

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099449.D
 Acq On : 1 May 2019 5:26
 Operator : JU/SJ
 Sample : K2568-06
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW025-042219

Manual Integrations
 APPROVED

Sohil
 5/1/2019 12:03:39 PM

Quant Time: May 01 07:30:20 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	2508	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	9637	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	7773	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	25200	0.40	ng	0.00
27) Chrysene-d12	21.37	240	31765	0.40	ng	0.00
34) Perylene-d12	23.87	264	36607	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2911	0.42	ng	0.00
5) Phenol-d6	6.98	99	4289	0.47	ng	0.00
8) Nitrobenzene-d5	8.96	82	3563	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	6785	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	2252	0.46	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	9957	0.34	ng	-0.02
25) Fluoranthene-d10	19.22	212	118363	0.35	ng	0.00
29) Terphenyl-d14	19.81	244	24532	0.42	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.18	152	1184	0.031	ng	# 84
23) Phenanthrene	17.23	178	6776	0.104	ng	97
26) Fluoranthene	19.25	202	20557	0.211	ng	99
28) Pyrene	19.61	202	22071	0.267	ng	96
30) Benzo(a)anthracene	21.34	228	11276	0.111	ng	# 89
31) Chrysene	21.40	228	14980	0.151	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.27	149	30507	0.142	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.51	276	9976	0.085	ng	97
35) Benzo(b)fluoranthene	23.09	252	18635	0.177	ng	# 72
36) Benzo(k)fluoranthene	23.14	252	6753m	0.066	ng	
37) Benzo(a)pyrene	23.75	252	12105	0.121	ng	# 72
38) Dibenzo(a,h)anthracene	26.52	278	2485	0.024	ng	# 24
39) Benzo(g,h,i)perylene	27.33	276	10300	0.101	ng	# 87

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

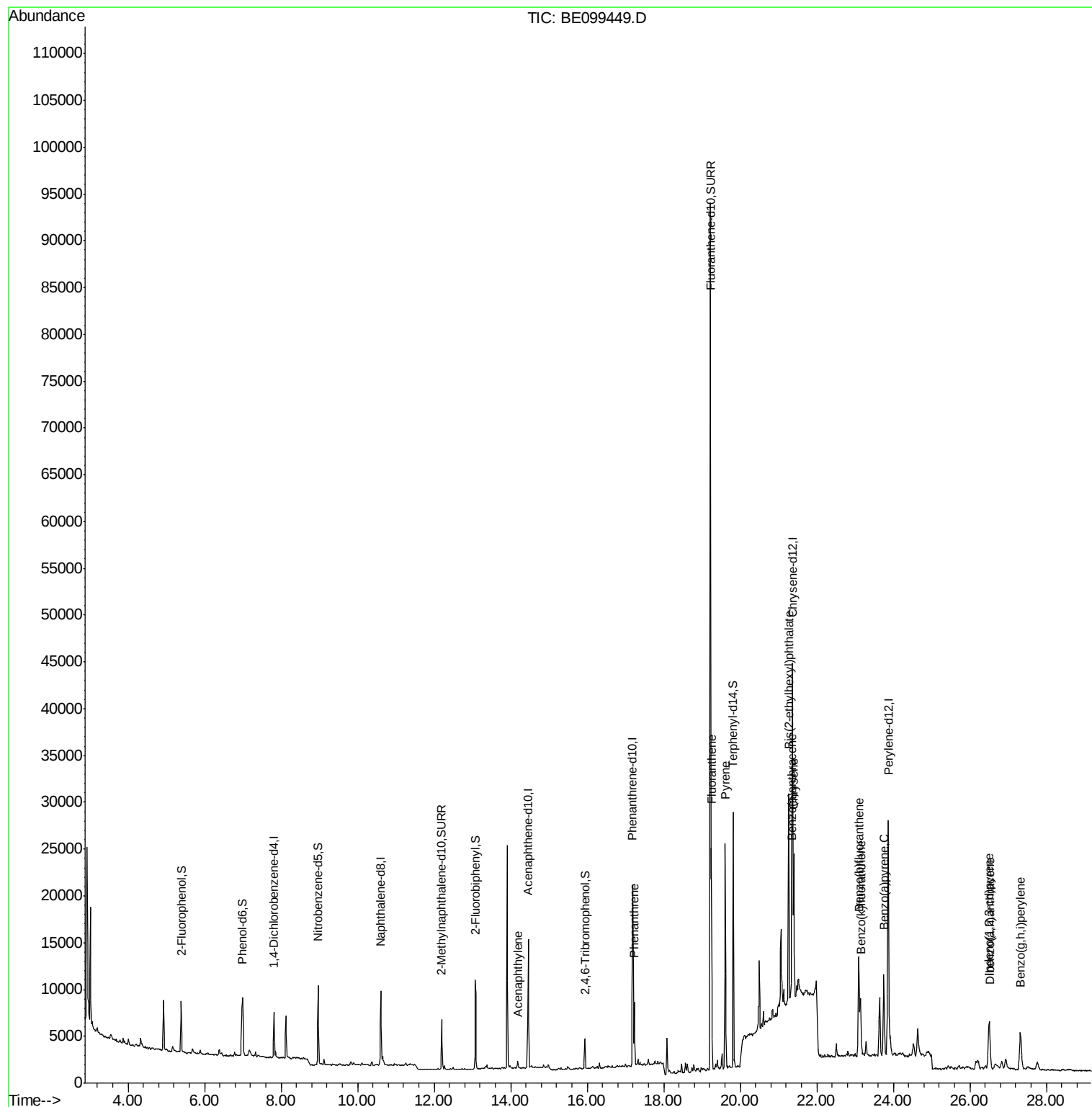
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
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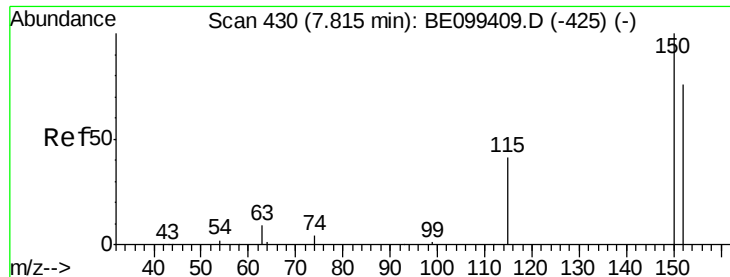
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099449.D

Acq: 1 May 2019 5:26

Instrument :

BNA_E

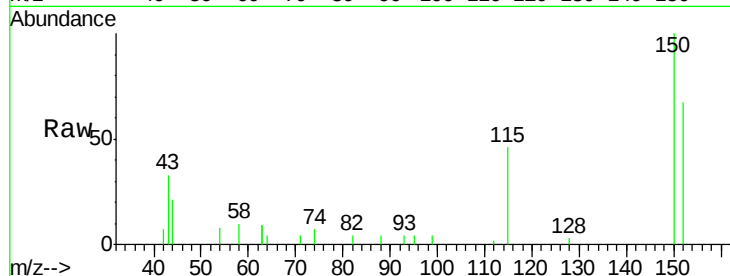
ClientSampleId :

EXT-026-SW025-042219

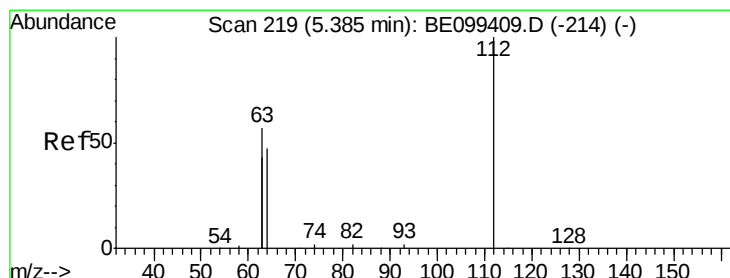
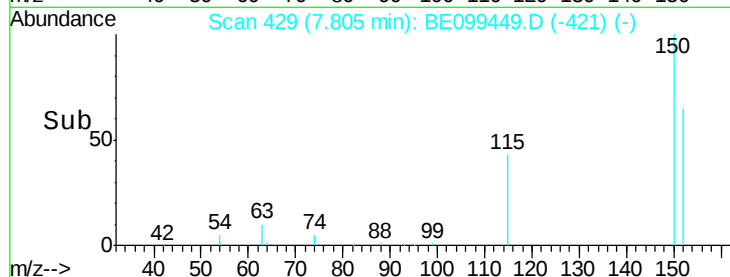
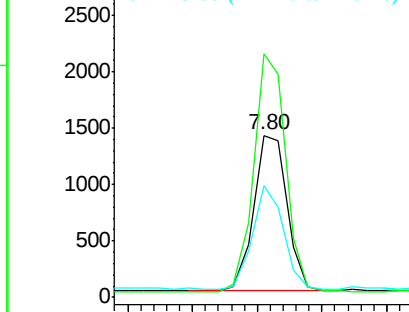
Tgt Ion:	152	Resp:	2508
Ion Ratio	Lower	Upper	
152	100		
150	150.2	104.8	157.2
115	68.9	46.6	69.8

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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: 0.420 ng

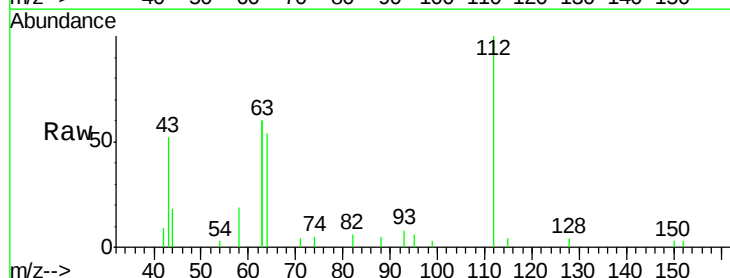
RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

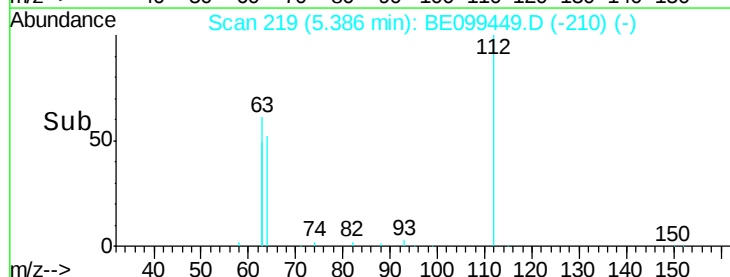
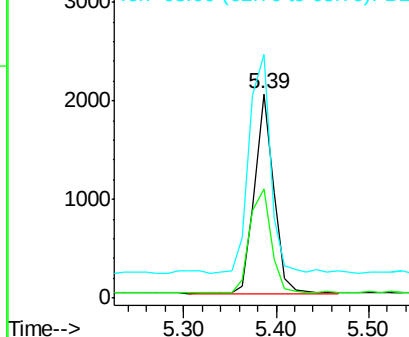
Lab File: BE099449.D

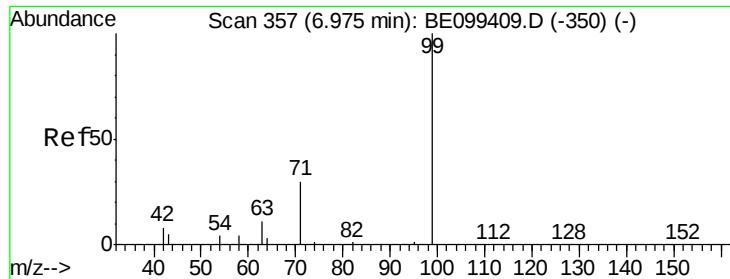
Acq: 1 May 2019 5:26

Tgt Ion:	112	Resp:	2911
Ion Ratio	Lower	Upper	
112	100		
64	57.0	47.4	71.0
63	122.4	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: 0.465 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099449.D

Acq: 1 May 2019 5:26

Instrument :

BNA_E

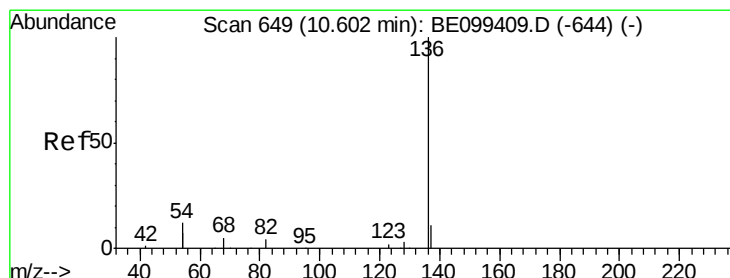
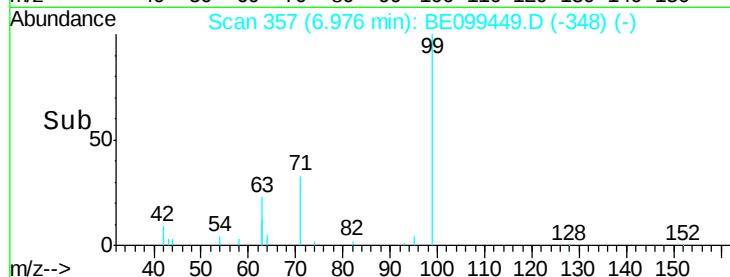
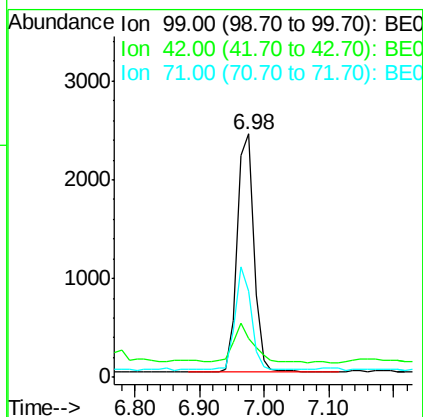
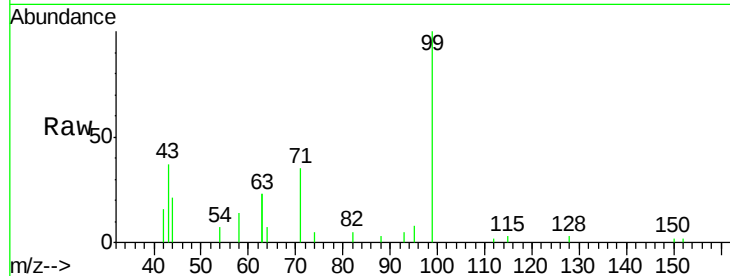
ClientSampleId :

EXT-026-SW025-042219

Tgt Ion:	99	Resp:	4289
Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.9	22.3
71	40.5	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

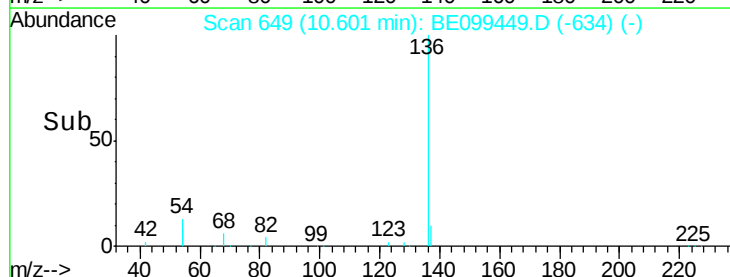
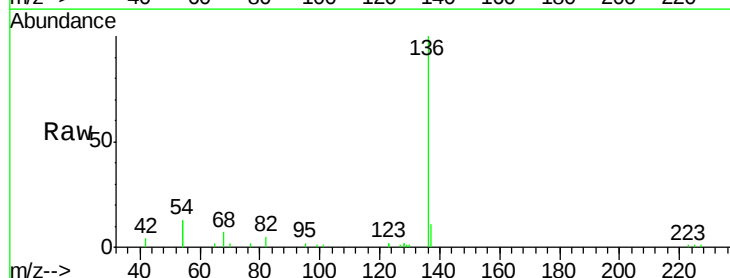
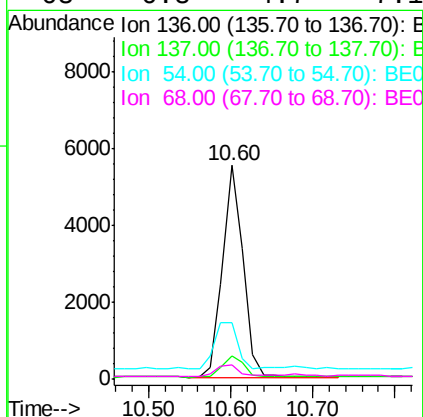
RT: 10.60 min Scan# 649

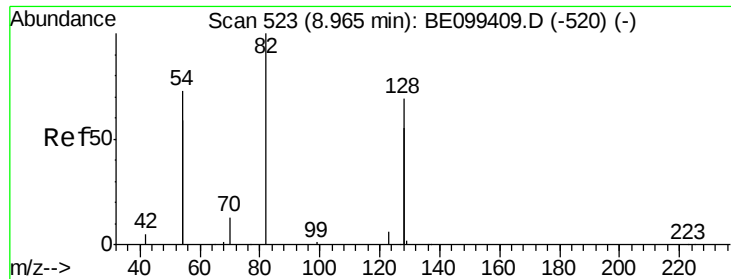
Delta R.T. -0.00 min

Lab File: BE099449.D

Acq: 1 May 2019 5:26

Tgt Ion:	136	Resp:	9637
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.8
54	26.3	18.5	27.7
68	6.8	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.394 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099449.D

Acq: 1 May 2019 5:26

Instrument :

BNA_E

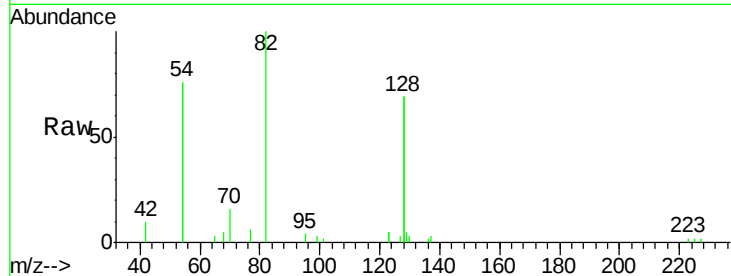
ClientSampleId :

EXT-026-SW025-042219

Tgt Ion:	82	Resp:	3563
Ion Ratio	Lower	Upper	
82	100		
128	138.9	107.0	160.4
54	151.2	113.1	169.7

Manual Integrations
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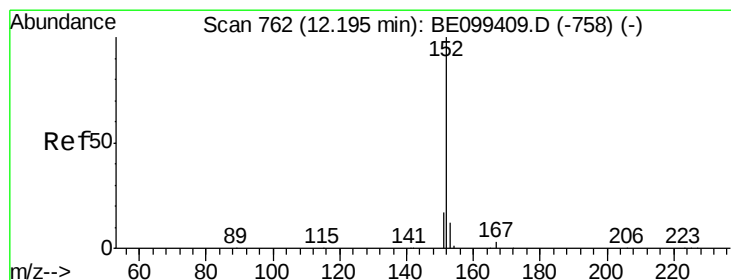
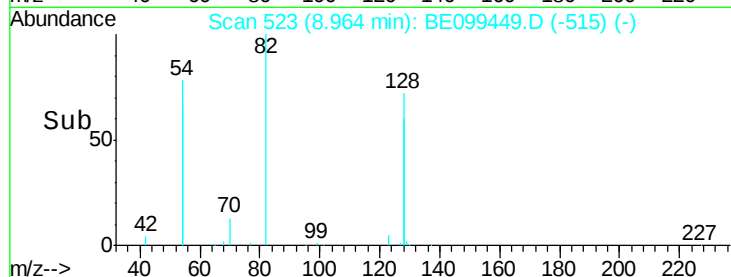
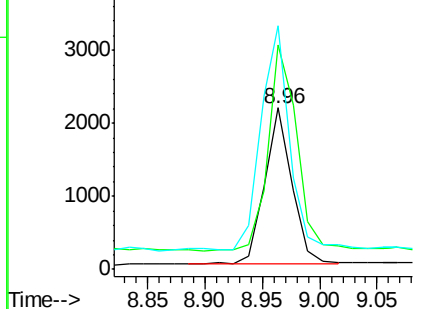
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Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.391 ng

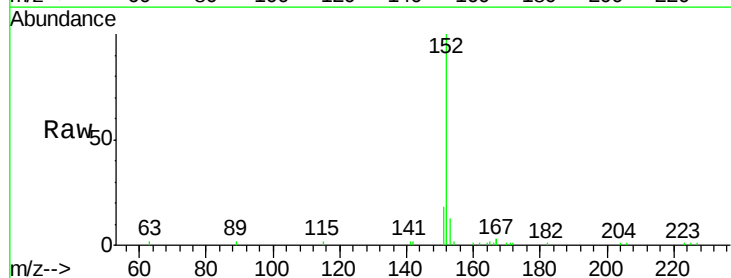
RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099449.D

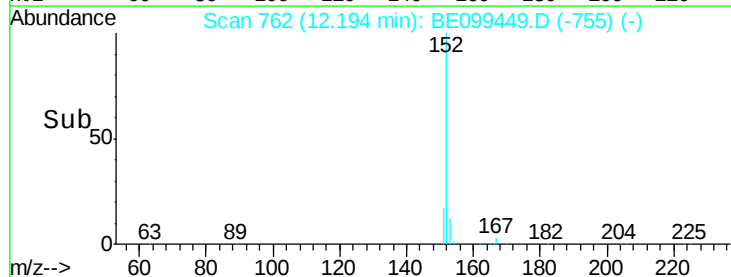
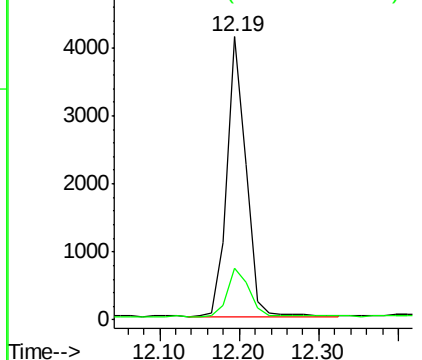
Acq: 1 May 2019 5:26

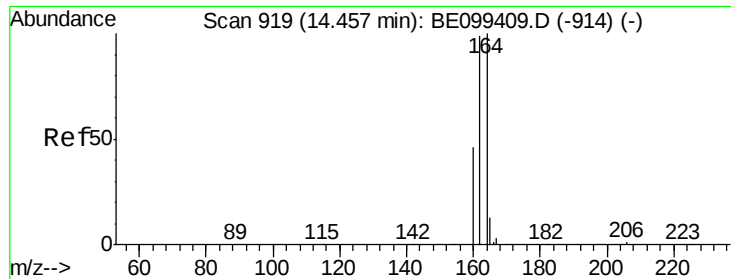
Tgt Ion:	152	Resp:	6785
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.5	23.3



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0





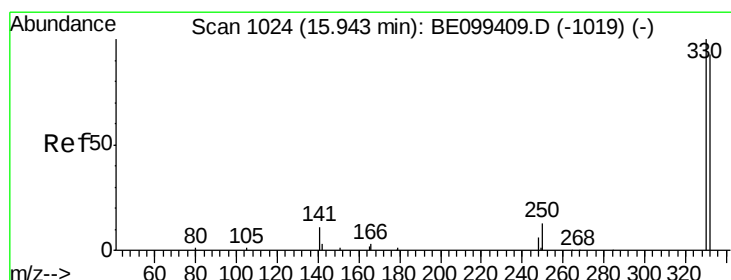
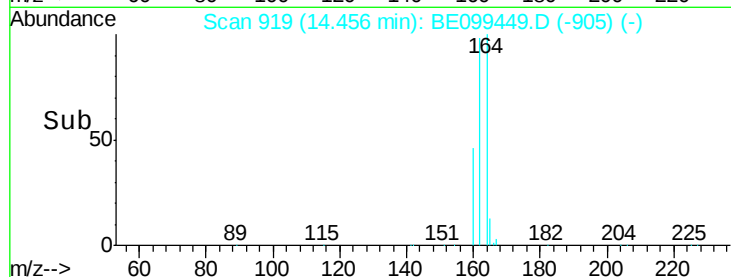
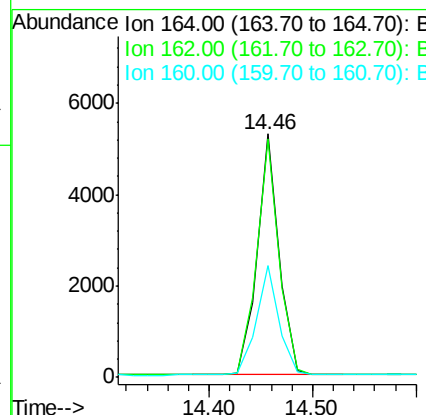
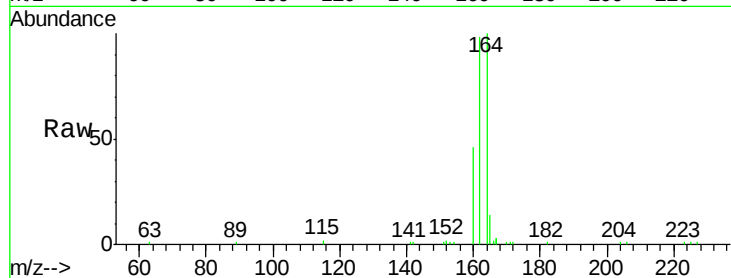
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099449.D
 Acq: 1 May 2019 5:26

Instrument :
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 ClientSampleId :
 EXT-026-SW025-042219

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.0	79.0	118.4
160	46.1	37.0	55.4

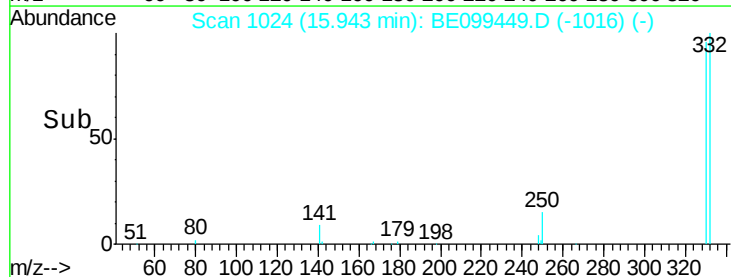
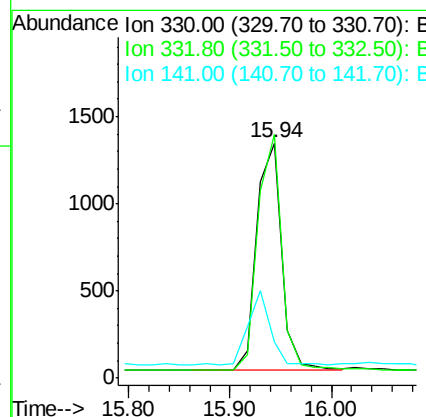
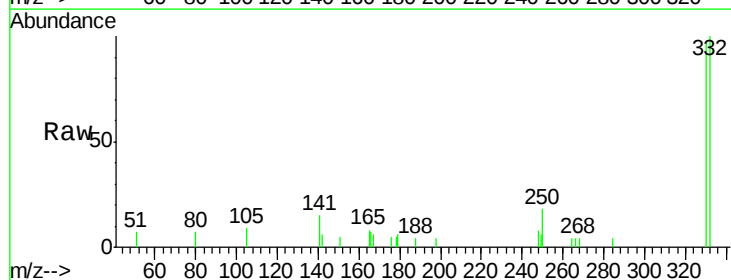
Manual Integrations
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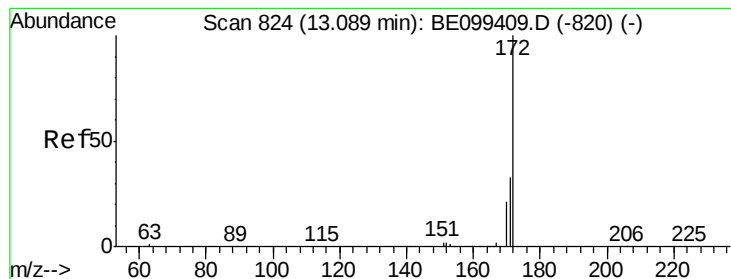
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#14
 2,4,6-Tribromophenol
 Concen: 0.460 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099449.D
 Acq: 1 May 2019 5:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.2	71.5	107.3
141	28.9	24.0	36.0





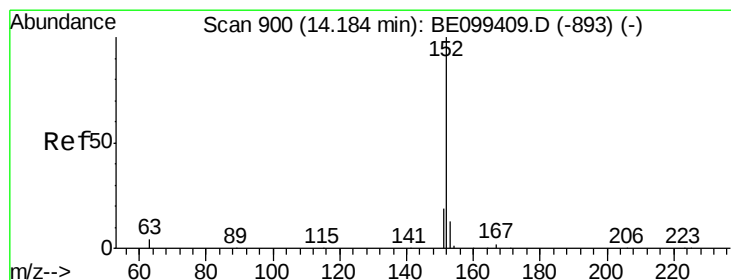
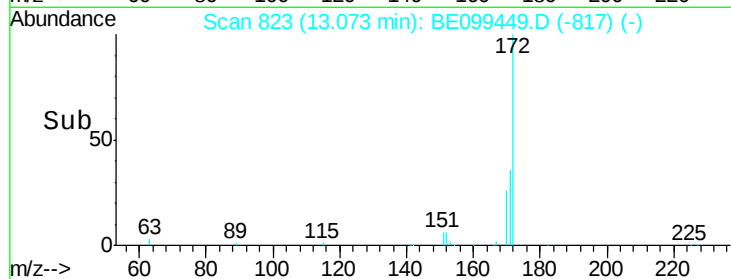
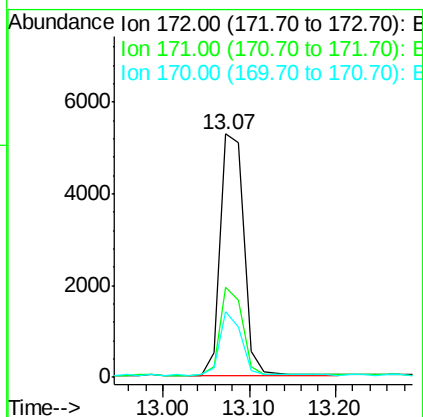
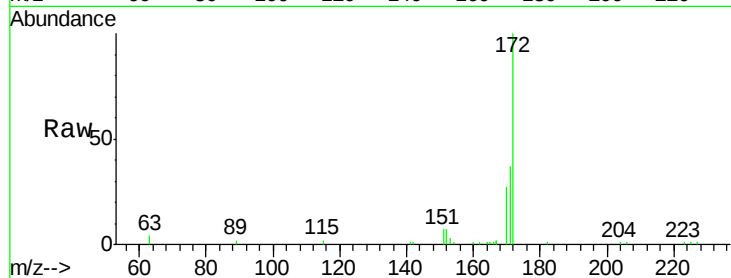
#15
2-Fluorobiphenyl
Concen: 0.336 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099449.D
Acq: 1 May 2019 5:26

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW025-042219

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	26.6	39.8
170	26.8	17.0	25.6

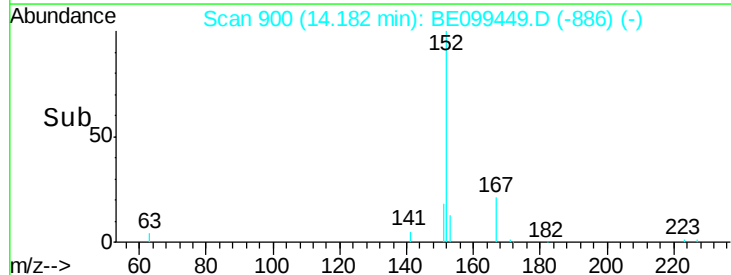
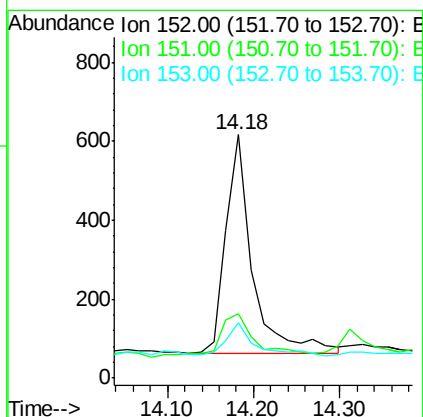
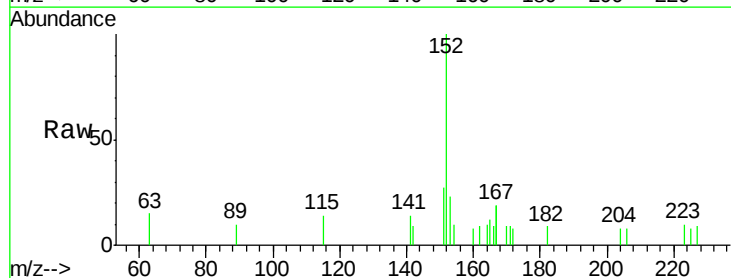
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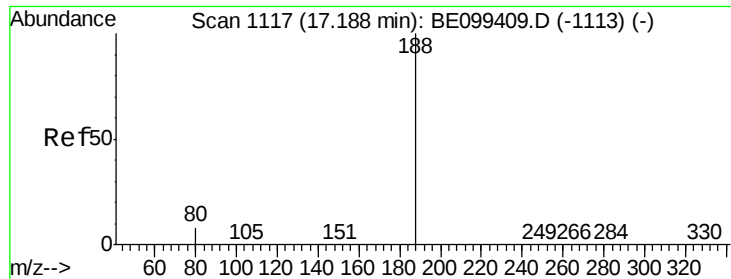
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#16
Acenaphthylene
Concen: 0.031 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099449.D
Acq: 1 May 2019 5:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	28.9	15.4	23.2
153	15.7	9.8	14.6





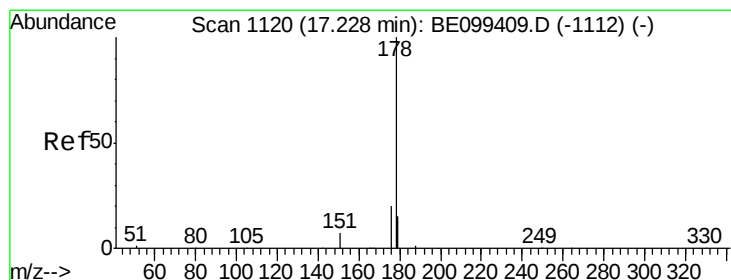
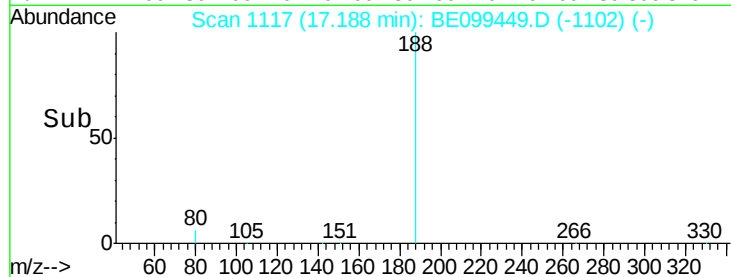
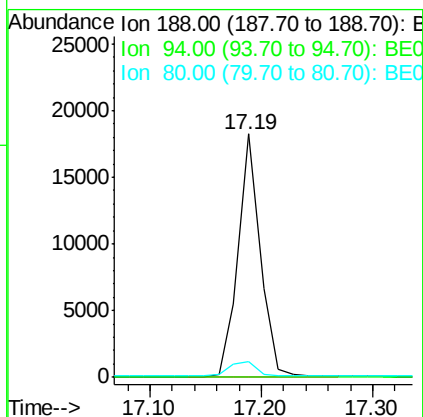
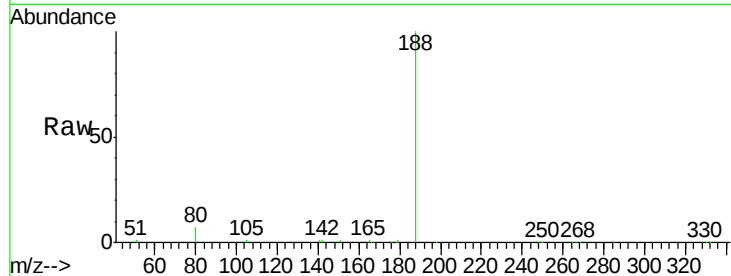
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099449.D
Acq: 1 May 2019 5:26

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ClientSampleId :
EXT-026-SW025-042219

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	6.6	6.7	10.1#

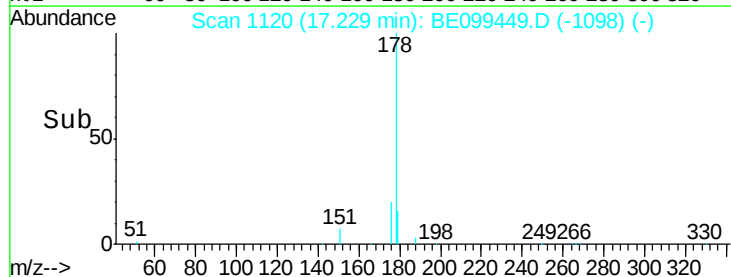
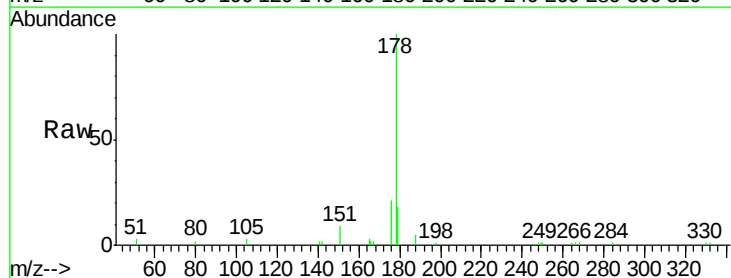
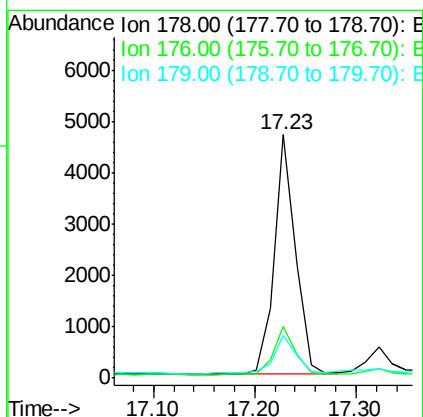
Manual Integrations
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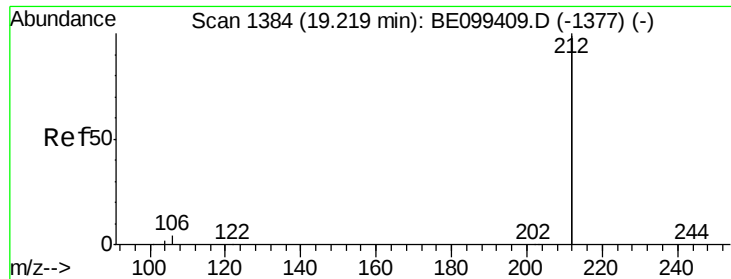
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#23
Phenanthrene
Concen: 0.104 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099449.D
Acq: 1 May 2019 5:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.4	15.6	23.4
179	16.9	12.0	18.0





#25

Fluoranthene-d10

Concen: 0.348 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099449.D

Acq: 1 May 2019 5:26

Instrument :

BNA_E

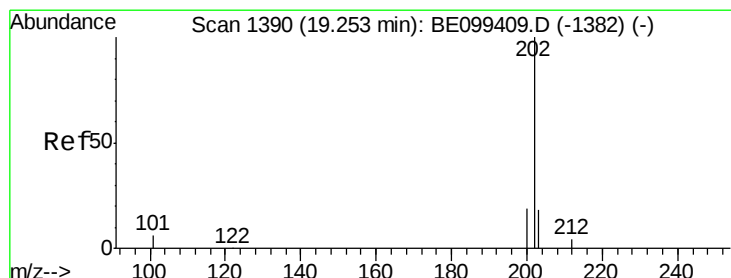
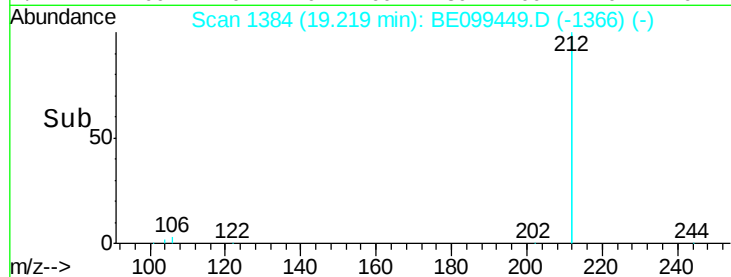
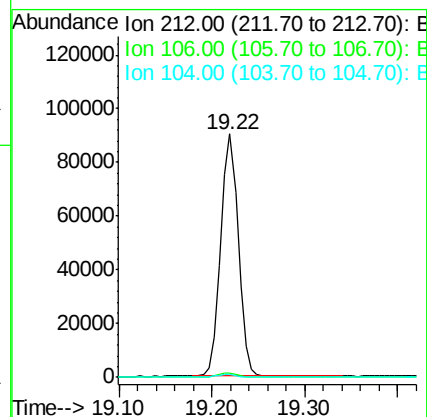
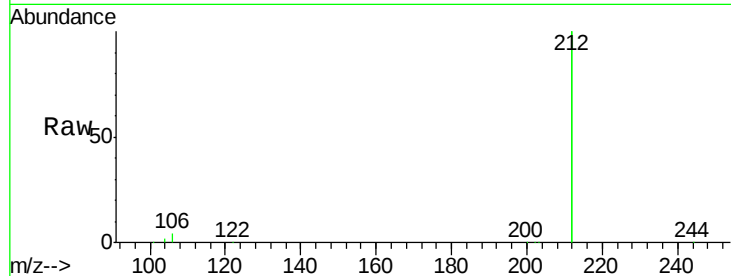
ClientSampleId :

EXT-026-SW025-042219

Tgt Ion	Ratio	Resp Lower	Resp Upper
212	100		
106	1.8	1.5	2.3
104	1.1	0.9	1.3

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#26

Fluoranthene

Concen: 0.211 ng

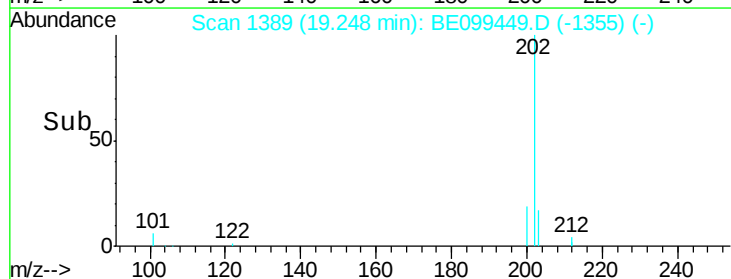
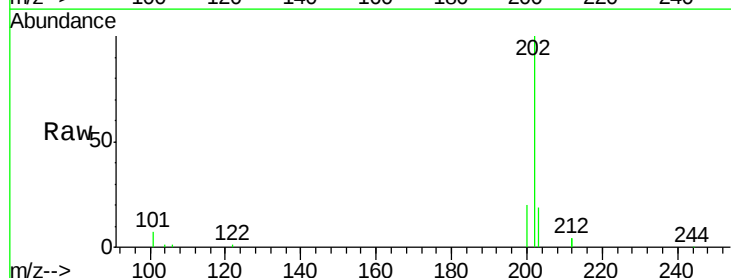
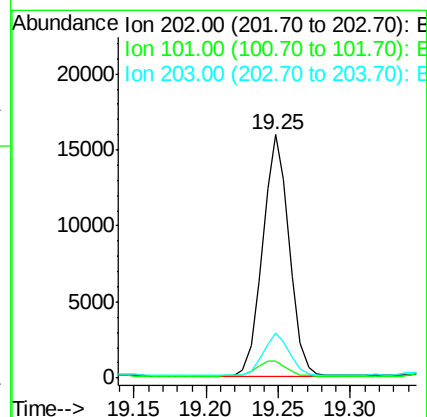
RT: 19.25 min Scan# 1389

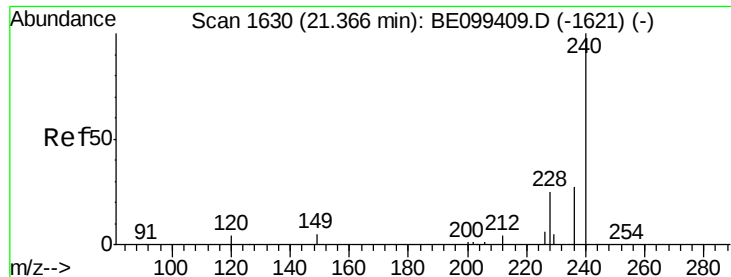
Delta R.T. -0.01 min

Lab File: BE099449.D

Acq: 1 May 2019 5:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.4	5.4	8.0
203	17.3	13.9	20.9





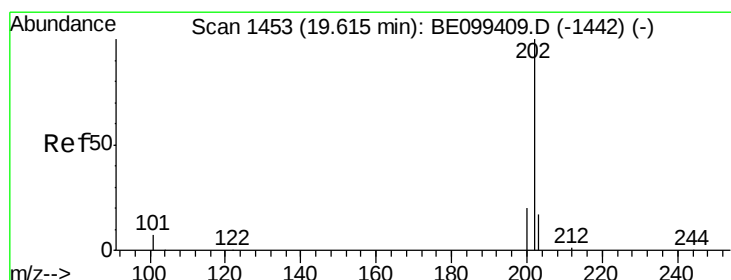
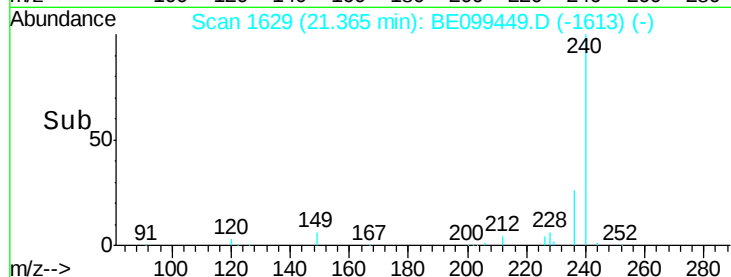
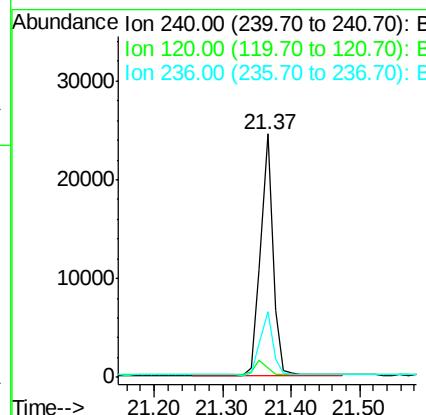
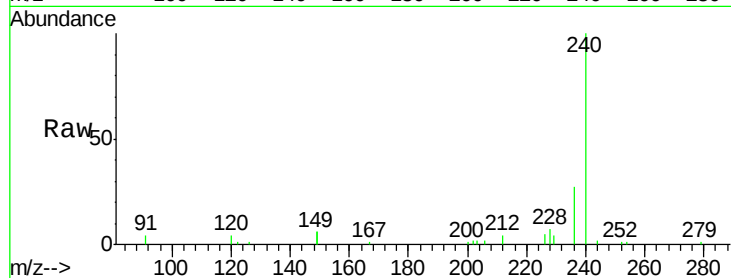
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099449.D
Acq: 1 May 2019 5:26

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW025-042219

Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.8	4.0	6.0#
236	27.2	22.0	33.0

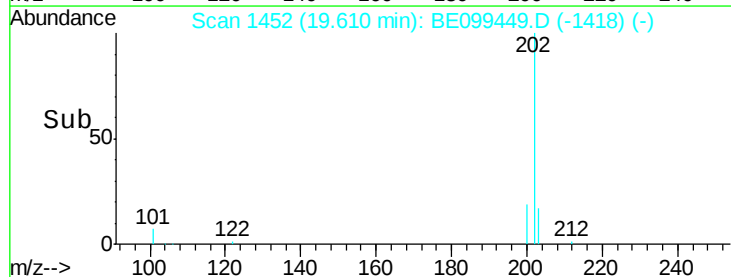
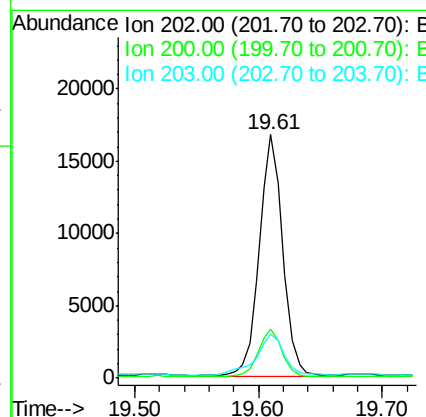
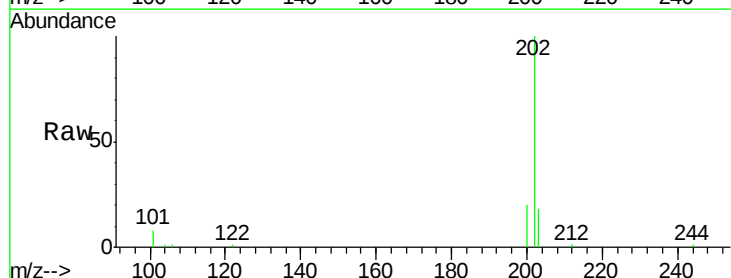
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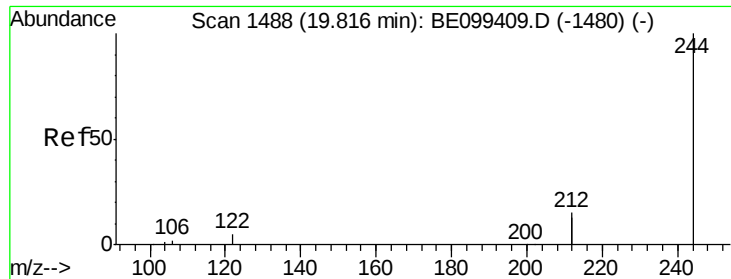
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#28
Pyrene
Concen: 0.267 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099449.D
Acq: 1 May 2019 5:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	20.7	13.9	20.9





#29

Terphenyl-d14

Concen: 0.422 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099449.D

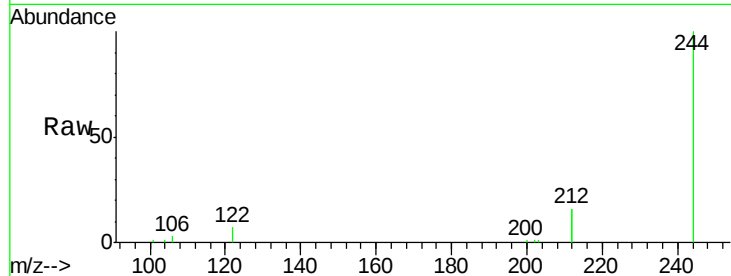
Acq: 1 May 2019 5:26

Instrument :

BNA_E

ClientSampleId :

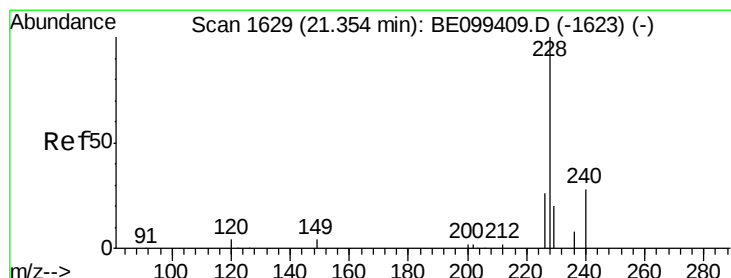
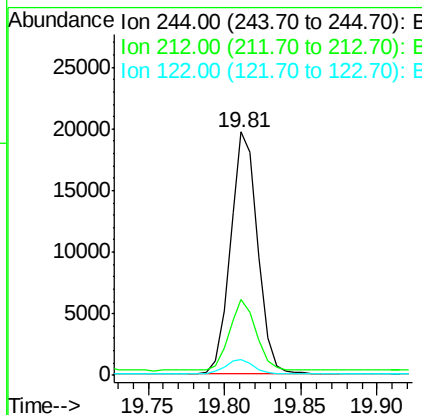
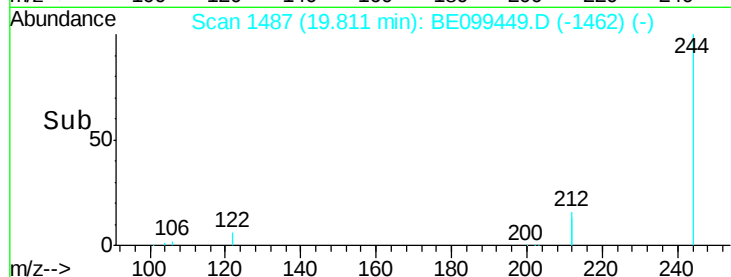
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Tgt Ion:	244	Resp:	24532
Ion Ratio	Lower	Upper	
244	100		
212	31.3	23.2	34.8
122	6.7	4.2	6.4

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#30

Benzo(a)anthracene

Concen: 0.111 ng

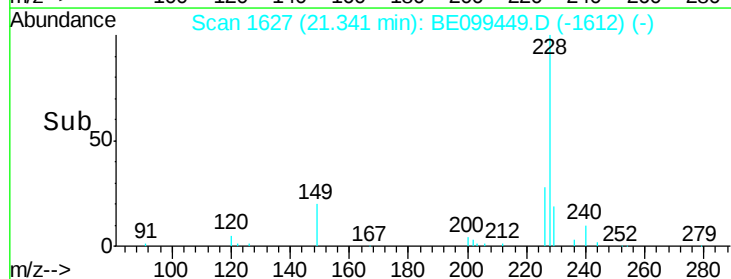
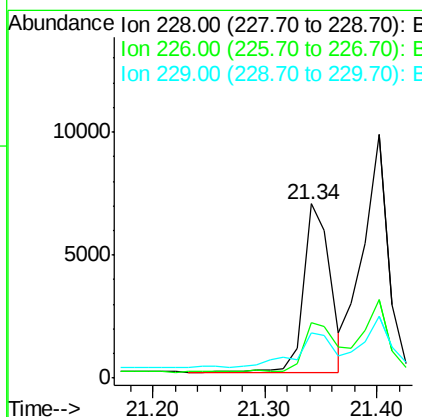
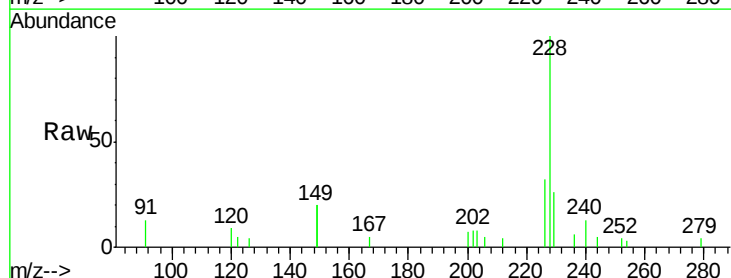
RT: 21.34 min Scan# 1627

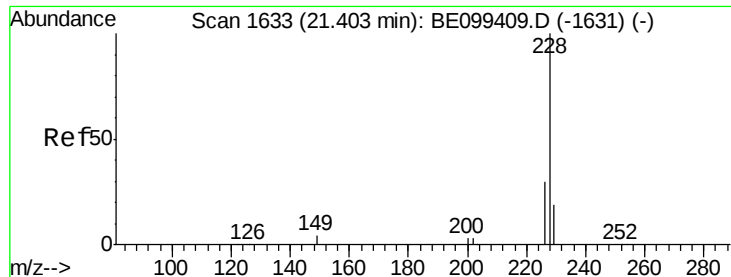
Delta R.T. -0.01 min

Lab File: BE099449.D

Acq: 1 May 2019 5:26

Tgt Ion:	228	Resp:	11276
Ion Ratio	Lower	Upper	
228	100		
226	31.5	21.0	31.6
229	26.1	16.6	25.0





#31

Chrysene

Concen: 0.151 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099449.D

Acq: 1 May 2019 5:26

Instrument :

BNA_E

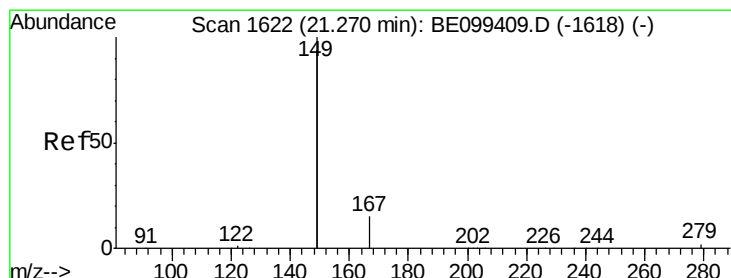
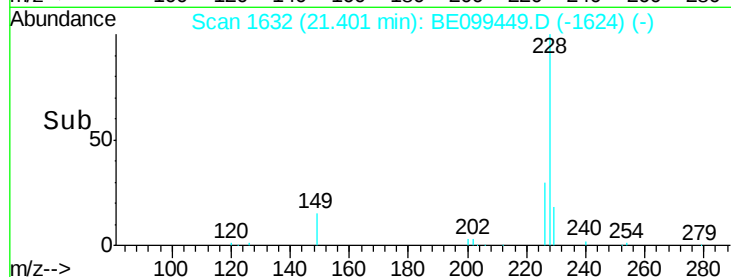
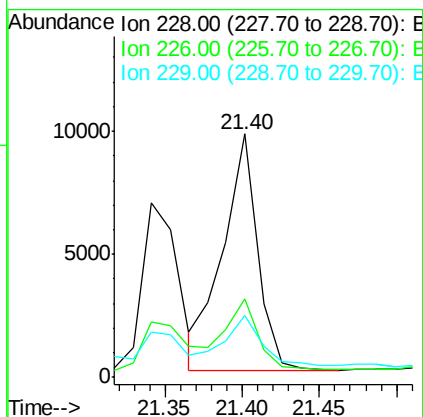
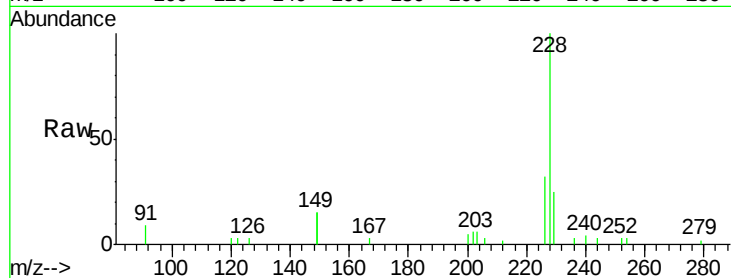
ClientSampleId :

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Tgt Ion:	228	Resp:	14980
Ion Ratio	Lower	Upper	
228	100		
226	32.0	24.0	36.0
229	25.3	15.8	23.8#

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.142 ng

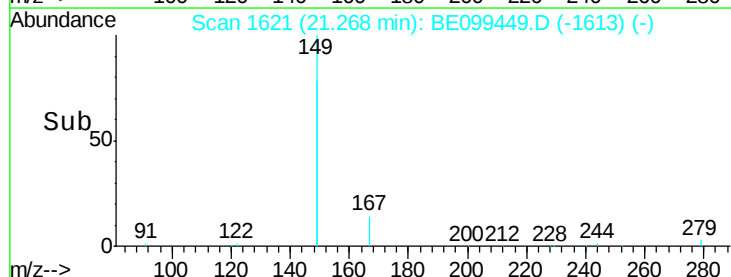
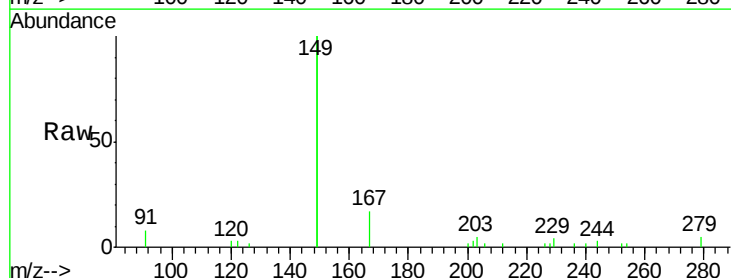
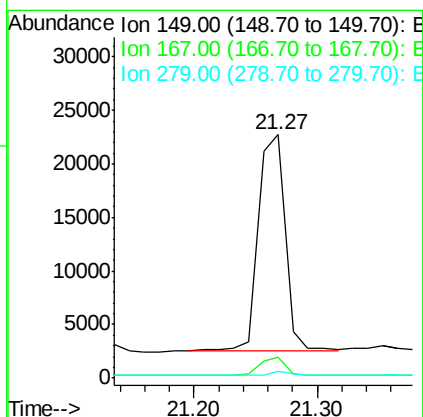
RT: 21.27 min Scan# 1621

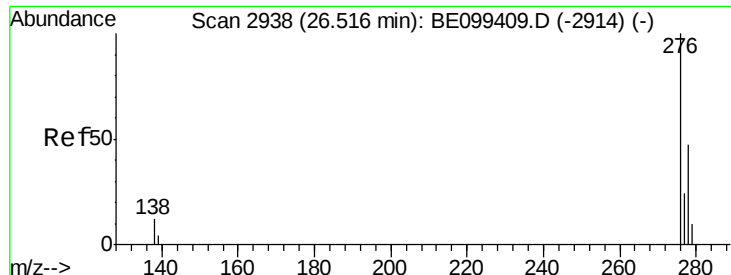
Delta R.T. -0.00 min

Lab File: BE099449.D

Acq: 1 May 2019 5:26

Tgt Ion:	149	Resp:	30507
Ion Ratio	Lower	Upper	
149	100		
167	7.5	5.8	8.6
279	1.8	1.0	1.6#





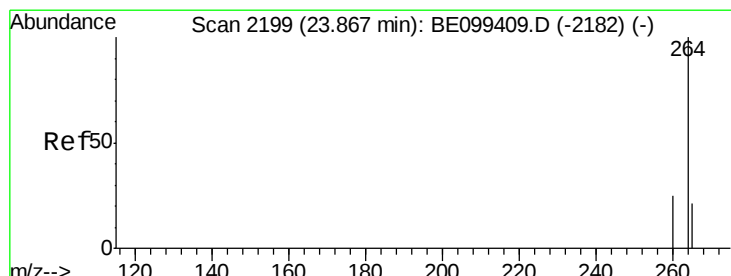
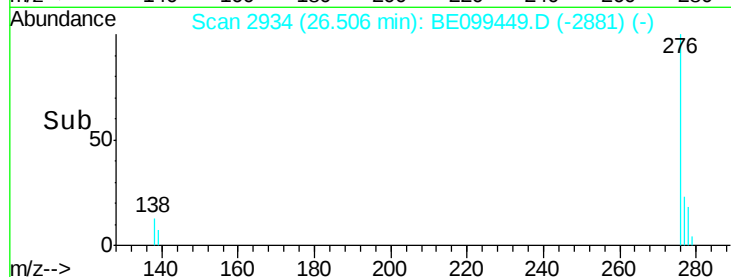
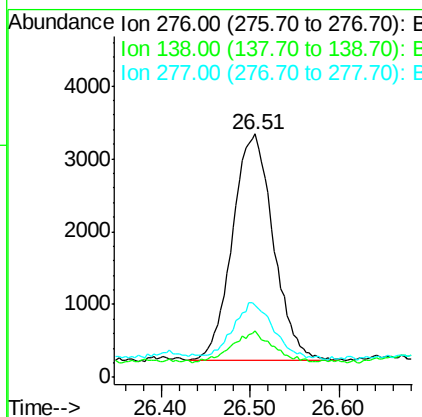
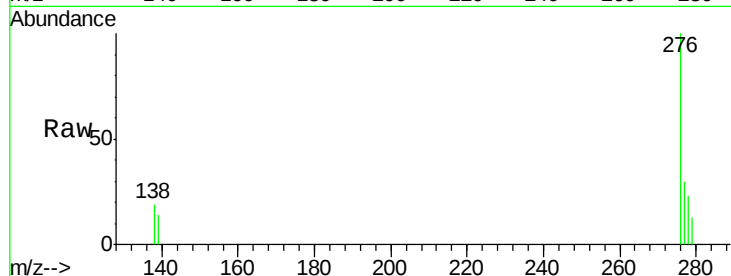
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.085 ng
 RT: 26.51 min Scan# 2934
 Delta R.T. -0.01 min
 Lab File: BE099449.D
 Acq: 1 May 2019 5:26

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW025-042219

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.7	10.2	15.2
277	22.8	19.2	28.8

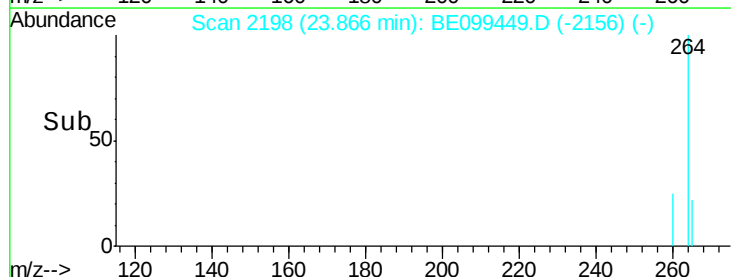
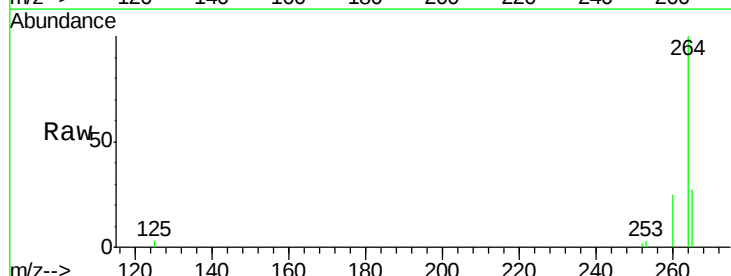
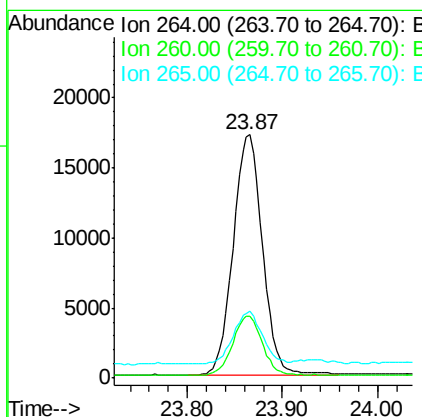
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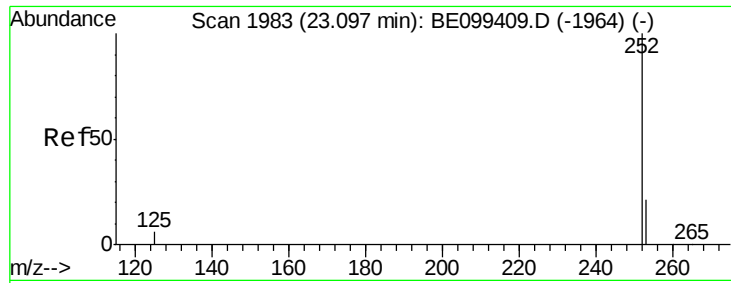
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099449.D
 Acq: 1 May 2019 5:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.2	30.2
265	27.3	21.3	31.9





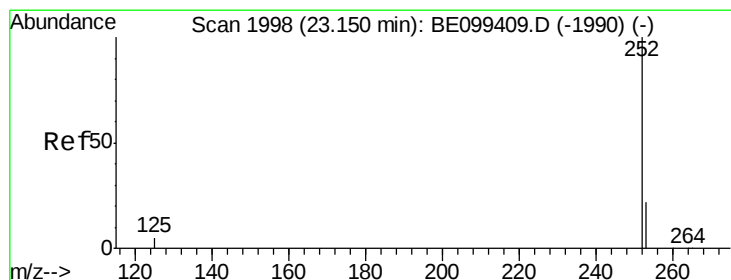
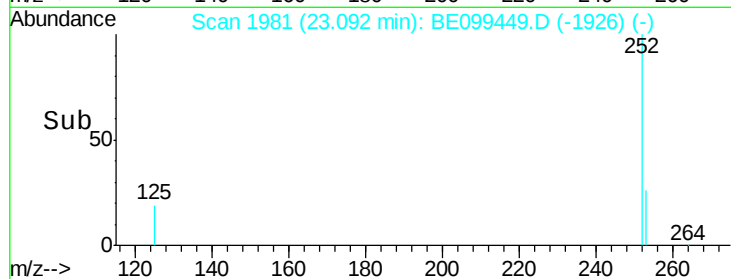
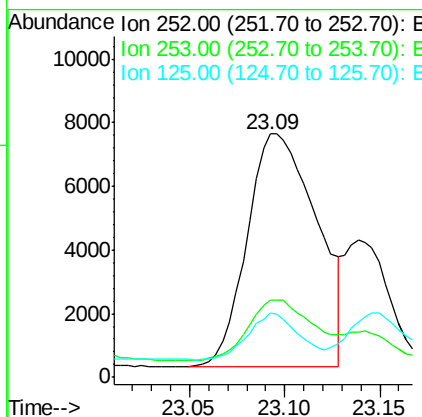
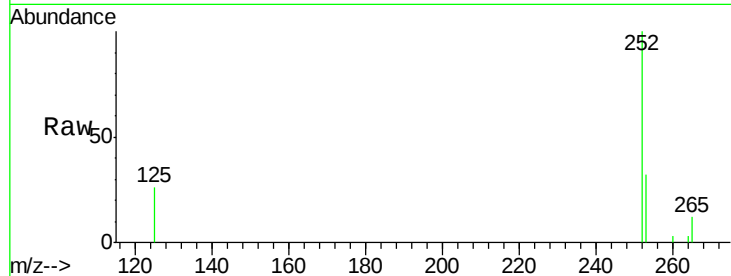
#35
Benzo(b)fluoranthene
Concen: 0.177 ng
RT: 23.09 min Scan# 1981
Delta R.T. -0.00 min
Lab File: BE099449.D
Acq: 1 May 2019 5:26

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW025-042219

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.8	18.1	27.1#
125	26.3	5.6	8.4#

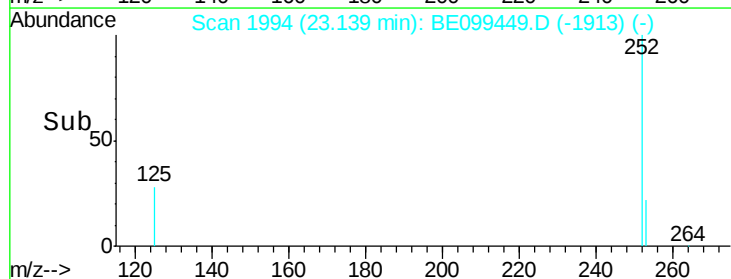
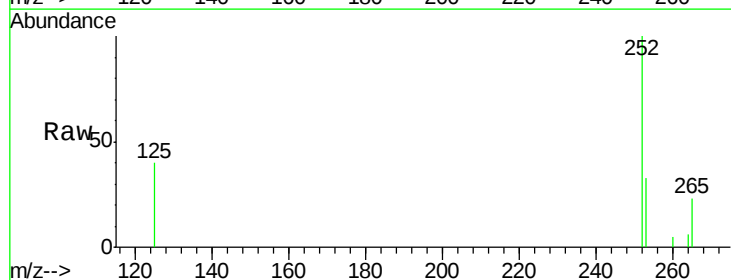
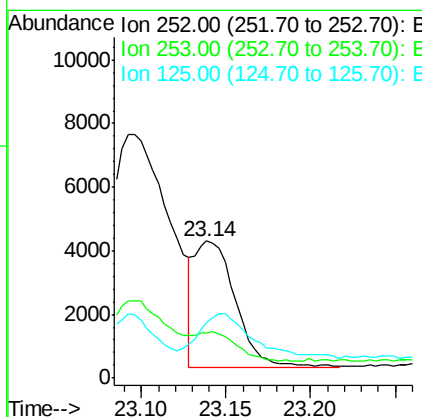
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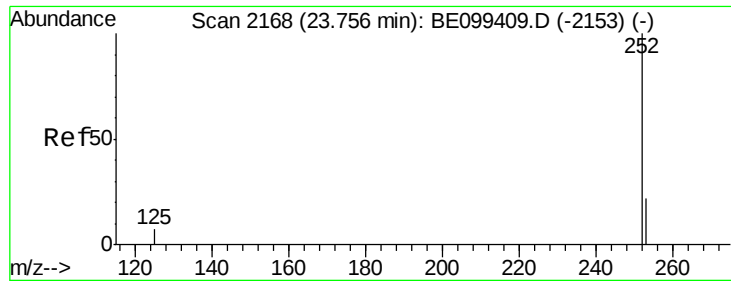
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#36
Benzo(k)fluoranthene
Concen: 0.066 ng m
RT: 23.14 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BE099449.D
Acq: 1 May 2019 5:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.3	18.4	27.6#
125	40.3	5.0	7.4#





#37

Benzo(a)pyrene

Concen: 0.121 ng

RT: 23.75 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BE099449.D

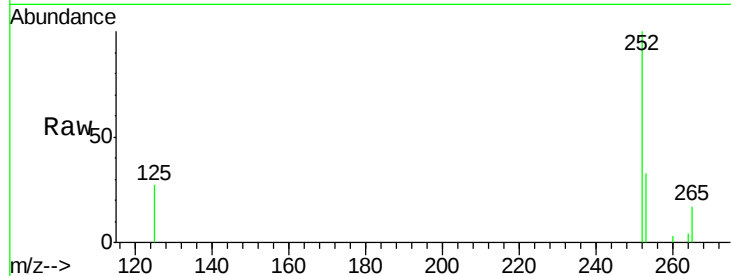
Acq: 1 May 2019 5:26

Instrument :

BNA_E

ClientSampleId :

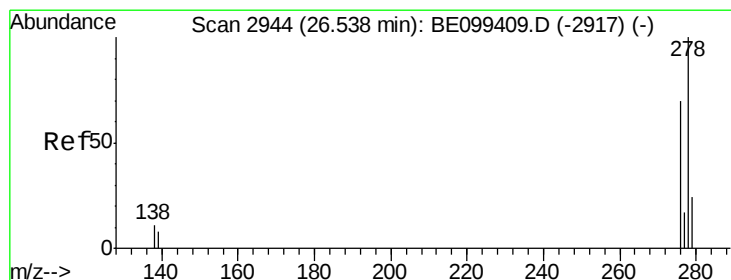
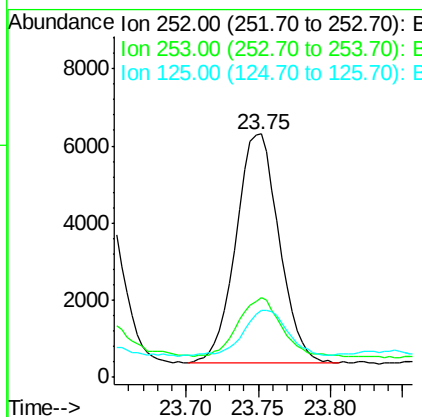
EXT-026-SW025-042219



Tgt Ion:	252	Resp:	12105
Ion Ratio	Lower	Upper	
252	100		
253	33.0	18.9	28.3#
125	27.3	6.7	10.1#

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#38

Dibenzo(a,h)anthracene

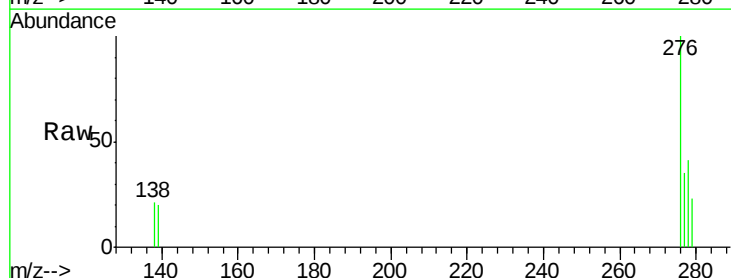
Concen: 0.024 ng

RT: 26.52 min Scan# 2939

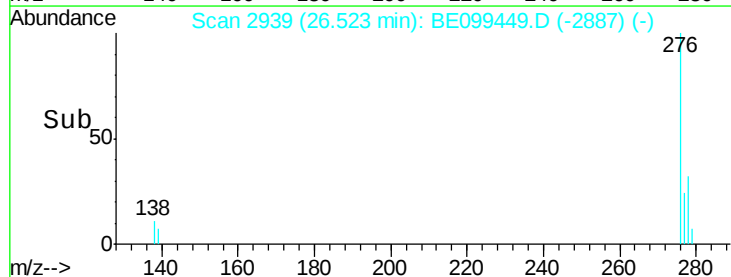
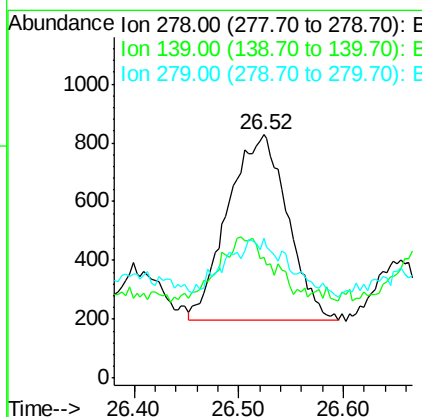
Delta R.T. -0.01 min

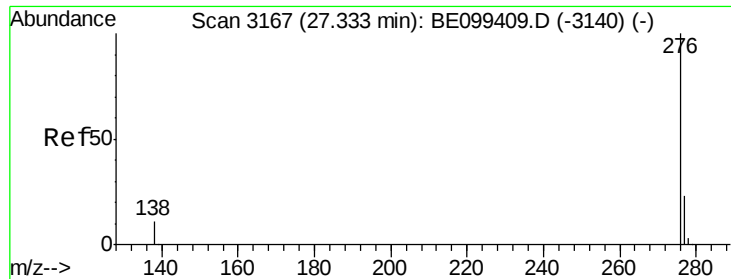
Lab File: BE099449.D

Acq: 1 May 2019 5:26



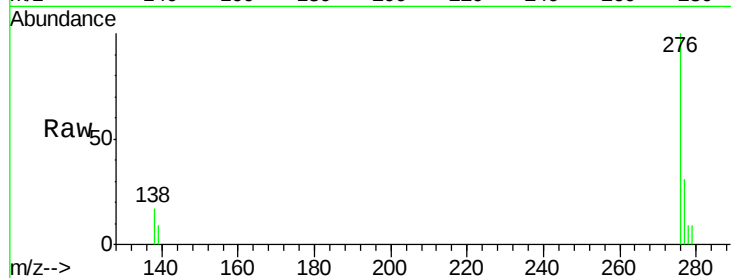
Tgt Ion:	278	Resp:	2485
Ion Ratio	Lower	Upper	
278	100		
139	49.8	7.7	11.5#
279	57.2	20.2	30.2#





#39
 Benzo(g,h,i)perylene
 Concen: 0.101 ng
 RT: 27.33 min Scan# 3164
 Delta R.T. -0.01 min
 Lab File: BE099449.D
 Acq: 1 May 2019 5:26

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW025-042219



Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.8	19.5	29.3#
138	16.9	9.6	14.4#

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