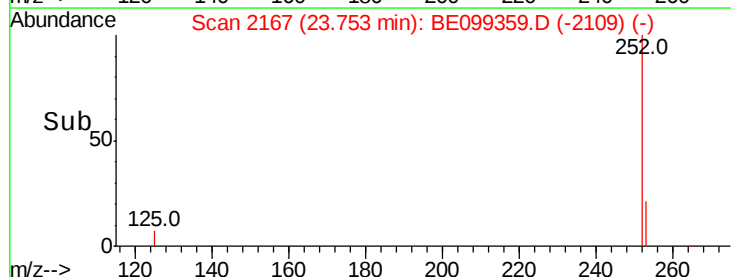
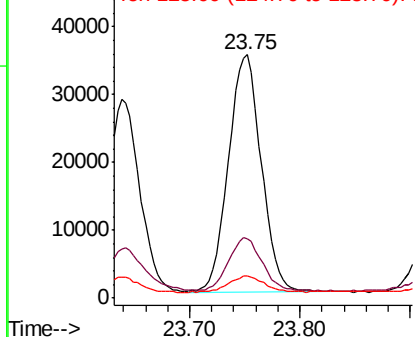


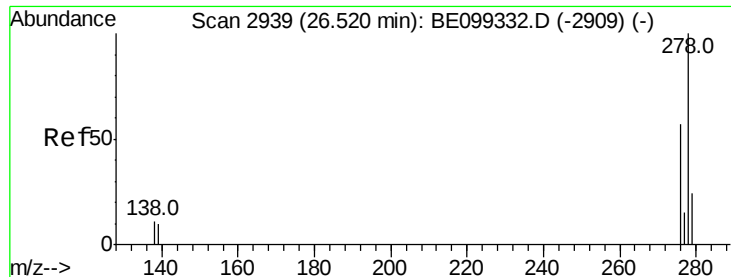
#37
Benzo(a)pyrene
Concen: 0.603 ng
RT: 23.75 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BE099359.D
Acq: 25 Apr 2019 13:48

Tgt Ion:252 Resp: 72999
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 9.1 6.5 9.7



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





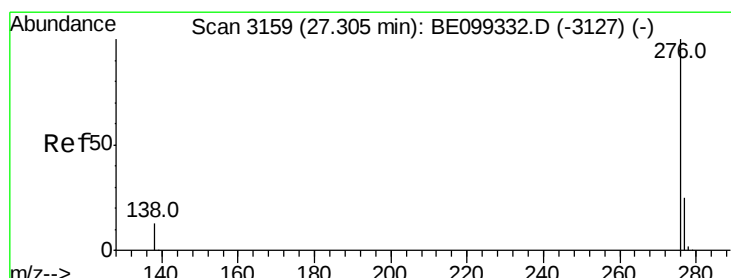
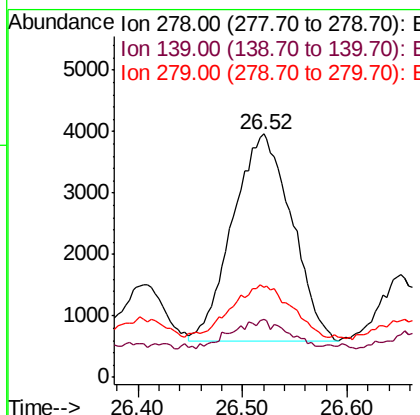
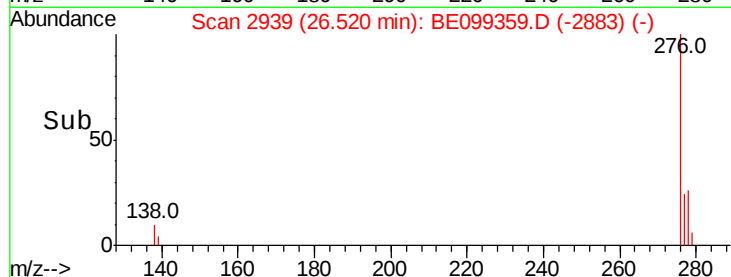
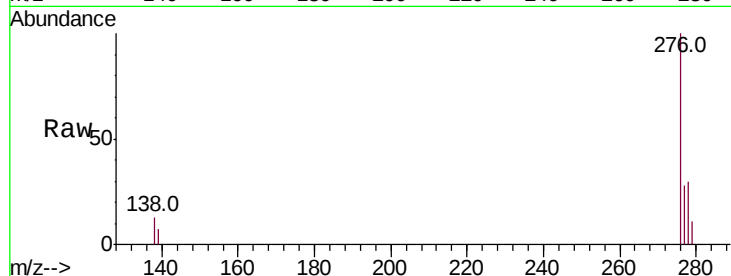
#38
Dibenzo(a,h)anthracene
Concen: 0.106 ng
RT: 26.52 min Scan# 2939
Delta R.T. -0.00 min
Lab File: BE099359.D
Acq: 25 Apr 2019 13:48

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW031-042219

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.7	8.5	12.7#
279	37.0	19.8	29.8#

Manual Integrations
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4/29/2019 2:29:33 AM



#39
Benzo(g,h,i)perylene
Concen: 0.454 ng
RT: 27.32 min Scan# 3164
Delta R.T. 0.02 min
Lab File: BE099359.D
Acq: 25 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	20.0	30.0
138	13.1	11.1	16.7

