

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099443.D
 Acq On : 1 May 2019 1:51
 Operator : JU/SJ
 Sample : K2568-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW044-042219

Manual Integrations
 APPROVED

Sohil
 5/1/2019 12:03:16 PM

Quant Time: May 01 07:17:34 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	7.81	152	2361	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	9337	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	7412	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	23190	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29078	0.40	ng	0.00
34) Perylene-d12	23.86	264	33242	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	1528	0.23	ng	0.00
5) Phenol-d6	6.97	99	2399	0.28	ng	0.00
8) Nitrobenzene-d5	8.96	82	1963	0.22	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	3724	0.22	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1221	0.26	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	5605	0.20	ng	-0.02
25) Fluoranthene-d10	19.21	212	63898	0.20	ng	0.00
29) Terphenyl-d14	19.81	244	13843	0.26	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.18	152	1341	0.037	ng	98
23) Phenanthrene	17.23	178	12785	0.214	ng	100
26) Fluoranthene	19.25	202	33550	0.374	ng	100
28) Pyrene	19.61	202	32136	0.424	ng	96
30) Benzo(a)anthracene	21.34	228	17153m	0.185	ng	
31) Chrysene	21.40	228	23154	0.255	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.27	149	18269	0.068	ng	97
33) Indeno(1,2,3-cd)pyrene	26.51	276	12733	0.119	ng	99
35) Benzo(b)fluoranthene	23.09	252	27027	0.282	ng	# 79
36) Benzo(k)fluoranthene	23.14	252	8886m	0.096	ng	
37) Benzo(a)pyrene	23.75	252	15536	0.171	ng	# 79
38) Dibenzo(a,h)anthracene	26.51	278	3381	0.036	ng	# 22
39) Benzo(g,h,i)perylene	27.32	276	12508	0.135	ng	# 87

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

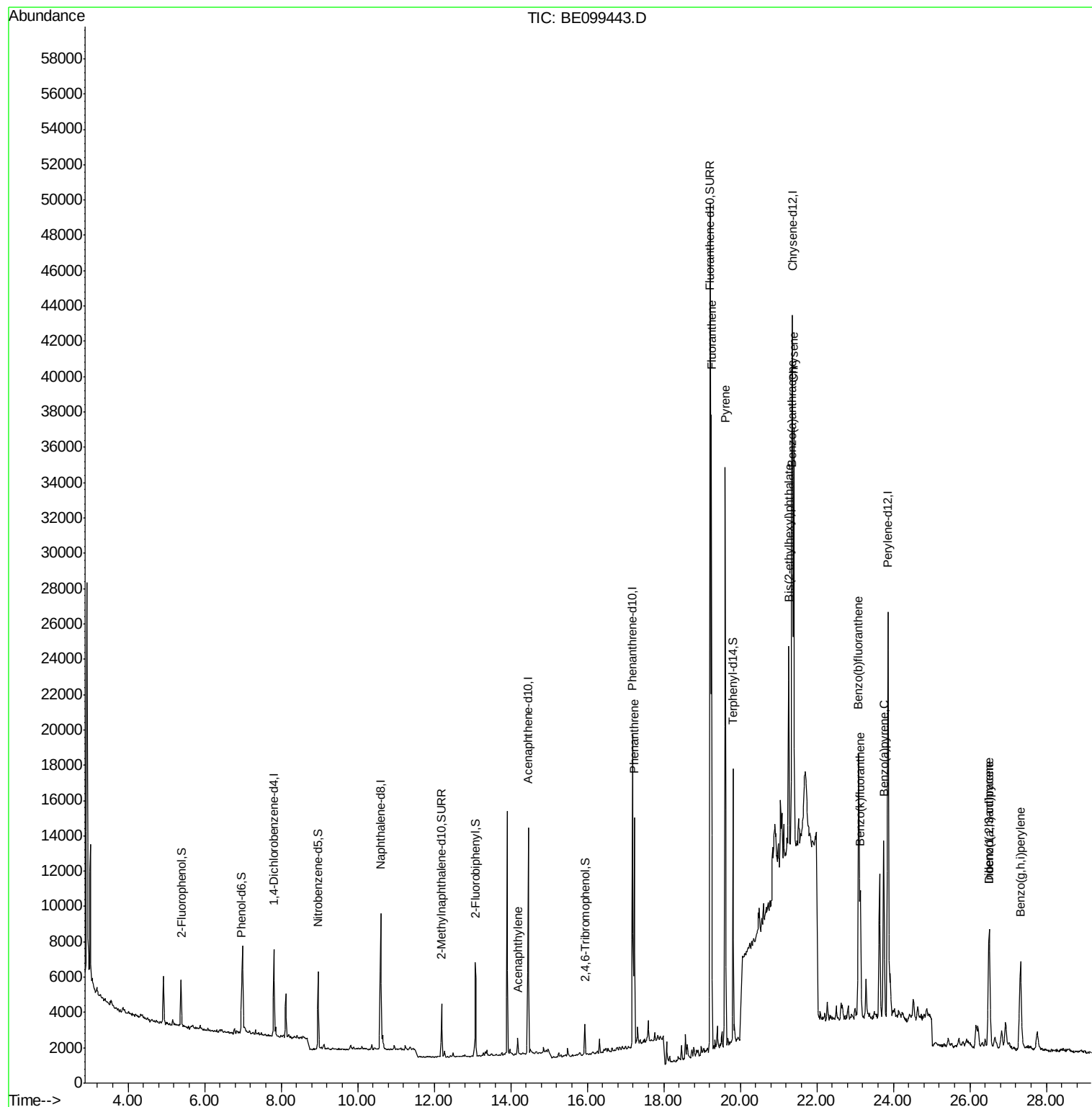
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
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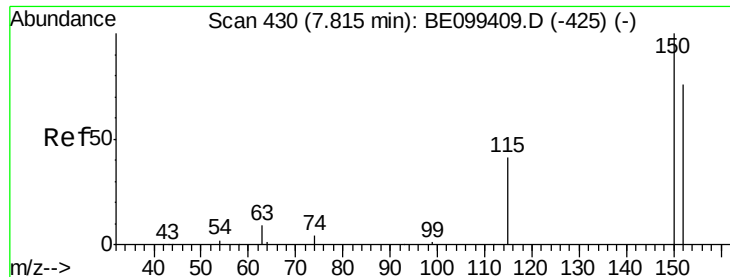
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099443.D

Acq: 1 May 2019 1:51

Instrument :

BNA_E

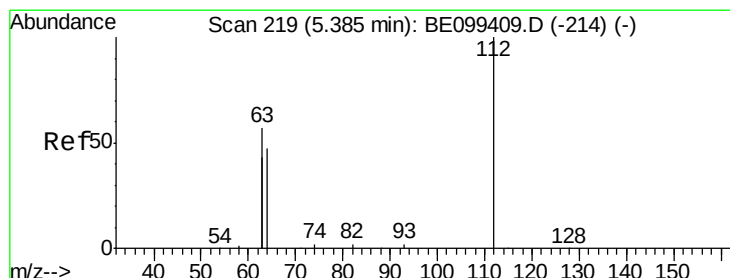
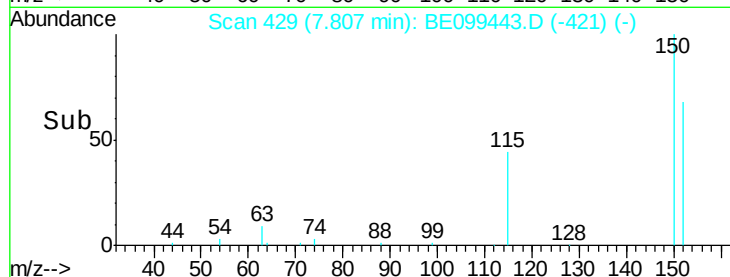
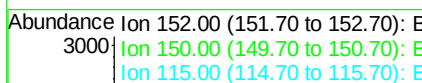
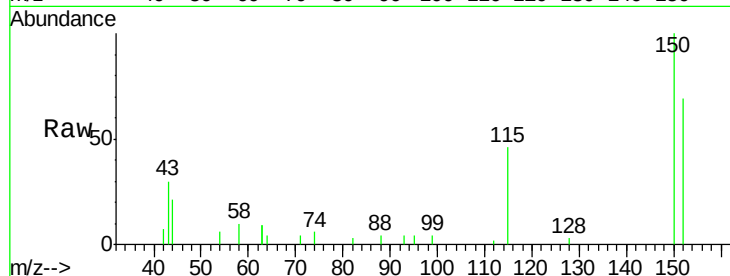
ClientSampleId :

EXT-026-SW044-042219

Tgt Ion:	152	Resp:	2361
Ion Ratio	Lower	Upper	
152	100		
150	145.2	104.8	157.2
115	66.4	46.6	69.8

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#4

2-Fluorophenol

Concen: 0.234 ng

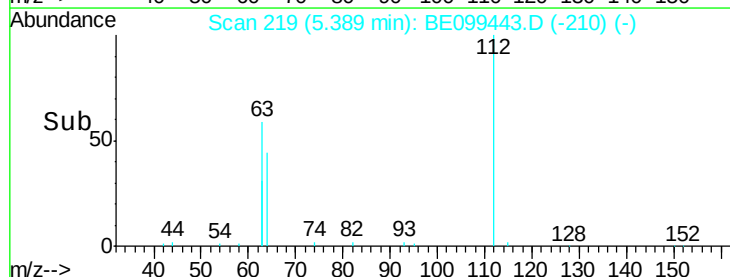
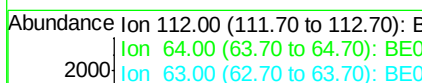
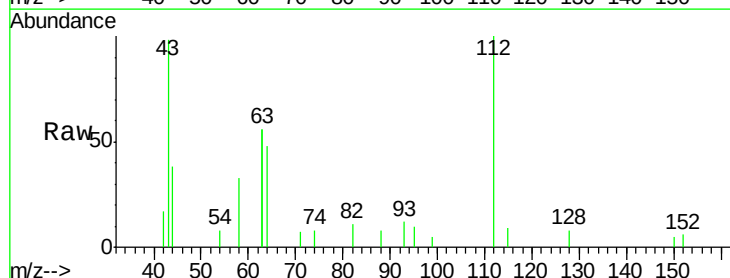
RT: 5.39 min Scan# 219

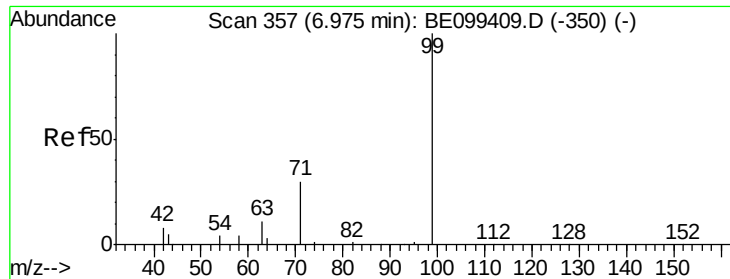
Delta R.T. 0.00 min

Lab File: BE099443.D

Acq: 1 May 2019 1:51

Tgt Ion:	112	Resp:	1528
Ion Ratio	Lower	Upper	
112	100		
64	57.9	47.4	71.0
63	136.3	104.3	156.5





#5

Phenol-d6

Concen: 0.276 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099443.D

Acq: 1 May 2019 1:51

Instrument :

BNA_E

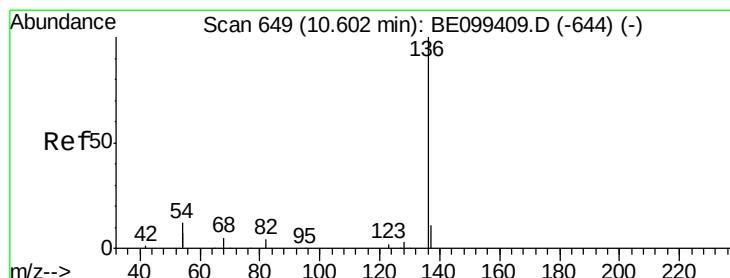
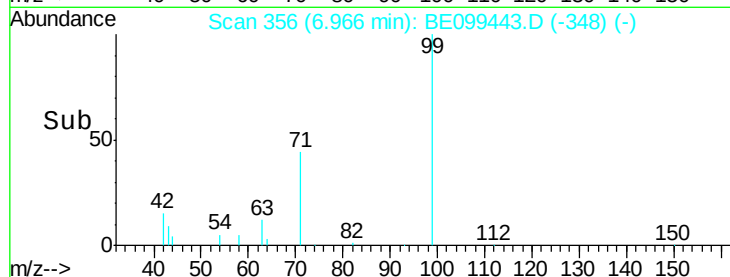
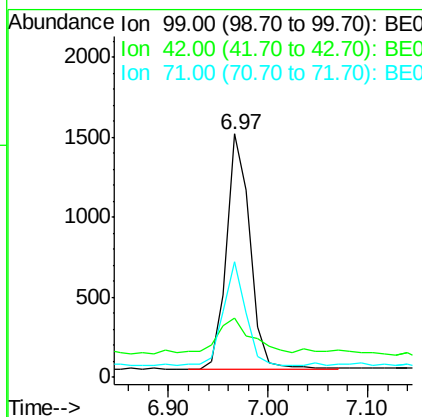
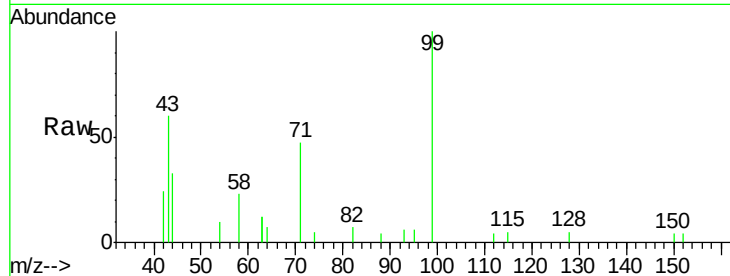
ClientSampleId :

EXT-026-SW044-042219

Tgt Ion:	99	Resp:	2399
Ion	Ratio	Lower	Upper
99	100		
42	20.8	14.9	22.3
71	42.9	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

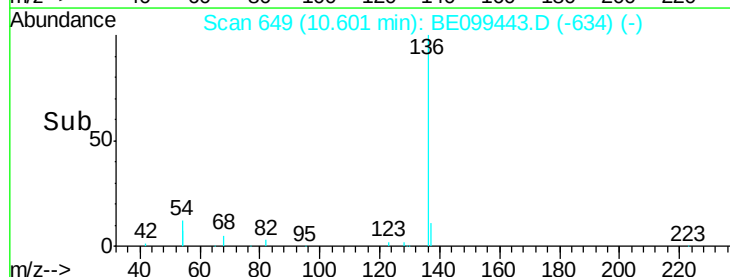
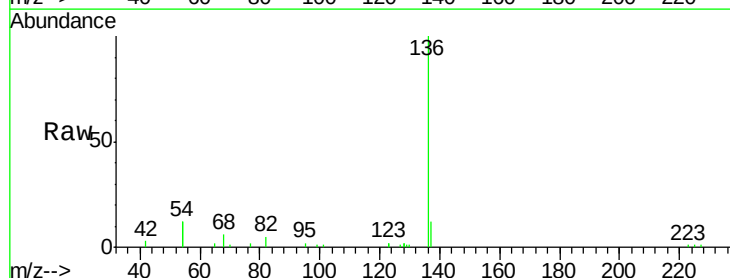
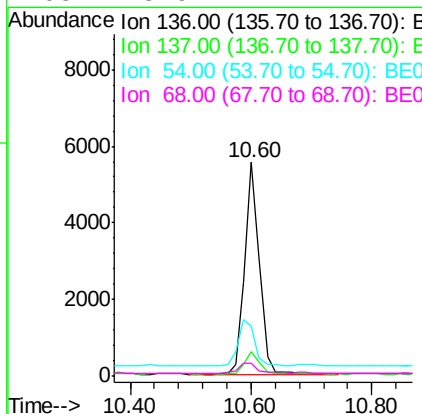
RT: 10.60 min Scan# 649

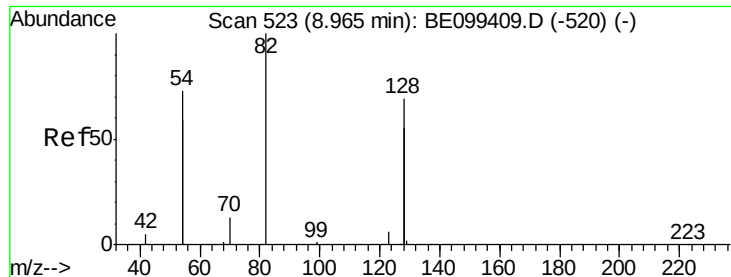
Delta R.T. -0.00 min

Lab File: BE099443.D

Acq: 1 May 2019 1:51

Tgt Ion:	136	Resp:	9337
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.8	14.8
54	23.3	18.5	27.7
68	5.9	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.224 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099443.D

Acq: 1 May 2019 1:51

Instrument :

BNA_E

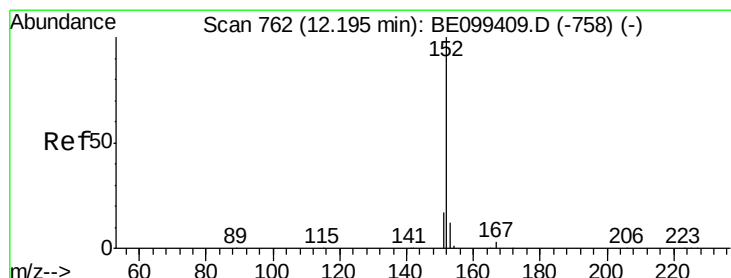
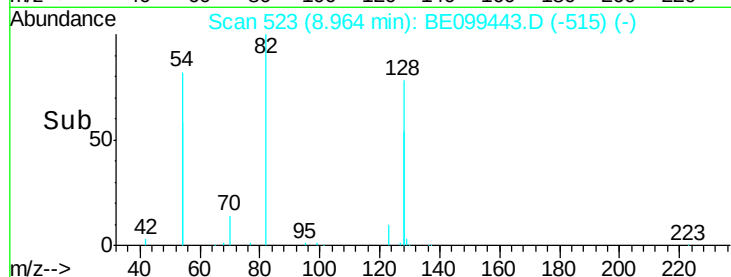
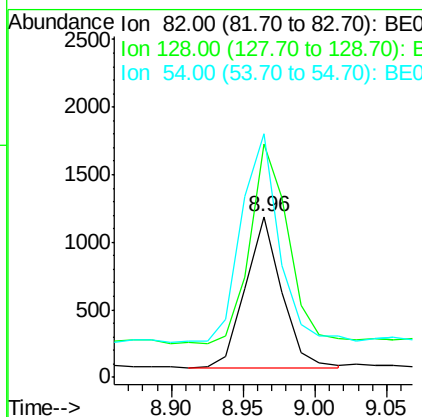
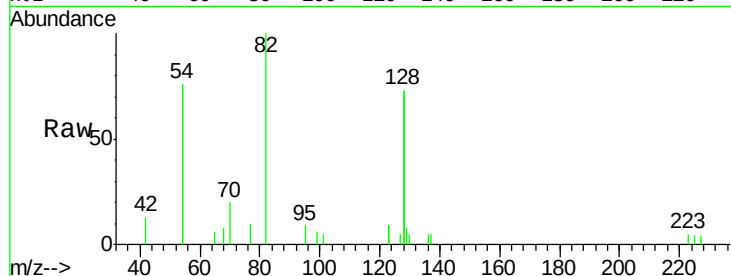
ClientSampleId :

EXT-026-SW044-042219

Tgt Ion:	82	Resp:	1963
Ion Ratio	Lower	Upper	
82	100		
128	145.3	107.0	160.4
54	151.7	113.1	169.7

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#11

2-Methylnaphthalene-d10

Concen: 0.221 ng

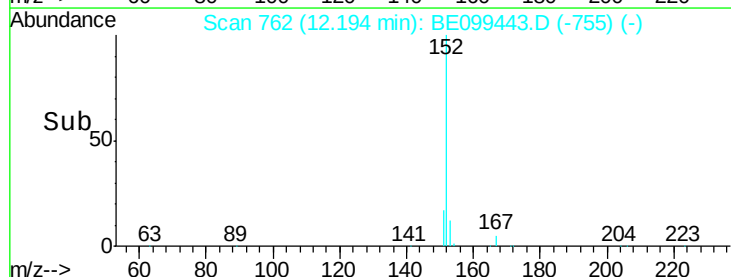
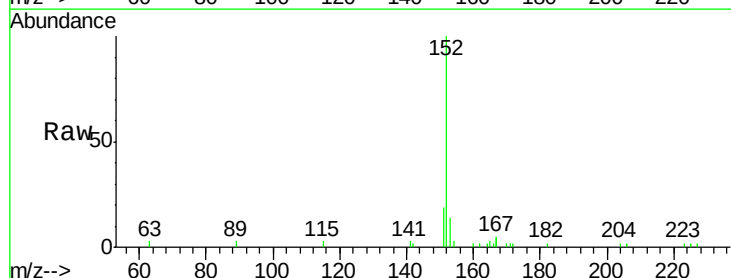
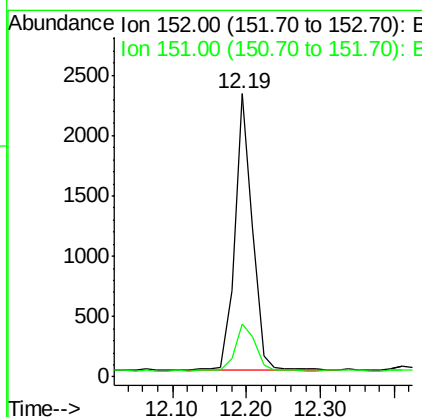
RT: 12.19 min Scan# 762

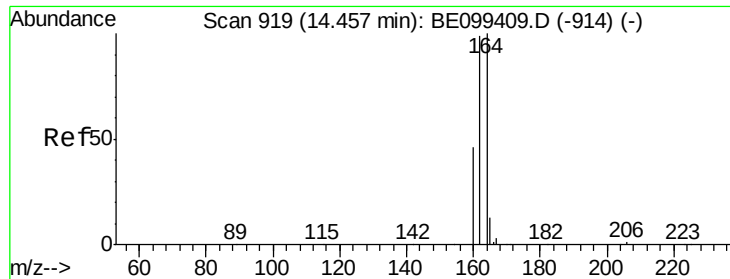
Delta R.T. -0.00 min

Lab File: BE099443.D

Acq: 1 May 2019 1:51

Tgt Ion:	152	Resp:	3724
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.5	23.3





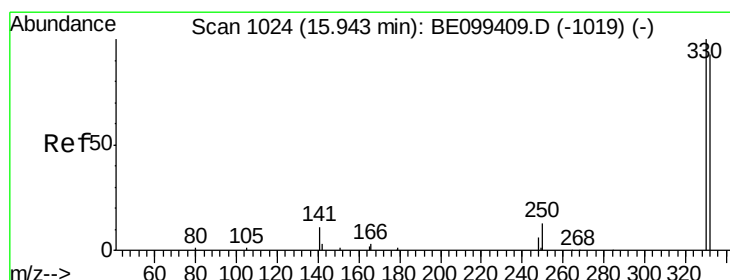
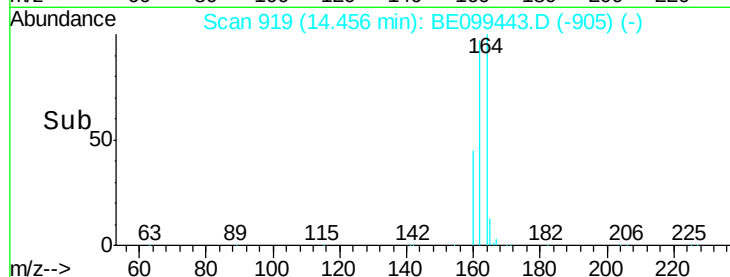
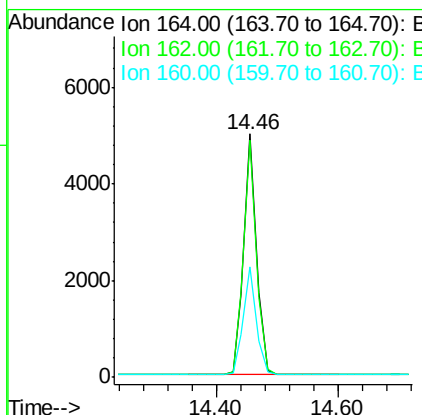
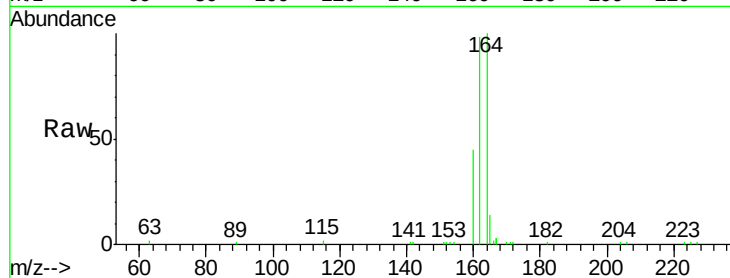
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099443.D
Acq: 1 May 2019 1:51

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW044-042219

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.6	79.0	118.4
160	45.4	37.0	55.4

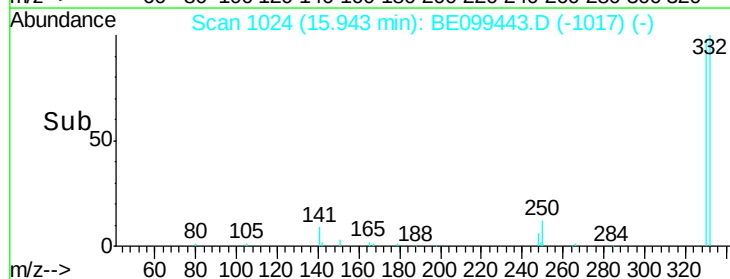
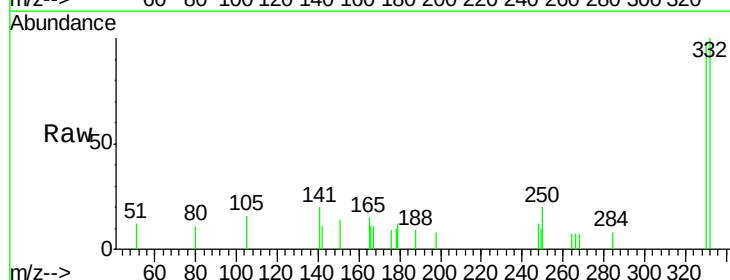
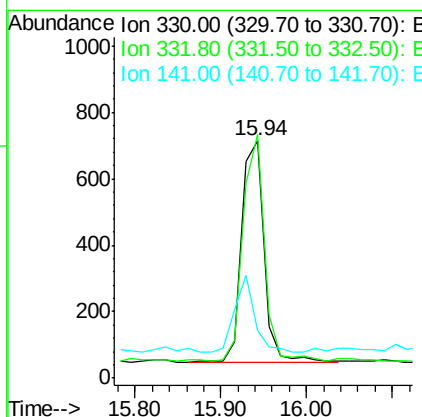
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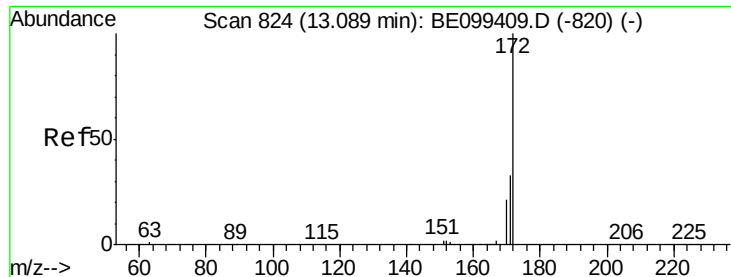
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#14
2,4,6-Tribromophenol
Concen: 0.262 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099443.D
Acq: 1 May 2019 1:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	71.5	107.3
141	30.8	24.0	36.0





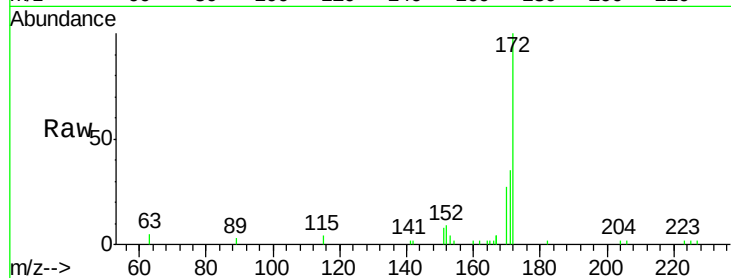
#15
2-Fluorobiphenyl
Concen: 0.198 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099443.D
Acq: 1 May 2019 1:51

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW044-042219

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	26.6	39.8
170	26.8	17.0	25.6

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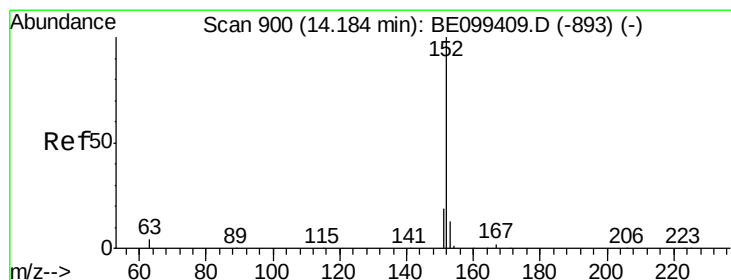
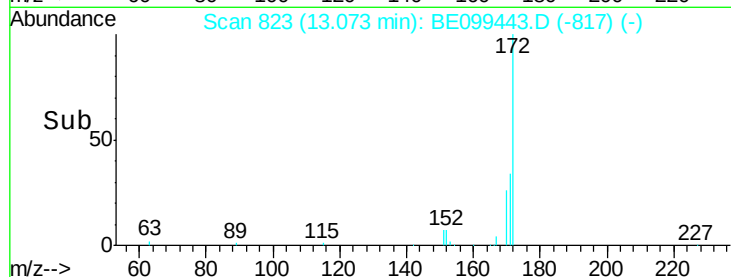
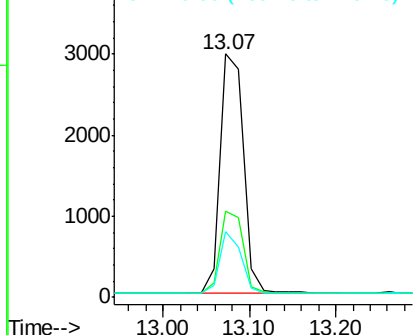


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.037 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099443.D
Acq: 1 May 2019 1:51

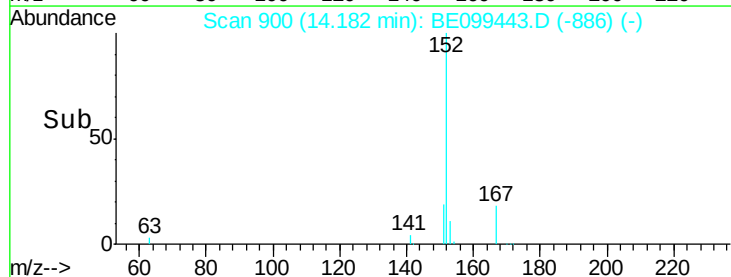
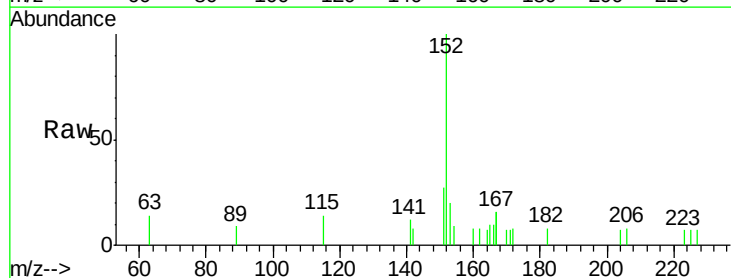
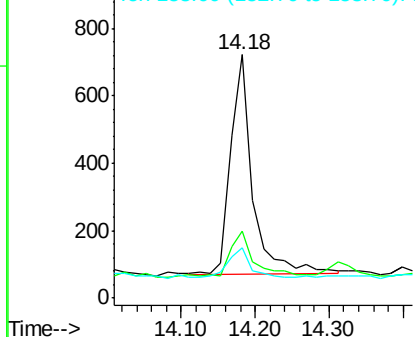
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.4	23.2
153	13.6	9.8	14.6

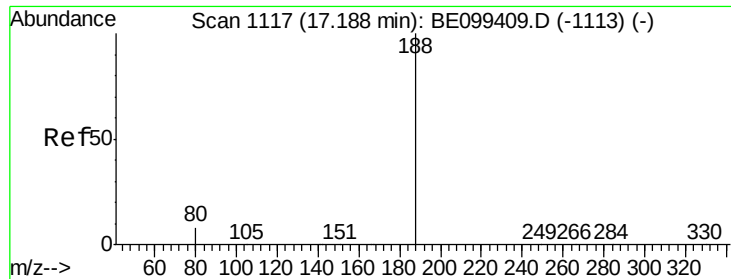
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





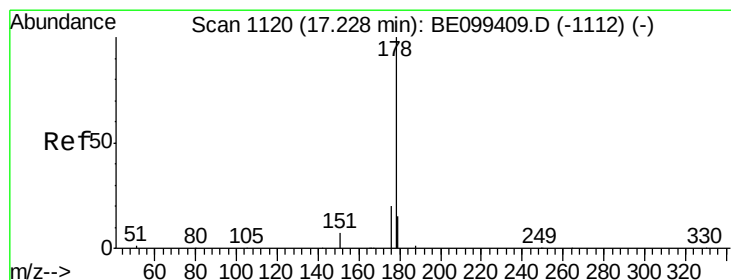
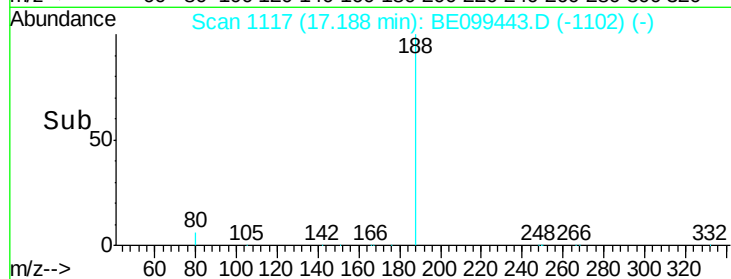
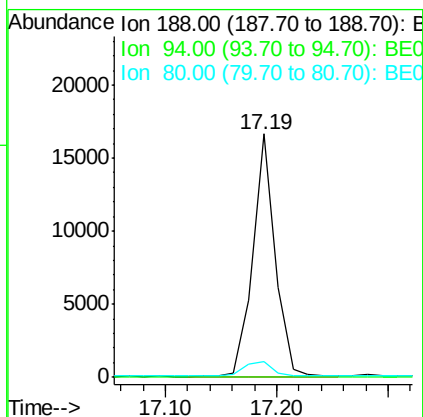
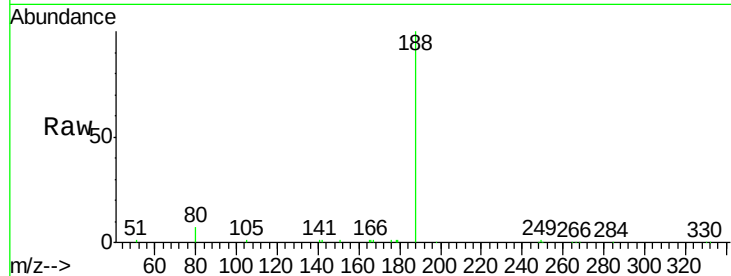
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099443.D
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	6.6	6.7	10.1

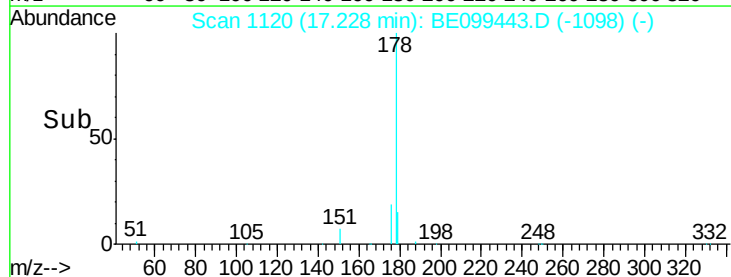
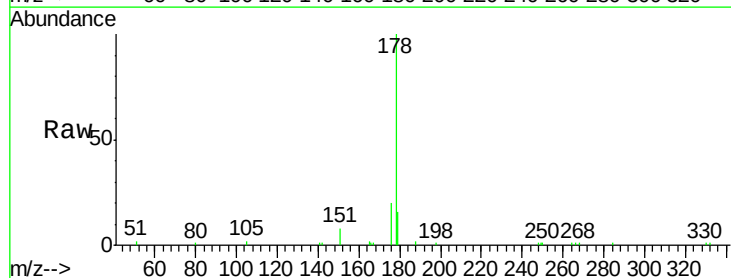
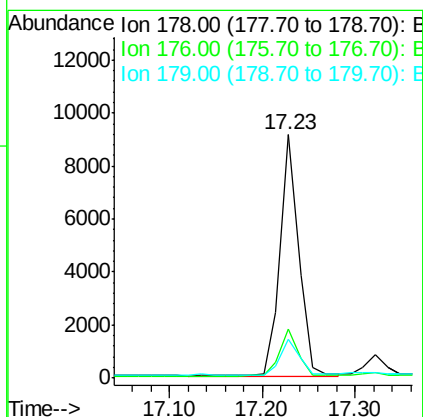
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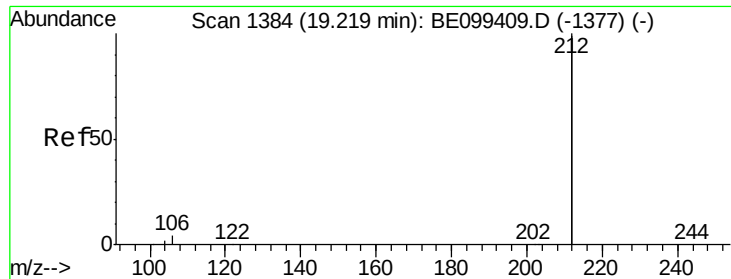
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#23
Phenanthrene
Concen: 0.214 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099443.D
Acq: 1 May 2019 1:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	15.6	23.4
179	15.1	12.0	18.0





#25

Fluoranthene-d10

Concen: 0.204 ng

RT: 19.21 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BE099443.D

Acq: 1 May 2019 1:51

Instrument :

BNA_E

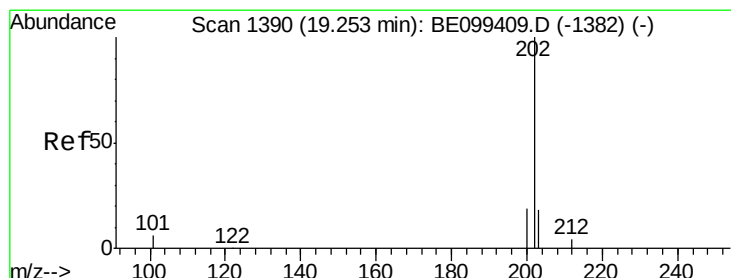
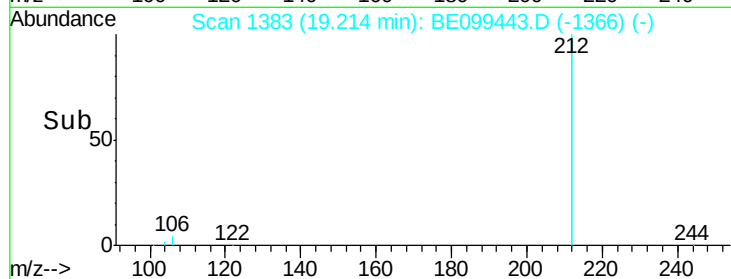
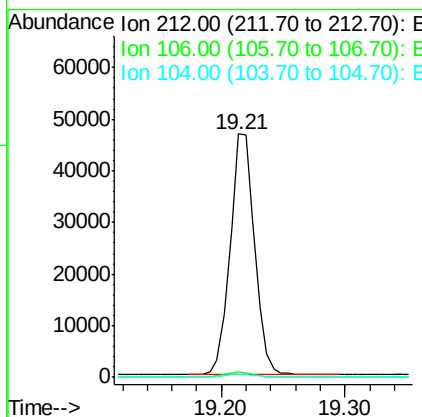
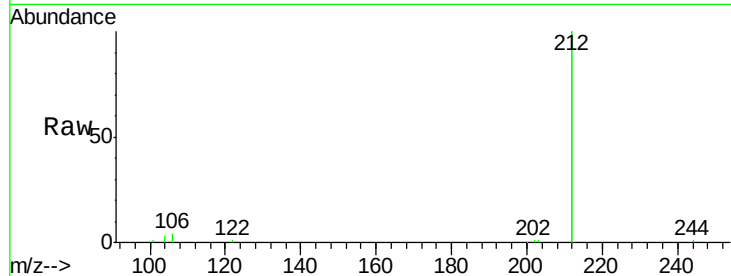
ClientSampleId :

EXT-026-SW044-042219

Tgt Ion	Ratio	Resp	Lower	Upper
212	100	63898		
106	1.9		1.5	2.3
104	1.3		0.9	1.3

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#26

Fluoranthene

Concen: 0.374 ng

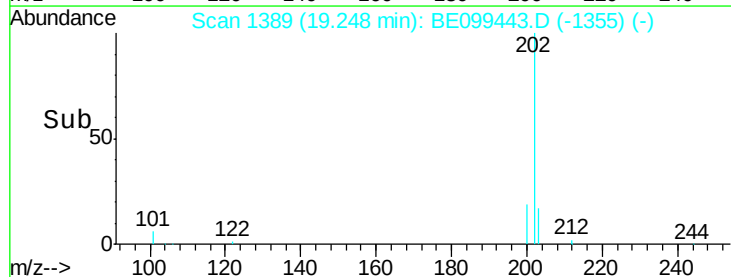
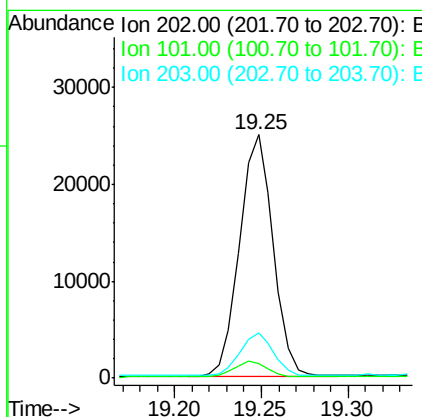
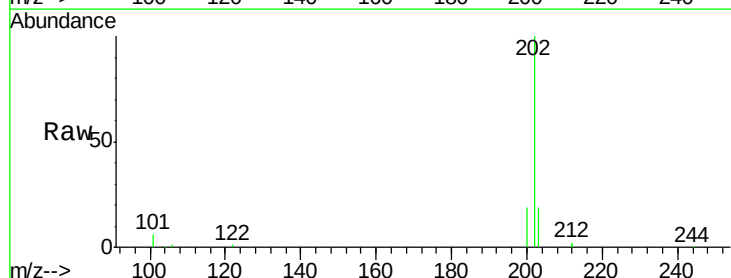
RT: 19.25 min Scan# 1389

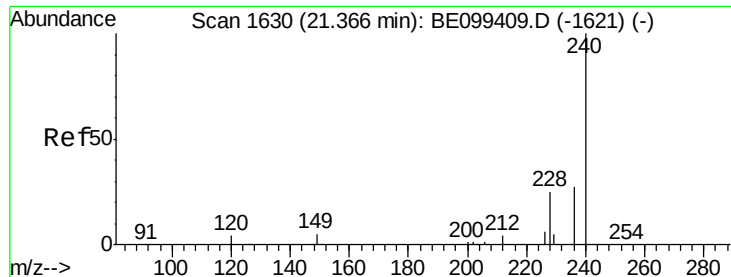
Delta R.T. -0.01 min

Lab File: BE099443.D

Acq: 1 May 2019 1:51

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	33550		
101	6.7		5.4	8.0
203	17.4		13.9	20.9





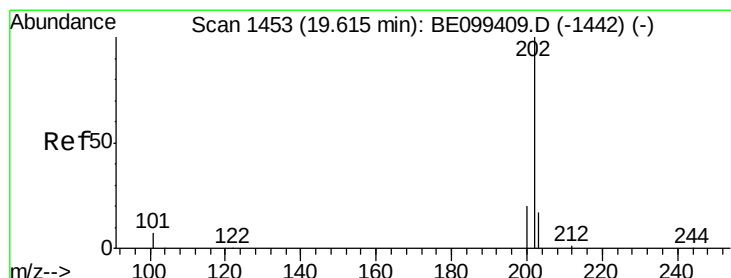
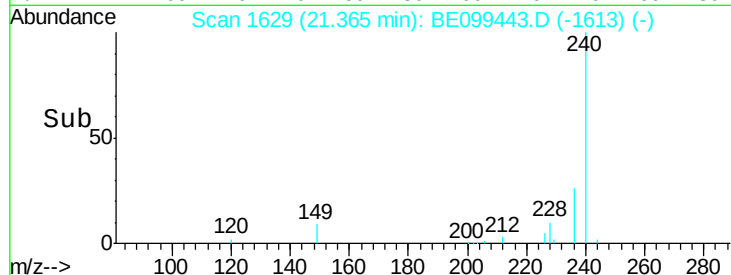
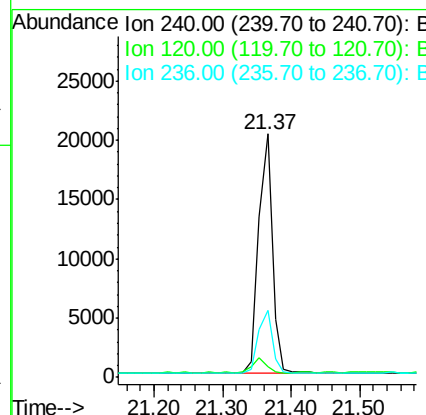
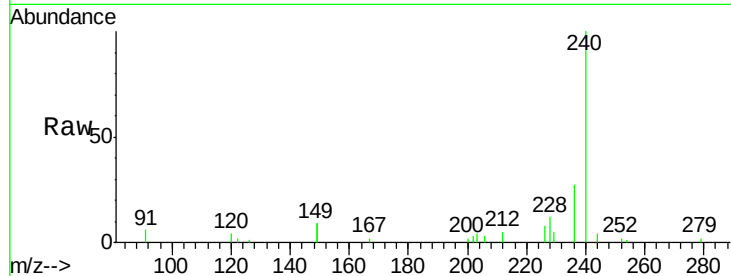
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099443.D
Acq: 1 May 2019 1:51

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW044-042219

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	29078		
120	4.3		4.0	6.0
236	27.3		22.0	33.0

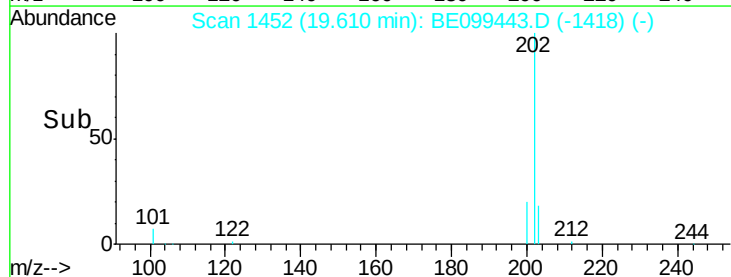
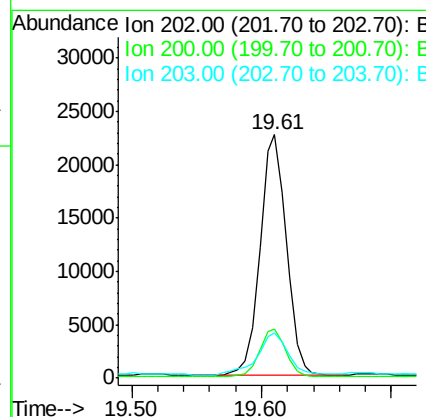
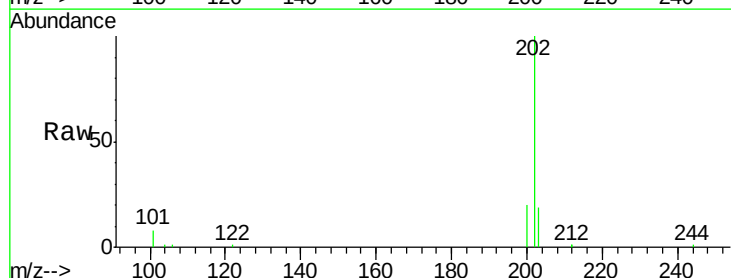
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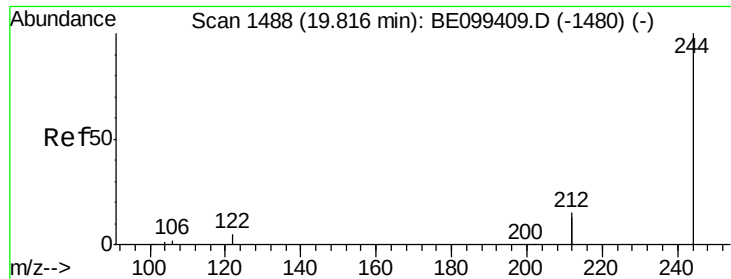
Sohil
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#28
Pyrene
Concen: 0.424 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099443.D
Acq: 1 May 2019 1:51

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	32136		
200	19.8		15.7	23.5
203	20.6		13.9	20.9





#29

Terphenyl-d14

Concen: 0.260 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099443.D

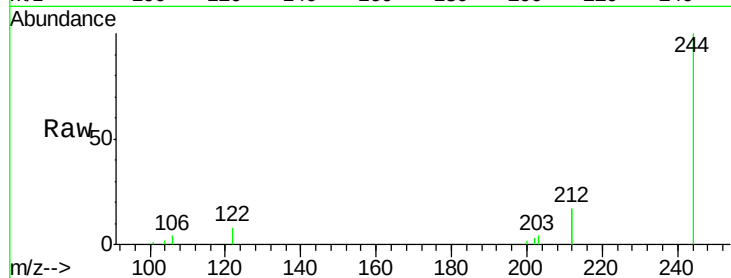
Acq: 1 May 2019 1:51

Instrument :

BNA_E

ClientSampleId :

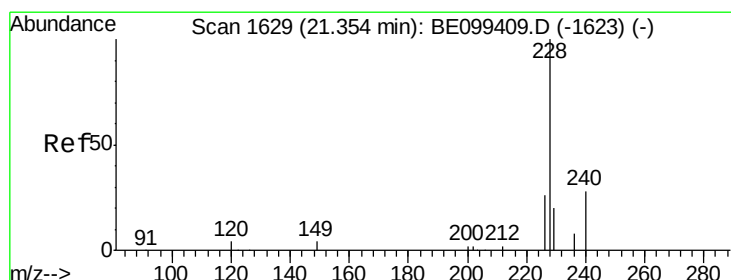
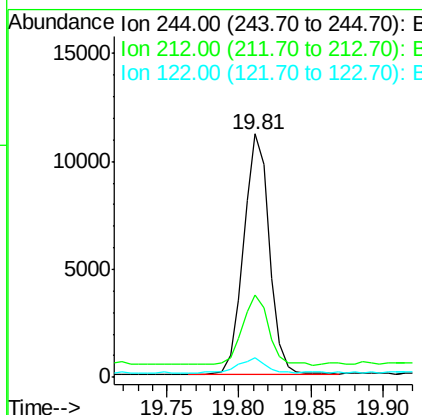
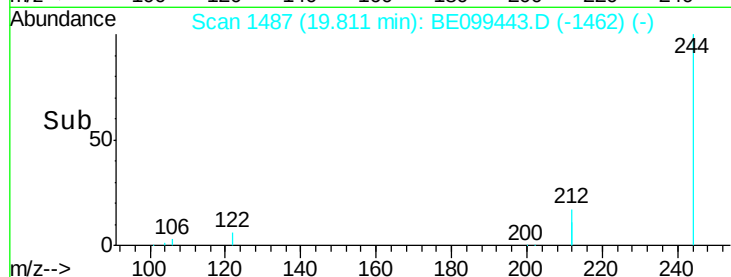
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Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	33.8	23.2	34.8	
122	8.0	4.2	6.4	

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#30

Benzo(a)anthracene

Concen: 0.185 ng m

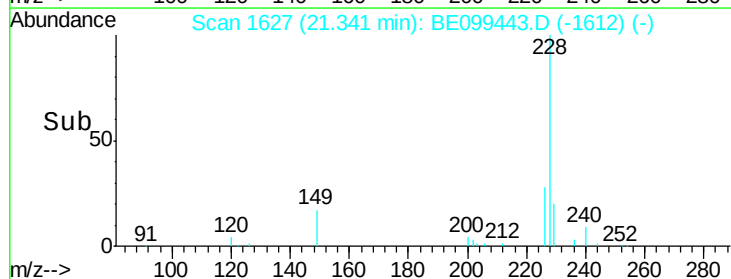
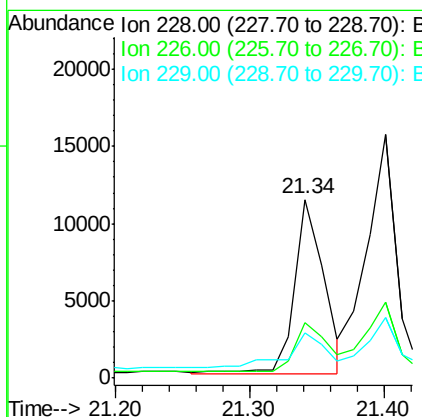
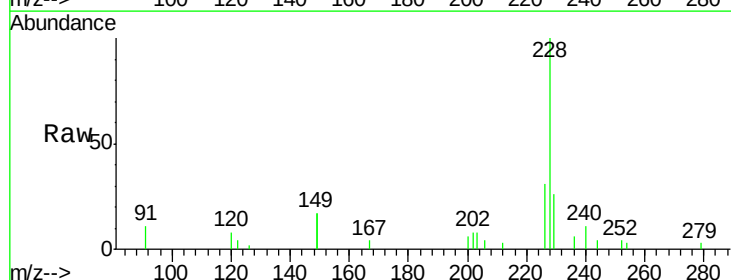
RT: 21.34 min Scan# 1627

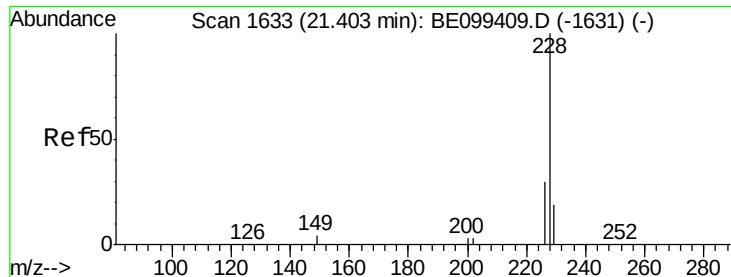
Delta R.T. -0.01 min

Lab File: BE099443.D

Acq: 1 May 2019 1:51

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	31.2	21.0	31.6	
229	25.5	16.6	25.0	





#31

Chrysene

Concen: 0.255 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099443.D

Acq: 1 May 2019 1:51

Instrument :

BNA_E

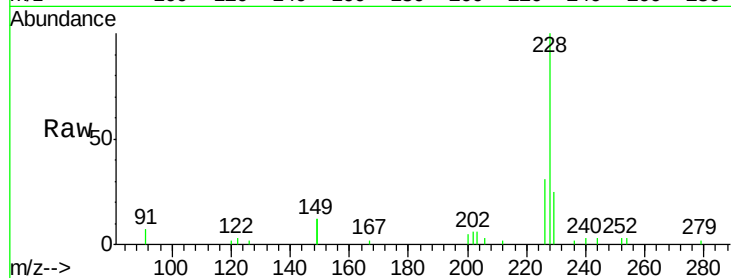
ClientSampleId :

EXT-026-SW044-042219

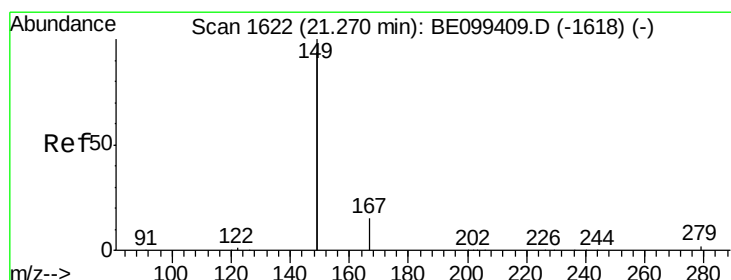
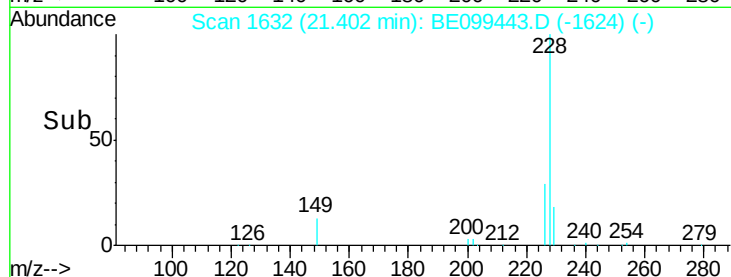
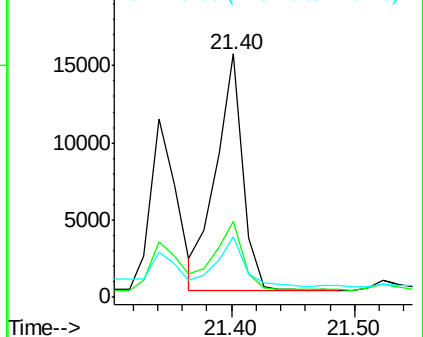
Tgt Ion:	228	Resp:	23154
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.0	36.0
229	24.6	15.8	23.8

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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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.068 ng

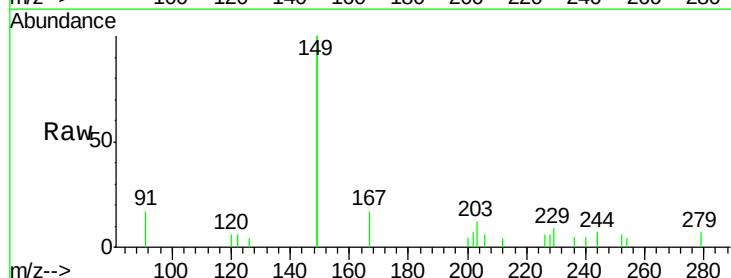
RT: 21.27 min Scan# 1621

Delta R.T. -0.00 min

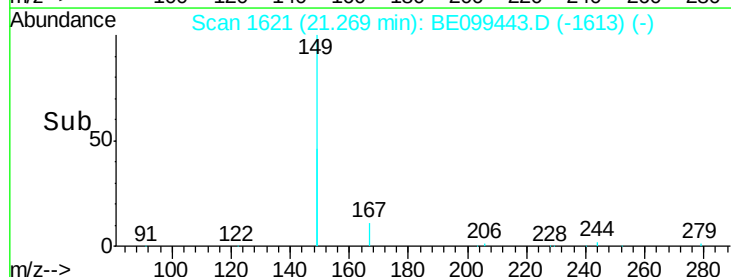
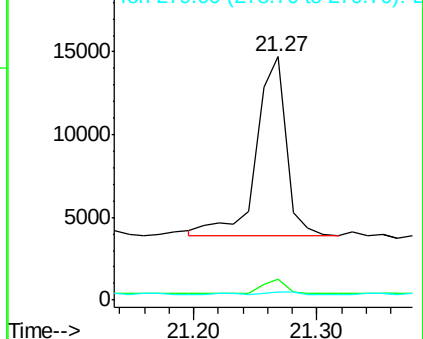
Lab File: BE099443.D

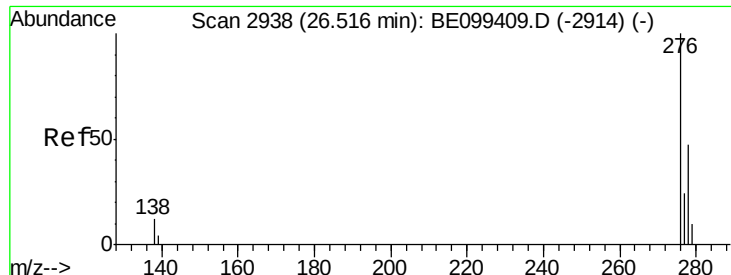
Acq: 1 May 2019 1:51

Tgt Ion:	149	Resp:	18269
Ion Ratio	Lower	Upper	
149	100		
167	6.1	5.8	8.6
279	1.2	1.0	1.6



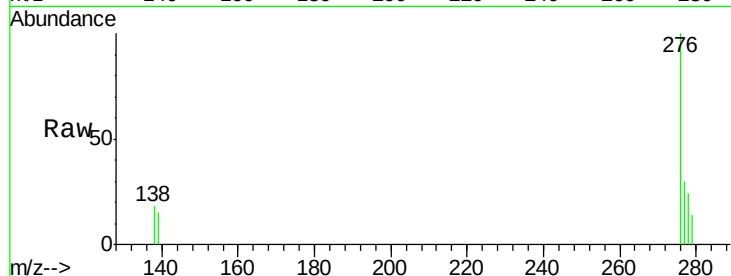
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.119 ng
 RT: 26.51 min Scan# 2934
 Delta R.T. -0.01 min
 Lab File: BE099443.D
 Acq: 1 May 2019 1:51

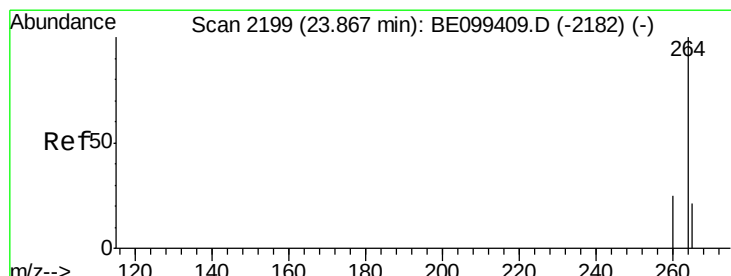
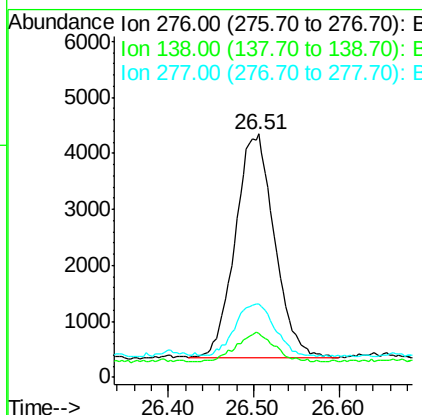
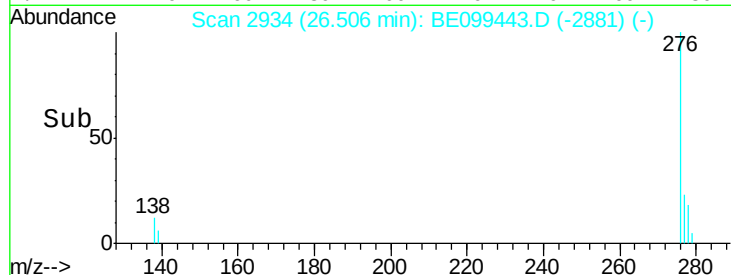
Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW044-042219



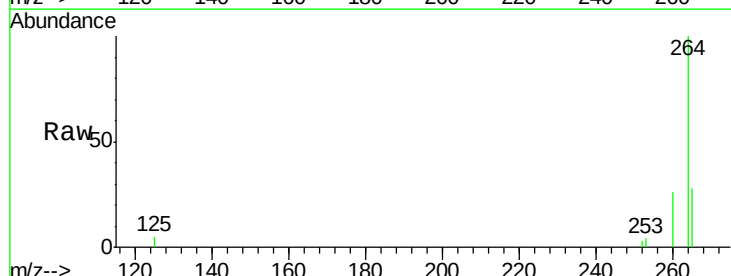
Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	13.1	10.2	15.2
277	23.3	19.2	28.8

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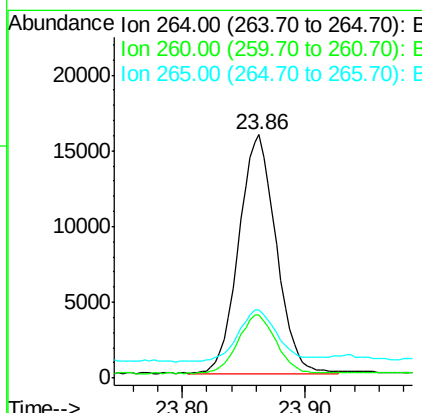
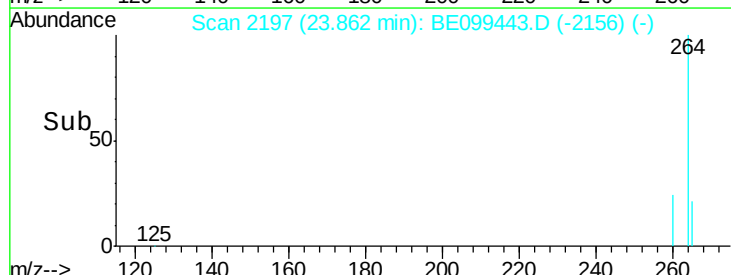
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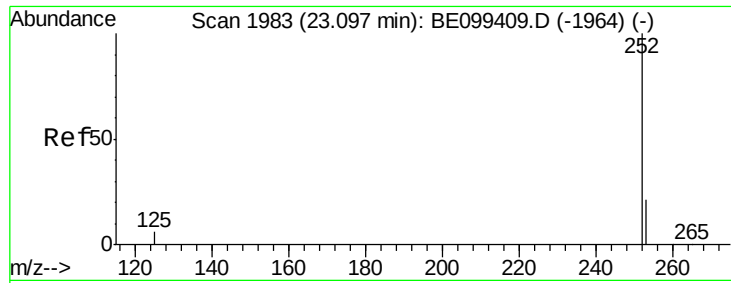


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: BE099443.D
 Acq: 1 May 2019 1:51



Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.7	20.2	30.2
265	27.8	21.3	31.9





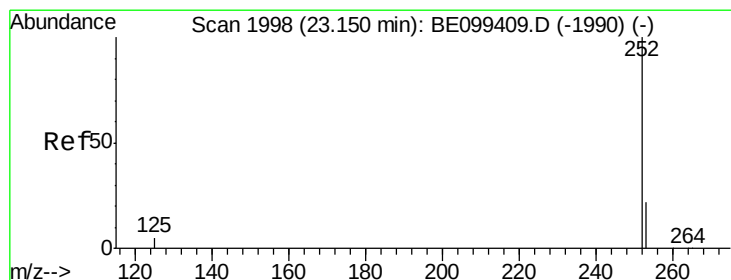
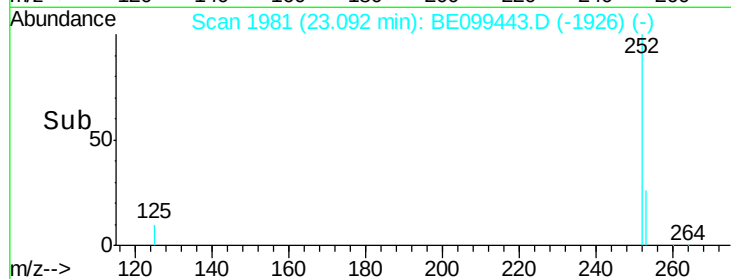
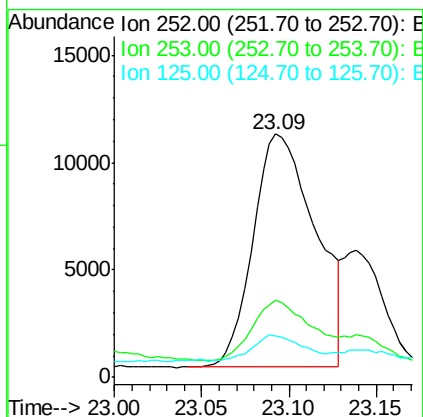
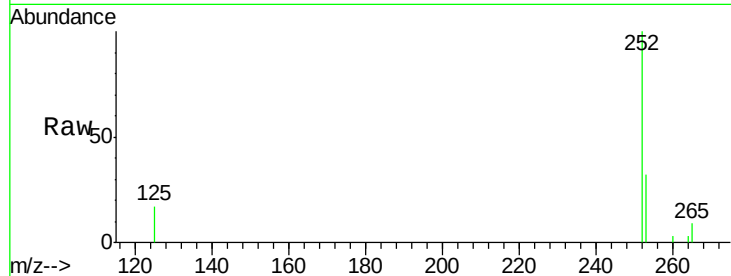
#35
Benzo(b)fluoranthene
Concen: 0.282 ng
RT: 23.09 min Scan# 1981
Delta R.T. -0.00 min
Lab File: BE099443.D
Acq: 1 May 2019 1:51

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.6	18.1	27.1#
125	16.8	5.6	8.4#

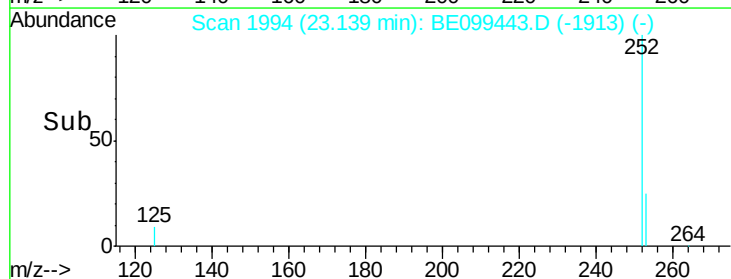
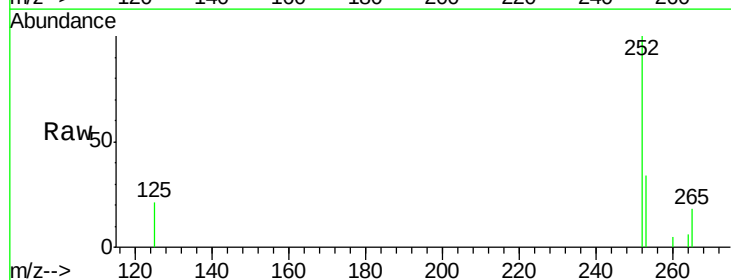
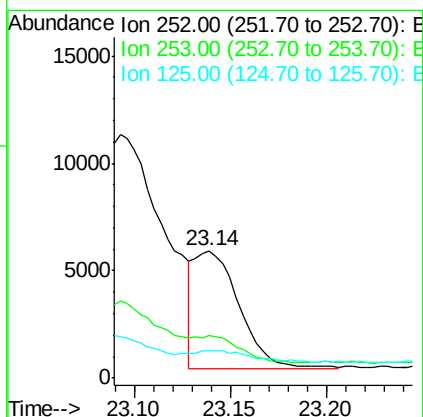
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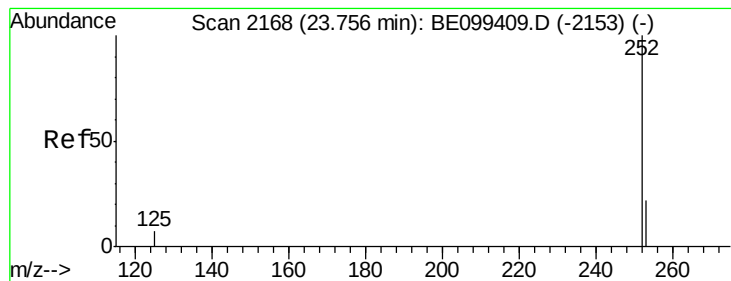
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#36
Benzo(k)fluoranthene
Concen: 0.096 ng m
RT: 23.14 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BE099443.D
Acq: 1 May 2019 1:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.9	18.4	27.6#
125	21.0	5.0	7.4#





#37

Benzo(a)pyrene

Concen: 0.171 ng

RT: 23.75 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BE099443.D

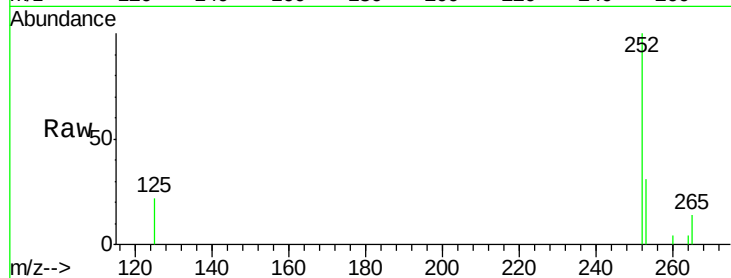
Acq: 1 May 2019 1:51

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW044-042219



Tgt Ion: 252 Resp: 15536

Ion Ratio Lower Upper

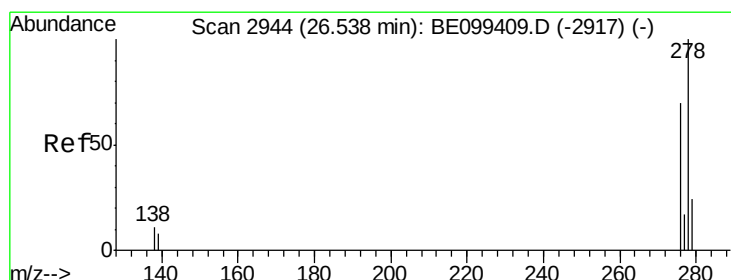
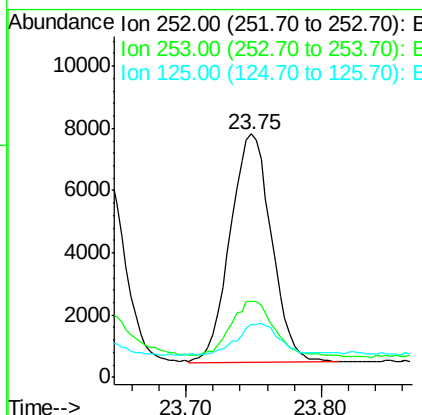
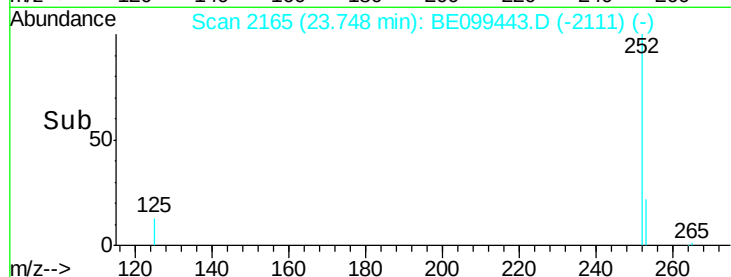
252 100

253 31.2 18.9 28.3#

125 21.5 6.7 10.1#

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#38

Dibenzo(a,h)anthracene

Concen: 0.036 ng

RT: 26.51 min Scan# 2936

Delta R.T. -0.02 min

Lab File: BE099443.D

Acq: 1 May 2019 1:51

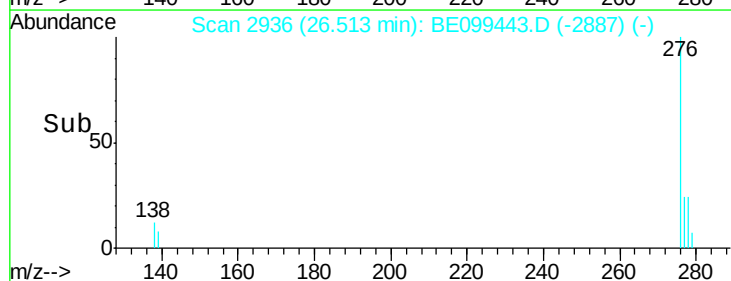
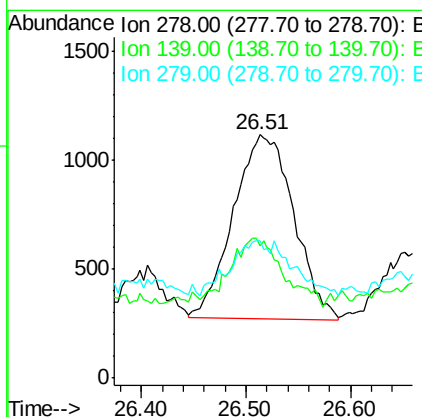
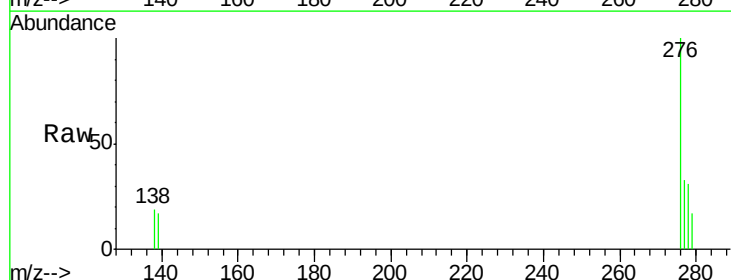
Tgt Ion: 278 Resp: 3381

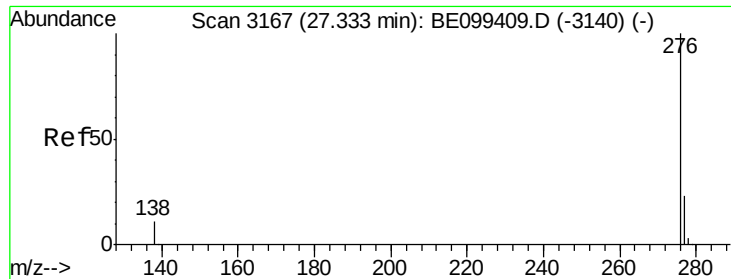
Ion Ratio Lower Upper

278 100

139 54.1 7.7 11.5#

279 56.3 20.2 30.2#





#39

Benzo(g,h,i)perylene

Concen: 0.135 ng

RT: 27.32 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE099443.D

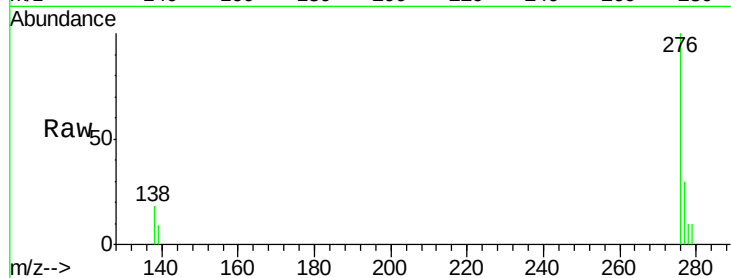
Acq: 1 May 2019 1:51

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW044-042219



Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.9	19.5	29.3#
138	18.0	9.6	14.4#

Manual Integrations
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