

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100279.D
 Acq On : 2 Jul 2019 00:32
 Operator : JU/SJ
 Sample : K3445-18
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-001-SW078-061719

Manual Integrations
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mohammad
 7/3/2019 9:48:18 AM

Quant Time: Jul 02 03:55:35 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	7.64	152	790	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2891	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2212	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6401	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8446	0.40	ng	0.00
34) Perylene-d12	23.67	264	9670	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	719	0.36	ng	0.00
5) Phenol-d6	6.83	99	988	0.37	ng	-0.01
8) Nitrobenzene-d5	8.81	82	1015	0.35	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1894	0.35	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	555	0.36	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	3058	0.35	ng	0.00
25) Fluoranthene-d10	19.09	212	31044	0.33	ng	0.00
29) Terphenyl-d14	19.70	244	7257	0.41	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.48	128	3070	0.096	ng	# 96
12) 2-Methylnaphthalene	12.12	142	587	0.105	ng	97
16) Acenaphthylene	14.04	152	3795	0.358	ng	98
17) Acenaphthene	14.38	154	316	0.053	ng	# 84
18) Fluorene	15.35	166	1317	0.148	ng	# 88
23) Phenanthrene	17.09	178	25545	1.647	ng	99
24) Anthracene	17.19	178	3695	0.264	ng	# 85
26) Fluoranthene	19.13	202	61020	2.469	ng	99
28) Pyrene	19.49	202	92802	4.150	ng	98
30) Benzo(a)anthracene	21.22	228	42961	1.547	ng	97
31) Chrysene	21.28	228	47258	1.695	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	16464	0.362	ng	99
33) Indeno(1,2,3-cd)pyrene	26.22	276	29829	0.809	ng	98
35) Benzo(b)fluoranthene	22.92	252	47860	1.825	ng	98
36) Benzo(k)fluoranthene	22.97	252	14950m	0.511	ng	
37) Benzo(a)pyrene	23.56	252	38773m	1.476	ng	
38) Dibenzo(a,h)anthracene	26.23	278	7004	0.255	ng	# 85
39) Benzo(a,h,i)perylene	27.02	276	35614	1.263	ng	99

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

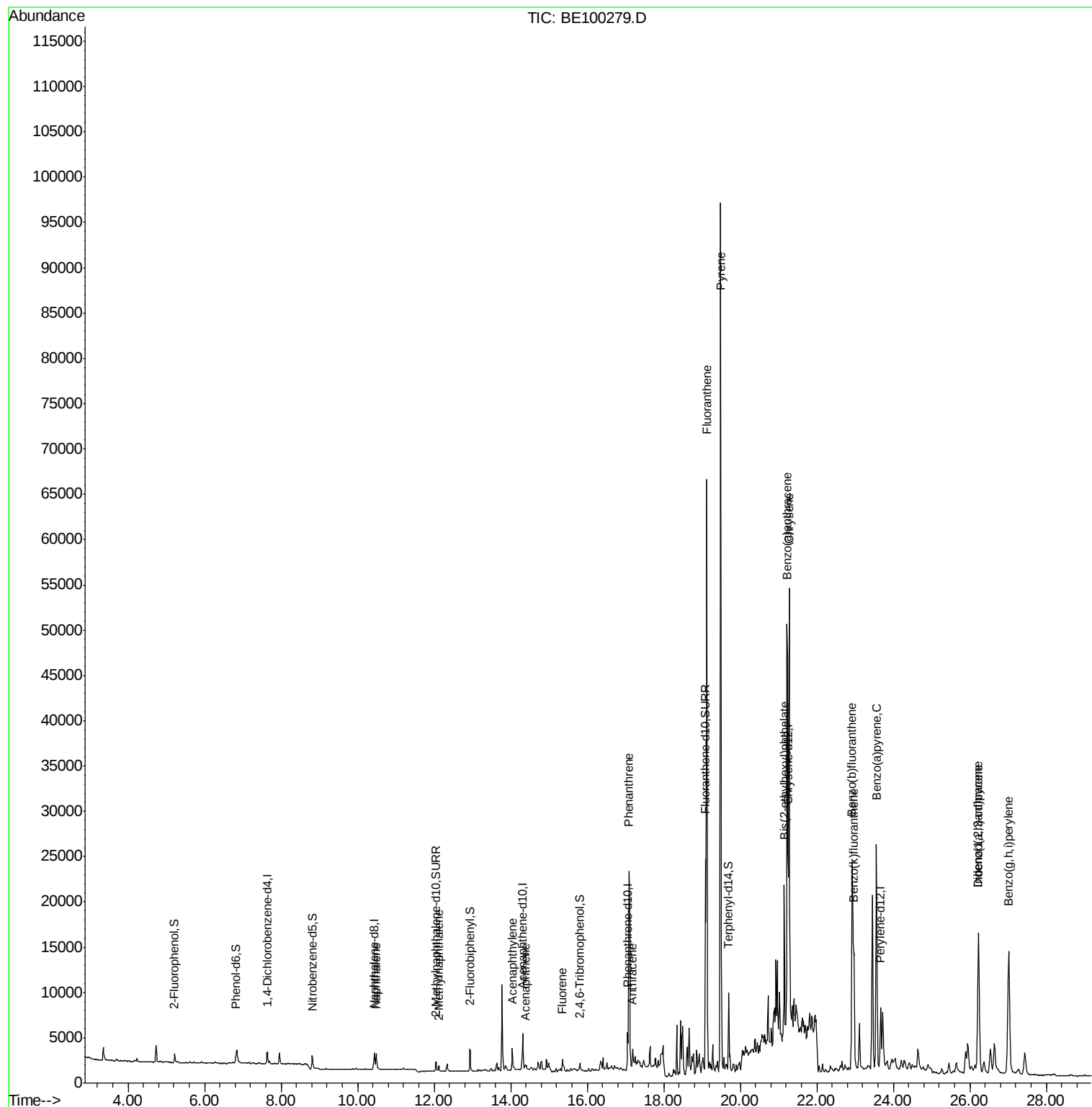
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100279.D
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Misc :
ALS Vial : 20 Sample Multiplier: 1

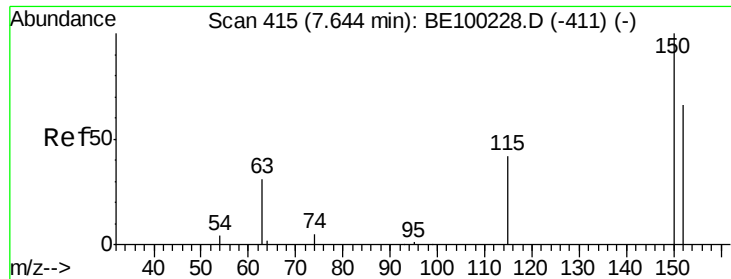
Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

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7/3/2019 9:48:18 AM

Quant Time: Jul 02 03:55:35 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
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#1

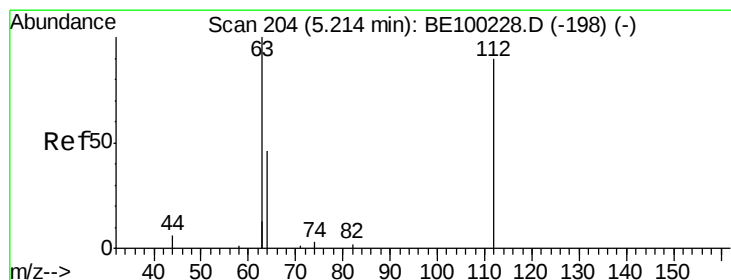
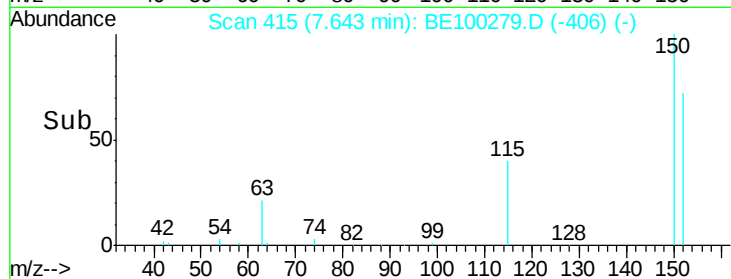
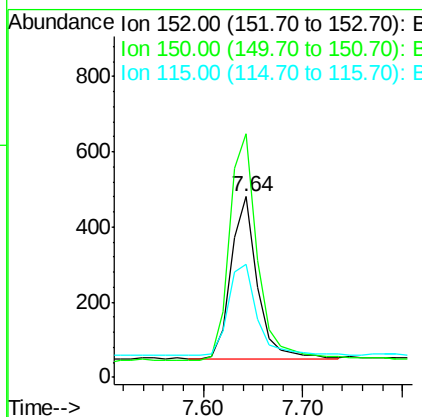
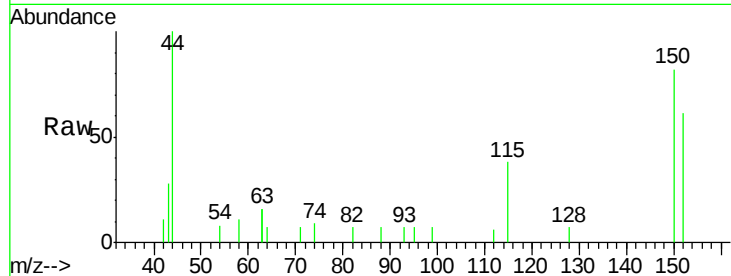
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

Tot Ion	Ratio	Lower	Upper
152	100		
150	134.7	114.5	171.7
115	62.8	57.1	85.7

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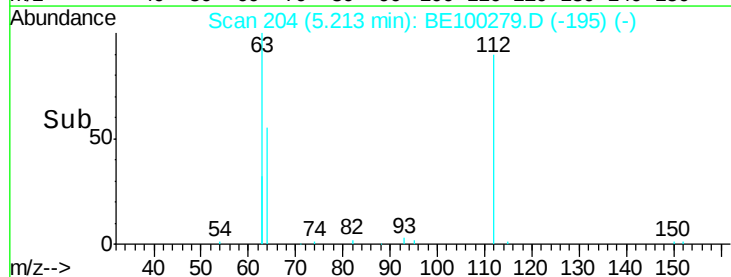
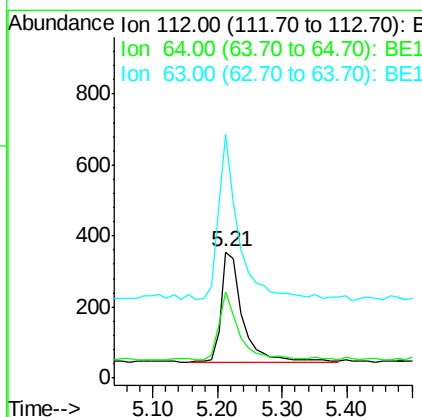
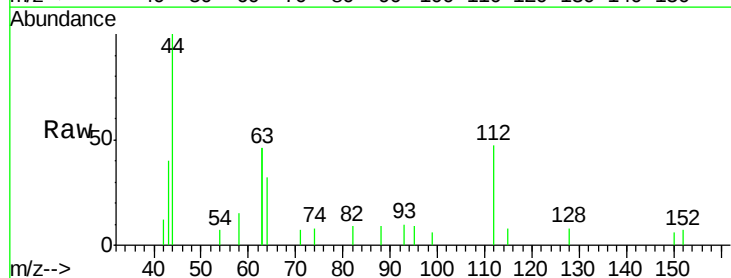
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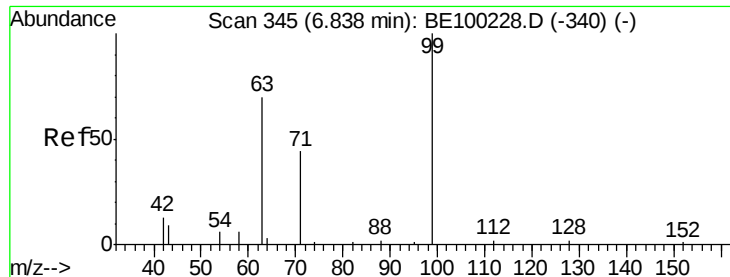


#4

2-Fluorophenol
Concen: 0.357 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	39.4	59.0
63	139.8	104.5	156.7





#5

Phenol-d6

Concen: 0.373 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Instrument :

BNA_E

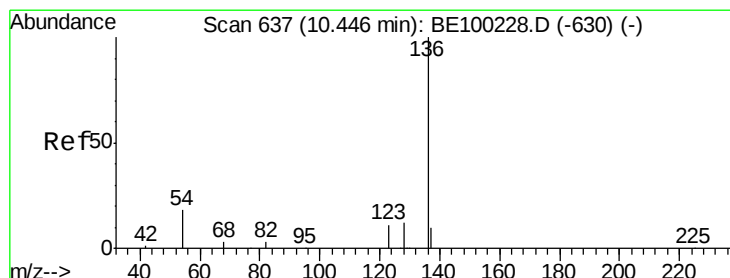
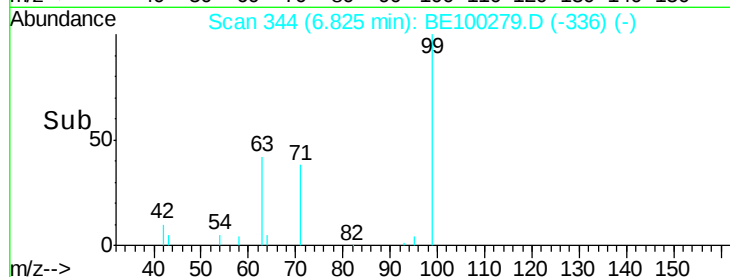
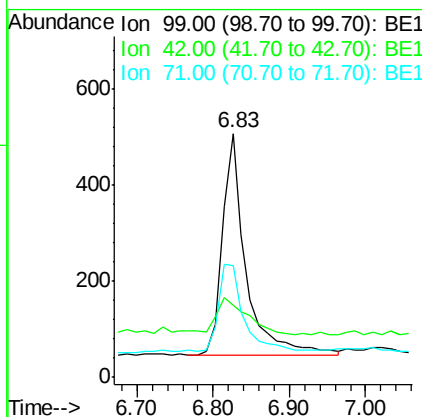
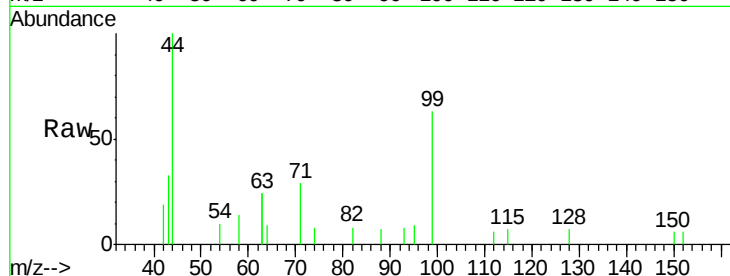
ClientSampleId :

EXT-001-SW078-061719

Tot Ion:	99	Resp:	988
Ion	Ratio	Lower	Upper
99	100		
42	20.5	11.2	16.8#
71	43.5	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

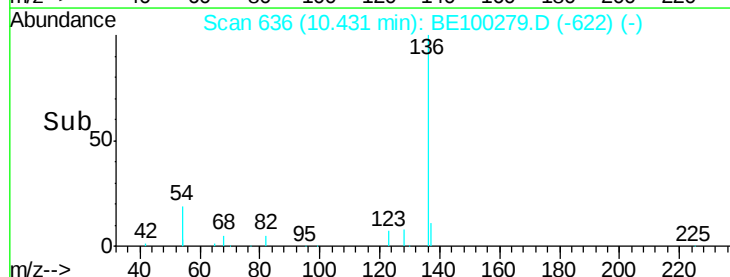
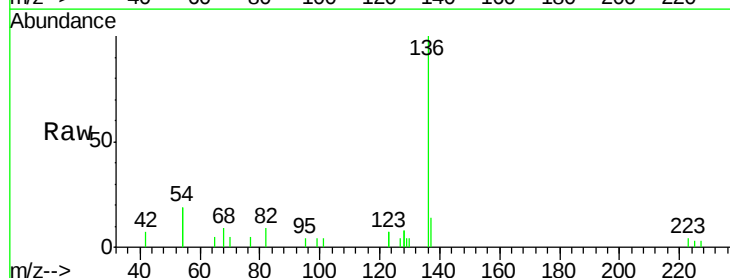
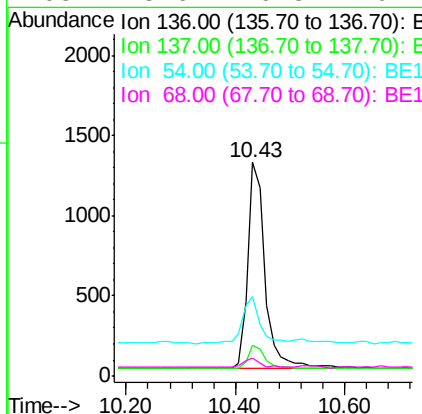
RT: 10.43 min Scan# 636

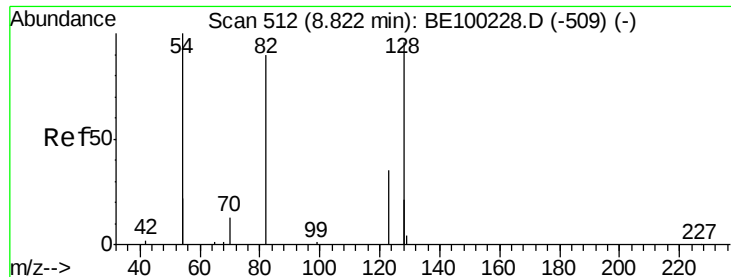
Delta R.T. -0.01 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Tgt Ion:	136	Resp:	2891
Ion	Ratio	Lower	Upper
136	100		
137	14.2	11.8	17.8
54	37.2	27.7	41.5
68	8.6	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.353 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Instrument :

BNA_E

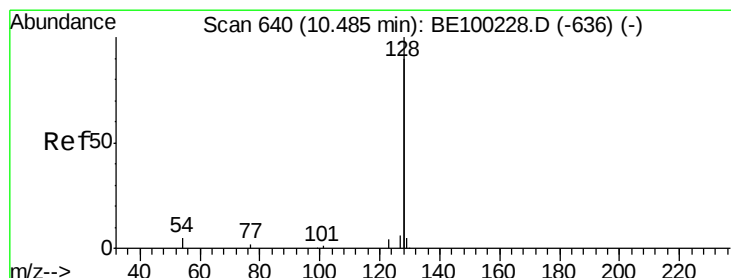
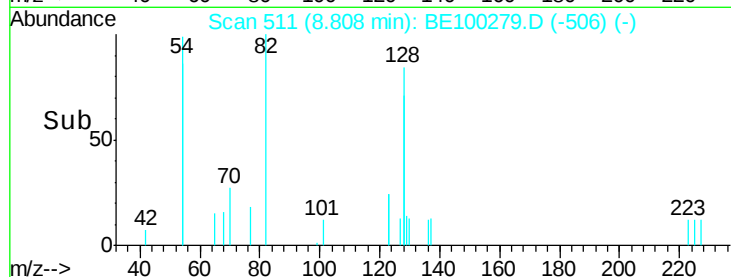
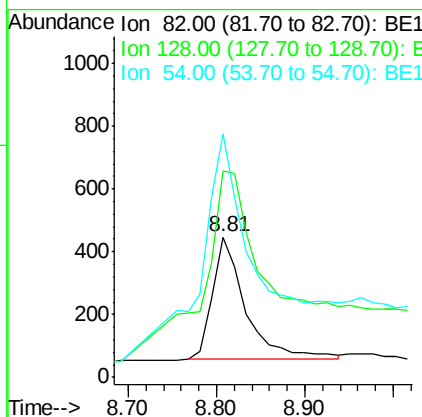
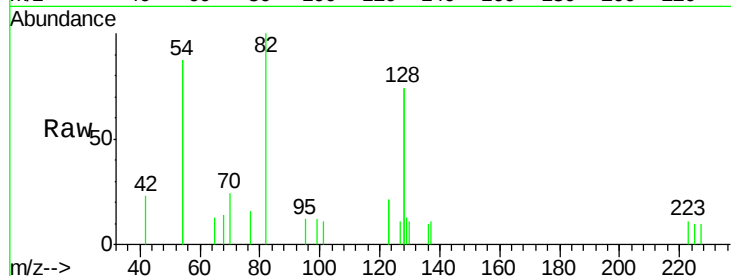
ClientSampleId :

EXT-001-SW078-061719

Tot Ion:	82	Resp:	1015
Ion Ratio	Lower	Upper	
82	100		
128	147.1	140.9	211.3
54	174.0	146.2	219.2

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#9

Naphthalene

Concen: 0.096 ng

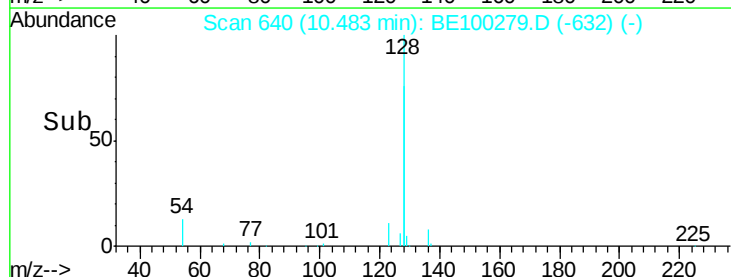
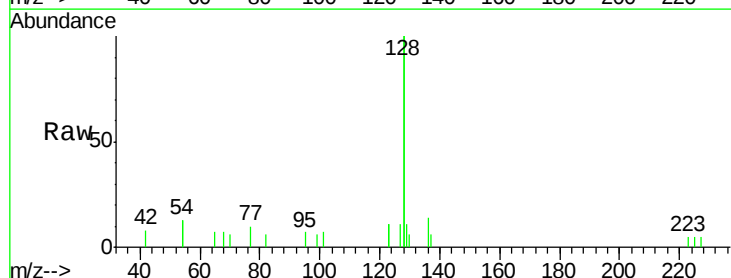
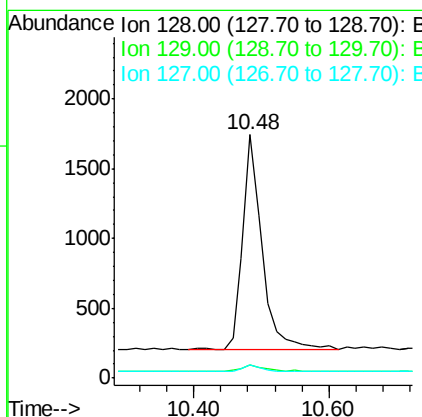
RT: 10.48 min Scan# 640

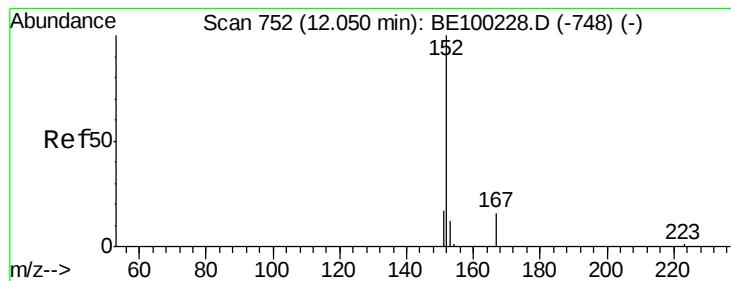
Delta R.T. -0.00 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Tgt Ion:	128	Resp:	3070
Ion Ratio	Lower	Upper	
128	100		
129	5.6	3.0	4.6#
127	5.6	3.5	5.3#





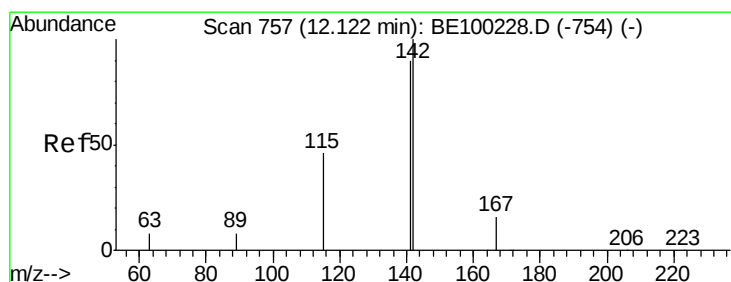
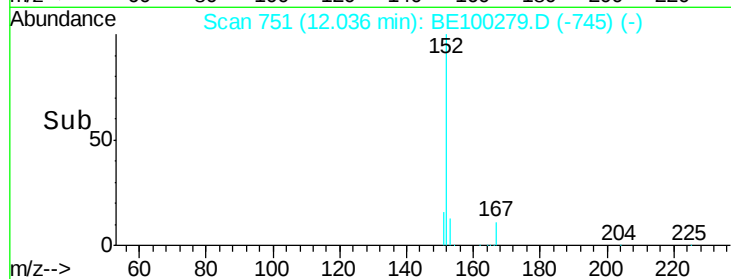
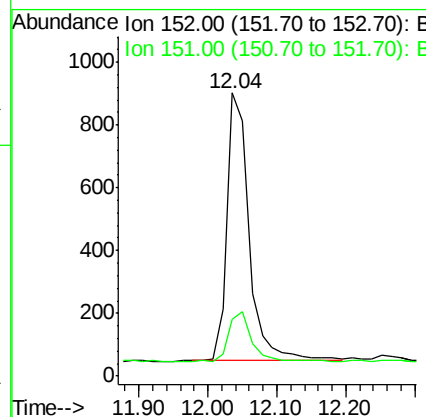
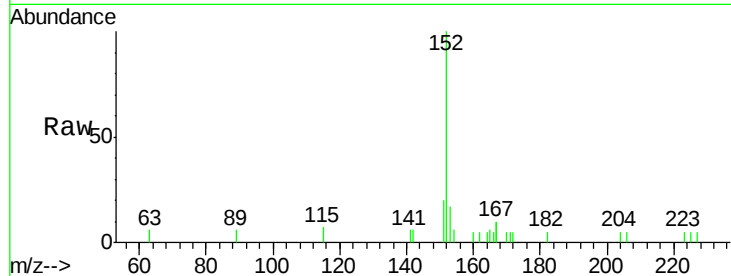
#11
2-Methylnaphthalene-d10
Concen: 0.348 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

Tot Ion:152 Resp: 1894
Ion Ratio Lower Upper
152 100
151 19.4 15.1 22.7

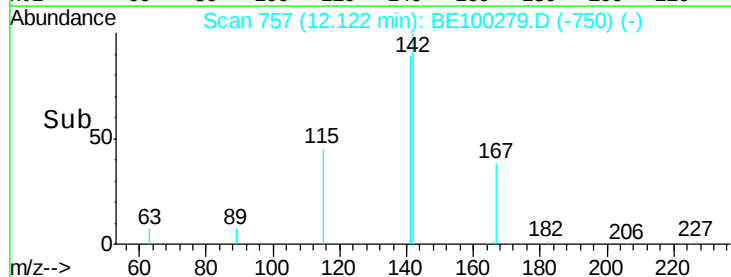
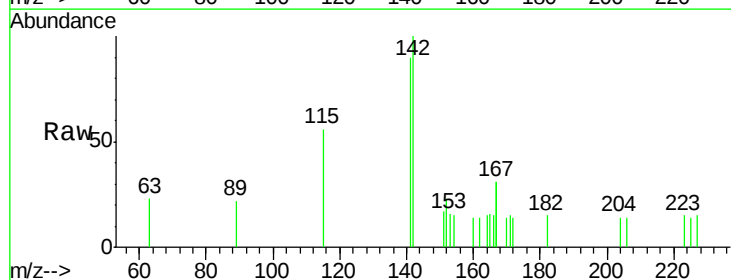
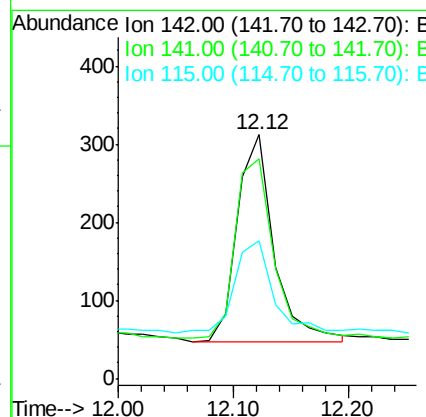
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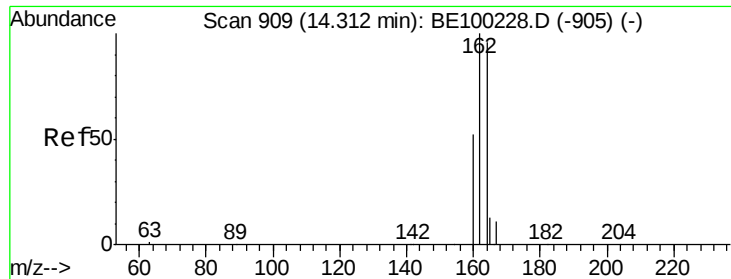
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#12
2-Methylnaphthalene
Concen: 0.105 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion:142 Resp: 587
Ion Ratio Lower Upper
142 100
141 90.4 72.4 108.6
115 56.4 40.4 60.6





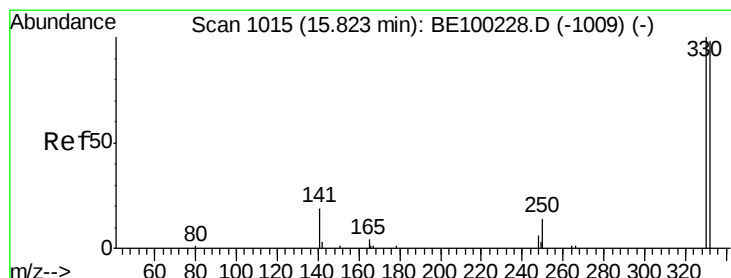
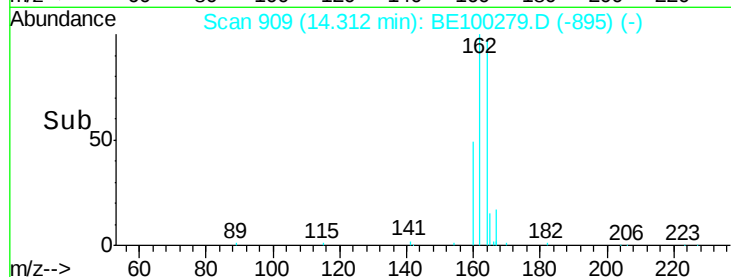
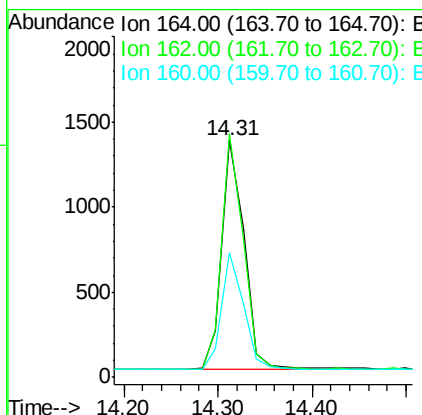
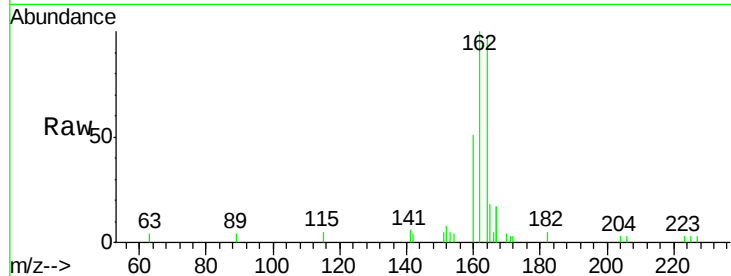
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	83.4	125.0
160	52.4	45.0	67.6

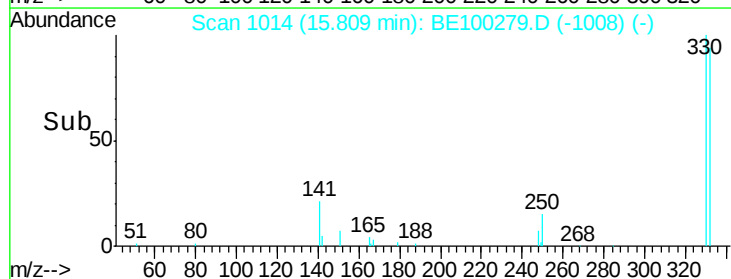
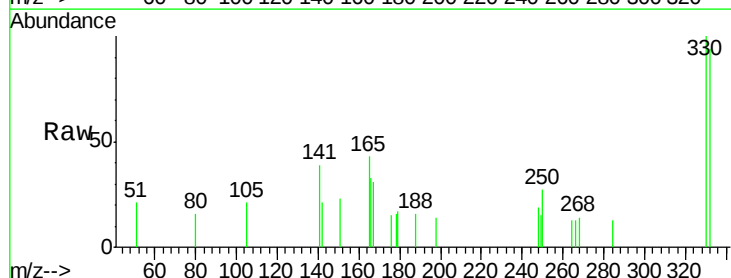
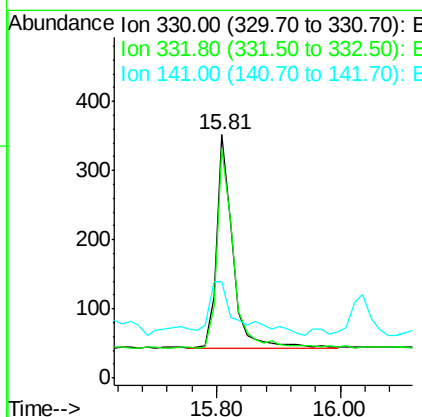
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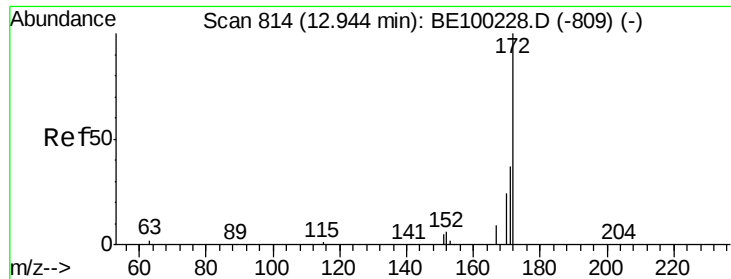
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#14
2,4,6-Tribromophenol
Concen: 0.359 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.0	115.4
141	43.1	22.0	33.0#





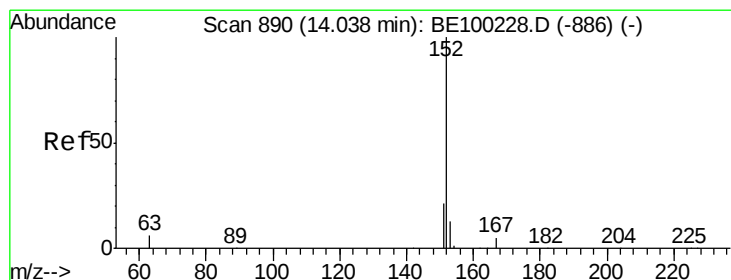
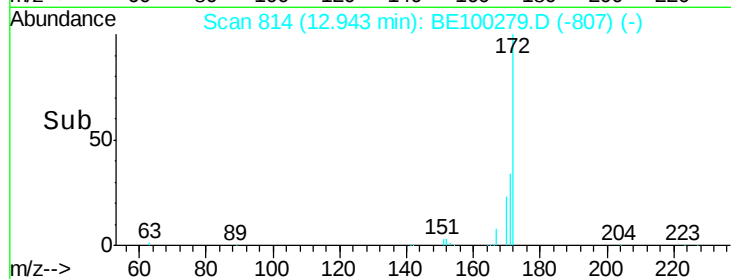
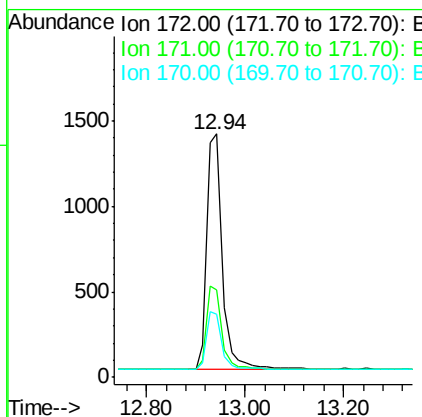
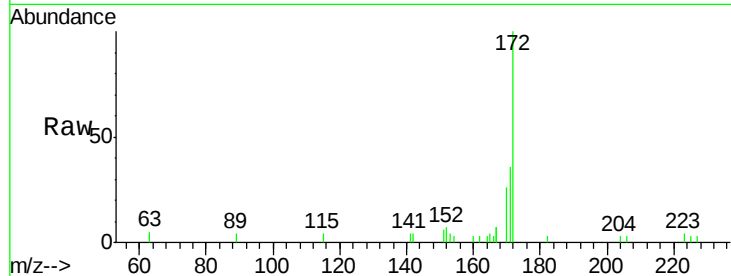
#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	31.9	47.9
170	25.9	22.2	33.2

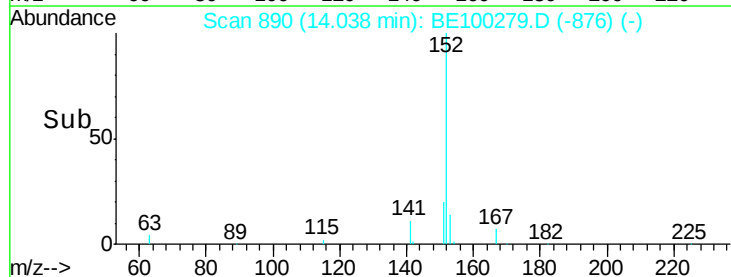
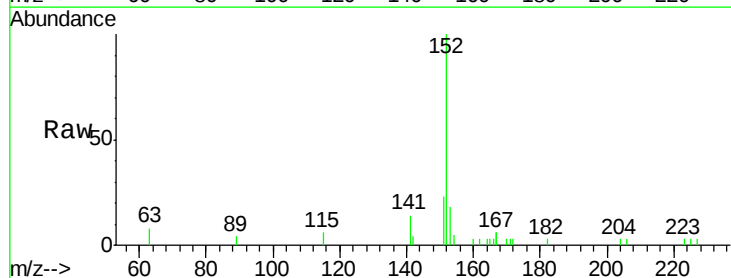
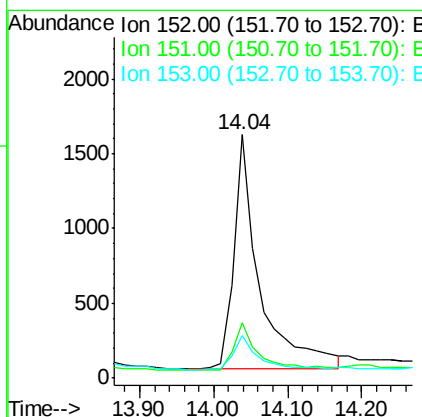
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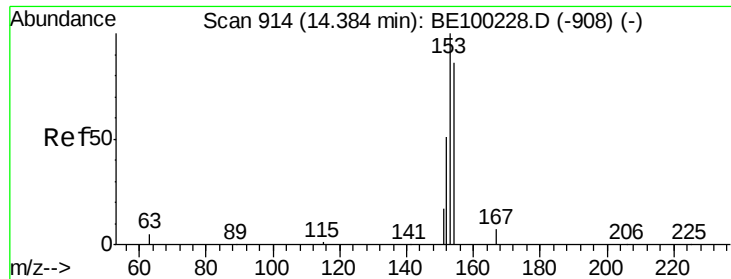
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#16
Acenaphthylene
Concen: 0.358 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.6	25.0
153	14.4	10.5	15.7





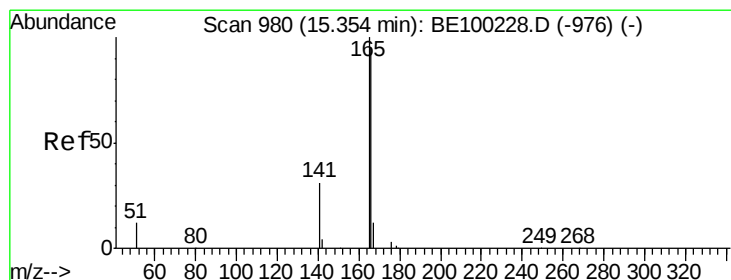
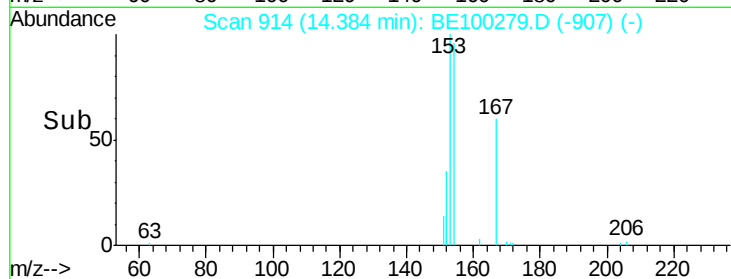
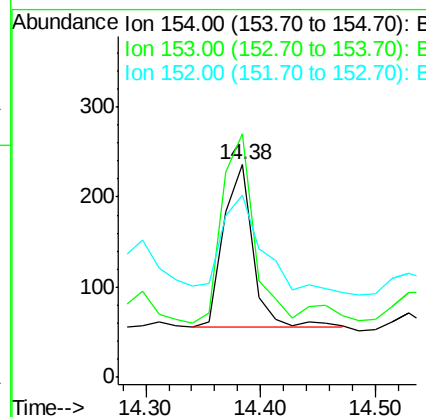
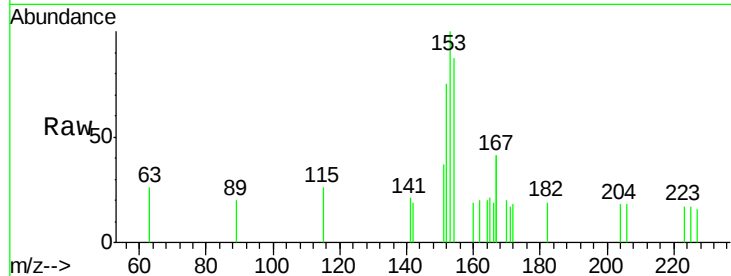
#17
Acenaphthene
Concen: 0.053 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

Tot Ion	Ratio	Lower	Upper
154	100		
153	128.5	93.4	140.2
152	82.9	49.4	74.2

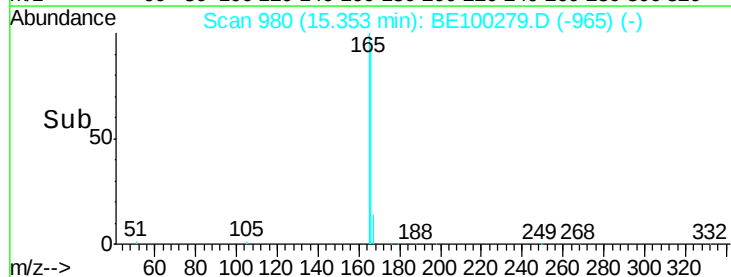
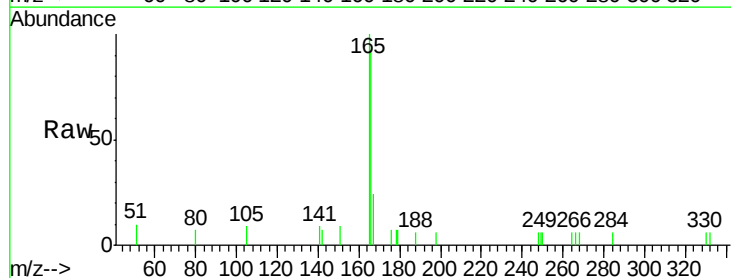
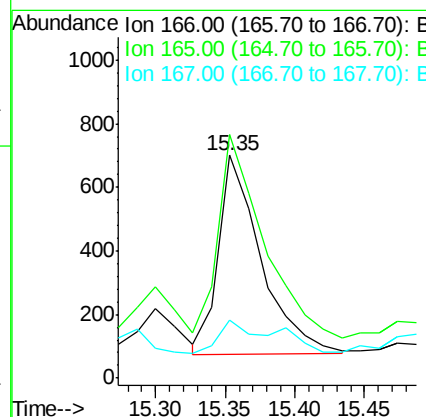
Manual Integrations
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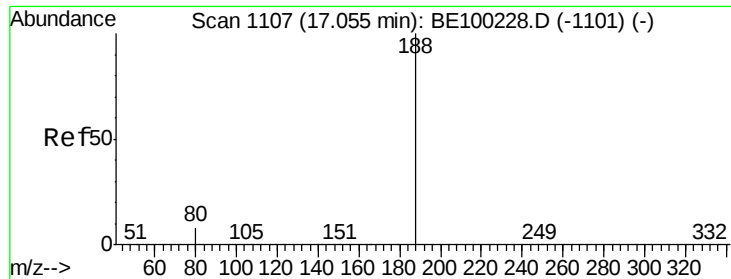
mohammad
7/3/2019 9:48:18 AM



#18
Fluorene
Concen: 0.148 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.3	81.1	121.7
167	23.3	10.7	16.1





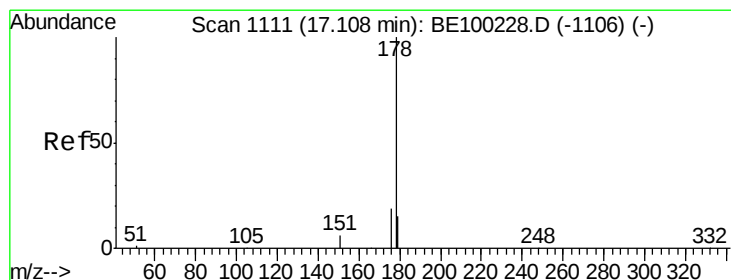
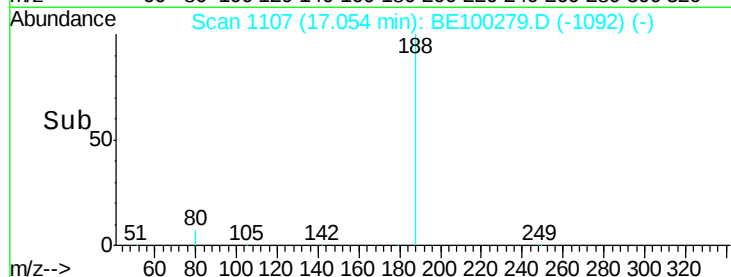
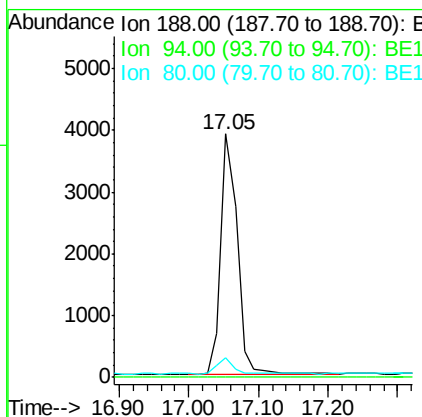
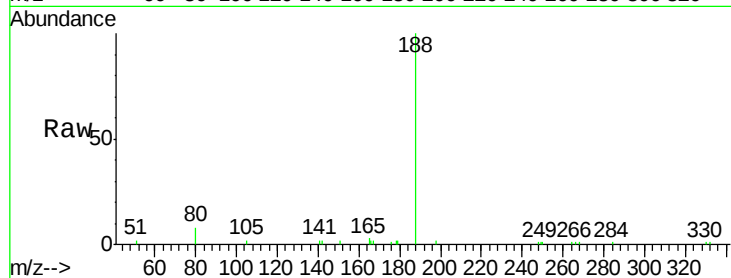
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

Tot Ion:188	Resp:	6401
Ion Ratio	Lower	Upper
188 100		
94 0.0	0.0	0.0
80 8.1	7.6	11.4

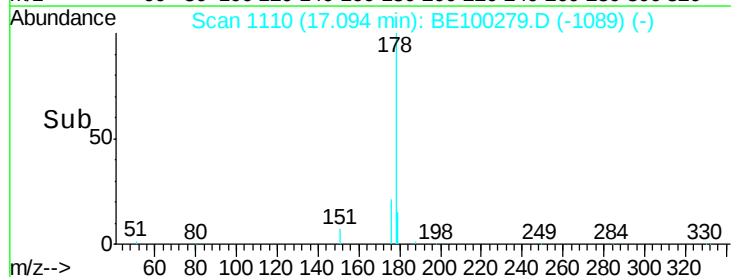
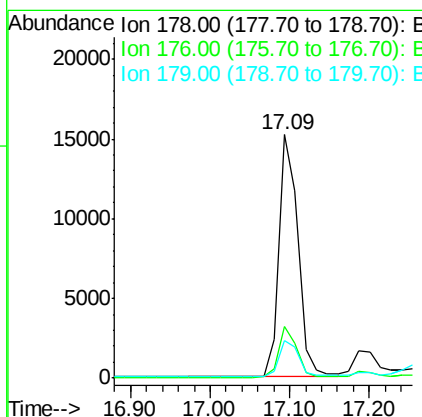
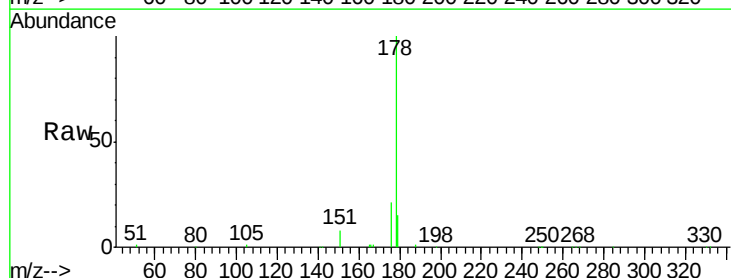
Manual Integrations
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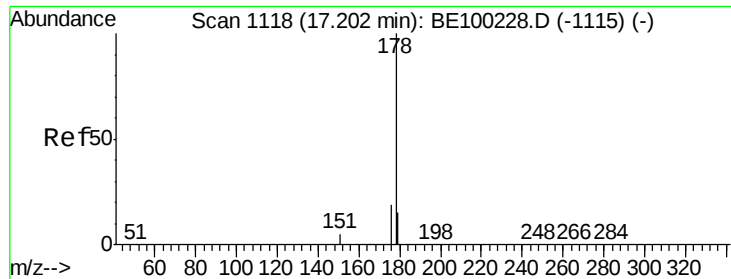
mohammad
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#23
Phenanthrene
Concen: 1.647 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion:178	Resp:	25545
Ion Ratio	Lower	Upper
178 100		
176 19.8	15.9	23.9
179 15.6	12.2	18.2





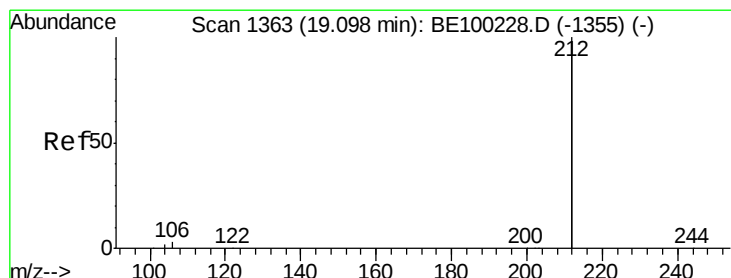
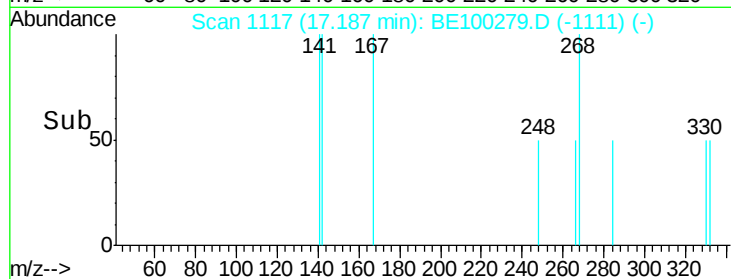
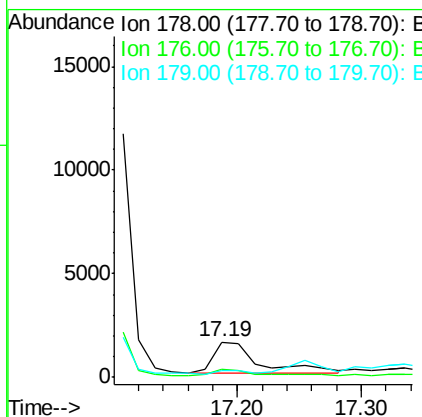
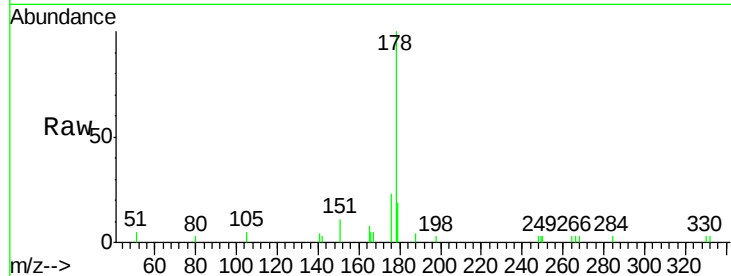
#24
 Anthracene
 Concen: 0.264 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100279.D
 Acq: 2 Jul 2019 00:32

Instrument :
 BNA_E
 ClientSampleId :
 EXT-001-SW078-061719

Tot Ion	Ratio	Lower	Upper
178	100		
176	14.5	15.3	22.9#
179	6.2	12.2	18.2#

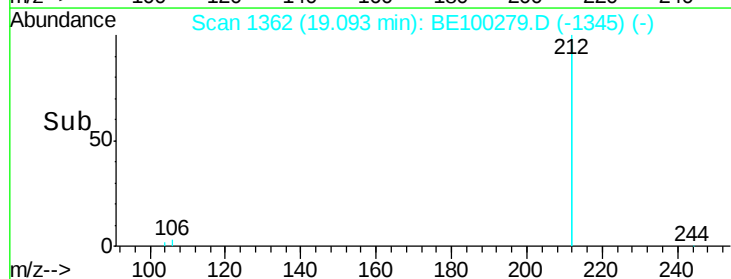
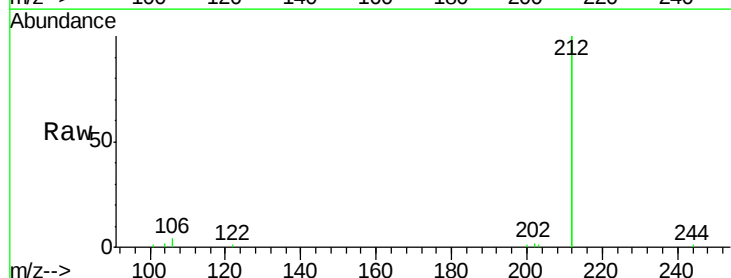
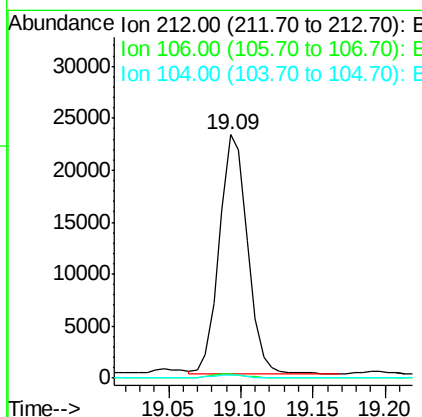
Manual Integrations
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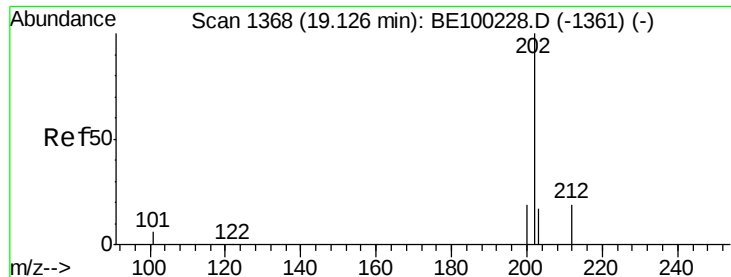
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.334 ng
 RT: 19.09 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: BE100279.D
 Acq: 2 Jul 2019 00:32

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	0.9	0.8	1.2





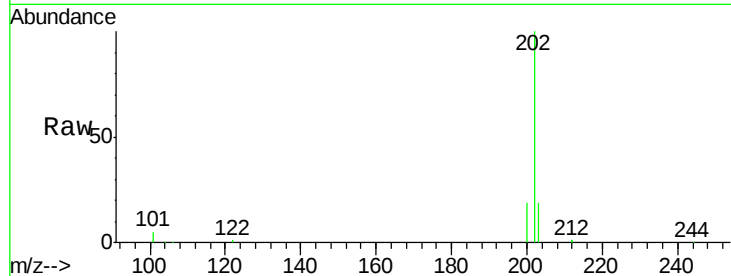
#26
Fluoranthene
Concen: 2.469 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.7	4.6	7.0
203	17.9	13.7	20.5

Manual Integrations
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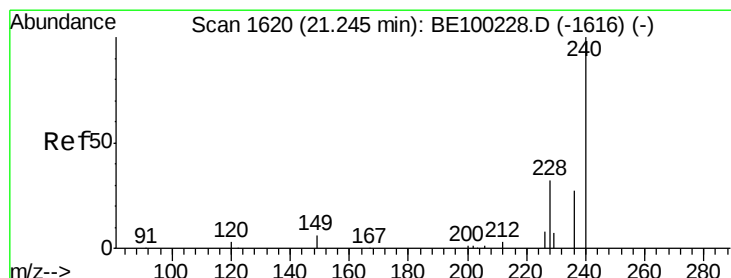
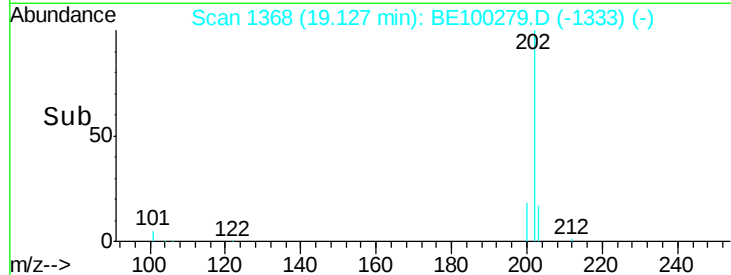
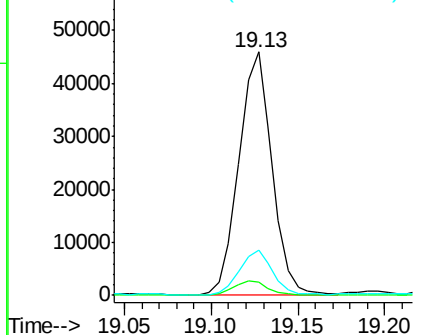


Abundance

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: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

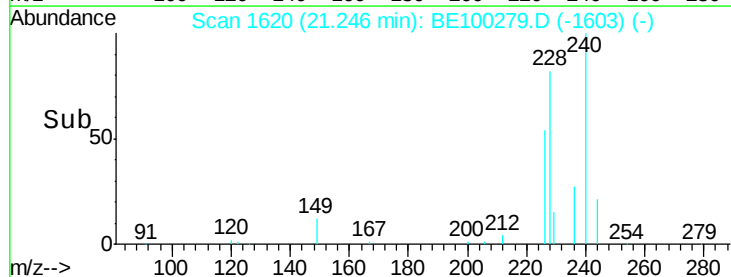
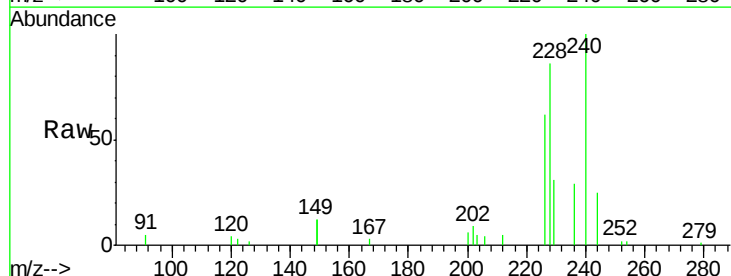
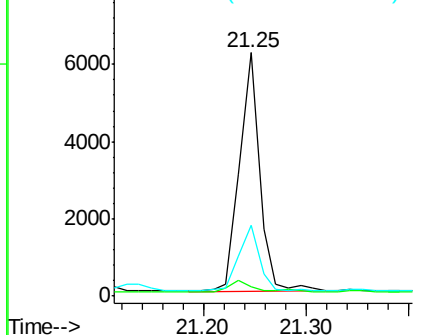
Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.0	3.3	4.9
236	29.1	22.6	34.0

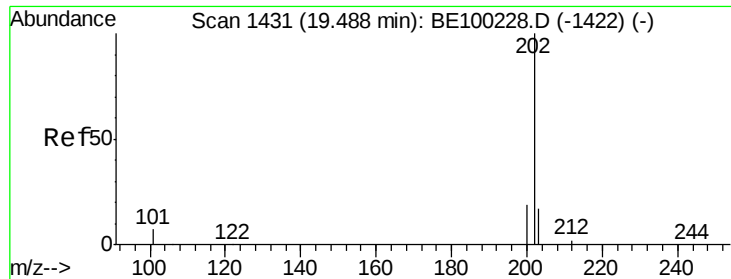
Abundance

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





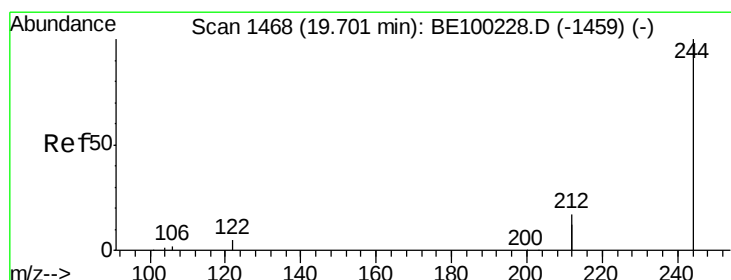
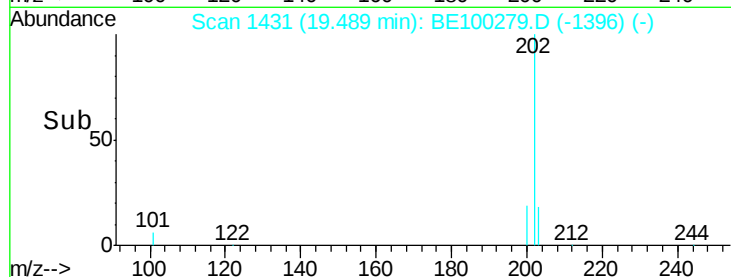
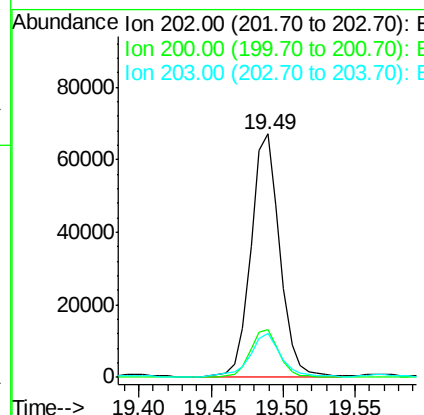
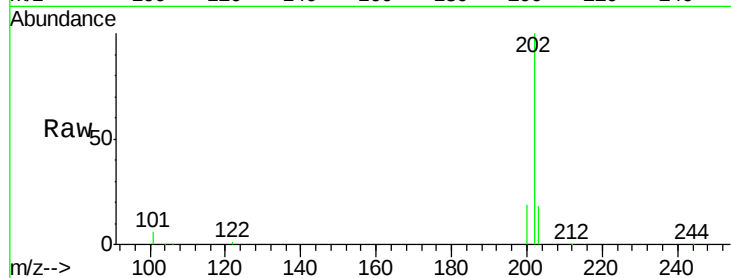
#28
Pvrene
Concen: 4.150 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.6	23.4
203	19.5	14.0	21.0

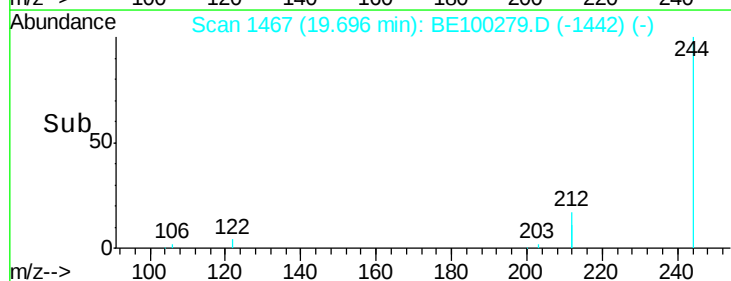
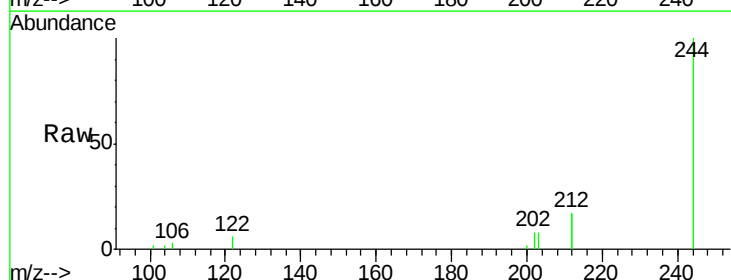
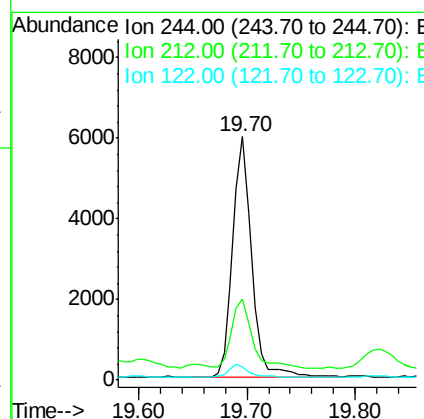
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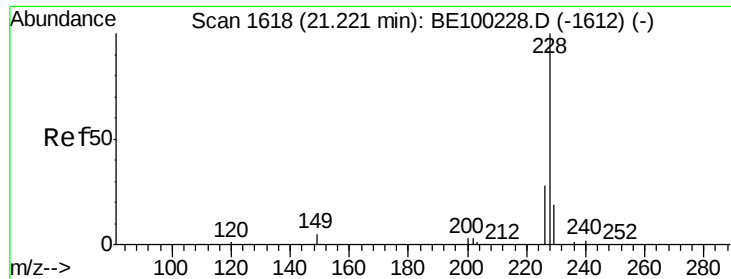
mohammad
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#29
Terphenyl-d14
Concen: 0.415 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	33.5	27.3	40.9
122	5.6	4.7	7.1





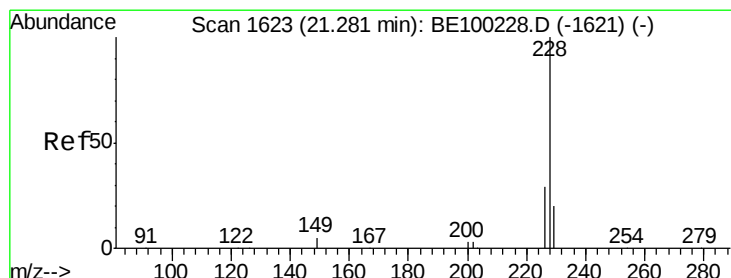
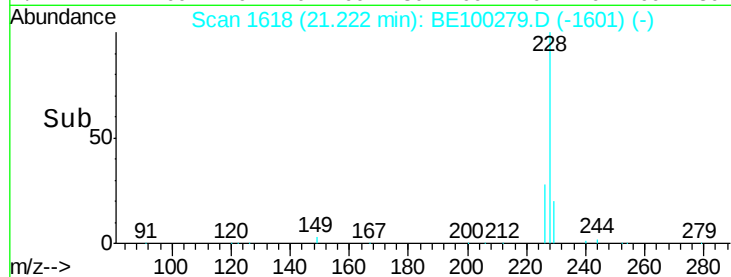
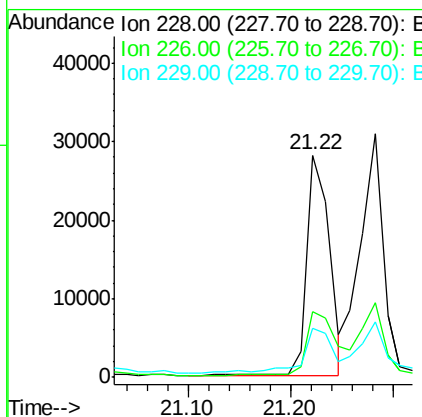
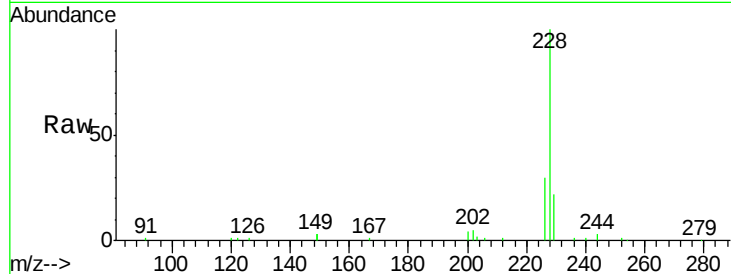
#30
Benzo(a)anthracene
Concen: 1.547 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.2	34.8
229	22.3	15.7	23.5

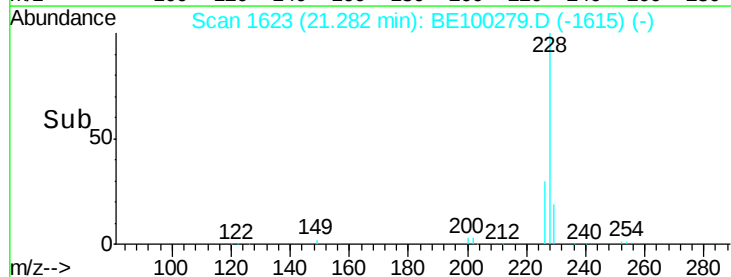
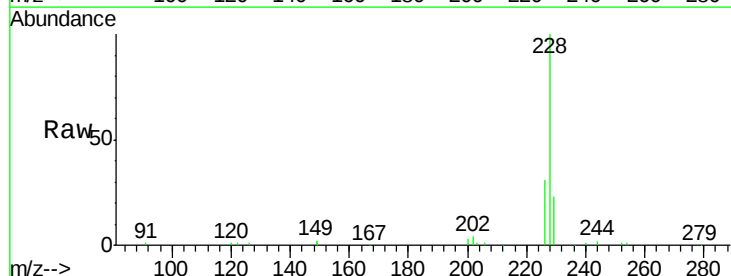
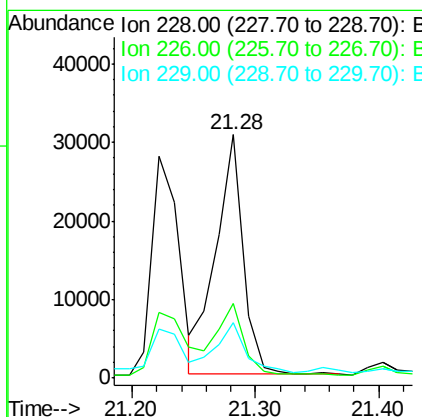
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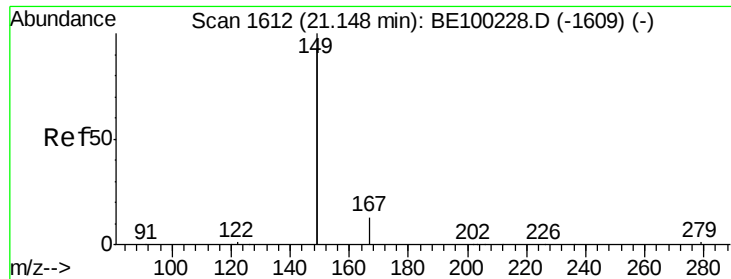
mohammad
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#31
Chrysene
Concen: 1.695 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	22.5	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.362 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Instrument :

BNA_E

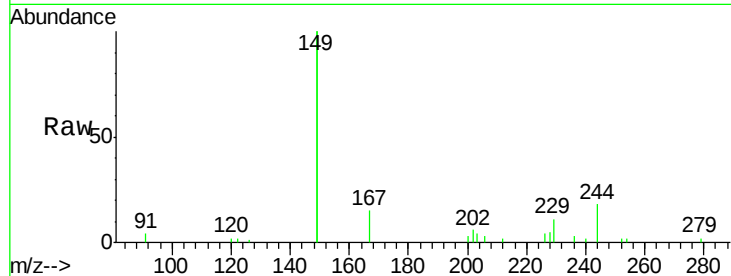
ClientSampleId :

EXT-001-SW078-061719

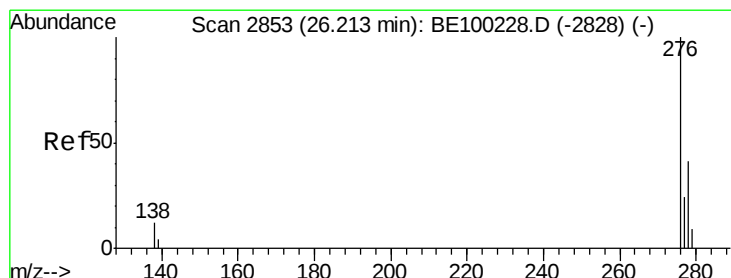
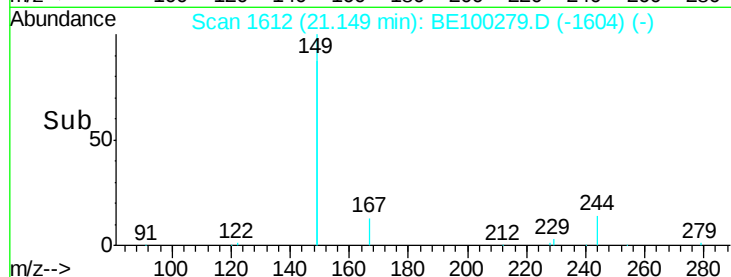
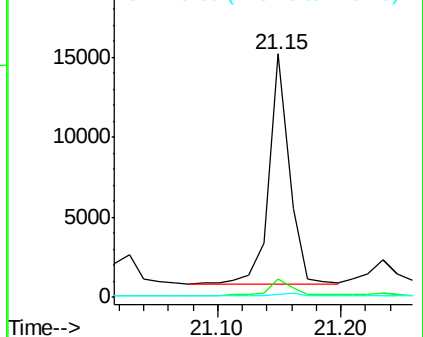
Tot Ion:	149	Resp:	16464
Ion Ratio	Lower	Upper	
149	100		
167	7.6	5.8	8.8
279	1.6	1.1	1.7

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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: 0.809 ng

RT: 26.22 min Scan# 2855

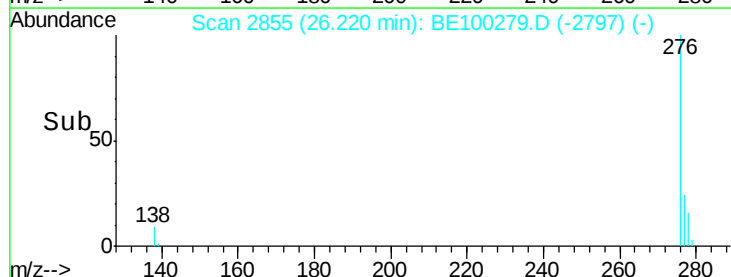
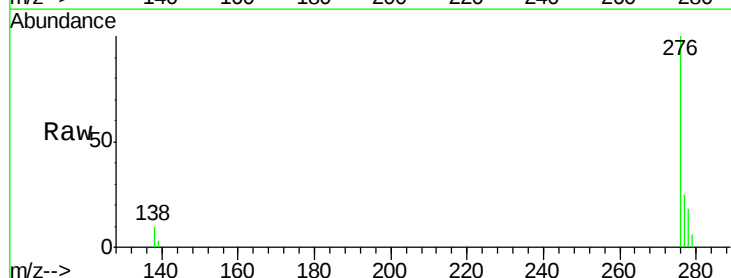
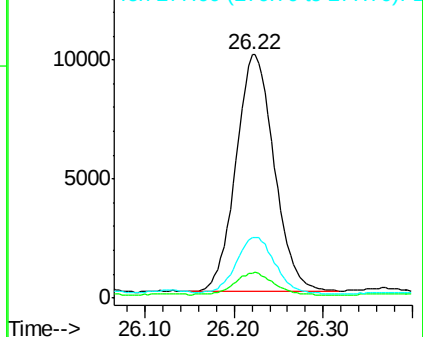
Delta R.T. 0.01 min

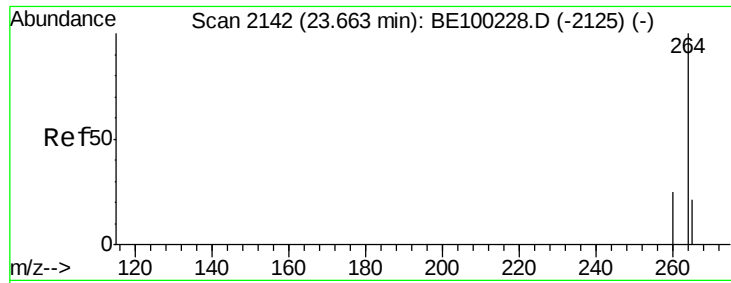
Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Tgt Ion:	276	Resp:	29829
Ion Ratio	Lower	Upper	
276	100		
138	9.4	9.4	14.0
277	24.1	19.2	28.8

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





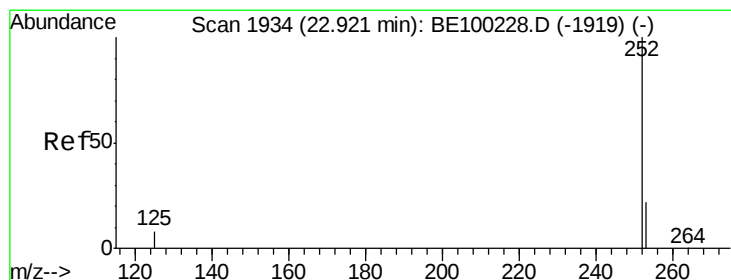
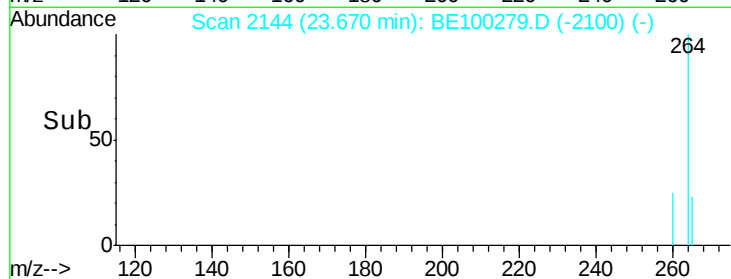
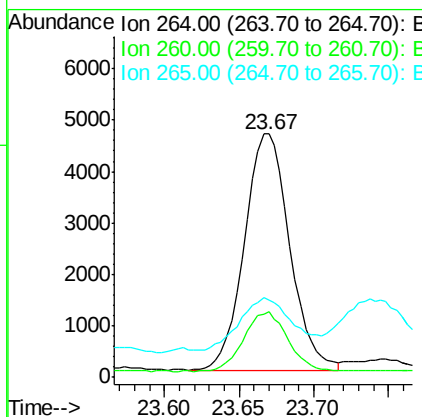
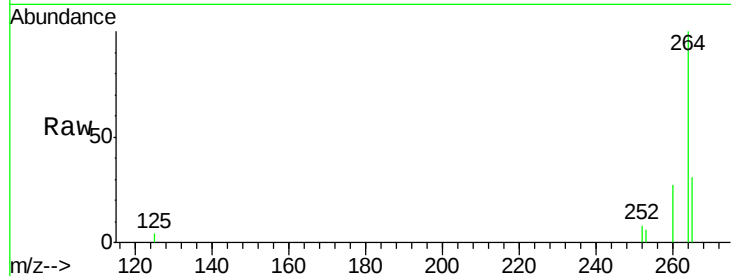
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2144
Delta R.T. 0.01 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.9	20.8	31.2
265	31.5	21.8	32.6

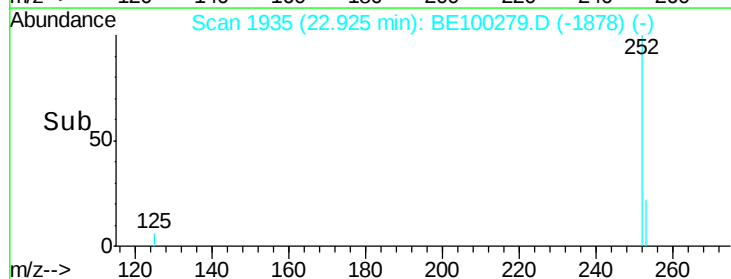
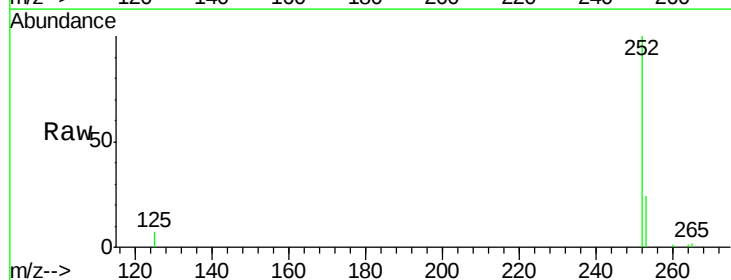
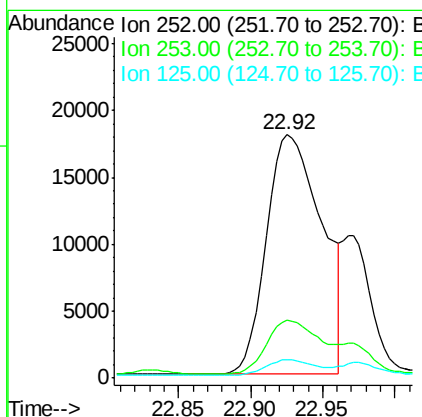
Manual Integrations
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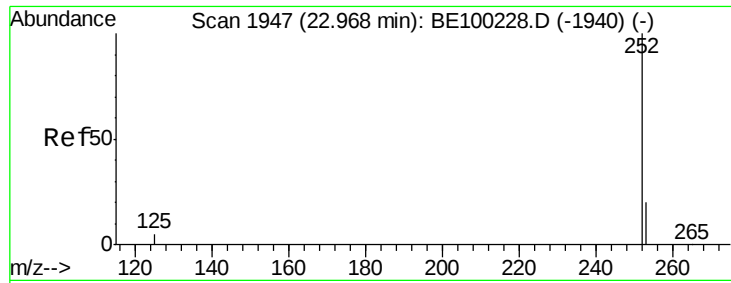
mohammad
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#35
Benzo(b)fluoranthene
Concen: 1.825 ng
RT: 22.92 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.2	28.8
125	7.4	7.4	11.0





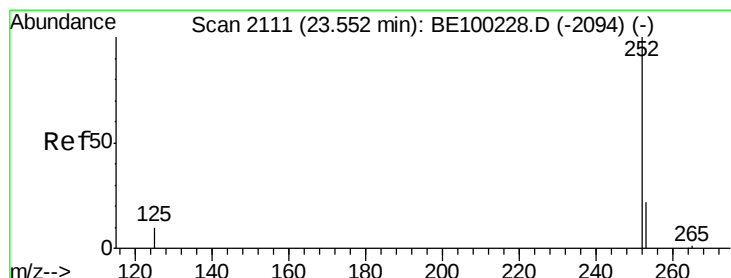
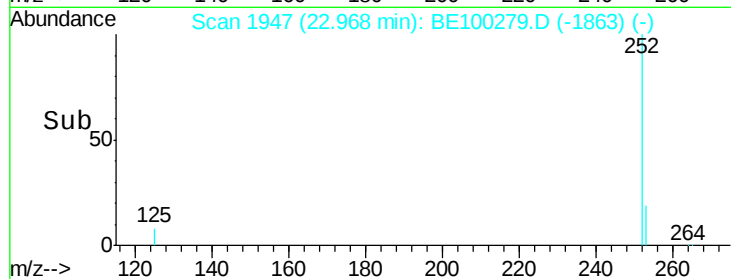
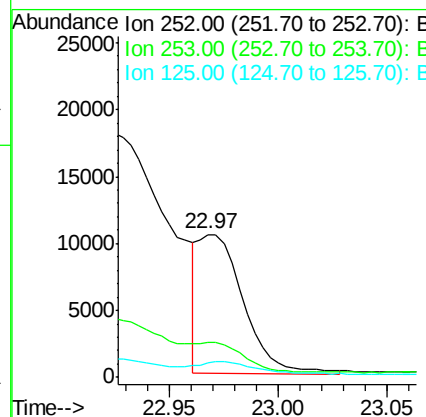
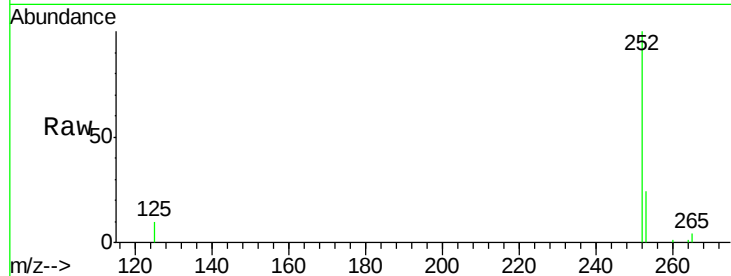
#36
Benzo(k)fluoranthene
Concen: 0.511 ng m
RT: 22.97 min Scan# 1947
Delta R.T. -0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	10.0	5.0	7.4#

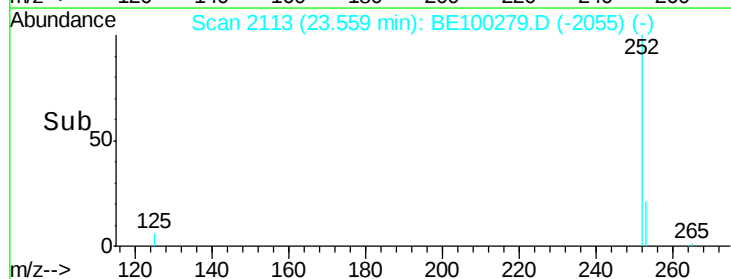
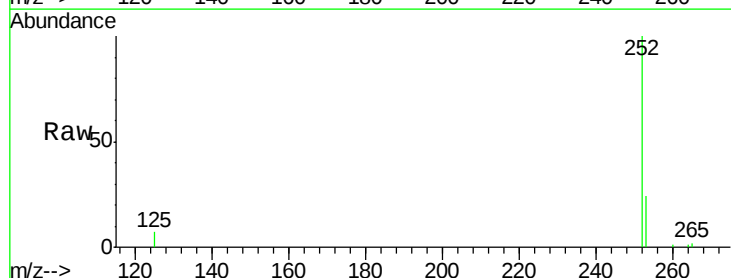
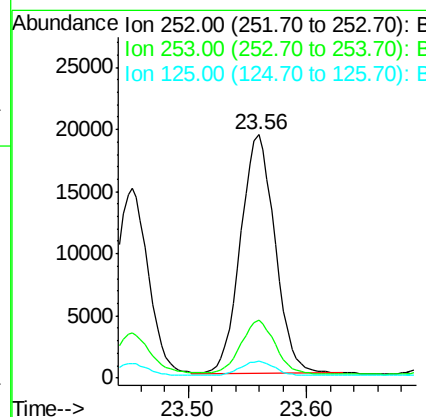
Manual Integrations
APPROVED

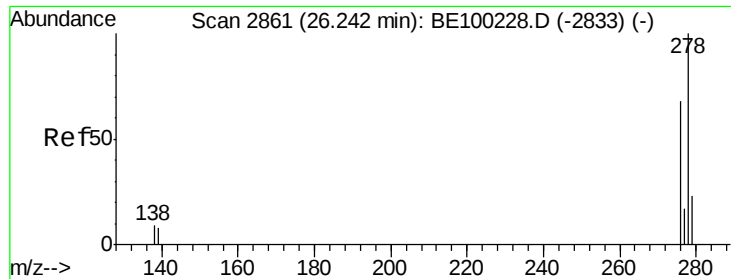
mohammad
7/3/2019 9:48:18 AM



#37
Benzo(a)pyrene
Concen: 1.476 ng m
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.6	29.4
125	6.8	9.0	13.6#





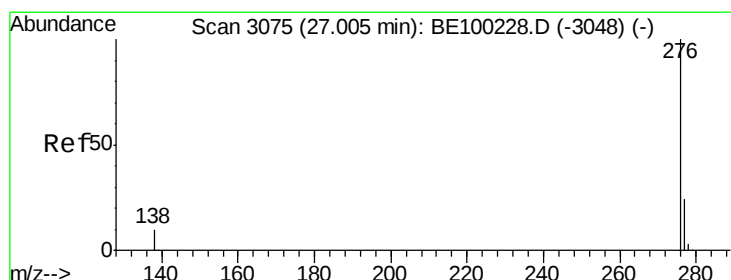
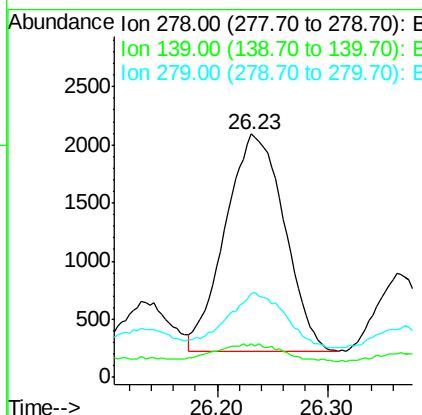
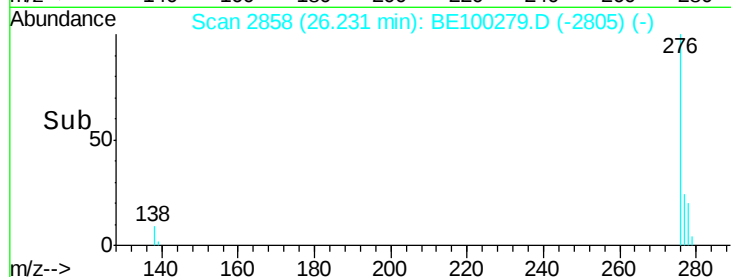
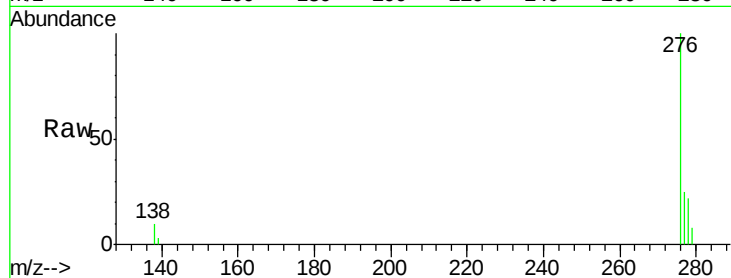
#38
Dibenzo(a,h)anthracene
Concen: 0.255 ng
RT: 26.23 min Scan# 2858
Delta R.T. -0.01 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.7	8.2	12.2#
279	34.2	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/3/2019 9:48:18 AM



#39
Benzo(g,h,i)perylene
Concen: 1.263 ng
RT: 27.02 min Scan# 3079
Delta R.T. 0.01 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	20.2	30.2
138	10.6	9.0	13.6

