

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
 Data File : BE100149.D
 Acq On : 22 Jun 2019 00:58
 Operator : JU/SJ
 Sample : K3428-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW160-061319

Manual Integrations
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mohammad
 6/25/2019 3:21:35 PM

Quant Time: Jun 22 03:24:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 19 15:07:24 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	789	0.40	ng	-0.01
7) Naphthalene-d8	10.52	136	2999	0.40	ng	-0.01
13) Acenaphthene-d10	14.40	164	2571	0.40	ng	-0.01
19) Phenanthrene-d10	17.15	188	7520	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	9606	0.40	ng	0.00
34) Perylene-d12	23.83	264	11866	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.29	112	683	0.42	ng	-0.01
5) Phenol-d6	6.89	99	966	0.43	ng	-0.03
8) Nitrobenzene-d5	8.90	82	927	0.32	ng	-0.01
11) 2-Methylnaphthalene-d10	12.14	152	154	0.03	ng	-0.01
14) 2,4,6-Tribromophenol	15.90	330	538	0.38	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	2842	0.28	ng	-0.01
25) Fluoranthene-d10	19.19	212	2491	0.02	ng	0.00
29) Terphenyl-d14	19.79	244	5657	0.29	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.58	128	10434	0.320	ng	99
12) 2-Methylnaphthalene	12.21	142	2385	0.445	ng	94
16) Acenaphthylene	14.12	152	17785	1.457	ng	98
17) Acenaphthene	14.47	154	1989	0.291	ng	98
18) Fluorene	15.45	166	6467	0.636	ng	# 83
23) Phenanthrene	17.19	178	135559	7.524	ng	99
24) Anthracene	17.28	178	13396	0.882	ng	97
26) Fluoranthene	19.22	202	193311	6.684	ng	98
28) Pyrene	19.58	202	300284	12.162	ng	96
30) Benzo(a)anthracene	21.32	228	154965	5.423	ng	96
31) Chrysene	21.38	228	197929	5.961	ng	97
32) Bis(2-ethylhexyl)phthalate	21.24	149	24013	0.891	ng	97
33) Indeno(1,2,3-cd)pyrene	26.47	276	92646	2.480	ng	# 97
35) Benzo(b)fluoranthene	23.07	252	166471	4.781	ng	# 98
36) Benzo(k)fluoranthene	23.11	252	53485m	1.350	ng	
37) Benzo(a)pyrene	23.72	252	141740m	4.217	ng	
38) Dibenzo(a,h)anthracene	26.49	278	27545	0.800	ng	# 89
39) Benzo(a,h,i)perylene	27.29	276	108181	3.022	ng	# 96

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

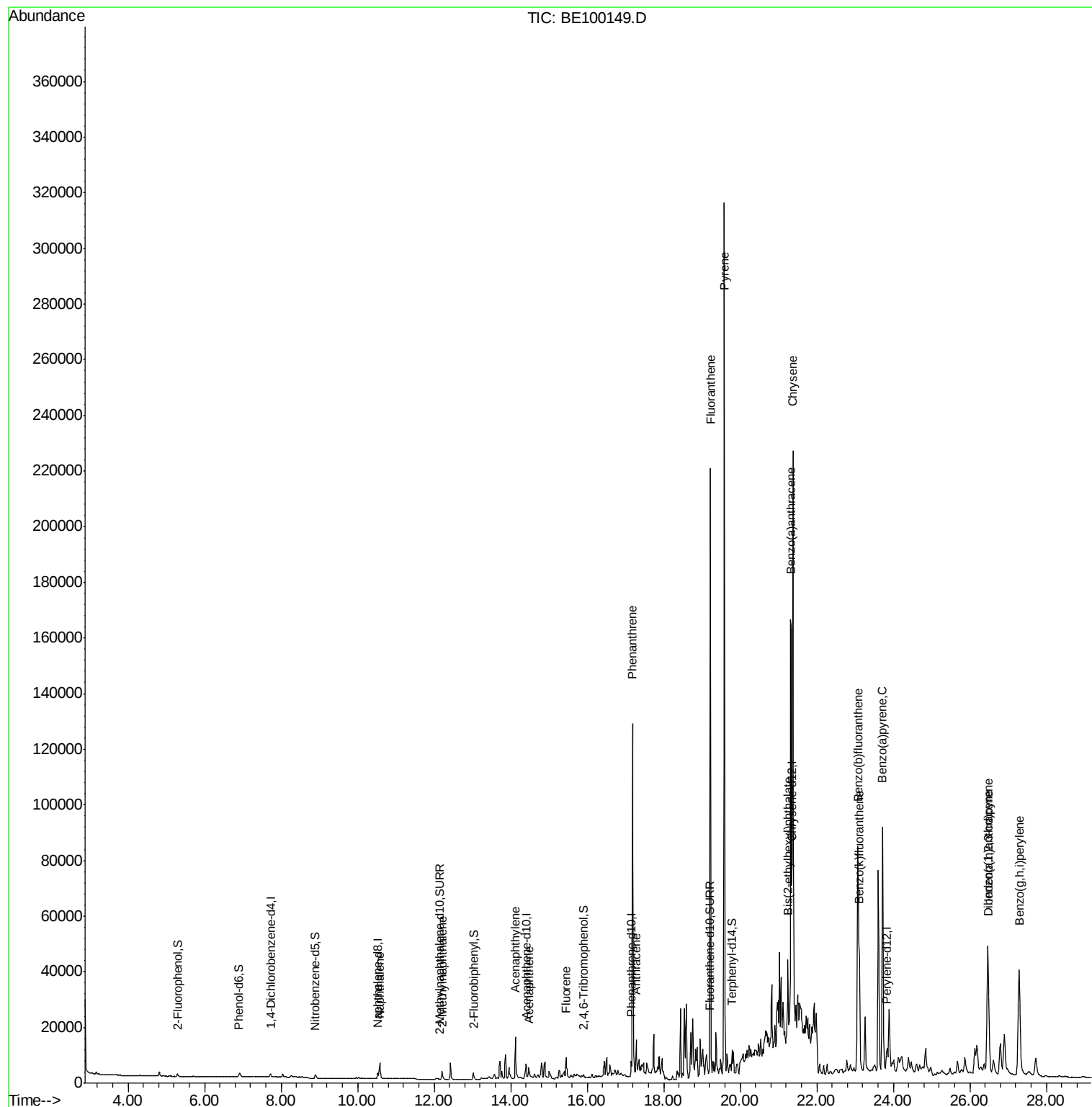
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
Data File : BE100149.D
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Operator : JU/SJ
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#1

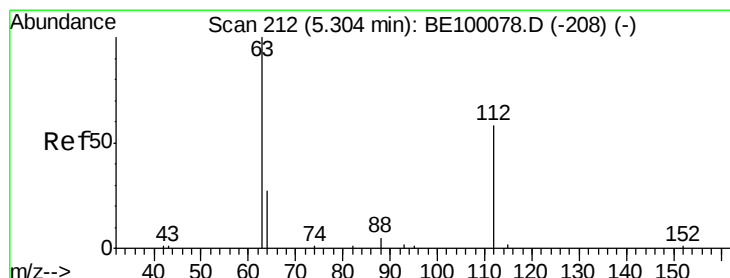
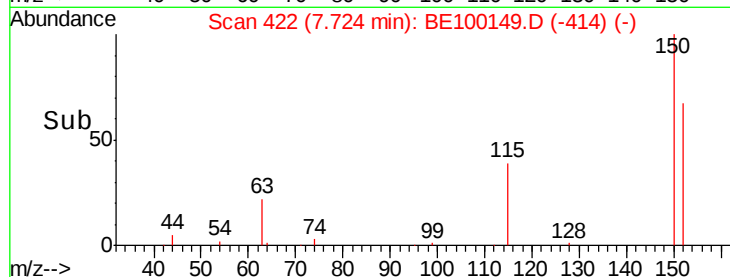
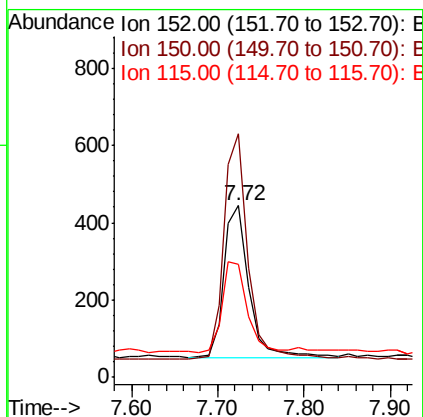
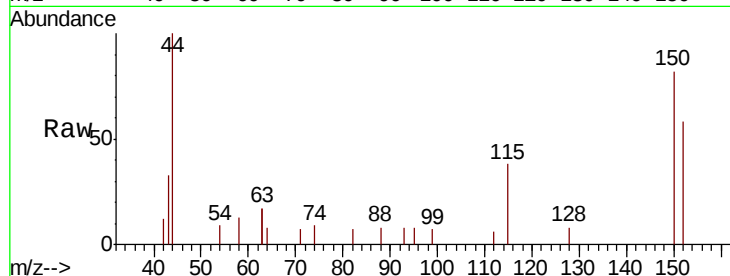
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100149.D
Acq: 22 Jun 2019 00:58

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.9	99.8	149.8
115	66.0	51.3	76.9

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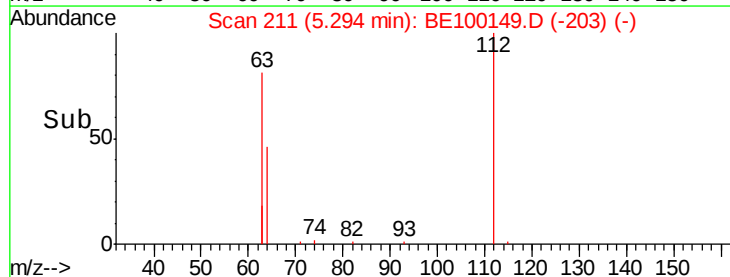
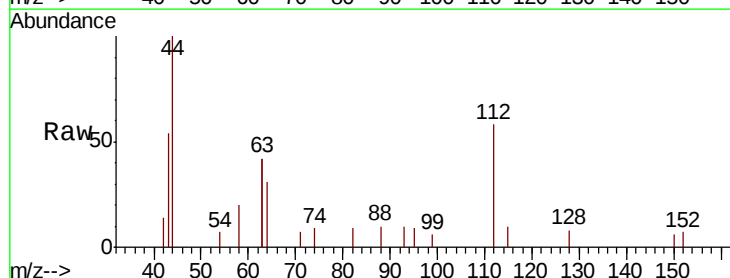
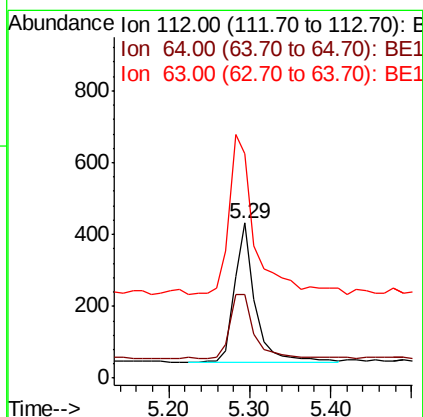
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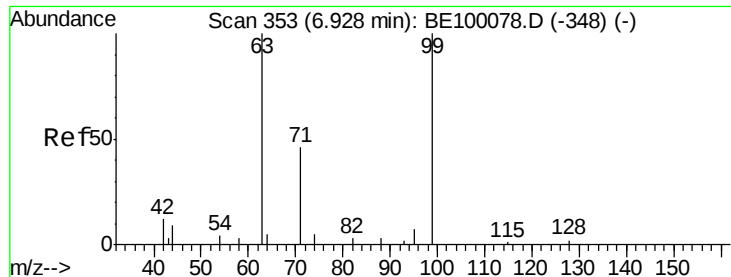


#4

2-Fluorophenol
Concen: 0.417 ng
RT: 5.29 min Scan# 211
Delta R.T. -0.01 min
Lab File: BE100149.D
Acq: 22 Jun 2019 00:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	22.0	33.0#
63	143.0	121.8	182.6





#5

Phenol-d6

Concen: 0.430 ng

RT: 6.89 min Scan# 350

Delta R.T. -0.03 min

Lab File: BE100149.D

Acq: 22 Jun 2019 00:58

Instrument :

BNA_E

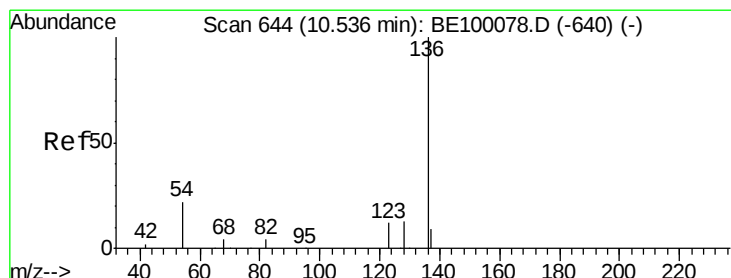
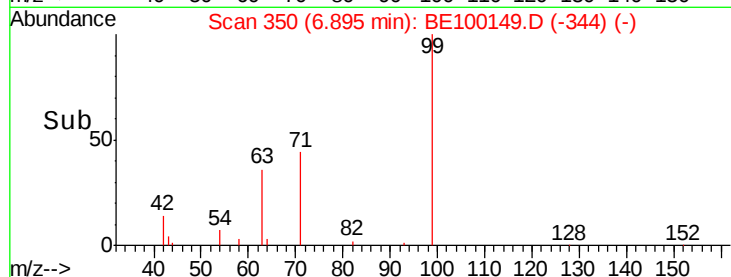
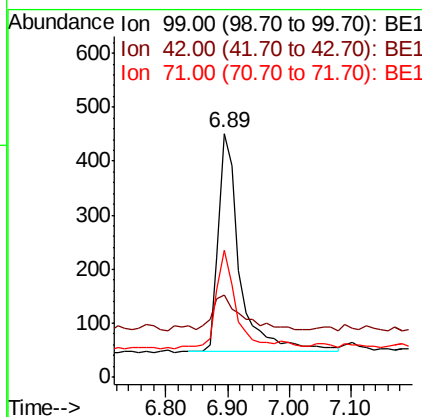
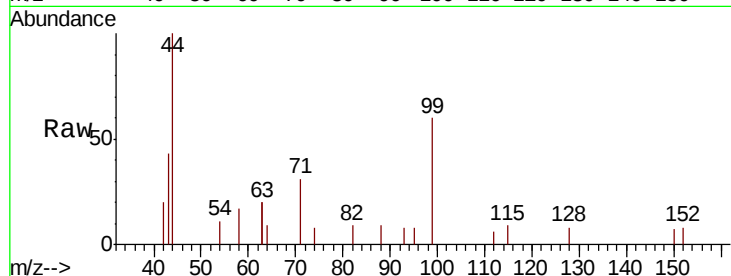
ClientSampleId :

EXT-013-SW160-061319

Tot Ion:	99	Resp:	966
Ion	Ratio	Lower	Upper
99	100		
42	20.9	0.0	0.0#
71	37.0	37.6	56.4#

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#7

Naphthalene-d8

Concen: 0.400 ng

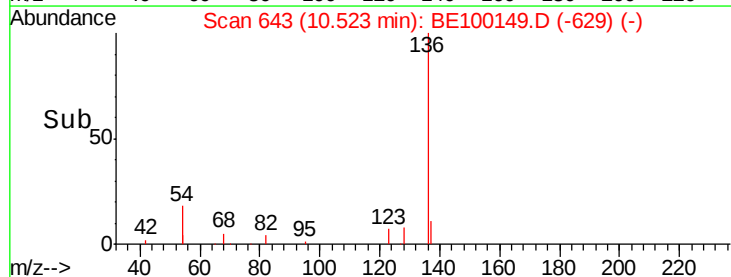
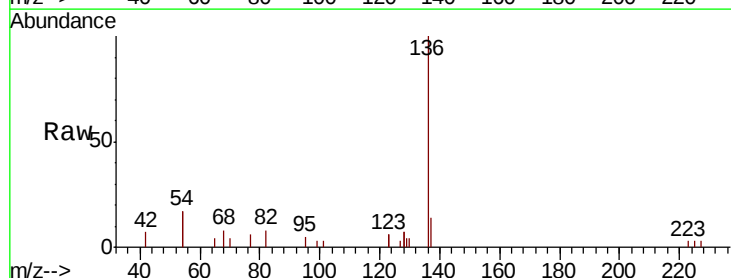
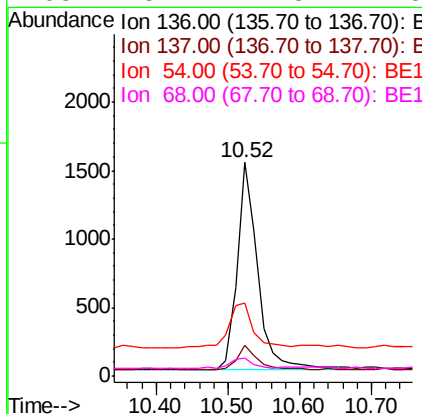
RT: 10.52 min Scan# 643

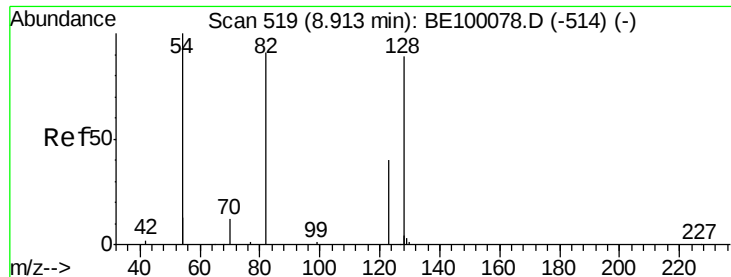
Delta R.T. -0.01 min

Lab File: BE100149.D

Acq: 22 Jun 2019 00:58

Tgt Ion:	136	Resp:	2999
Ion	Ratio	Lower	Upper
136	100		
137	14.2	11.6	17.4
54	34.4	33.9	50.9
68	8.4	7.8	11.8





#8

Nitrobenzene-d5

Concen: 0.319 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.01 min

Lab File: BE100149.D

Acq: 22 Jun 2019 00:58

Instrument :

BNA_E

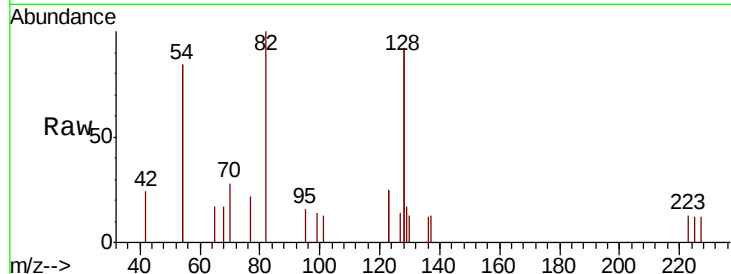
ClientSampleId :

EXT-013-SW160-061319

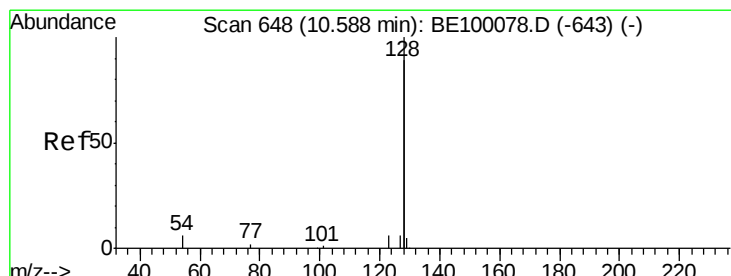
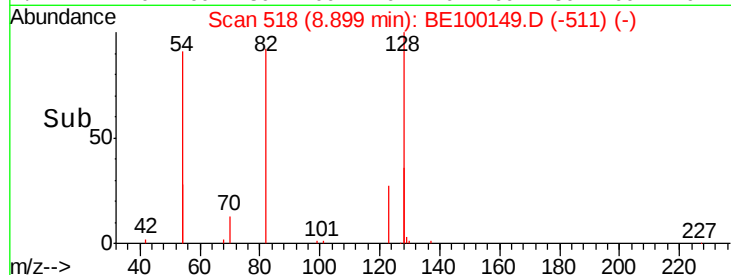
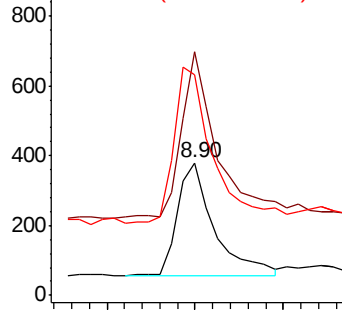
Tot Ion:	82	Resp:	927
Ion	Ratio	Lower	Upper
82	100		
128	184.2	128.0	192.0
54	167.3	143.4	215.0

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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): BE1
Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.320 ng

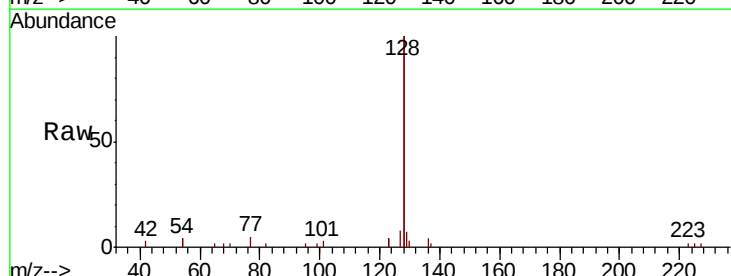
RT: 10.58 min Scan# 647

Delta R.T. -0.01 min

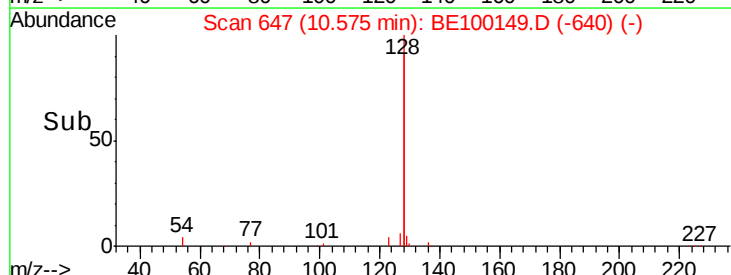
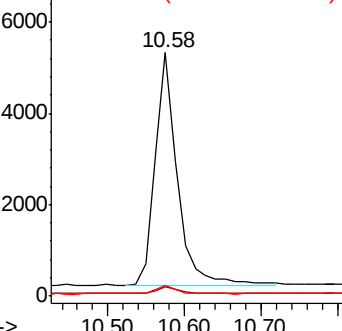
Lab File: BE100149.D

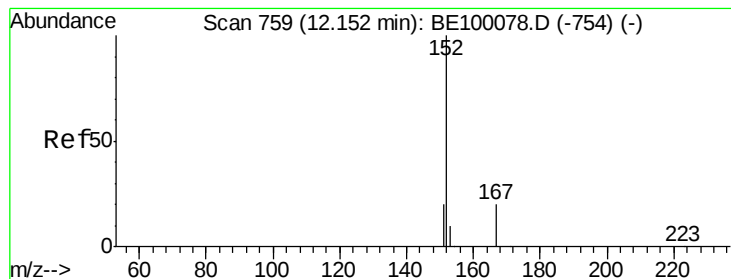
Acq: 22 Jun 2019 00:58

Tgt Ion:	128	Resp:	10434
Ion	Ratio	Lower	Upper
128	100		
129	3.7	3.1	4.7
127	4.1	3.4	5.2



Abundance Ion 128.00 (127.70 to 128.70): BE
Ion 129.00 (128.70 to 129.70): BE
Ion 127.00 (126.70 to 127.70): BE





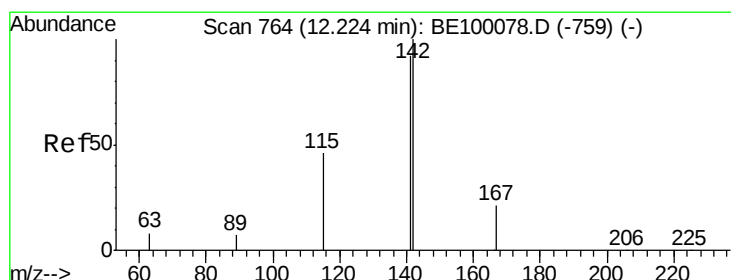
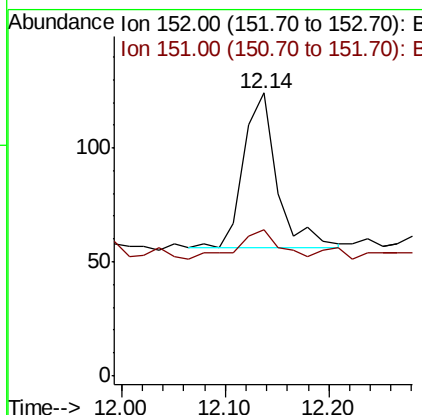
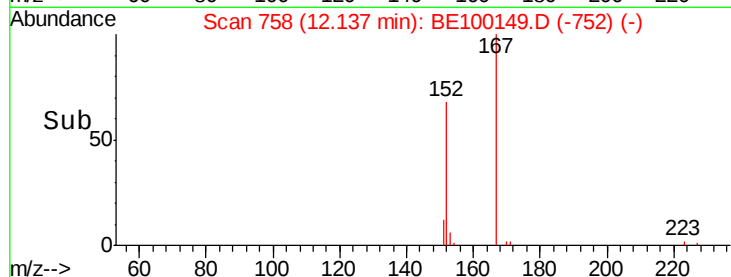
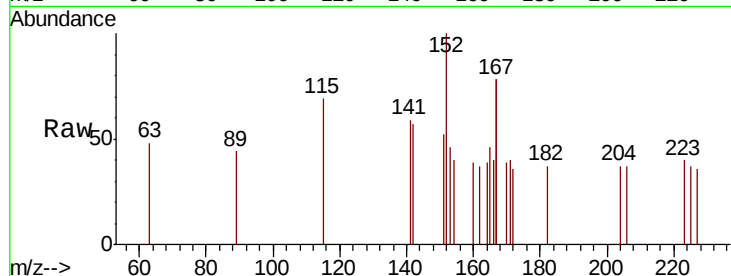
#11
2-Methylnaphthalene-d10
Concen: 0.027 ng
RT: 12.14 min Scan# 758
Delta R.T. -0.01 min
Lab File: BE100149.D
Acq: 22 Jun 2019 00:58

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319

Tot Ion:152 Resp: 154
Ion Ratio Lower Upper
152 100
151 23.4 16.3 24.5

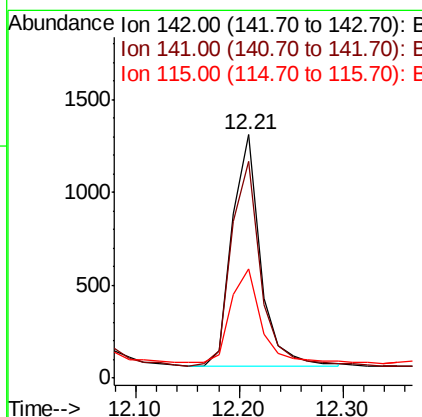
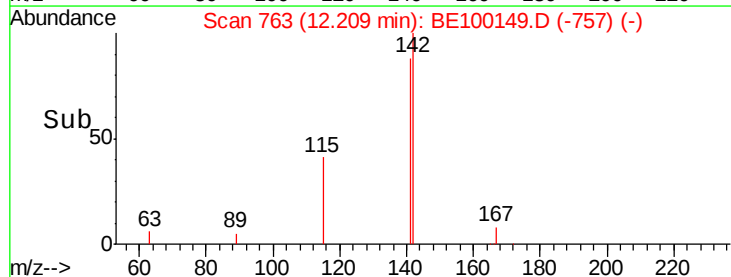
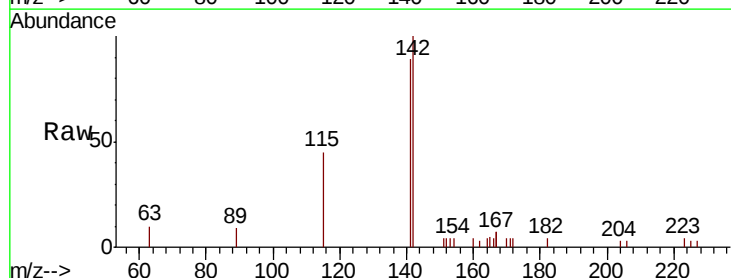
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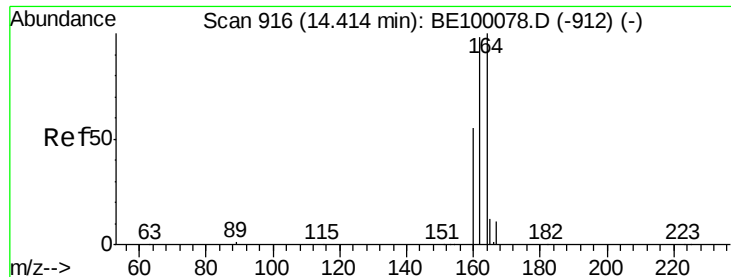
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#12
2-Methylnaphthalene
Concen: 0.445 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE100149.D
Acq: 22 Jun 2019 00:58

Tgt Ion:142 Resp: 2385
Ion Ratio Lower Upper
142 100
141 88.9 74.1 111.1
115 45.0 40.9 61.3





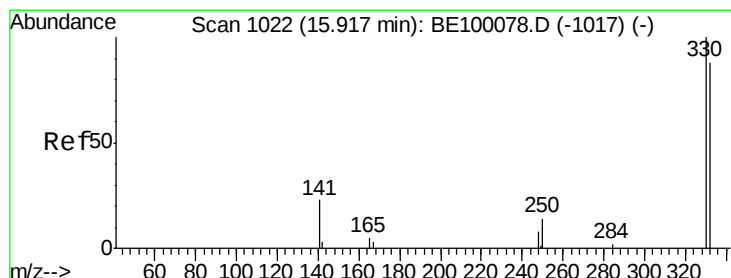
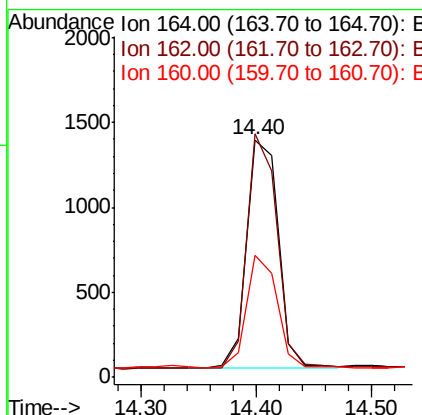
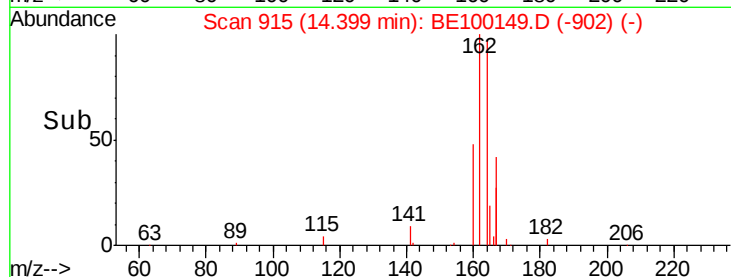
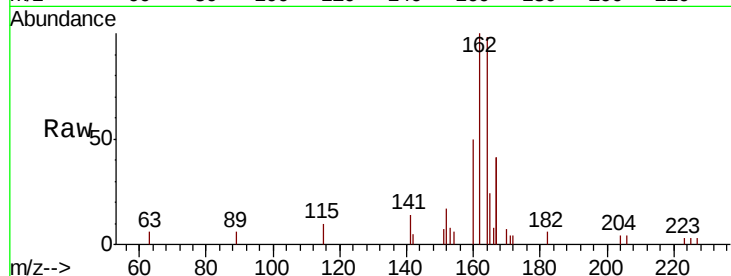
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.40 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: BE100149.D
 Acq: 22 Jun 2019 00:58

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW160-061319

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	78.2	117.2
160	51.5	45.6	68.4

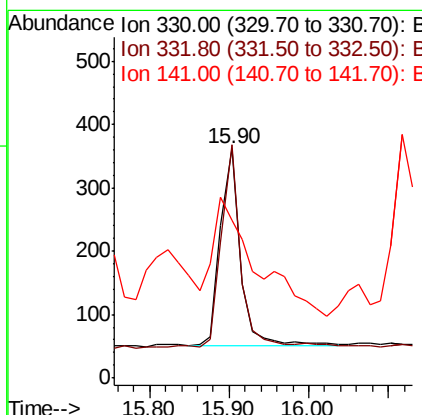
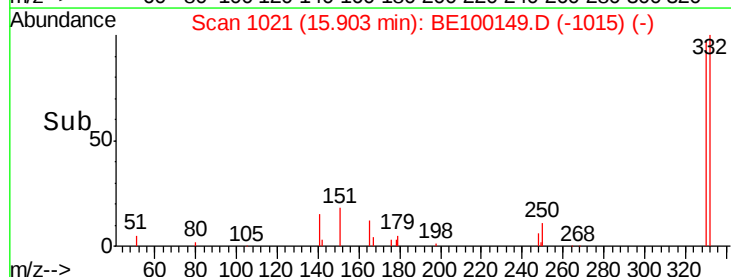
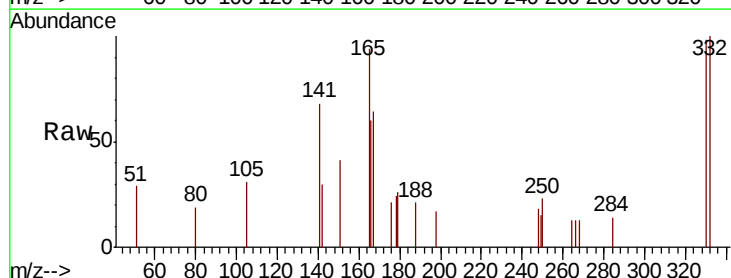
Manual Integrations
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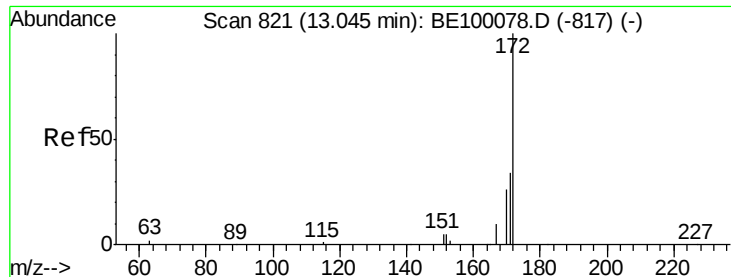
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#14
 2,4,6-Tribromophenol
 Concen: 0.379 ng
 RT: 15.90 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BE100149.D
 Acq: 22 Jun 2019 00:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.7	73.3	109.9
141	131.0	22.2	33.2#





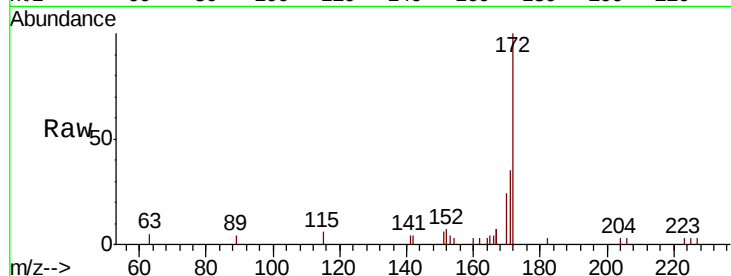
#15
2-Fluorobiphenyl
Concen: 0.281 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.01 min
Lab File: BE100149.D
Acq: 22 Jun 2019 00:58

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.8	44.8
170	24.0	23.2	34.8

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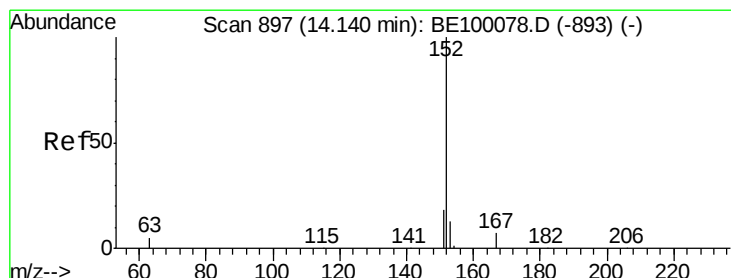
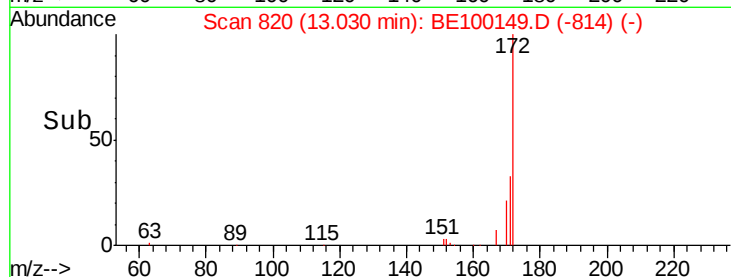
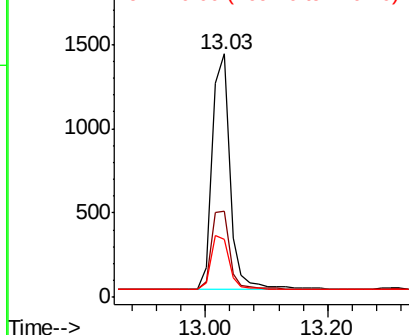


Abundance

Ion 172.00 (171.70 to 172.70): E

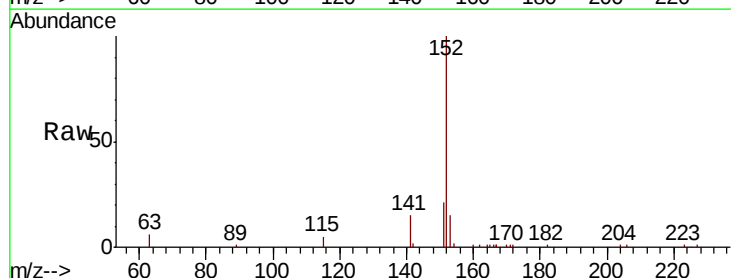
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 1.457 ng
RT: 14.12 min Scan# 896
Delta R.T. -0.01 min
Lab File: BE100149.D
Acq: 22 Jun 2019 00:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	14.5	10.1	15.1

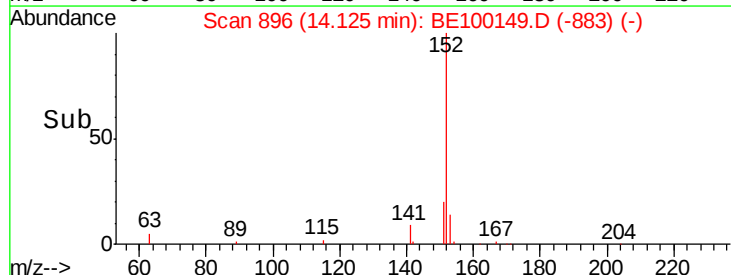
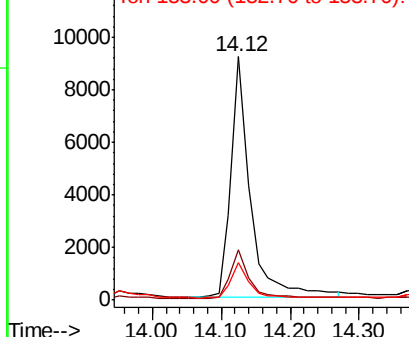


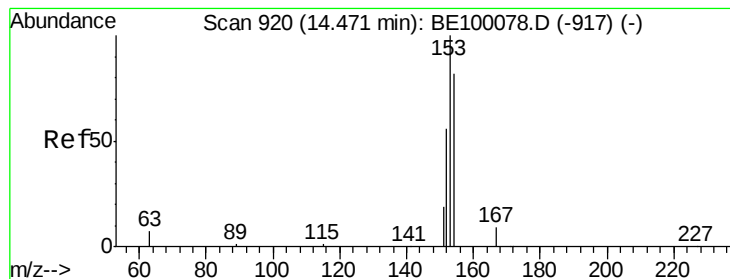
Abundance

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





#17

Acenaphthene

Concen: 0.291 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE100149.D

Acq: 22 Jun 2019 00:58

Instrument :

BNA_E

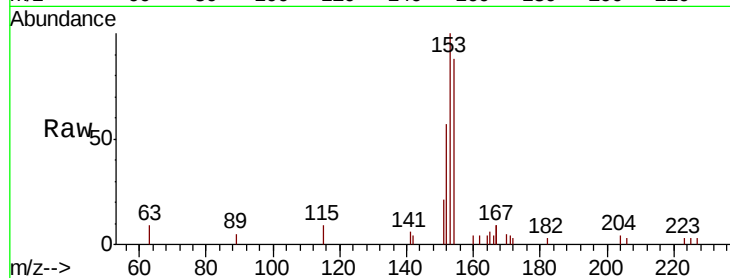
ClientSampleId :

EXT-013-SW160-061319

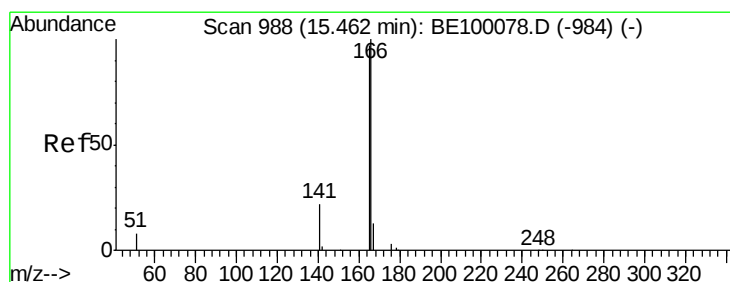
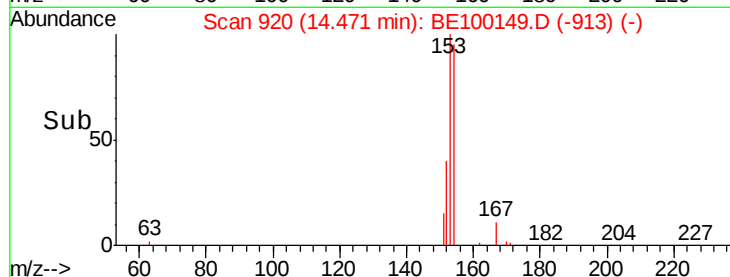
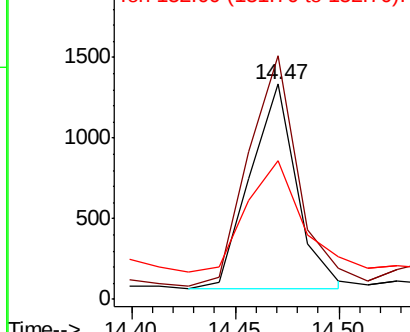
Tot Ion:	154	Resp:	1989
Ion Ratio	Lower	Upper	
154	100		
153	120.2	95.5	143.3
152	64.6	54.9	82.3

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



#18

Fluorene

Concen: 0.636 ng

RT: 15.45 min Scan# 987

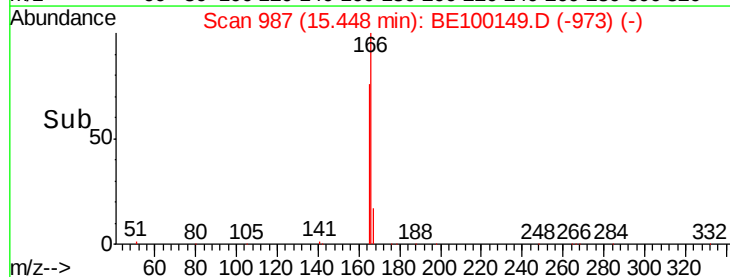
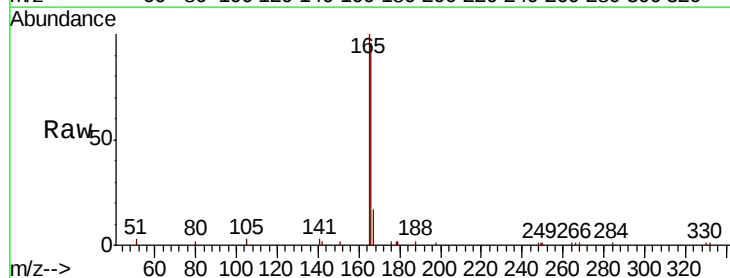
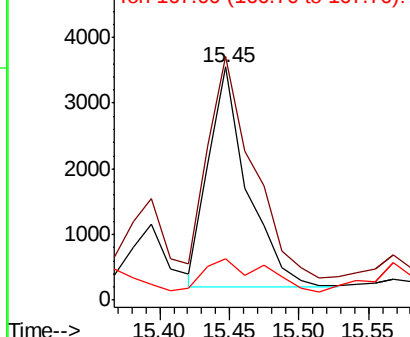
Delta R.T. -0.01 min

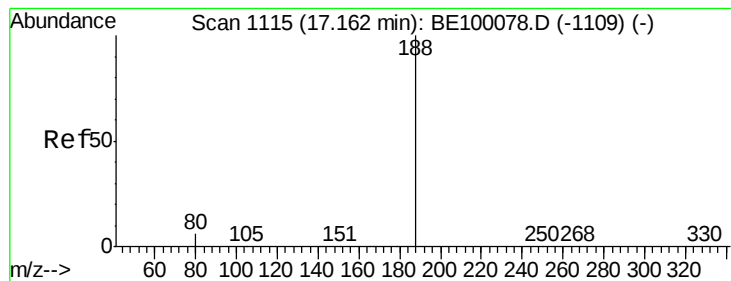
Lab File: BE100149.D

Acq: 22 Jun 2019 00:58

Tgt Ion:	166	Resp:	6467
Ion Ratio	Lower	Upper	
166	100		
165	115.2	79.8	119.8
167	23.2	10.2	15.4#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.15 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BE100149.D

Acq: 22 Jun 2019 00:58

Instrument :

BNA_E

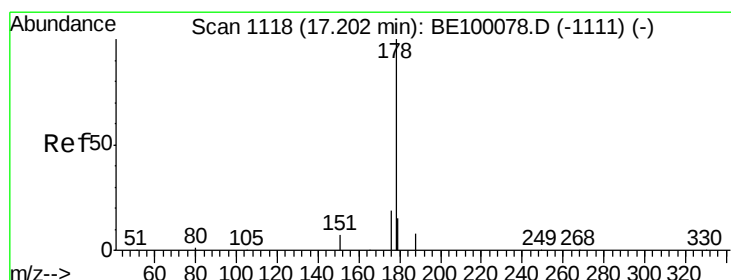
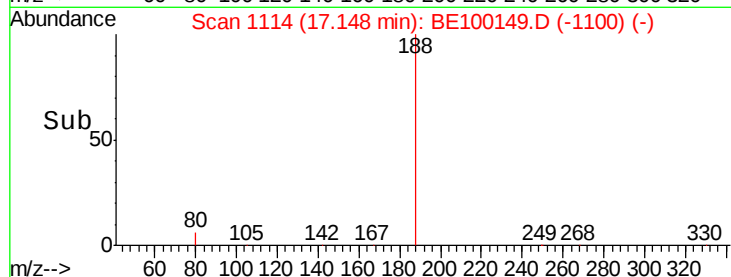
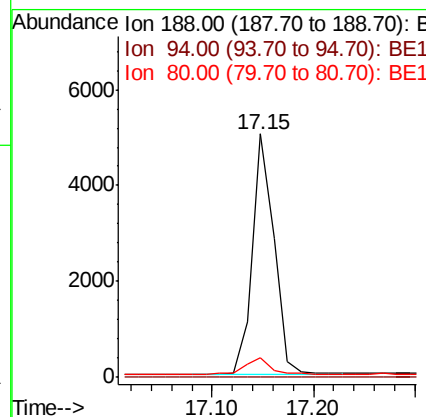
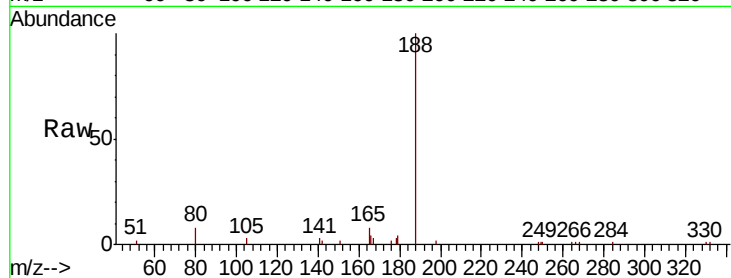
ClientSampleId :

EXT-013-SW160-061319

Tot Ion:	188	Resp:	7520
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.0	6.3	9.5

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#23

Phenanthrene

Concen: 7.524 ng

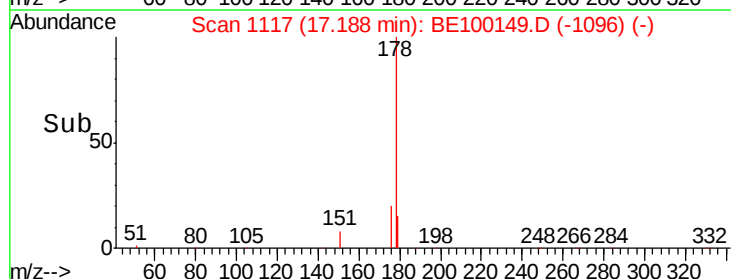
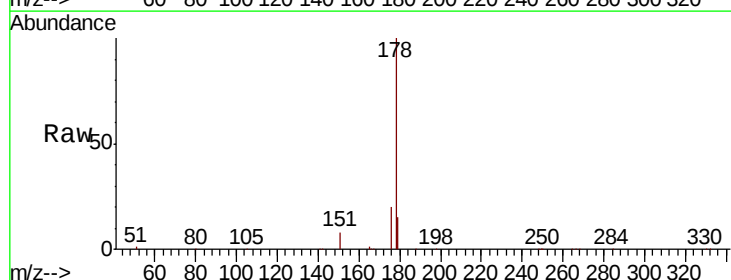
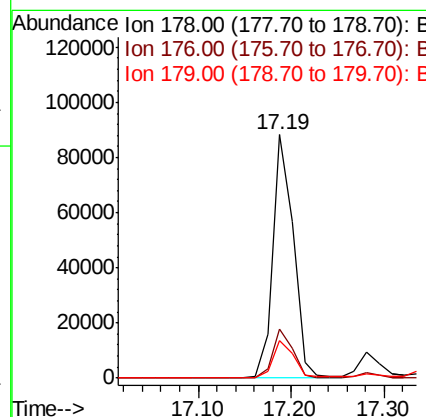
RT: 17.19 min Scan# 1117

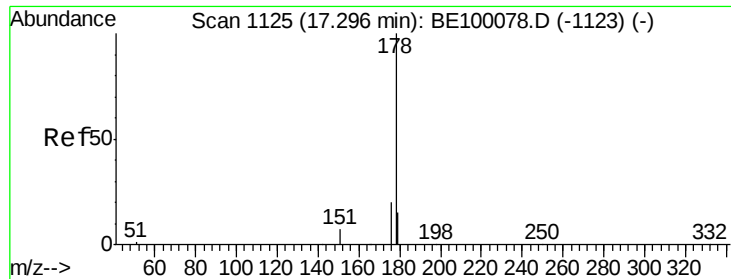
Delta R.T. -0.01 min

Lab File: BE100149.D

Acq: 22 Jun 2019 00:58

Tgt Ion:	178	Resp:	135559
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.9	23.9
179	15.7	13.1	19.7





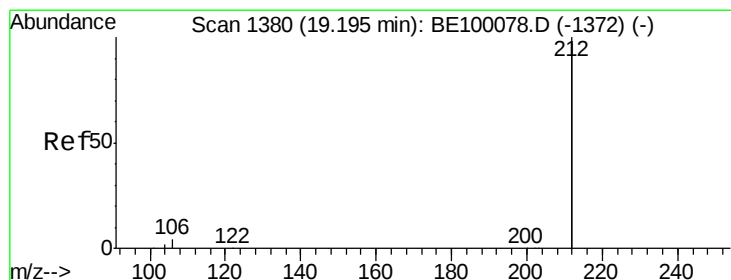
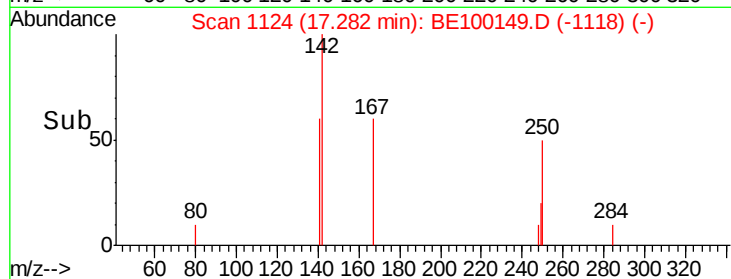
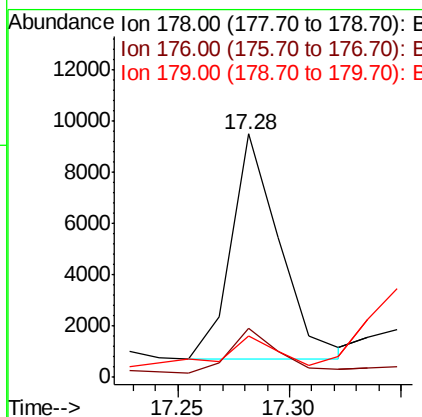
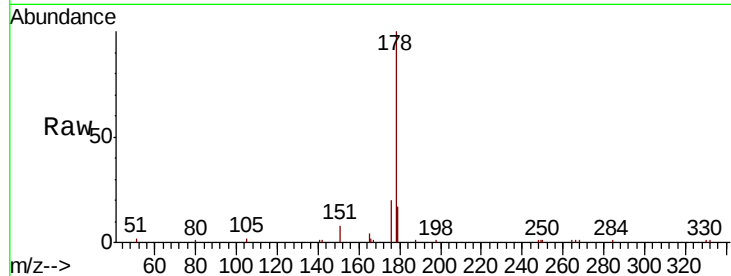
#24
 Anthracene
 Concen: 0.882 ng
 RT: 17.28 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BE100149.D
 Acq: 22 Jun 2019 00:58

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW160-061319

Tot Ion:178	Resp:	13396
Ion Ratio	Lower	Upper
178	100	
176	19.4	15.8 23.6
179	12.6	12.0 18.0

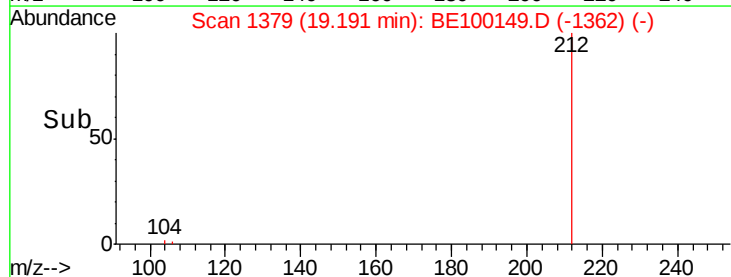
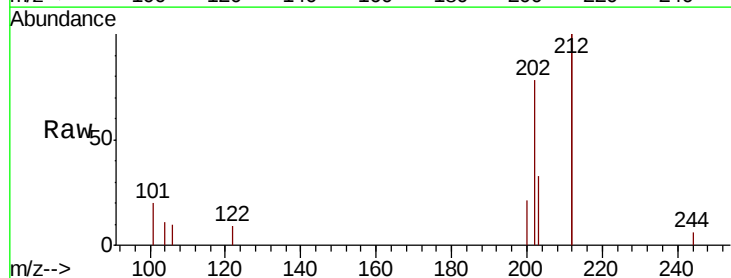
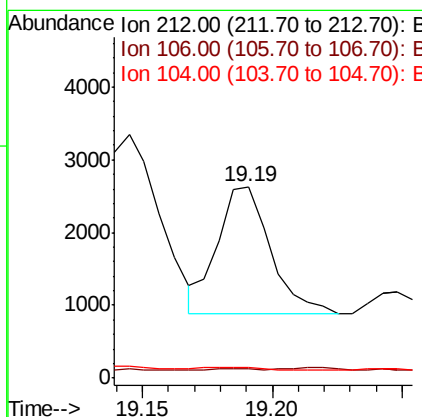
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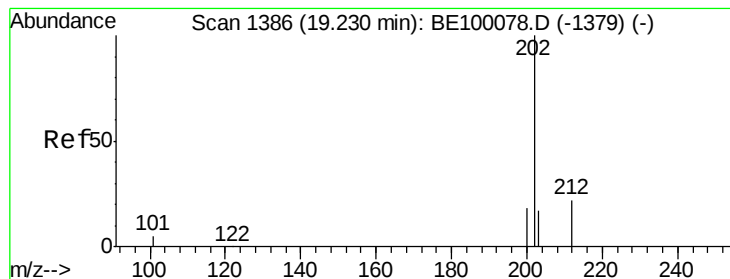
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.023 ng
 RT: 19.19 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: BE100149.D
 Acq: 22 Jun 2019 00:58

Tgt Ion:212	Resp:	2491
Ion Ratio	Lower	Upper
212	100	
106	1.2	1.4 2.0#
104	2.7	0.8 1.2#





#26

Fluoranthene

Concen: 6.684 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.01 min

Lab File: BE100149.D

Acq: 22 Jun 2019 00:58

Instrument :

BNA_E

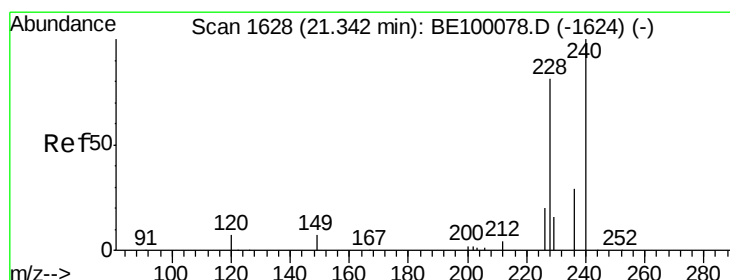
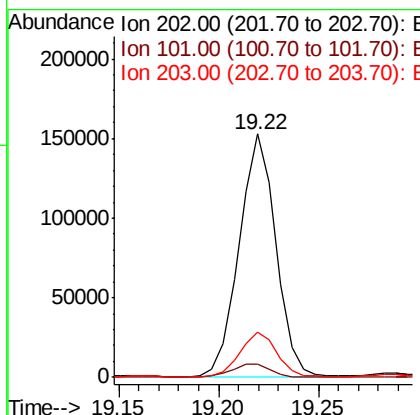
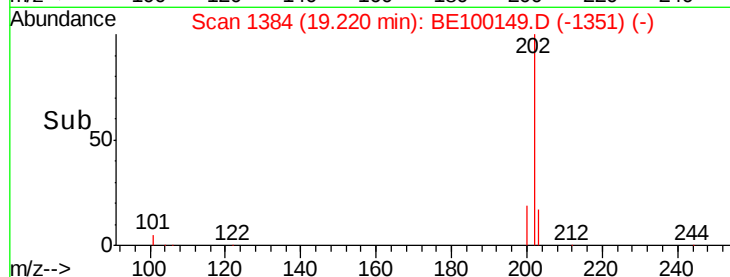
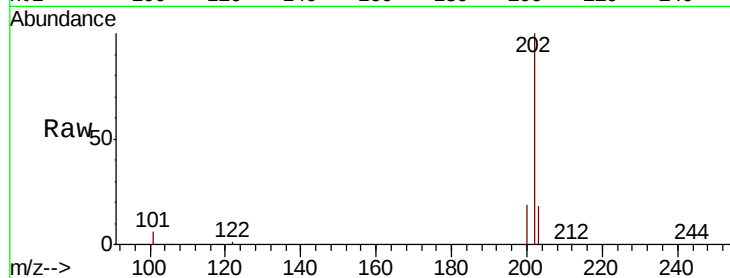
ClientSampleId :

EXT-013-SW160-061319

Tot Ion:	202	Resp:	193311
Ion Ratio	Lower	Upper	
202	100		
101	5.8	5.0	7.4
203	18.3	13.7	20.5

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#27

Chrysene-d12

Concen: 0.400 ng

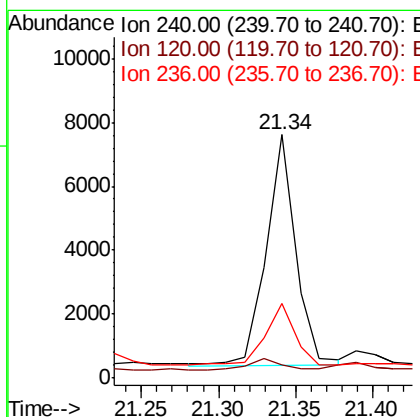
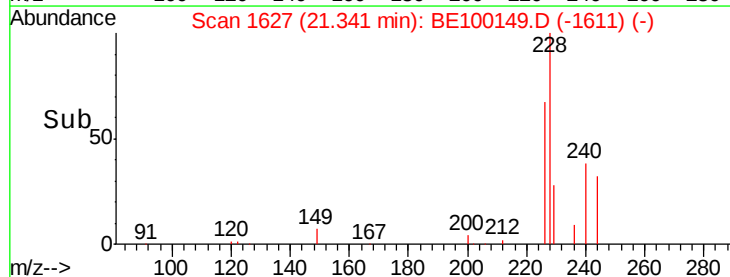
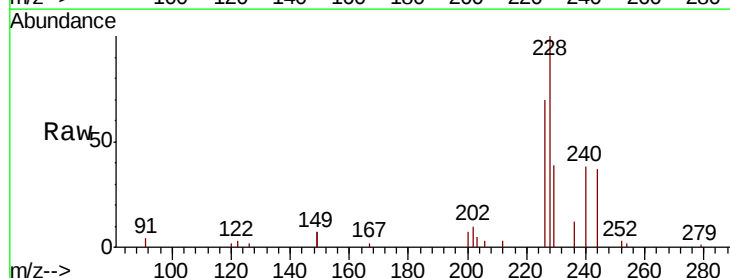
RT: 21.34 min Scan# 1627

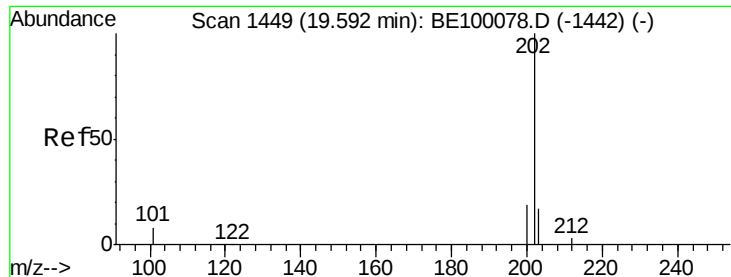
Delta R.T. -0.00 min

Lab File: BE100149.D

Acq: 22 Jun 2019 00:58

Tgt Ion:	240	Resp:	9606
Ion Ratio	Lower	Upper	
240	100		
120	5.3	6.6	10.0#
236	30.7	23.8	35.6





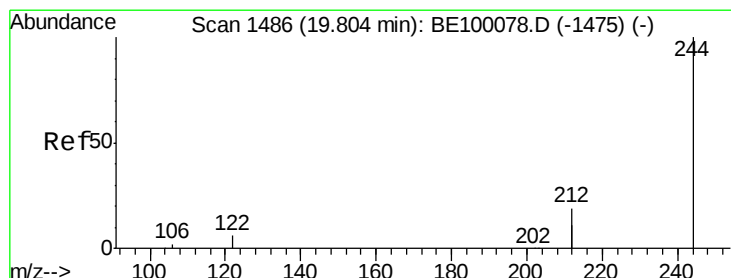
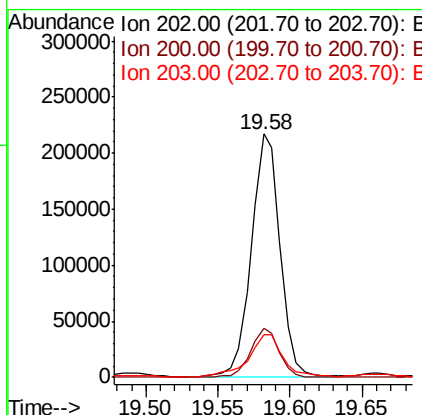
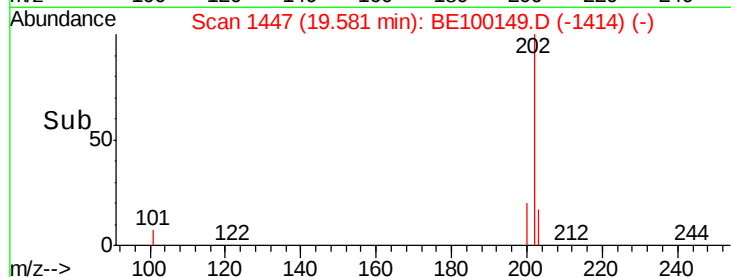
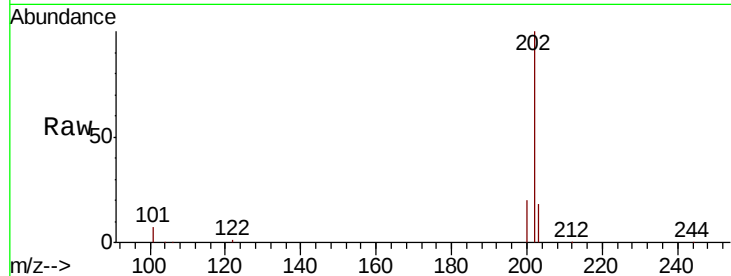
#28
Pvrene
Concen: 12.162 ng
RT: 19.58 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BE100149.D
Acq: 22 Jun 2019 00:58

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319

Tot Ion:	202	Resp:	300284
Ion Ratio	Lower	Upper	
202	100		
200	19.8	15.6	23.4
203	20.6	13.9	20.9

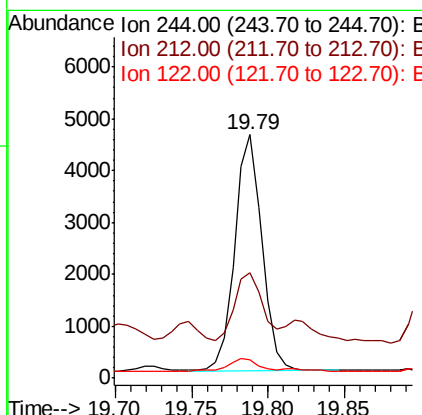
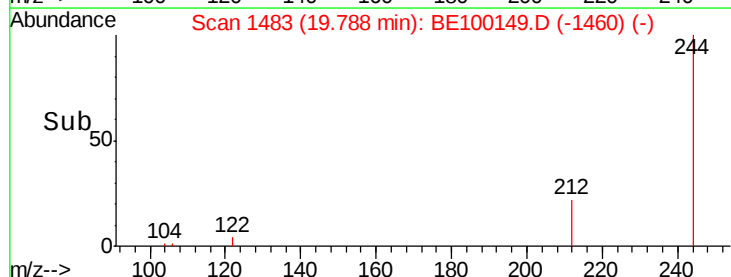
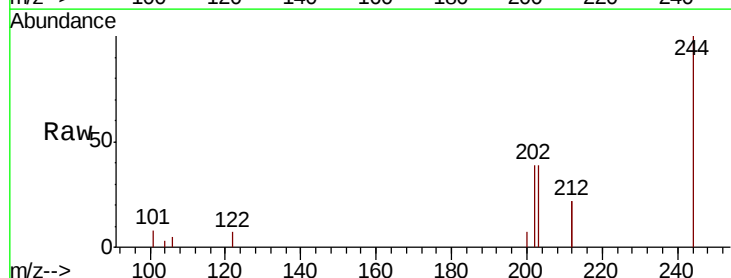
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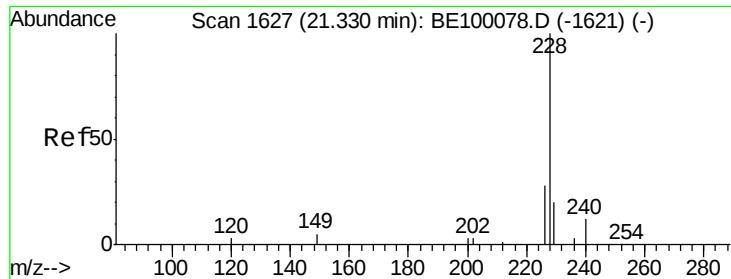
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#29
Terphenyl-d14
Concen: 0.295 ng
RT: 19.79 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BE100149.D
Acq: 22 Jun 2019 00:58

Tgt Ion:	244	Resp:	5657
Ion Ratio	Lower	Upper	
244	100		
212	43.5	29.8	44.8
122	7.3	6.1	9.1





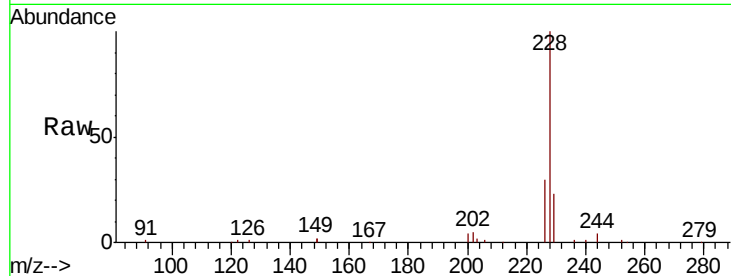
#30
Benzo(a)anthracene
Concen: 5.423 ng
RT: 21.32 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE100149.D
Acq: 22 Jun 2019 00:58

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.0	34.4
229	23.1	16.4	24.6

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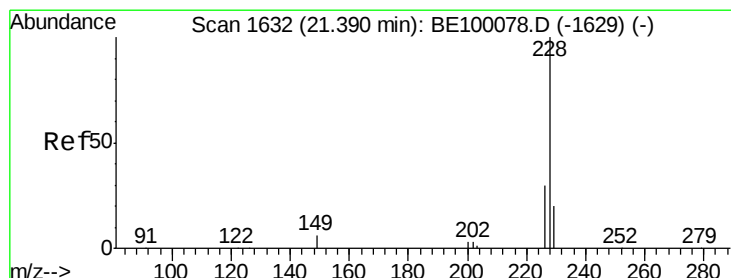
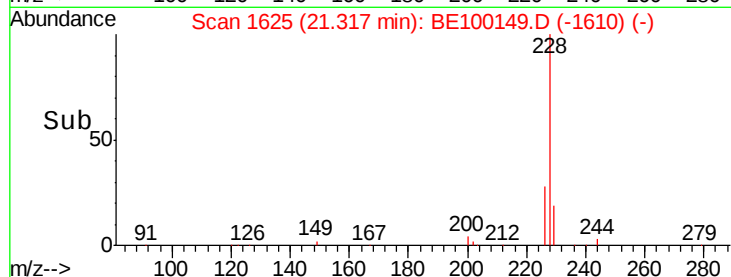
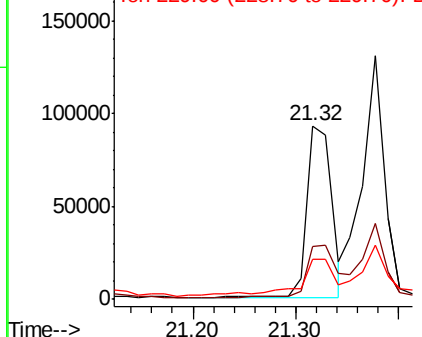


Abundance

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



#31
Chrysene
Concen: 5.961 ng
RT: 21.38 min Scan# 1630
Delta R.T. -0.01 min
Lab File: BE100149.D
Acq: 22 Jun 2019 00:58

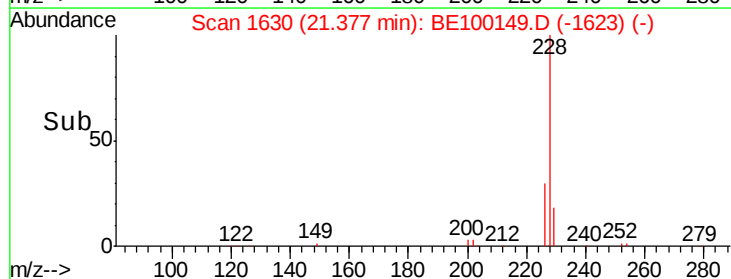
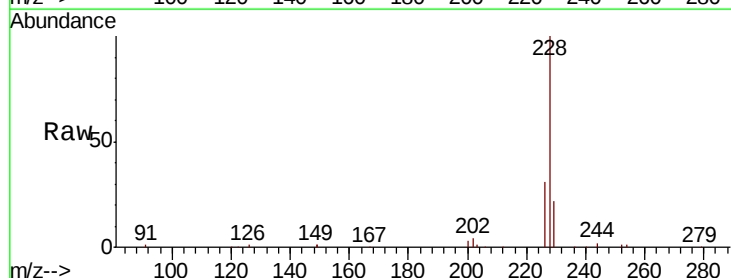
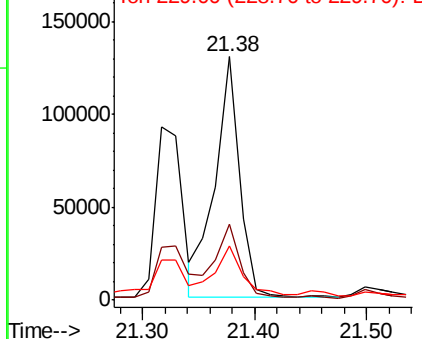
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.8	35.8
229	22.4	16.3	24.5

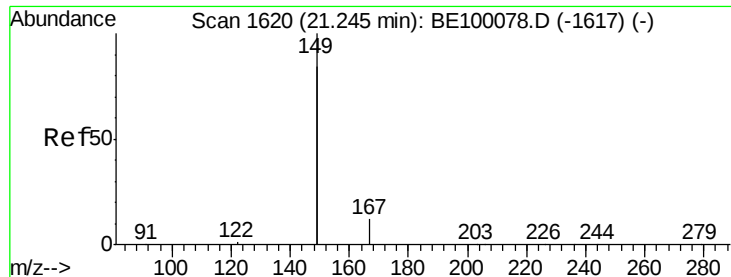
Abundance

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





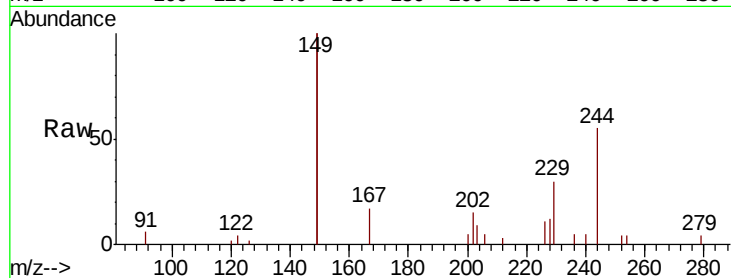
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.891 ng
 RT: 21.24 min Scan# 1619
 Delta R.T. -0.00 min
 Lab File: BE100149.D
 Acq: 22 Jun 2019 00:58

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW160-061319

Tot Ion	Ratio	Lower	Upper
149	100		
167	8.5	5.8	8.6
279	1.6	1.1	1.7

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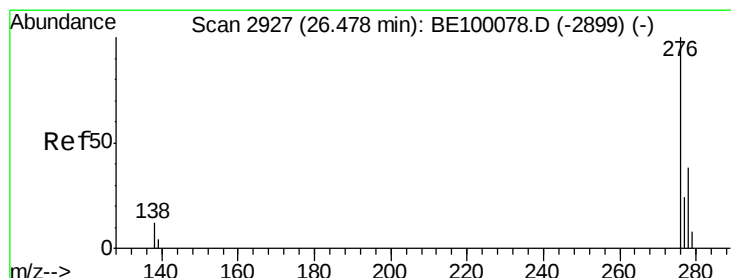
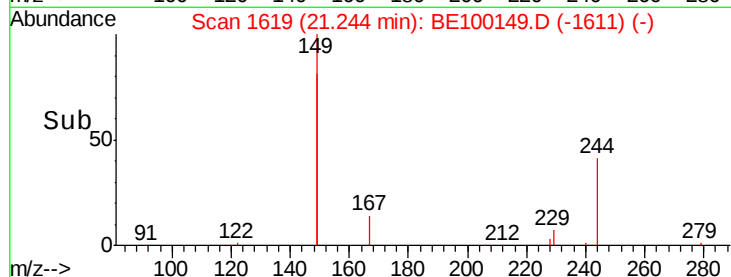
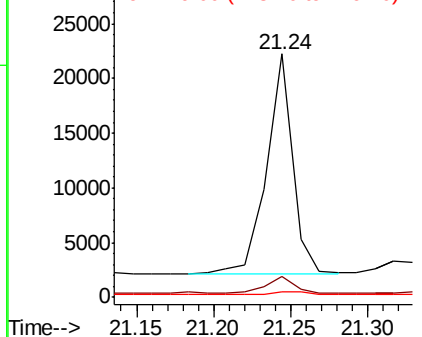


Abundance

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: 2.480 ng
 RT: 26.47 min Scan# 2924
 Delta R.T. -0.01 min
 Lab File: BE100149.D
 Acq: 22 Jun 2019 00:58

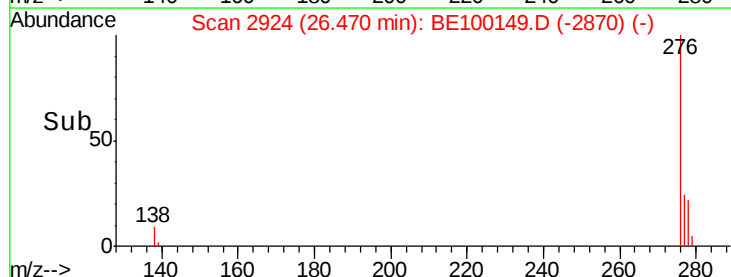
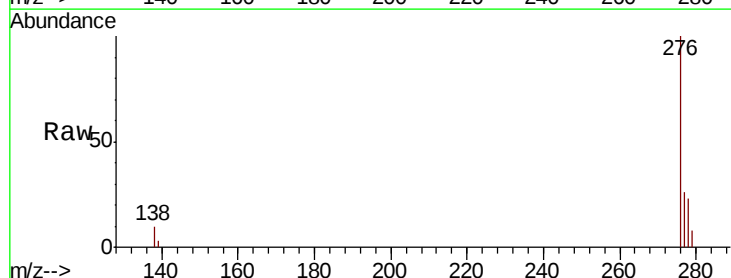
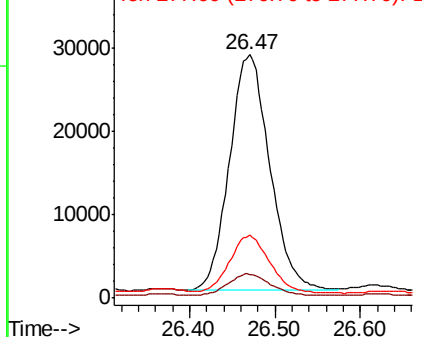
Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.1	4.3	6.5#
277	24.6	19.4	29.0

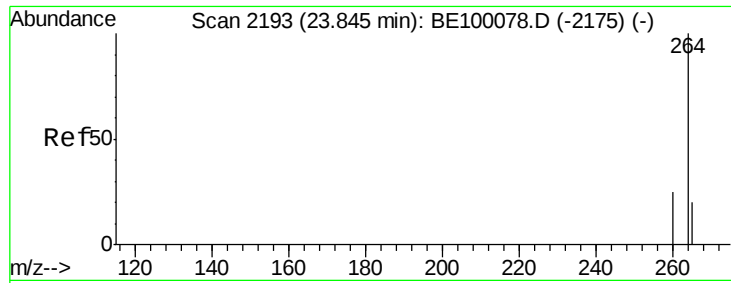
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





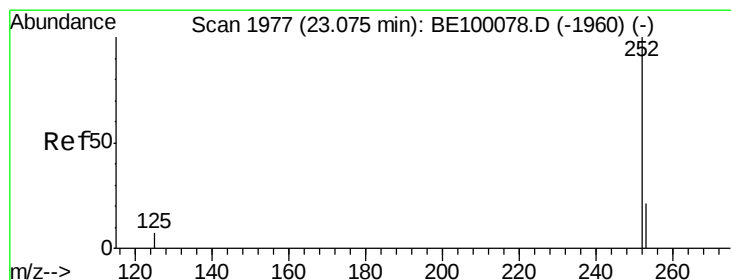
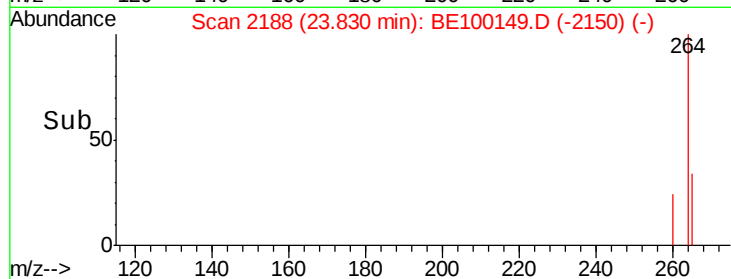
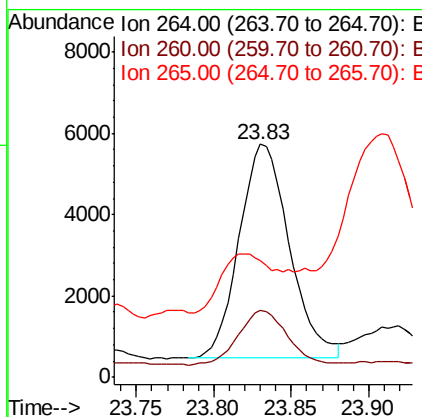
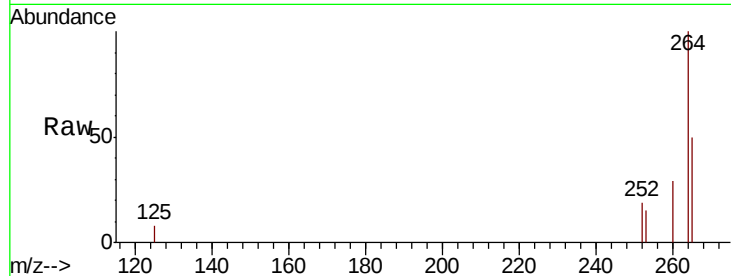
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.83 min Scan# 2188
 Delta R.T. -0.01 min
 Lab File: BE100149.D
 Acq: 22 Jun 2019 00:58

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW160-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.5	20.8	31.2
265	50.1	23.2	34.8#

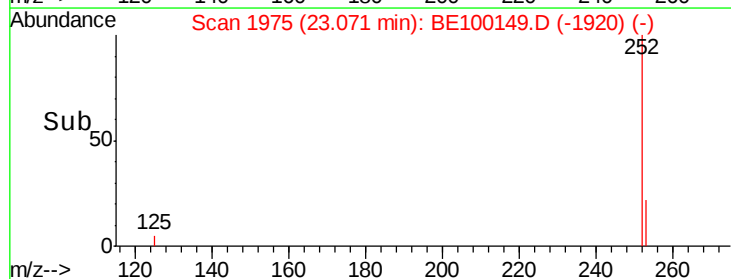
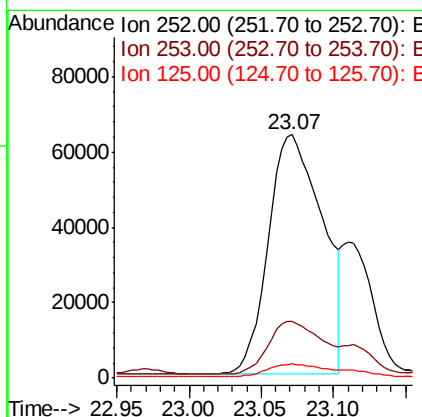
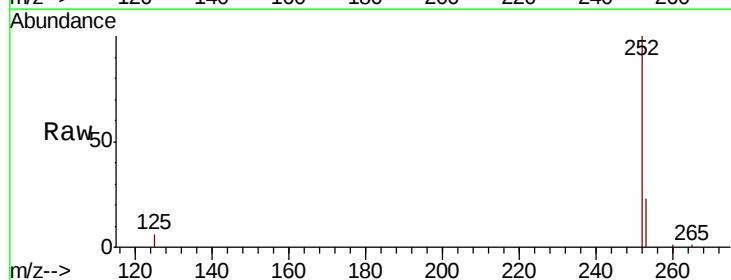
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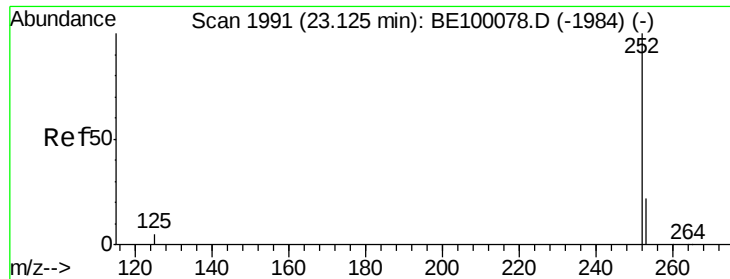
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#35
 Benzo(b)fluoranthene
 Concen: 4.781 ng
 RT: 23.07 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: BE100149.D
 Acq: 22 Jun 2019 00:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	5.8	6.4	9.6#





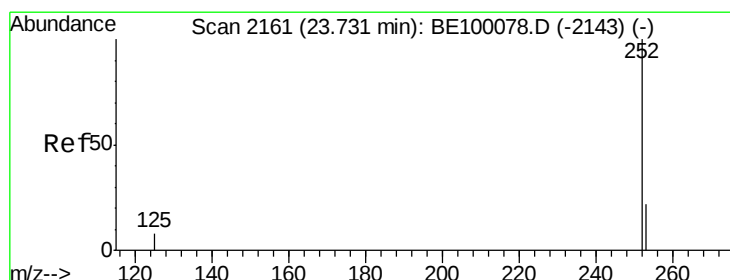
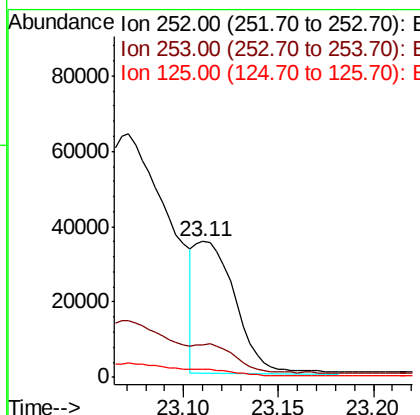
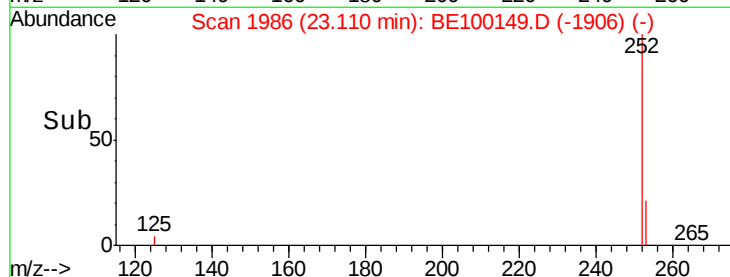
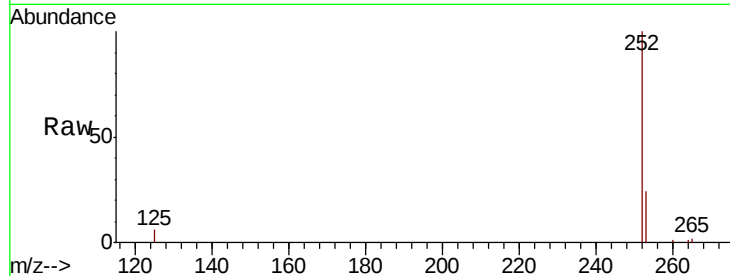
#36
Benzo(k)fluoranthene
Concen: 1.350 ng m
RT: 23.11 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BE100149.D
Acq: 22 Jun 2019 00:58

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.9	28.3
125	5.6	5.3	7.9

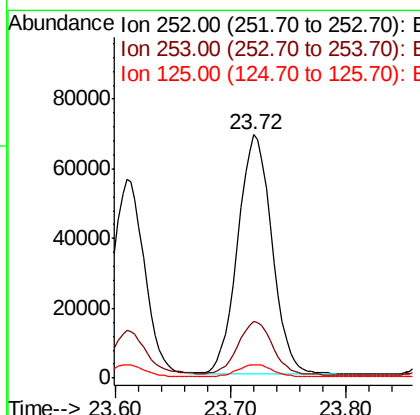
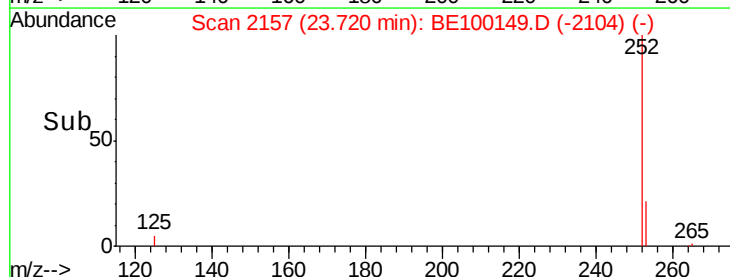
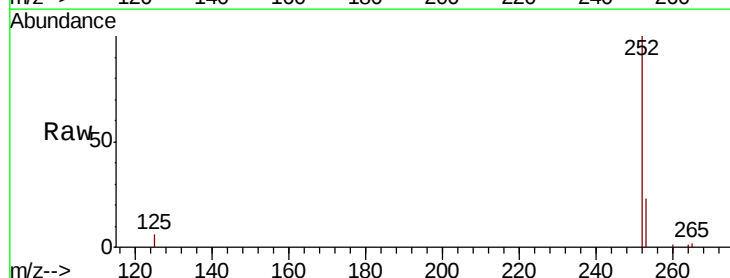
Manual Integrations
APPROVED

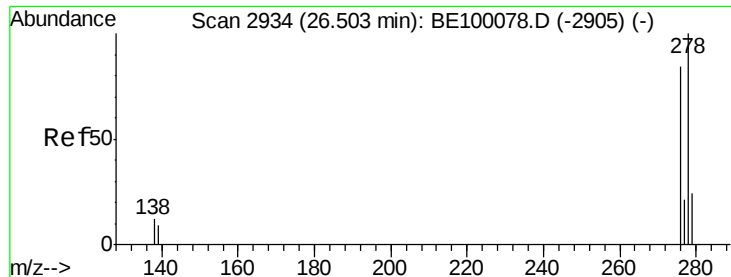
mohammad
6/25/2019 3:21:35 PM



#37
Benzo(a)pyrene
Concen: 4.217 ng m
RT: 23.72 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BE100149.D
Acq: 22 Jun 2019 00:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.4	29.2
125	5.6	8.0	12.0





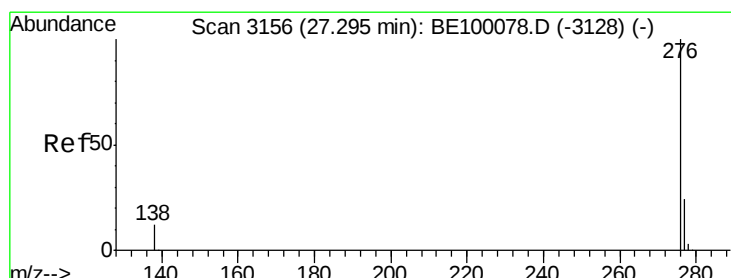
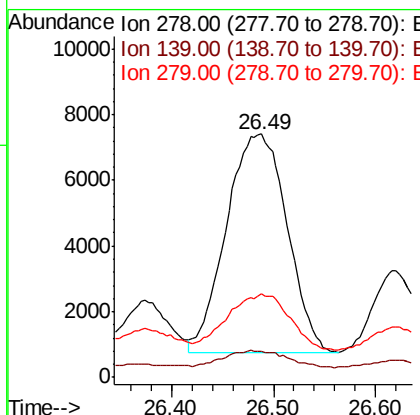
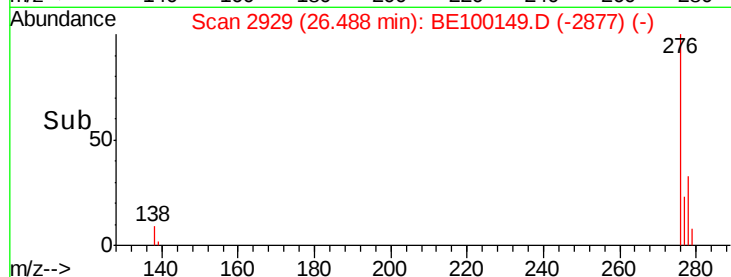
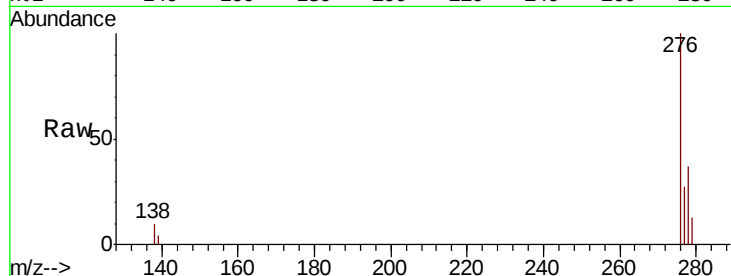
#38
Dibenzo(a,h)anthracene
Concen: 0.800 ng
RT: 26.49 min Scan# 2929
Delta R.T. -0.01 min
Lab File: BE100149.D
Acq: 22 Jun 2019 00:58

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW160-061319

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.4	9.0	13.6
279	34.5	21.4	32.0

Manual Integrations
APPROVED

mohammad
6/25/2019 3:21:35 PM



#39
Benzo(g,h,i)perylene
Concen: 3.022 ng
RT: 27.29 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BE100149.D
Acq: 22 Jun 2019 00:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	20.3	30.5
138	10.2	11.3	16.9

