

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100281.D
 Acq On : 2 Jul 2019 1:44
 Operator : JU/SJ
 Sample : K3446-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-007-SW126-061819

Manual Integrations
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 7/3/2019 10:52:43 PM

Quant Time: Jul 02 04:10:00 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	943	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3225	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2429	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6718	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8870	0.40	ng	0.00
34) Perylene-d12	23.67	264	10041	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	473	0.20	ng	0.01
5) Phenol-d6	6.83	99	677	0.21	ng	-0.01
8) Nitrobenzene-d5	8.81	82	713	0.22	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	2145	0.35	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	373	0.22	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	1875	0.20	ng	0.00
25) Fluoranthene-d10	19.10	212	31657	0.32	ng	0.00
29) Terphenyl-d14	19.70	244	4026	0.22	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.48	128	4183	0.118	ng	# 98
12) 2-Methylnaphthalene	12.12	142	622	0.100	ng	96
16) Acenaphthylene	14.04	152	3493	0.300	ng	99
17) Acenaphthene	14.38	154	426	0.064	ng	97
18) Fluorene	15.35	166	878	0.090	ng	# 82
23) Phenanthrene	17.09	178	27914	1.714	ng	100
24) Anthracene	17.19	178	4639	0.316	ng	98
26) Fluoranthene	19.13	202	90299	3.482	ng	99
28) Pyrene	19.49	202	92716	3.948	ng	96
30) Benzo(a)anthracene	21.23	228	62196	2.133	ng	94
31) Chrysene	21.28	228	66440	2.269	ng	96
32) Bis(2-ethylhexyl)phthalate	21.15	149	72939	1.712	ng	100
33) Indeno(1,2,3-cd)pyrene	26.23	276	43011	1.110	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	83048	3.051	ng	# 97
36) Benzo(k)fluoranthene	22.97	252	27177m	0.894	ng	
37) Benzo(a)pyrene	23.56	252	58529	2.145	ng	# 95
38) Dibenzo(a,h)anthracene	26.24	278	11091	0.389	ng	# 85
39) Benzo(a,h,i)perylene	27.02	276	43112	1.473	ng	99

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

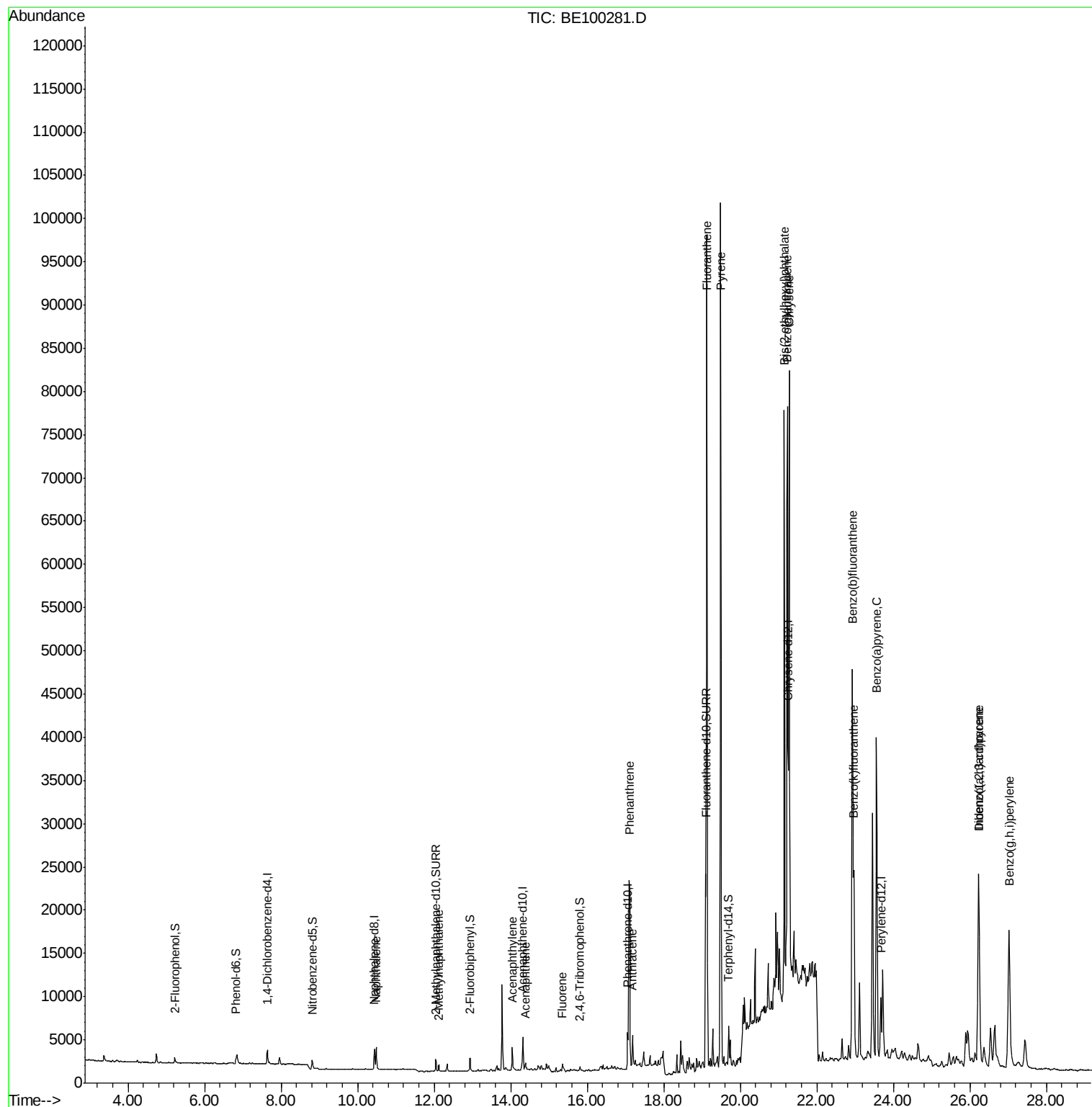
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100281.D
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ALS Vial : 22 Sample Multiplier: 1

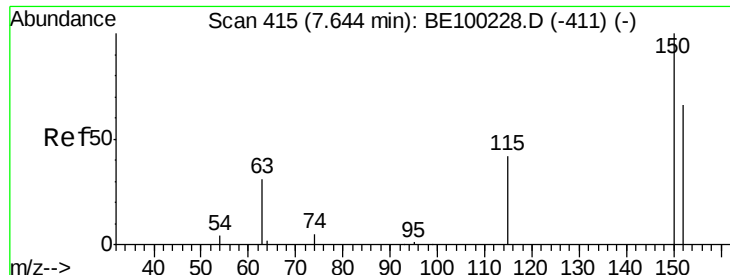
Instrument :
BNA_E
ClientSampleId :
EXT-007-SW126-061819

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Quant Time: Jul 02 04:10:00 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





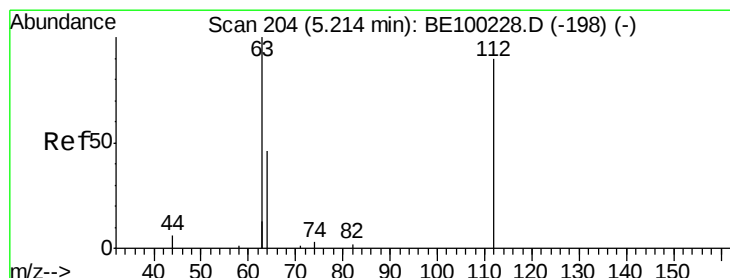
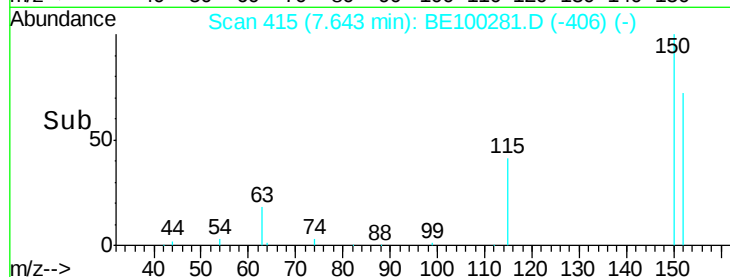
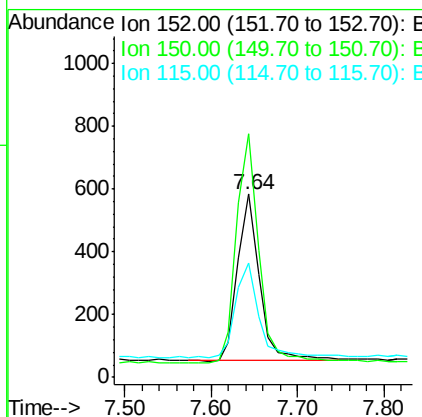
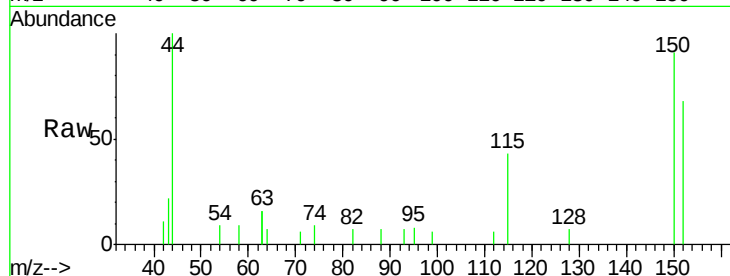
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.64 min Scan# 415
 Delta R.T. -0.00 min
 Lab File: BE100281.D
 Acq: 2 Jul 2019 1:44

Instrument :
 BNA_E
 ClientSampleId :
 EXT-007-SW126-061819

Tot Ion	Ratio	Lower	Upper
152	100		
150	132.9	114.5	171.7
115	62.5	57.1	85.7

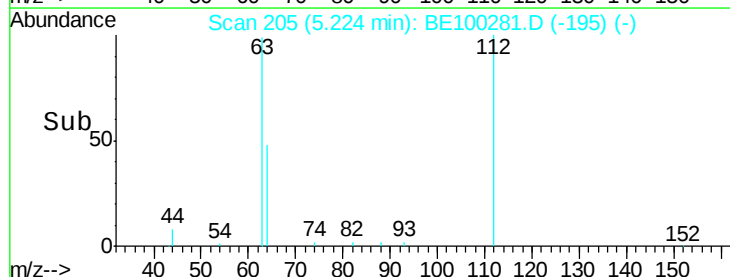
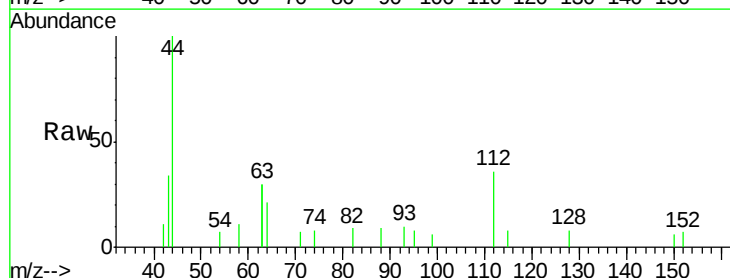
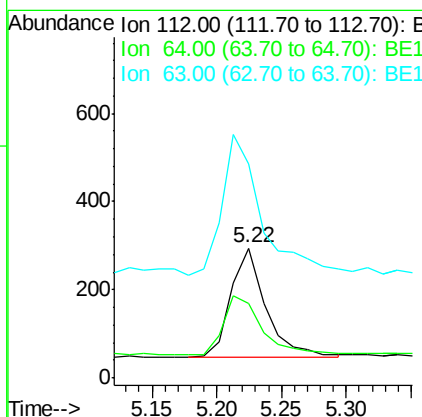
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#4
 2-Fluorophenol
 Concen: 0.197 ng
 RT: 5.22 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: BE100281.D
 Acq: 2 Jul 2019 1:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	39.4	59.0#
63	149.3	104.5	156.7





#5

Phenol-d6

Concen: 0.214 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100281.D

Acq: 2 Jul 2019 1:44

Instrument :

BNA_E

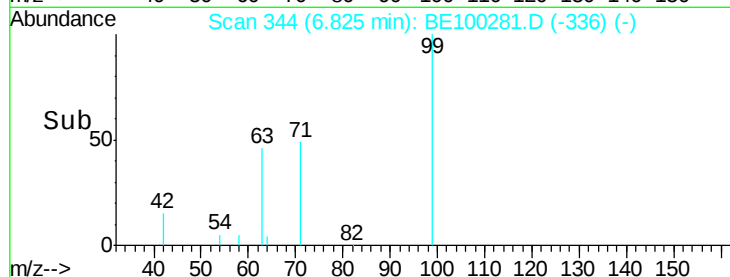
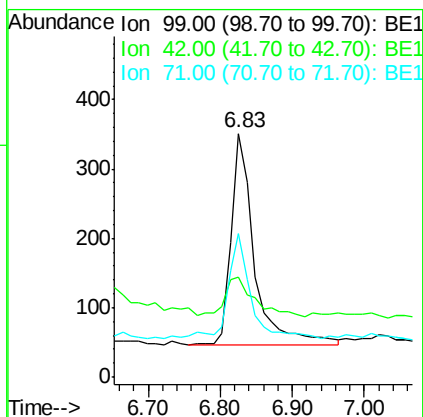
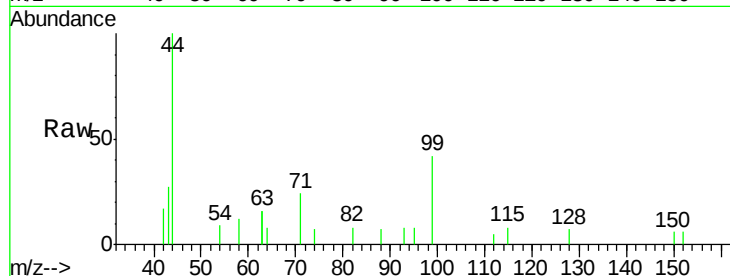
ClientSampleId :

EXT-007-SW126-061819

Tot Ion:	99	Resp:	677
Ion	Ratio	Lower	Upper
99	100		
42	24.7	11.2	16.8#
71	46.4	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

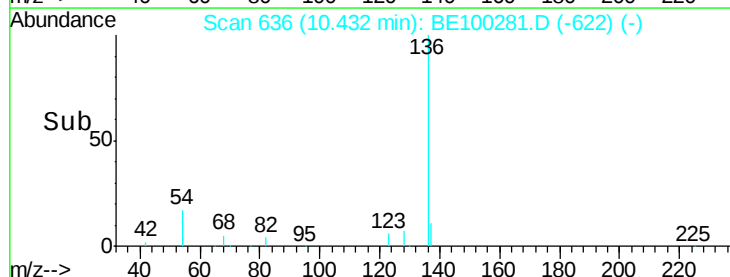
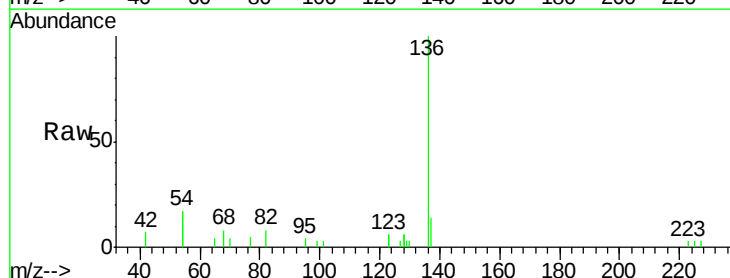
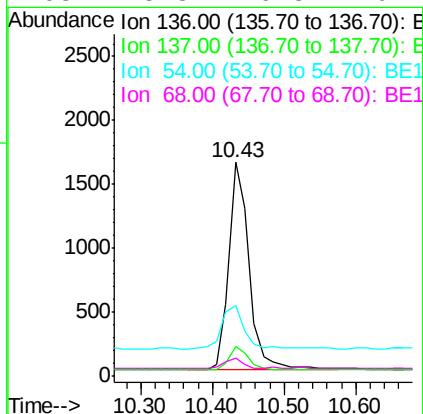
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100281.D

Acq: 2 Jul 2019 1:44

Tgt Ion:	136	Resp:	3225
Ion	Ratio	Lower	Upper
136	100		
137	13.8	11.8	17.8
54	33.1	27.7	41.5
68	8.3	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.223 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100281.D

Acq: 2 Jul 2019 1:44

Instrument :

BNA_E

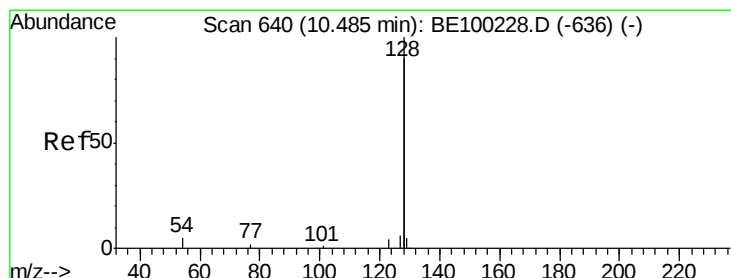
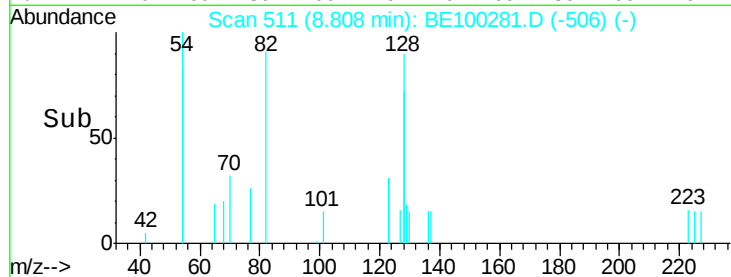
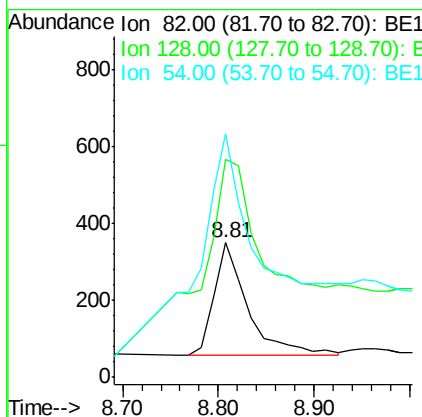
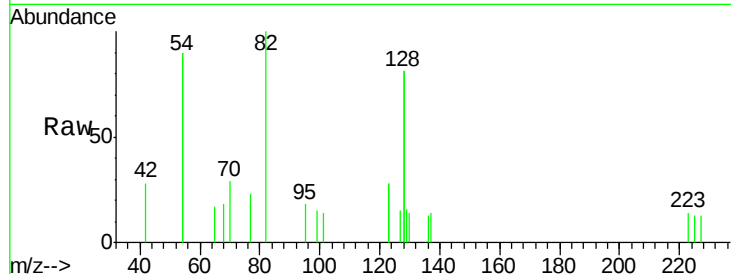
ClientSampleId :

EXT-007-SW126-061819

Tot Ion:	82	Resp:	713
Ion	Ratio	Lower	Upper
82	100		
128	161.8	140.9	211.3
54	180.6	146.2	219.2

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#9

Naphthalene

Concen: 0.118 ng

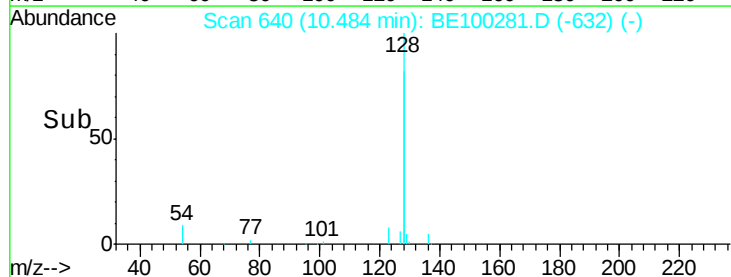
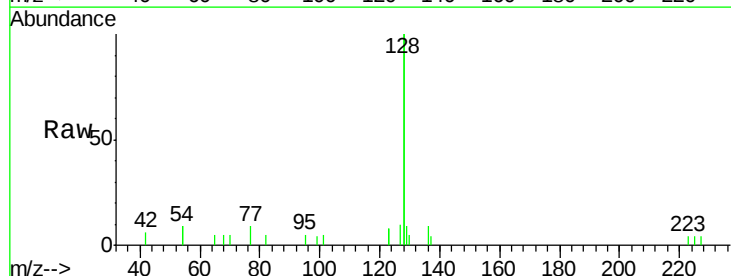
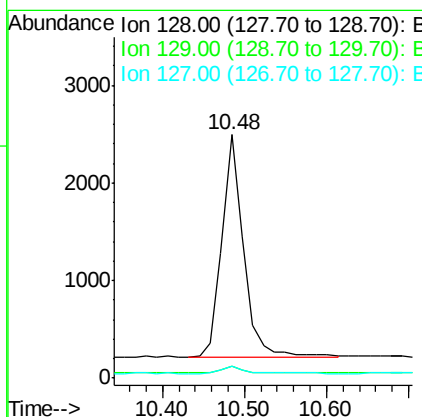
RT: 10.48 min Scan# 640

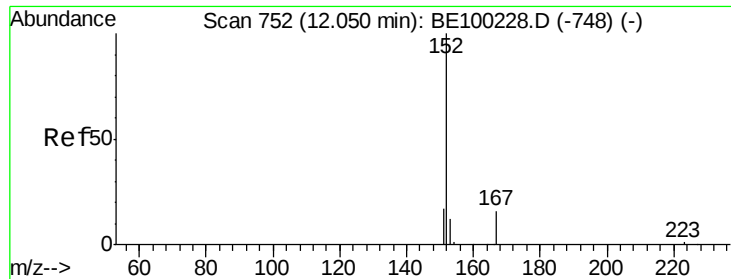
Delta R.T. -0.00 min

Lab File: BE100281.D

Acq: 2 Jul 2019 1:44

Tgt Ion:	128	Resp:	4183
Ion	Ratio	Lower	Upper
128	100		
129	4.7	3.0	4.6#
127	4.9	3.5	5.3





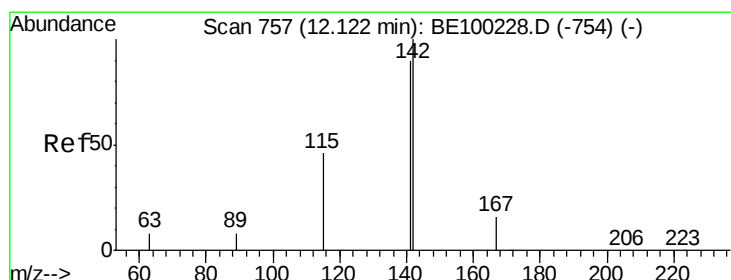
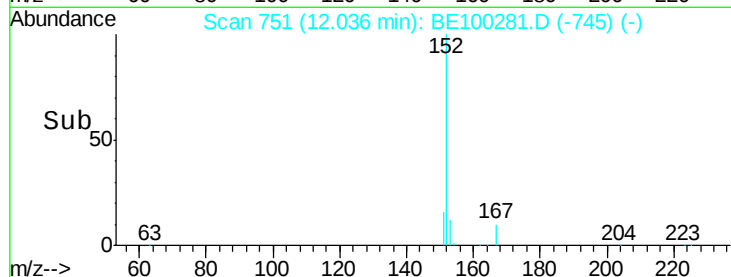
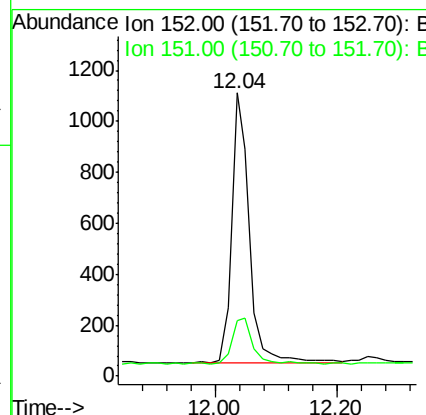
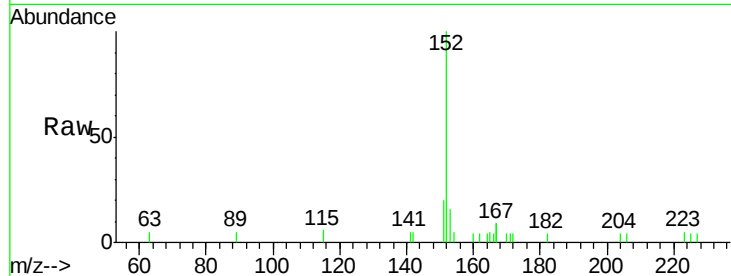
#11
2-Methylnaphthalene-d10
Concen: 0.354 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW126-061819

Tot Ion:152 Resp: 2145
Ion Ratio Lower Upper
152 100
151 19.7 15.1 22.7

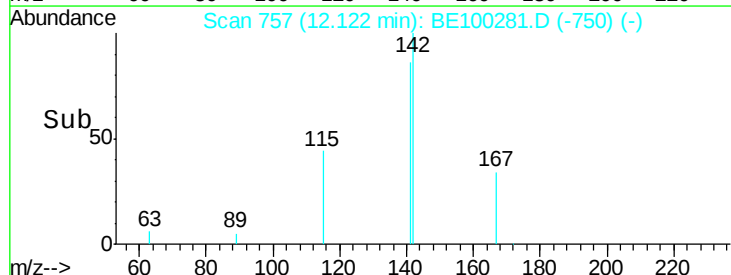
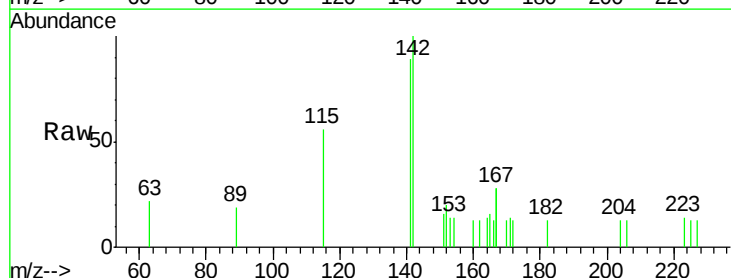
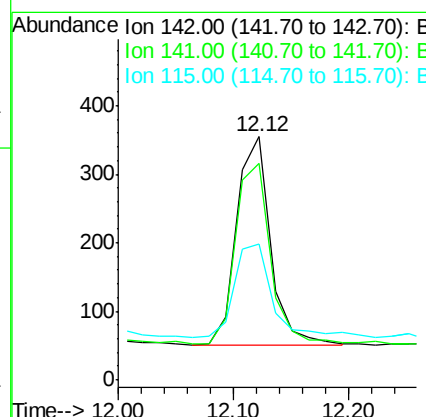
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#12
2-Methylnaphthalene
Concen: 0.100 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Tgt Ion:142 Resp: 622
Ion Ratio Lower Upper
142 100
141 89.0 72.4 108.6
115 55.8 40.4 60.6





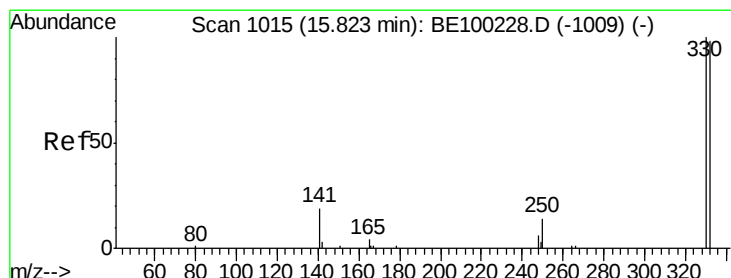
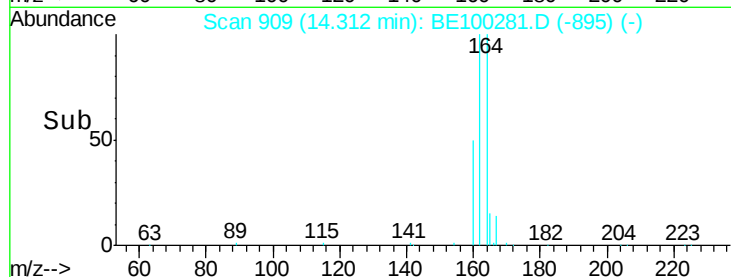
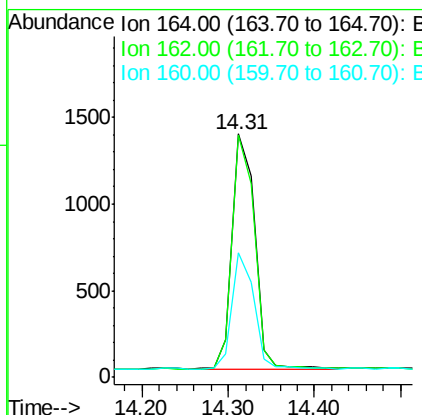
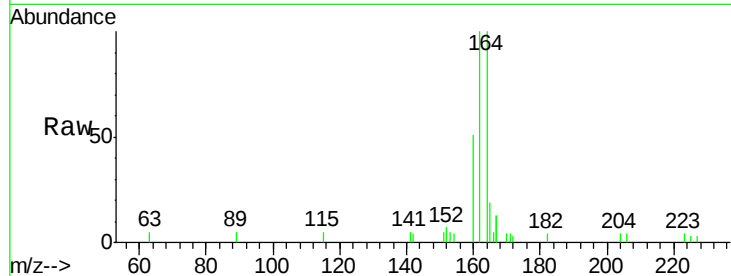
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW126-061819

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.7	83.4	125.0
160	51.4	45.0	67.6

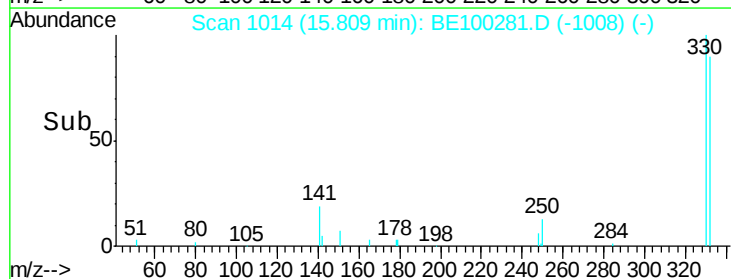
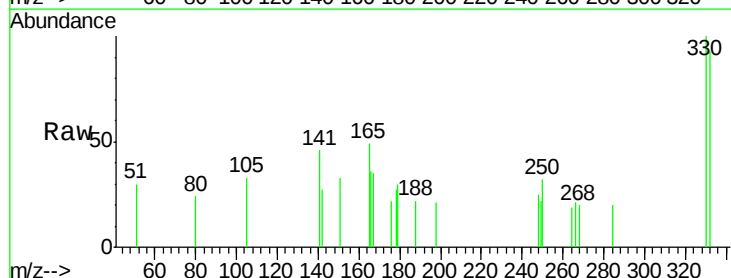
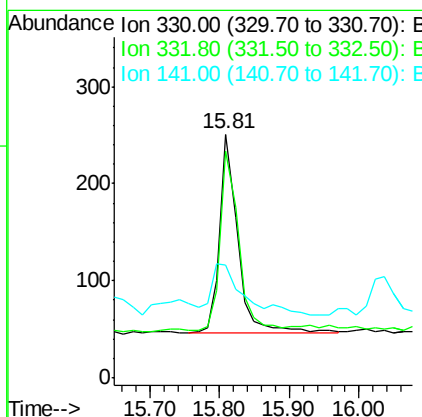
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#14
2,4,6-Tribromophenol
Concen: 0.220 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	89.5	77.0	115.4
141	43.2	22.0	33.0#





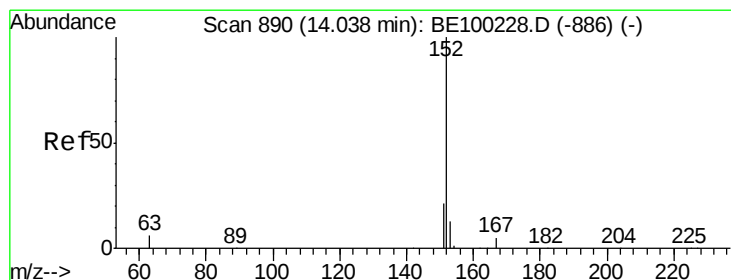
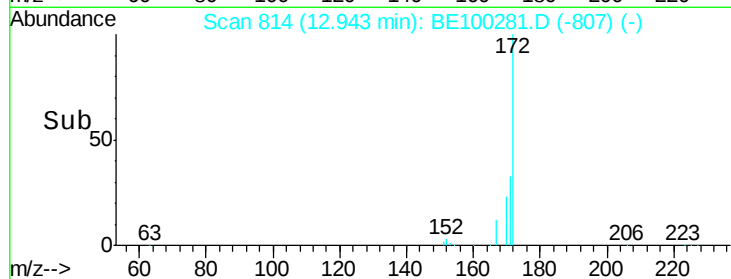
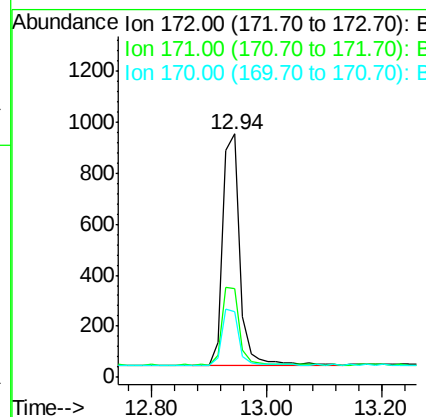
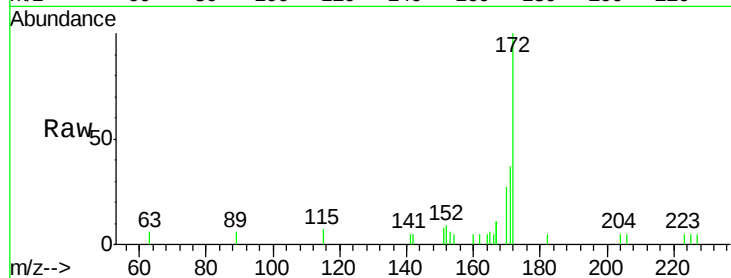
#15
2-Fluorobiphenyl
Concen: 0.198 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW126-061819

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.9	47.9
170	26.9	22.2	33.2

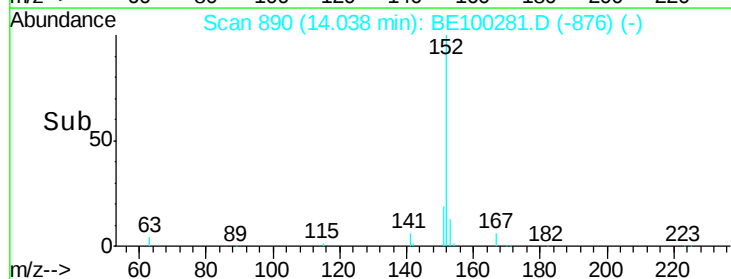
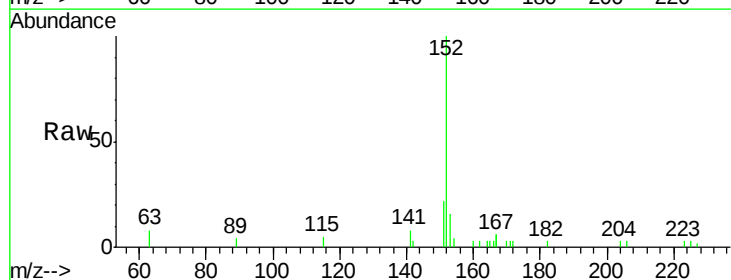
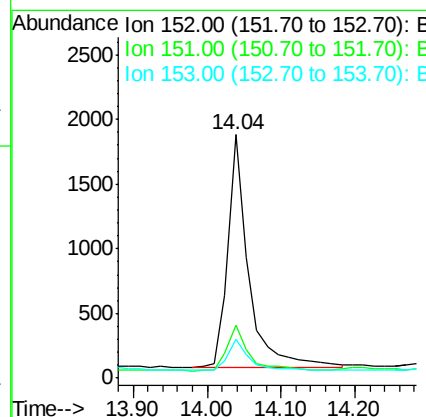
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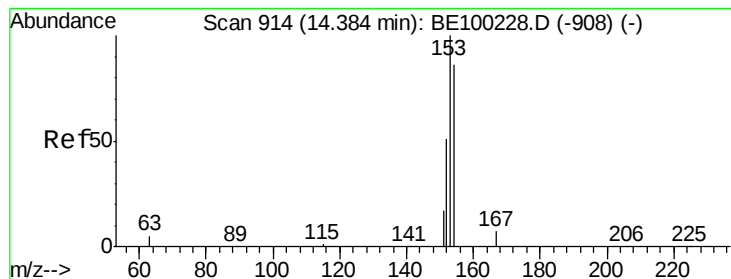
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#16
Acenaphthylene
Concen: 0.300 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	25.0
153	13.6	10.5	15.7





#17

Acenaphthene

Concen: 0.064 ng

RT: 14.38 min Scan# 914

Delta R.T. -0.00 min

Lab File: BE100281.D

Acq: 2 Jul 2019 1:44

Instrument :

BNA_E

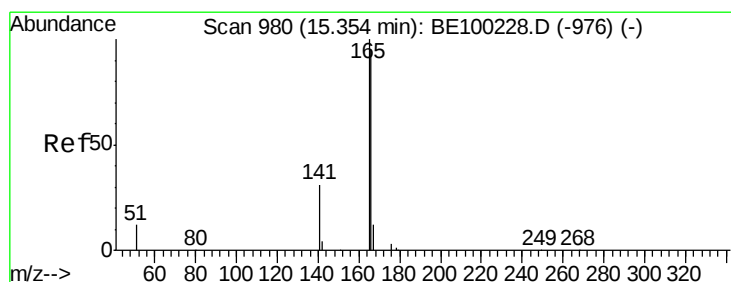
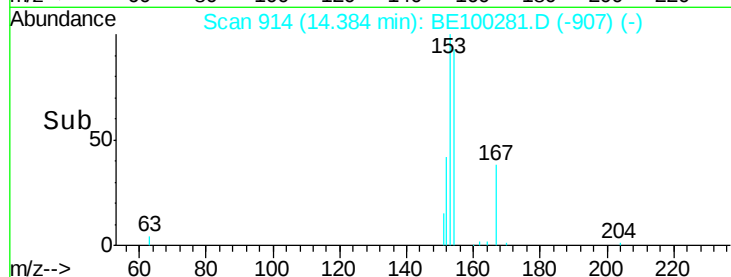
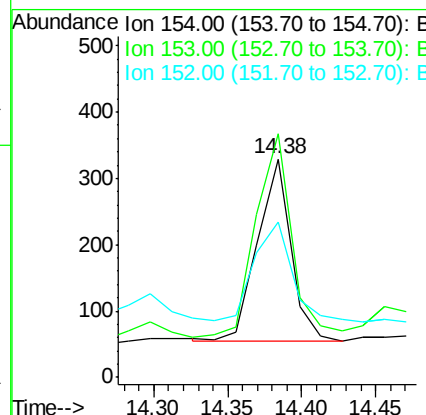
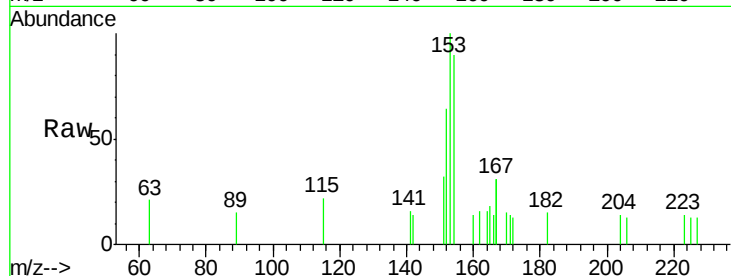
ClientSampleId :

EXT-007-SW126-061819

Tot Ion:	154	Resp:	426
Ion Ratio	Lower	Upper	
154	100		
153	120.4	93.4	140.2
152	64.1	49.4	74.2

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#18

Fluorene

Concen: 0.090 ng

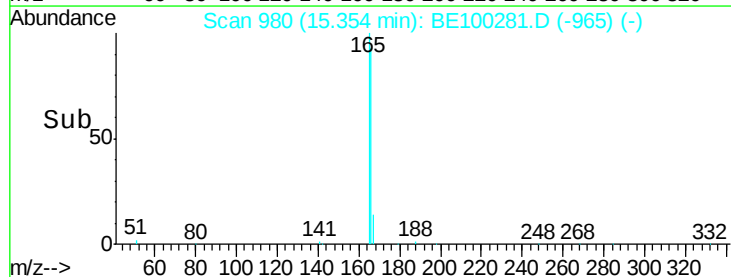
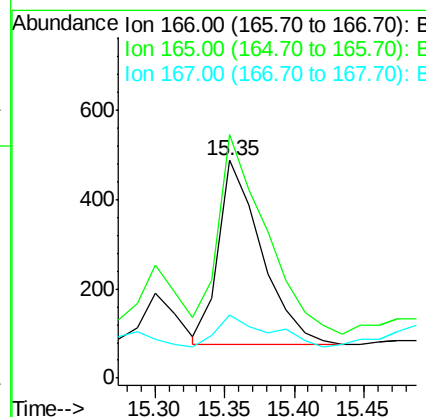
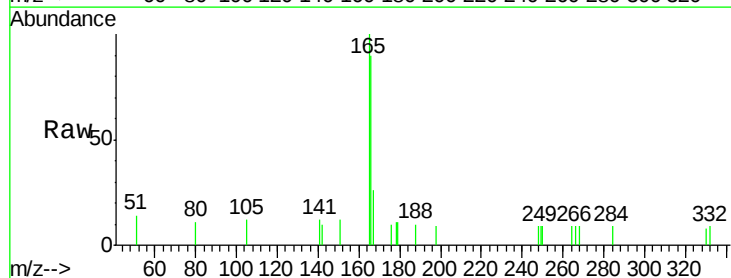
RT: 15.35 min Scan# 980

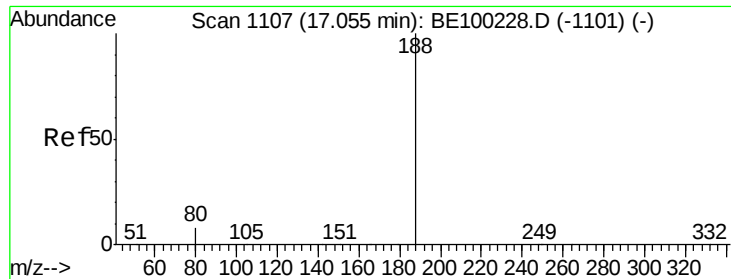
Delta R.T. -0.00 min

Lab File: BE100281.D

Acq: 2 Jul 2019 1:44

Tgt Ion:	166	Resp:	878
Ion Ratio	Lower	Upper	
166	100		
165	118.8	81.1	121.7
167	21.5	10.7	16.1#





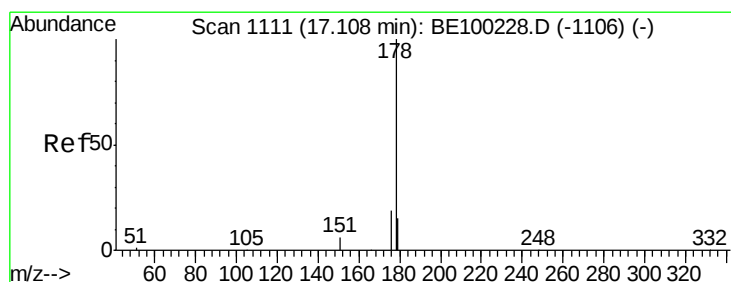
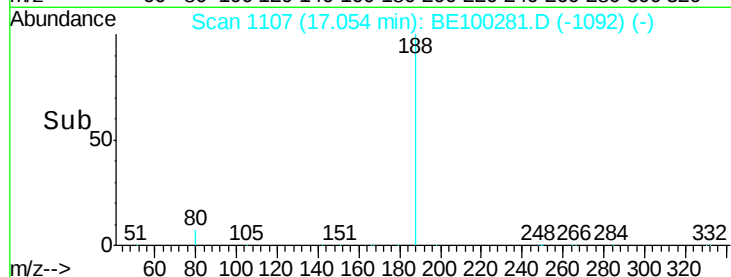
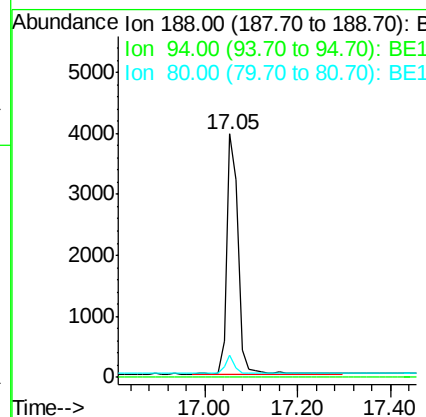
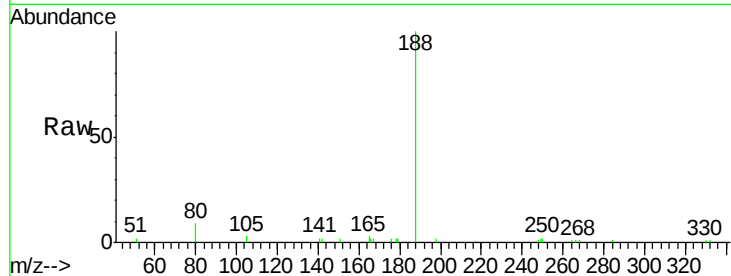
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW126-061819

Tot Ion	Ratio	Resp	Lower	Upper
188	100	6718		
94	0.0	0.0	0.0	0.0
80	8.9	7.6	11.4	

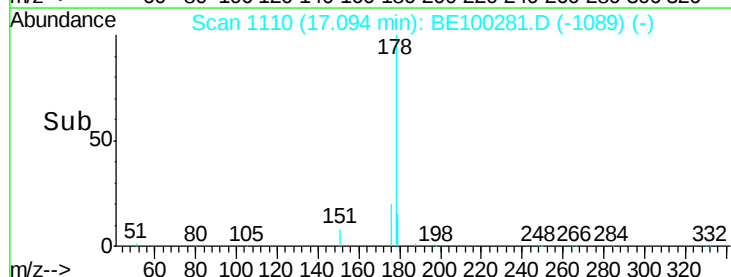
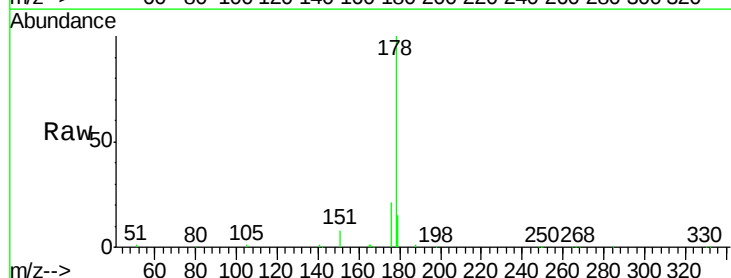
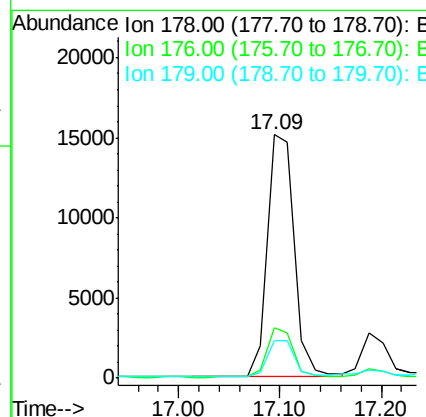
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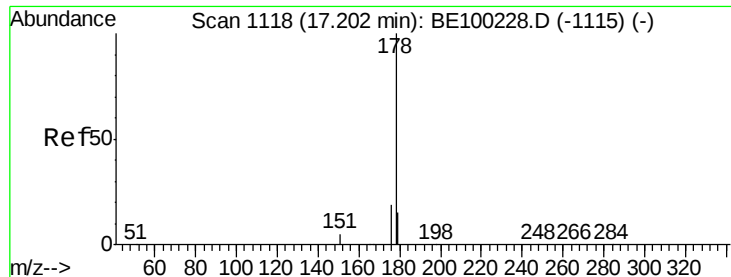
mohammad
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#23
Phenanthrene
Concen: 1.714 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	27914		
176	19.7	15.9	23.9	
179	15.4	12.2	18.2	





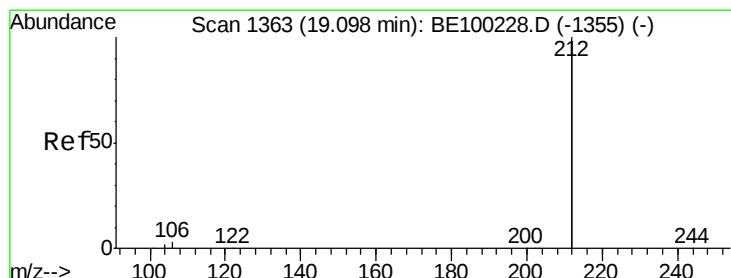
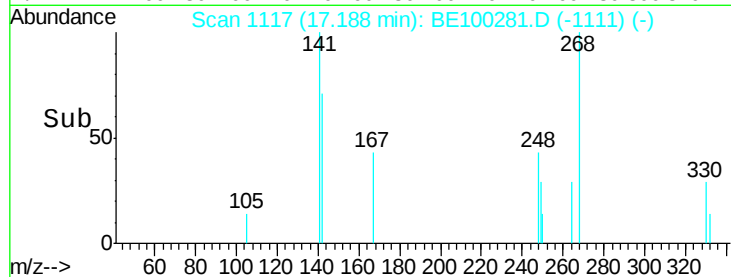
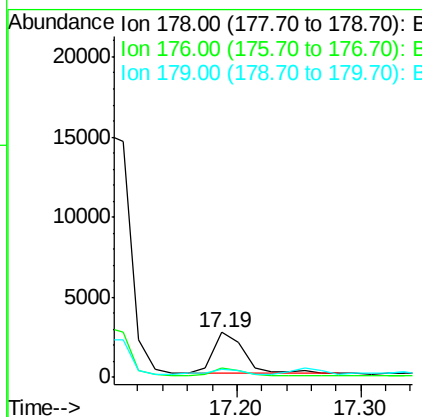
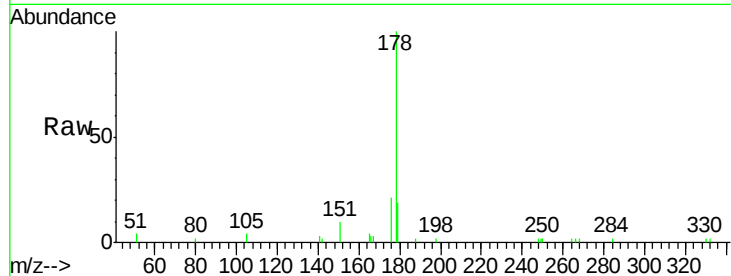
#24
 Anthracene
 Concen: 0.316 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100281.D
 Acq: 2 Jul 2019 1:44

Instrument :
 BNA_E
 ClientSampleId :
 EXT-007-SW126-061819

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.3	22.9
179	15.8	12.2	18.2

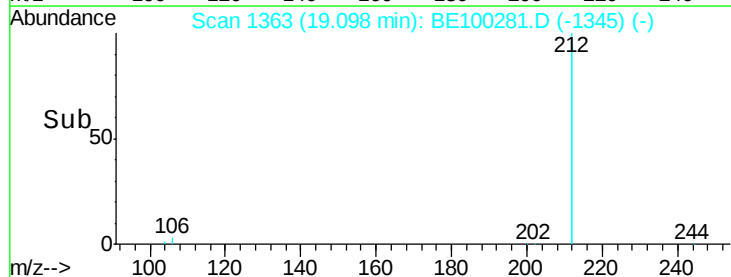
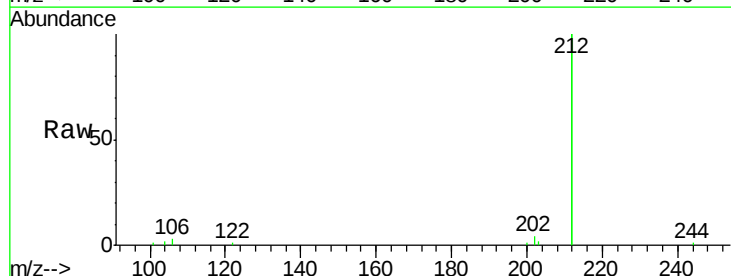
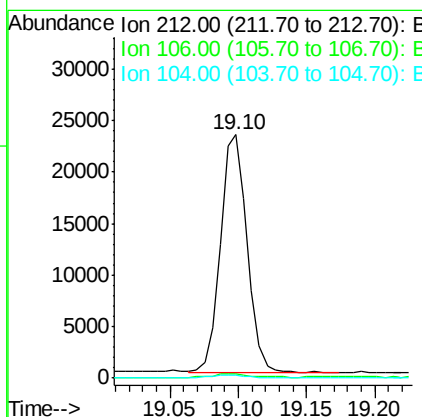
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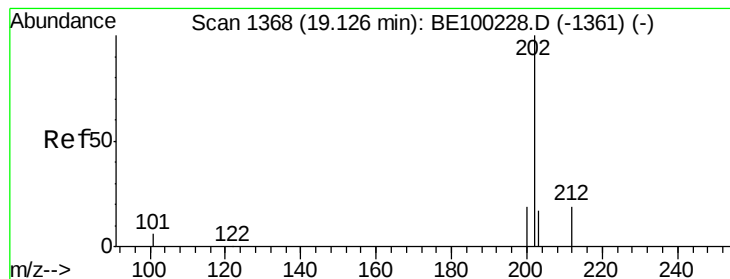
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.325 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100281.D
 Acq: 2 Jul 2019 1:44

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	1.0	0.8	1.2





#26

Fluoranthene

Concen: 3.482 ng

RT: 19.13 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE100281.D

Acq: 2 Jul 2019 1:44

Instrument :

BNA_E

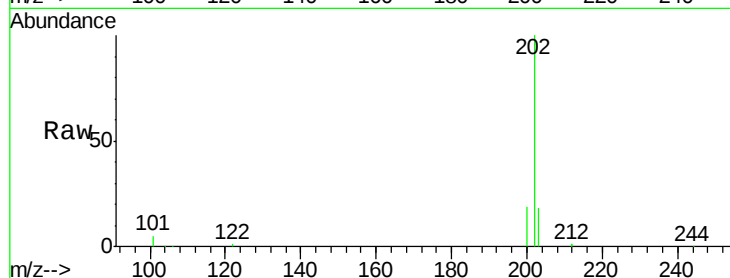
ClientSampleId :

EXT-007-SW126-061819

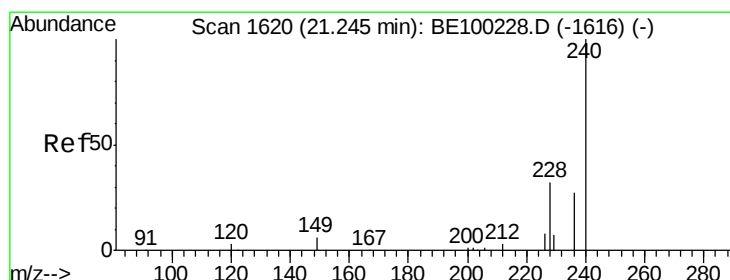
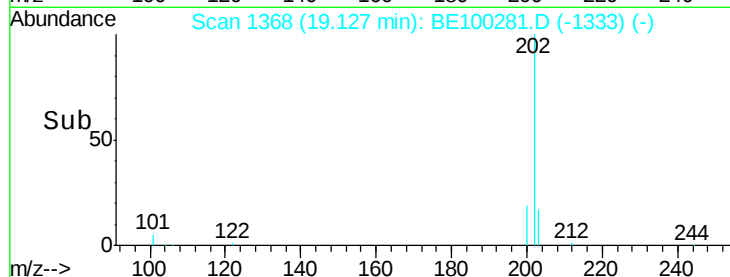
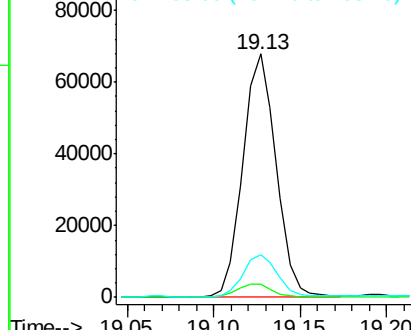
Tot Ion:	202	Resp:	90299
Ion Ratio	Lower	Upper	
202	100		
101	5.5	4.6	7.0
203	17.5	13.7	20.5

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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: 21.25 min Scan# 1620

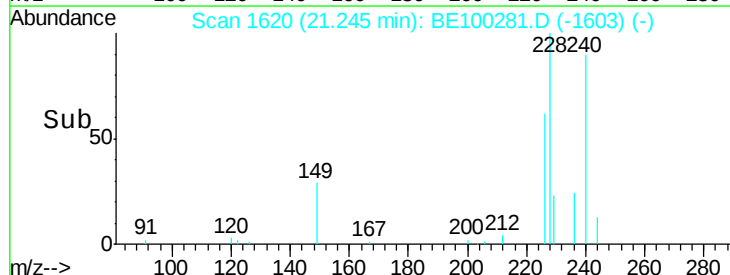
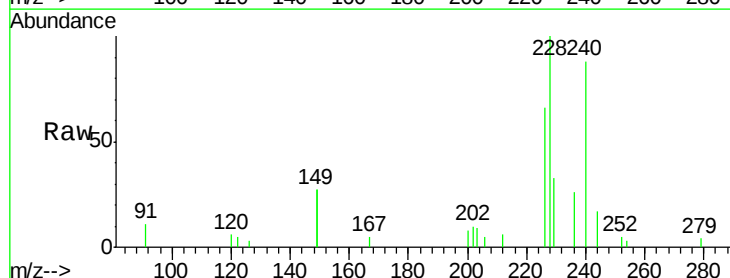
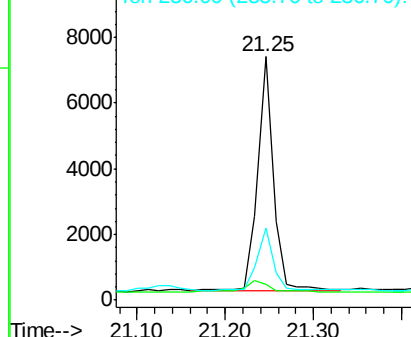
Delta R.T. 0.00 min

Lab File: BE100281.D

Acq: 2 Jul 2019 1:44

Tgt Ion:	240	Resp:	8870
Ion Ratio	Lower	Upper	
240	100		
120	6.3	3.3	4.9#
236	29.8	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





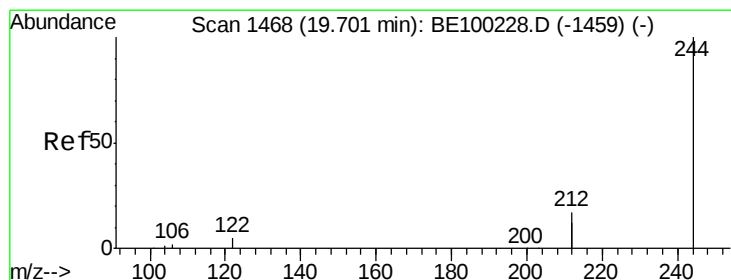
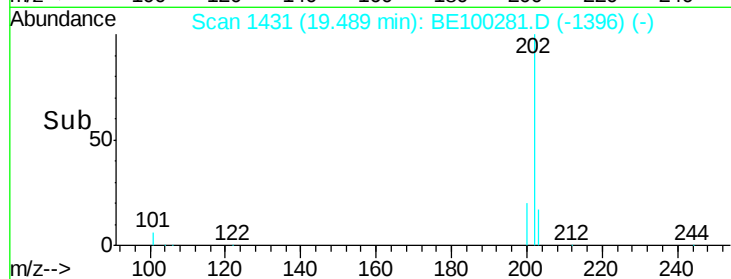
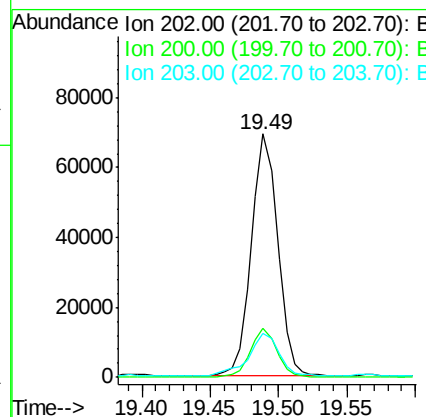
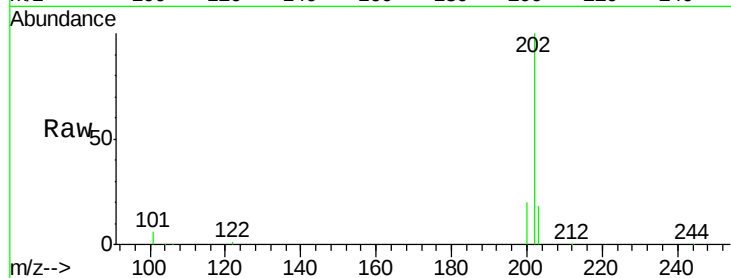
#28
Pvrene
Concen: 3.948 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW126-061819

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.8	15.6	23.4
203	20.5	14.0	21.0

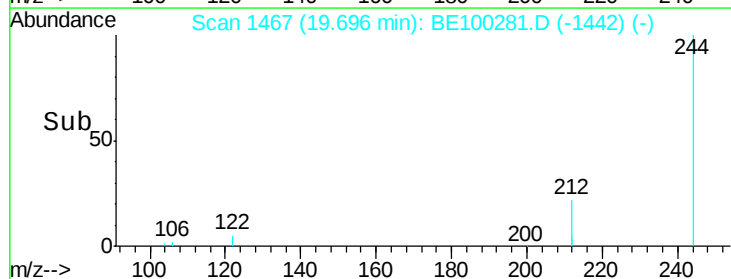
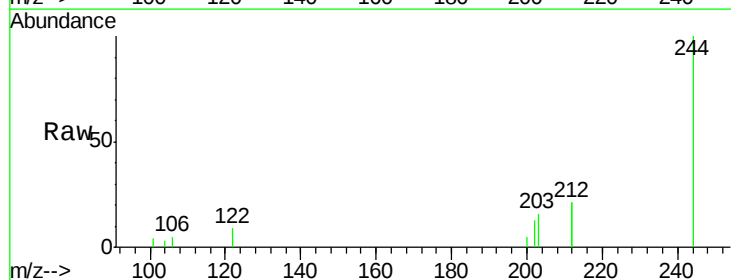
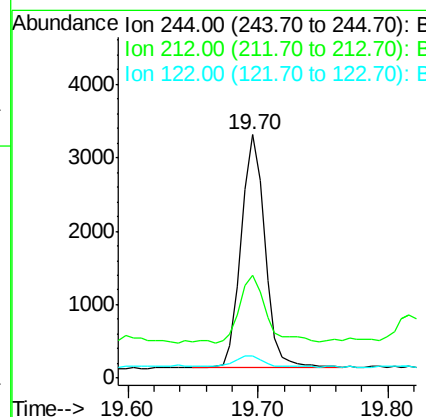
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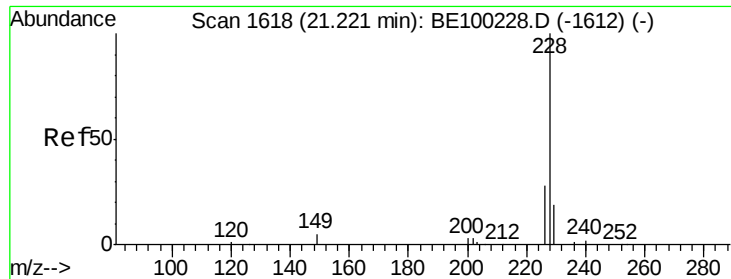
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#29
Terphenyl-d14
Concen: 0.219 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	42.1	27.3	40.9#
122	9.3	4.7	7.1#





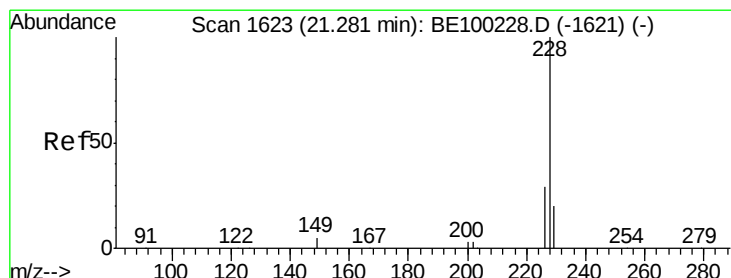
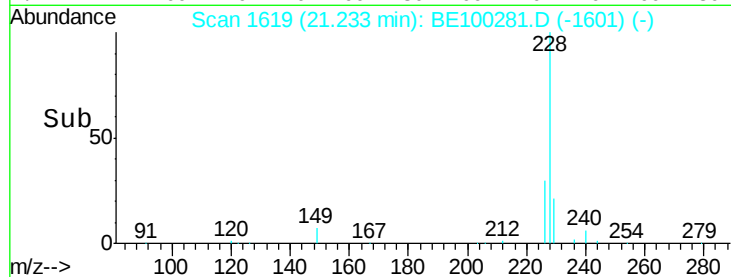
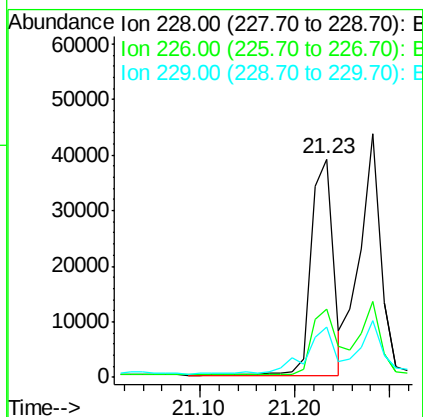
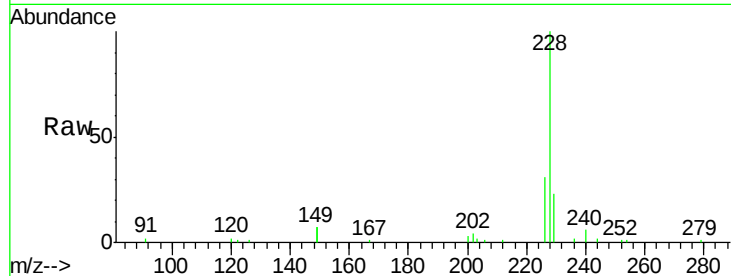
#30
Benzo(a)anthracene
Concen: 2.133 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW126-061819

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.2	34.8
229	22.8	15.7	23.5

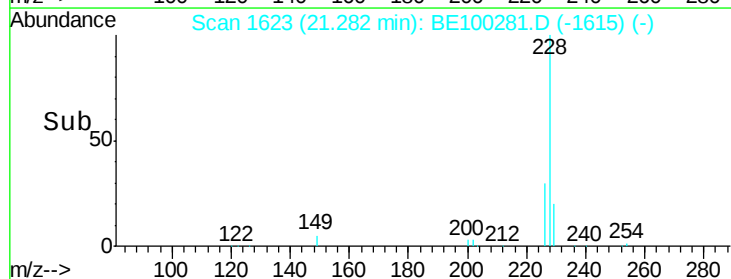
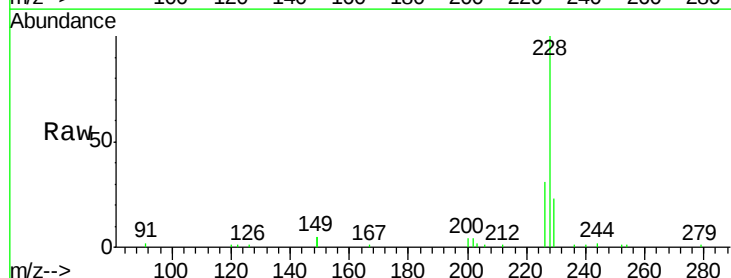
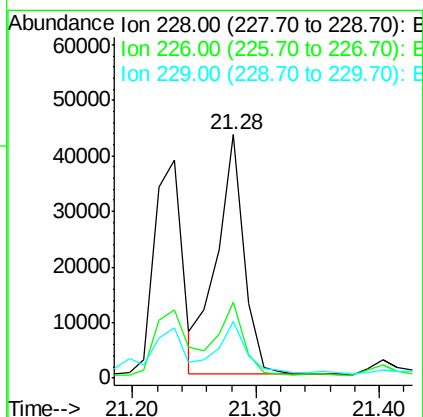
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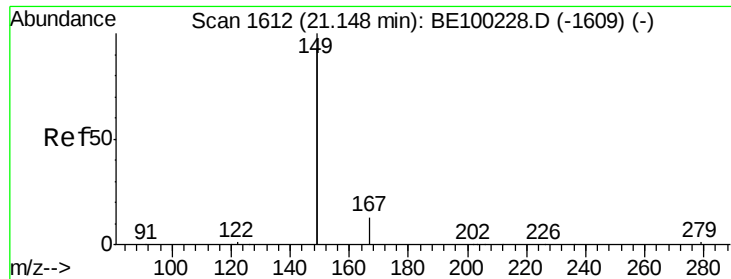
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#31
Chrysene
Concen: 2.269 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	23.3	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.712 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100281.D

Acq: 2 Jul 2019 1:44

Instrument :

BNA_E

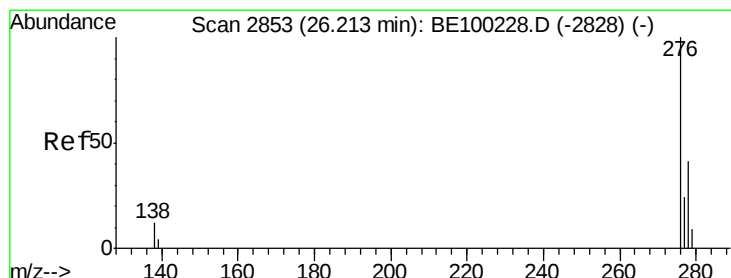
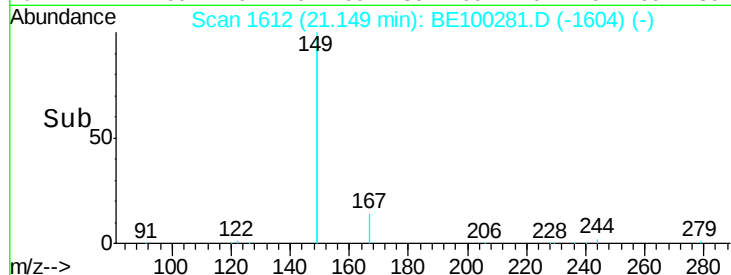
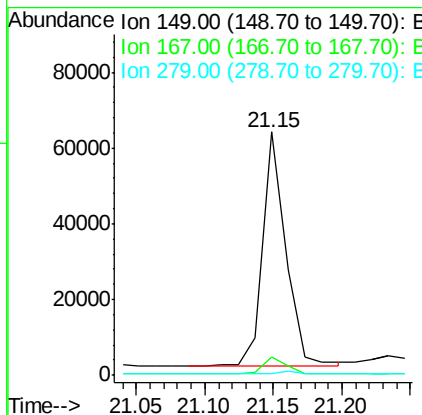
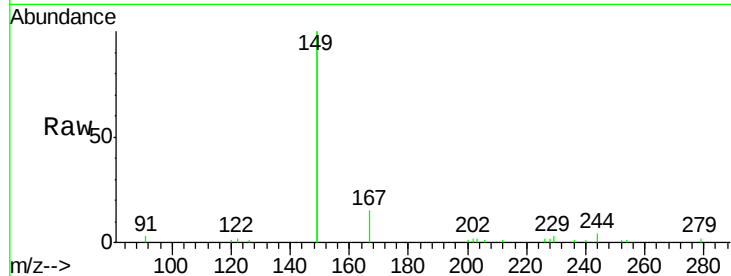
ClientSampleId :

EXT-007-SW126-061819

Tot Ion:	149	Resp:	72939
Ion Ratio	Lower	Upper	
149	100		
167	7.1	5.8	8.8
279	1.5	1.1	1.7

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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.110 ng

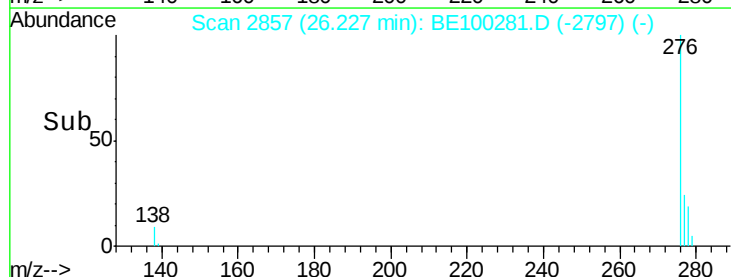
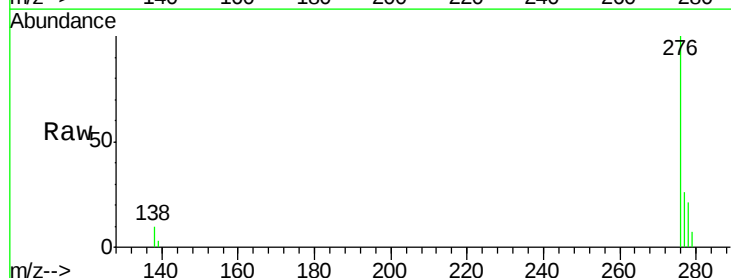
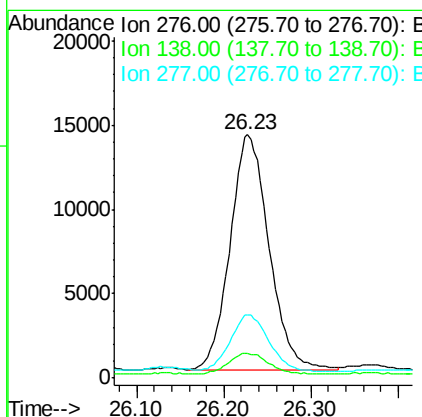
RT: 26.23 min Scan# 2857

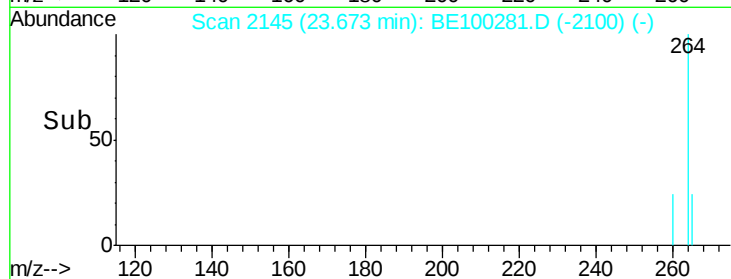
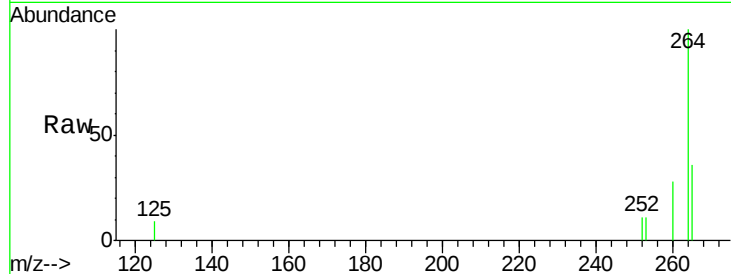
Delta R.T. 0.01 min

Lab File: BE100281.D

Acq: 2 Jul 2019 1:44

Tgt Ion:	276	Resp:	43011
Ion Ratio	Lower	Upper	
276	100		
138	9.1	9.4	14.0#
277	24.4	19.2	28.8





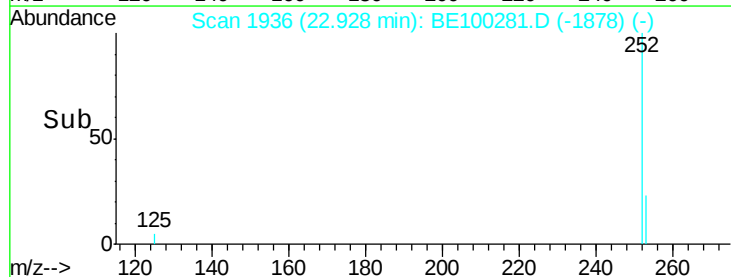
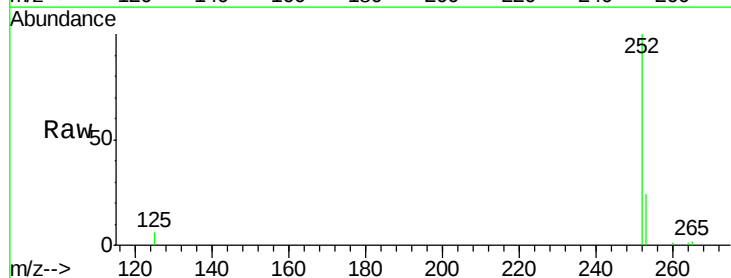
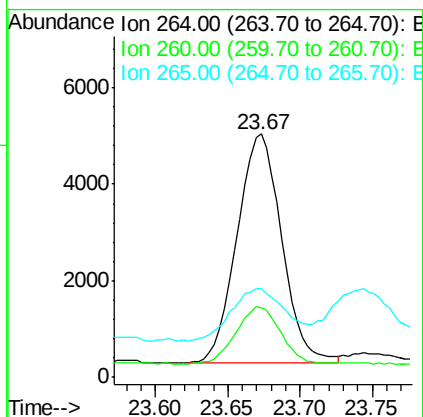
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.67 min Scan# 2145
 Delta R.T. 0.01 min
 Lab File: BE100281.D
 Acq: 2 Jul 2019 1:44

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.4	20.8	31.2
265	36.2	21.8	32.6

Instrument :
 BNA_E
 ClientSampleId :
 EXT-007-SW126-061819

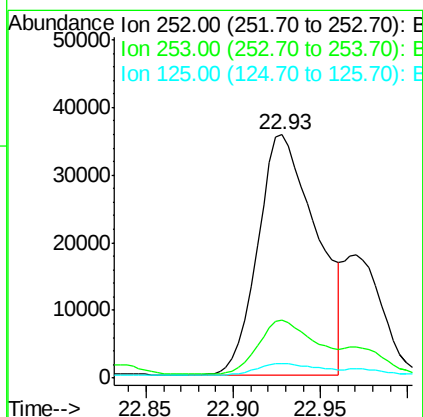
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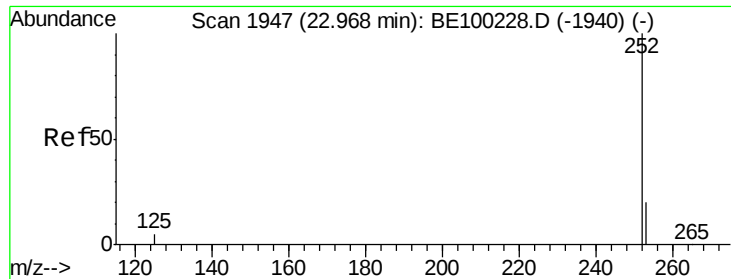
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#35
 Benzo(b)fluoranthene
 Concen: 3.051 ng
 RT: 22.93 min Scan# 1936
 Delta R.T. 0.01 min
 Lab File: BE100281.D
 Acq: 2 Jul 2019 1:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.2	28.8
125	6.0	7.4	11.0





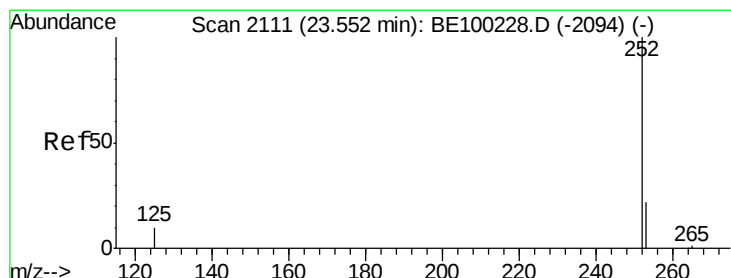
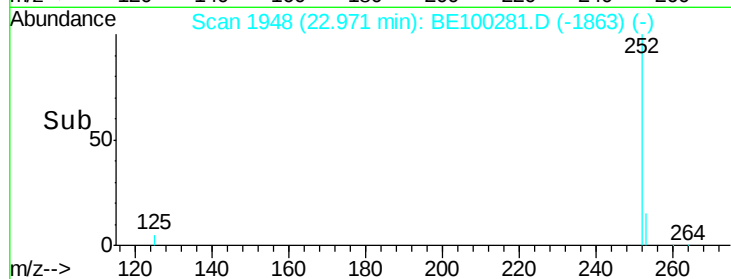
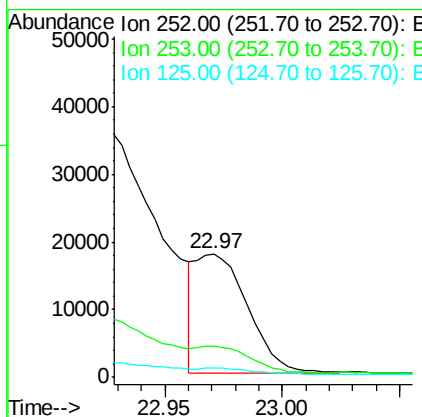
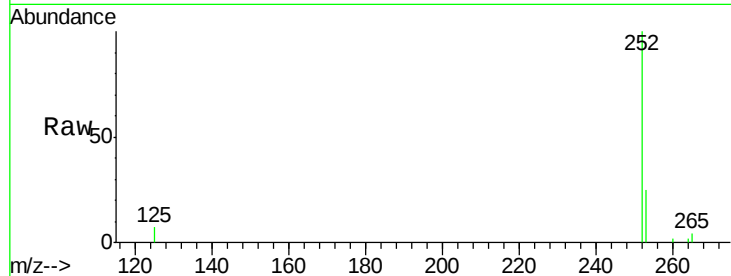
#36
Benzo(k)fluoranthene
Concen: 0.894 ng
RT: 22.97 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW126-061819

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	7.3	5.0	7.4

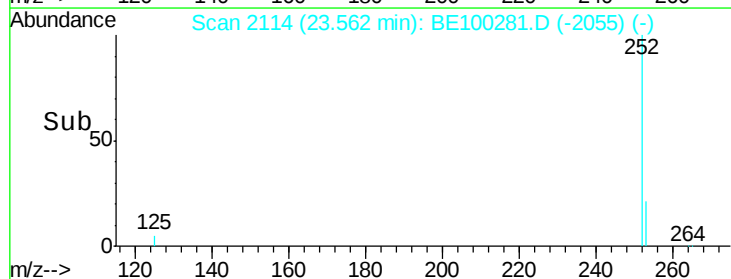
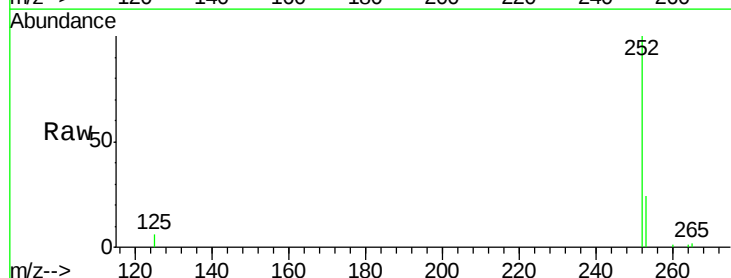
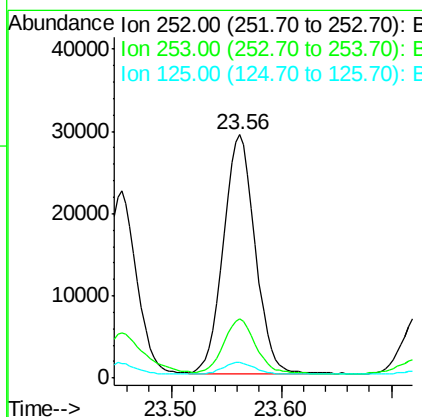
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#37
Benzo(a)pyrene
Concen: 2.145 ng
RT: 23.56 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.6	29.4
125	6.4	9.0	13.6





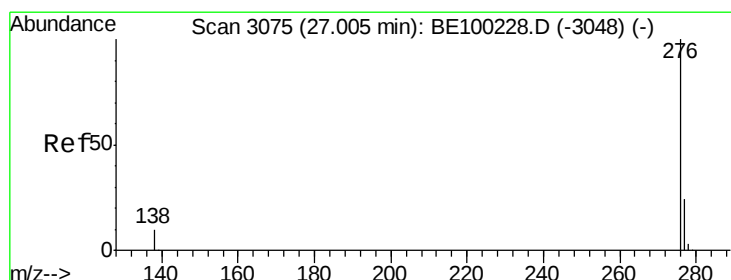
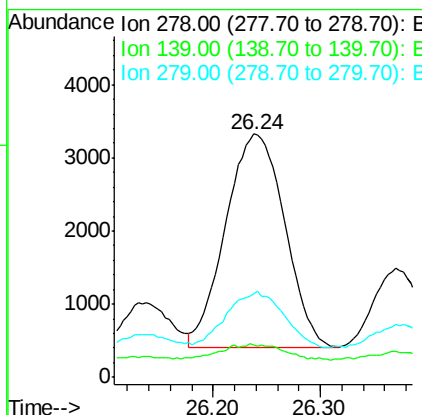
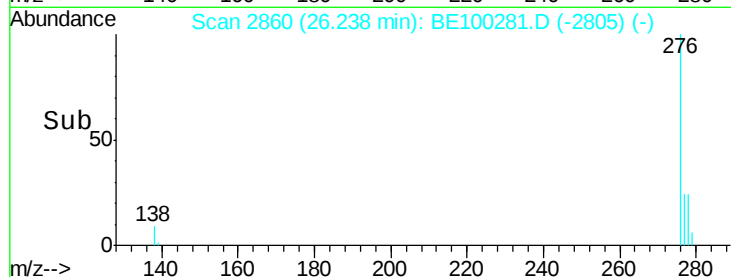
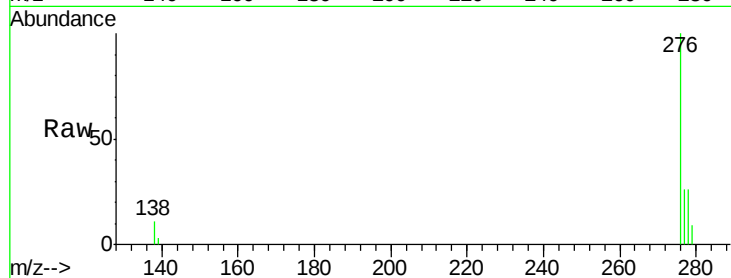
#38
Dibenzo(a,h)anthracene
Concen: 0.389 ng
RT: 26.24 min Scan# 2860
Delta R.T. -0.00 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW126-061819

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.4	8.2	12.2#
279	34.3	20.3	30.5#

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#39
Benzo(g,h,i)perylene
Concen: 1.473 ng
RT: 27.02 min Scan# 3080
Delta R.T. 0.02 min
Lab File: BE100281.D
Acq: 2 Jul 2019 1:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	20.2	30.2
138	10.9	9.0	13.6

