

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099450.D
 Acq On : 1 May 2019 6:02
 Operator : JU/SJ
 Sample : K2568-05
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW026-042219

Manual Integrations
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 5/1/2019 12:03:31 PM

Quant Time: May 01 07:31:27 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	2387	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	8997	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6988	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	22791	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29060	0.40	ng	0.00
34) Perylene-d12	23.86	264	32653	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2646	0.40	ng	0.00
5) Phenol-d6	6.98	99	3840	0.44	ng	0.00
8) Nitrobenzene-d5	8.96	82	3152	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5886	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1915	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	8659	0.32	ng	-0.02
25) Fluoranthene-d10	19.22	212	102075	0.33	ng	0.00
29) Terphenyl-d14	19.81	244	21626	0.41	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	2108	0.022	ng	# 89
12) 2-Methylnaphthalene	12.27	142	405	0.024	ng	# 87
16) Acenaphthylene	14.18	152	2720	0.080	ng	99
18) Fluorene	15.49	166	1341	0.047	ng	# 90
23) Phenanthrene	17.23	178	27192	0.462	ng	99
24) Anthracene	17.32	178	1751	0.031	ng	# 90
26) Fluoranthene	19.25	202	65475	0.743	ng	100
28) Pyrene	19.61	202	60147	0.794	ng	97
30) Benzo(a)anthracene	21.34	228	30412	0.328	ng	95
31) Chrysene	21.40	228	39038	0.431	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	49498	0.307	ng	100
33) Indeno(1,2,3-cd)pyrene	26.50	276	24628	0.230	ng	98
35) Benzo(b)fluoranthene	23.10	252	48989	0.520	ng	# 93
36) Benzo(k)fluoranthene	23.14	252	17733m	0.195	ng	
37) Benzo(a)pyrene	23.75	252	32067	0.360	ng	# 95
38) Dibenzo(a,h)anthracene	26.52	278	5944	0.065	ng	# 65
39) Benzo(g,h,i)perylene	27.32	276	24907	0.273	ng	97

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

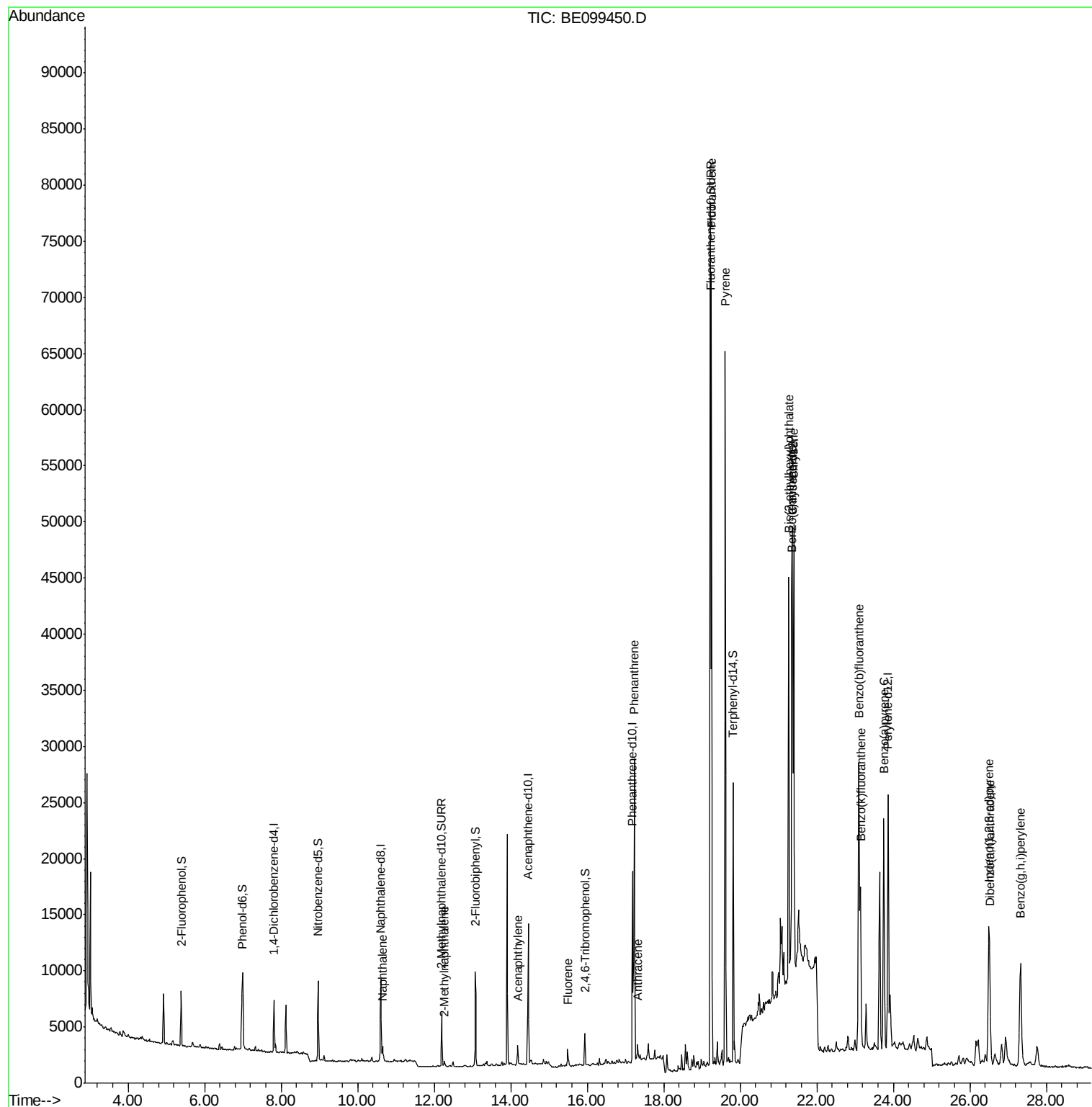
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
Data File : BE099450.D
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Misc :
ALS Vial : 33 Sample Multiplier: 1

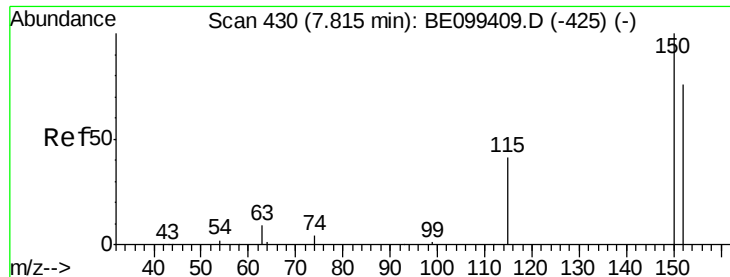
Instrument :
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EXT-026-SW026-042219

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Quant Time: May 01 07:31:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
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QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099450.D

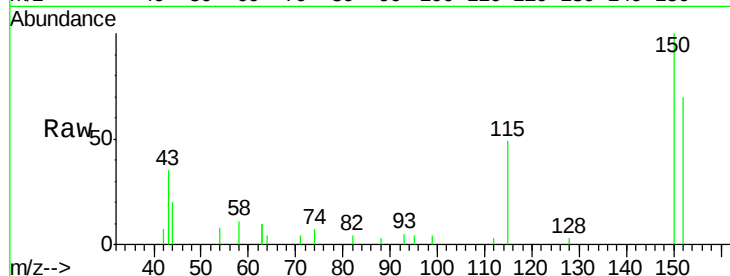
Acq: 1 May 2019 6:02

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW026-042219



Tgt Ion:152 Resp: 2387

Ion Ratio Lower Upper

152 100

150 143.4 104.8 157.2

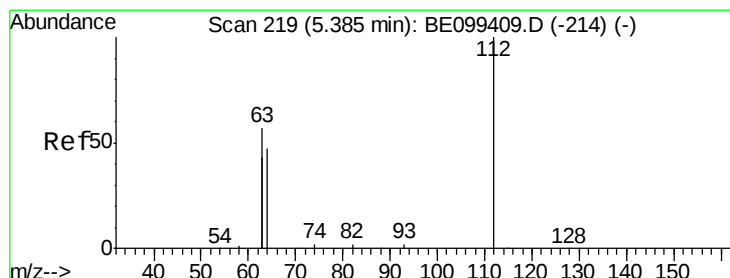
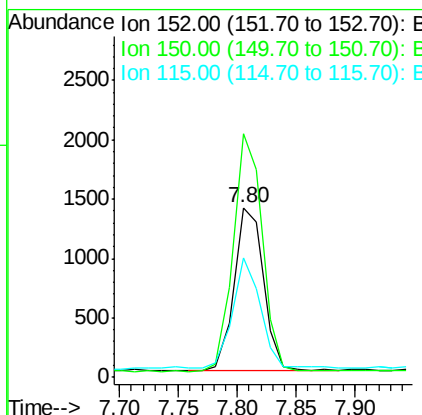
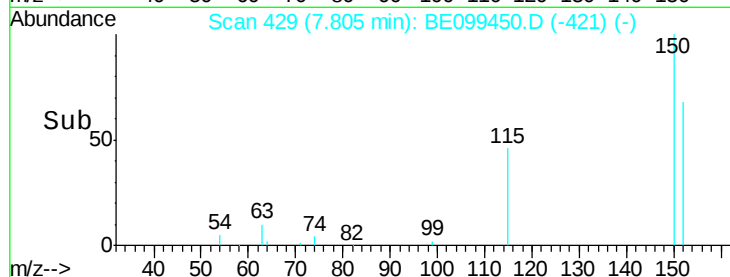
115 70.1 46.6 69.8#

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#4

2-Fluorophenol

Concen: 0.401 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099450.D

Acq: 1 May 2019 6:02

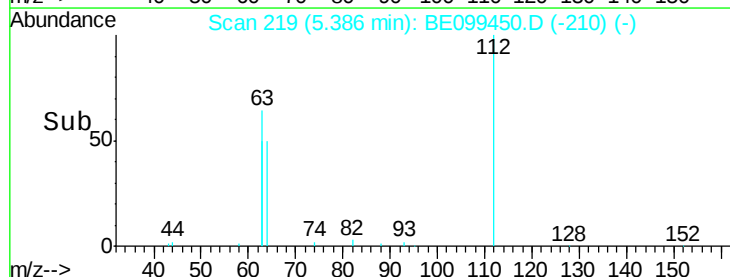
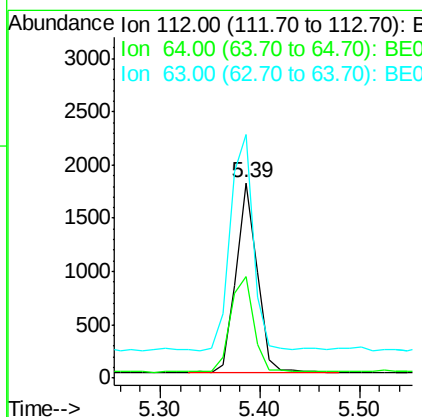
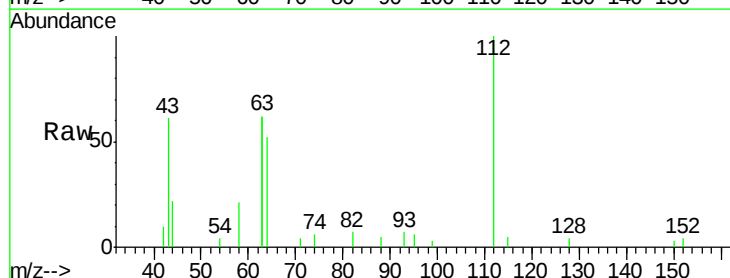
Tgt Ion:112 Resp: 2646

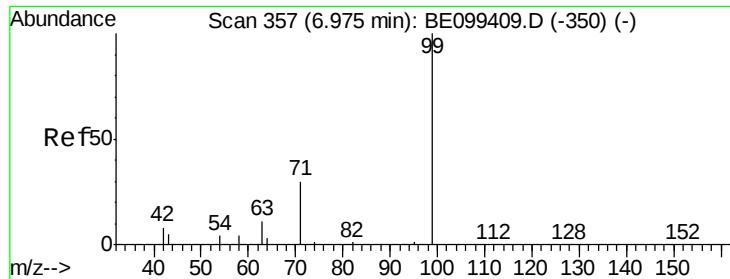
Ion Ratio Lower Upper

112 100

64 54.0 47.4 71.0

63 122.0 104.3 156.5





#5

Phenol-d6

Concen: 0.437 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099450.D

Acq: 1 May 2019 6:02

Instrument :

BNA_E

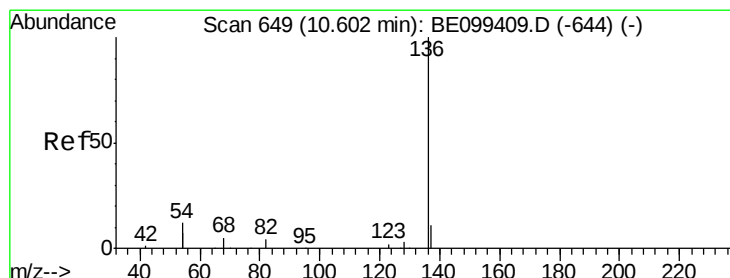
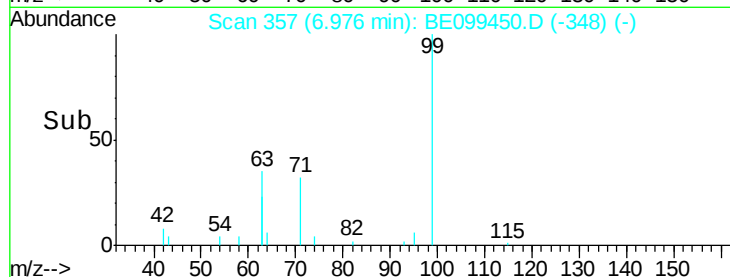
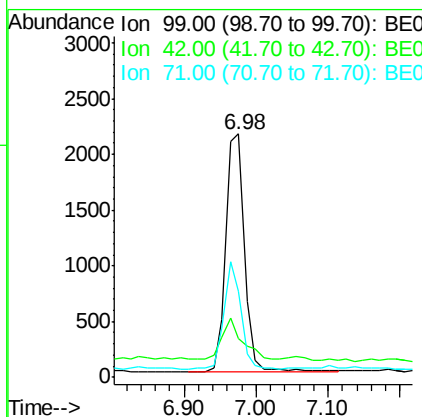
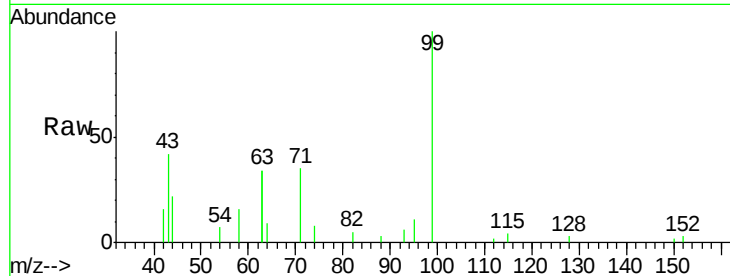
ClientSampleId :

EXT-026-SW026-042219

Tgt Ion:	99	Resp:	3840
Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.9	22.3
71	41.2	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

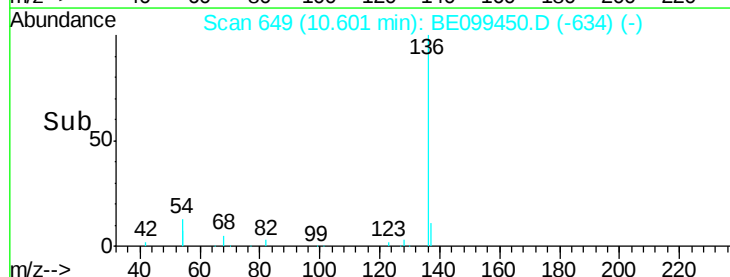
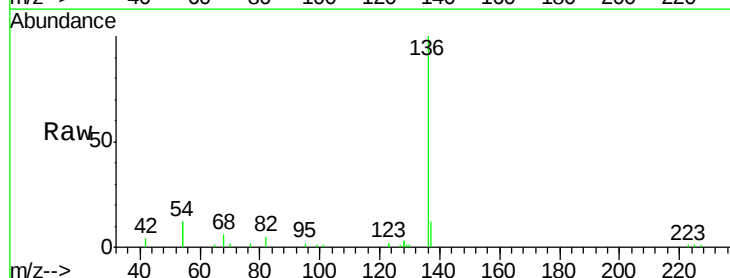
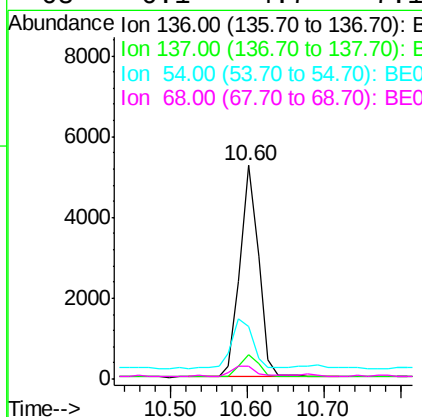
RT: 10.60 min Scan# 649

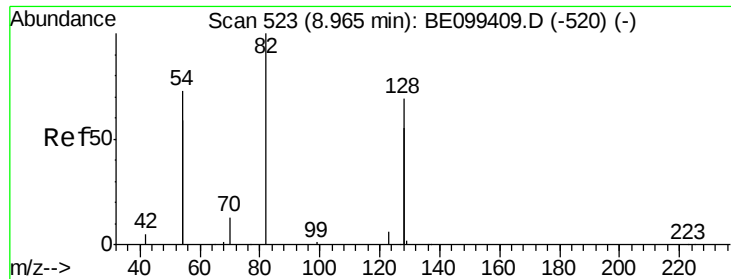
Delta R.T. -0.00 min

Lab File: BE099450.D

Acq: 1 May 2019 6:02

Tgt Ion:	136	Resp:	8997
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.8	14.8
54	24.8	18.5	27.7
68	6.1	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.374 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099450.D

Acq: 1 May 2019 6:02

Instrument :

BNA_E

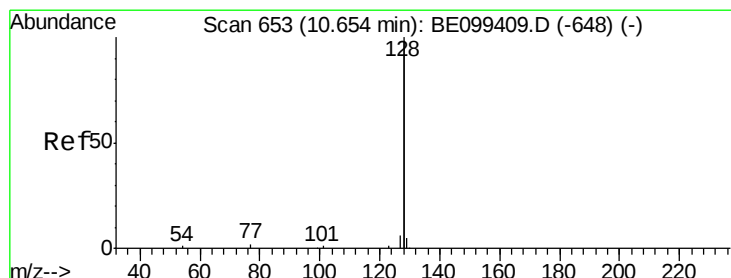
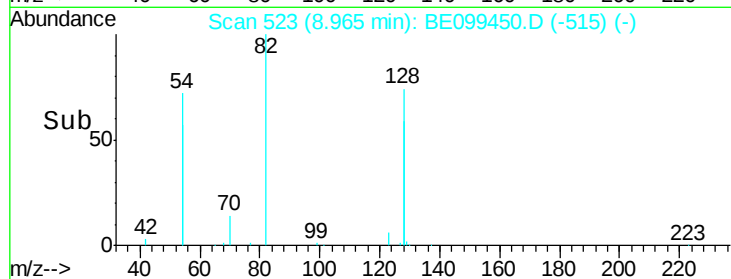
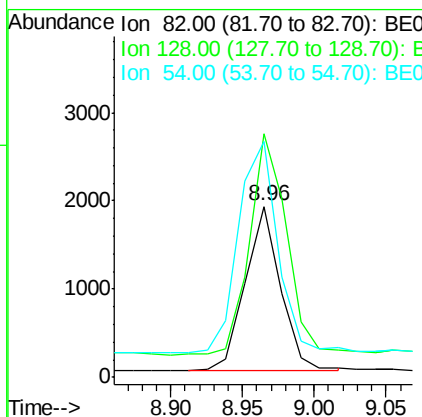
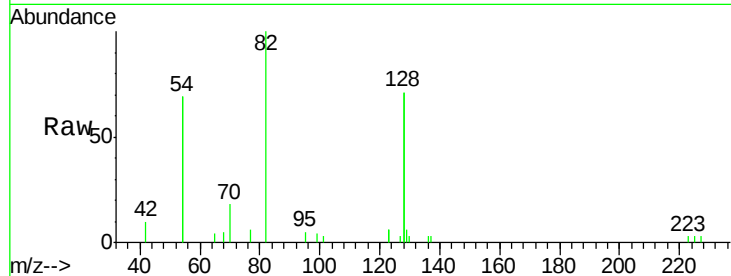
ClientSampleId :

EXT-026-SW026-042219

Tgt Ion:	82	Resp:	3152
Ion Ratio	Lower	Upper	
82	100		
128	142.3	107.0	160.4
54	138.0	113.1	169.7

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#9

Naphthalene

Concen: 0.022 ng

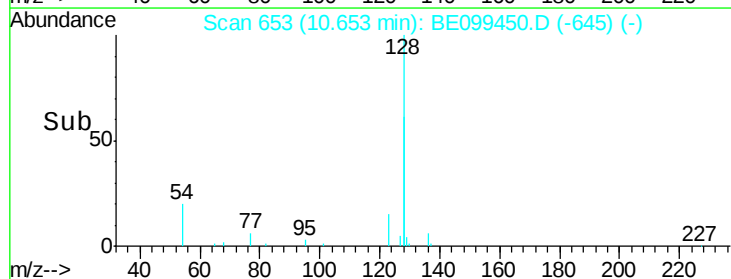
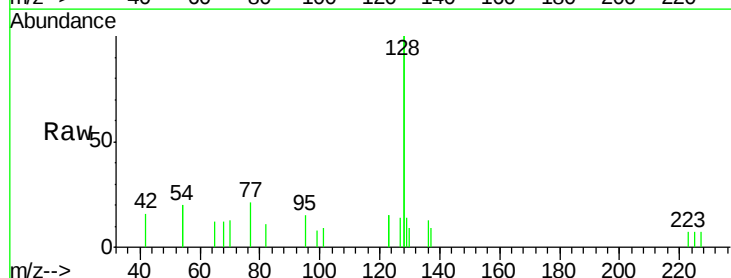
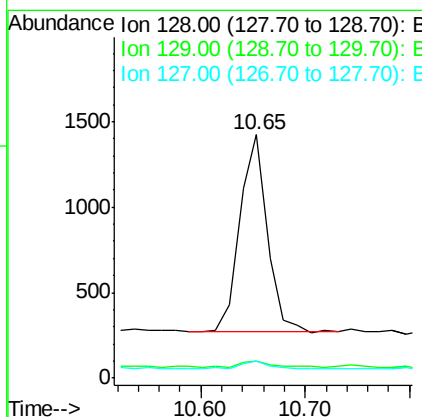
RT: 10.65 min Scan# 653

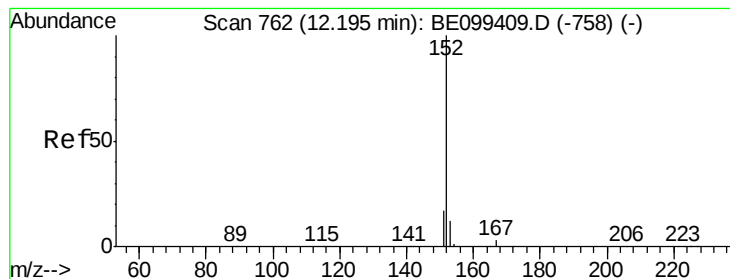
Delta R.T. -0.00 min

Lab File: BE099450.D

Acq: 1 May 2019 6:02

Tgt Ion:	128	Resp:	2108
Ion Ratio	Lower	Upper	
128	100		
129	7.0	2.4	3.6#
127	6.8	2.8	4.2#





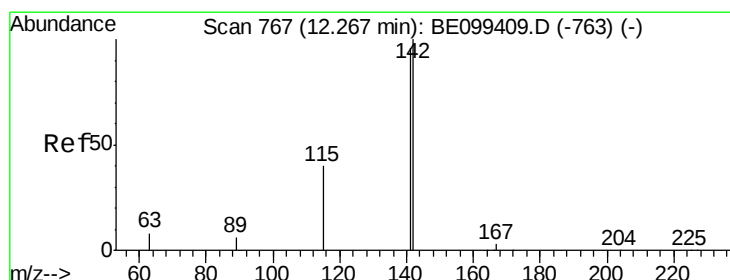
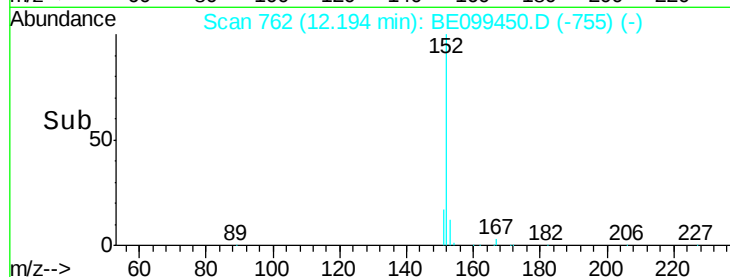
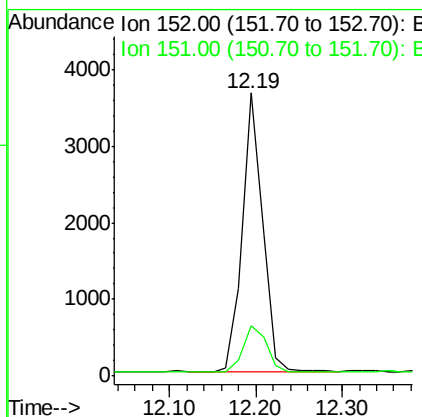
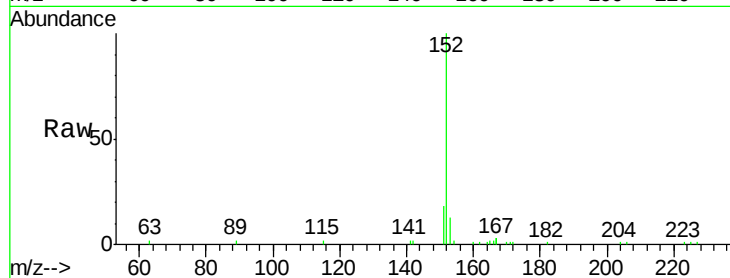
#11
 2-Methylnaphthalene-d10
 Concen: 0.363 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099450.D
 Acq: 1 May 2019 6:02

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW026-042219

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3

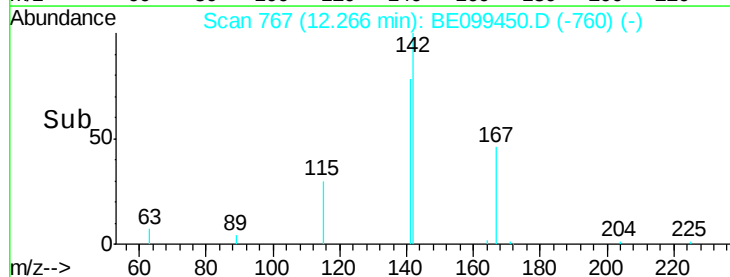
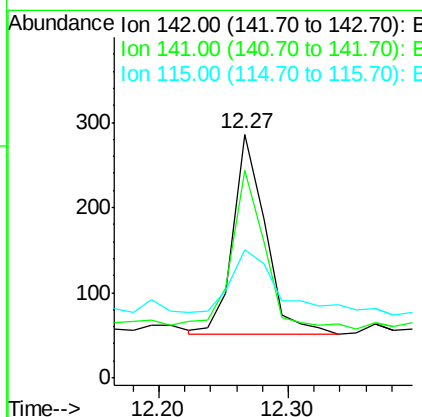
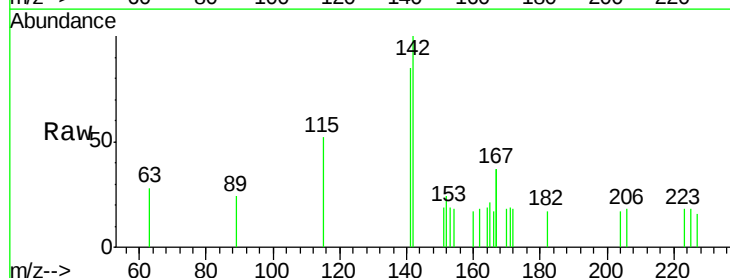
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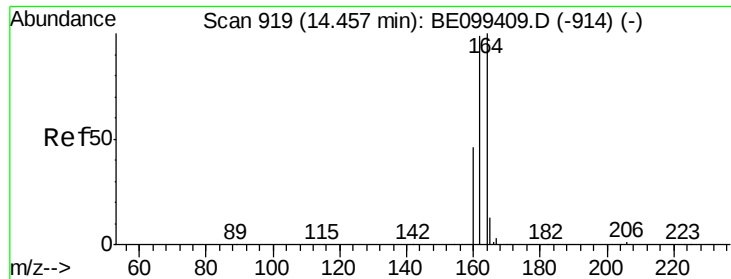
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#12
 2-Methylnaphthalene
 Concen: 0.024 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099450.D
 Acq: 1 May 2019 6:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.0	77.0	115.4
115	52.4	33.4	50.0#





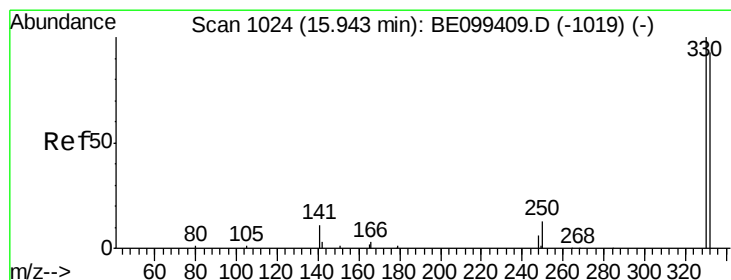
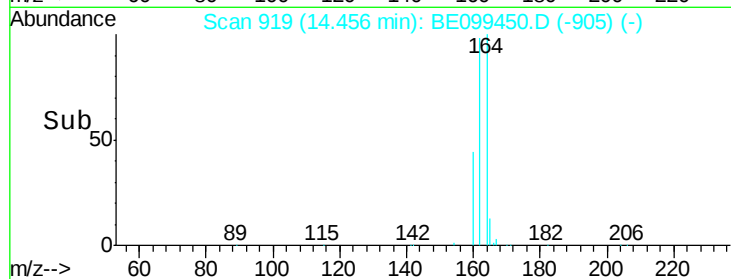
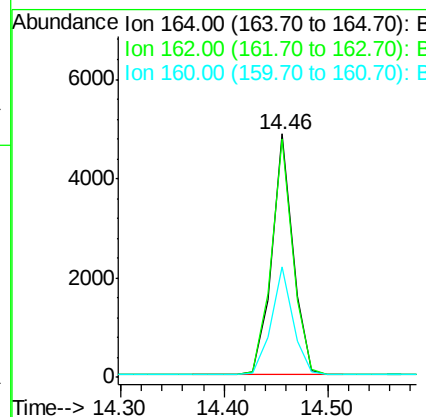
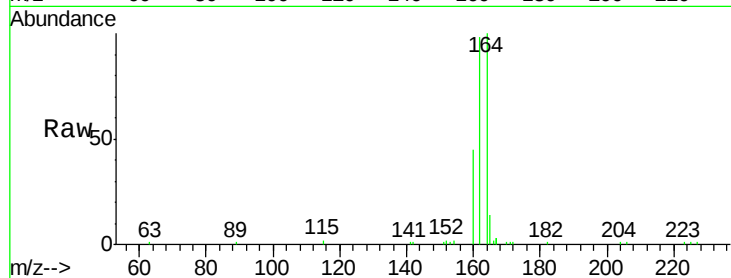
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Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099450.D
Acq: 1 May 2019 6:02

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW026-042219

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	6988		
162	98.2	79.0	118.4	
160	45.1	37.0	55.4	

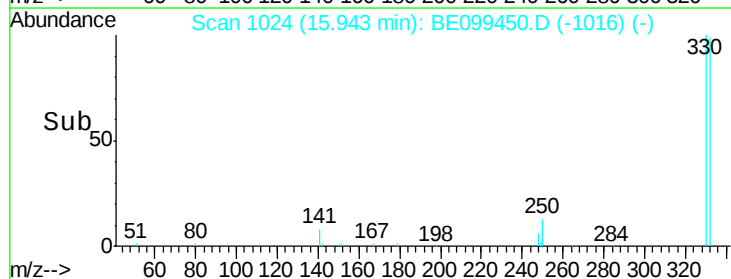
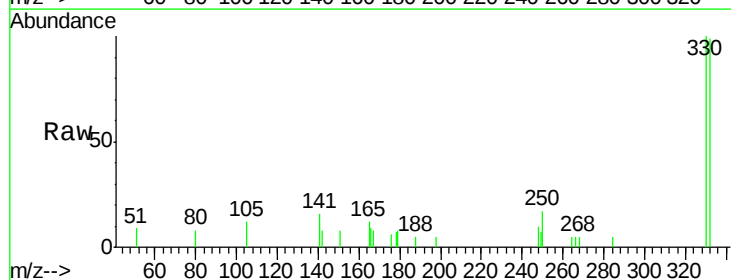
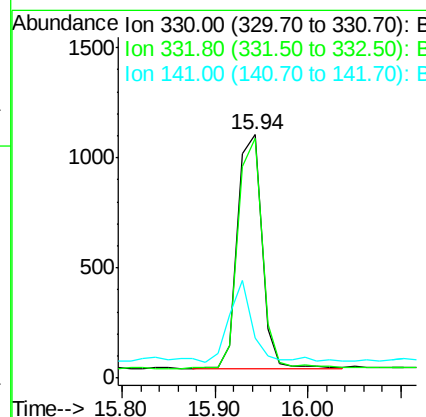
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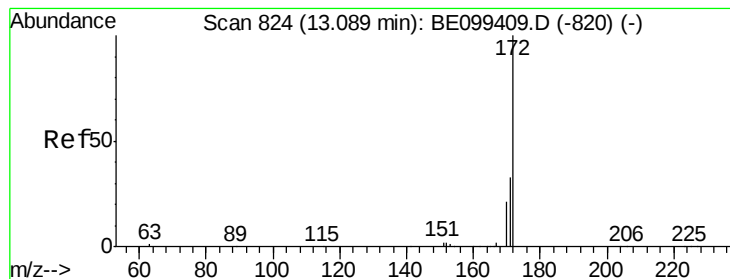
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#14
2,4,6-Tribromophenol
Concen: 0.435 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099450.D
Acq: 1 May 2019 6:02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	1915		
332	98.6	71.5	107.3	
141	32.8	24.0	36.0	





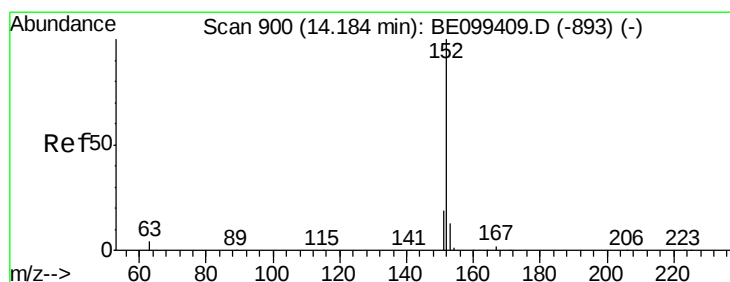
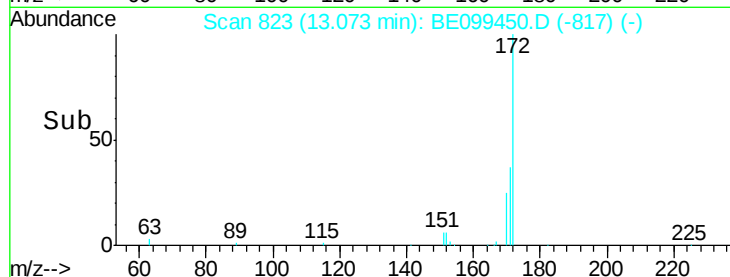
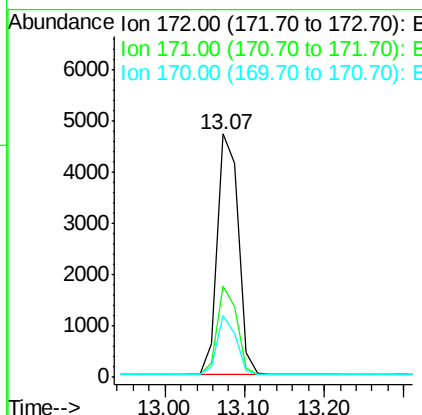
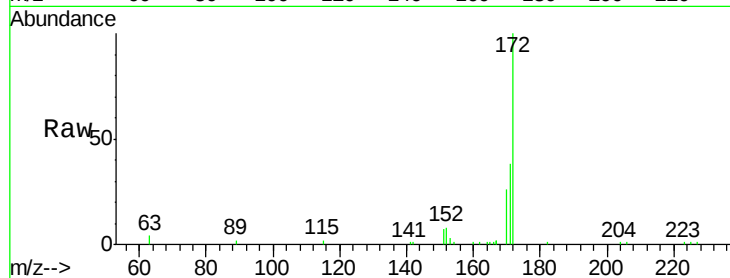
#15
2-Fluorobiphenyl
Concen: 0.325 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099450.D
Acq: 1 May 2019 6:02

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW026-042219

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	26.6	39.8
170	25.5	17.0	25.6

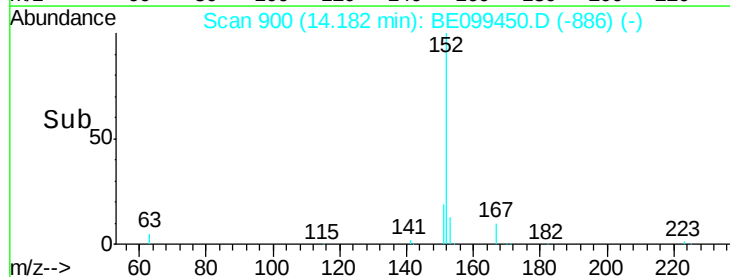
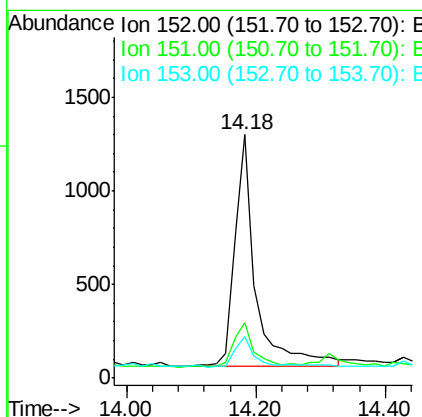
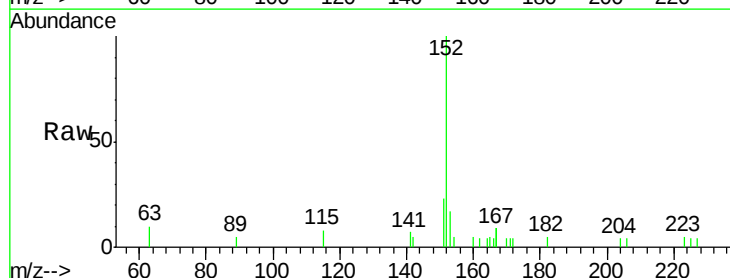
Manual Integrations
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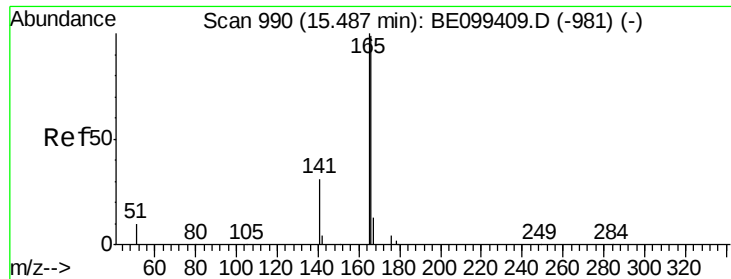
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#16
Acenaphthylene
Concen: 0.080 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099450.D
Acq: 1 May 2019 6:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.4	23.2
153	12.8	9.8	14.6





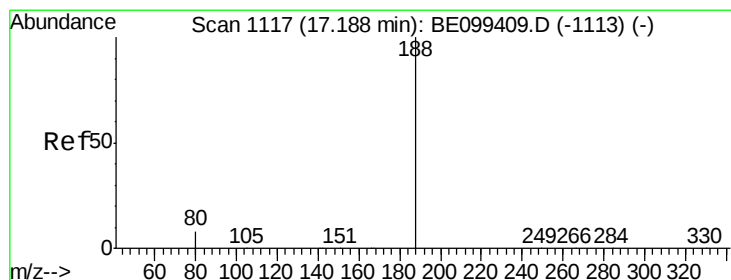
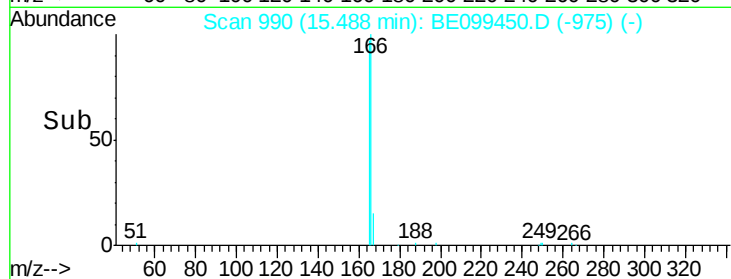
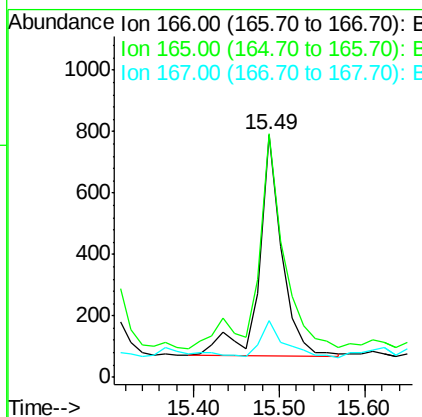
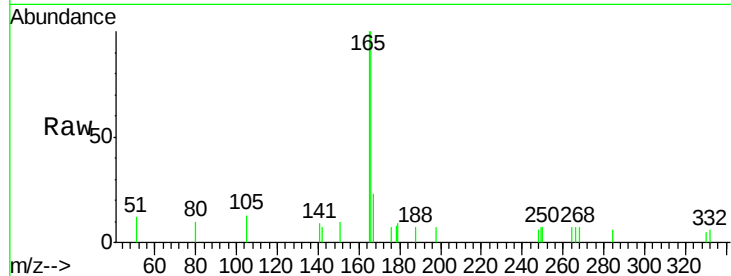
#18
Fluorene
 Concen: 0.047 ng
 RT: 15.49 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: BE099450.D
 Acq: 1 May 2019 6:02

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW026-042219

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1341		
165	110.5	80.3	120.5	
167	18.2	10.7	16.1#	

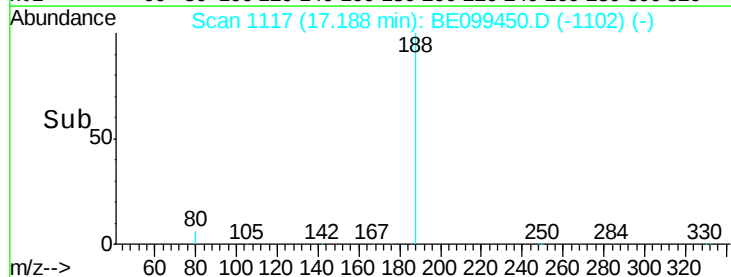
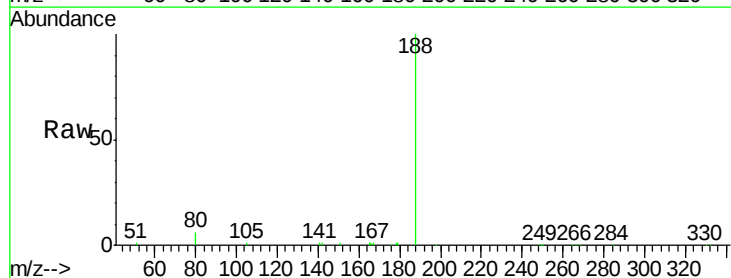
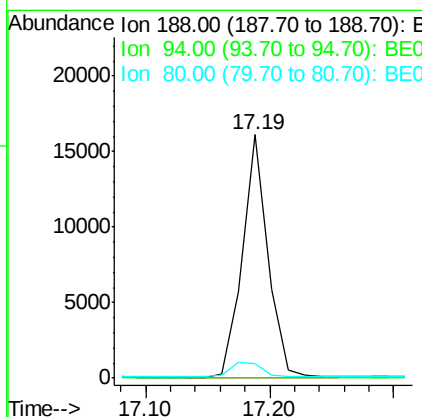
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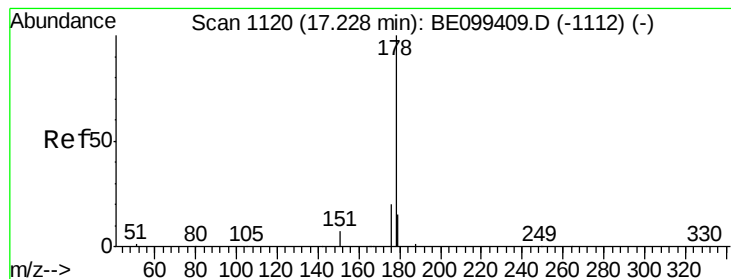
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: BE099450.D
 Acq: 1 May 2019 6:02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	22791		
94	0.0	0.0	0.0	
80	6.2	6.7	10.1#	





#23

Phenanthrene

Concen: 0.462 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099450.D

Acq: 1 May 2019 6:02

Instrument :

BNA_E

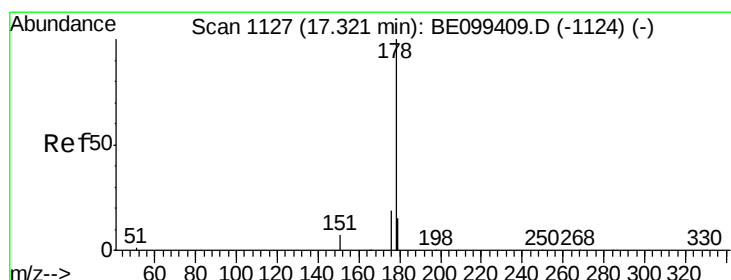
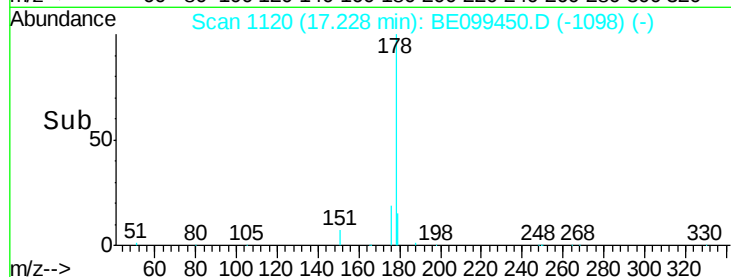
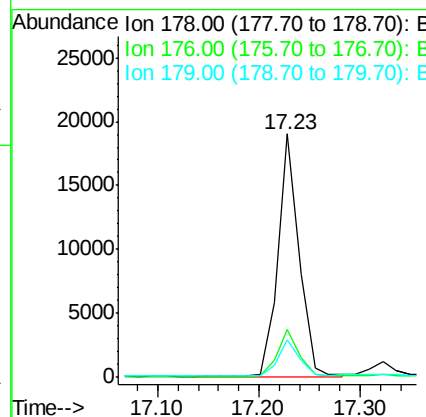
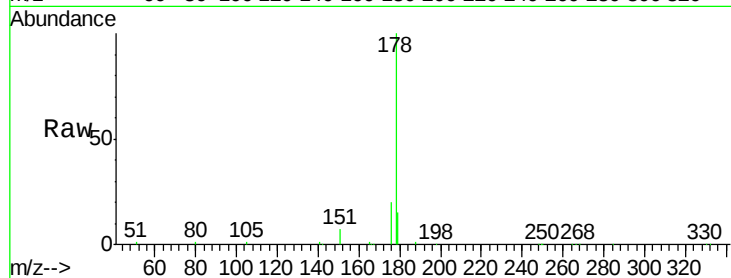
ClientSampleId :

EXT-026-SW026-042219

Tgt Ion:	178	Resp:	27192
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.6	23.4
179	15.4	12.0	18.0

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#24

Anthracene

Concen: 0.031 ng

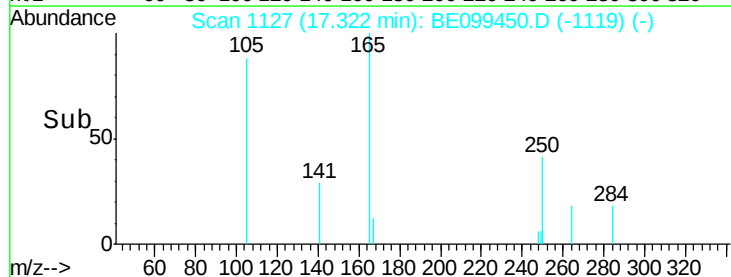
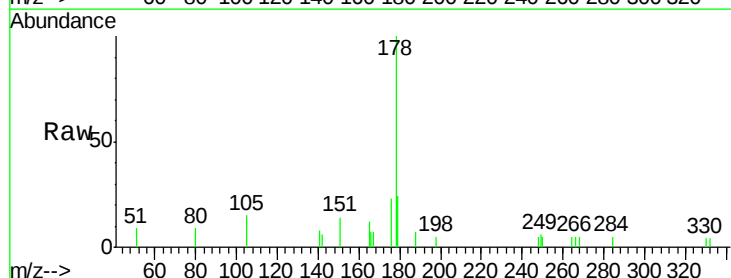
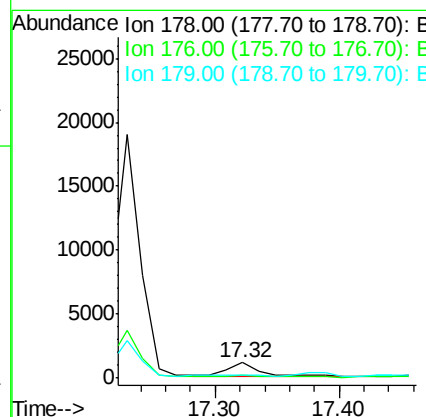
RT: 17.32 min Scan# 1127

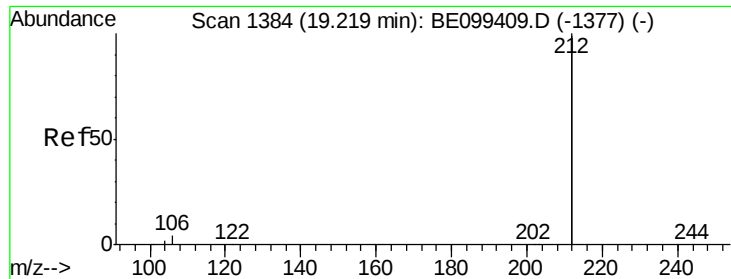
Delta R.T. 0.00 min

Lab File: BE099450.D

Acq: 1 May 2019 6:02

Tgt Ion:	178	Resp:	1751
Ion Ratio	Lower	Upper	
178	100		
176	20.2	14.9	22.3
179	22.0	11.9	17.9#





#25

Fluoranthene-d10

Concen: 0.332 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099450.D

Acq: 1 May 2019 6:02

Instrument :

BNA_E

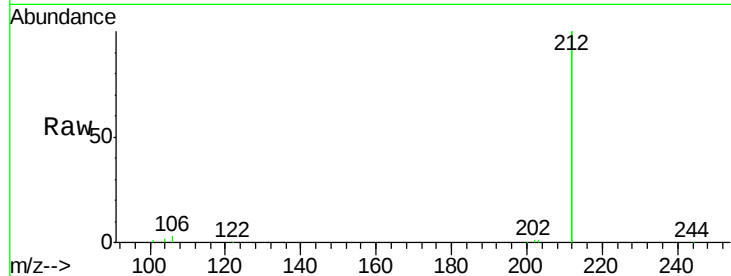
ClientSampleId :

EXT-026-SW026-042219

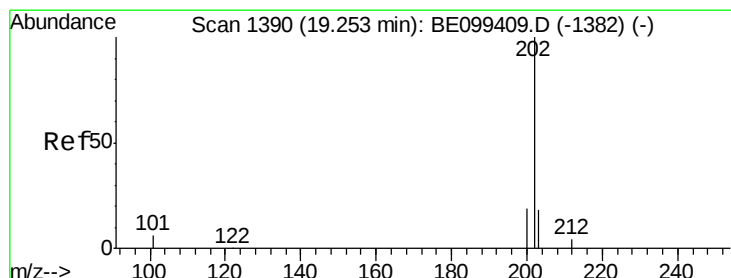
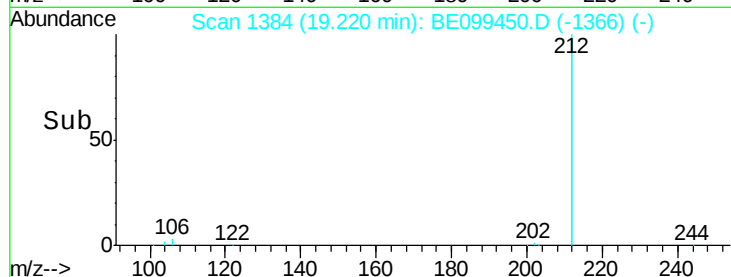
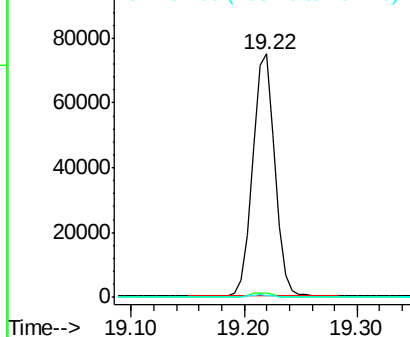
Tgt Ion	Ratio	Resp	Lower	Upper
212	100	102075		
106	1.8		1.5	2.3
104	1.1		0.9	1.3

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.743 ng

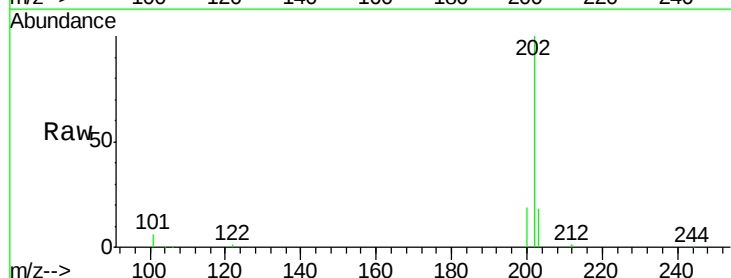
RT: 19.25 min Scan# 1389

Delta R.T. -0.00 min

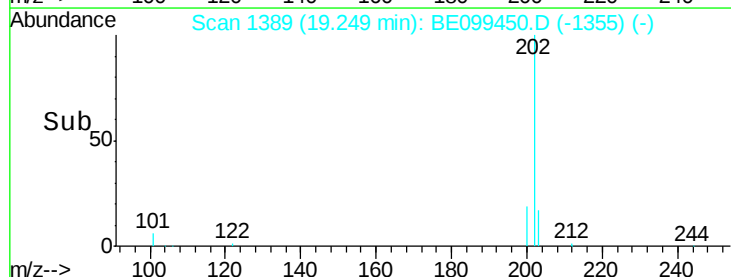
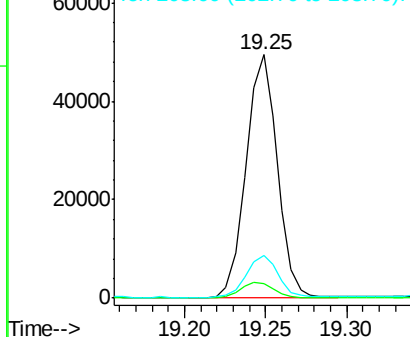
Lab File: BE099450.D

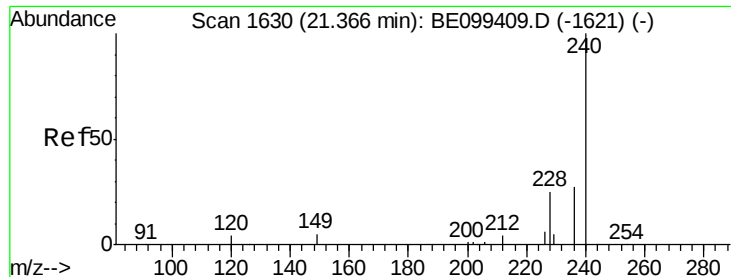
Acq: 1 May 2019 6:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	65475		
101	6.7		5.4	8.0
203	17.5		13.9	20.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





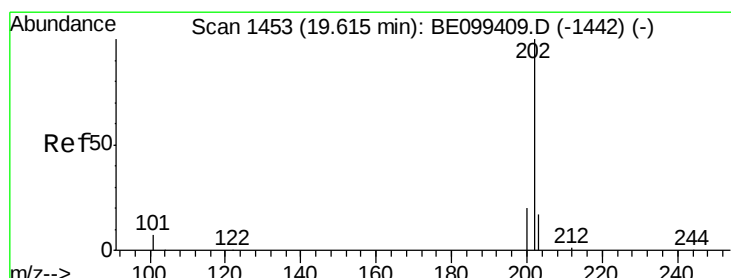
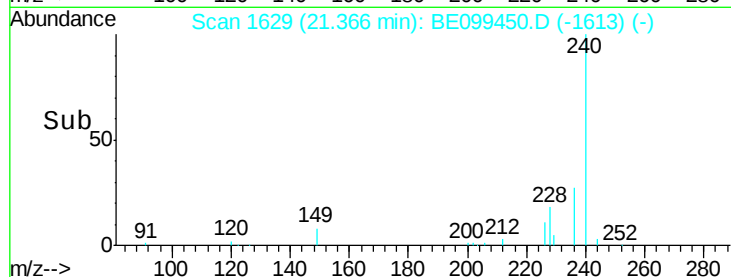
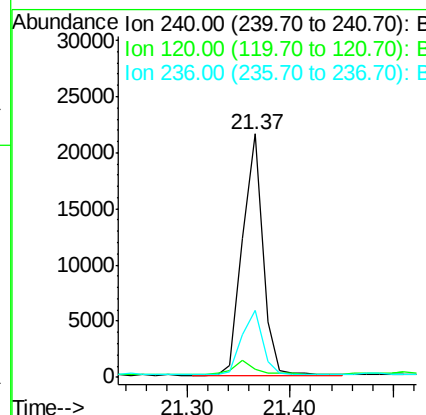
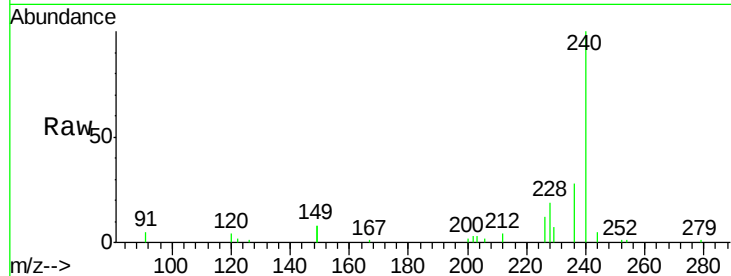
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: BE099450.D
 Acq: 1 May 2019 6:02

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW026-042219

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	29060		
120	3.6	4.0	6.0#	
236	27.5	22.0	33.0	

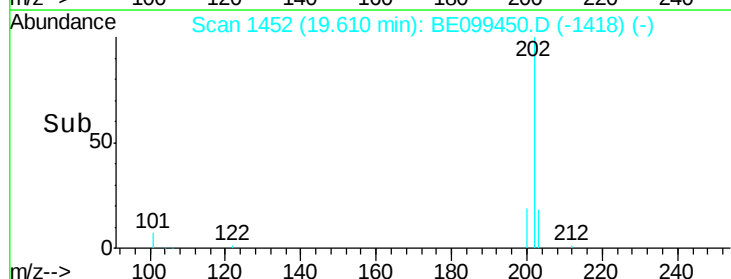
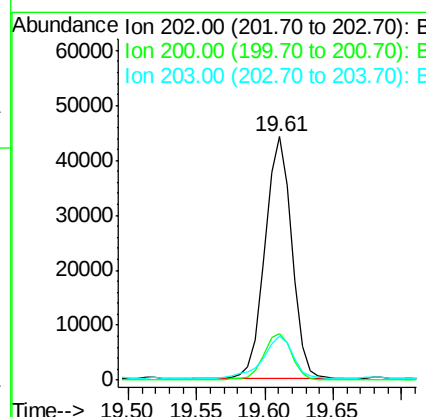
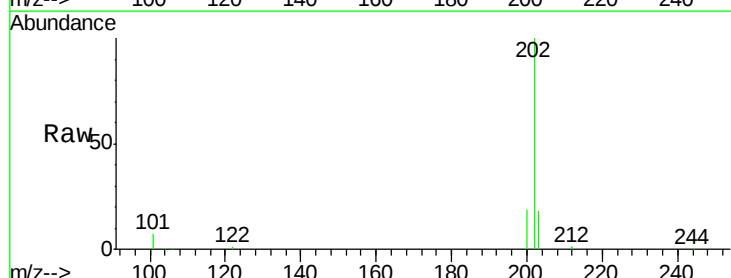
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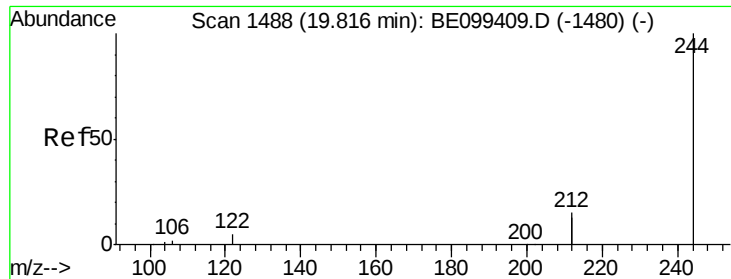
Sohil
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#28
 Pyrene
 Concen: 0.794 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: BE099450.D
 Acq: 1 May 2019 6:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	60147		
200	19.6	15.7	23.5	
203	20.2	13.9	20.9	





#29

Terphenyl-d14

Concen: 0.406 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BE099450.D

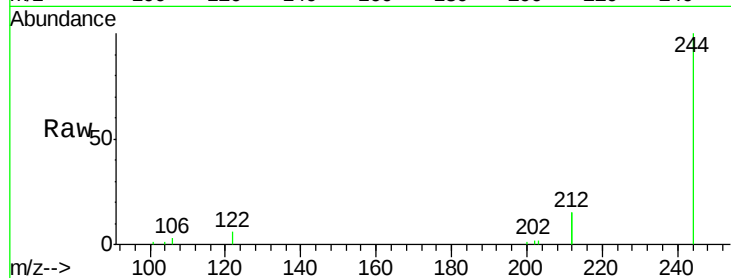
Acq: 1 May 2019 6:02

Instrument :

BNA_E

ClientSampleId :

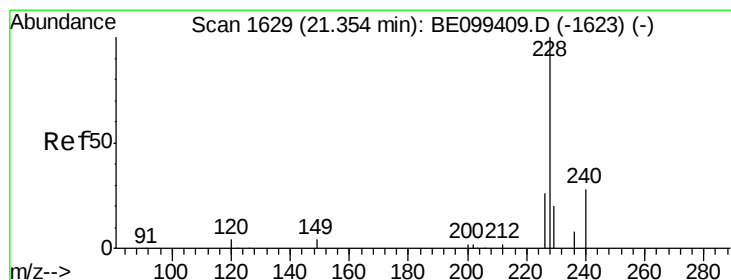
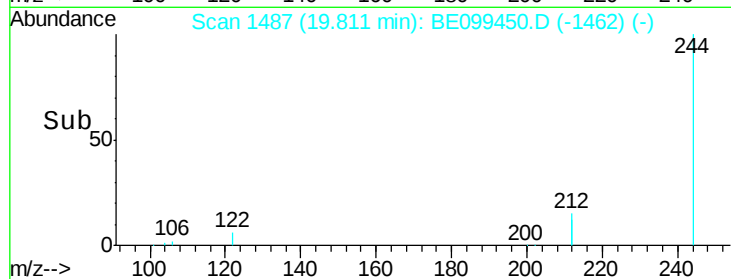
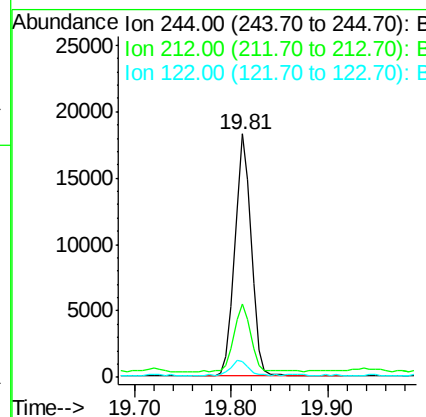
EXT-026-SW026-042219



Tgt Ion:	244	Resp:	21626
Ion Ratio	Lower	Upper	
244	100		
212	30.0	23.2	34.8
122	6.4	4.2	6.4

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#30

Benzo(a)anthracene

Concen: 0.328 ng

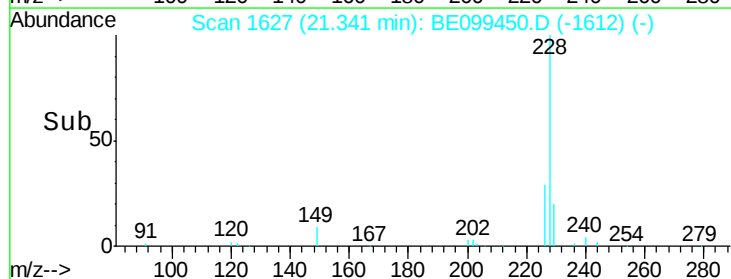
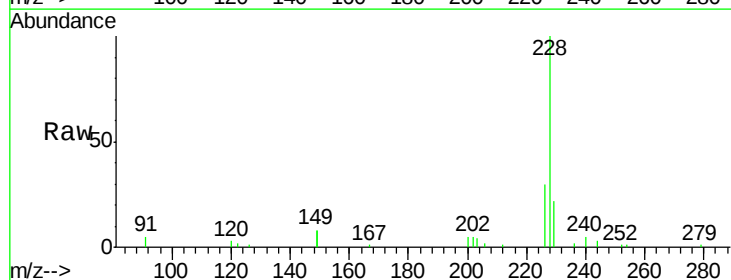
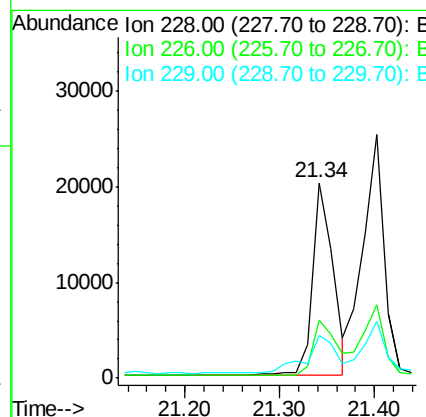
RT: 21.34 min Scan# 1627

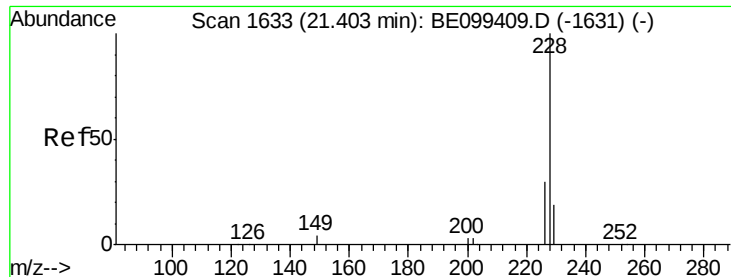
Delta R.T. -0.01 min

Lab File: BE099450.D

Acq: 1 May 2019 6:02

Tgt Ion:	228	Resp:	30412
Ion Ratio	Lower	Upper	
228	100		
226	30.0	21.0	31.6
229	22.2	16.6	25.0





#31

Chrysene

Concen: 0.431 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099450.D

Acq: 1 May 2019 6:02

Instrument :

BNA_E

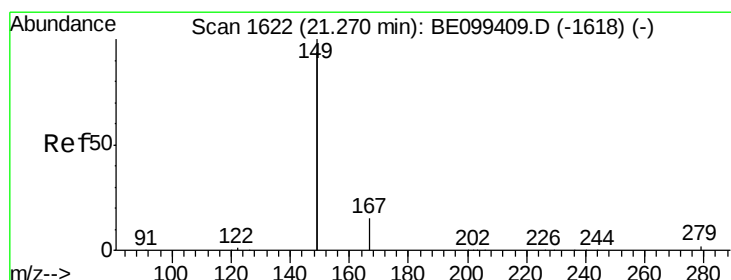
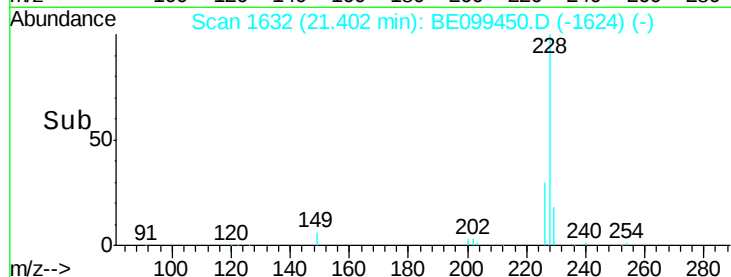
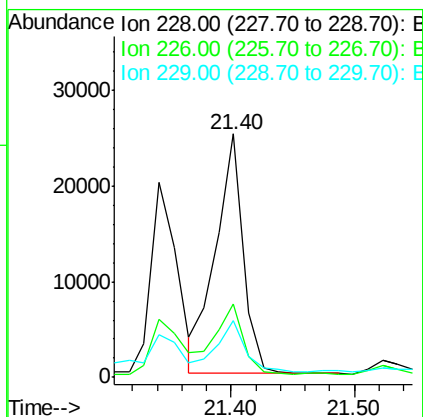
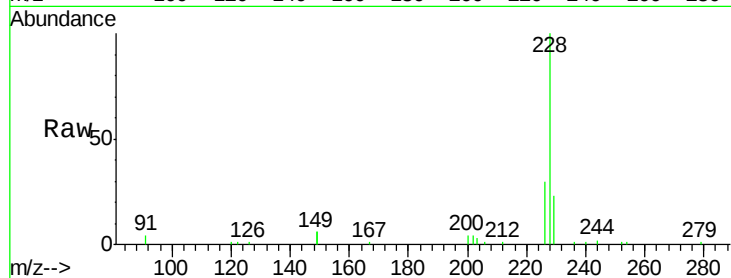
ClientSampleId :

EXT-026-SW026-042219

Tgt Ion:	228	Resp:	39038
Ion Ratio		Lower	Upper
228	100		
226	30.3	24.0	36.0
229	23.2	15.8	23.8

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.307 ng

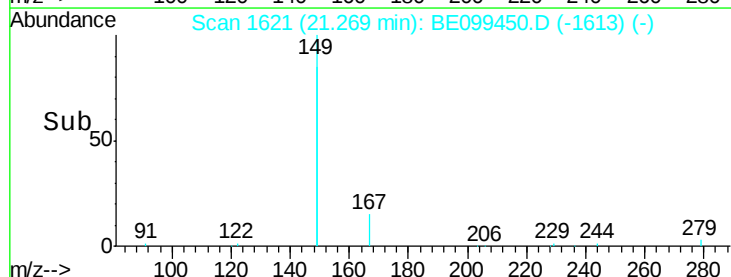
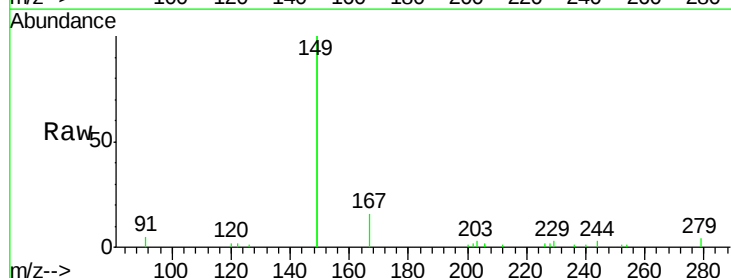
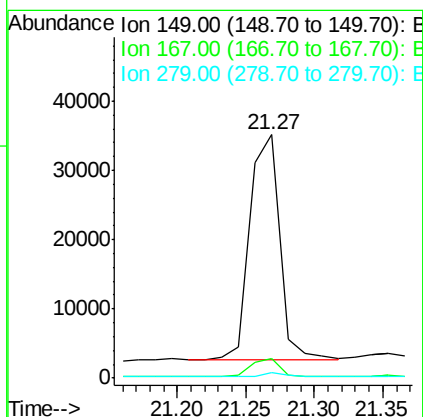
RT: 21.27 min Scan# 1621

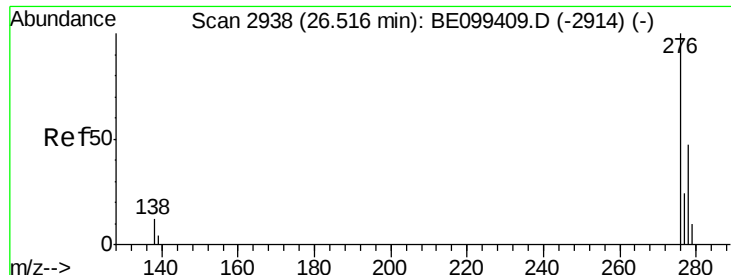
Delta R.T. -0.00 min

Lab File: BE099450.D

Acq: 1 May 2019 6:02

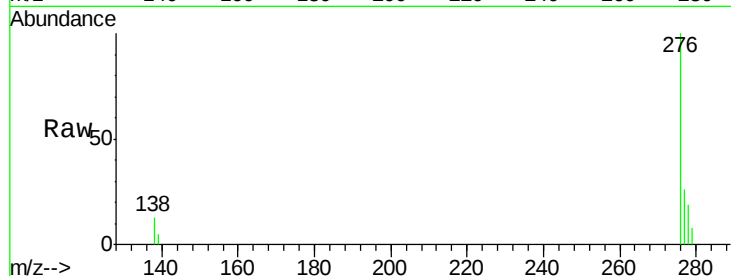
Tgt Ion:	149	Resp:	49498
Ion Ratio		Lower	Upper
149	100		
167	7.3	5.8	8.6
279	1.5	1.0	1.6





#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.230 ng
 RT: 26.50 min Scan# 2933
 Delta R.T. -0.01 min
 Lab File: BE099450.D
 Acq: 1 May 2019 6:02

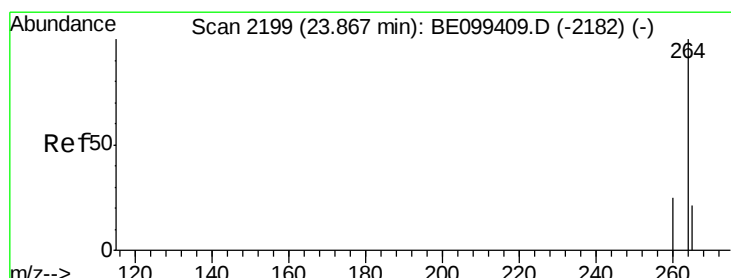
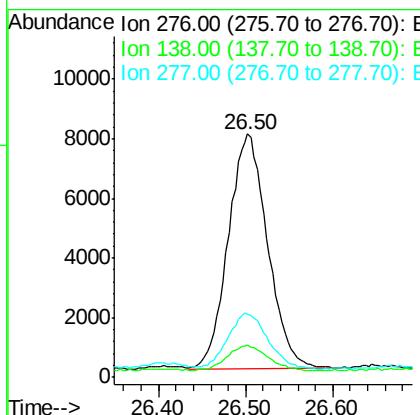
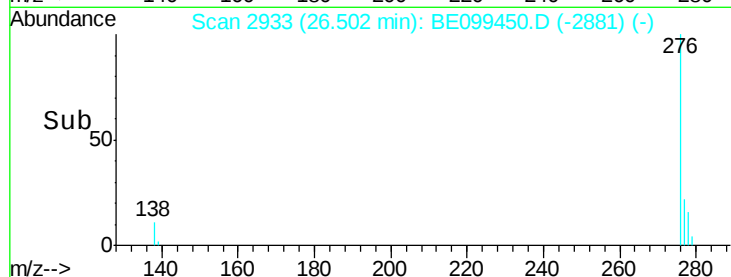
Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW026-042219



Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	10.8	10.2	15.2
277	24.4	19.2	28.8

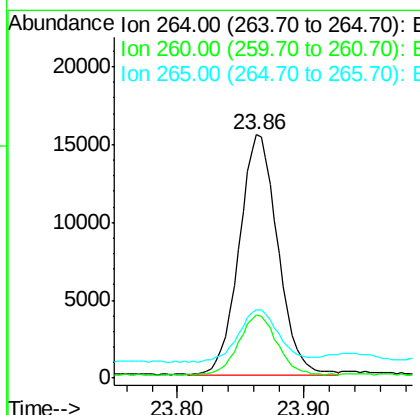
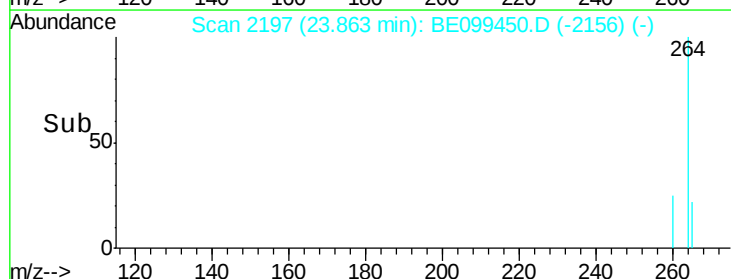
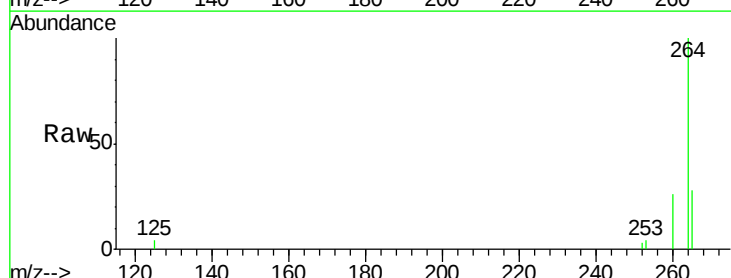
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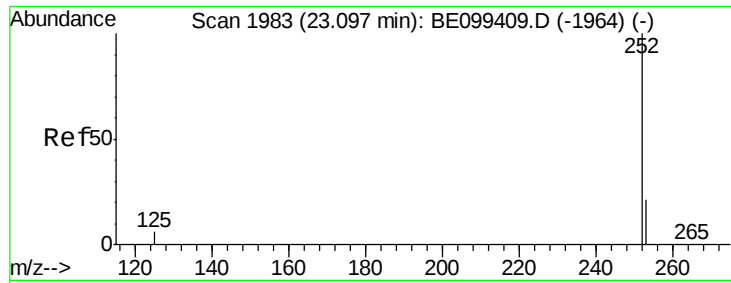
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: BE099450.D
 Acq: 1 May 2019 6:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	26.0	20.2	30.2
265	28.1	21.3	31.9





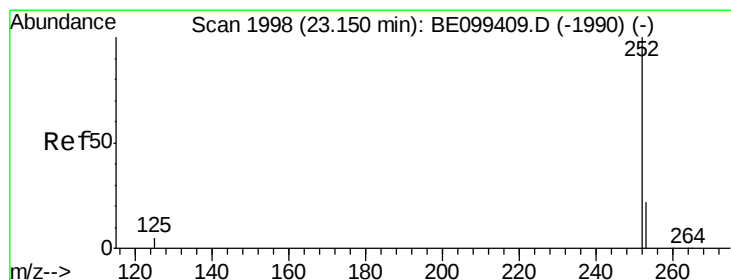
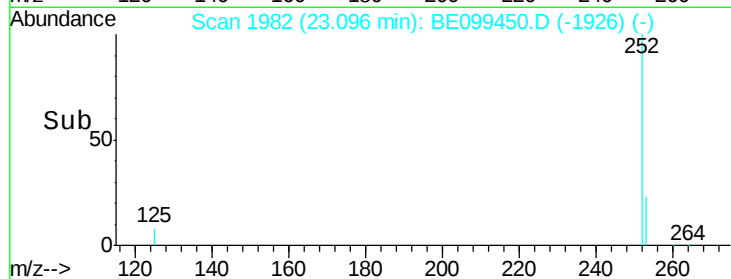
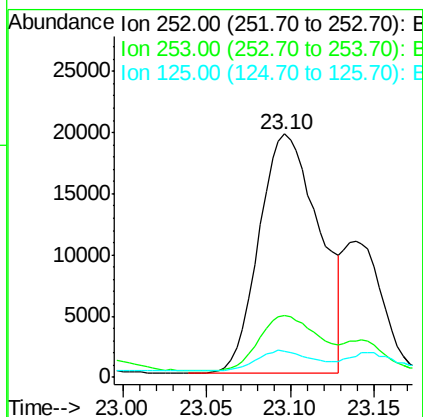
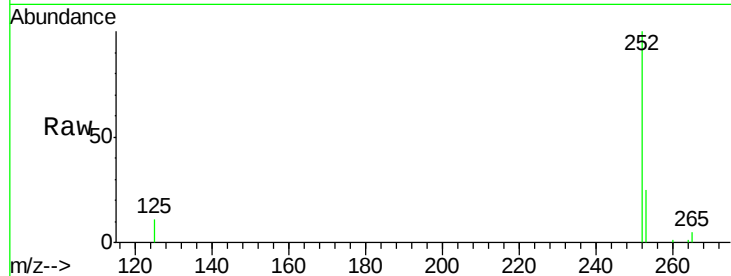
#35
Benzo(b)fluoranthene
Concen: 0.520 ng
RT: 23.10 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE099450.D
Acq: 1 May 2019 6:02

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW026-042219

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	10.9	5.6	8.4#

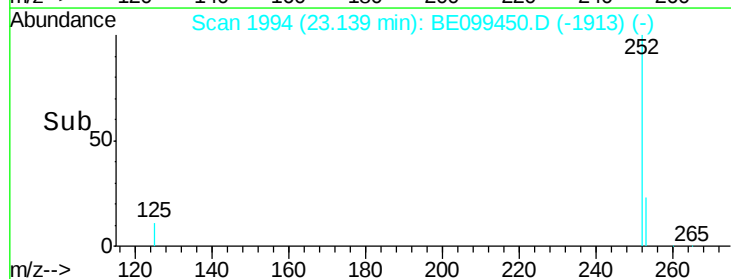
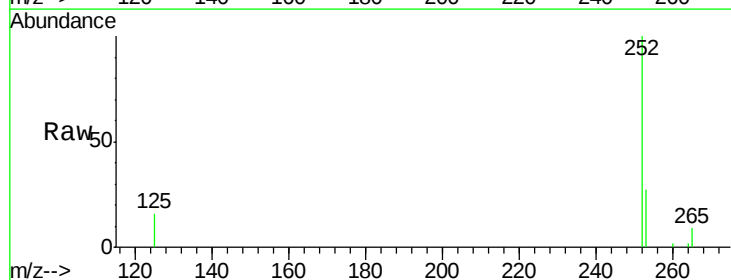
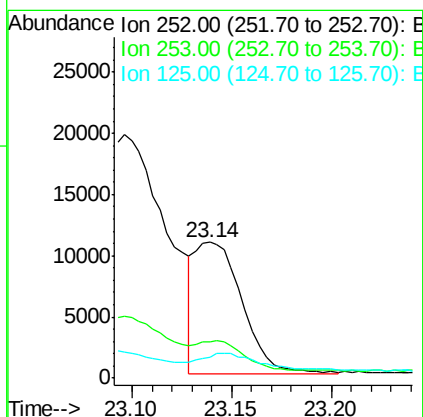
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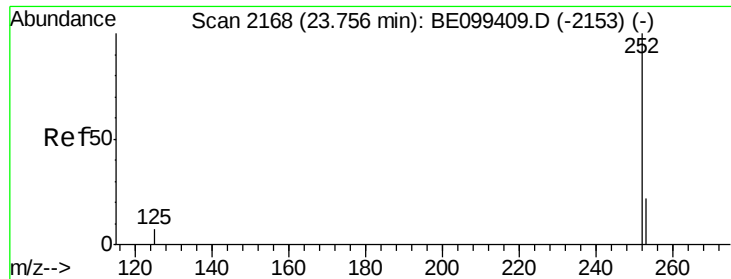
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#36
Benzo(k)fluoranthene
Concen: 0.195 ng m
RT: 23.14 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BE099450.D
Acq: 1 May 2019 6:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.4	27.6
125	15.6	5.0	7.4#





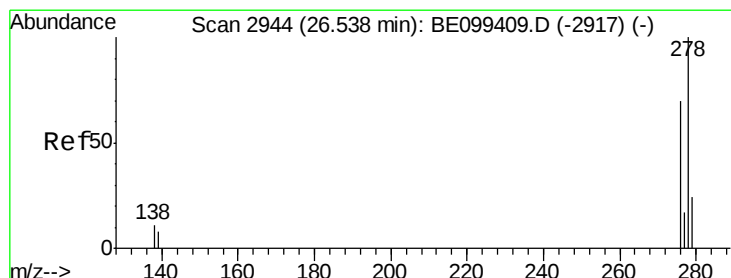
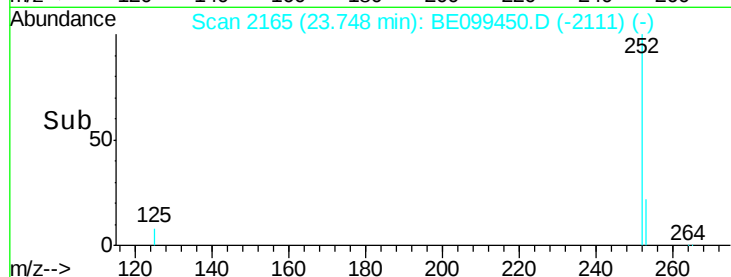
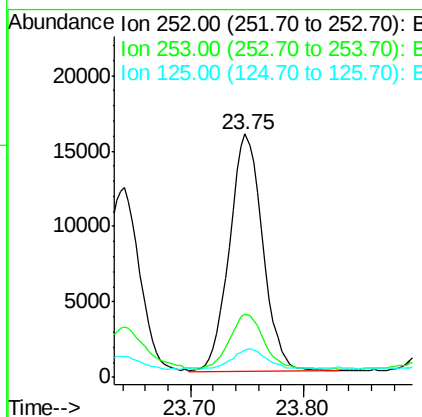
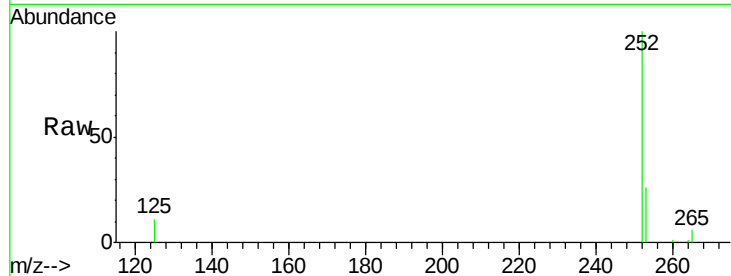
#37
Benzo(a)pyrene
Concen: 0.360 ng
RT: 23.75 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BE099450.D
Acq: 1 May 2019 6:02

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW026-042219

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.9	28.3
125	11.1	6.7	10.1

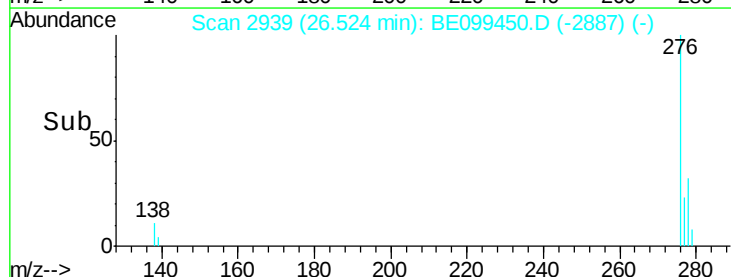
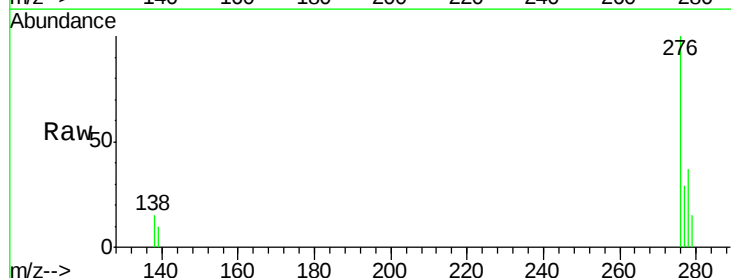
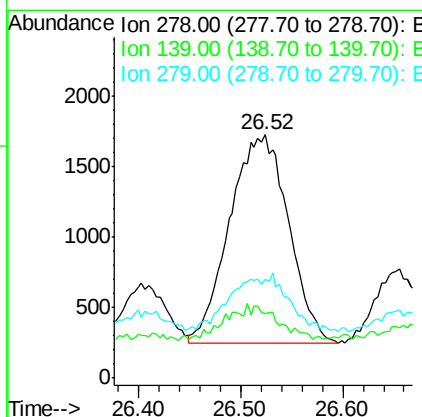
Manual Integrations
APPROVED

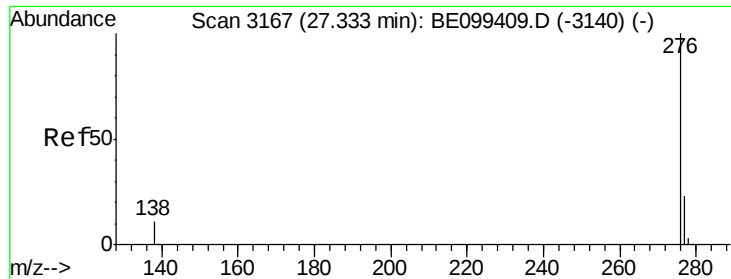
Sohil
5/1/2019 12:03:31 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.065 ng
RT: 26.52 min Scan# 2939
Delta R.T. -0.01 min
Lab File: BE099450.D
Acq: 1 May 2019 6:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.3	7.7	11.5
279	40.9	20.2	30.2





#39

Benzo(g,h,i)perylene

Concen: 0.273 ng

RT: 27.32 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BE099450.D

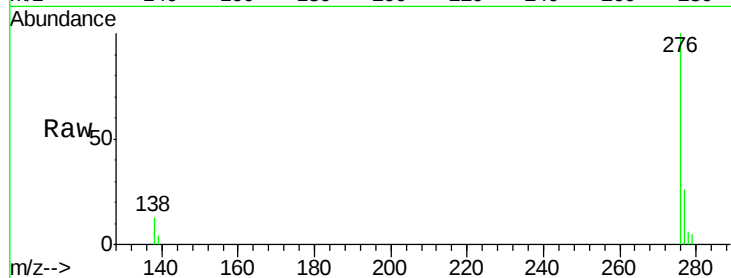
Acq: 1 May 2019 6:02

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW026-042219



Tgt Ion:	276	Resp:	24907
Ion Ratio		Lower	Upper
276	100		
277	25.9	19.5	29.3
138	13.2	9.6	14.4

Manual Integrations
APPROVED

Sohil
5/1/2019 12:03:31 PM

