

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099448.D
 Acq On : 1 May 2019 4:50
 Operator : JU/SJ
 Sample : K2568-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW046-042219

Manual Integrations
 APPROVED

Sohil
 5/1/2019 12:03:29 PM

Quant Time: May 01 07:29:11 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	2449	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	9460	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	7573	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	24926	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29398	0.40	ng	0.00
34) Perylene-d12	23.87	264	33943	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2585	0.38	ng	0.00
5) Phenol-d6	6.97	99	4021	0.45	ng	0.00
8) Nitrobenzene-d5	8.96	82	3303	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	6258	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	2116	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	9349	0.32	ng	-0.01
25) Fluoranthene-d10	19.22	212	114242	0.34	ng	0.00
29) Terphenyl-d14	19.81	244	24662	0.46	ng	0.00

Target Compounds

						Qvalue
12) 2-Methylnaphthalene	12.27	142	1362	0.076	ng	95
16) Acenaphthylene	14.18	152	818	0.022	ng	# 83
23) Phenanthrene	17.23	178	4048	0.063	ng	# 96
26) Fluoranthene	19.25	202	5773	0.060	ng	97
28) Pyrene	19.61	202	6848	0.089	ng	95
30) Benzo(a)anthracene	21.34	228	3582	0.038	ng	# 74
31) Chrysene	21.40	228	4674	0.051	ng	# 82
33) Indeno(1,2,3-cd)pyrene	26.51	276	2778	0.026	ng	# 93
35) Benzo(b)fluoranthene	23.10	252	5414	0.055	ng	# 26
36) Benzo(k)fluoranthene	23.14	252	2171m	0.023	ng	
37) Benzo(a)pyrene	23.75	252	3621	0.039	ng	# 28
39) Benzo(g,h,i)perylene	27.33	276	3203	0.034	ng	# 64

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

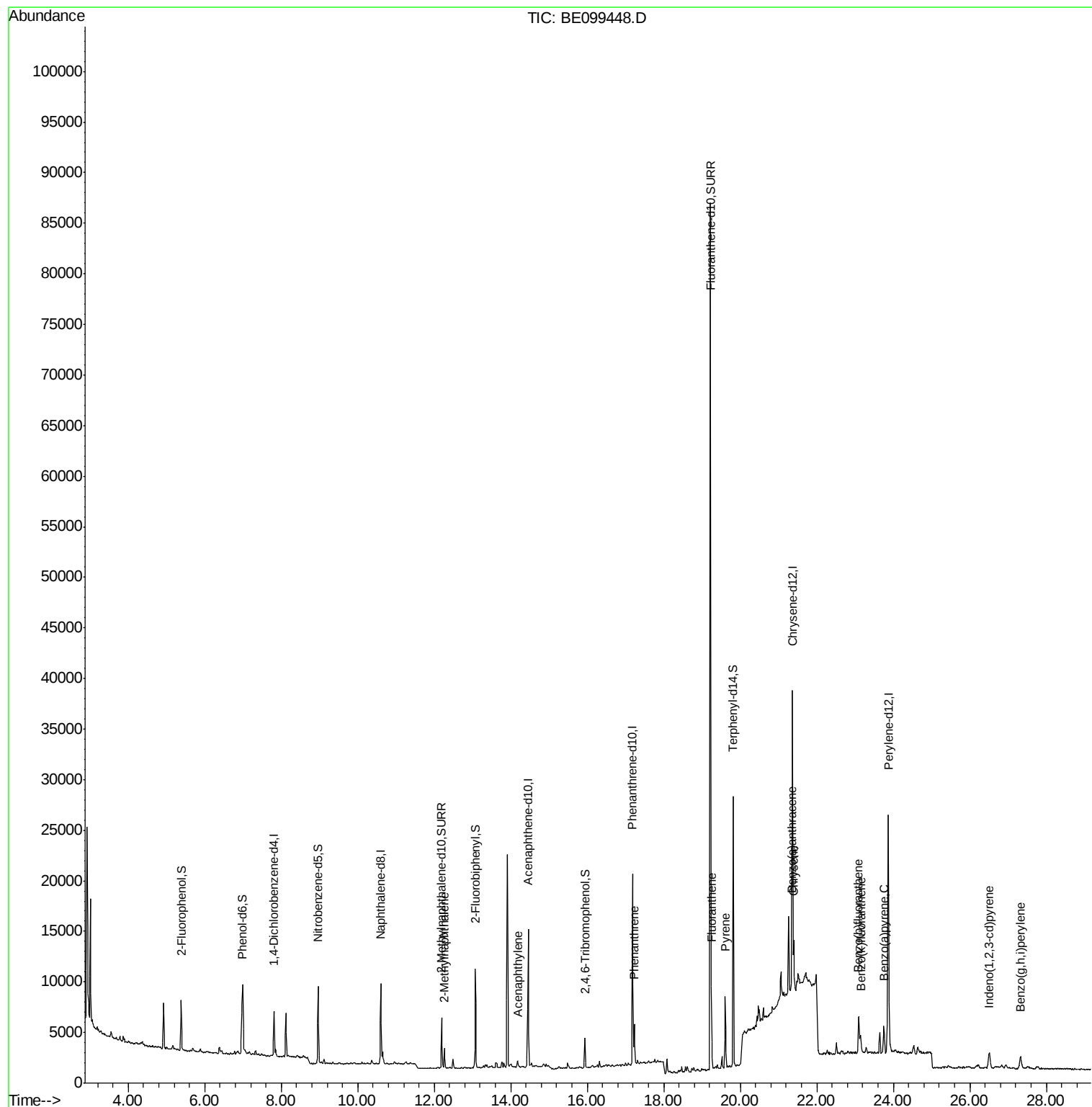
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
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ALS Vial : 31 Sample Multiplier: 1

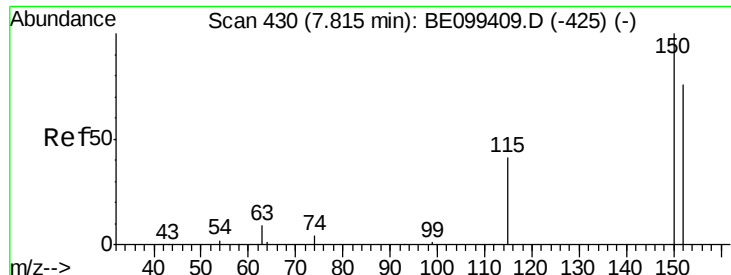
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099448.D

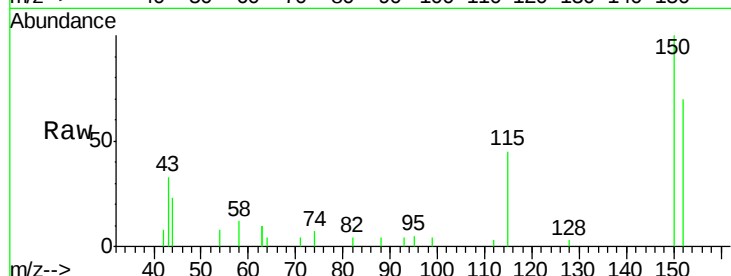
Acq: 1 May 2019 4:50

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW046-042219



Tgt Ion:152 Resp: 2449

Ion Ratio Lower Upper

152 100

150 142.4 104.8 157.2

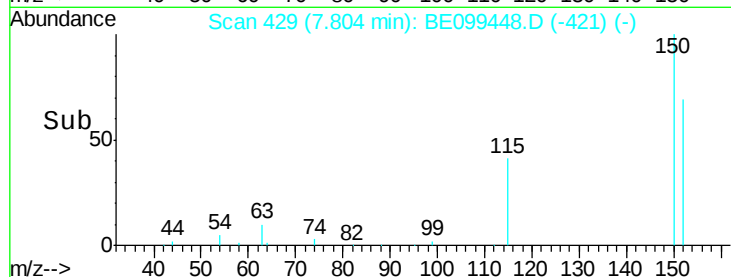
115 63.5 46.6 69.8

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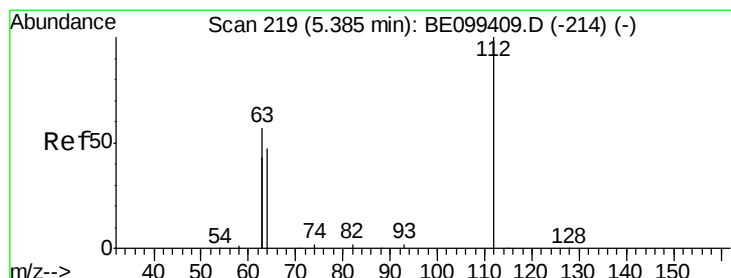
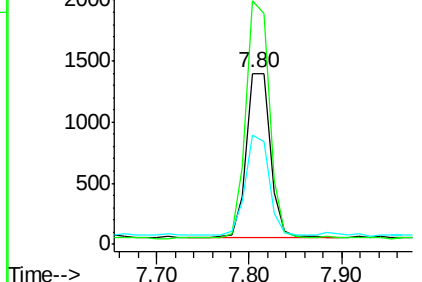


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



#4

2-Fluorophenol

Concen: 0.382 ng

RT: 5.39 min Scan# 219

Delta R.T. -0.00 min

Lab File: BE099448.D

Acq: 1 May 2019 4:50

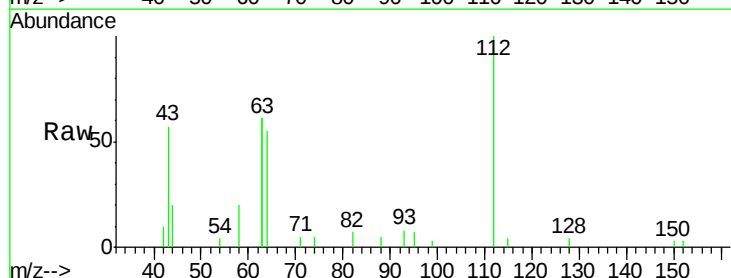
Tgt Ion:112 Resp: 2585

Ion Ratio Lower Upper

112 100

64 58.4 47.4 71.0

63 130.7 104.3 156.5

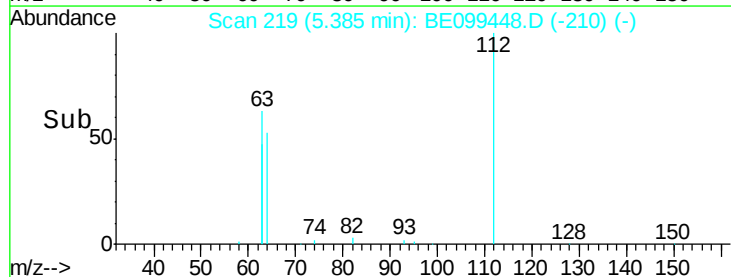
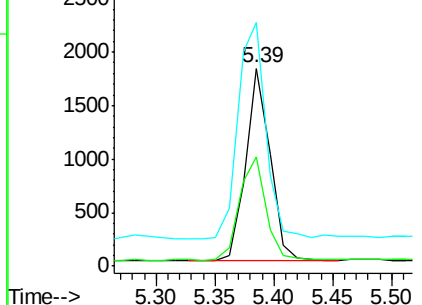


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->





#5

Phenol-d6

Concen: 0.446 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099448.D

Acq: 1 May 2019 4:50

Instrument :

BNA_E

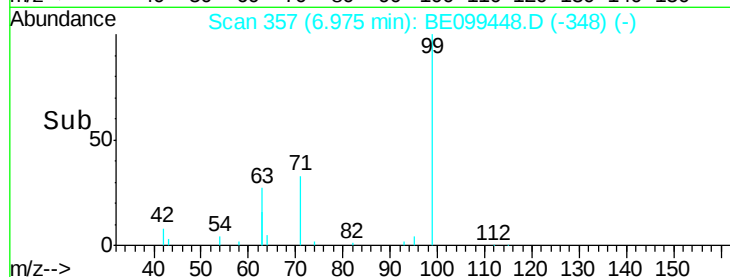
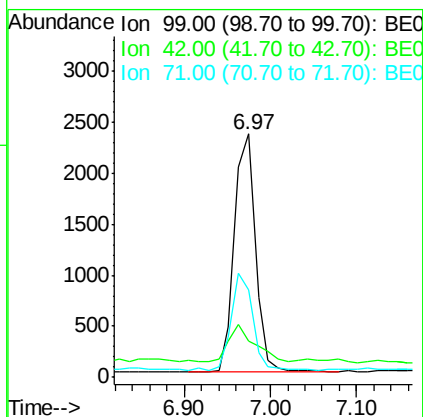
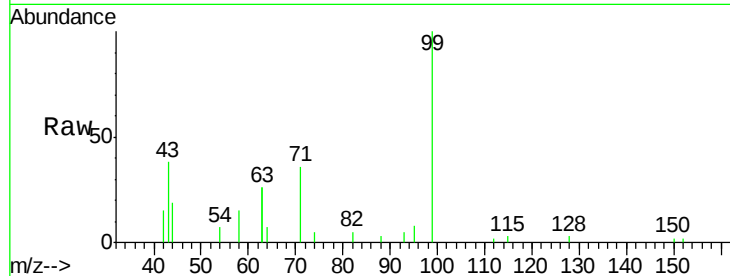
ClientSampleId :

EXT-026-SW046-042219

Tgt Ion:	99	Resp:	4021
Ion Ratio	Lower	Upper	
99	100		
42	19.2	14.9	22.3
71	40.1	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

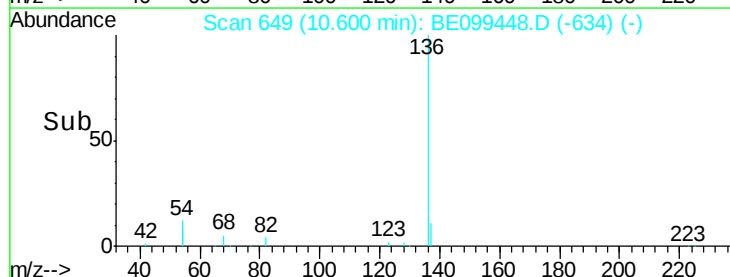
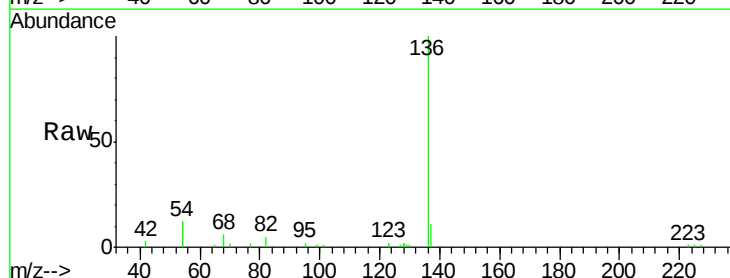
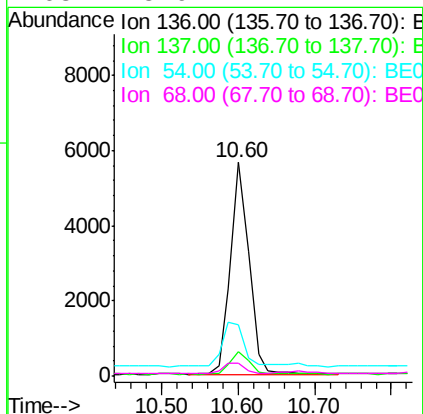
RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099448.D

Acq: 1 May 2019 4:50

Tgt Ion:	136	Resp:	9460
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.8	14.8
54	23.8	18.5	27.7
68	5.9	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.373 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099448.D

Acq: 1 May 2019 4:50

Instrument :

BNA_E

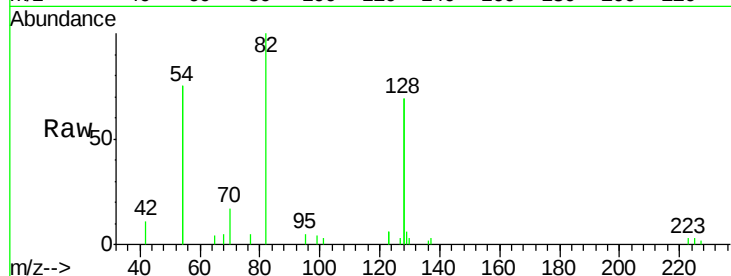
ClientSampleId :

EXT-026-SW046-042219

Tgt Ion:	82	Resp:	3303
Ion Ratio	Lower	Upper	
82	100		
128	137.4	107.0	160.4
54	149.8	113.1	169.7

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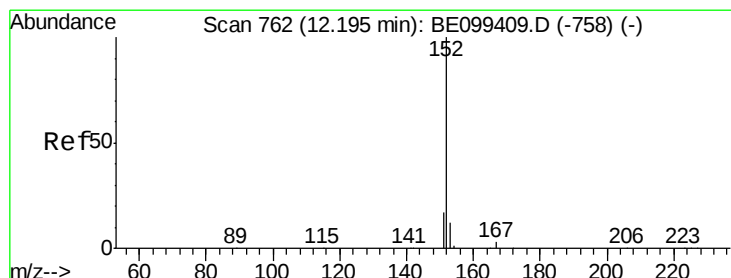
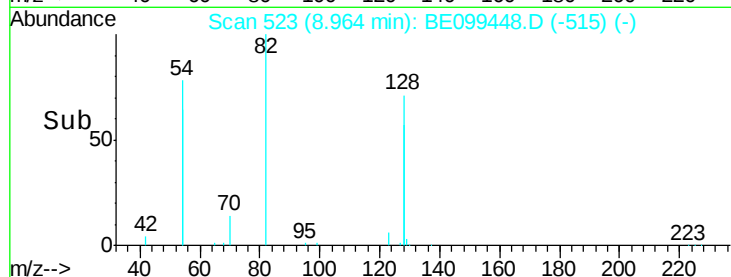
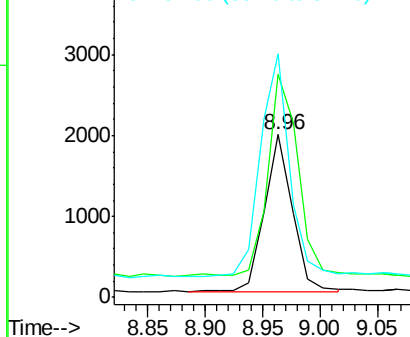
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Abundance Ion 82.00 (81.70 to 82.70): BE099448.D (-515) (-)

Ion 128.00 (127.70 to 128.70): BE099448.D (-515) (-)

Ion 54.00 (53.70 to 54.70): BE099448.D (-515) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.367 ng

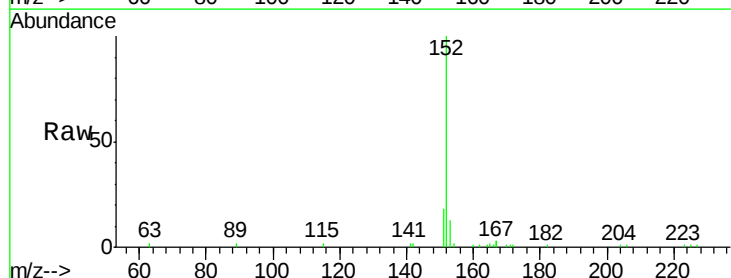
RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE099448.D

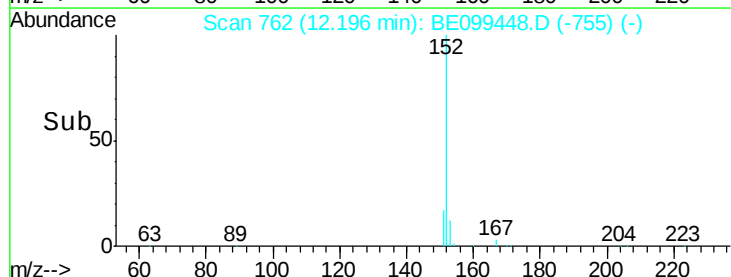
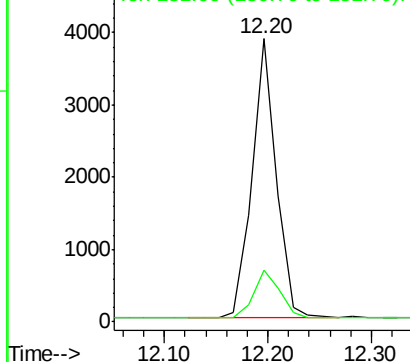
Acq: 1 May 2019 4:50

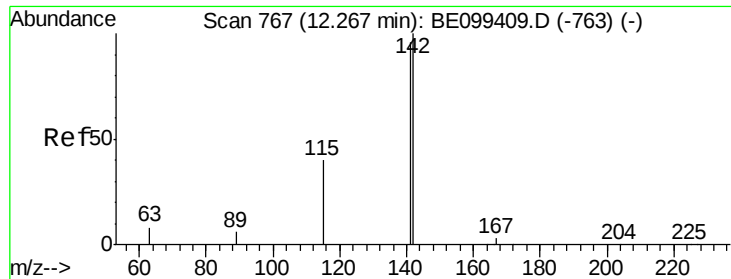
Tgt Ion:	152	Resp:	6258
Ion Ratio	Lower	Upper	
152	100		
151	19.0	15.5	23.3



Abundance Ion 152.00 (151.70 to 152.70): BE099448.D (-755) (-)

Ion 151.00 (150.70 to 151.70): BE099448.D (-755) (-)





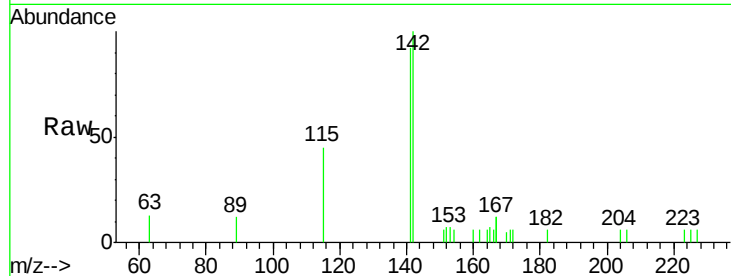
#12
 2-Methylnaphthalene
 Concen: 0.076 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE099448.D
 Acq: 1 May 2019 4:50

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW046-042219

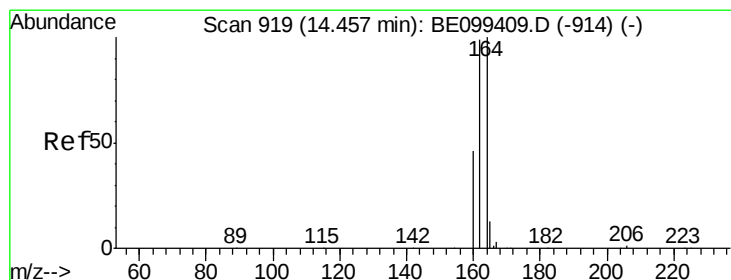
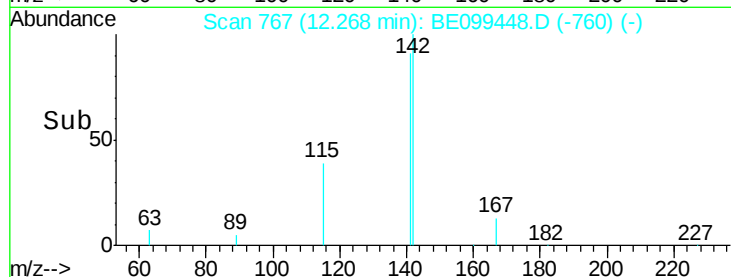
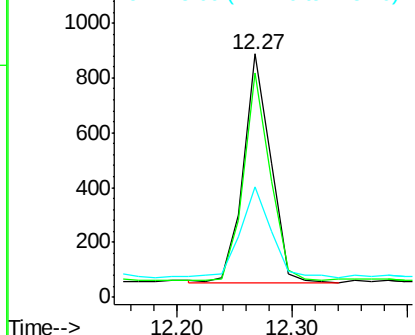
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	77.0	115.4
115	45.4	33.4	50.0

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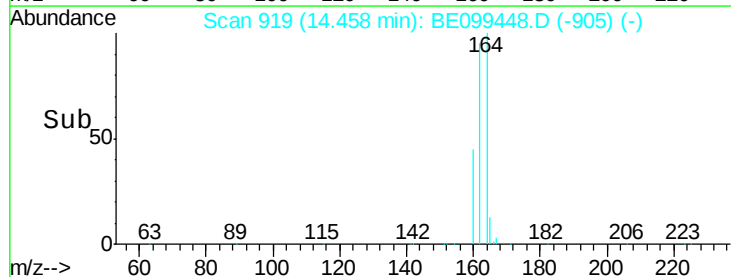
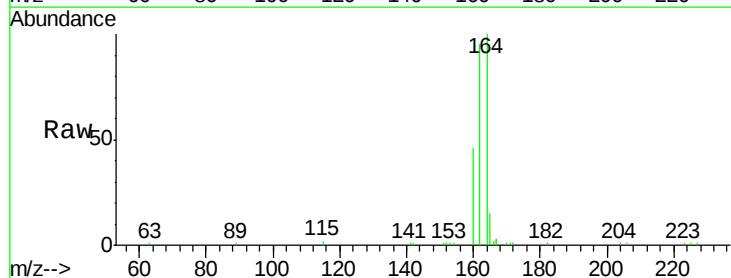
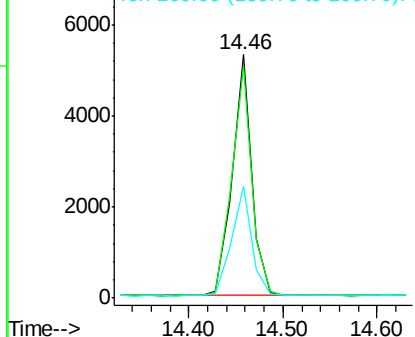
Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

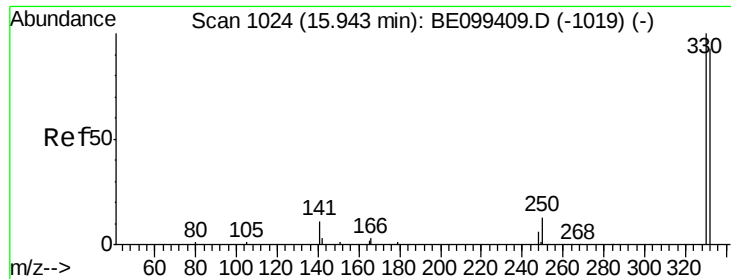


#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: BE099448.D
 Acq: 1 May 2019 4:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.1	79.0	118.4
160	45.8	37.0	55.4

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.444 ng

RT: 15.94 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BE099448.D

Acq: 1 May 2019 4:50

Instrument :

BNA_E

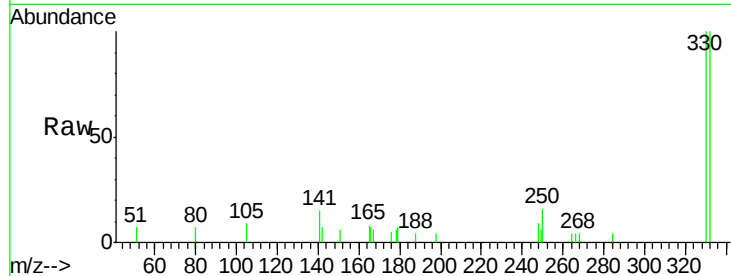
ClientSampleId :

EXT-026-SW046-042219

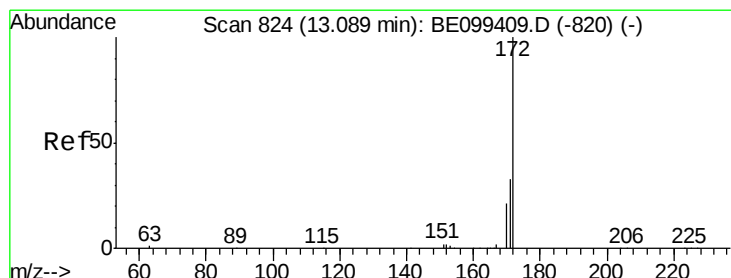
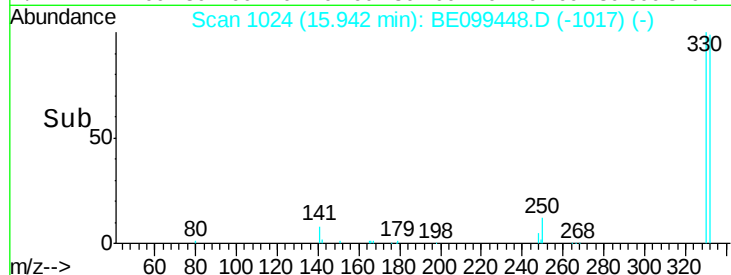
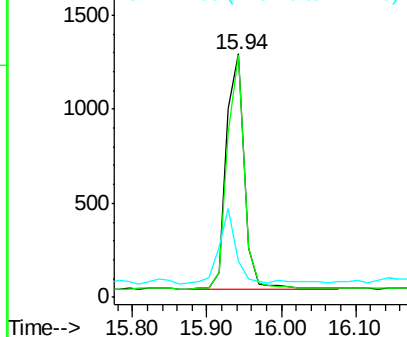
Tgt Ion:	330	Resp:	2116
Ion Ratio	Lower	Upper	
330	100		
332	94.0	71.5	107.3
141	29.8	24.0	36.0

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Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#15

2-Fluorobiphenyl

Concen: 0.324 ng

RT: 13.07 min Scan# 823

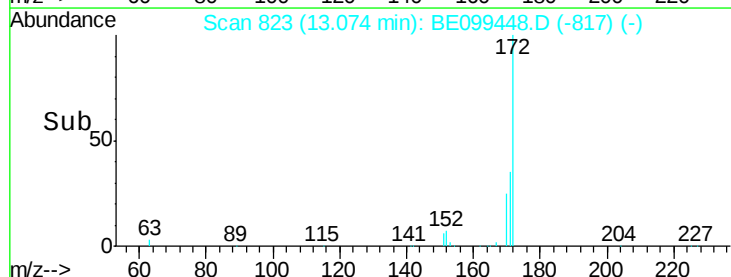
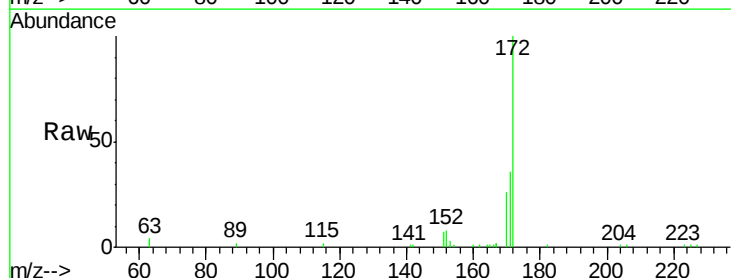
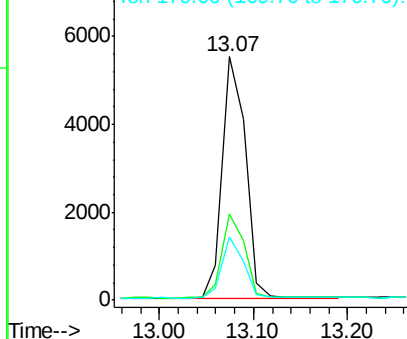
Delta R.T. -0.01 min

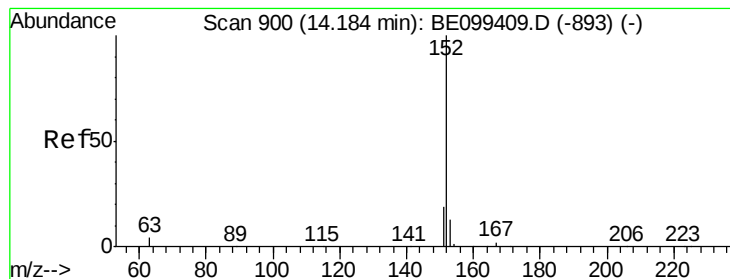
Lab File: BE099448.D

Acq: 1 May 2019 4:50

Tgt Ion:	172	Resp:	9349
Ion Ratio	Lower	Upper	
172	100		
171	35.6	26.6	39.8
170	25.8	17.0	25.6#

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: 0.022 ng

RT: 14.18 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE099448.D

Acq: 1 May 2019 4:50

Instrument :

BNA_E

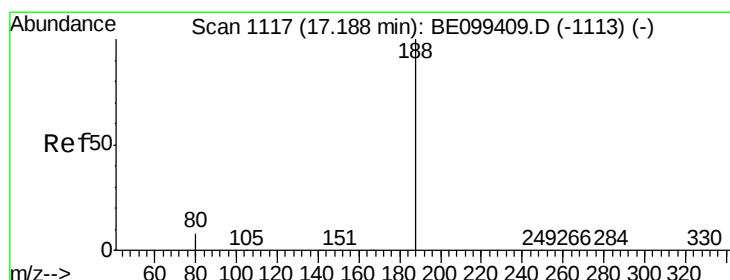
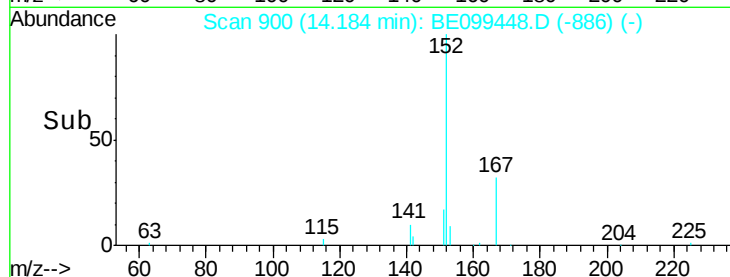
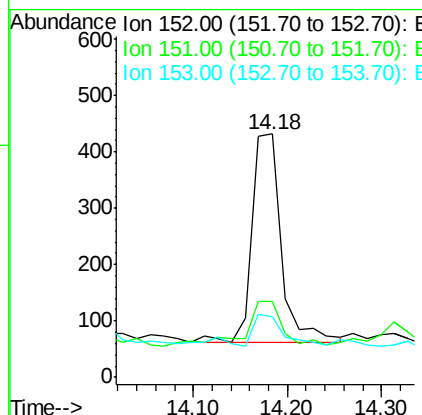
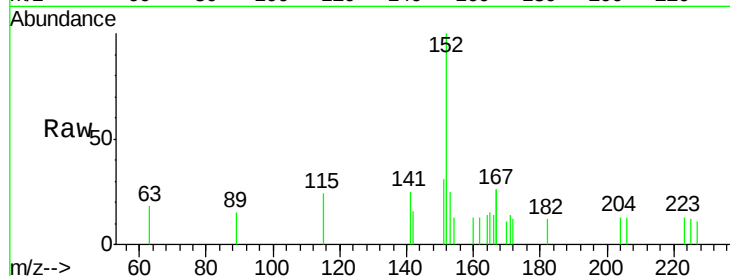
ClientSampleId :

EXT-026-SW046-042219

Tgt Ion	Ratio	Lower	Upper
152	100		
151	28.2	15.4	23.2#
153	17.1	9.8	14.6#

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#19

Phenanthrene-d10

Concen: 0.400 ng

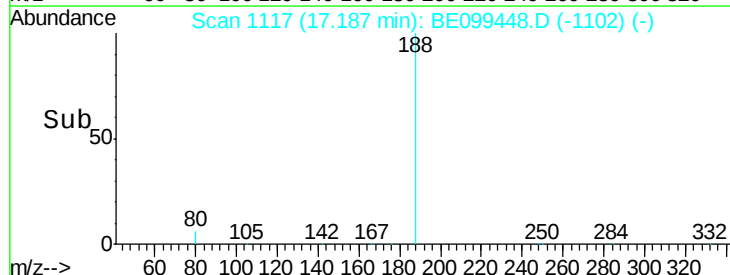
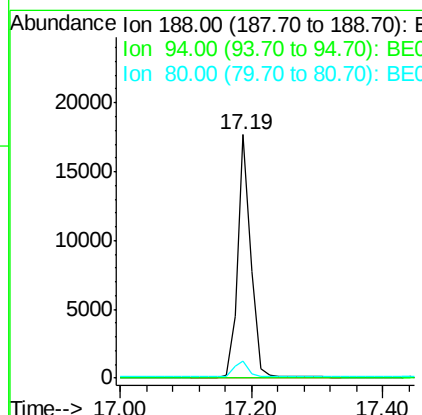
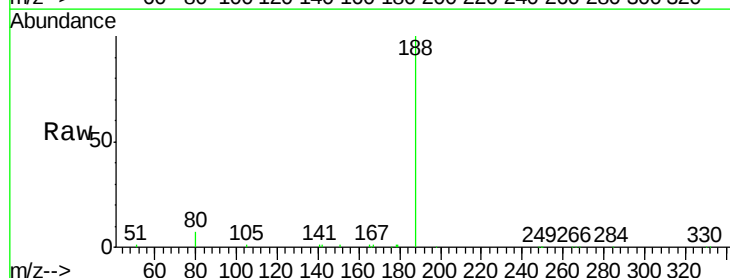
RT: 17.19 min Scan# 1117

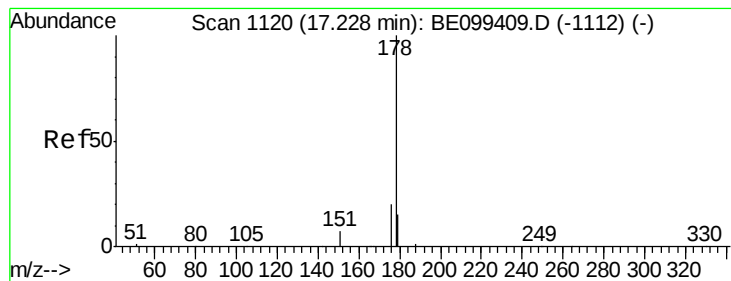
Delta R.T. -0.00 min

Lab File: BE099448.D

Acq: 1 May 2019 4:50

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





#23

Phenanthrene

Concen: 0.063 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099448.D

Acq: 1 May 2019 4:50

Instrument :

BNA_E

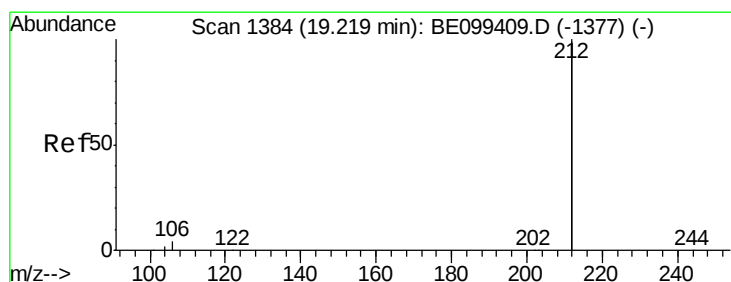
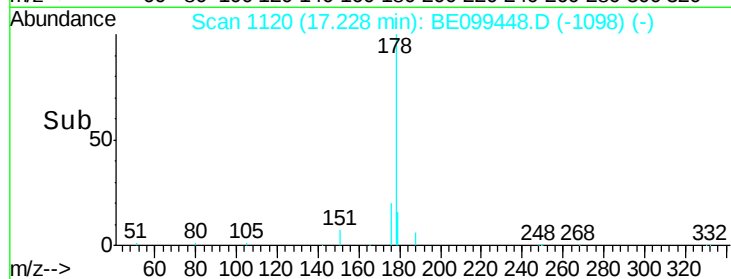
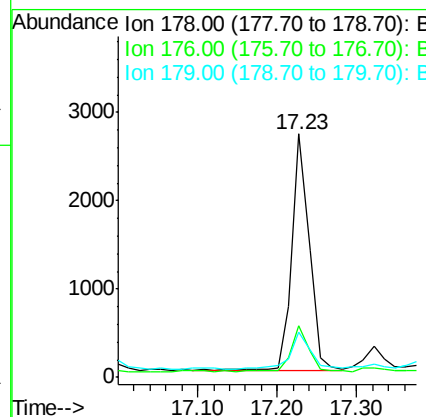
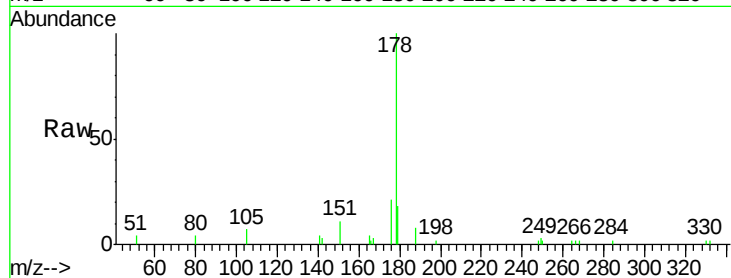
ClientSampleId :

EXT-026-SW046-042219

Tgt Ion:	178	Resp:	4048
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.6	23.4
179	18.1	12.0	18.0#

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.340 ng

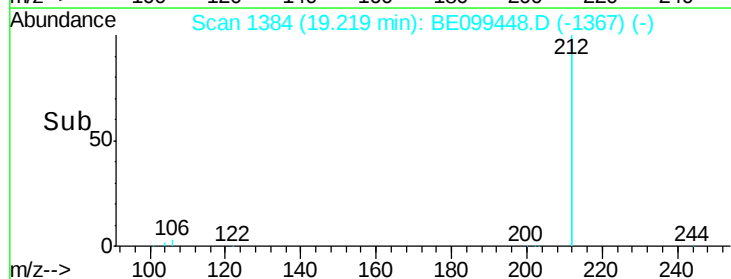
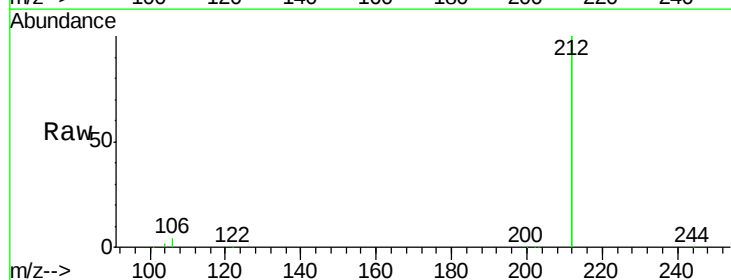
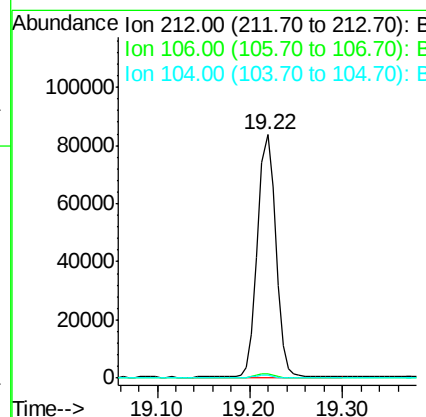
RT: 19.22 min Scan# 1384

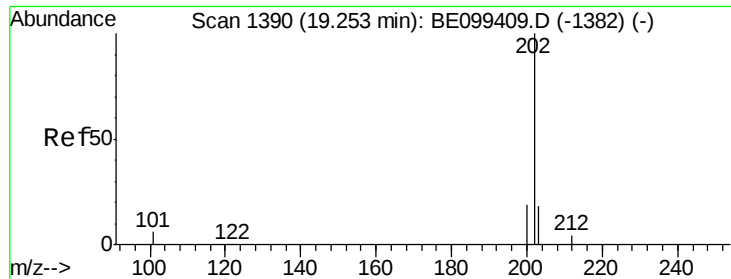
Delta R.T. -0.00 min

Lab File: BE099448.D

Acq: 1 May 2019 4:50

Tgt Ion:	212	Resp:	114242
Ion Ratio	Lower	Upper	
212	100		
106	1.8	1.5	2.3
104	1.1	0.9	1.3





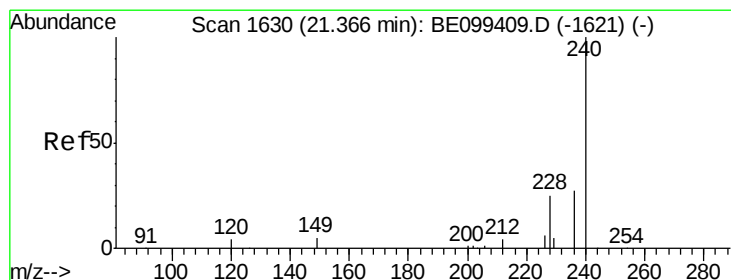
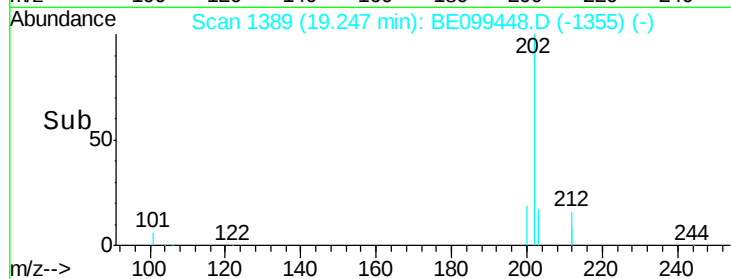
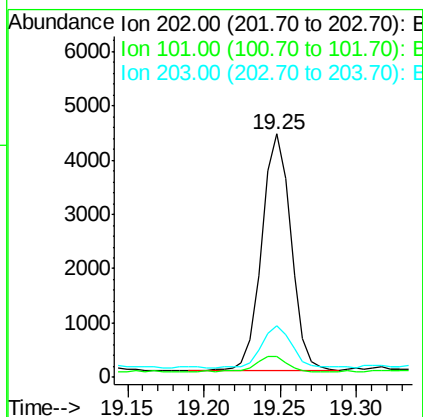
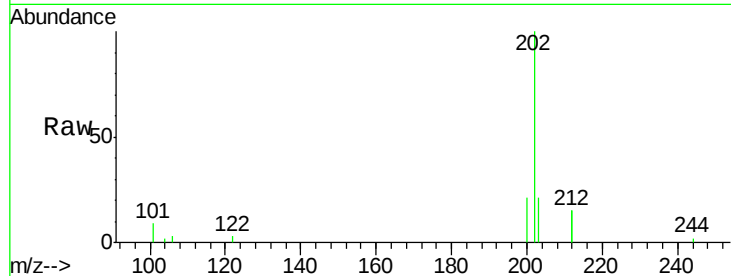
#26
Fluoranthene
 Concen: 0.060 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BE099448.D
 Acq: 1 May 2019 4:50

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW046-042219

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.3	5.4	8.0
203	18.8	13.9	20.9

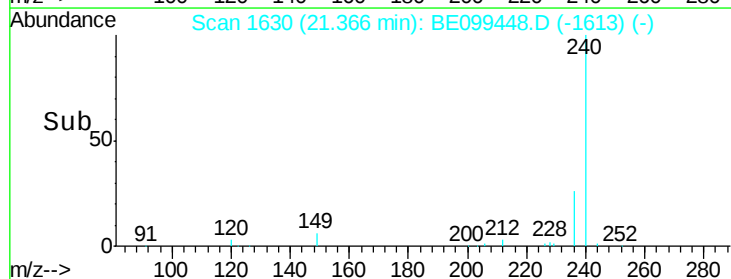
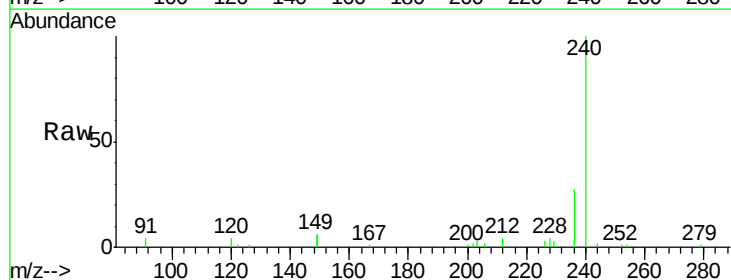
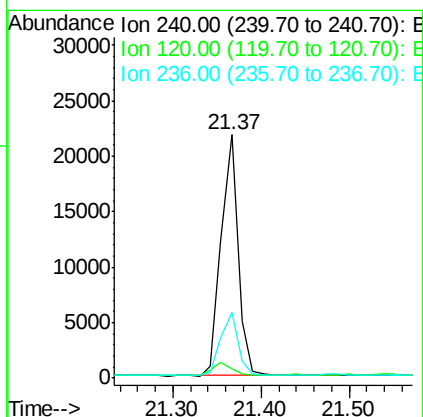
Manual Integrations
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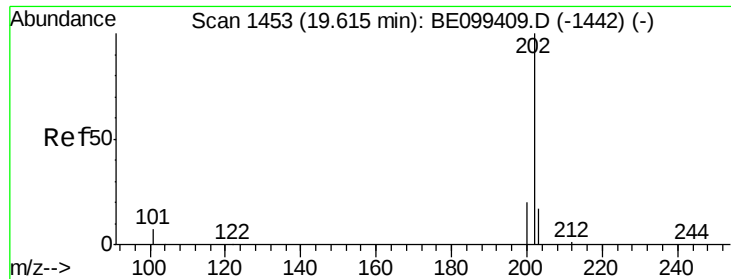
Sohil
 5/1/2019 12:03:29 PM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099448.D
 Acq: 1 May 2019 4:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	3.8	4.0	6.0#
236	27.1	22.0	33.0





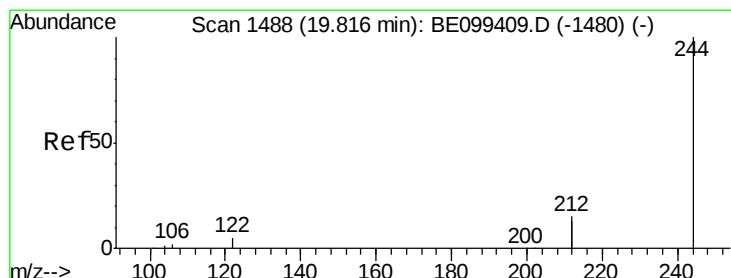
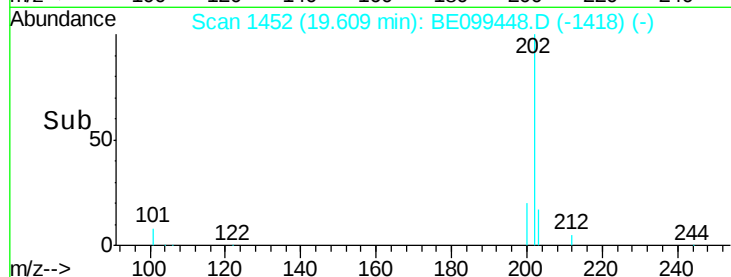
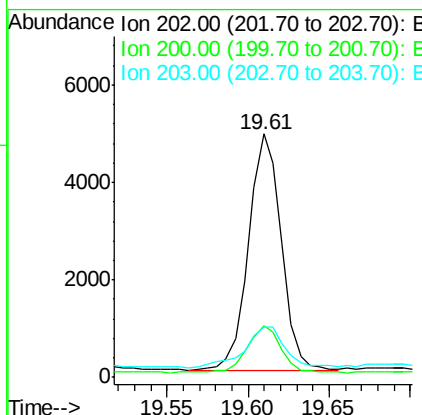
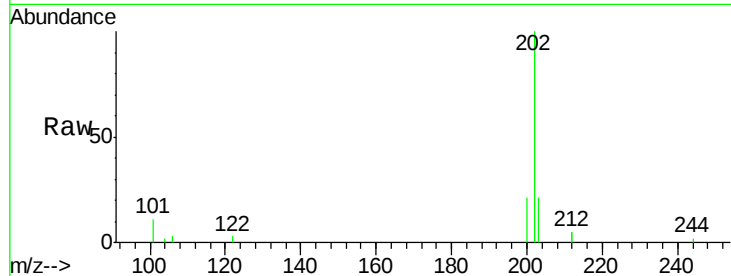
#28
 Pyrene
 Concen: 0.089 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099448.D
 Acq: 1 May 2019 4:50

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW046-042219

Tgt Ion:	202	Resp:	6848
Ion Ratio	Lower	Upper	
202	100		
200	20.4	15.7	23.5
203	20.8	13.9	20.9

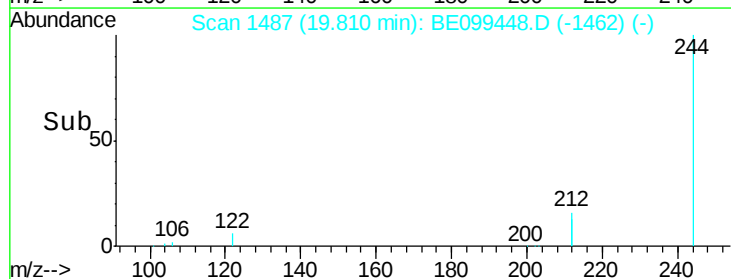
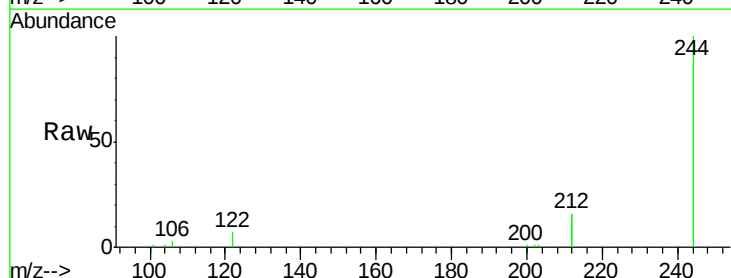
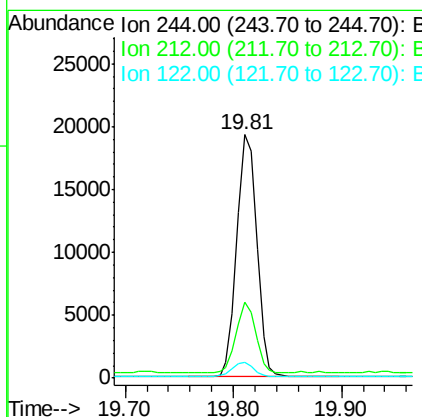
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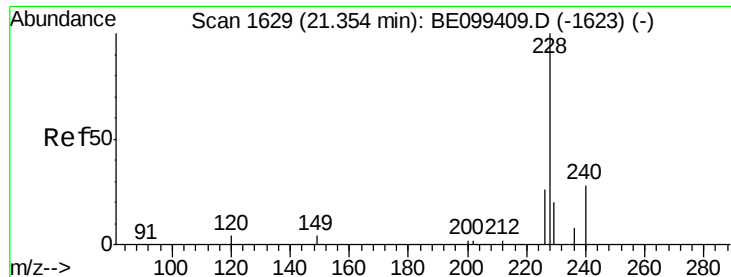
Sohil
 5/1/2019 12:03:29 PM



#29
 Terphenyl-d14
 Concen: 0.458 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099448.D
 Acq: 1 May 2019 4:50

Tgt Ion:	244	Resp:	24662
Ion Ratio	Lower	Upper	
244	100		
212	31.2	23.2	34.8
122	6.6	4.2	6.4#





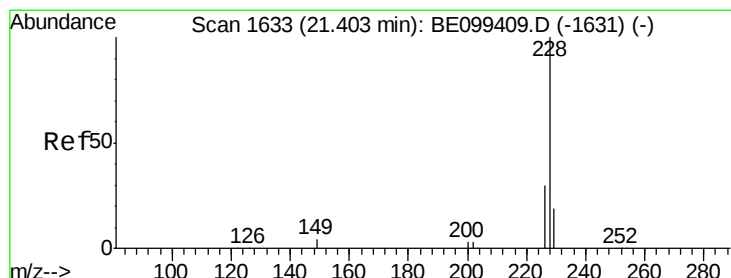
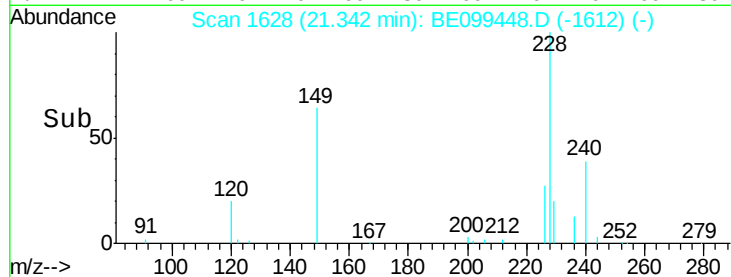
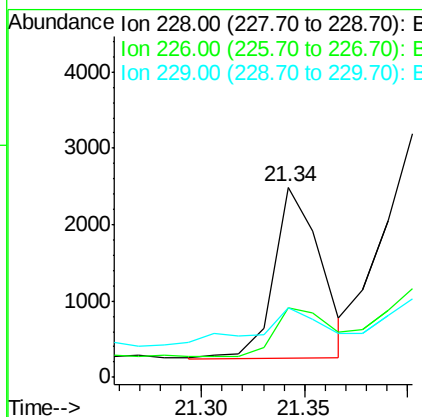
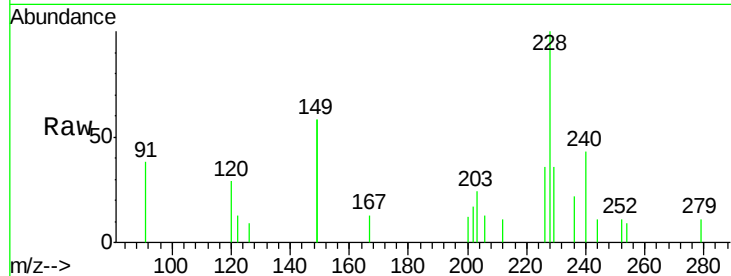
#30
Benzo(a)anthracene
Concen: 0.038 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099448.D
Acq: 1 May 2019 4:50

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW046-042219

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.5	21.0	31.6#
229	36.2	16.6	25.0#

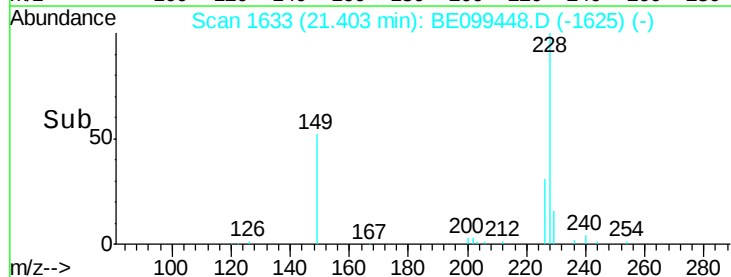
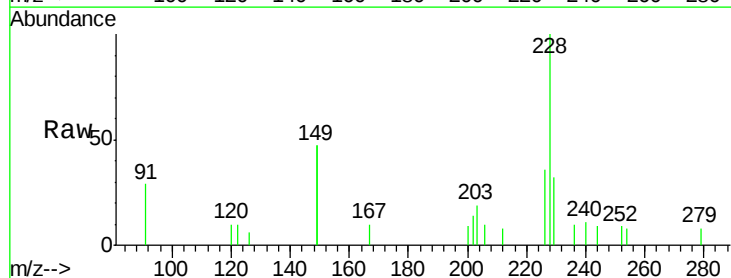
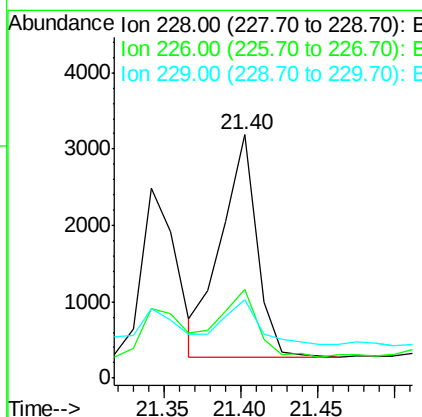
Manual Integrations
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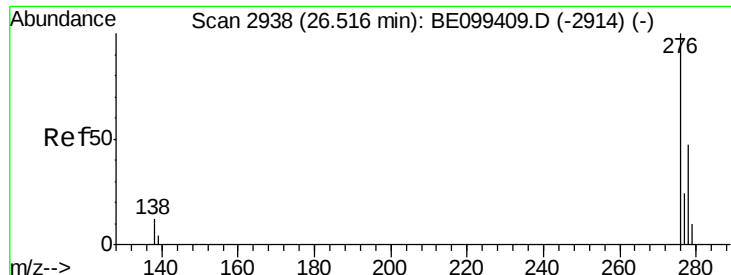
Sohil
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#31
Chrysene
Concen: 0.051 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099448.D
Acq: 1 May 2019 4:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.3	24.0	36.0#
229	32.5	15.8	23.8#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.026 ng

RT: 26.51 min Scan# 2935

Delta R.T. -0.01 min

Lab File: BE099448.D

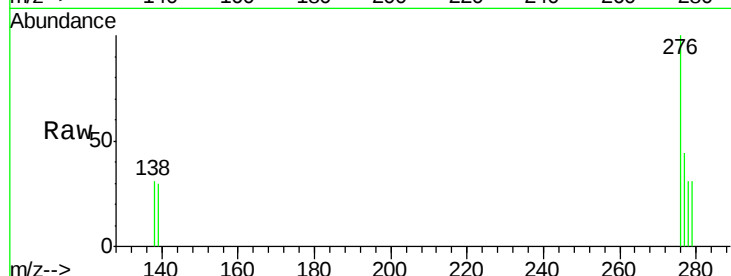
Acq: 1 May 2019 4:50

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW046-042219



Tgt Ion: 276 Resp: 2778

Ion Ratio Lower Upper

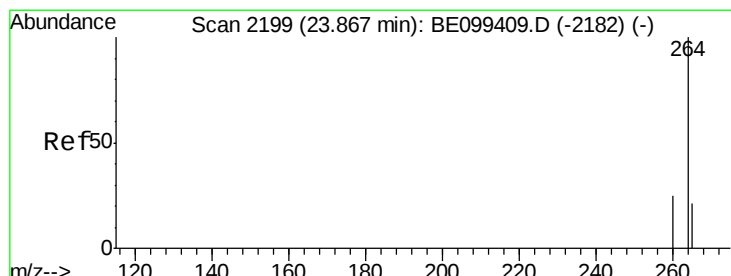
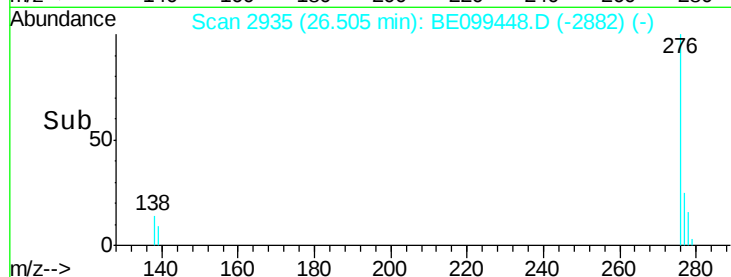
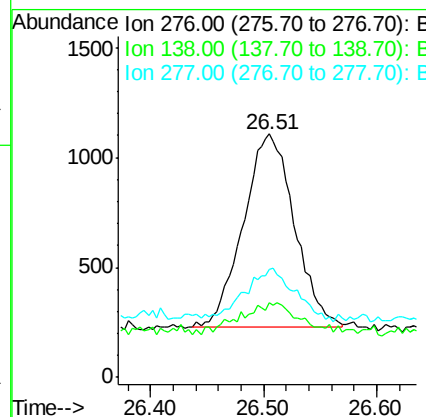
276 100

138 9.8 10.2 15.2#

277 27.4 19.2 28.8

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#34

Perylene-d12

Concen: 0.400 ng

RT: 23.87 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BE099448.D

Acq: 1 May 2019 4:50

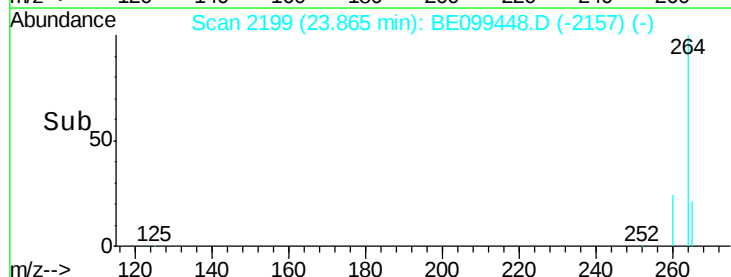
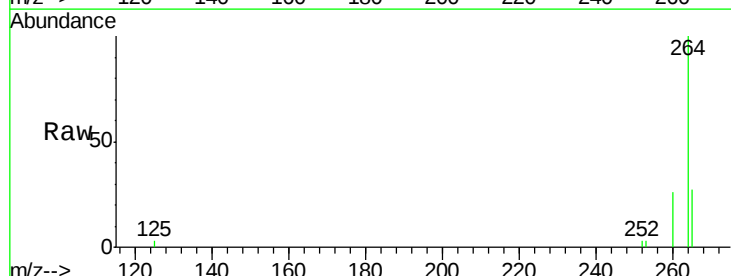
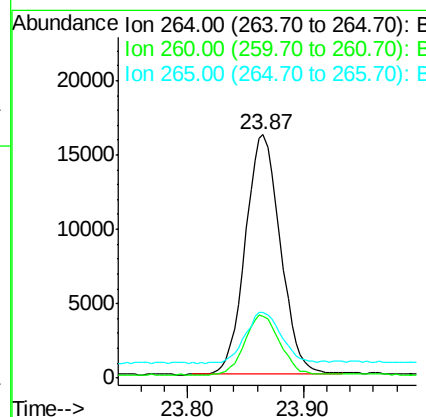
Tgt Ion: 264 Resp: 33943

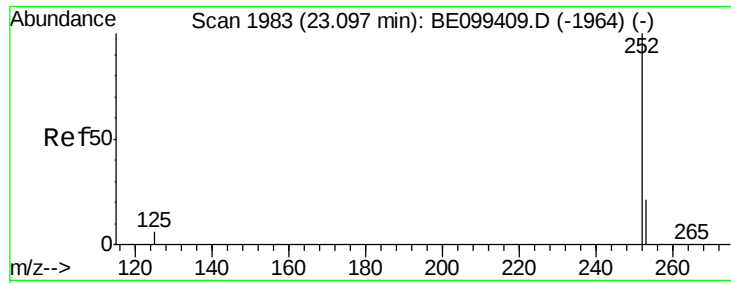
Ion Ratio Lower Upper

264 100

260 25.5 20.2 30.2

265 27.2 21.3 31.9





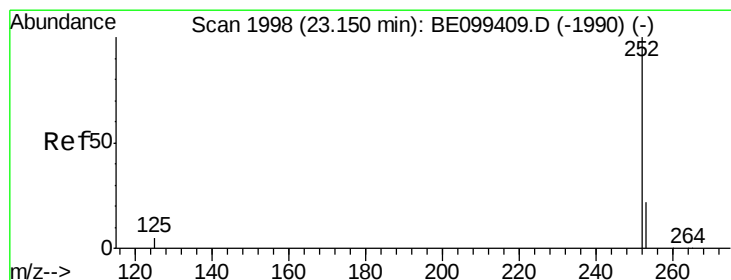
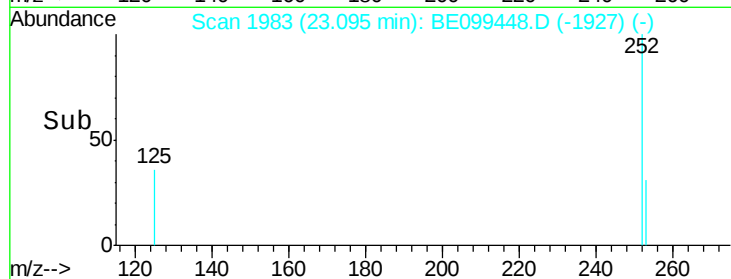
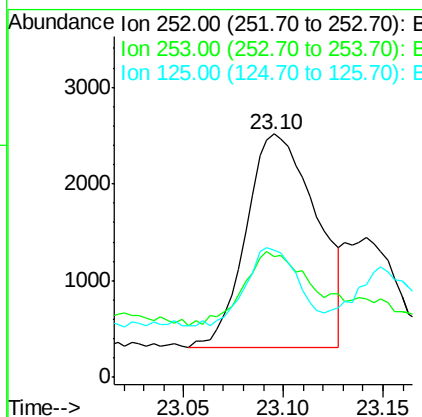
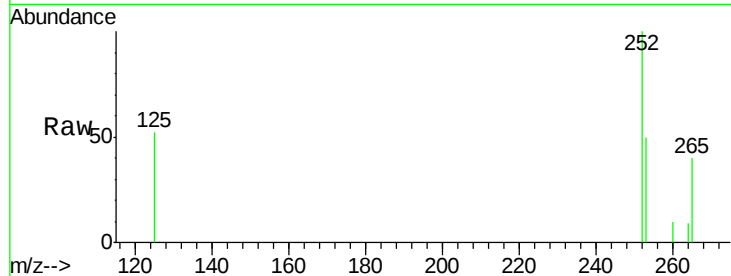
#35
Benzo(b)fluoranthene
Concen: 0.055 ng
RT: 23.10 min Scan# 1983
Delta R.T. -0.00 min
Lab File: BE099448.D
Acq: 1 May 2019 4:50

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW046-042219

Tgt Ion	Ratio	Lower	Upper
252	100		
253	49.5	18.1	27.1#
125	52.2	5.6	8.4#

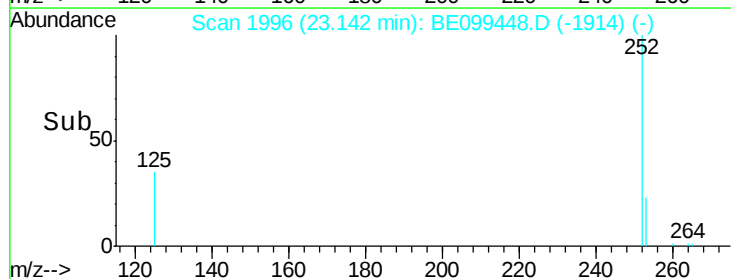
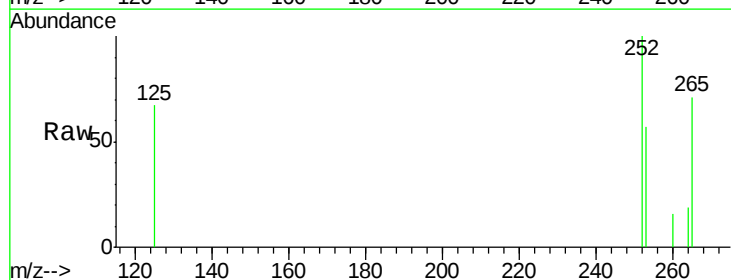
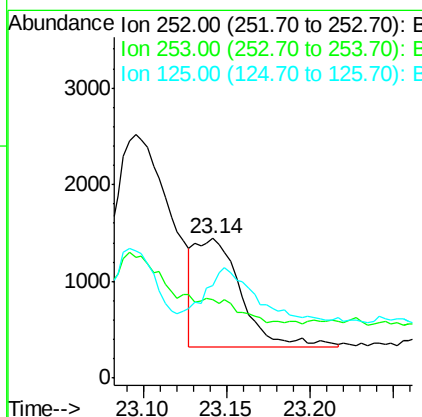
Manual Integrations
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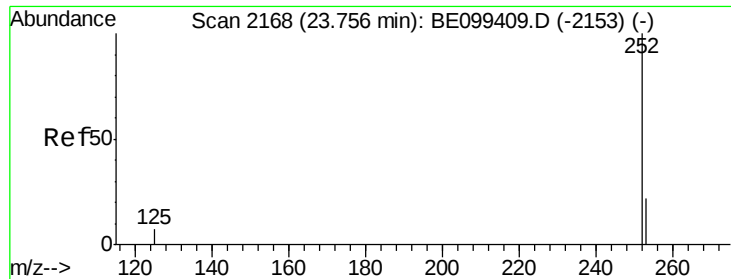
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.023 ng m
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099448.D
Acq: 1 May 2019 4:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	56.7	18.4	27.6#
125	66.8	5.0	7.4#





#37

Benzo(a)pyrene

Concen: 0.039 ng

RT: 23.75 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BE099448.D

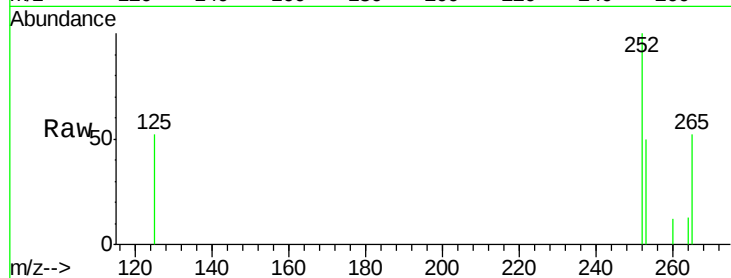
Acq: 1 May 2019 4:50

Instrument :

BNA_E

ClientSampleId :

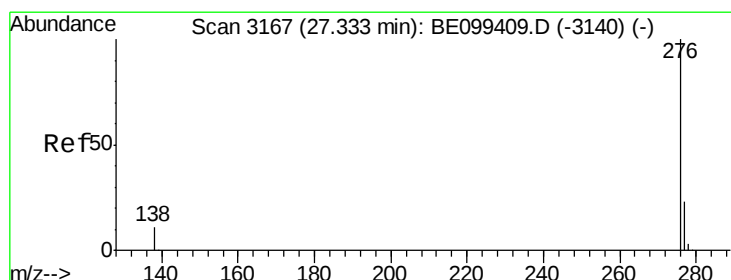
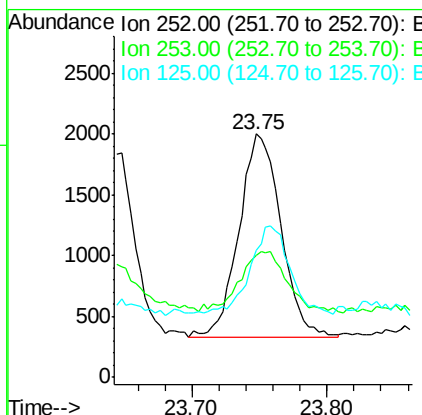
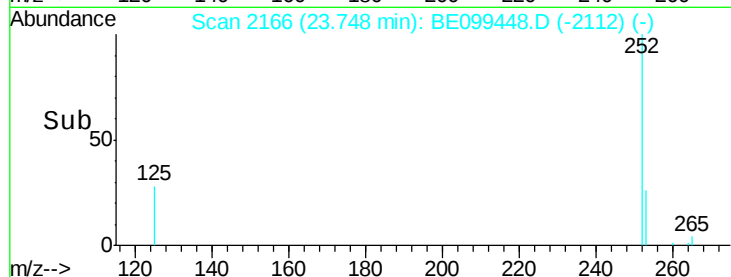
EXT-026-SW046-042219



Tgt Ion:	252	Resp:	3621
Ion Ratio	Lower	Upper	
252	100		
253	50.3	18.9	28.3#
125	52.3	6.7	10.1#

Manual Integrations
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#39

Benzo(g,h,i)perylene

Concen: 0.034 ng

RT: 27.33 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BE099448.D

Acq: 1 May 2019 4:50

Tgt Ion:	276	Resp:	3203
Ion Ratio	Lower	Upper	
276	100		
277	41.6	19.5	29.3#
138	26.5	9.6	14.4#

