

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
 Data File : BE100309.D
 Acq On : 2 Jul 2019 19:15
 Operator : JU/SJ
 Sample : K3445-20DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW110-061719DL

Manual Integrations
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 7/3/2019 10:49:01 PM

Quant Time: Jul 03 03:46:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 14:06:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	1005	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3672	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2946	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7986	0.40	ng	0.00
27) Chrysene-d12	21.24	240	10366	0.40	ng	0.00
34) Perylene-d12	23.67	264	12700	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.23	112	86	0.03	ng	0.01
5) Phenol-d6	6.84	99	92	0.03	ng	0.00
8) Nitrobenzene-d5	8.82	82	104	0.03	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	403	0.06	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	65	0.03	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	367	0.03	ng	0.00
25) Fluoranthene-d10	19.10	212	6453	0.06	ng	0.00
29) Terphenyl-d14	19.70	244	979	0.05	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.48	128	2857	0.071	ng	# 94
12) 2-Methylnaphthalene	12.12	142	527	0.074	ng	92
16) Acenaphthylene	14.04	152	2693	0.190	ng	99
17) Acenaphthene	14.38	154	1285	0.160	ng	99
18) Fluorene	15.35	166	1857	0.157	ng	93
23) Phenanthrene	17.09	178	39810	2.057	ng	100
24) Anthracene	17.19	178	7830	0.449	ng	98
26) Fluoranthene	19.13	202	94985	3.081	ng	99
28) Pyrene	19.49	202	103168	3.759	ng	# 95
30) Benzo(a)anthracene	21.23	228	73265	2.150	ng	97
31) Chrysene	21.28	228	70288	2.054	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	15122	0.256	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.23	276	42645	0.942	ng	97
35) Benzo(b)fluoranthene	22.93	252	83993	2.439	ng	# 96
36) Benzo(k)fluoranthene	22.97	252	24783m	0.645	ng	
37) Benzo(a)pyrene	23.56	252	56230m	1.629	ng	
38) Dibenzo(a,h)anthracene	26.24	278	11272	0.313	ng	# 89
39) Benzo(a,h,i)perylene	27.02	276	46654	1.260	ng	99

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

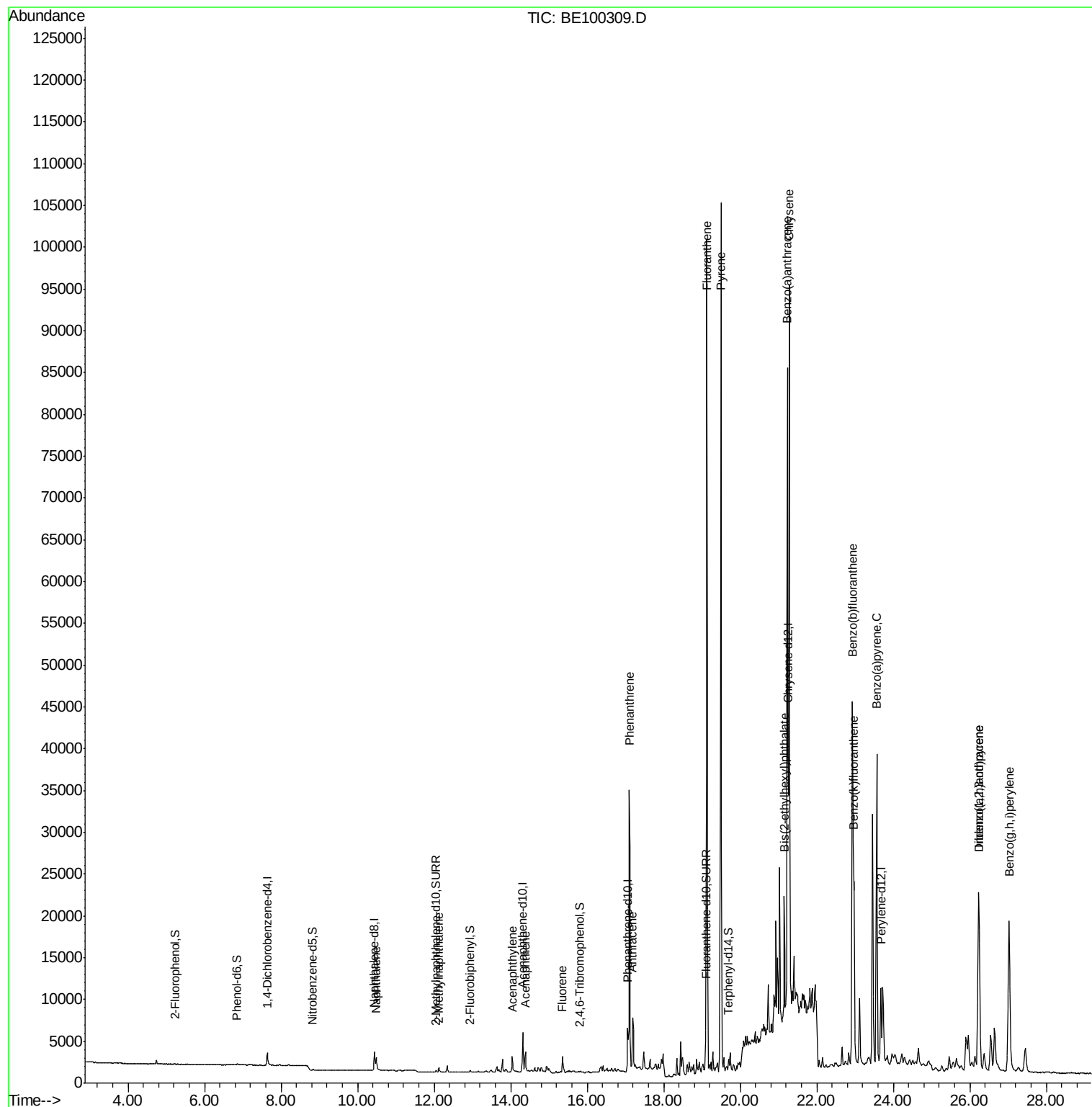
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
Data File : BE100309.D
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Operator : JU/SJ
Sample : K3445-20DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

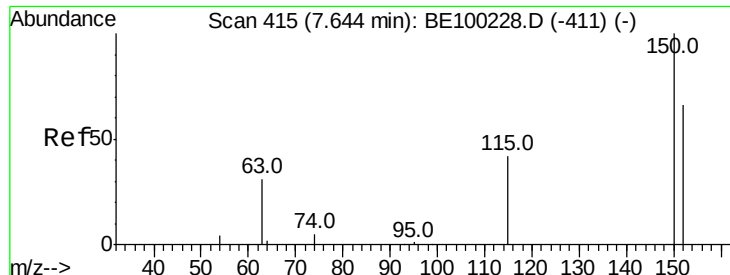
Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

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Quant Time: Jul 03 03:46:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration





#1

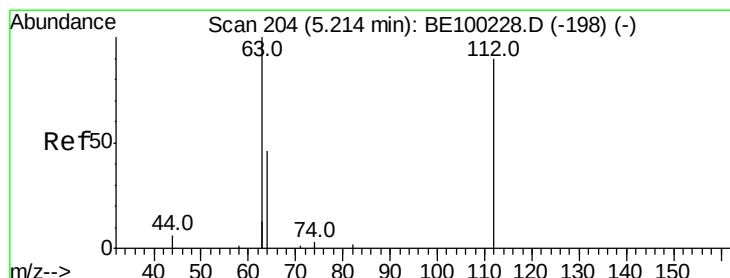
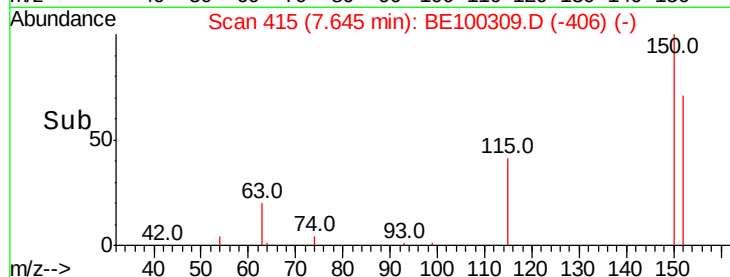
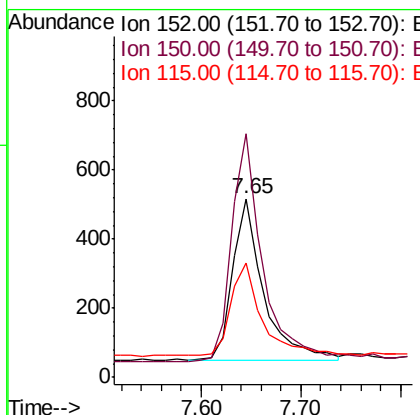
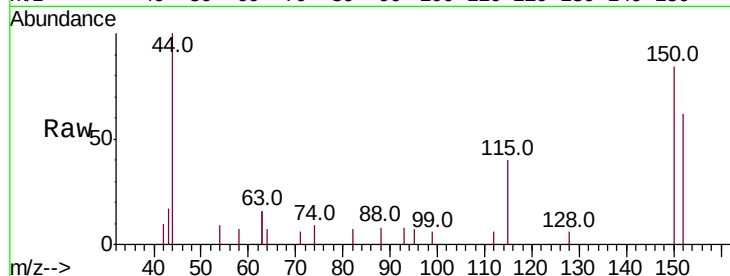
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	136.1	114.5	171.7
115	64.1	57.1	85.7

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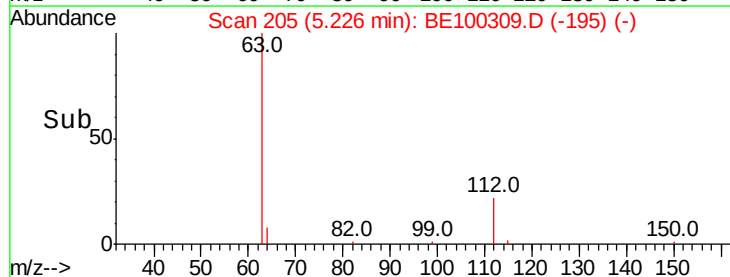
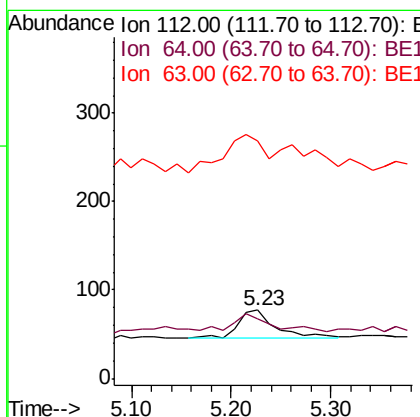
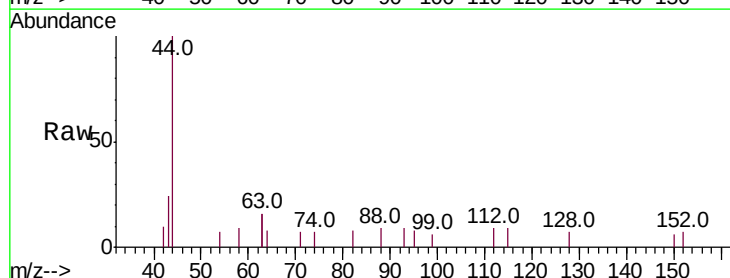
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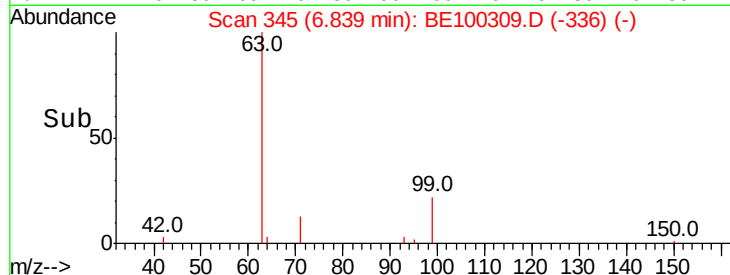
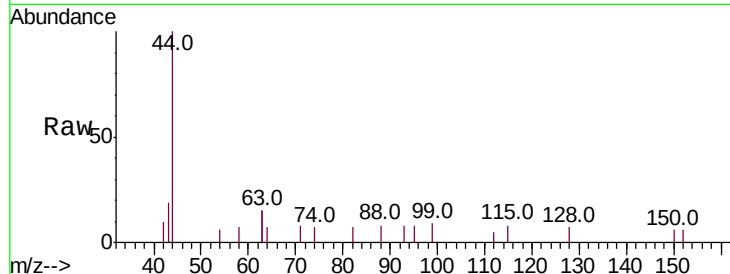
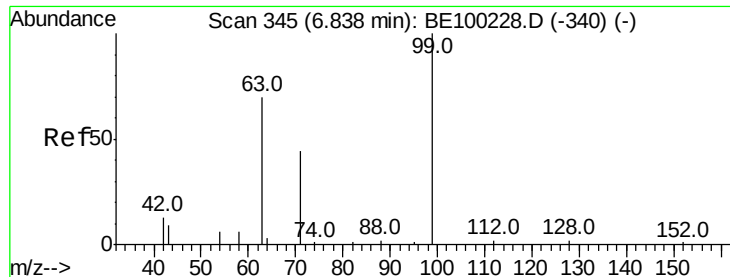


#4

2-Fluorophenol
Concen: 0.034 ng
RT: 5.23 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	39.4	59.0#
63	139.5	104.5	156.7





#5

Phenol-d6

Concen: 0.027 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE100309.D

Acq: 2 Jul 2019 19:15

Tot Ion	99	Resp:	92
Ion	Ratio	Lower	Upper
99	100		
42	15.2	11.2	16.8
71	38.0	37.2	55.8

Instrument :

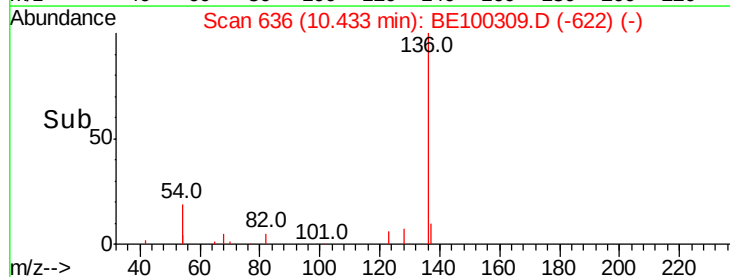
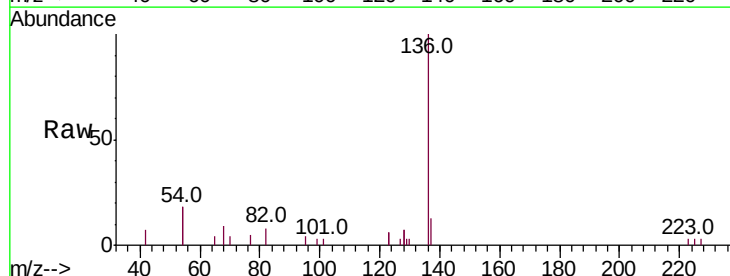
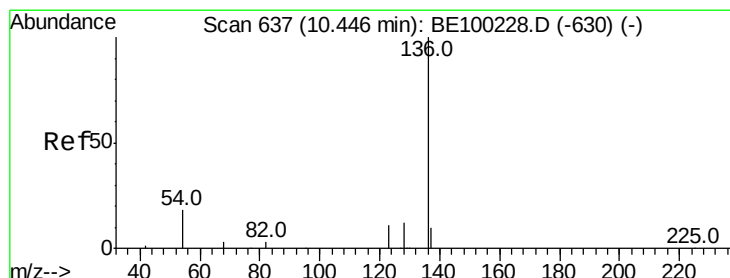
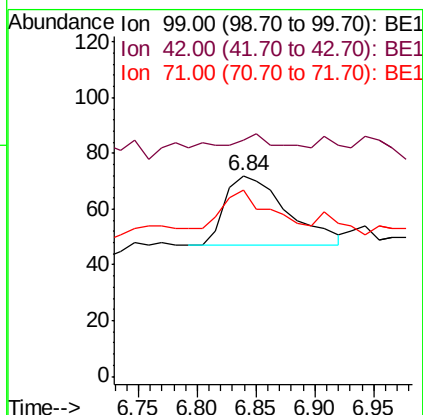
BNA_E

ClientSampleId :

EXT-008-SW110-061719DL

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#7

Naphthalene-d8

Concen: 0.400 ng

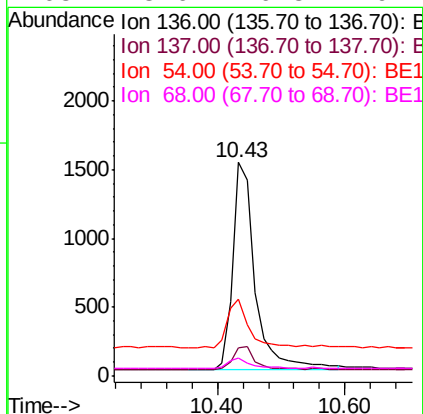
RT: 10.43 min Scan# 636

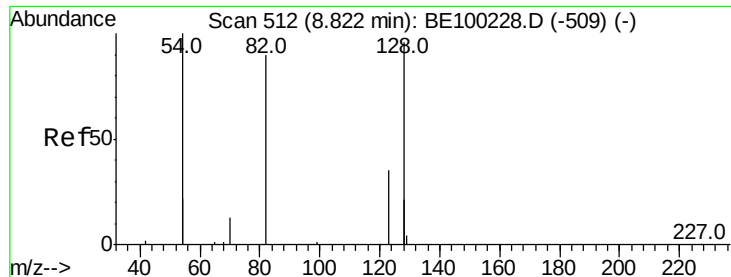
Delta R.T. -0.01 min

Lab File: BE100309.D

Acq: 2 Jul 2019 19:15

Tgt Ion	136	Resp:	3672
Ion	Ratio	Lower	Upper
136	100		
137	13.2	11.8	17.8
54	36.1	27.7	41.5
68	8.6	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.029 ng

RT: 8.82 min Scan# 512

Delta R.T. 0.00 min

Lab File: BE100309.D

Acq: 2 Jul 2019 19:15

Instrument :

BNA_E

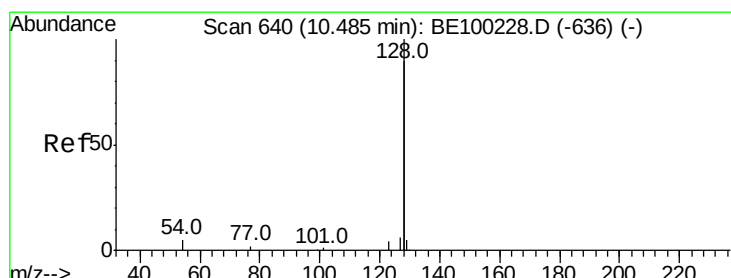
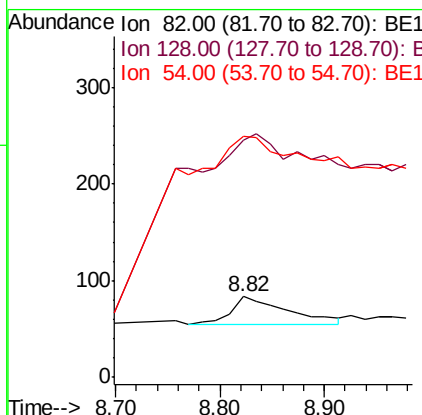
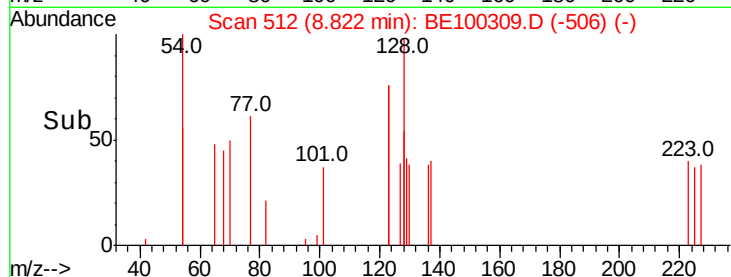
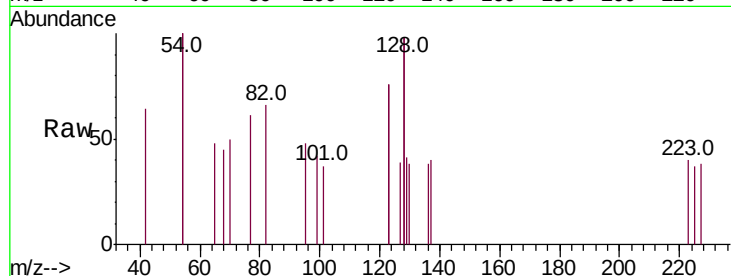
ClientSampleId :

EXT-008-SW110-061719DL

Tot Ion:	82	Resp:	104
Ion	Ratio	Lower	Upper
82	100		
128	296.4	140.9	211.3#
54	301.2	146.2	219.2#

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#9

Naphthalene

Concen: 0.071 ng

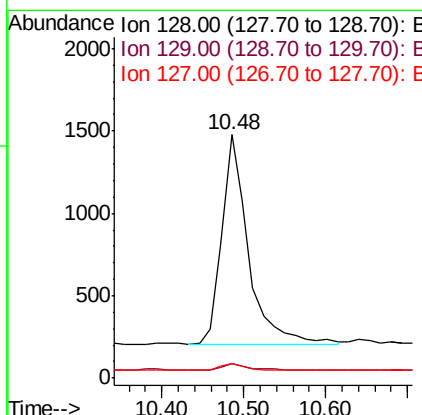
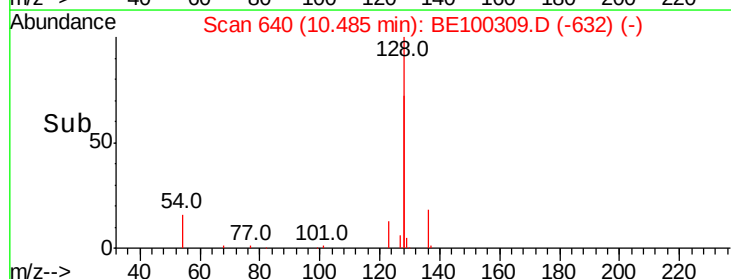
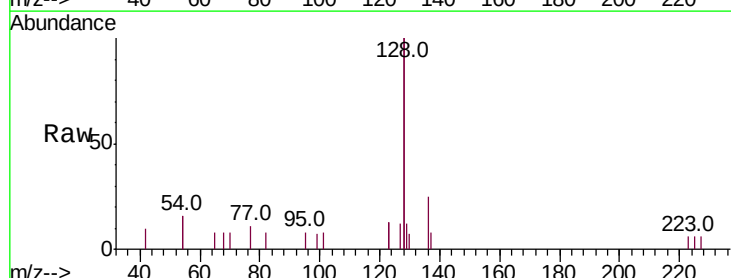
RT: 10.48 min Scan# 640

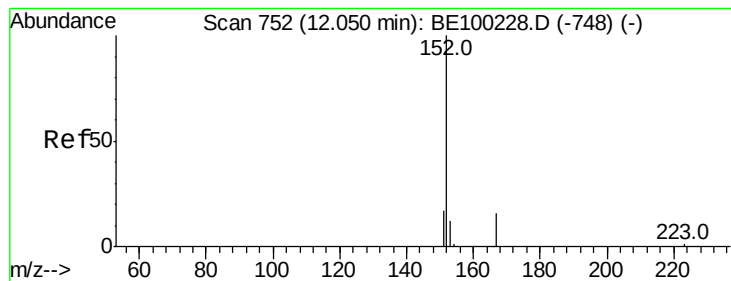
Delta R.T. 0.00 min

Lab File: BE100309.D

Acq: 2 Jul 2019 19:15

Tgt Ion:	128	Resp:	2857
Ion	Ratio	Lower	Upper
128	100		
129	6.0	3.0	4.6#
127	6.0	3.5	5.3#





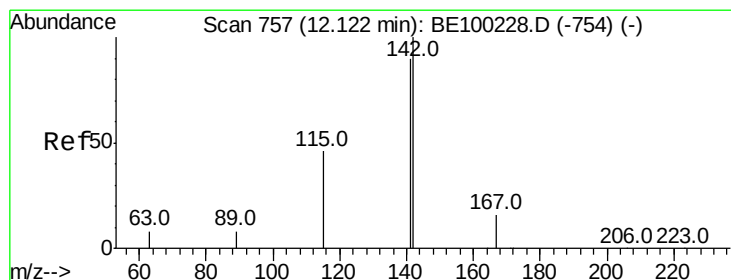
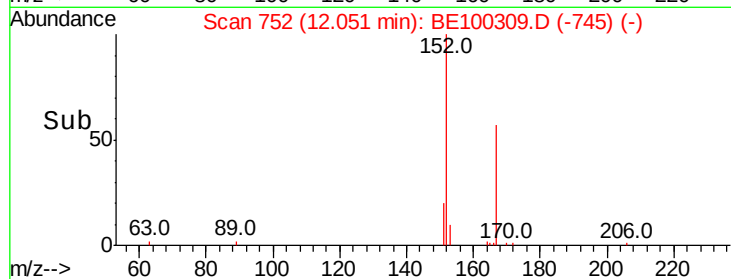
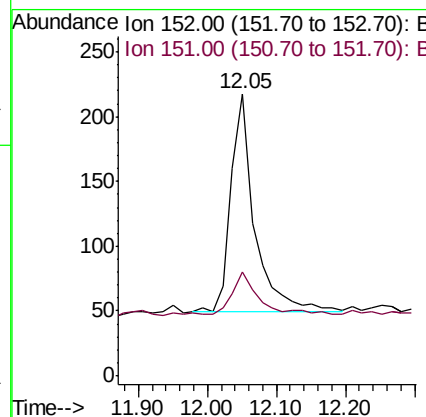
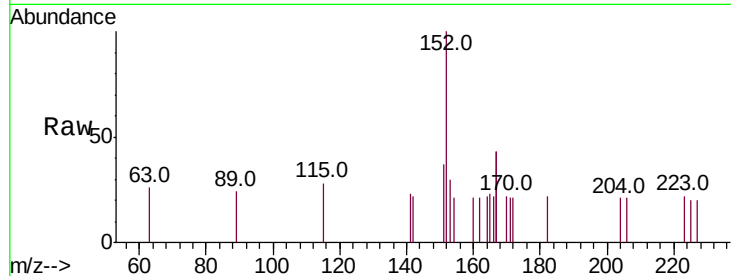
#11
2-Methylnaphthalene-d10
Concen: 0.058 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.1	22.7

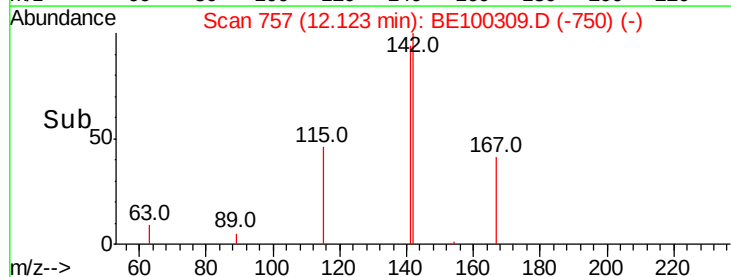
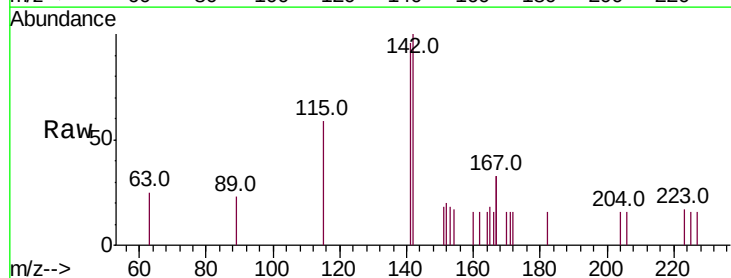
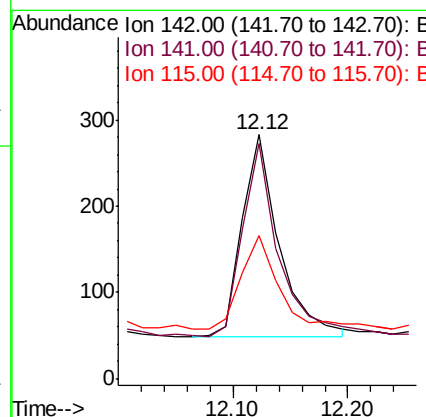
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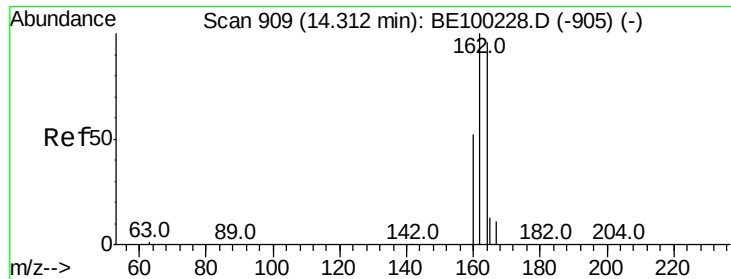
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#12
2-Methylnaphthalene
Concen: 0.074 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.5	72.4	108.6
115	58.7	40.4	60.6





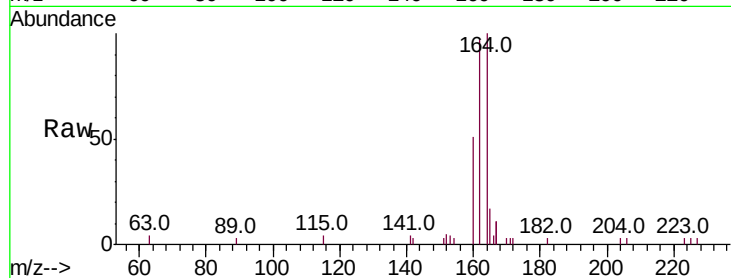
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

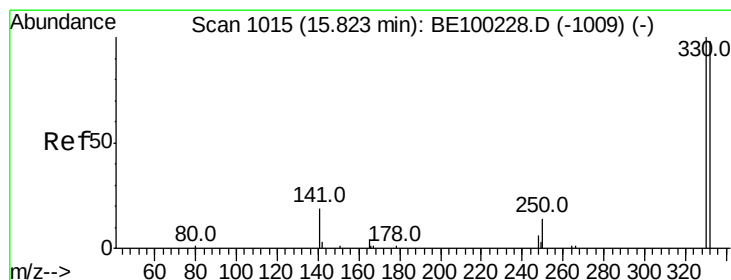
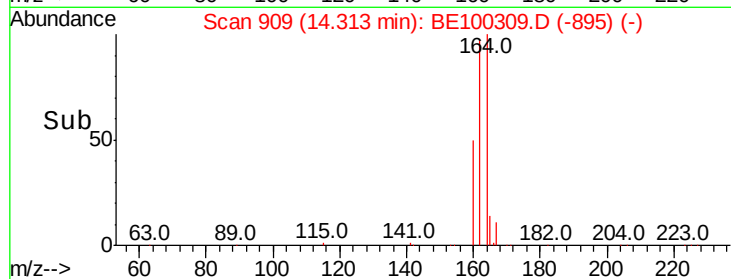
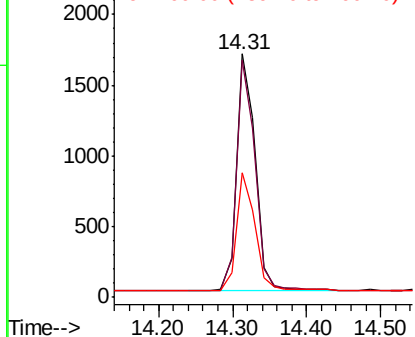
Tot Ion	Ratio	Lower	Upper
164	100		
162	97.2	83.4	125.0
160	51.2	45.0	67.6

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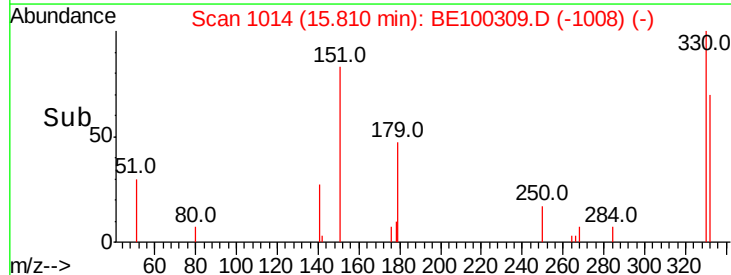
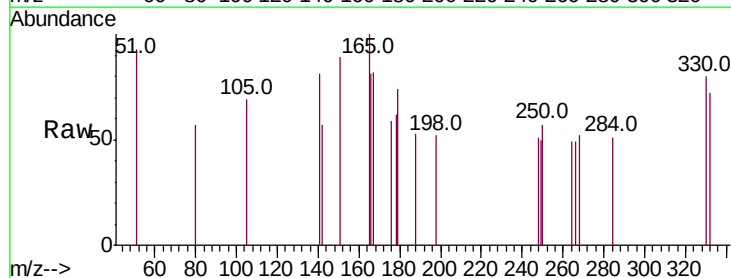
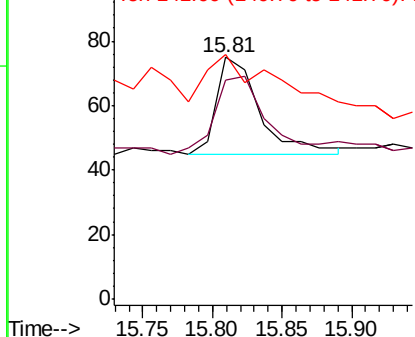
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

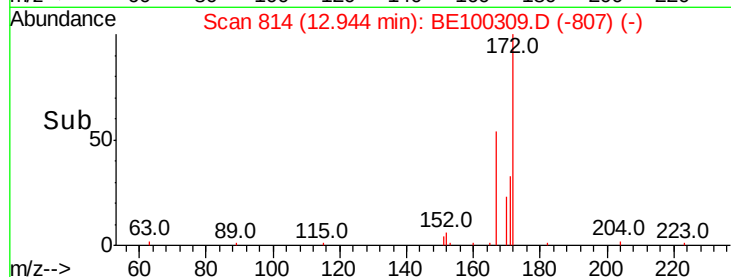
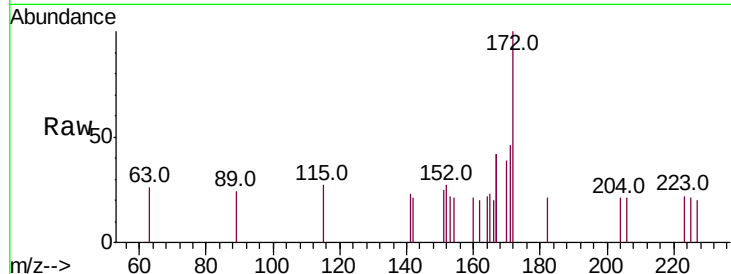
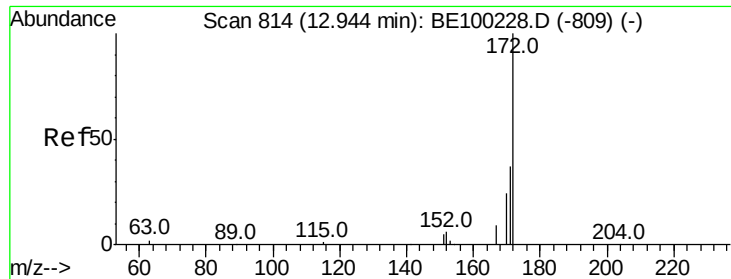


#14
2,4,6-Tribromophenol
Concen: 0.032 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.4
141	126.2	22.0	33.0#

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





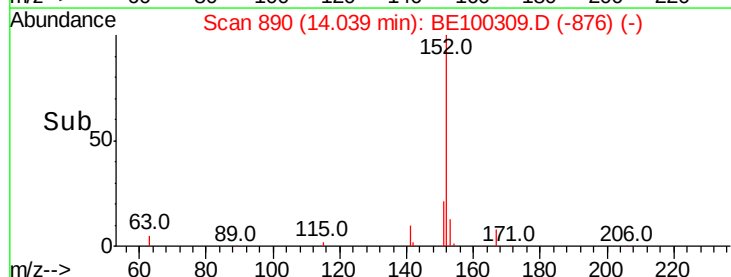
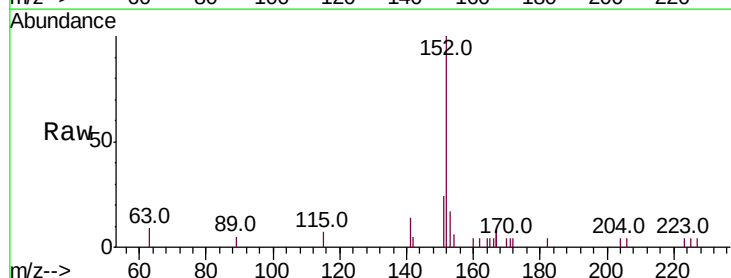
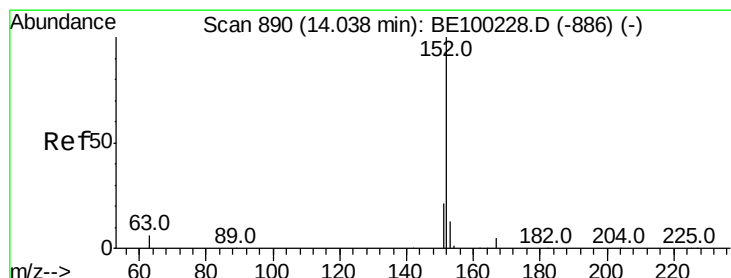
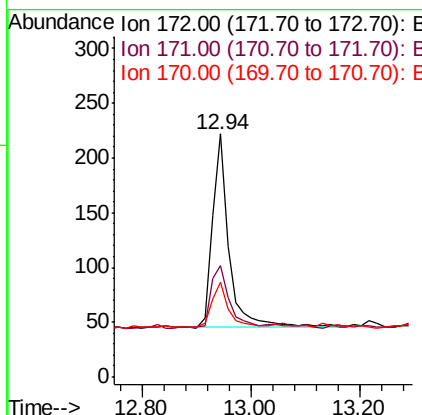
#15
2-Fluorobiphenyl
Concen: 0.032 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tot Ion	Ratio	Lower	Upper
172	100		
171	45.9	31.9	47.9
170	39.2	22.2	33.2

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

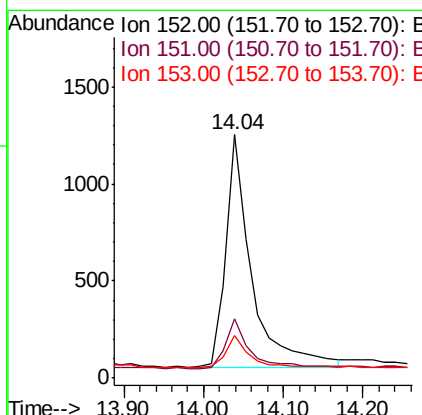
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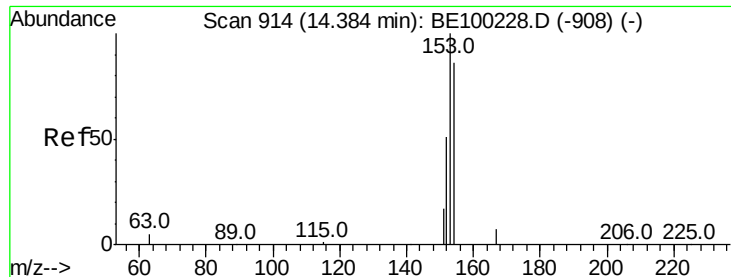
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#16
Acenaphthylene
Concen: 0.190 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.6	25.0
153	13.0	10.5	15.7





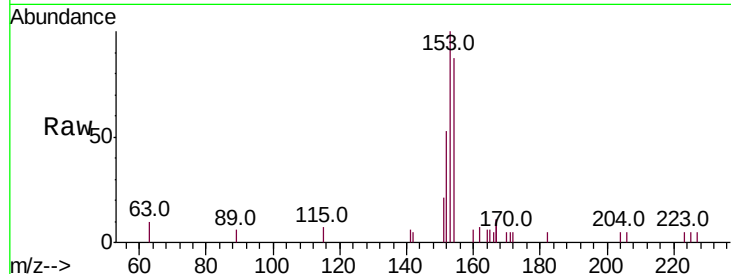
#17
Acenaphthene
Concen: 0.160 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.9	93.4	140.2
152	61.1	49.4	74.2

Manual Integrations
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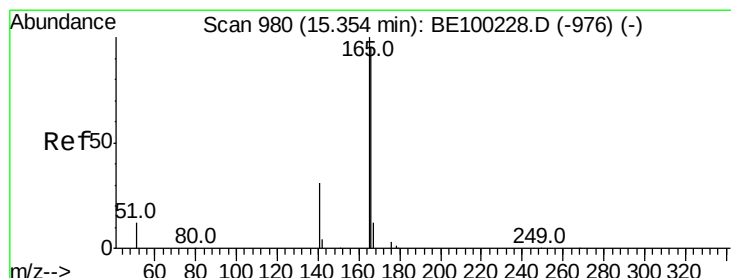
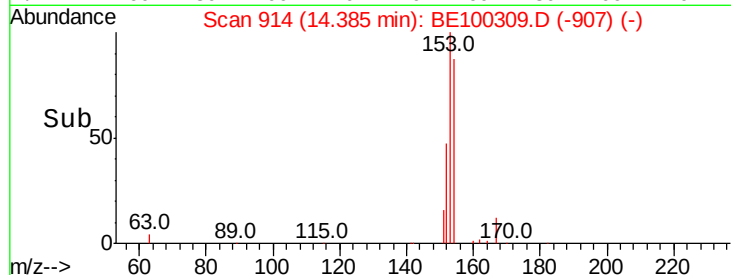
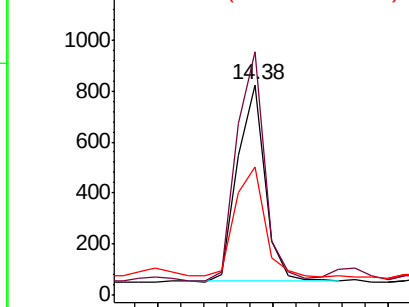


Abundance

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: 0.157 ng
RT: 15.35 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

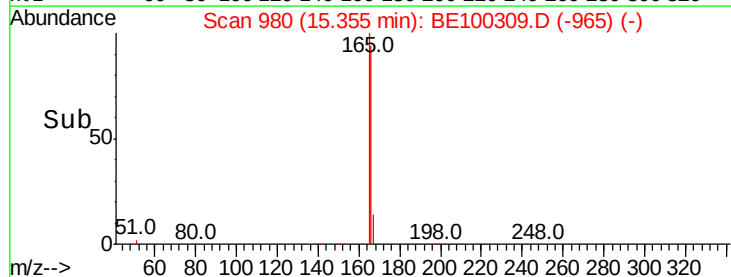
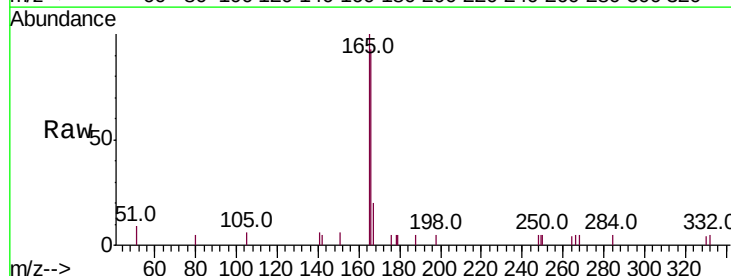
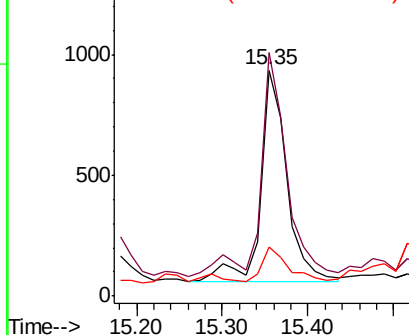
Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.6	81.1	121.7
167	15.9	10.7	16.1

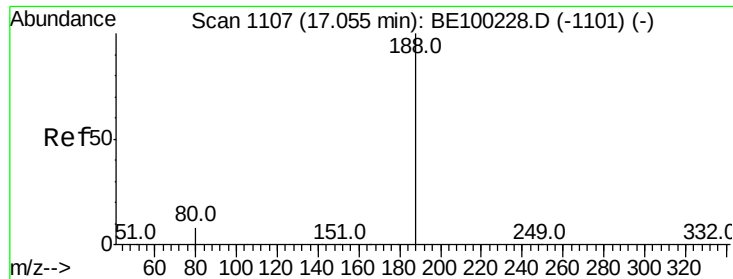
Abundance

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





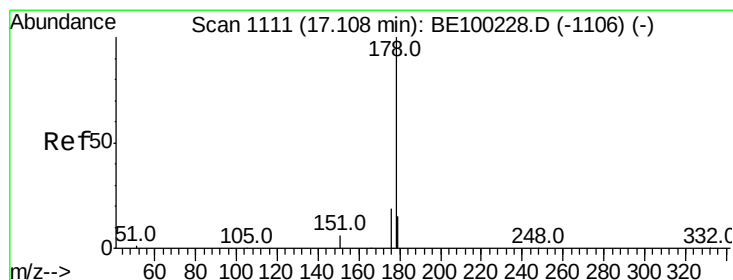
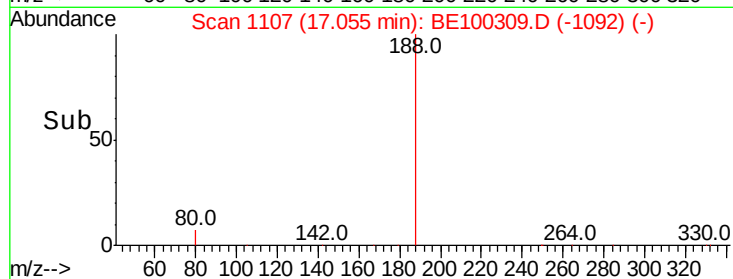
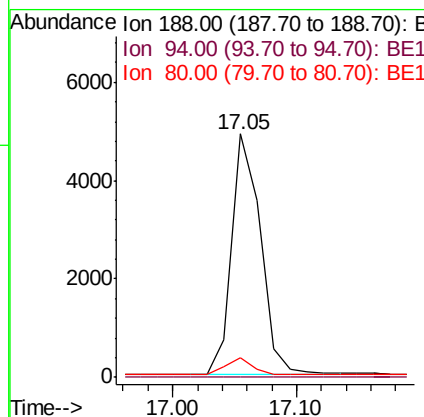
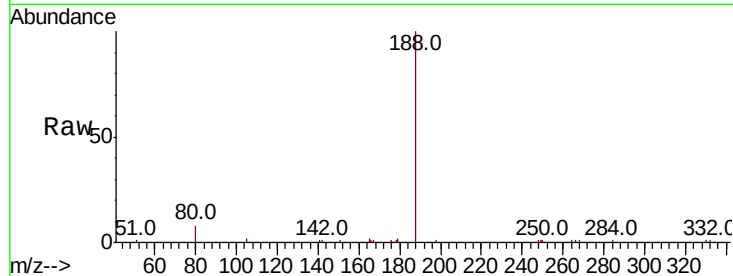
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	7986		
94	0.0	0.0	0.0	0.0
80	8.2	7.6	11.4	

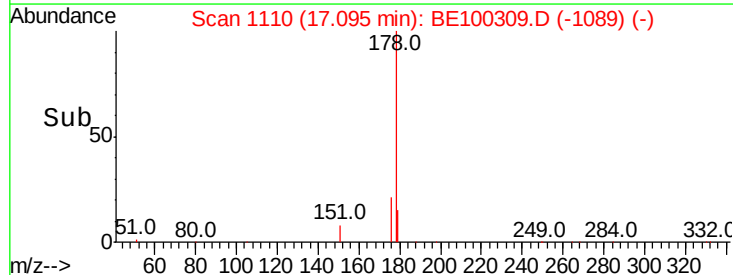
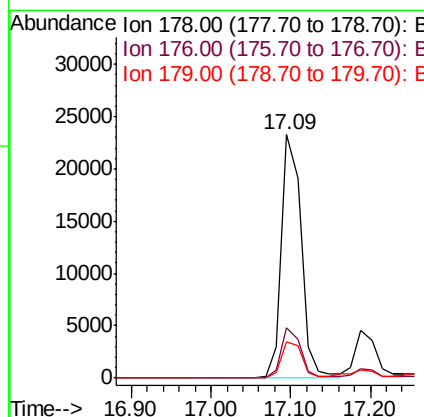
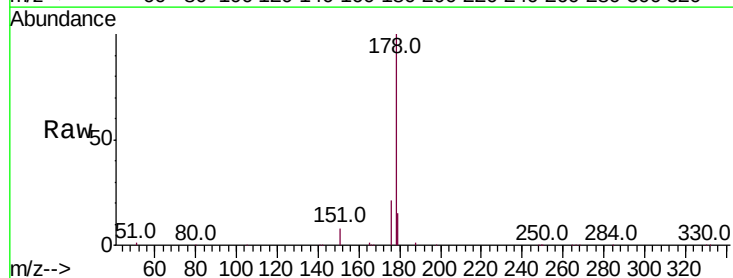
Manual Integrations
APPROVED

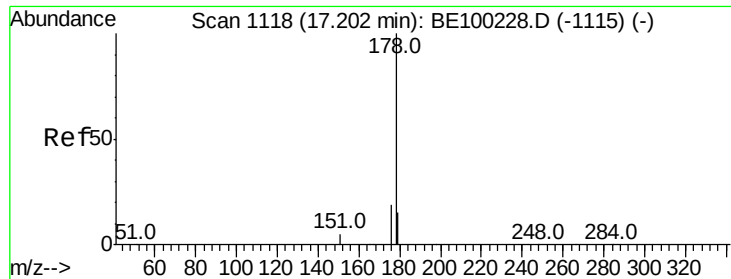
mohammad
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#23
Phenanthrene
Concen: 2.057 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	39810		
176	19.9	15.9	23.9	
179	15.4	12.2	18.2	





#24

Anthracene

Concen: 0.449 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100309.D

Acq: 2 Jul 2019 19:15

Instrument :

BNA_E

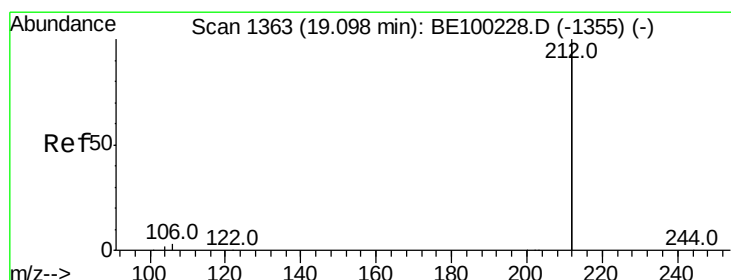
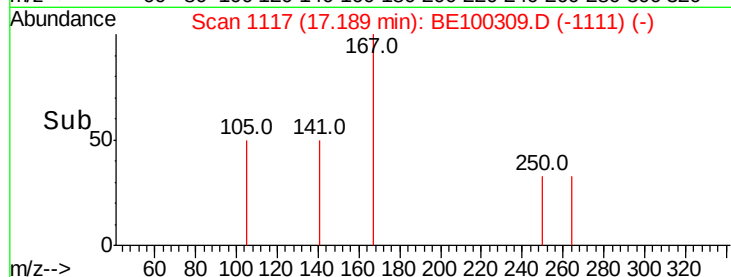
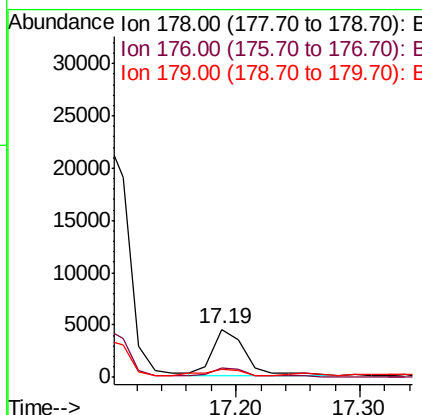
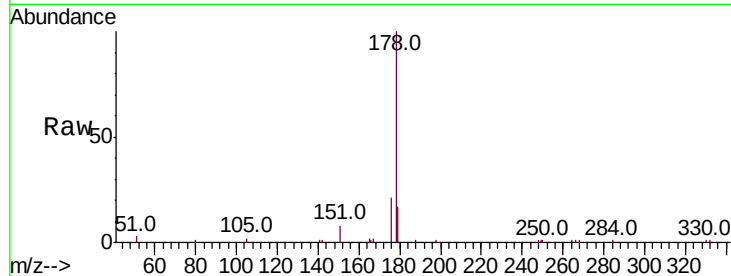
ClientSampleId :

EXT-008-SW110-061719DL

Tot Ion:178	Resp:	7830
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.3 22.9
179	16.6	12.2 18.2

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#25

Fluoranthene-d10

Concen: 0.056 ng

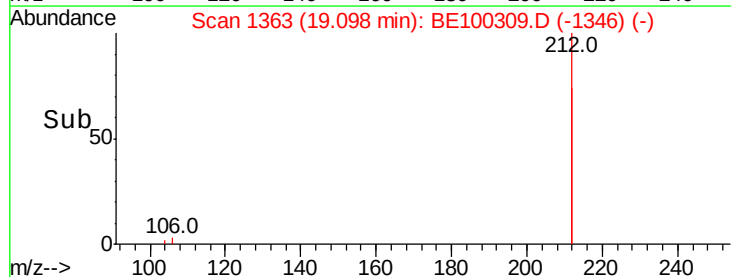
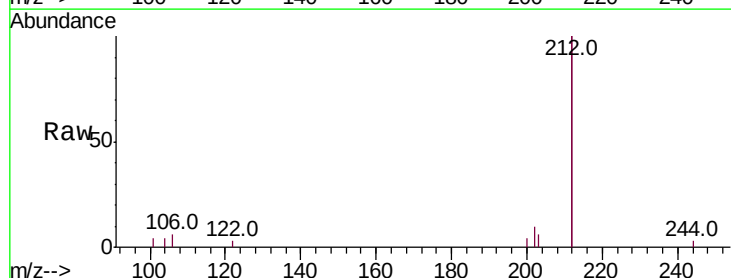
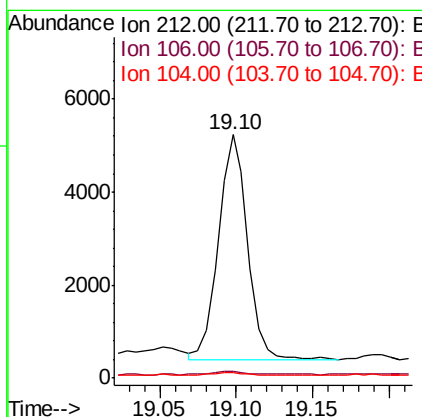
RT: 19.10 min Scan# 1363

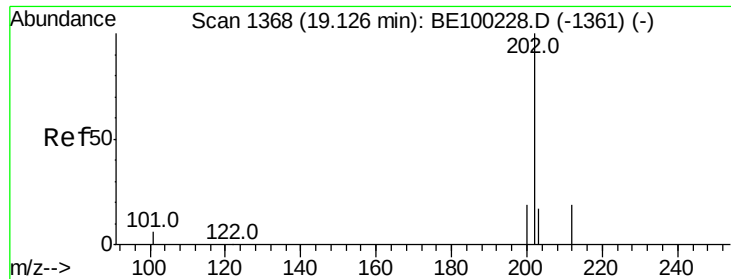
Delta R.T. 0.00 min

Lab File: BE100309.D

Acq: 2 Jul 2019 19:15

Tgt Ion:212	Resp:	6453
Ion Ratio	Lower	Upper
212	100	
106	2.0	1.3 1.9#
104	1.0	0.8 1.2





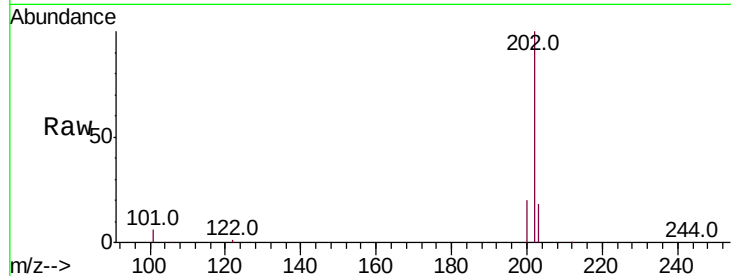
#26
Fluoranthene
Concen: 3.081 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

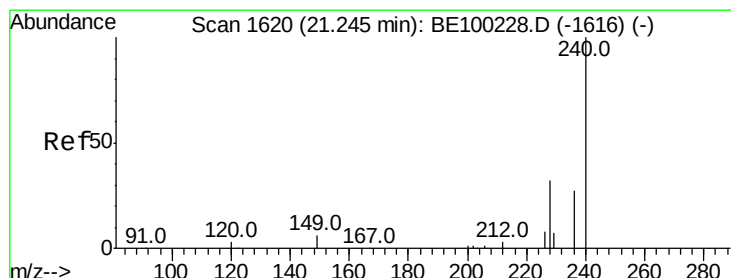
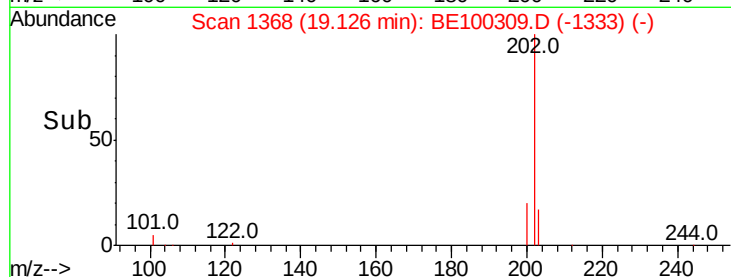
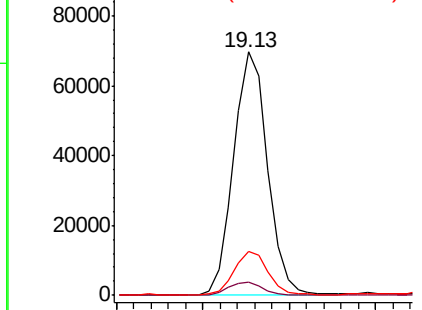
Tot Ion	Ratio	Lower	Upper
202	100		
101	5.5	4.6	7.0
203	17.6	13.7	20.5

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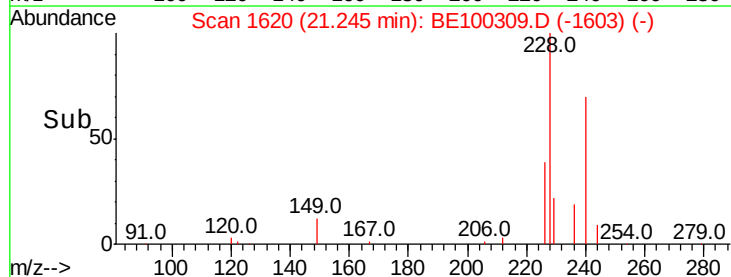
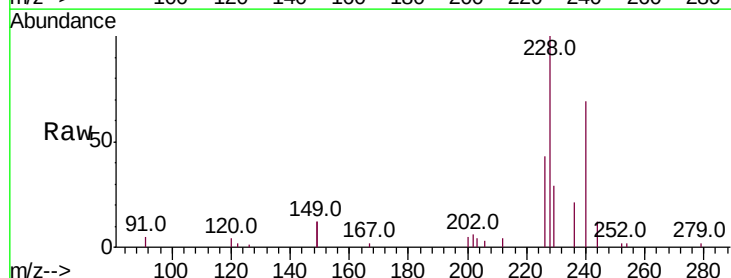
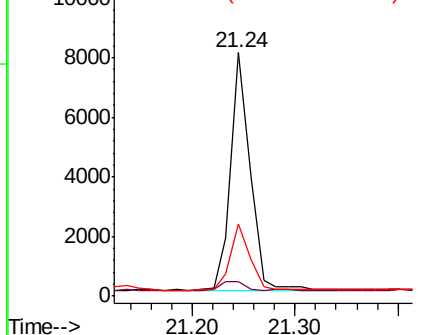
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

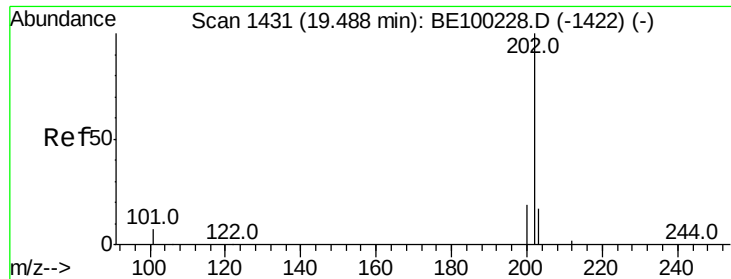


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.9	3.3	4.9#
236	29.6	22.6	34.0

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





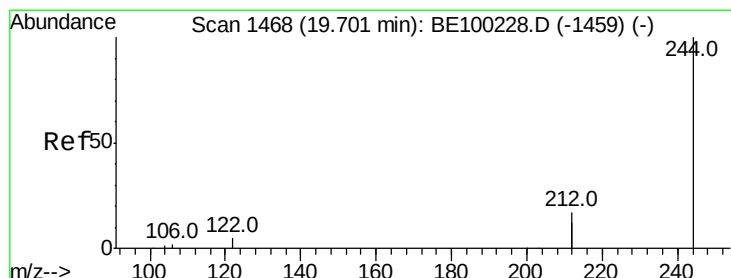
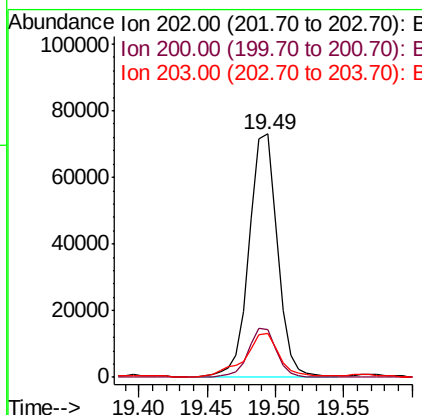
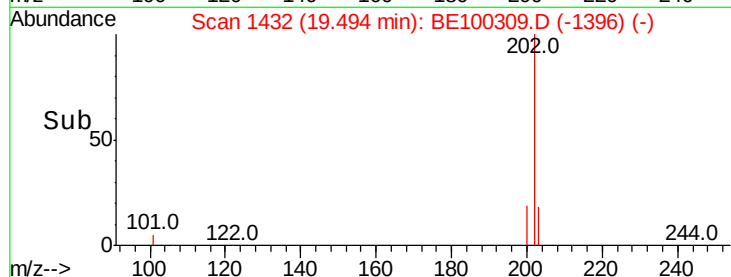
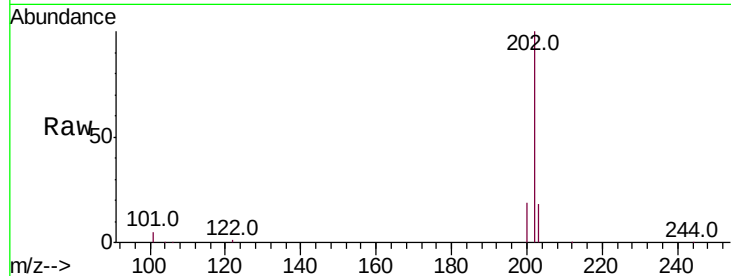
#28
Pvrene
Concen: 3.759 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.9	15.6	23.4
203	21.6	14.0	21.0#

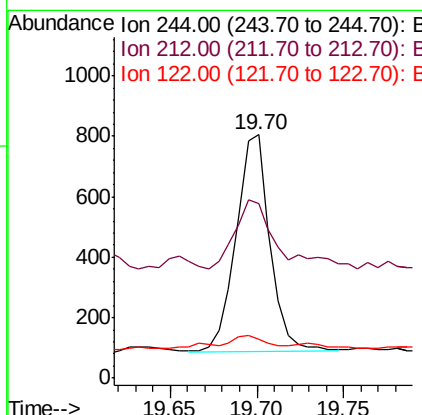
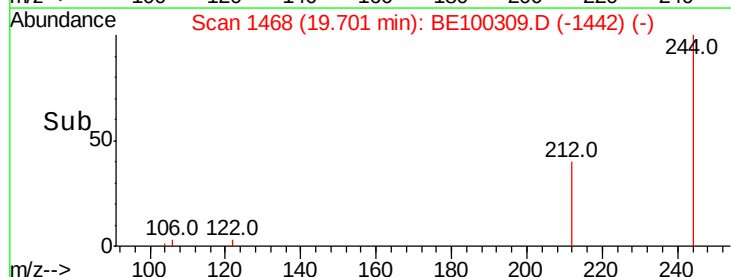
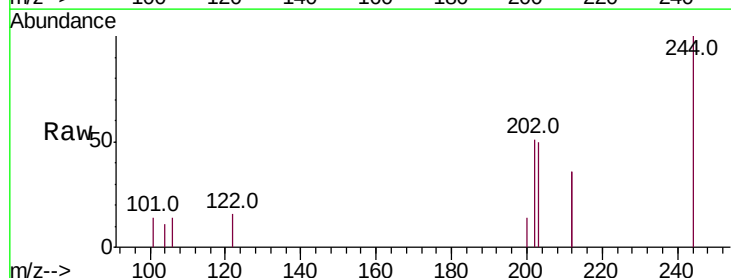
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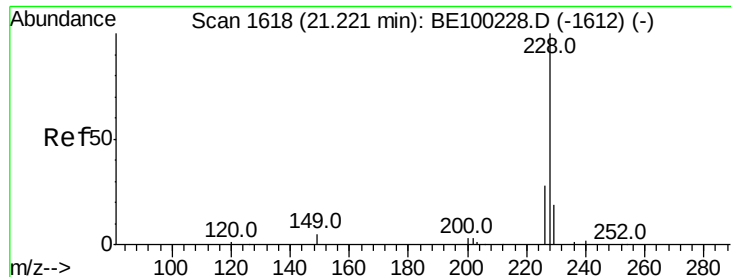
mohammad
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#29
Terphenyl-d14
Concen: 0.046 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	71.5	27.3	40.9#
122	15.9	4.7	7.1#





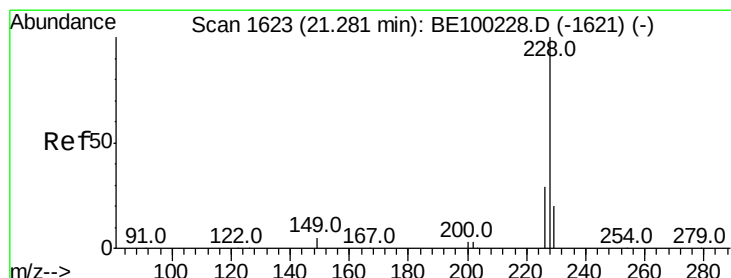
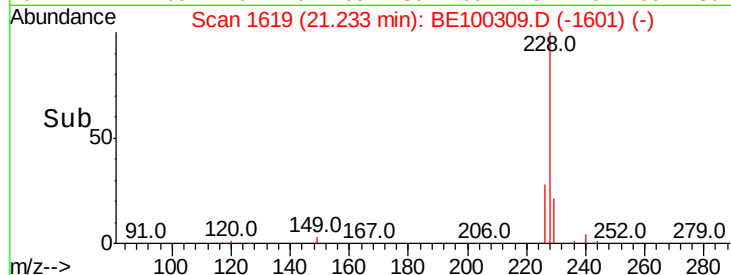
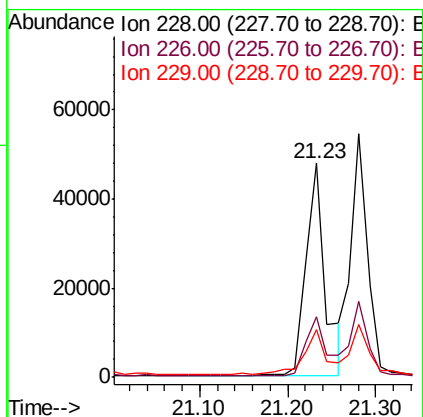
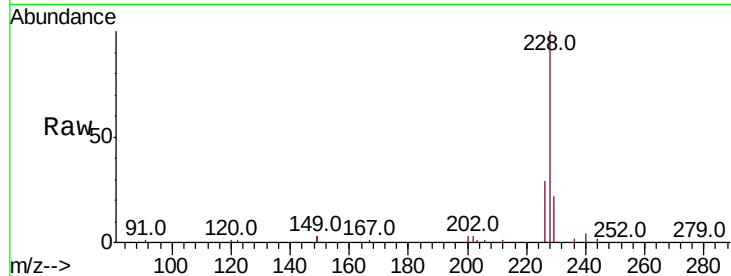
#30
Benzo(a)anthracene
Concen: 2.150 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.2	34.8
229	22.1	15.7	23.5

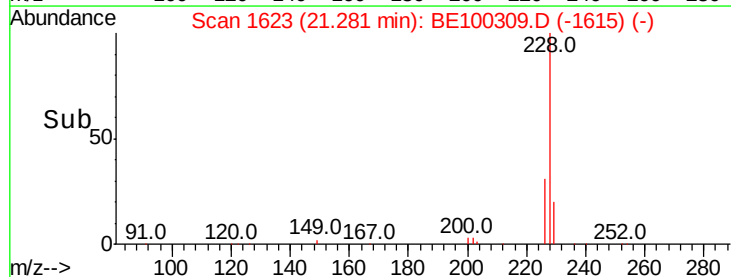
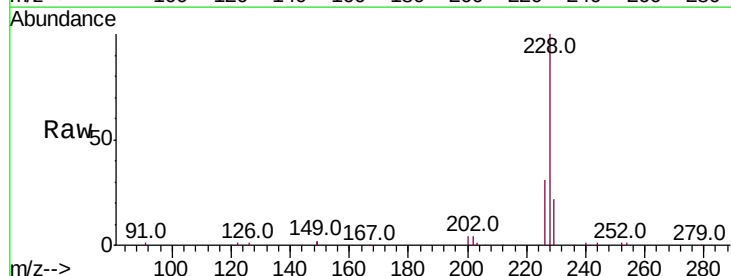
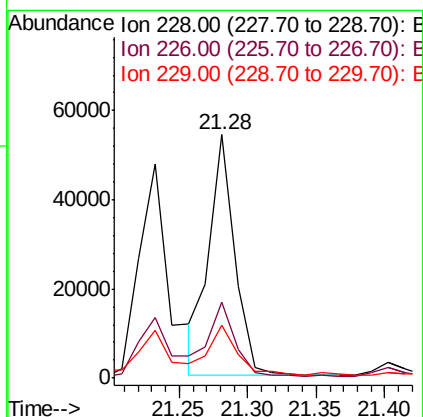
Manual Integrations
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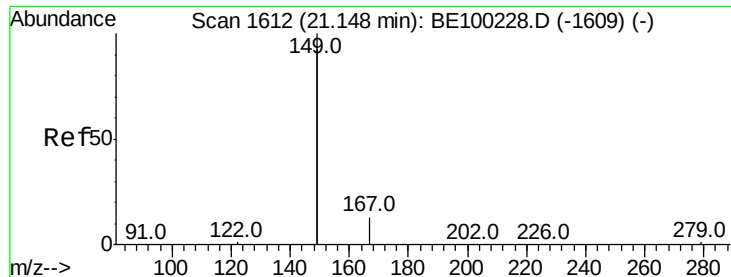
mohammad
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#31
Chrysene
Concen: 2.054 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	22.0	16.5	24.7





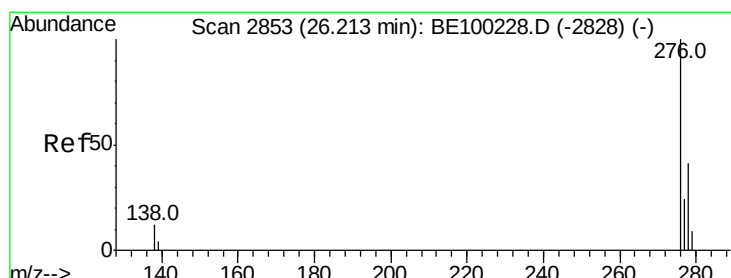
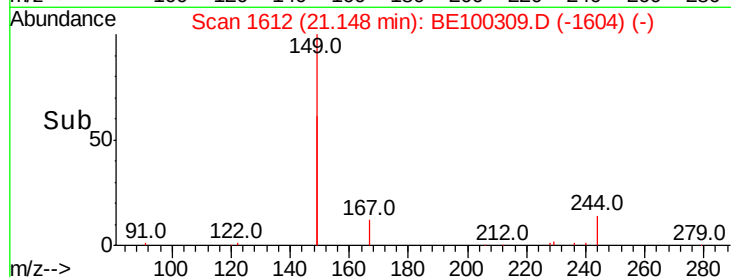
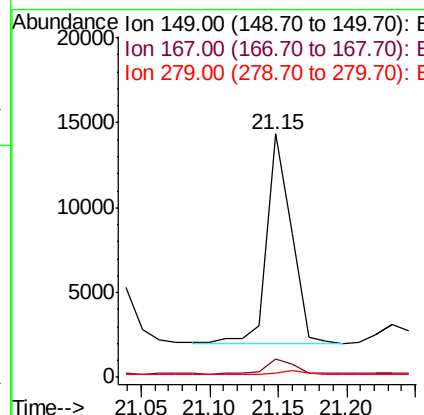
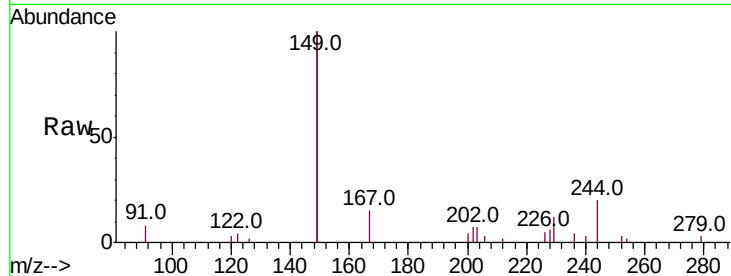
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.256 ng
 RT: 21.15 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BE100309.D
 Acq: 2 Jul 2019 19:15

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW110-061719DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.8	8.8
279	1.7	1.1	1.7#

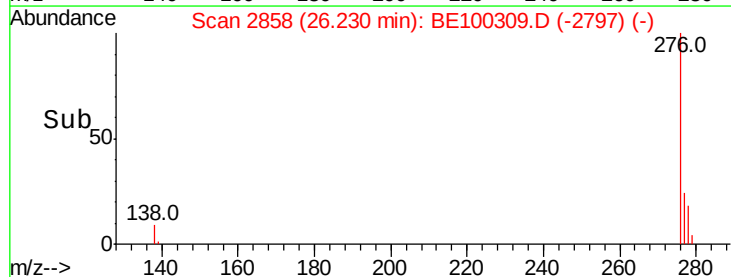
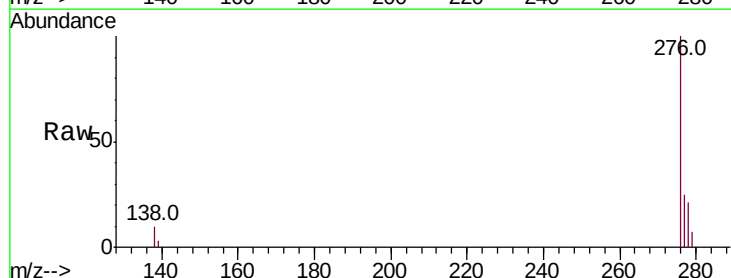
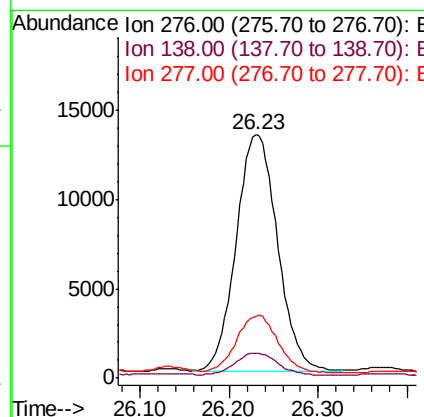
Manual Integrations
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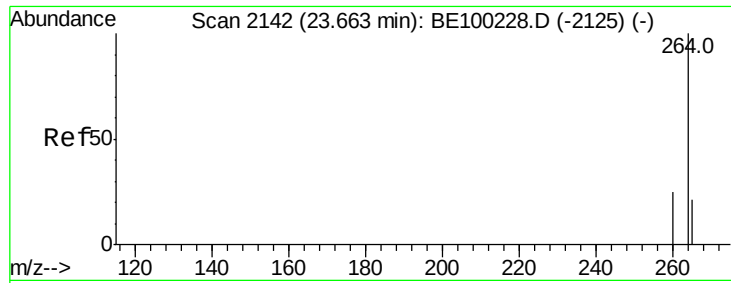
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.942 ng
 RT: 26.23 min Scan# 2858
 Delta R.T. 0.02 min
 Lab File: BE100309.D
 Acq: 2 Jul 2019 19:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.5	9.4	14.0
277	24.6	19.2	28.8





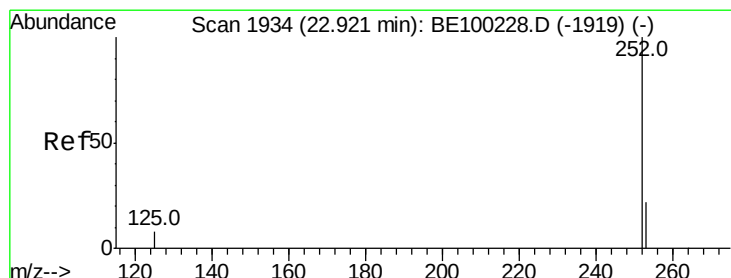
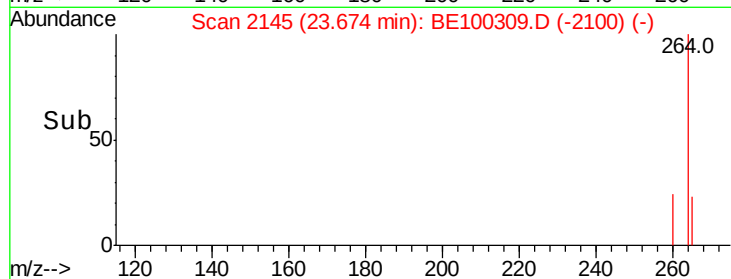
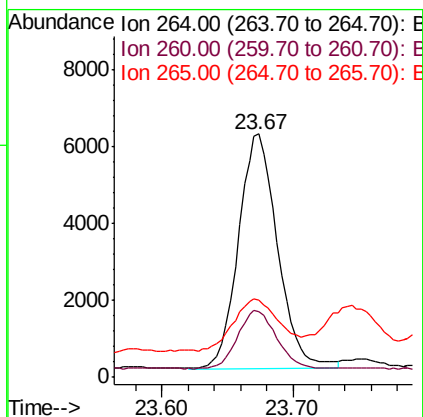
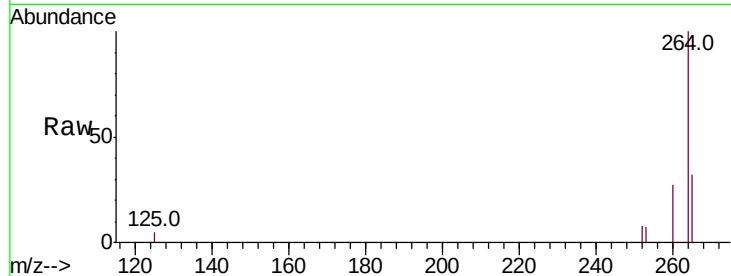
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2145
Delta R.T. 0.01 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.9	20.8	31.2
265	31.7	21.8	32.6

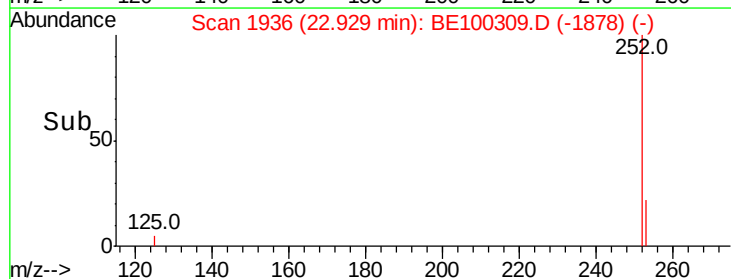
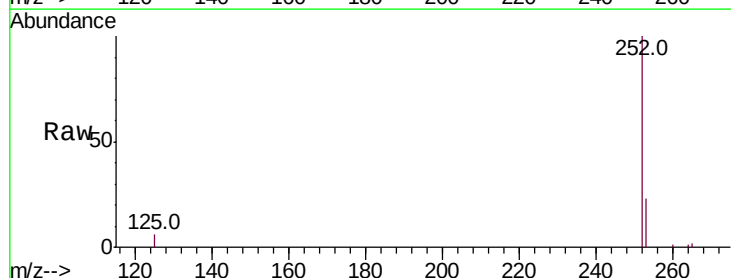
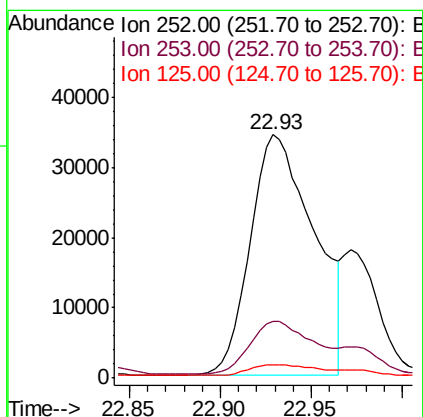
Manual Integrations
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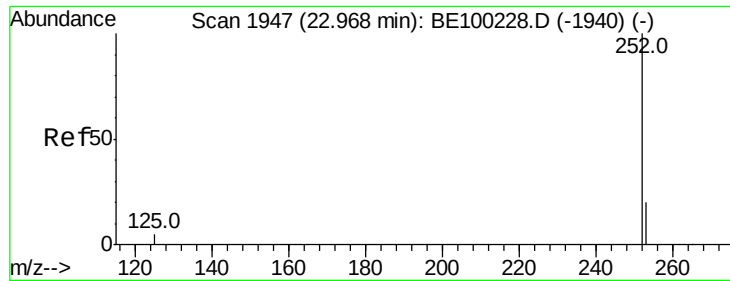
mohammad
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#35
Benzo(b)fluoranthene
Concen: 2.439 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.2	28.8
125	5.6	7.4	11.0





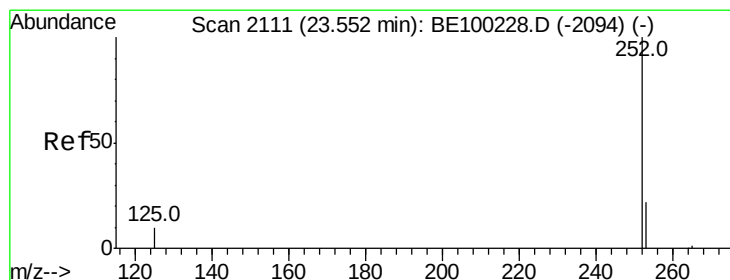
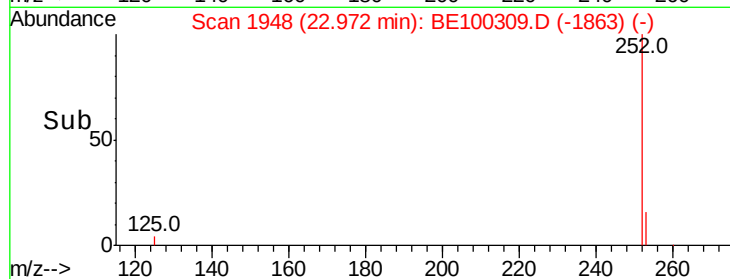
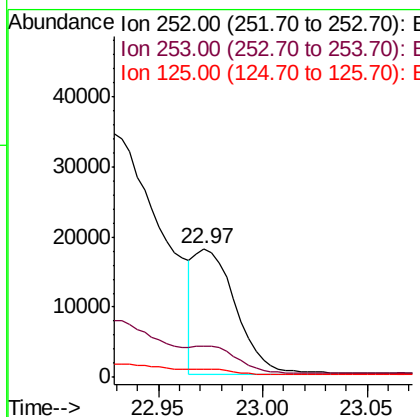
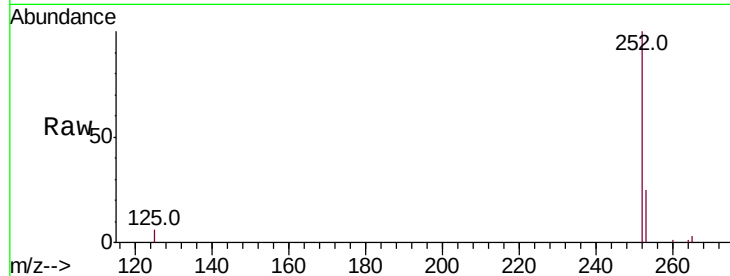
#36
Benzo(k)fluoranthene
Concen: 0.645 ng m
RT: 22.97 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

Tot Ion:252 Resp: 24783
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 6.3 5.0 7.4

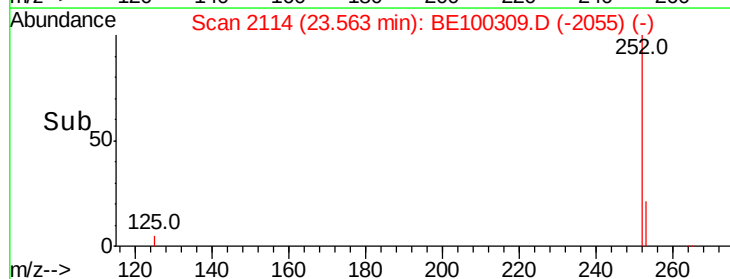
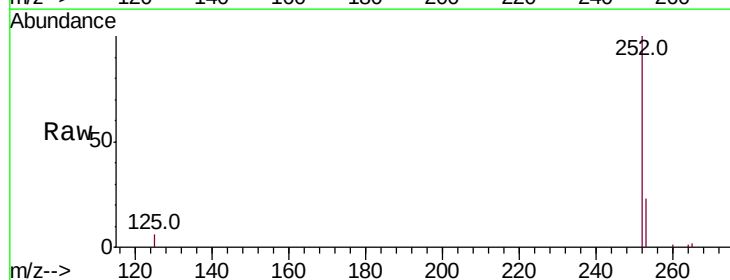
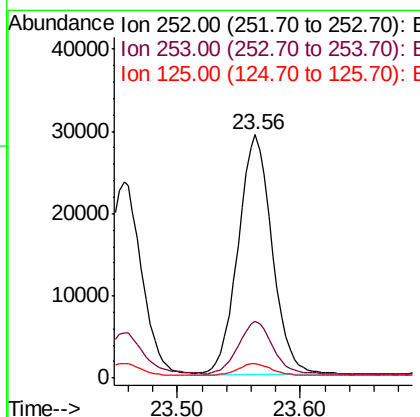
Manual Integrations
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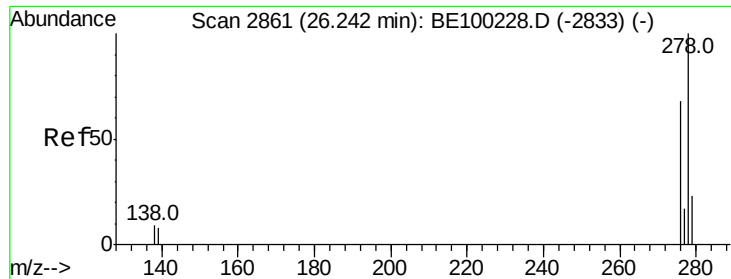
mohammad
7/3/2019 10:49:01 PM



#37
Benzo(a)pyrene
Concen: 1.629 ng m
RT: 23.56 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tgt Ion:252 Resp: 56230
Ion Ratio Lower Upper
252 100
253 23.3 19.6 29.4
125 6.0 9.0 13.6#





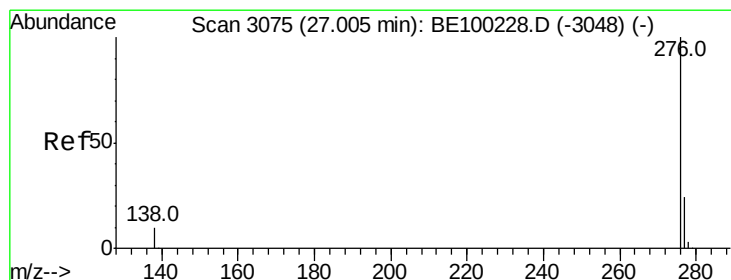
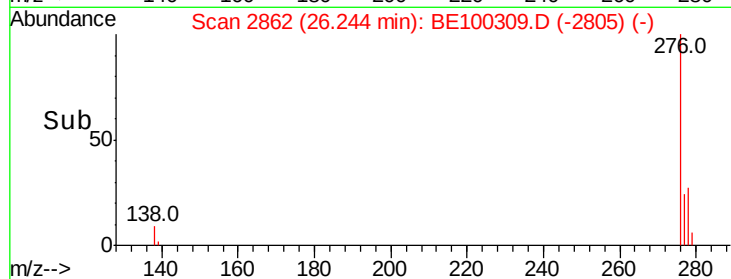
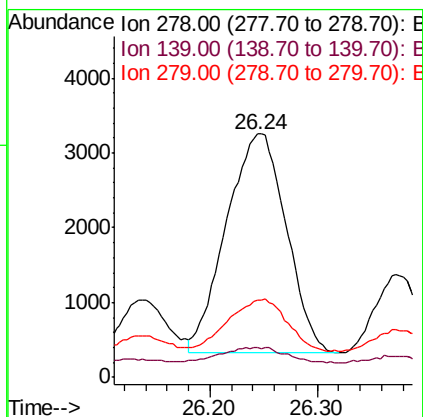
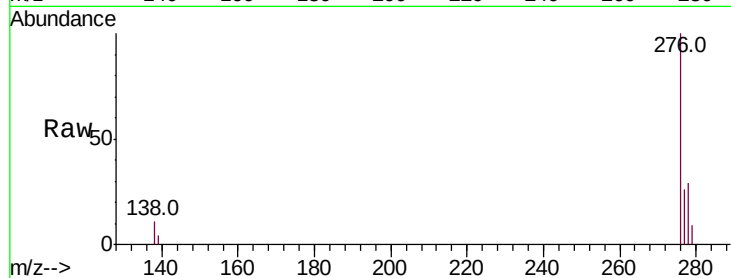
#38
Dibenzo(a,h)anthracene
Concen: 0.313 ng
RT: 26.24 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.4	8.2	12.2#
279	31.7	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/3/2019 10:49:01 PM



#39
Benzo(g,h,i)perylene
Concen: 1.260 ng
RT: 27.02 min Scan# 3080
Delta R.T. 0.02 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	20.2	30.2
138	10.6	9.0	13.6

