

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099441.D
 Acq On : 1 May 2019 00:37
 Operator : JU/SJ
 Sample : K2568-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW043-042219

Manual Integrations
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Quant Time: May 01 02:31:06 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 29 18:36:43 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	2439	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	9216	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6955	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	23000	0.40	ng	0.00
27) Chrysene-d12	21.37	240	31097	0.40	ng	0.00
34) Perylene-d12	23.86	264	35021	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2093	0.31	ng	0.00
5) Phenol-d6	6.97	99	3123	0.35	ng	0.00
8) Nitrobenzene-d5	8.97	82	2549	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	4448	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1391	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	6591	0.25	ng	-0.01
25) Fluoranthene-d10	19.22	212	75772	0.24	ng	0.00
29) Terphenyl-d14	19.81	244	16110	0.28	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	4175	0.042	ng	# 96
12) 2-Methylnaphthalene	12.27	142	986	0.056	ng	# 93
16) Acenaphthylene	14.18	152	4651	0.137	ng	96
17) Acenaphthene	14.51	154	1540	0.079	ng	98
18) Fluorene	15.49	166	3321	0.116	ng	# 90
23) Phenanthrene	17.23	178	70468	1.187	ng	99
24) Anthracene	17.32	178	9001	0.159	ng	# 90
26) Fluoranthene	19.25	202	131787	1.482	ng	100
28) Pyrene	19.61	202	129982	1.604	ng	# 96
30) Benzo(a)anthracene	21.34	228	73742	0.744	ng	96
31) Chrysene	21.40	228	80575	0.831	ng	97
32) Bis(2-ethylhexyl)phthalate	21.26	149	47573	0.269	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.50	276	39140	0.342	ng	97
35) Benzo(b)fluoranthene	23.09	252	83068	0.823	ng	# 96
36) Benzo(k)fluoranthene	23.14	252	31560m	0.324	ng	
37) Benzo(a)pyrene	23.75	252	57074	0.598	ng	98
38) Dibenzo(a,h)anthracene	26.52	278	10773	0.110	ng	# 79
39) Benzo(g,h,i)perylene	27.32	276	38160	0.390	ng	98

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

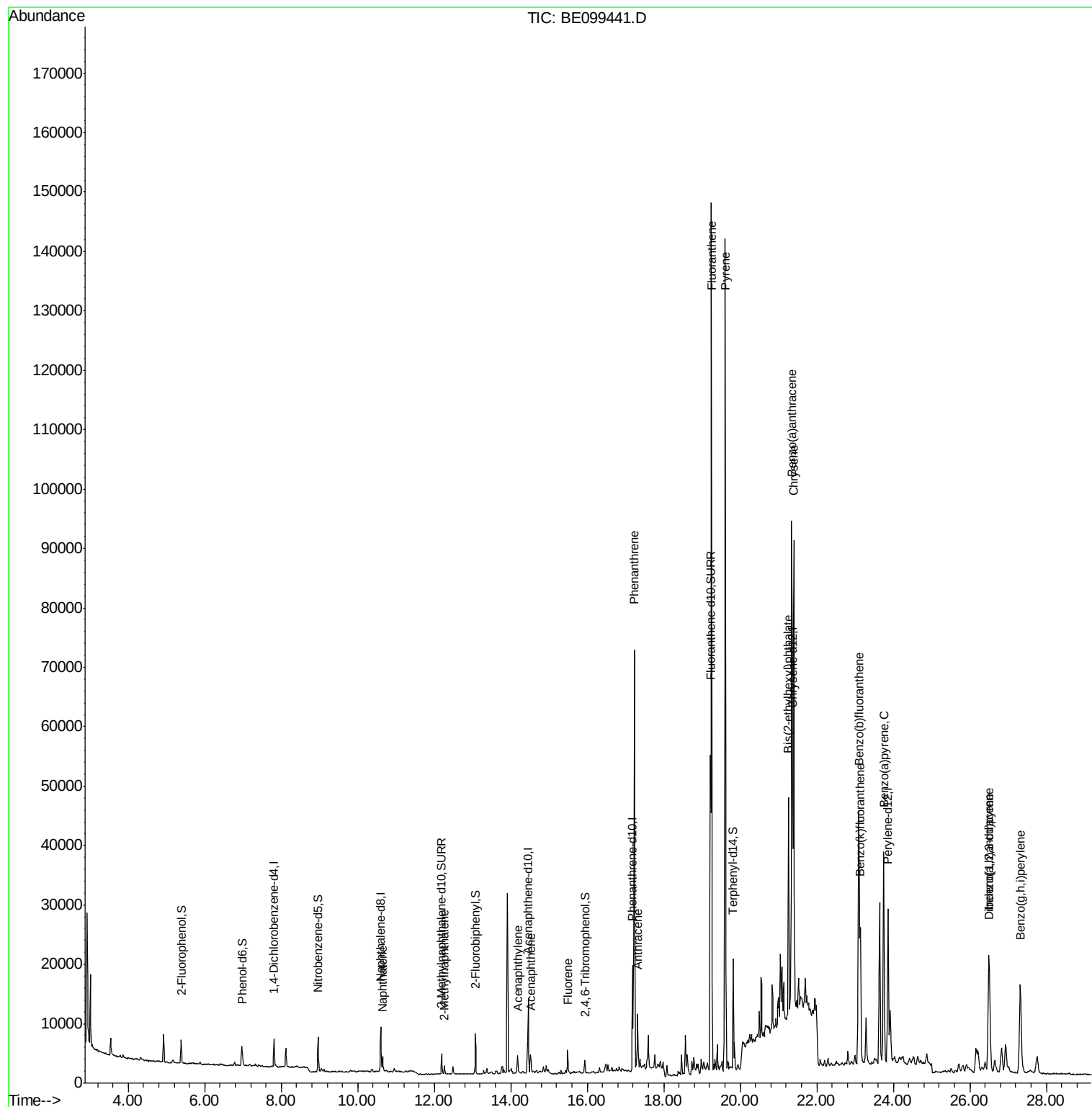
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
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ALS Vial : 24 Sample Multiplier: 1

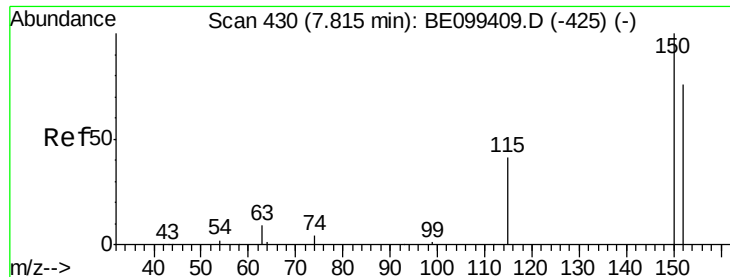
Instrument :
BNA_E
ClientSampleId :
EXT-026-SW043-042219

Quant Time: May 01 02:31:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099441.D

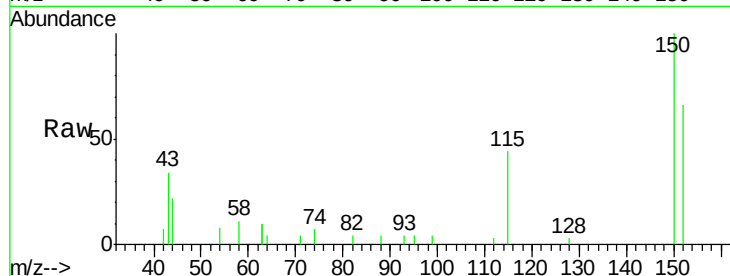
Acq: 1 May 2019 00:37

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW043-042219



Tgt Ion:152 Resp: 2439

Ion Ratio Lower Upper

152 100

150 151.0 104.8 157.2

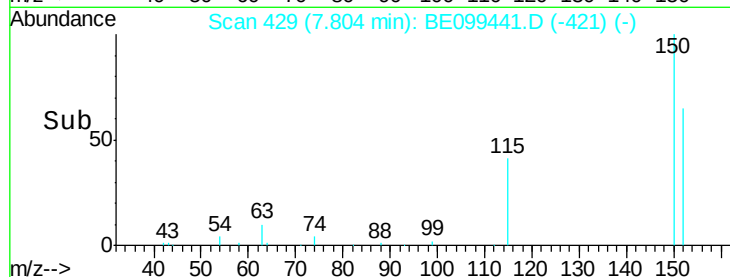
115 66.8 46.6 69.8

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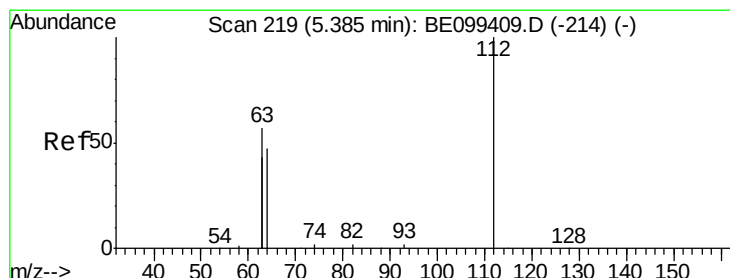
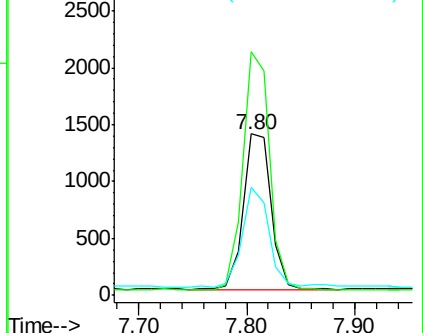
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.310 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099441.D

Acq: 1 May 2019 00:37

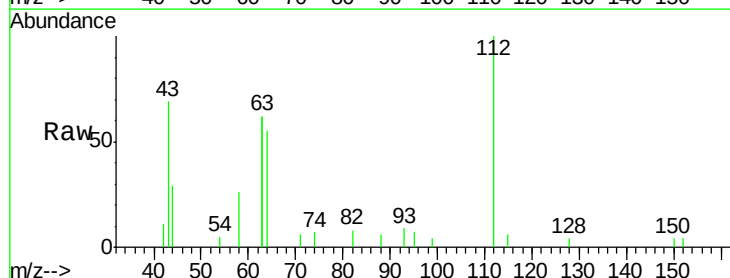
Tgt Ion:112 Resp: 2093

Ion Ratio Lower Upper

112 100

64 57.2 47.4 71.0

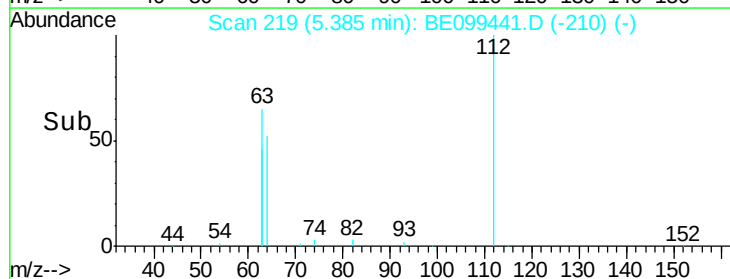
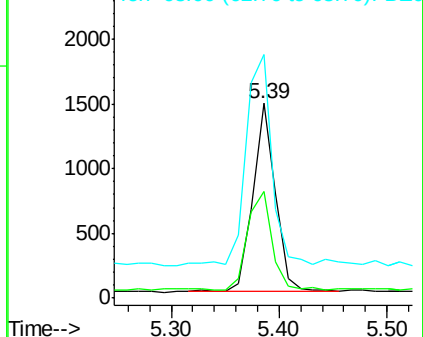
63 130.3 104.3 156.5

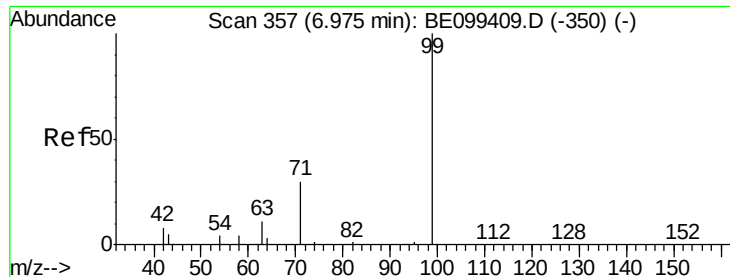


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.348 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099441.D

Acq: 1 May 2019 00:37

Instrument :

BNA_E

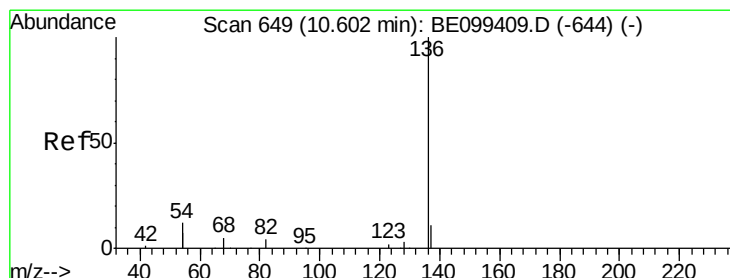
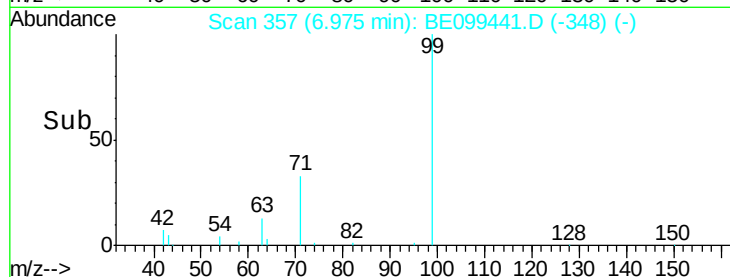
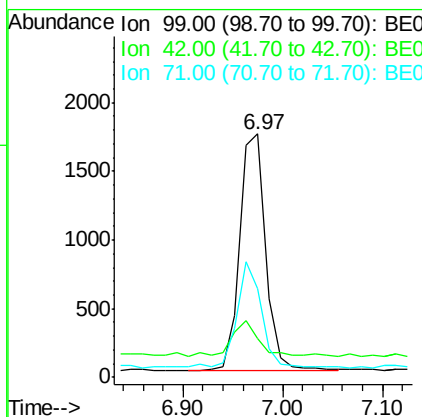
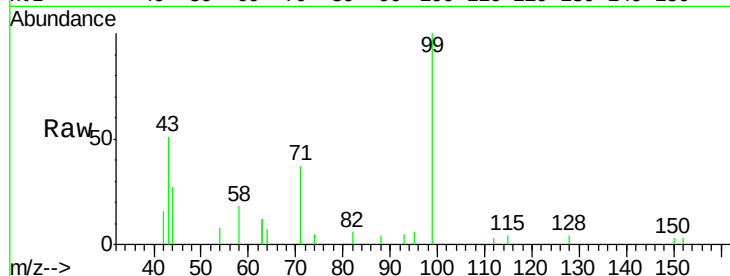
ClientSampleId :

EXT-026-SW043-042219

Tgt Ion:	99	Resp:	3123
Ion	Ratio	Lower	Upper
99	100		
42	16.7	14.9	22.3
71	42.7	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

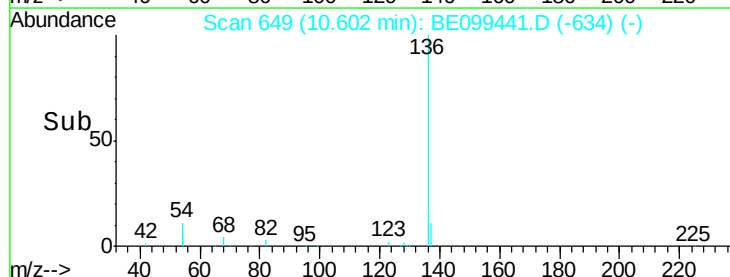
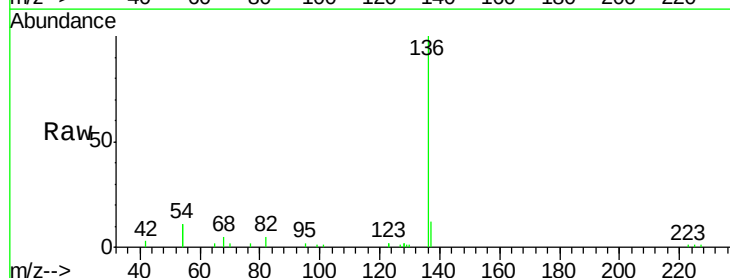
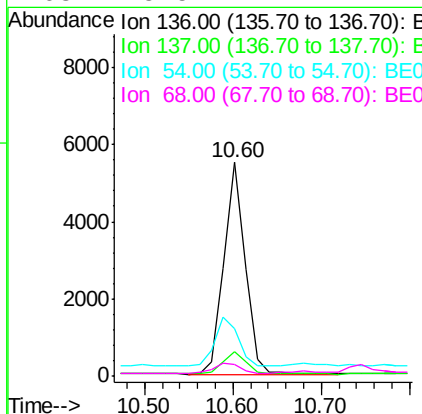
RT: 10.60 min Scan# 649

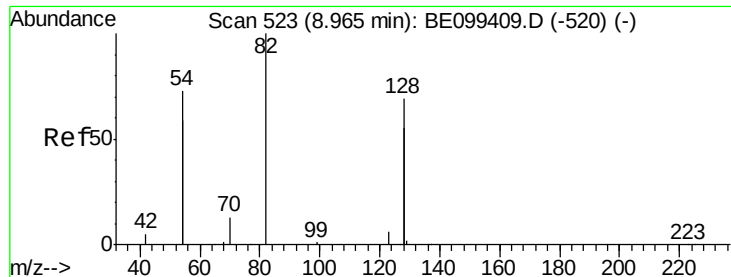
Delta R.T. 0.00 min

Lab File: BE099441.D

Acq: 1 May 2019 00:37

Tgt Ion:	136	Resp:	9216
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.8	14.8
54	22.1	18.5	27.7
68	5.5	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.295 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099441.D

Acq: 1 May 2019 00:37

Instrument :

BNA_E

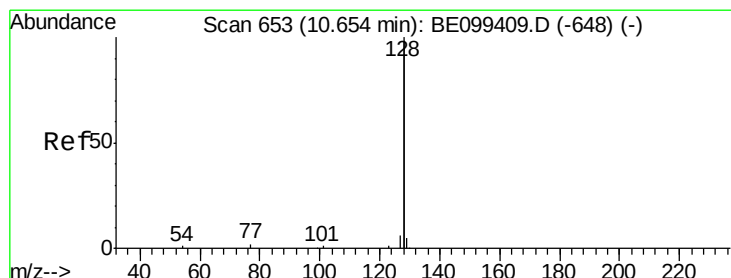
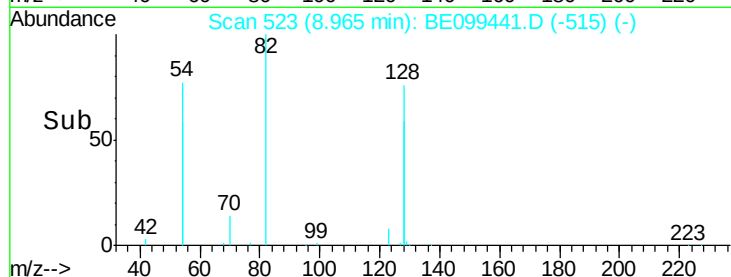
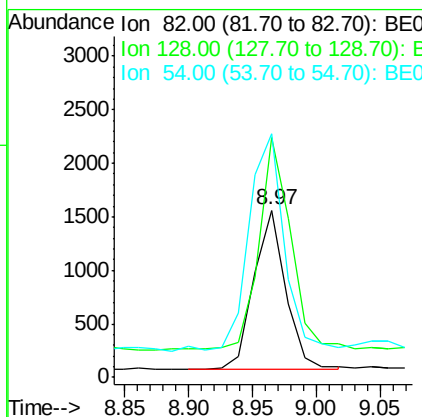
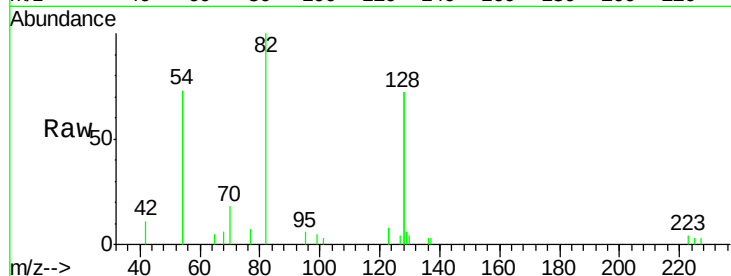
ClientSampleId :

EXT-026-SW043-042219

Tgt Ion:	82	Resp:	2549
Ion Ratio	Lower	Upper	
82	100		
128	143.7	107.0	160.4
54	145.8	113.1	169.7

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#9

Naphthalene

Concen: 0.042 ng

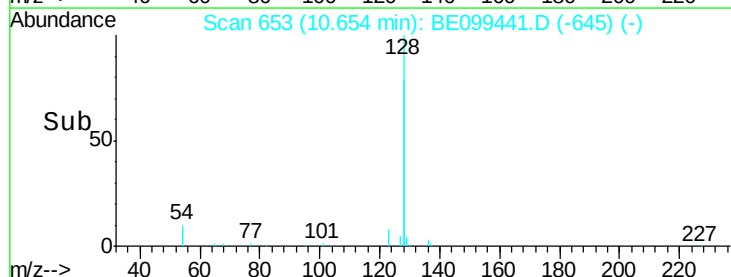
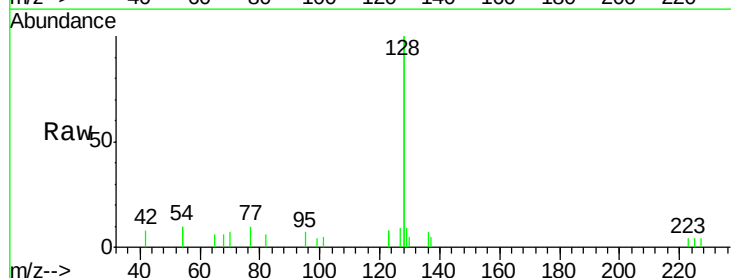
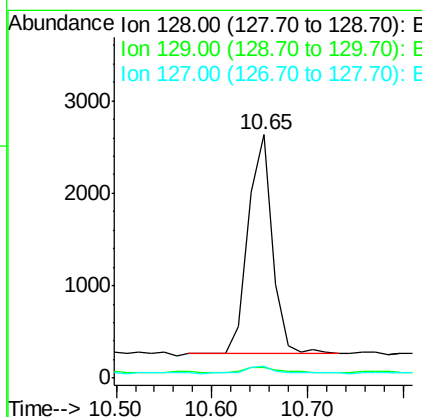
RT: 10.65 min Scan# 653

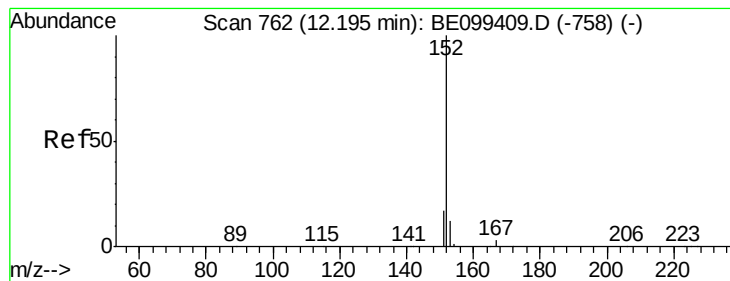
Delta R.T. 0.00 min

Lab File: BE099441.D

Acq: 1 May 2019 00:37

Tgt Ion:	128	Resp:	4175
Ion Ratio	Lower	Upper	
128	100		
129	4.4	2.4	3.6#
127	4.7	2.8	4.2#





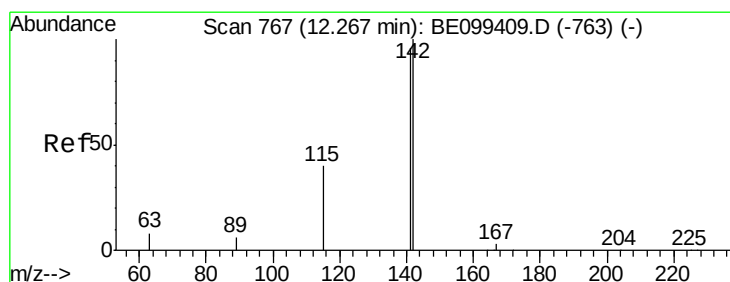
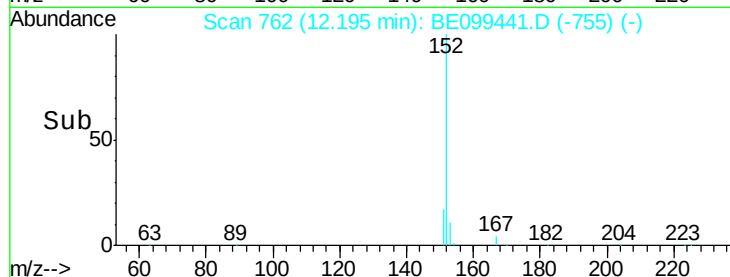
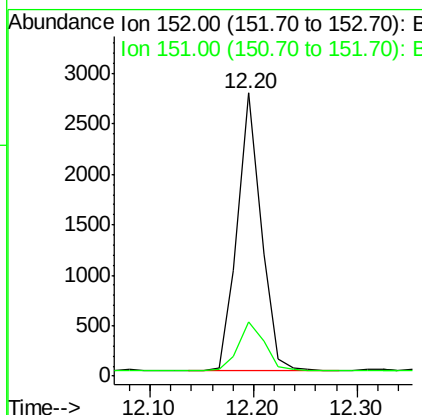
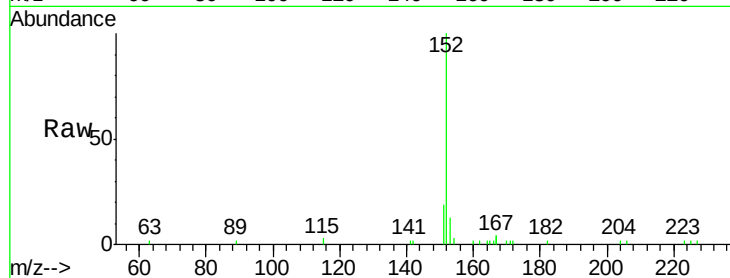
#11
 2-Methylnaphthalene-d10
 Concen: 0.268 ng
 RT: 12.20 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099441.D
 Acq: 1 May 2019 00:37

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW043-042219

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3

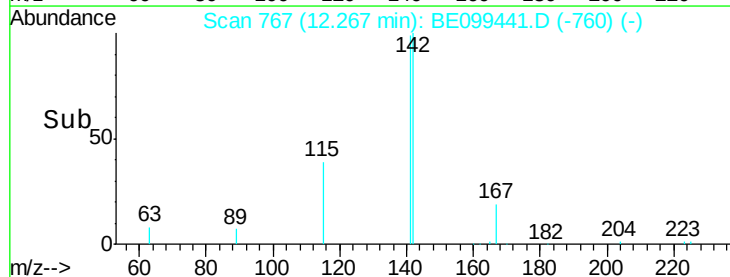
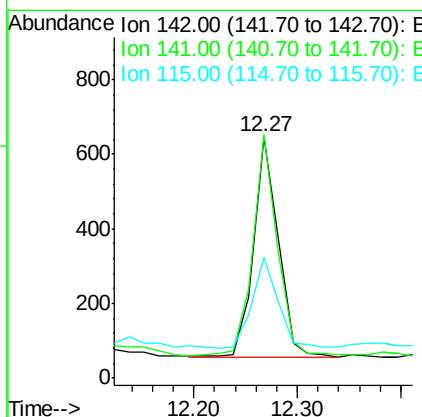
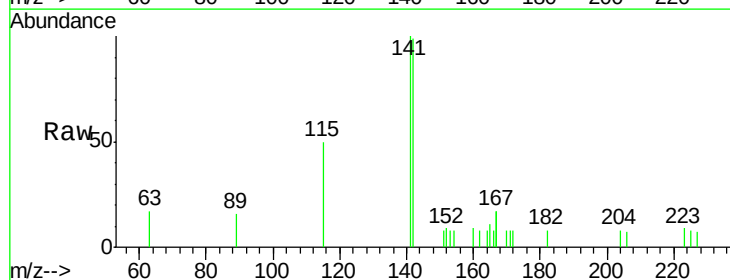
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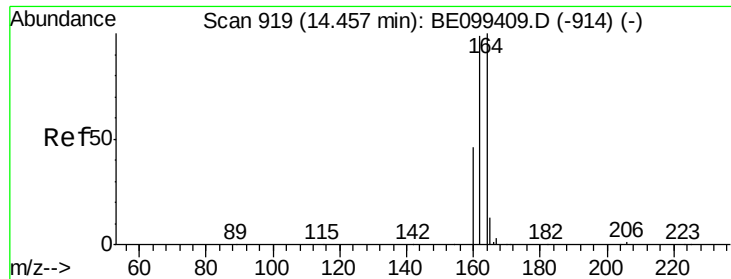
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#12
 2-Methylnaphthalene
 Concen: 0.056 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099441.D
 Acq: 1 May 2019 00:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	100.9	77.0	115.4
115	50.1	33.4	50.0#





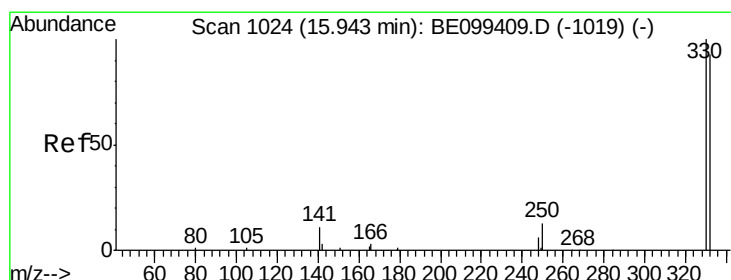
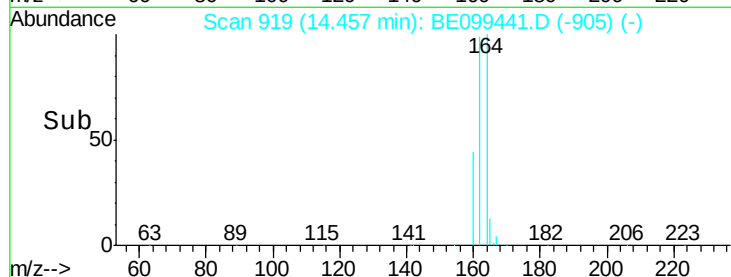
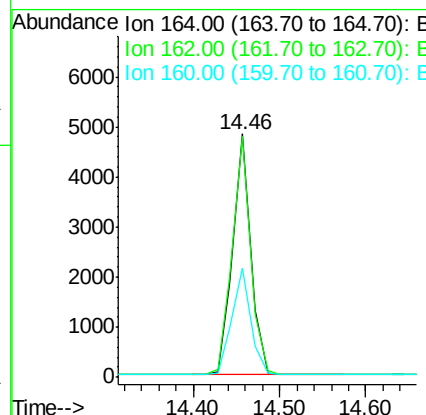
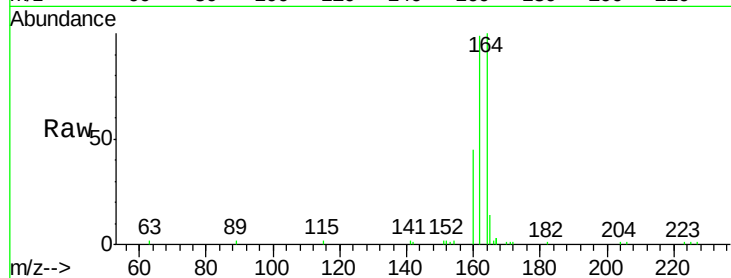
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099441.D
 Acq: 1 May 2019 00:37

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW043-042219

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	6955		
162	98.9		79.0	118.4
160	44.9		37.0	55.4

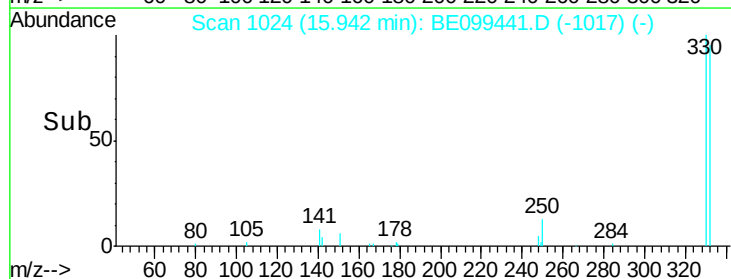
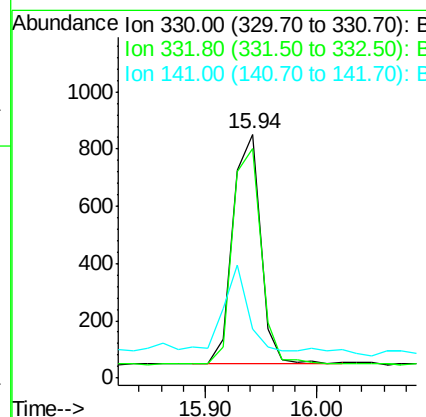
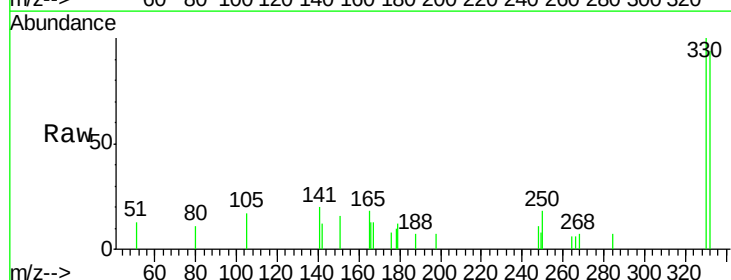
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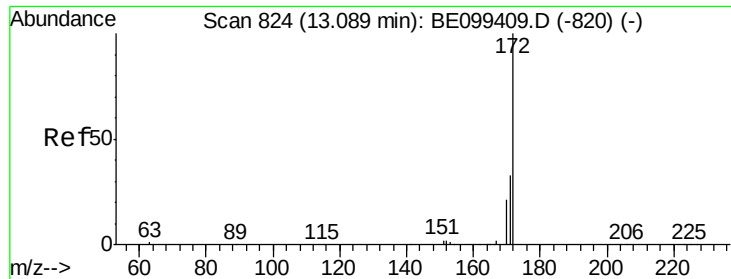
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#14
 2,4,6-Tribromophenol
 Concen: 0.318 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099441.D
 Acq: 1 May 2019 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	1391		
332	98.5		71.5	107.3
141	32.1		24.0	36.0





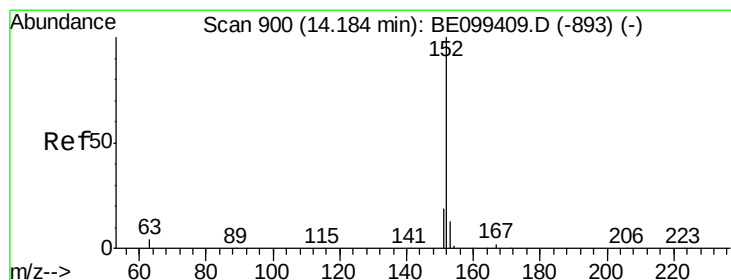
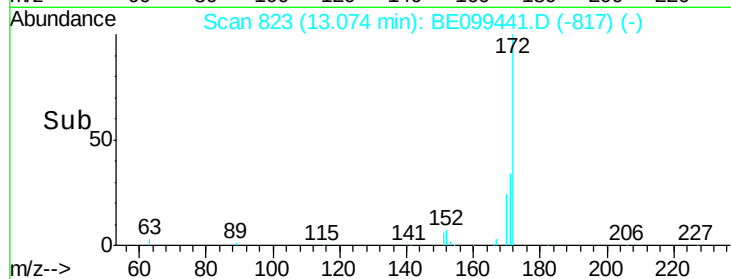
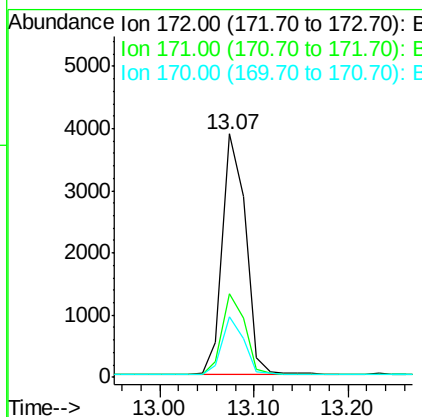
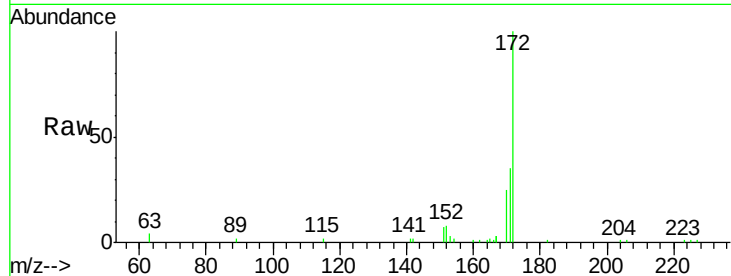
#15
2-Fluorobiphenyl
Concen: 0.248 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099441.D
Acq: 1 May 2019 00:37

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW043-042219

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	26.6	39.8
170	25.0	17.0	25.6

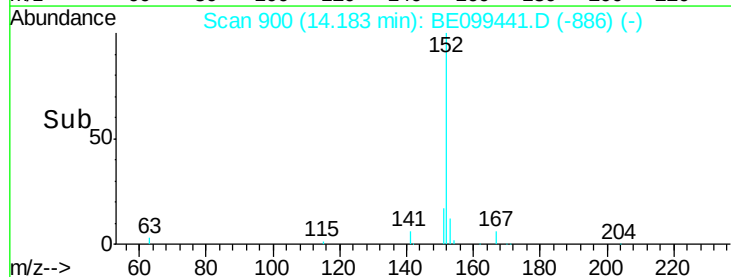
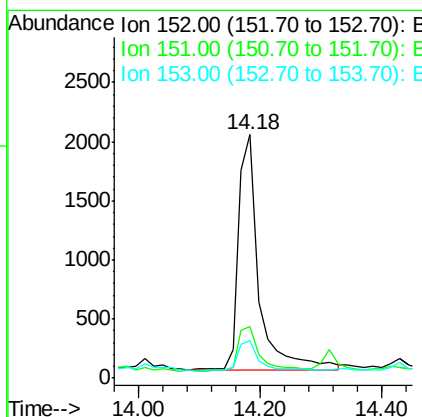
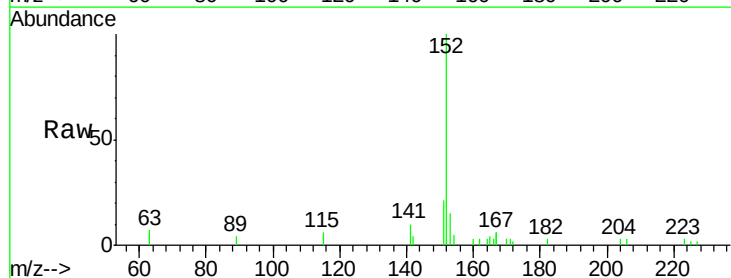
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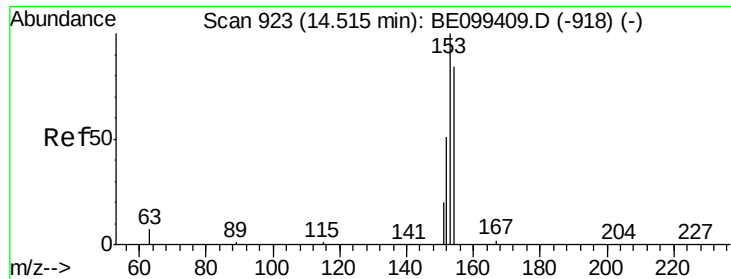
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#16
Acenaphthylene
Concen: 0.137 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099441.D
Acq: 1 May 2019 00:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.4	23.2
153	13.5	9.8	14.6





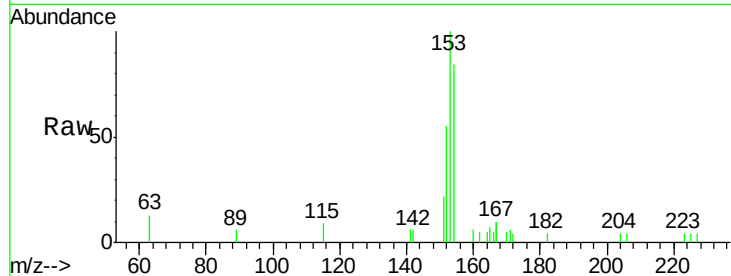
#17
Acenaphthene
Concen: 0.079 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099441.D
Acq: 1 May 2019 00:37

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW043-042219

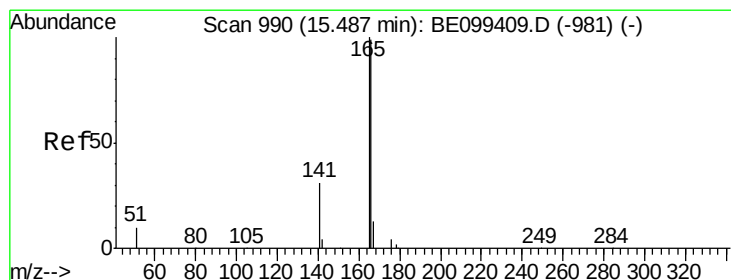
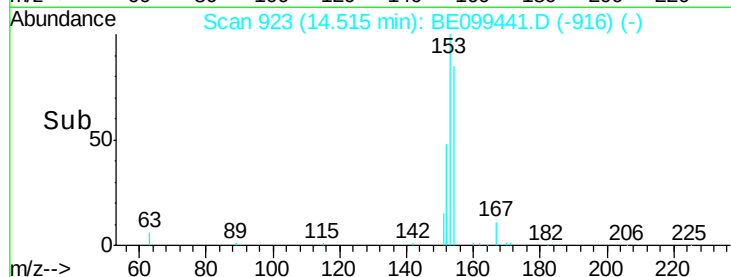
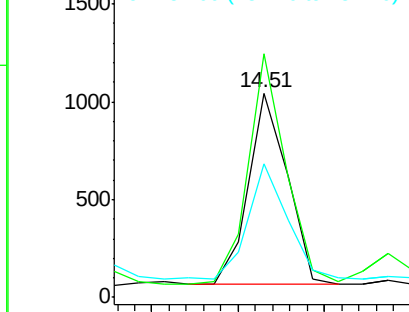
Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.8	92.6	138.8
152	60.3	45.8	68.8

Manual Integrations
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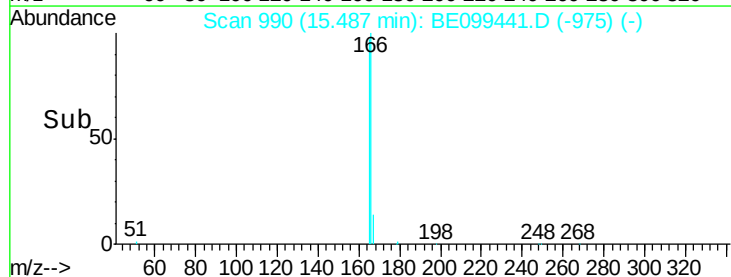
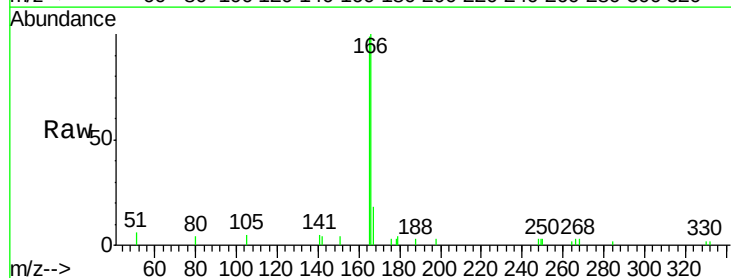
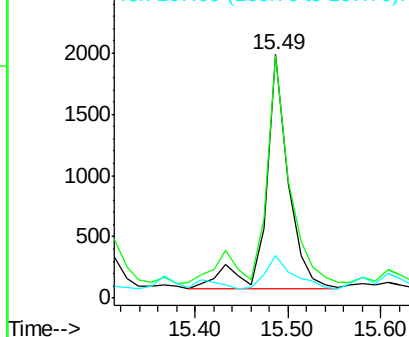
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

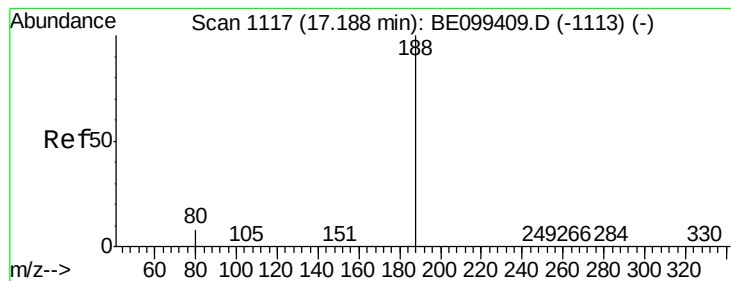


#18
Fluorene
Concen: 0.116 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.00 min
Lab File: BE099441.D
Acq: 1 May 2019 00:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.9	80.3	120.5
167	17.2	10.7	16.1#

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: 17.19 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE099441.D

Acq: 1 May 2019 00:37

Instrument :

BNA_E

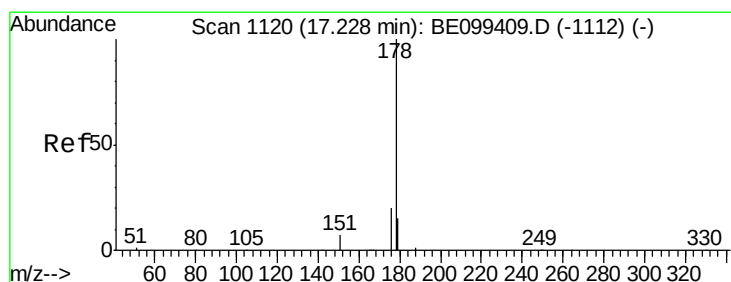
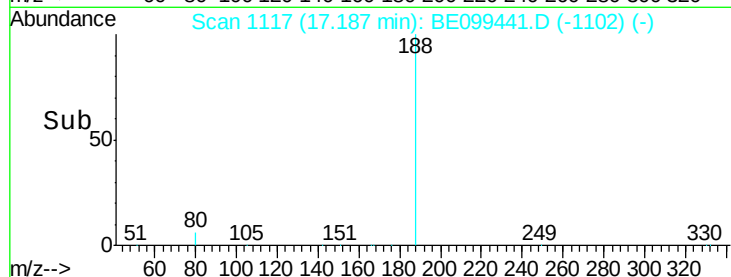
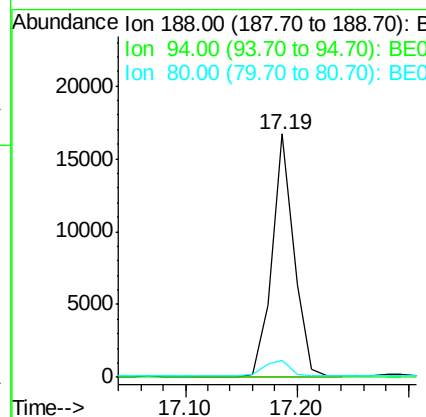
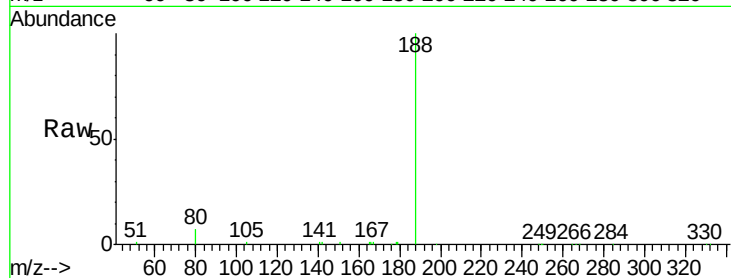
ClientSampleId :

EXT-026-SW043-042219

Tgt Ion:	188	Resp:	23000
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.9	6.7	10.1

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#23

Phenanthrene

Concen: 1.187 ng

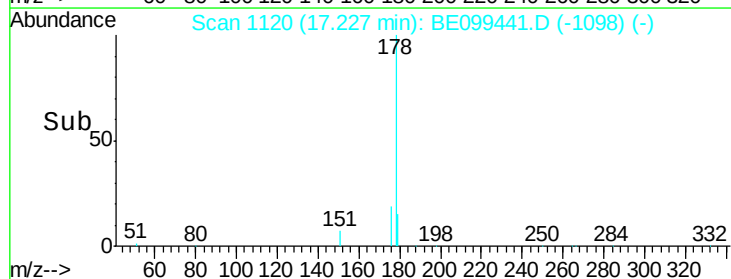
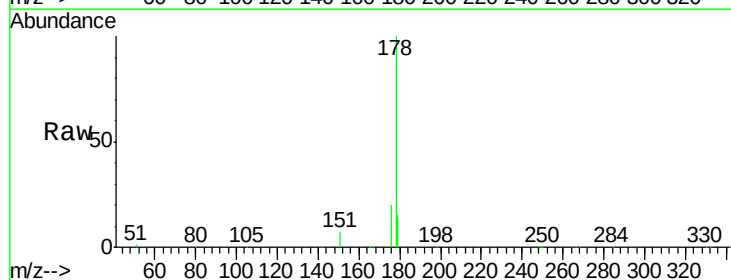
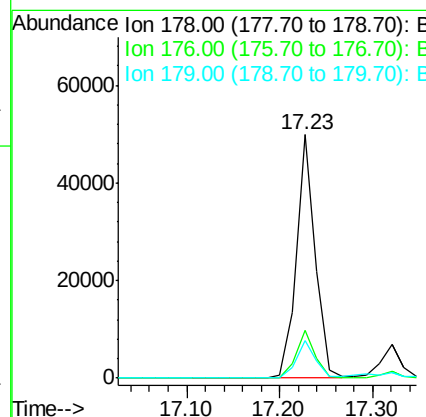
RT: 17.23 min Scan# 1120

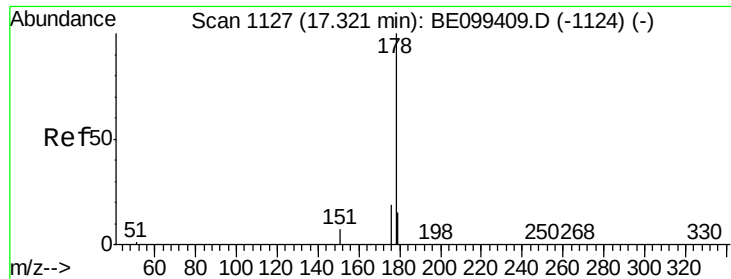
Delta R.T. -0.00 min

Lab File: BE099441.D

Acq: 1 May 2019 00:37

Tgt Ion:	178	Resp:	70468
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.6	23.4
179	15.6	12.0	18.0





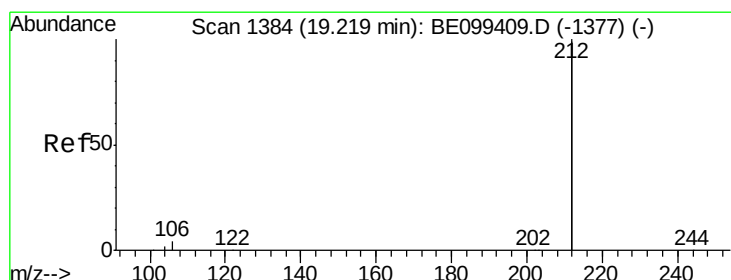
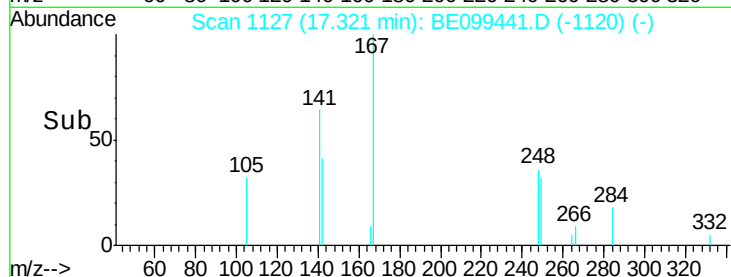
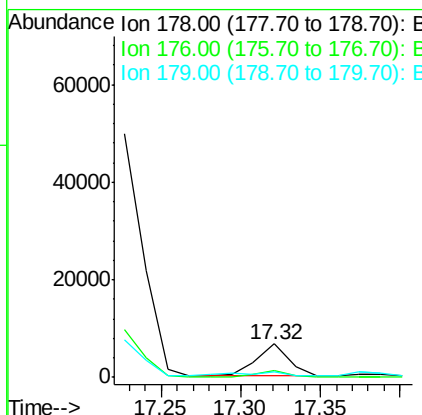
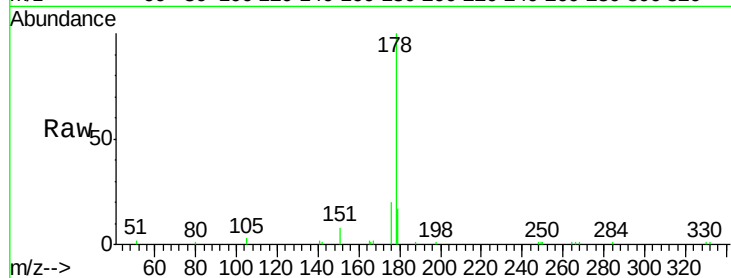
#24
 Anthracene
 Concen: 0.159 ng
 RT: 17.32 min Scan# 1127
 Delta R.T. -0.00 min
 Lab File: BE099441.D
 Acq: 1 May 2019 00:37

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW043-042219

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	14.9	22.3
179	22.9	11.9	17.9

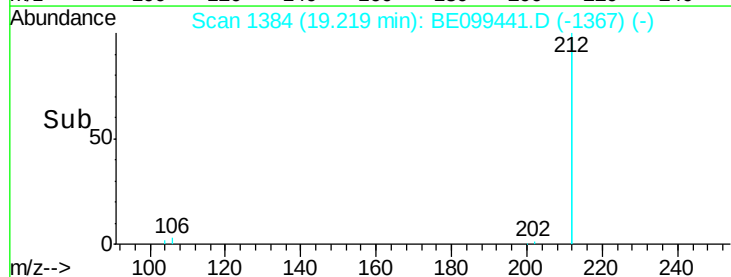
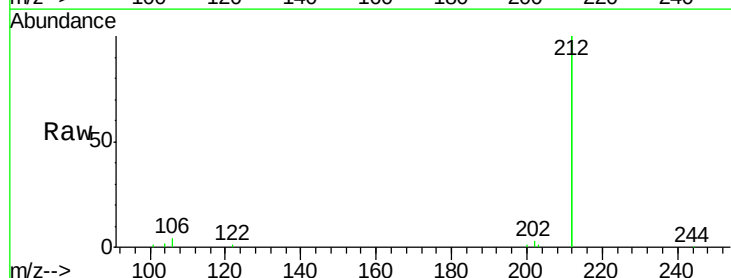
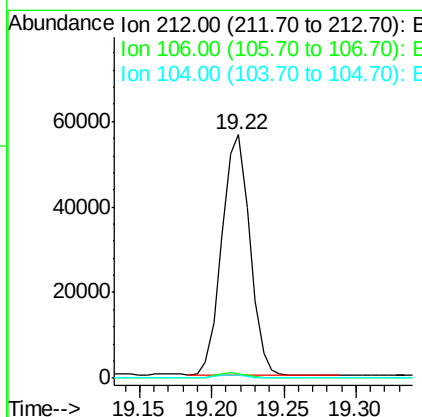
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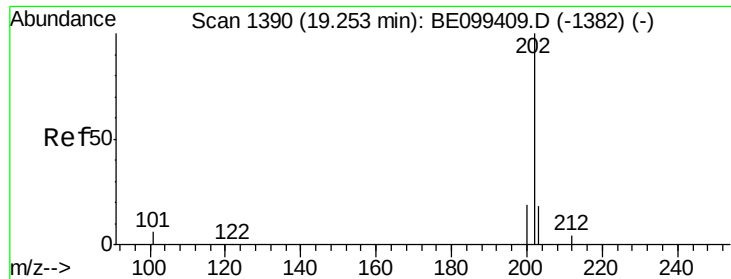
Sohil
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#25
 Fluoranthene-d10
 Concen: 0.244 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: BE099441.D
 Acq: 1 May 2019 00:37

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.5	2.3
104	1.1	0.9	1.3





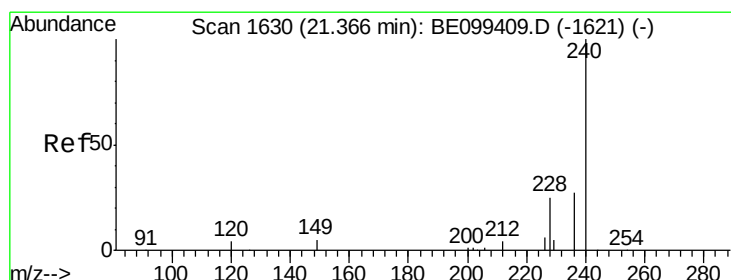
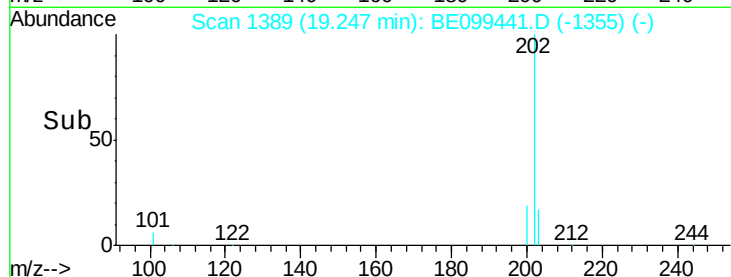
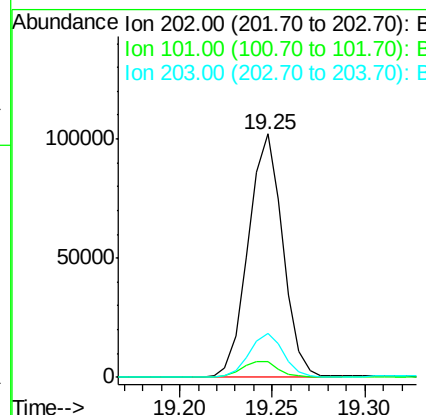
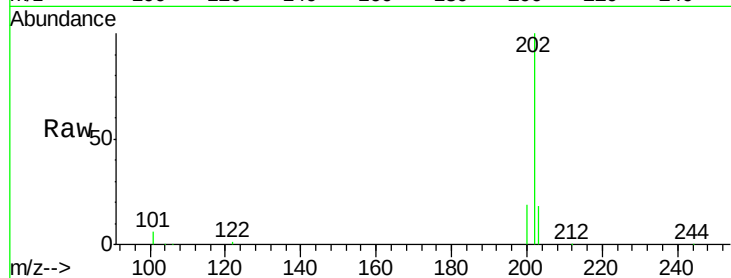
#26
Fluoranthene
 Concen: 1.482 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BE099441.D
 Acq: 1 May 2019 00:37

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW043-042219

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	131787		
101	6.7	5.4	8.0	
203	17.5	13.9	20.9	

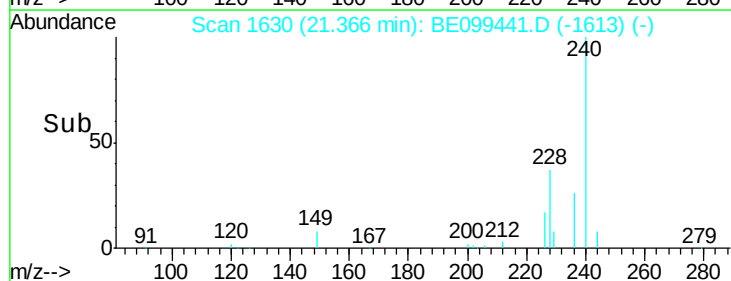
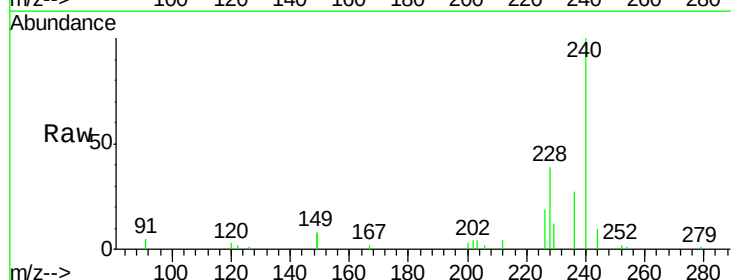
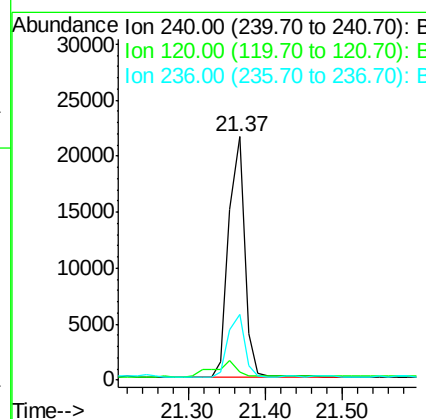
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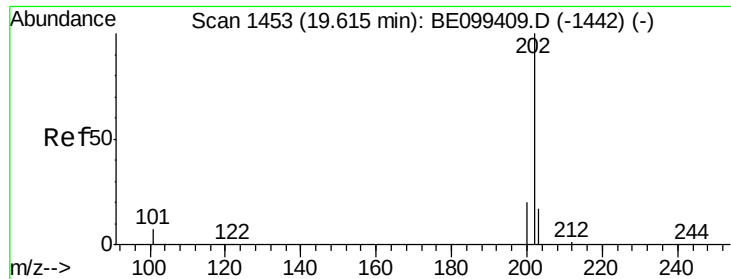
Sohil
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099441.D
 Acq: 1 May 2019 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	31097		
120	3.5	4.0	6.0#	
236	27.1	22.0	33.0	





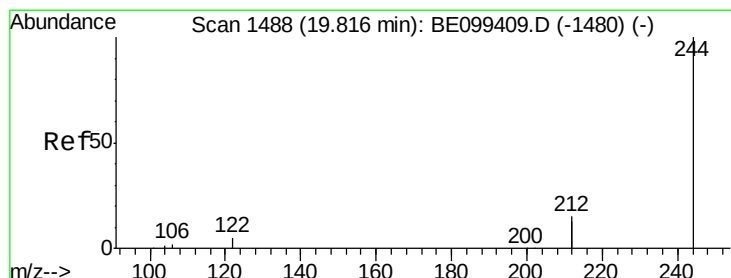
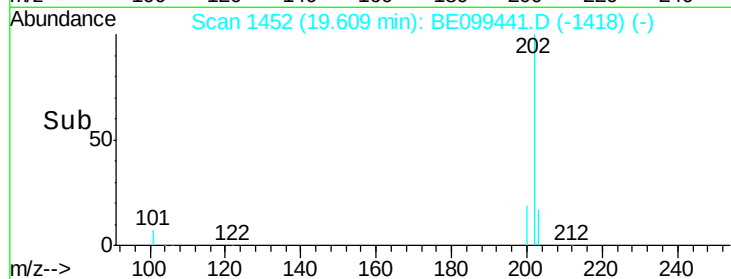
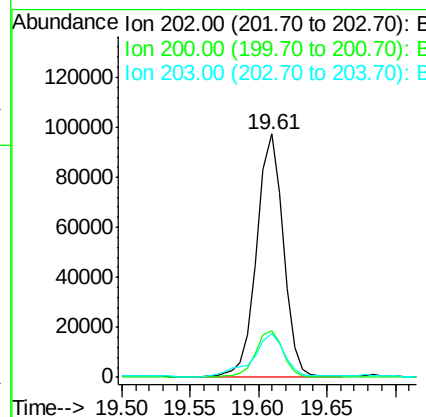
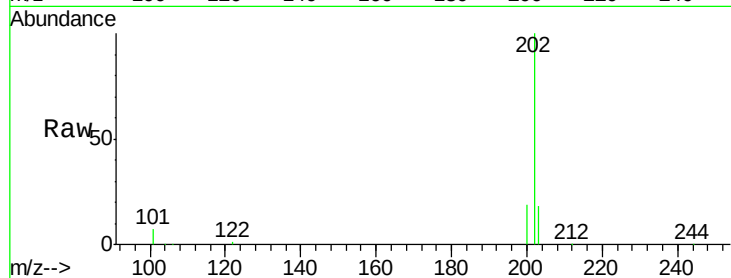
#28
 Pyrene
 Concen: 1.604 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099441.D
 Acq: 1 May 2019 00:37

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW043-042219

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.8	15.7	23.5
203	21.1	13.9	20.9

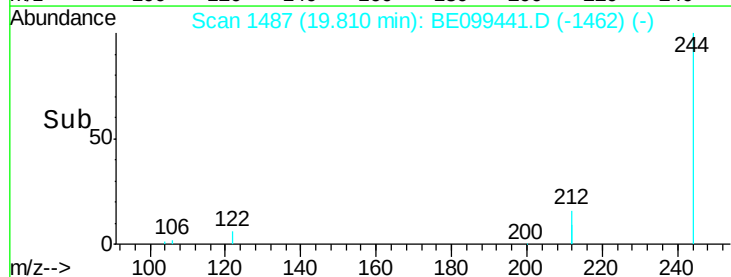
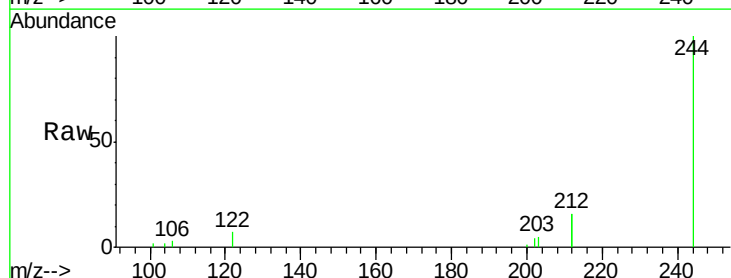
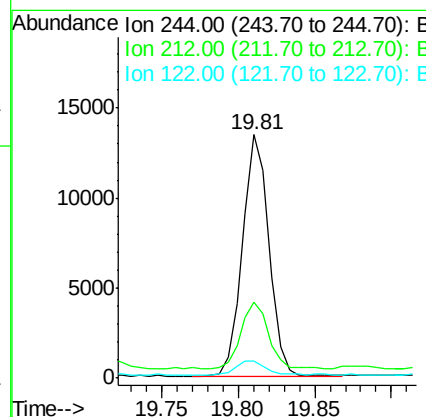
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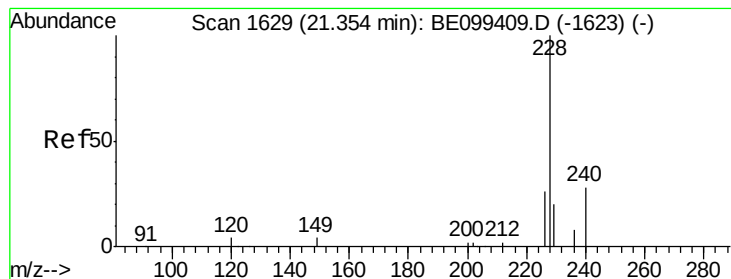
Sohil
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#29
 Terphenyl-d14
 Concen: 0.283 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099441.D
 Acq: 1 May 2019 00:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	31.3	23.2	34.8
122	7.2	4.2	6.4





#30

Benzo(a)anthracene

Concen: 0.744 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099441.D

Acq: 1 May 2019 00:37

Instrument :

BNA_E

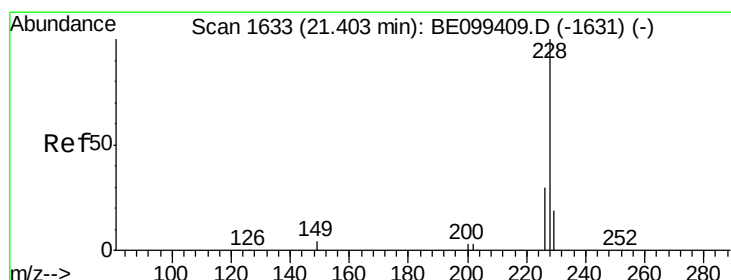
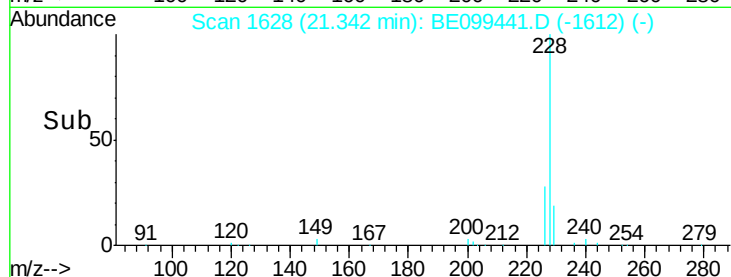
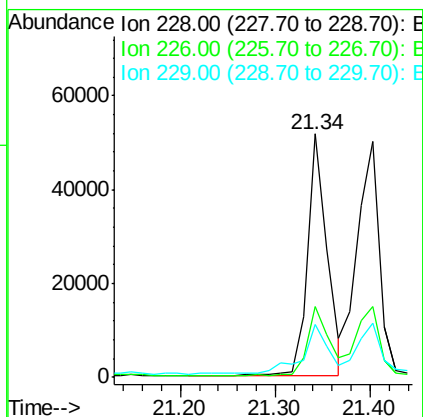
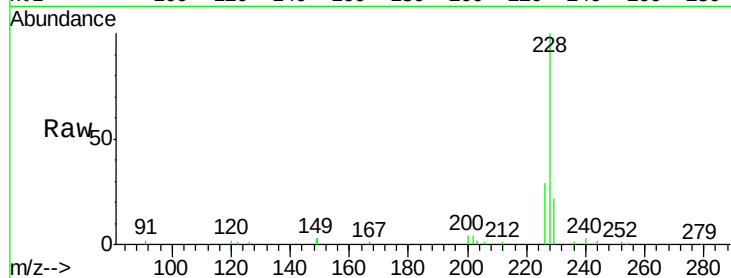
ClientSampleId :

EXT-026-SW043-042219

Tgt Ion:	228	Resp:	73742
Ion Ratio	Lower	Upper	
228	100		
226	28.9	21.0	31.6
229	21.5	16.6	25.0

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#31

Chrysene

Concen: 0.831 ng

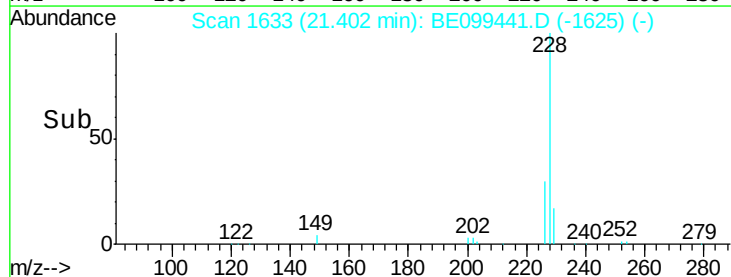
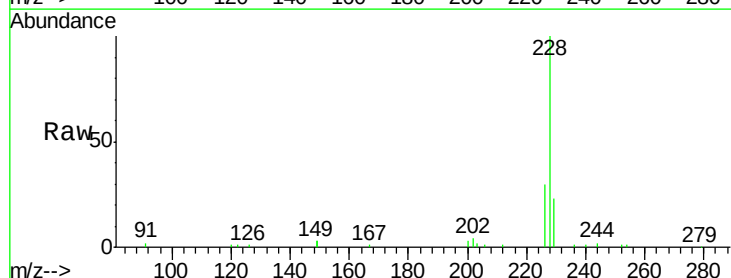
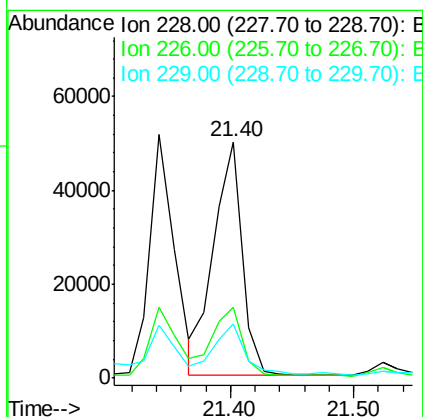
RT: 21.40 min Scan# 1633

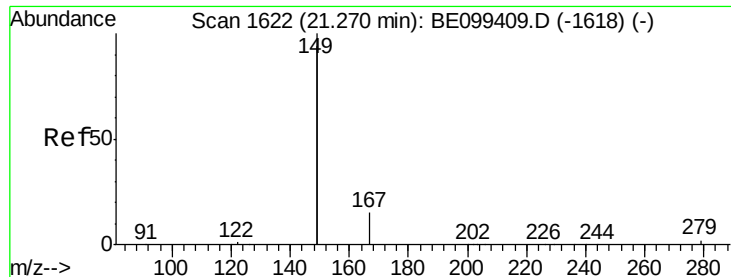
Delta R.T. -0.00 min

Lab File: BE099441.D

Acq: 1 May 2019 00:37

Tgt Ion:	228	Resp:	80575
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.0	36.0
229	23.0	15.8	23.8





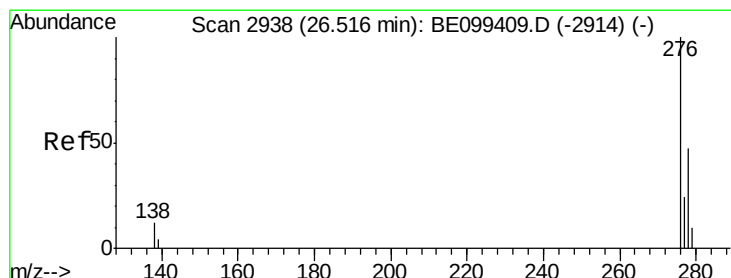
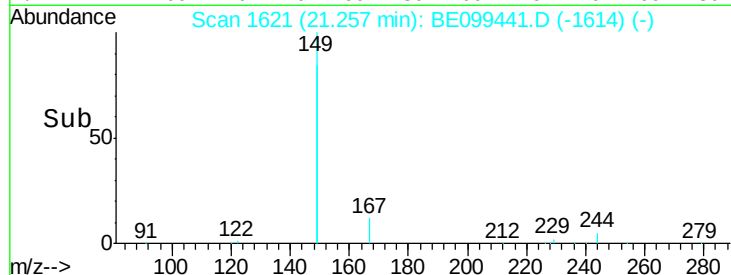
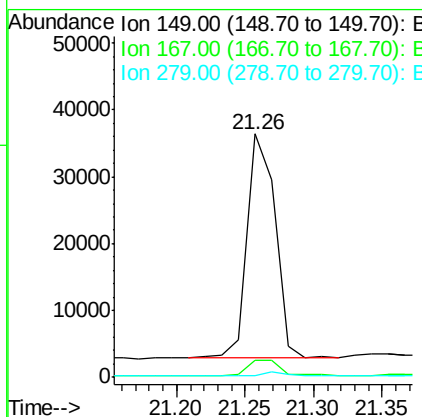
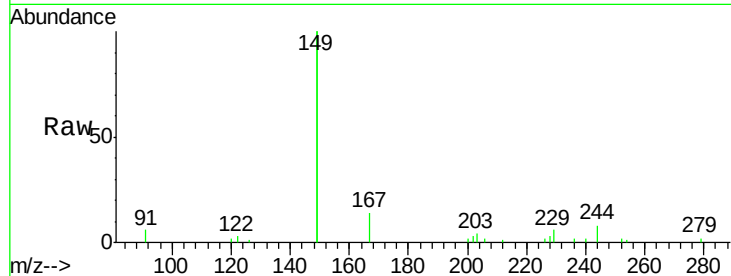
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.269 ng
 RT: 21.26 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BE099441.D
 Acq: 1 May 2019 00:37

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW043-042219

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	7.3	5.8	8.6
279	1.7	1.0	1.6#

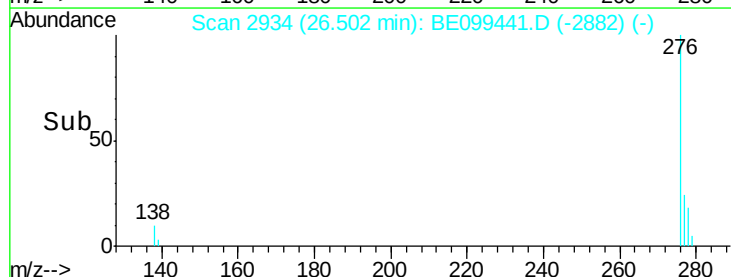
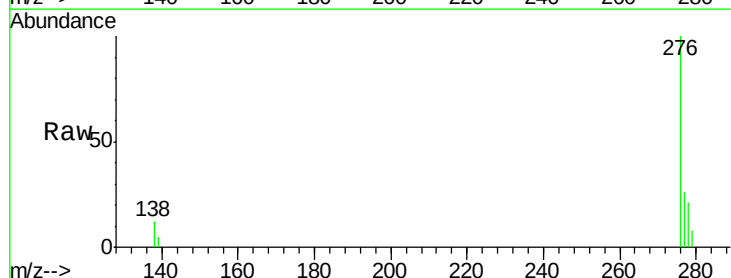
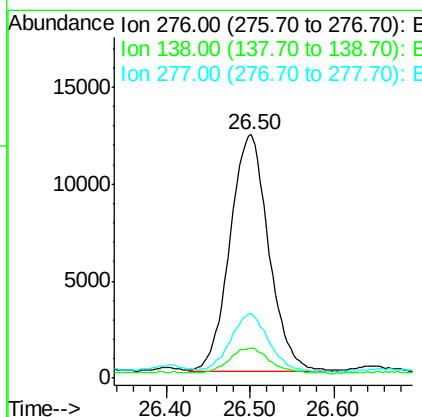
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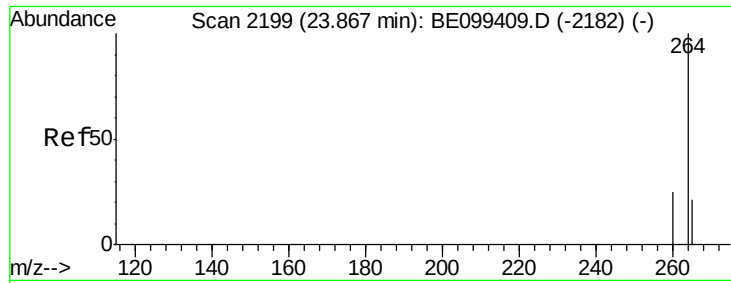
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.342 ng
 RT: 26.50 min Scan# 2934
 Delta R.T. -0.01 min
 Lab File: BE099441.D
 Acq: 1 May 2019 00:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	10.9	10.2	15.2
277	24.7	19.2	28.8





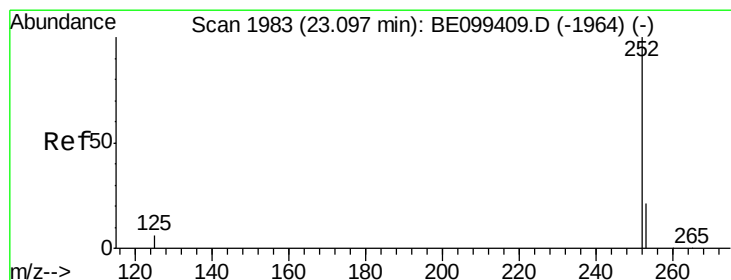
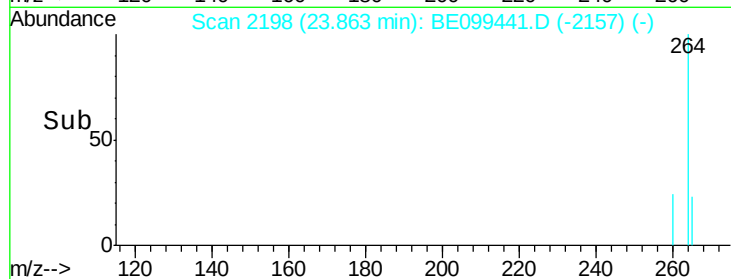
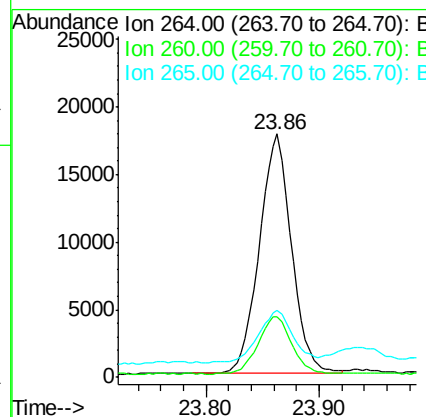
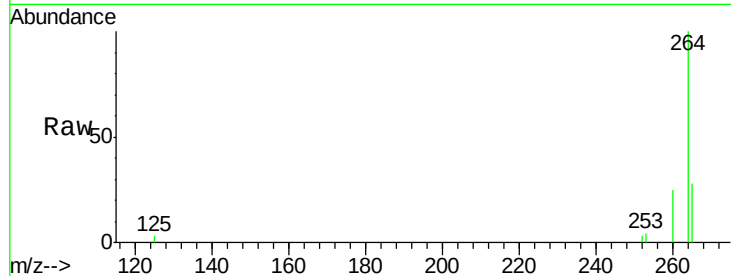
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099441.D
 Acq: 1 May 2019 00:37

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW043-042219

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	35021		
260	24.7	20.2	30.2	
265	27.6	21.3	31.9	

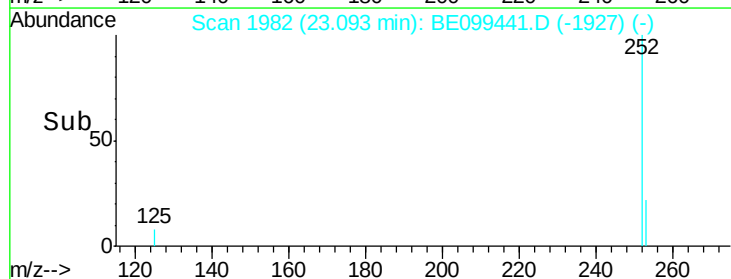
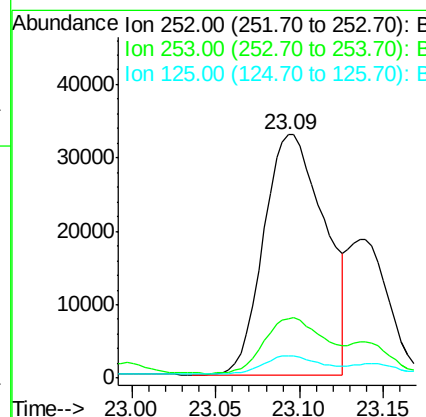
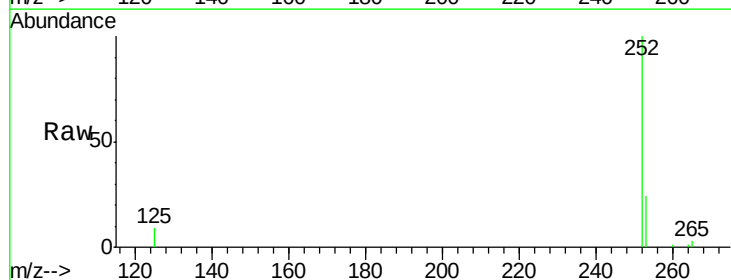
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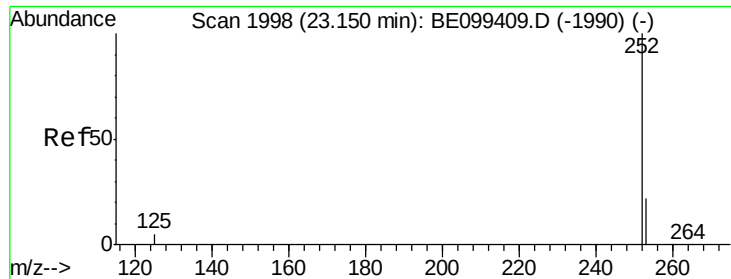
Sohil
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#35
Benzo(b)fluoranthene
 Concen: 0.823 ng
 RT: 23.09 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: BE099441.D
 Acq: 1 May 2019 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	83068		
253	24.2	18.1	27.1	
125	9.1	5.6	8.4	





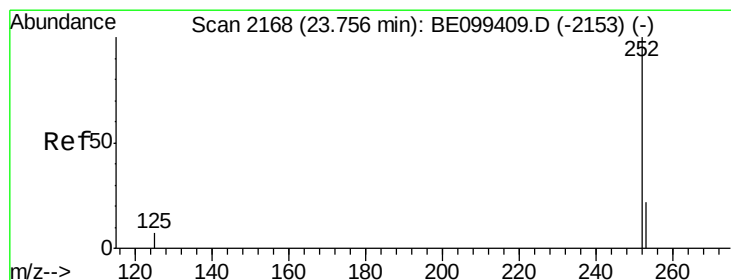
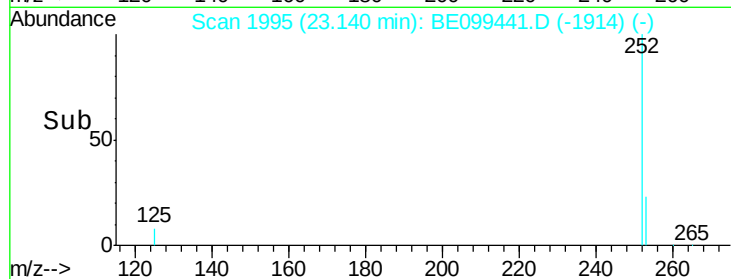
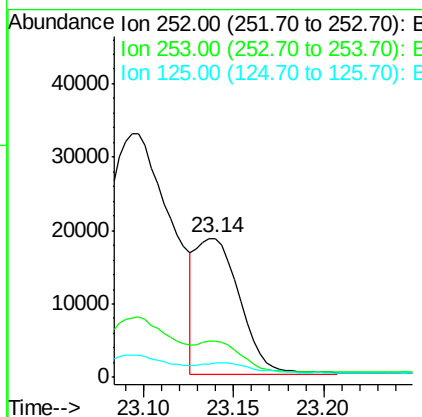
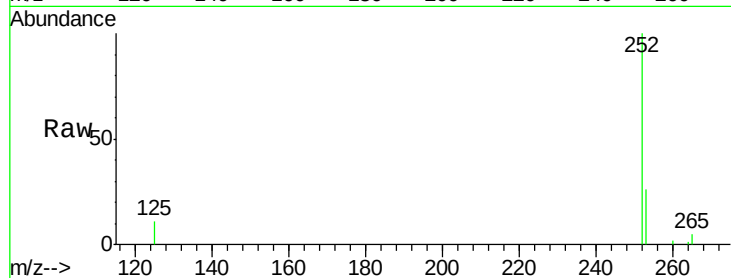
#36
Benzo(k)fluoranthene
Concen: 0.324 ng m
RT: 23.14 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BE099441.D
Acq: 1 May 2019 00:37

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW043-042219

Tgt Ion:252 Resp: 31560
Ion Ratio Lower Upper
252 100
253 25.8 18.4 27.6
125 10.6 5.0 7.4#

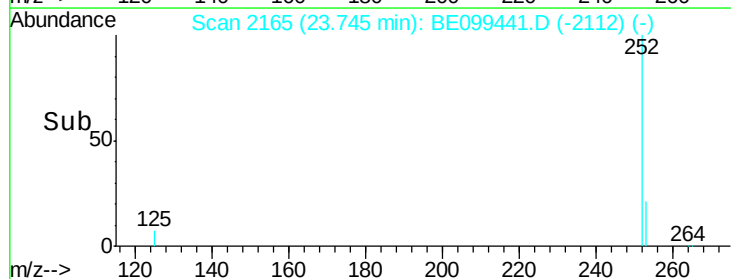
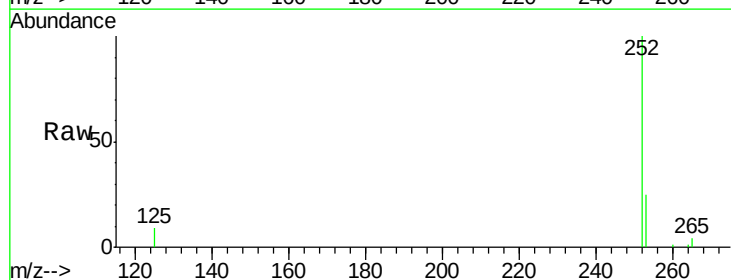
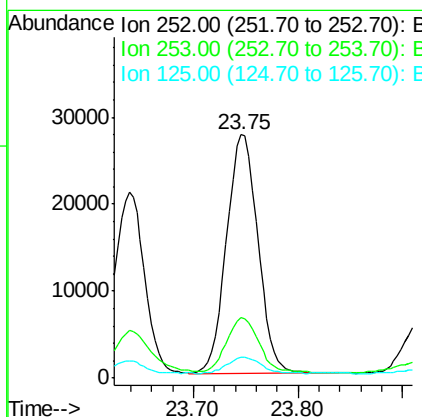
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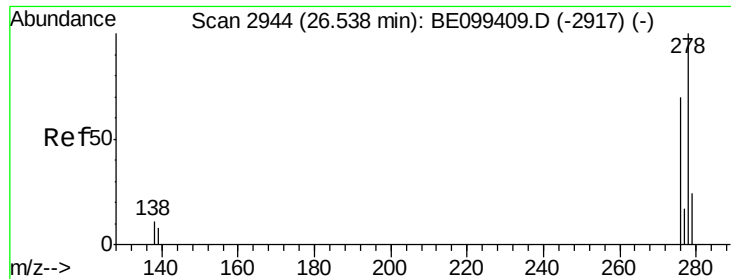
Sohil
5/1/2019 12:03:11 PM



#37
Benzo(a)pyrene
Concen: 0.598 ng
RT: 23.75 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BE099441.D
Acq: 1 May 2019 00:37

Tgt Ion:252 Resp: 57074
Ion Ratio Lower Upper
252 100
253 24.8 18.9 28.3
125 8.5 6.7 10.1





#38

Dibenzo(a,h)anthracene

Concen: 0.110 ng

RT: 26.52 min Scan# 2938

Delta R.T. -0.02 min

Lab File: BE099441.D

Acq: 1 May 2019 00:37

Instrument :

BNA_E

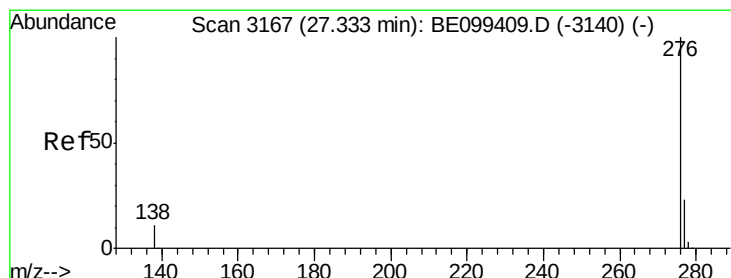
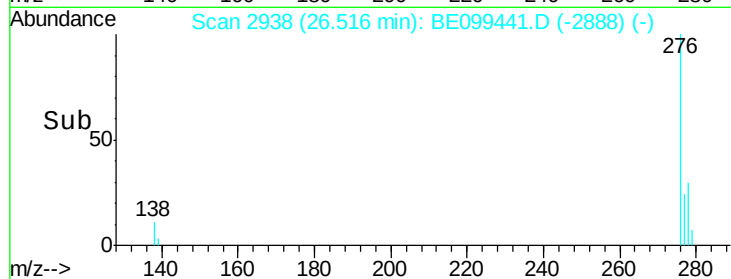
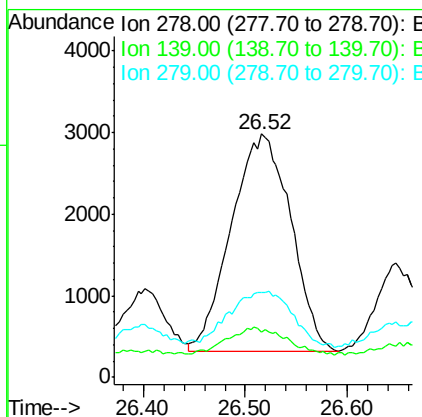
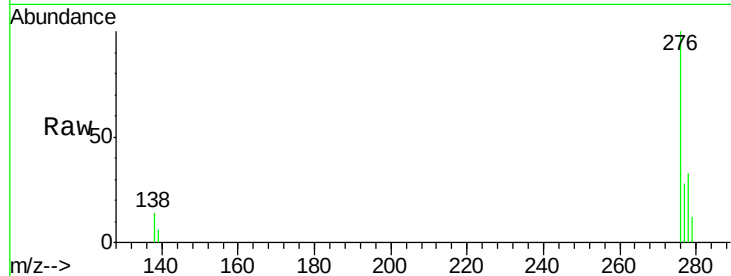
ClientSampleId :

EXT-026-SW043-042219

Tgt Ion:	278	Resp:	10773
Ion Ratio	Lower	Upper	
278	100		
139	18.6	7.7	11.5#
279	34.8	20.2	30.2#

Manual Integrations
APPROVED

Sohil
5/1/2019 12:03:11 PM



#39

Benzo(g,h,i)perylene

Concen: 0.390 ng

RT: 27.32 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE099441.D

Acq: 1 May 2019 00:37

Tgt Ion:	276	Resp:	38160
Ion Ratio	Lower	Upper	
276	100		
277	25.8	19.5	29.3
138	12.6	9.6	14.4

