

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
 Data File : BE100560.D
 Acq On : 25 Sep 2019 17:16
 Operator : JU
 Sample : K4995-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW136-091819-1

Manual Integrations
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 9/26/2019 3:55:50 PM

Quant Time: Sep 26 01:31:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 18:26:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	6710	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	31220	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	18817	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	43667	0.40	ng	0.00
27) Chrysene-d12	21.37	240	50439	0.40	ng	0.00
34) Perylene-d12	23.84	264	58642	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	5937	0.38	ng	0.00
5) Phenol-d6	7.02	99	8324	0.39	ng	0.00
8) Nitrobenzene-d5	9.00	82	6379	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	13621	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1851	0.61	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	16961	0.25	ng	0.00
25) Fluoranthene-d10	19.23	212	153380	0.30	ng	0.00
29) Terphenyl-d14	19.82	244	36572	0.31	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.69	128	83071	0.257	ng	100
12) 2-Methylnaphthalene	12.31	142	16378	0.318	ng	99
16) Acenaphthylene	14.21	152	121740	1.571	ng	99
17) Acenaphthene	14.54	154	8094	0.155	ng	98
18) Fluorene	15.52	166	30848	0.471	ng	# 89
23) Phenanthrene	17.24	178	644514	5.297	ng	99
24) Anthracene	17.34	178	75868	0.741	ng	97
26) Fluoranthene	19.25	202	1033545	7.044	ng	98
28) Pyrene	19.62	202	1247656	8.597	ng	96
30) Benzo(a)anthracene	21.34	228	550600	4.087	ng	94
31) Chrysene	21.40	228	684849	4.462	ng	96
32) Bis(2-ethylhexyl)phthalate	21.28	149	710828	4.895	ng	100
33) Indeno(1,2,3-cd)pyrene	26.45	276	375496	2.200	ng	98
35) Benzo(b)fluoranthene	23.09	252	726335	4.578	ng	97
36) Benzo(k)fluoranthene	23.12	252	270150m	1.472	ng	
37) Benzo(a)pyrene	23.73	252	545709	3.686	ng	99
38) Dibenzo(a,h)anthracene	26.46	278	103561	0.672	ng	# 86
39) Benzo(a,h,i)perylene	27.26	276	412763	2.563	ng	97

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

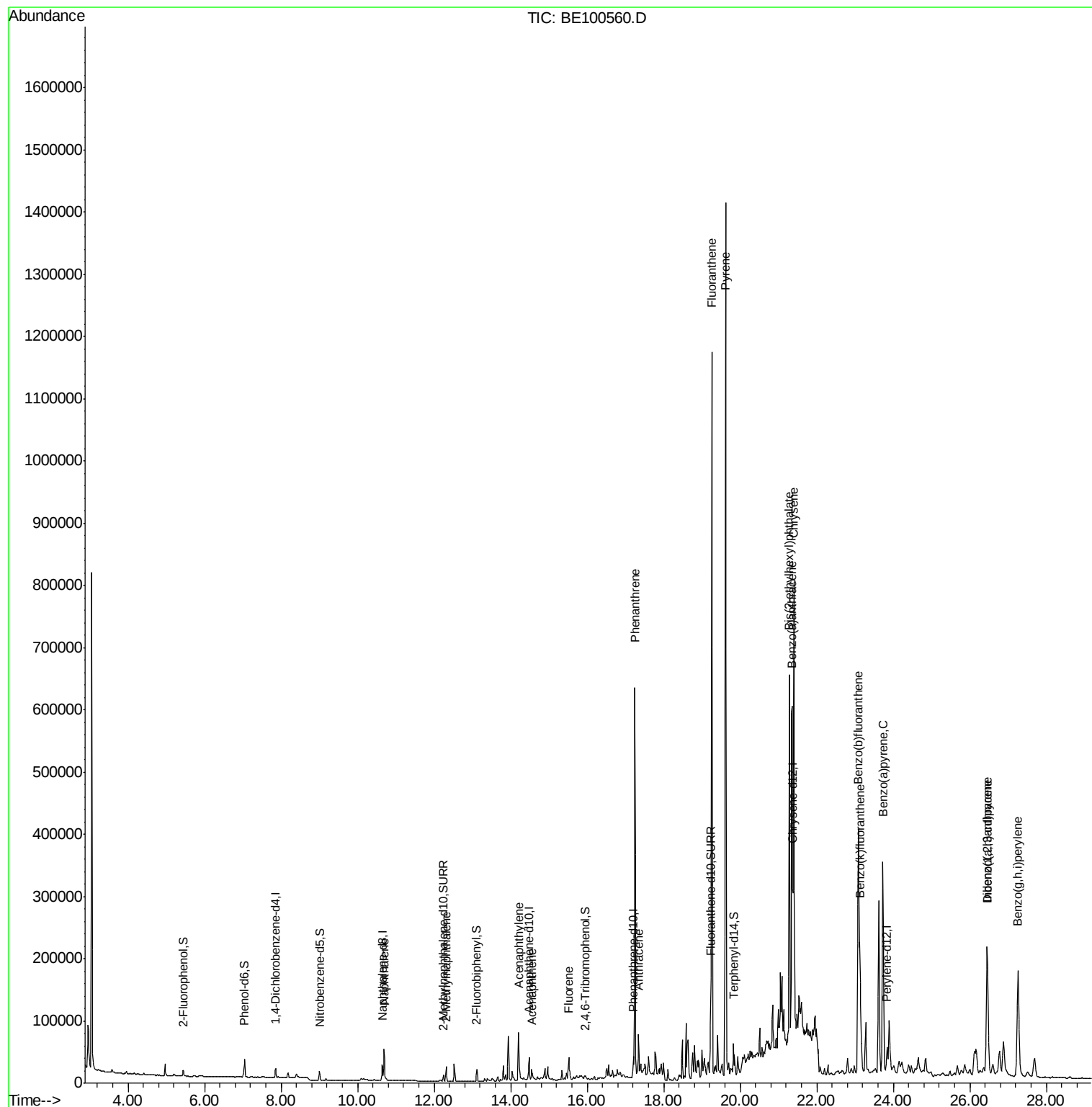
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

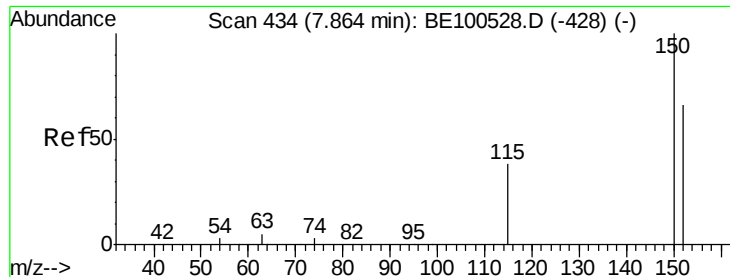
Instrument :
BNA_E
ClientSampleId :
EXT-SW136-091819-1

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 18:26:17 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE100560.D

Acq: 25 Sep 2019 17:16

Instrument :

BNA_E

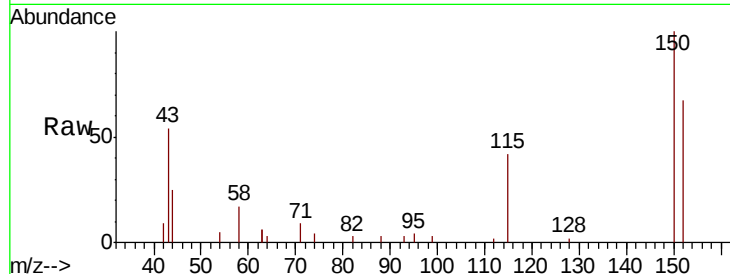
ClientSampleId :

EXT-SW136-091819-1

Tot Ion:	152	Resp:	6710
Ion	Ratio	Lower	Upper
152	100		
150	148.3	121.6	182.4
115	62.2	48.2	72.4

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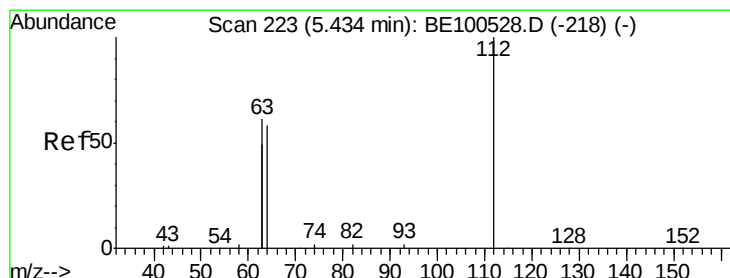
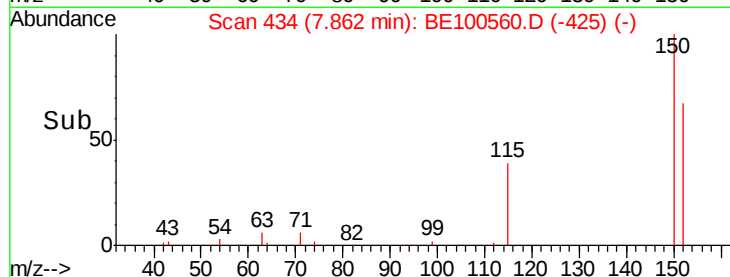
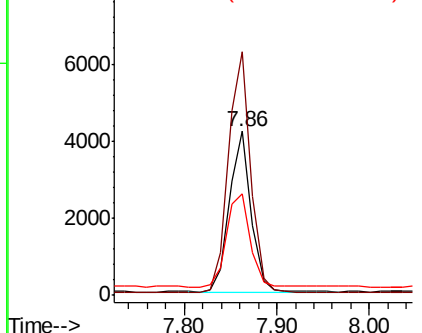


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.378 ng

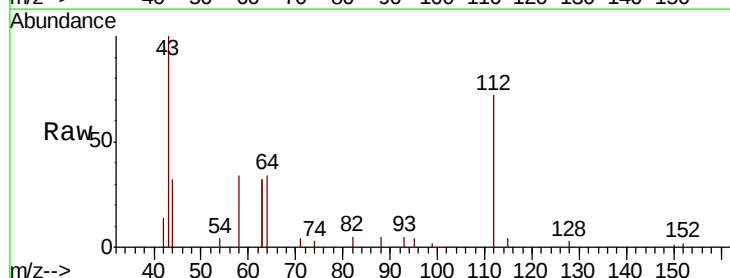
RT: 5.44 min Scan# 224

Delta R.T. 0.01 min

Lab File: BE100560.D

Acq: 25 Sep 2019 17:16

Tgt Ion:	112	Resp:	5937
Ion	Ratio	Lower	Upper
112	100		
64	58.3	44.1	66.1
63	109.6	86.5	129.7

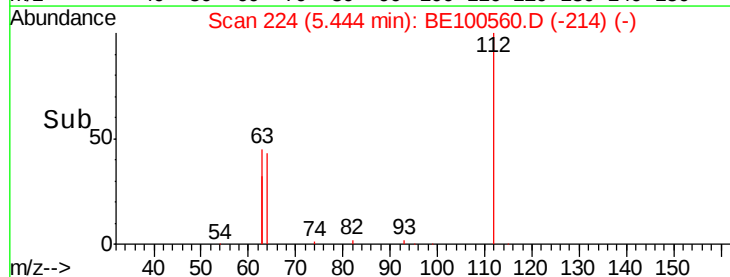
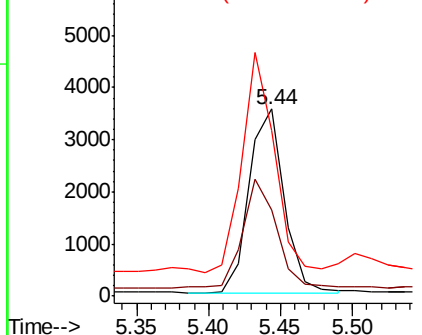


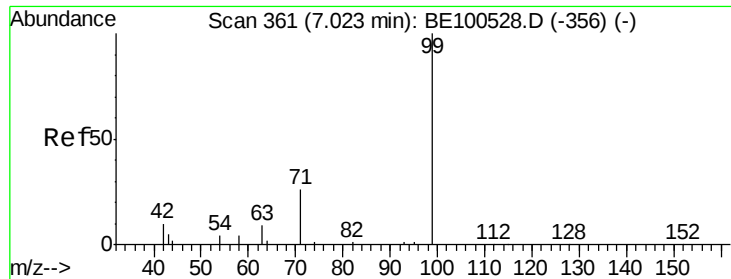
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.387 ng

RT: 7.02 min Scan# 361

Delta R.T. -0.00 min

Lab File: BE100560.D

Acq: 25 Sep 2019 17:16

Instrument :

BNA_E

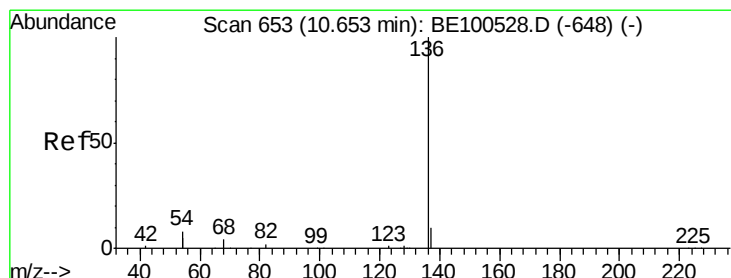
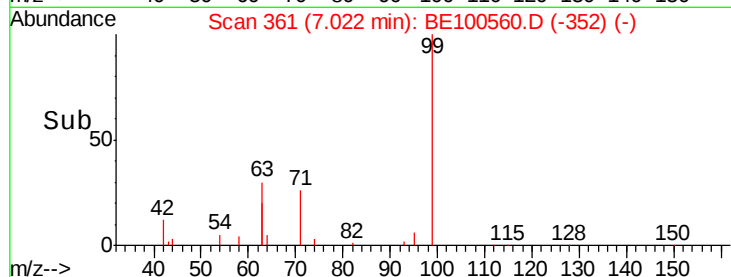
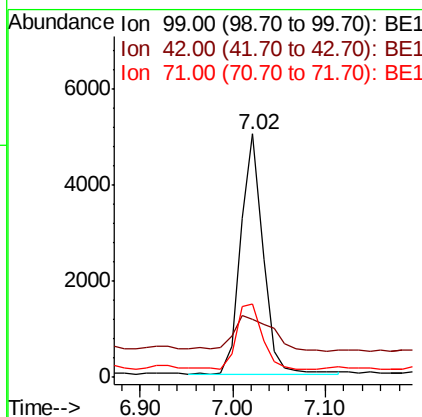
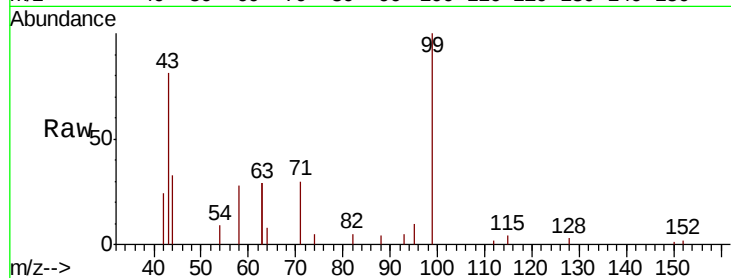
ClientSampleId :

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Tot Ion:	99	Resp:	8324
Ion Ratio	Lower	Upper	
99	100		
42	24.9	13.0	19.6#
71	31.2	23.4	35.0

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#7

Naphthalene-d8

Concen: 0.400 ng

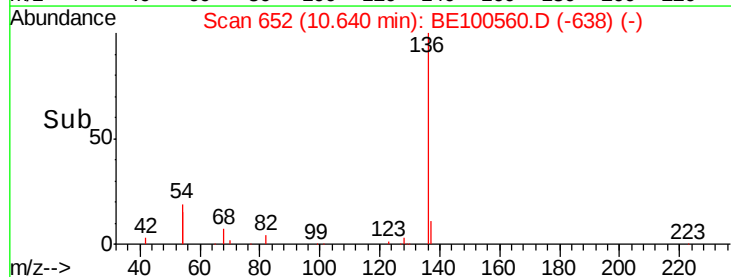
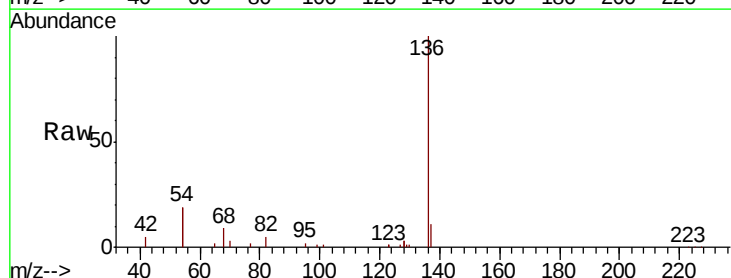
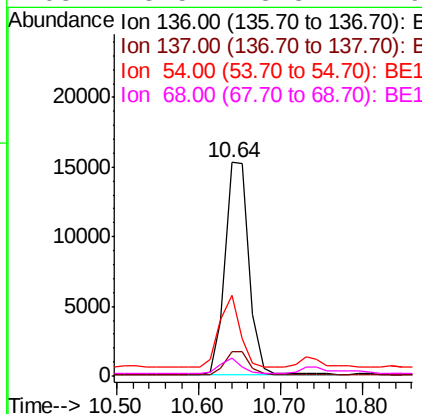
RT: 10.64 min Scan# 652

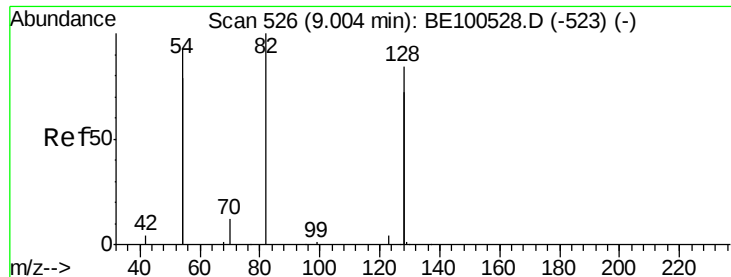
Delta R.T. -0.01 min

Lab File: BE100560.D

Acq: 25 Sep 2019 17:16

Tgt Ion:	136	Resp:	31220
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	13.0
54	37.9	12.4	18.6#
68	8.5	3.3	4.9#





#8

Nitrobenzene-d5

Concen: 0.354 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100560.D

Acq: 25 Sep 2019 17:16

Instrument :

BNA_E

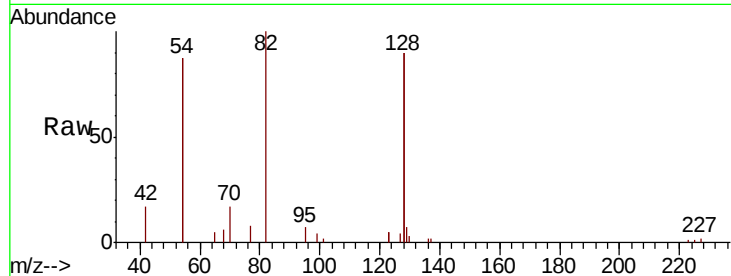
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EXT-SW136-091819-1

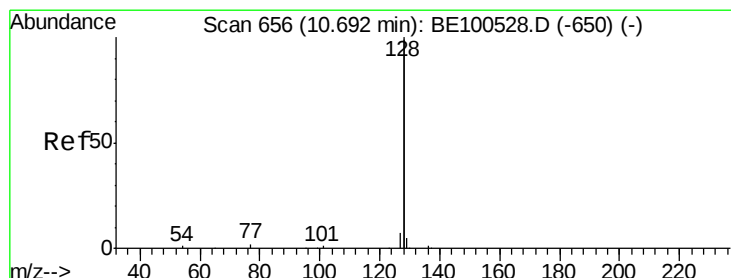
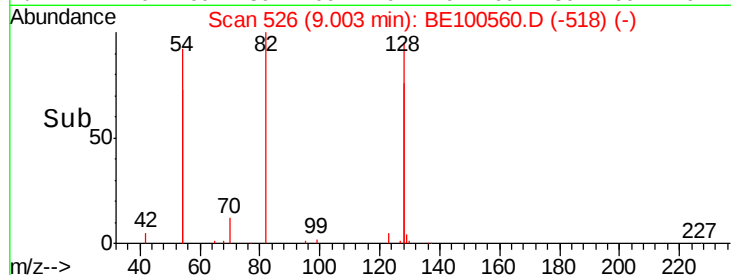
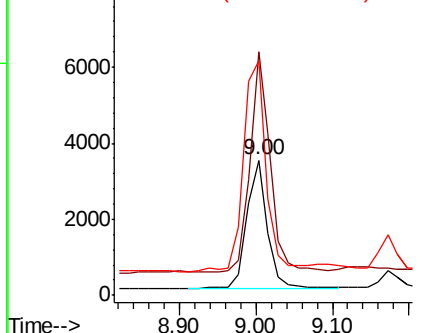
Tot Ion:	82	Resp:	6379
Ion	Ratio	Lower	Upper
82	100		
128	180.1	129.4	194.2
54	173.7	143.3	214.9

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



#9

Naphthalene

Concen: 0.257 ng

RT: 10.69 min Scan# 656

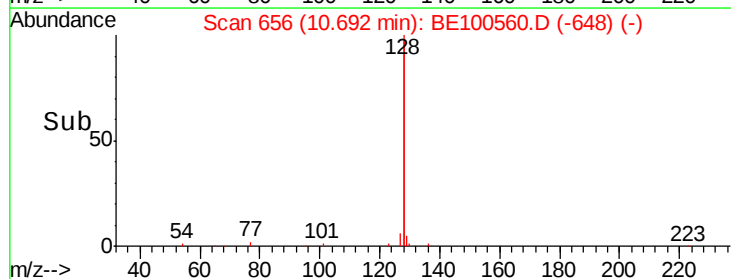
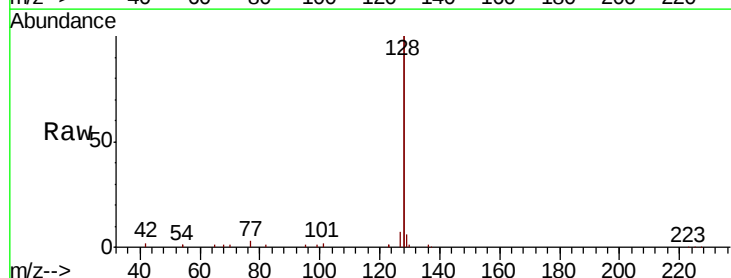
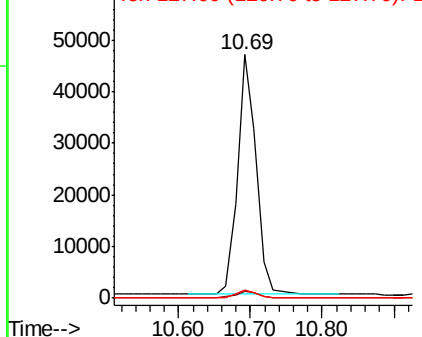
Delta R.T. -0.00 min

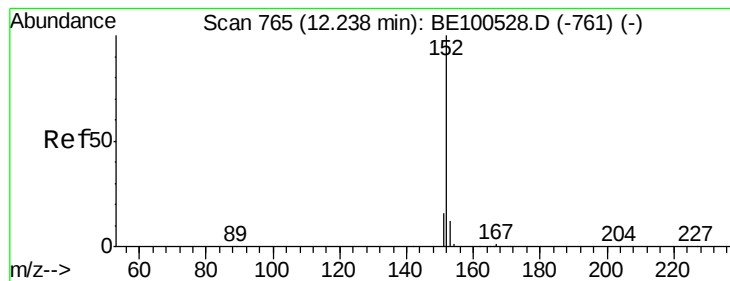
Lab File: BE100560.D

Acq: 25 Sep 2019 17:16

Tgt Ion:	128	Resp:	83071
Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.2	3.4
127	3.4	2.7	4.1

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





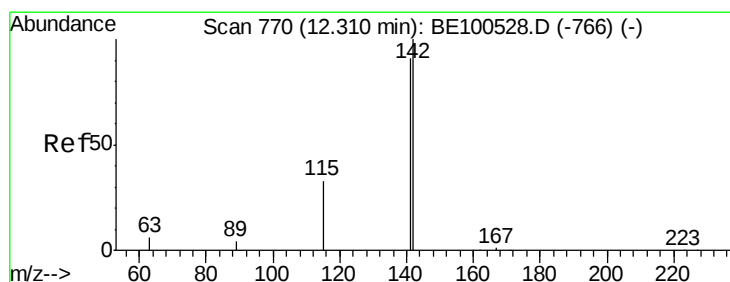
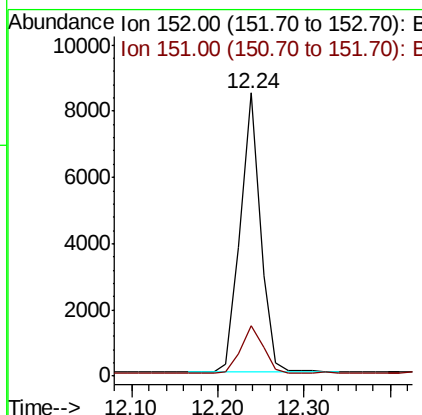
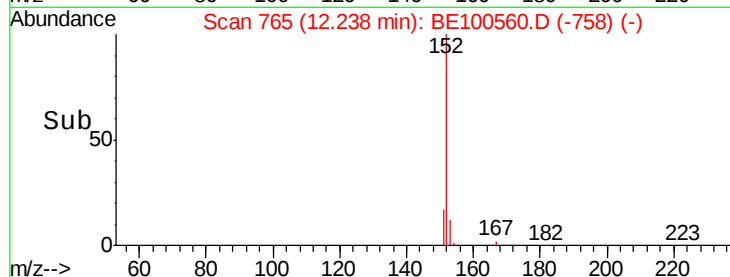
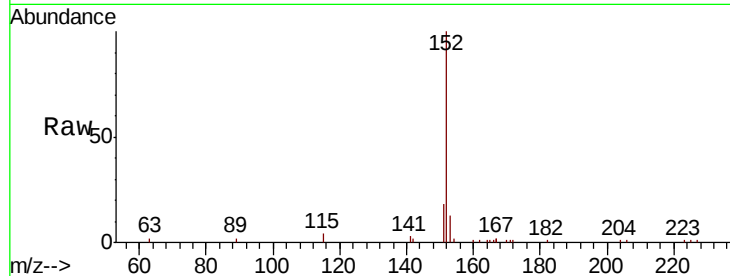
#11
 2-Methylnaphthalene-d10
 Concen: 0.292 ng
 RT: 12.24 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BE100560.D
 Acq: 25 Sep 2019 17:16

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW136-091819-1

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.3	22.9

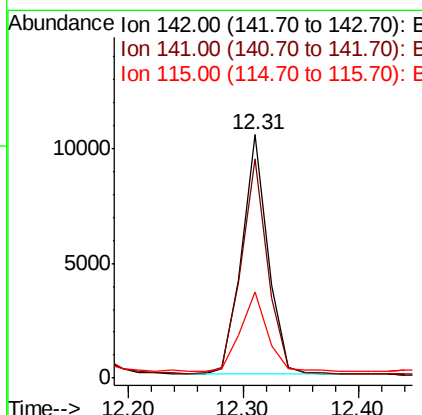
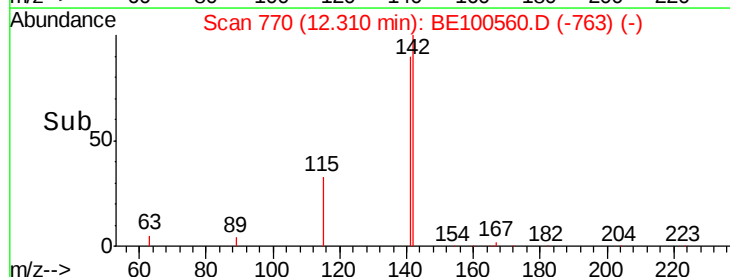
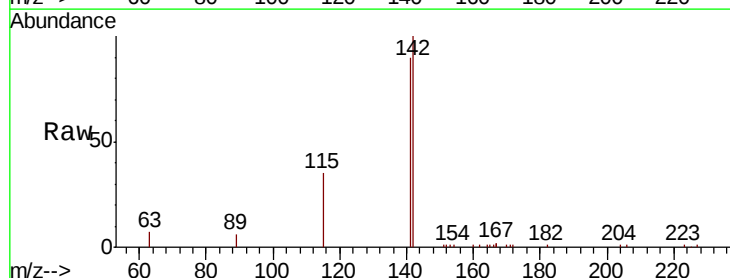
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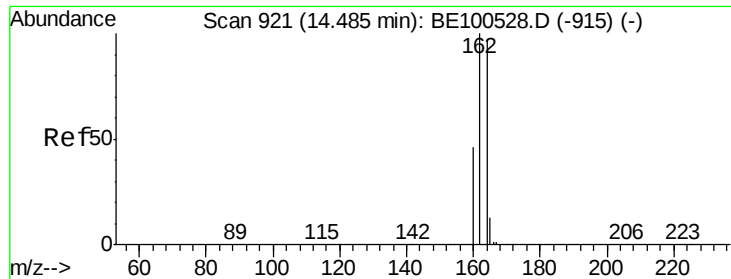
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#12
 2-Methylnaphthalene
 Concen: 0.318 ng
 RT: 12.31 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: BE100560.D
 Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.5	108.7
115	35.3	27.2	40.8





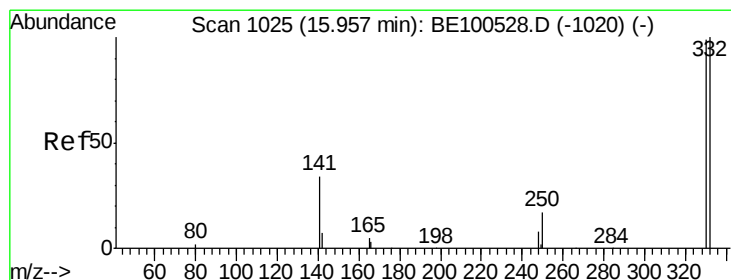
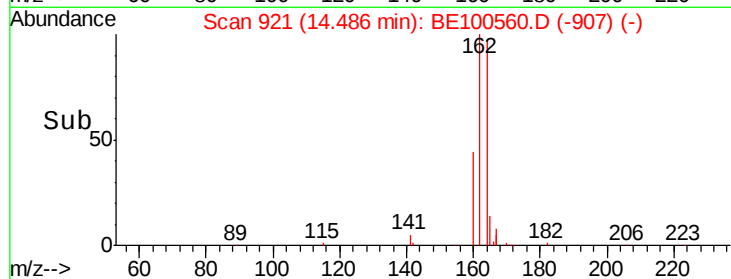
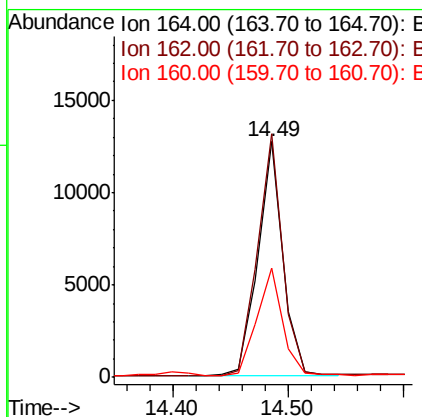
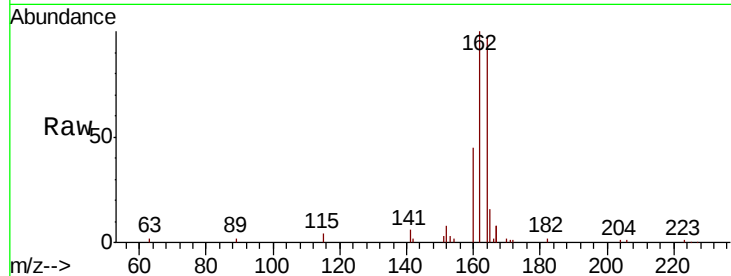
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-SW136-091819-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.1	123.1
160	46.3	37.6	56.4

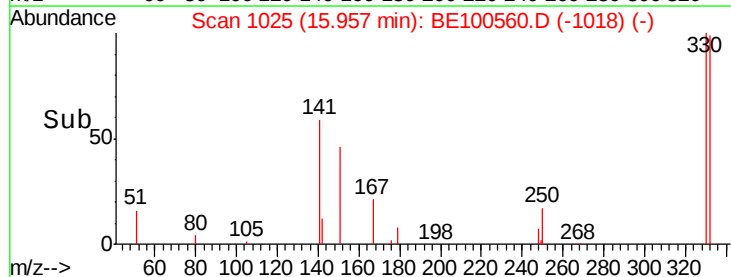
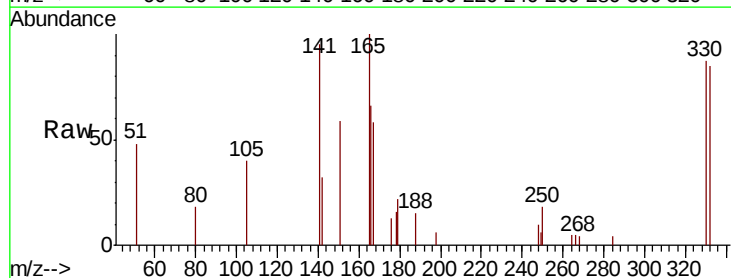
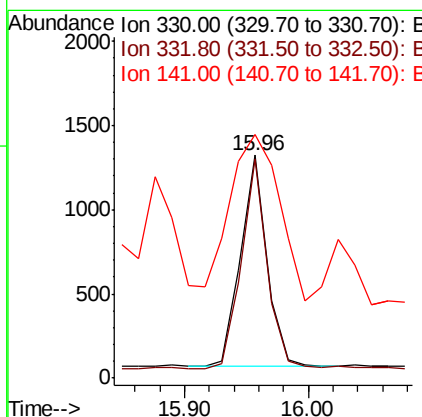
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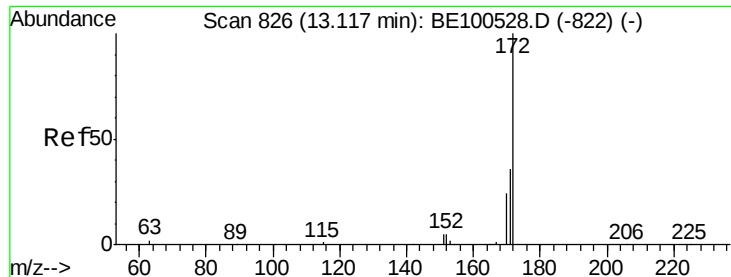
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#14
2,4,6-Tribromophenol
Concen: 0.608 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	75.5	113.3
141	146.0	42.3	63.5#





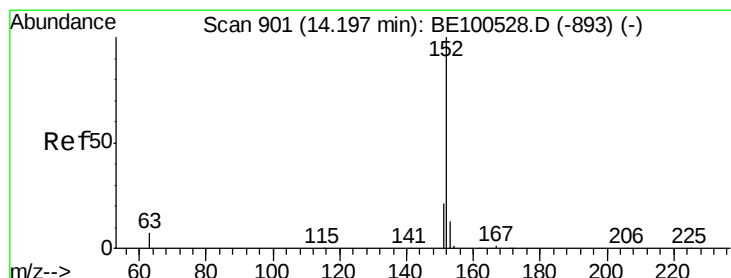
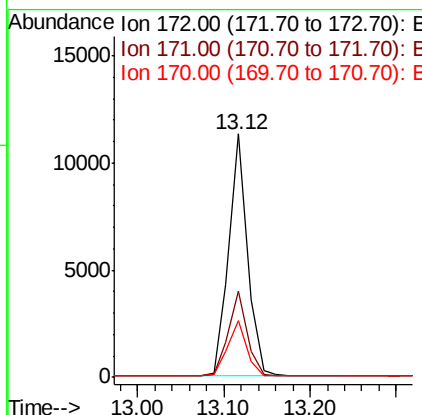
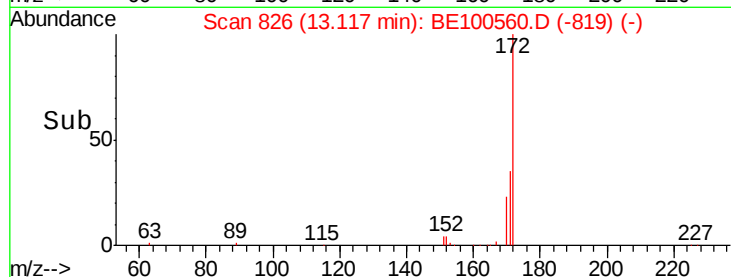
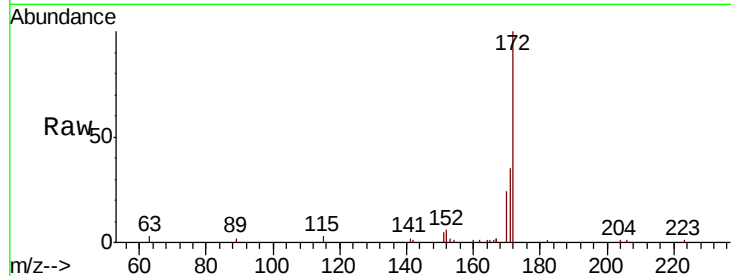
#15
2-Fluorobiphenyl
Concen: 0.253 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-SW136-091819-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.8	43.2
170	23.5	19.4	29.0

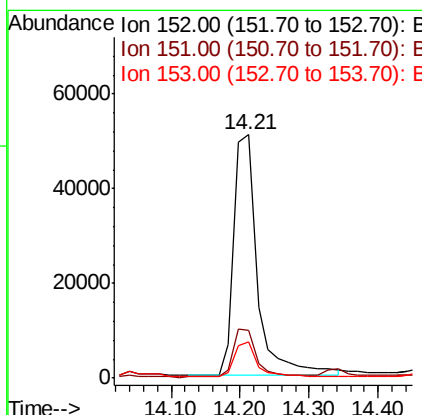
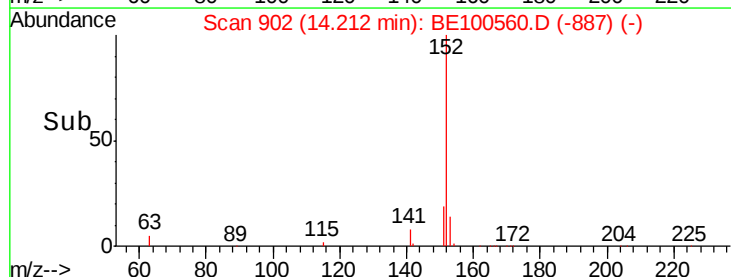
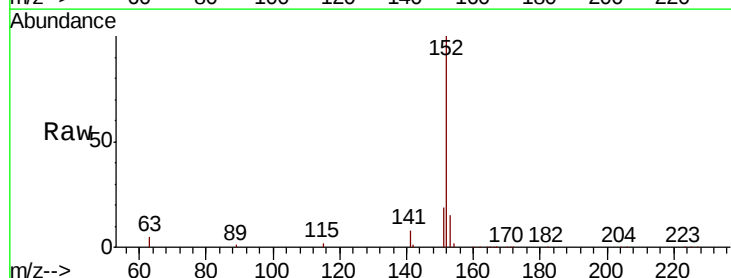
Manual Integrations
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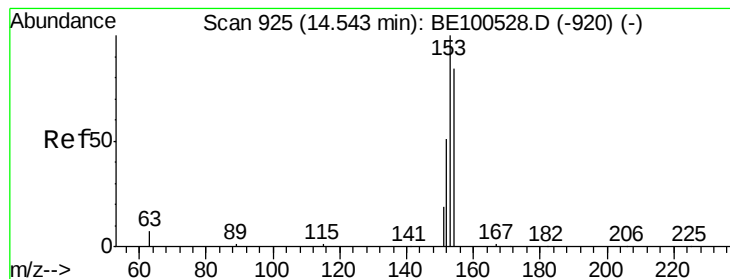
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#16
Acenaphthylene
Concen: 1.571 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.01 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	13.7	10.7	16.1





#17

Acenaphthene

Concen: 0.155 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE100560.D

Acq: 25 Sep 2019 17:16

Instrument :

BNA_E

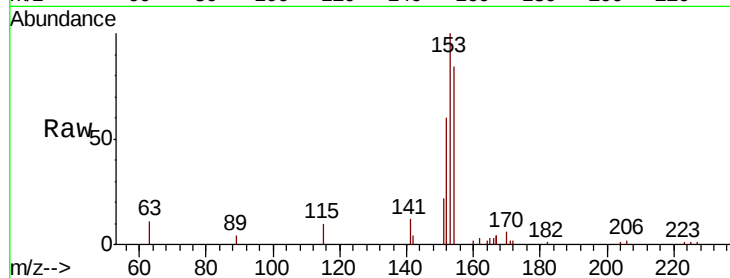
ClientSampleId :

EXT-SW136-091819-1

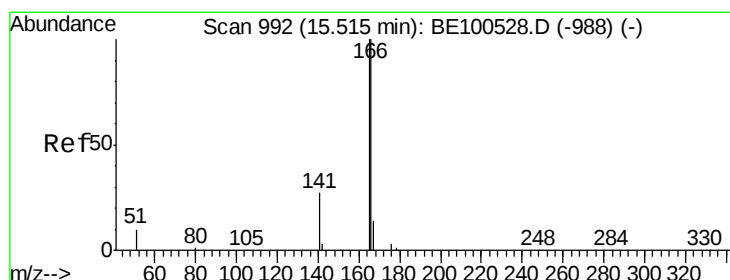
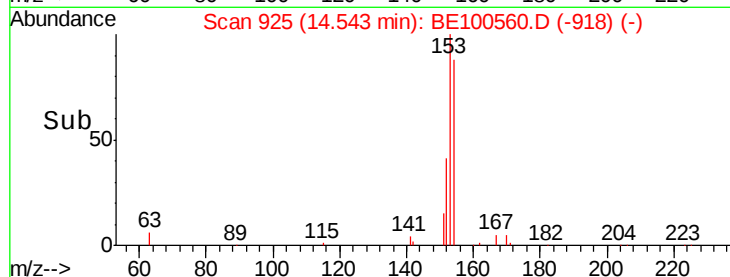
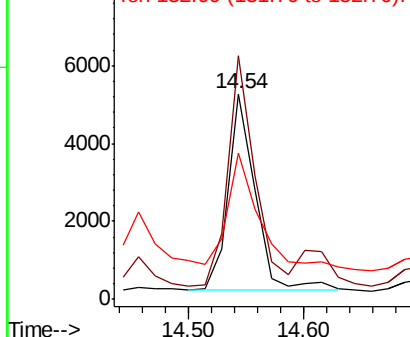
Tot Ion:	154	Resp:	8094
Ion Ratio	Lower	Upper	
154	100		
153	117.5	93.7	140.5
152	63.6	47.3	70.9

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: 0.471 ng

RT: 15.52 min Scan# 992

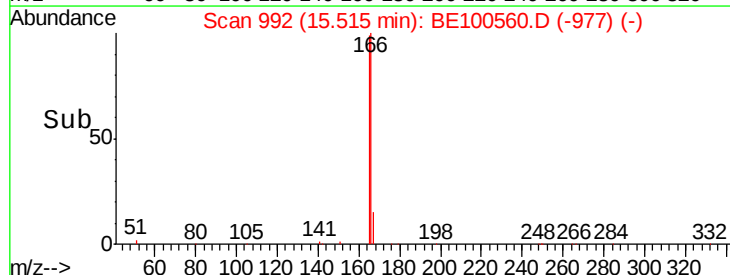
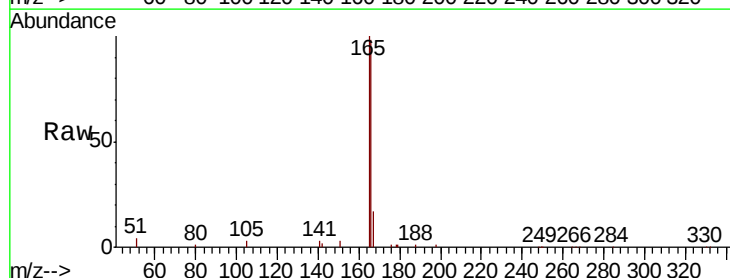
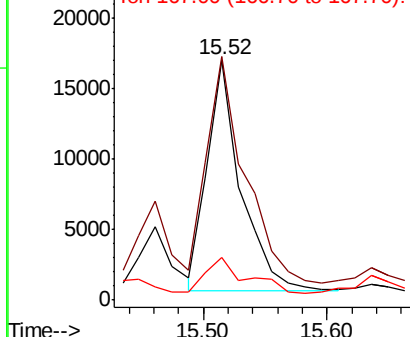
Delta R.T. -0.00 min

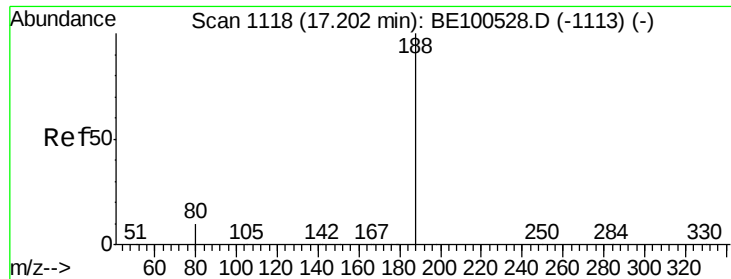
Lab File: BE100560.D

Acq: 25 Sep 2019 17:16

Tgt Ion:	166	Resp:	30848
Ion Ratio	Lower	Upper	
166	100		
165	110.6	80.1	120.1
167	19.0	10.9	16.3#

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





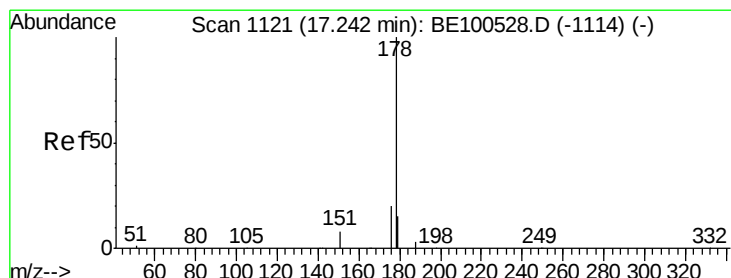
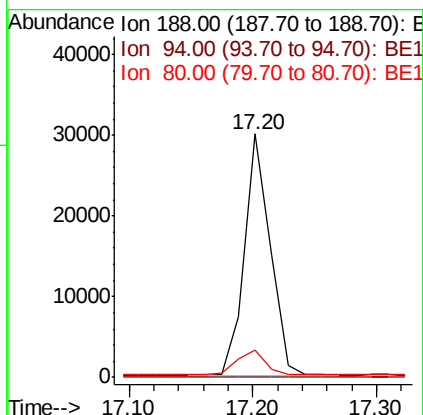
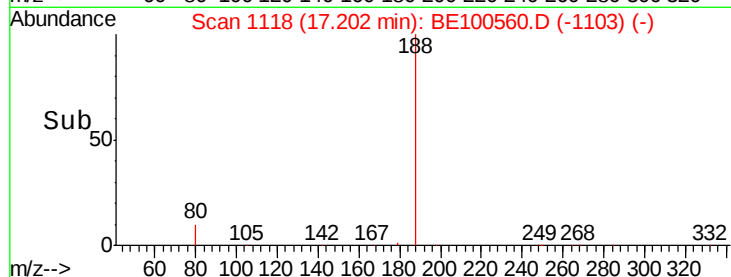
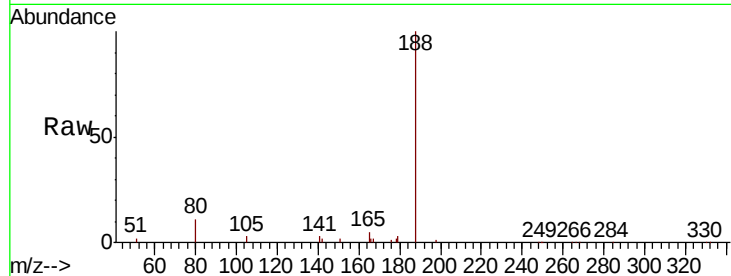
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-SW136-091819-1

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.2	8.0	12.0

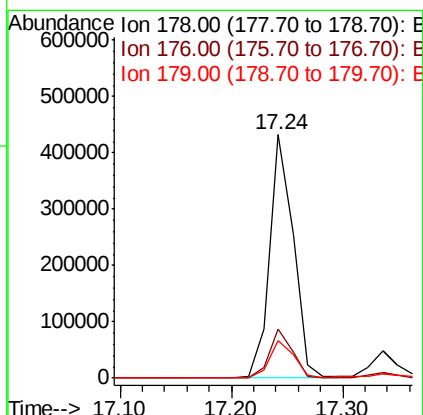
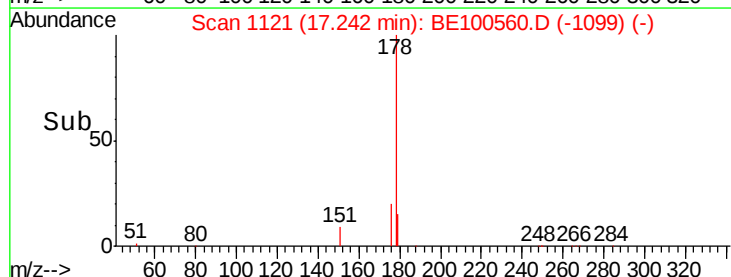
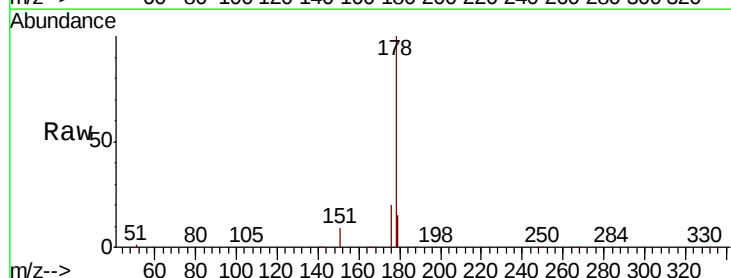
Manual Integrations
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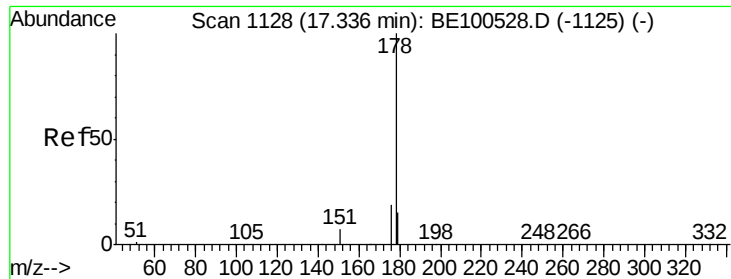
mohammad
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#23
Phenanthrene
Concen: 5.297 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.6	12.6	18.8





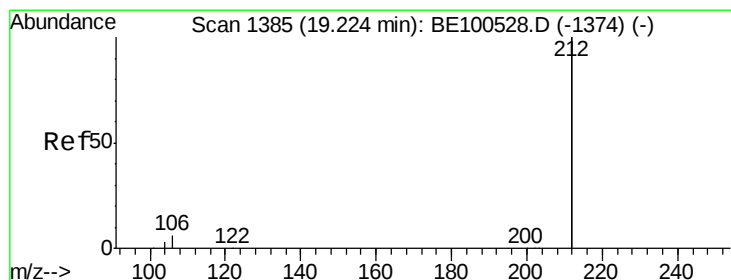
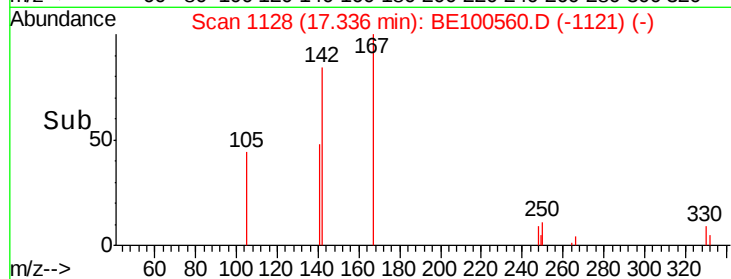
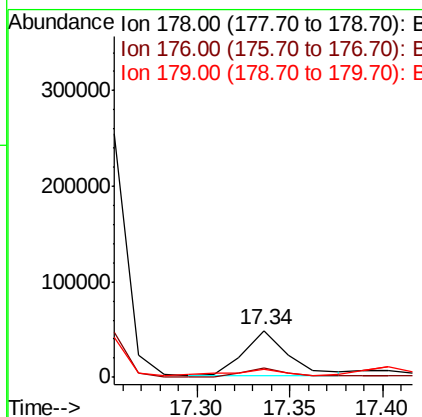
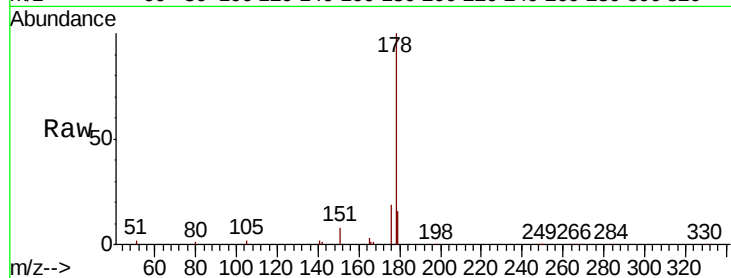
#24
 Anthracene
 Concen: 0.741 ng
 RT: 17.34 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: BE100560.D
 Acq: 25 Sep 2019 17:16

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW136-091819-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	17.8	12.2	18.4

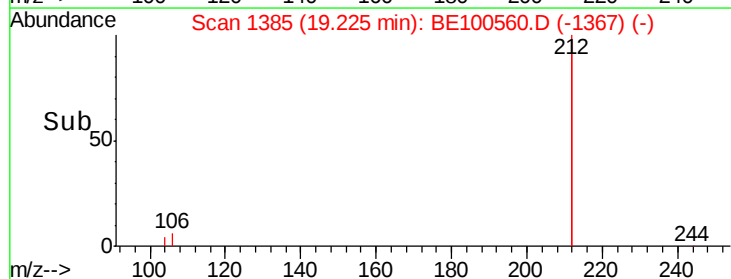
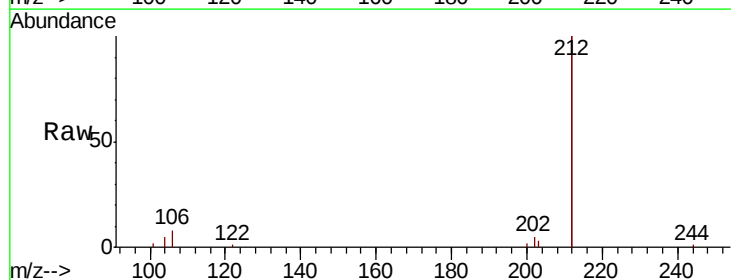
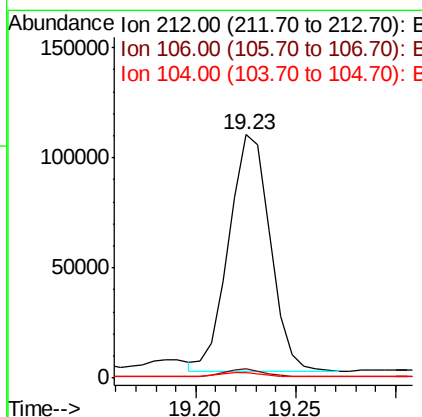
Manual Integrations
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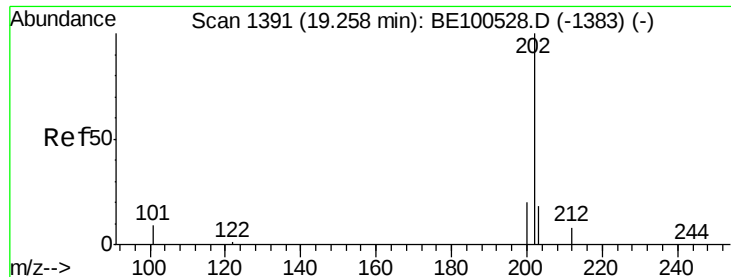
mohammad
 9/26/2019 3:55:50 PM



#25
 Fluoranthene-d10
 Concen: 0.295 ng
 RT: 19.23 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: BE100560.D
 Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.3	3.5
104	2.3	1.3	1.9#





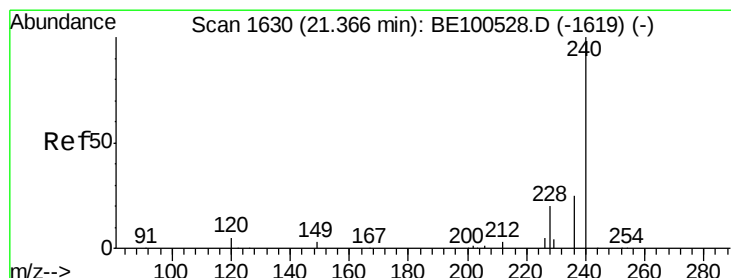
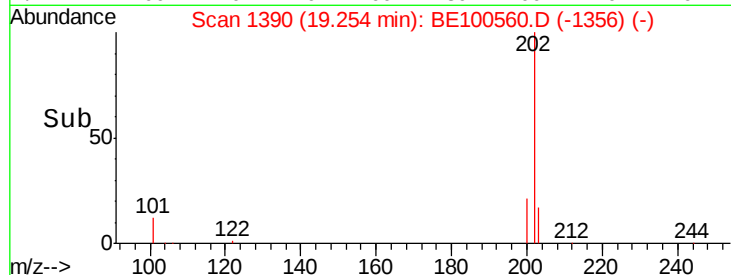
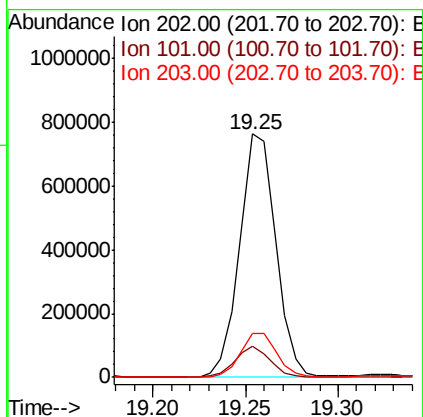
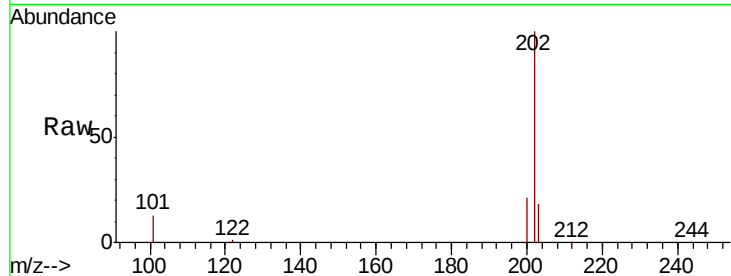
#26
Fluoranthene
Concen: 7.044 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.00 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-SW136-091819-1

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.1	8.8	13.2
203	18.0	13.7	20.5

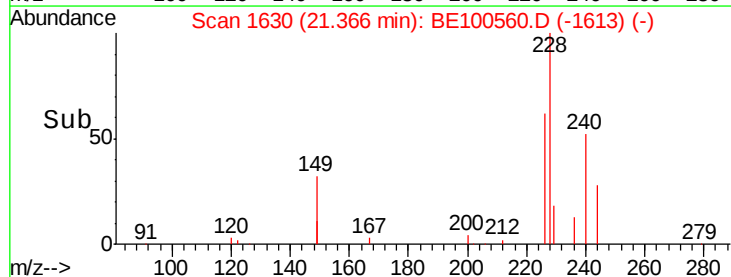
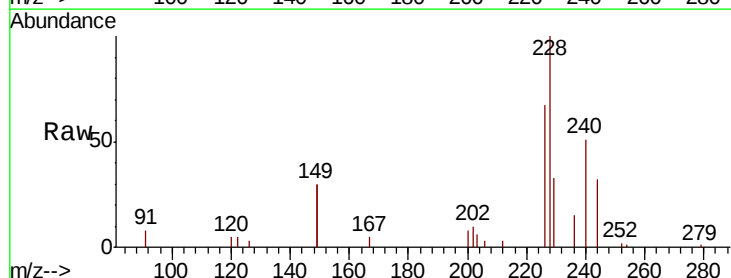
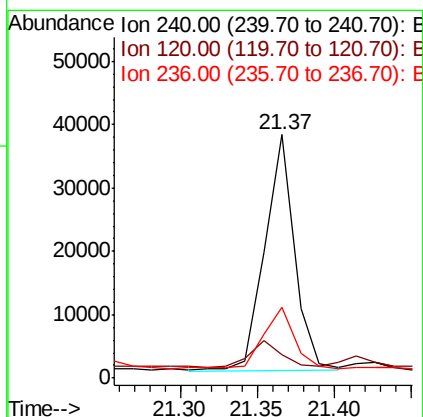
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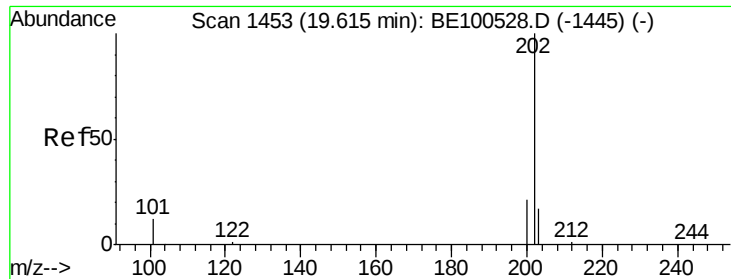
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.6	4.5	6.7#
236	29.2	20.6	30.8





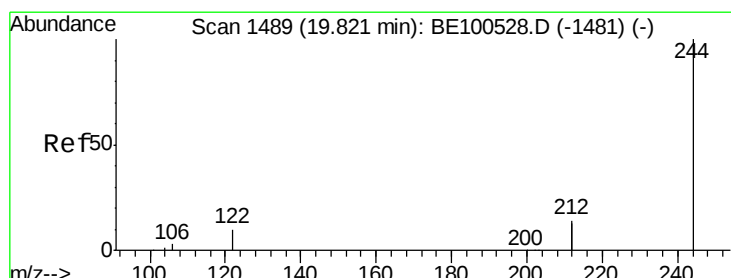
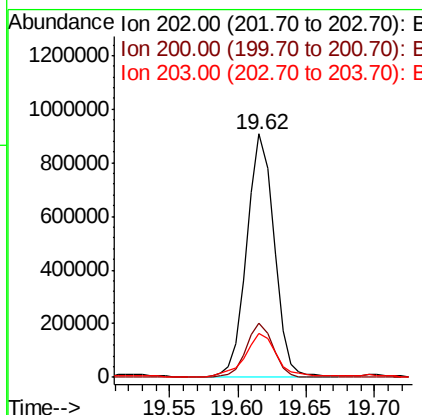
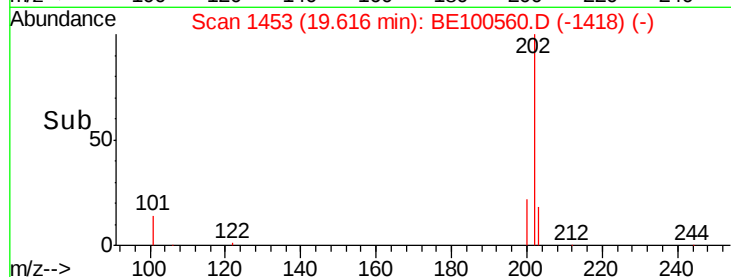
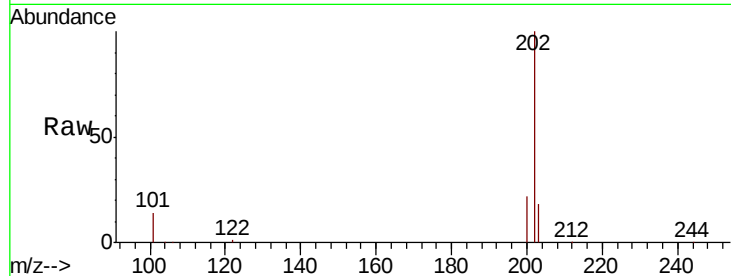
#28
Pvrene
Concen: 8.597 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-SW136-091819-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	25.0
203	20.6	14.0	21.0

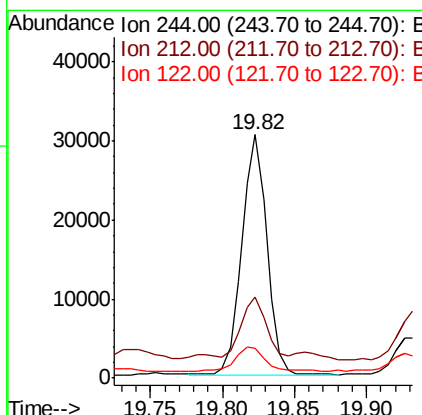
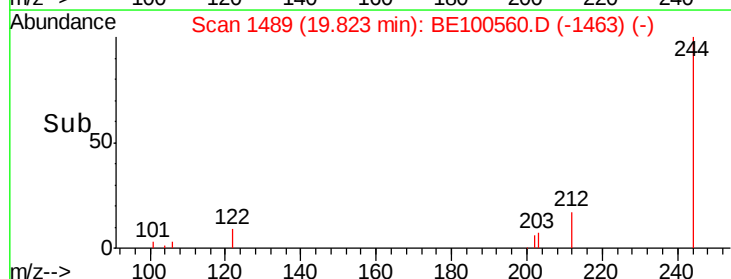
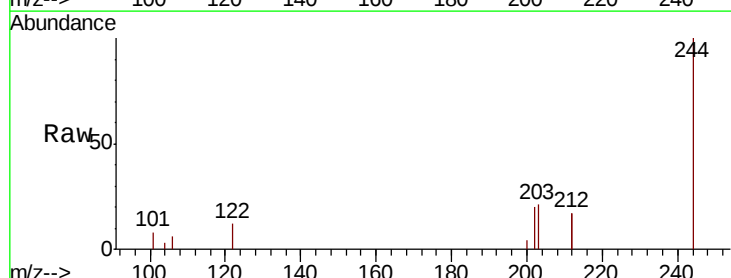
Manual Integrations
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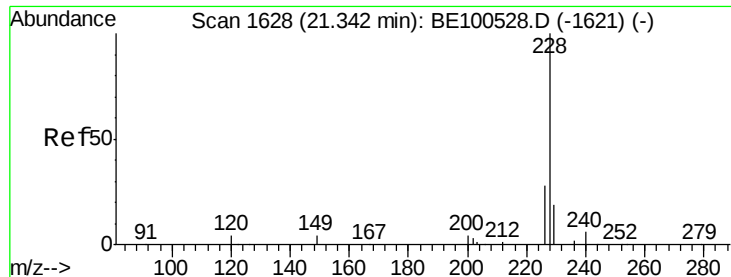
mohammad
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#29
Terphenyl-d14
Concen: 0.306 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	33.5	22.2	33.2#
122	12.1	8.3	12.5





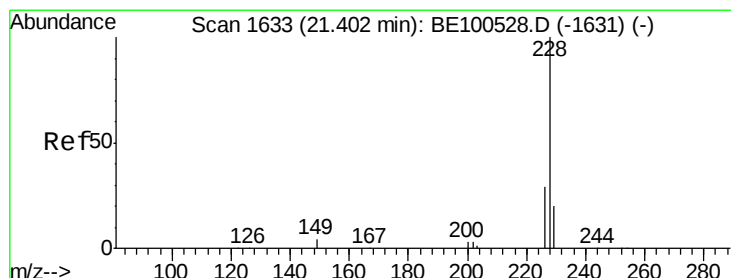
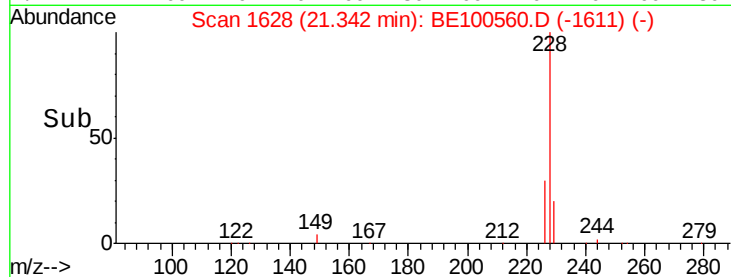
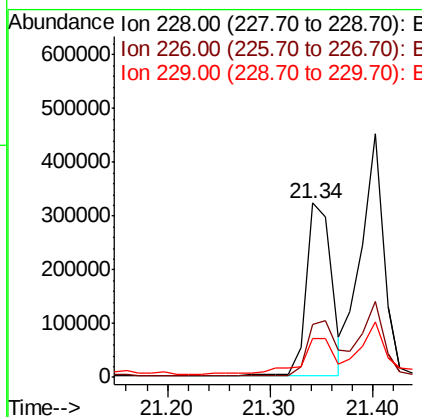
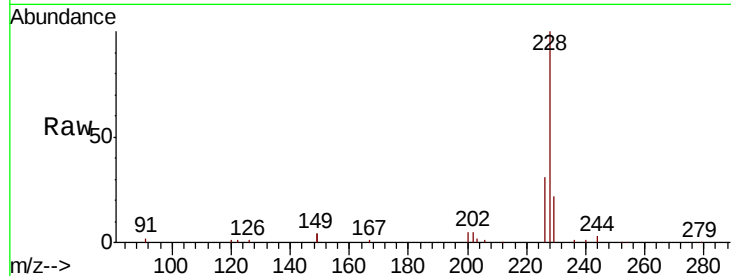
#30
Benzo(a)anthracene
Concen: 4.087 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-SW136-091819-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.5	33.7
229	22.3	15.4	23.2

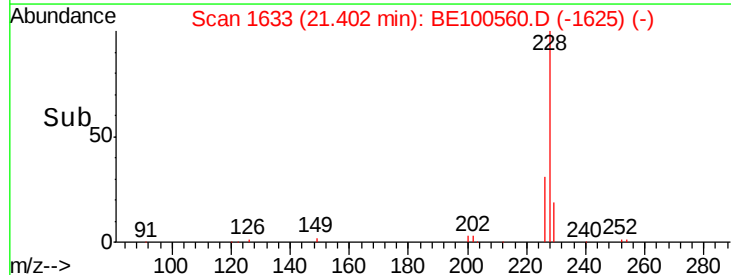
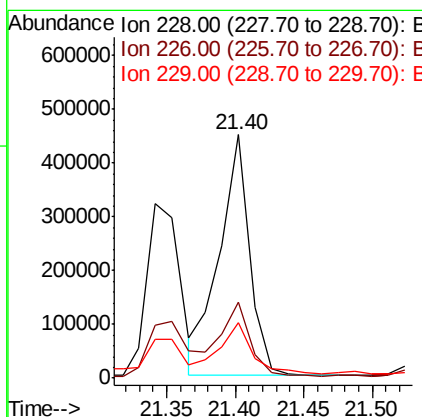
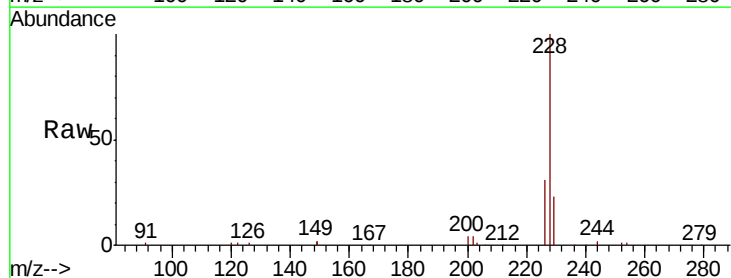
Manual Integrations
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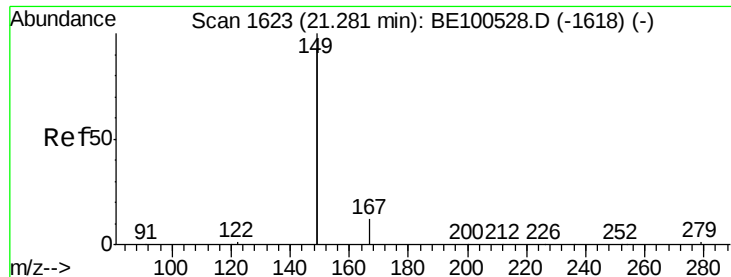
mohammad
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#31
Chrysene
Concen: 4.462 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.3	34.9
229	22.5	16.3	24.5





#32

Bis(2-ethylhexyl)phthalate

Concen: 4.895 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100560.D

Acq: 25 Sep 2019 17:16

Instrument :

BNA_E

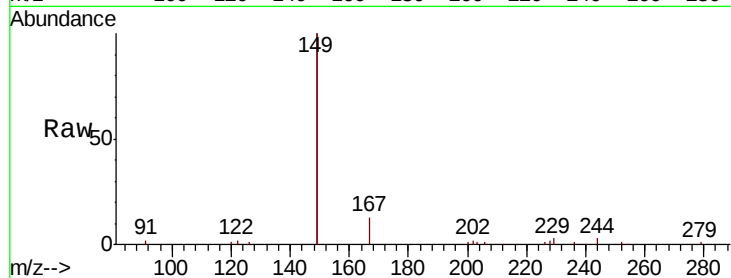
ClientSampleId :

EXT-SW136-091819-1

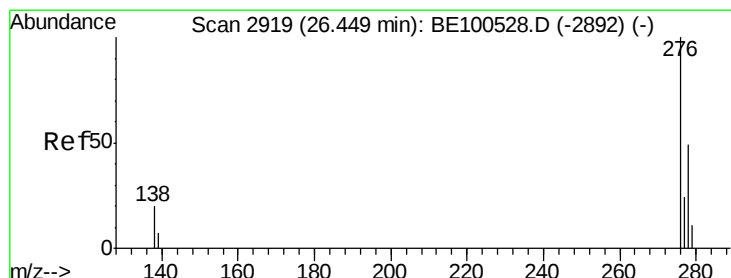
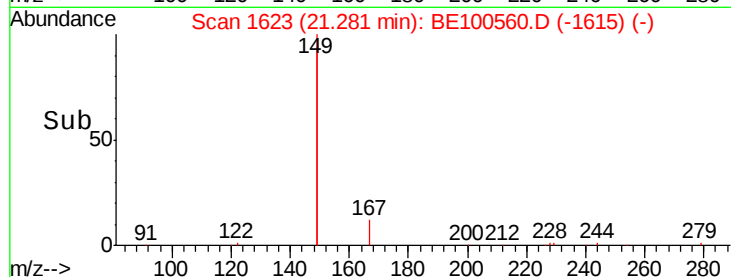
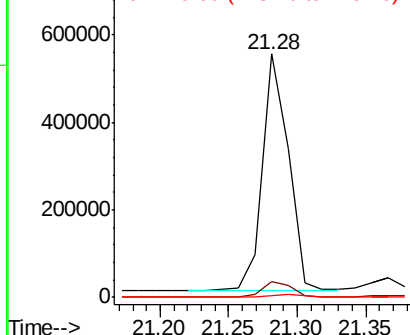
Tot Ion:	149	Resp:	710828
Ion Ratio	Lower	Upper	
149	100		
167	6.7	5.2	7.8
279	1.1	1.0	1.4

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 2.200 ng

RT: 26.45 min Scan# 2920

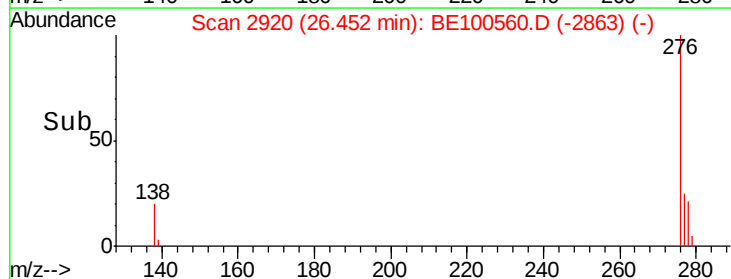
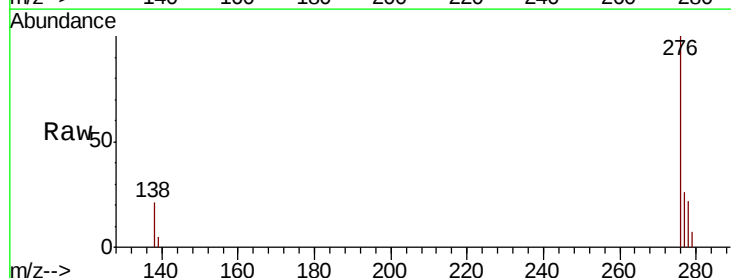
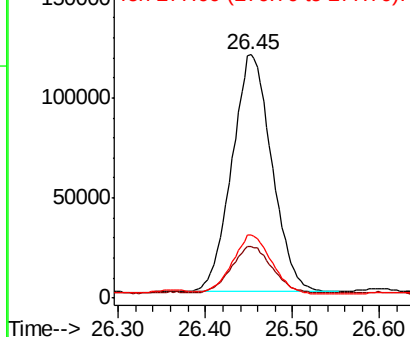
Delta R.T. 0.00 min

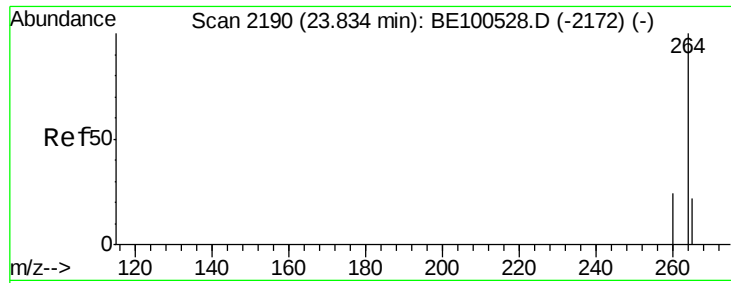
Lab File: BE100560.D

Acq: 25 Sep 2019 17:16

Tgt Ion:	276	Resp:	375496
Ion Ratio	Lower	Upper	
276	100		
138	20.3	17.7	26.5
277	25.2	19.9	29.9

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





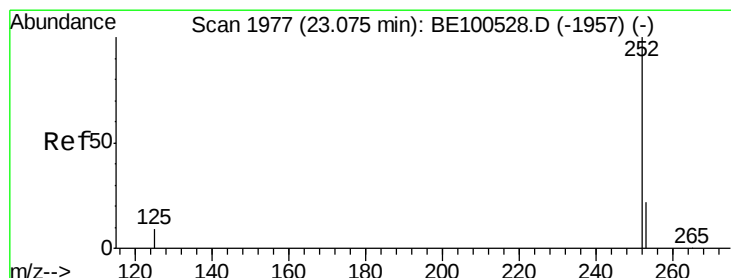
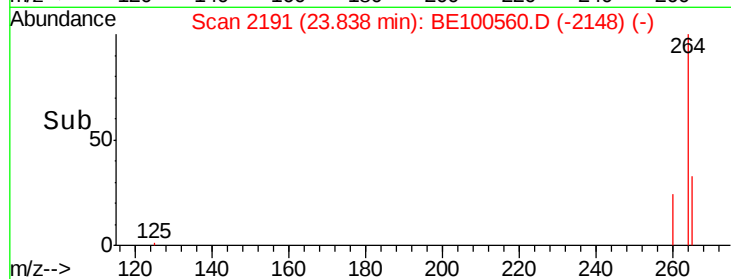
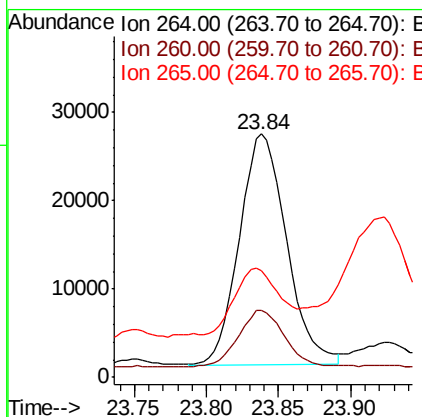
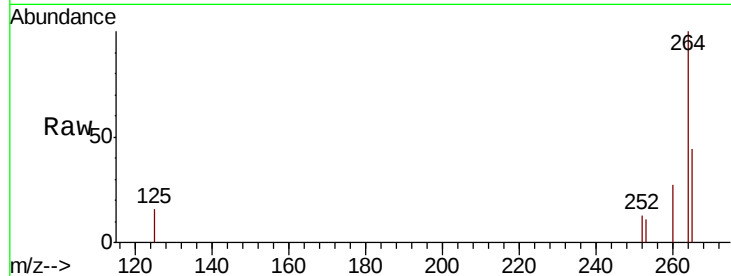
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.84 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-SW136-091819-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.4	19.6	29.4
265	43.6	21.8	32.8

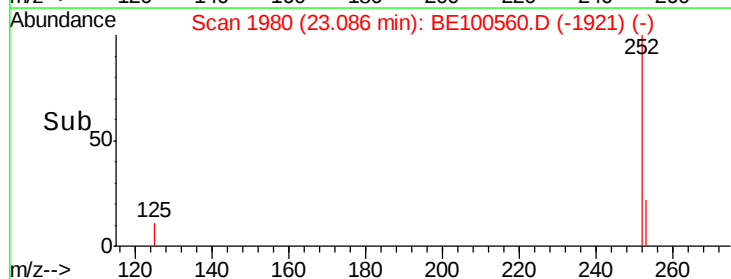
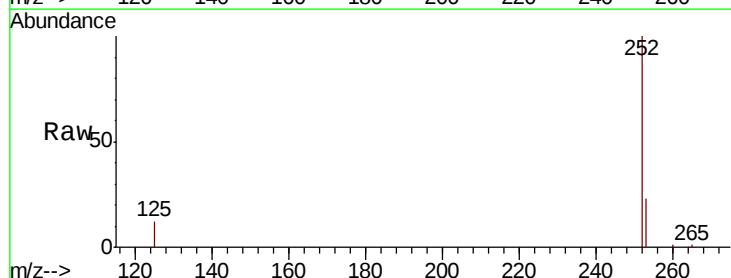
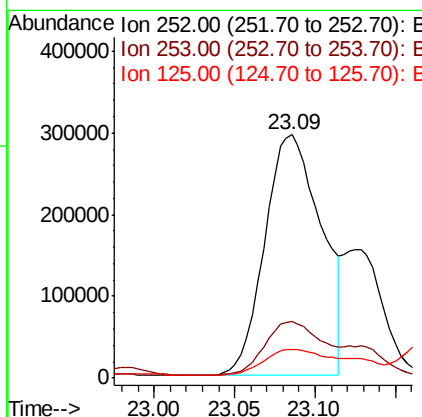
Manual Integrations
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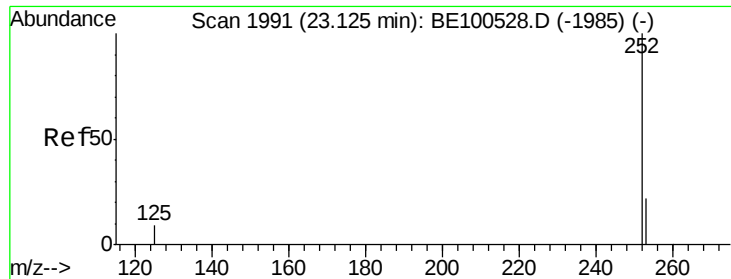
mohammad
9/26/2019 3:55:50 PM



#35
Benzo(b)fluoranthene
Concen: 4.578 ng
RT: 23.09 min Scan# 1980
Delta R.T. 0.01 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	12.0	8.0	12.0





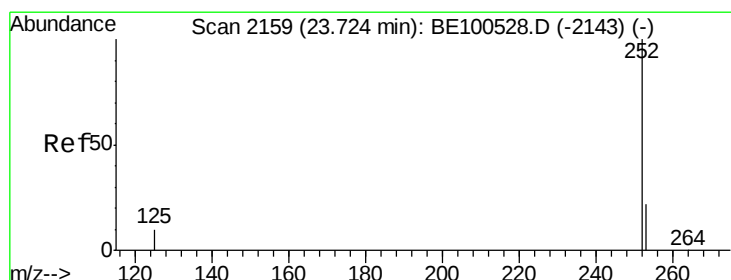
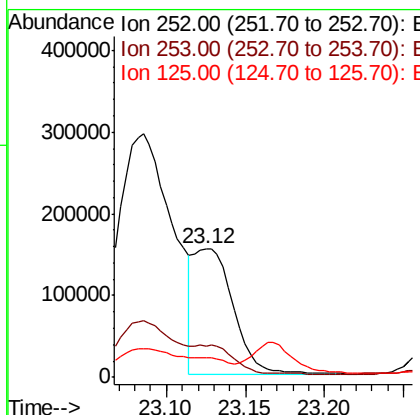
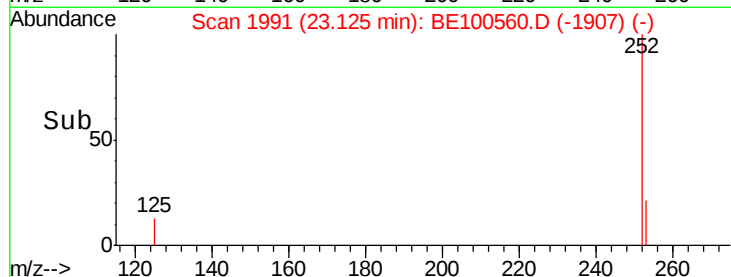
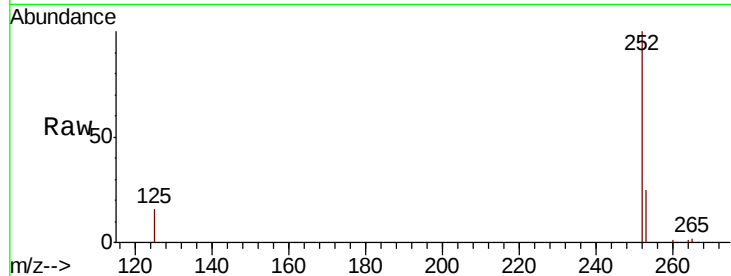
#36
Benzo(k)fluoranthene
Concen: 1.472 ng m
RT: 23.12 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-SW136-091819-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	15.6	8.5	12.7

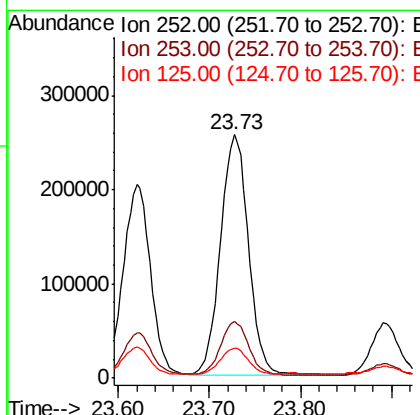
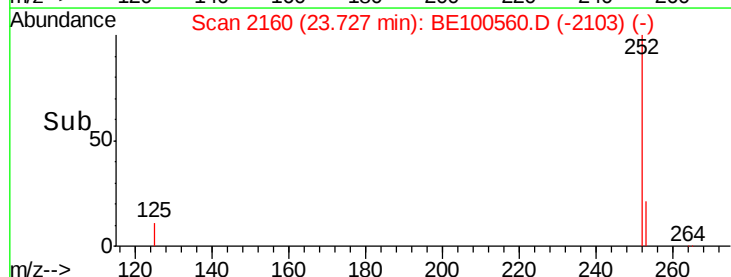
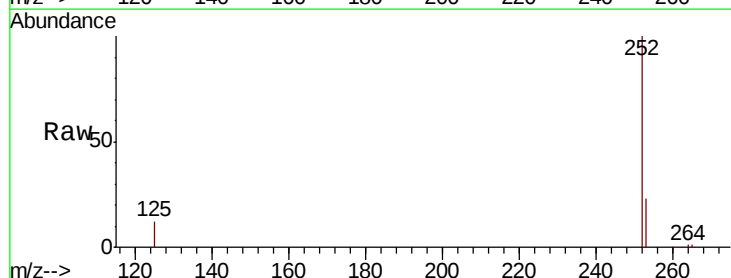
Manual Integrations
APPROVED

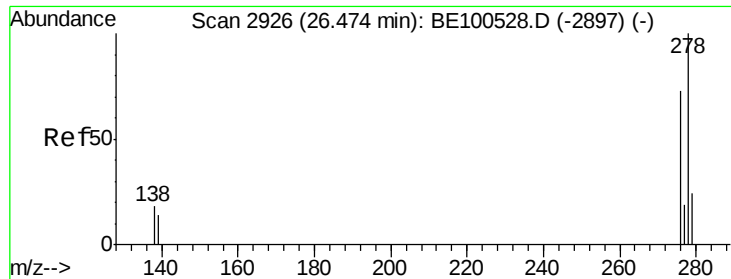
mohammad
9/26/2019 3:55:50 PM



#37
Benzo(a)pyrene
Concen: 3.686 ng
RT: 23.73 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	12.3	9.2	13.8





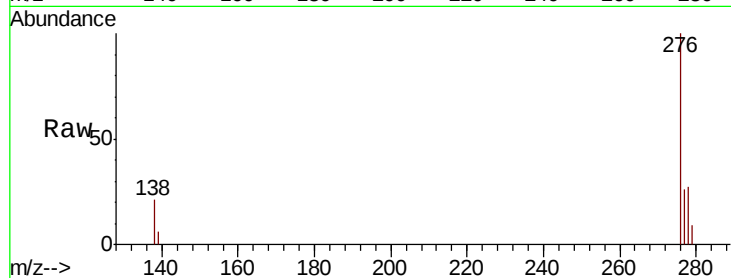
#38
Dibenzo(a,h)anthracene
Concen: 0.672 ng
RT: 26.46 min Scan# 2923
Delta R.T. -0.01 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_E
ClientSampleId :
EXT-SW136-091819-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.2	11.6	17.4#
279	31.3	19.7	29.5#

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:50 PM

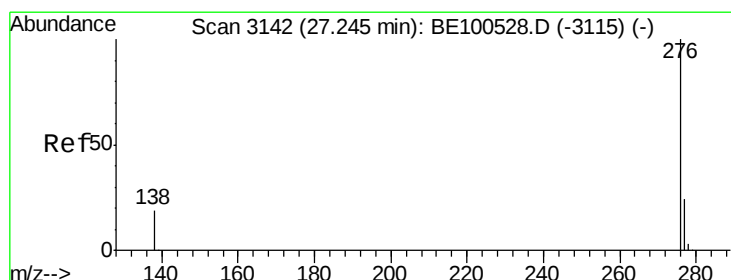
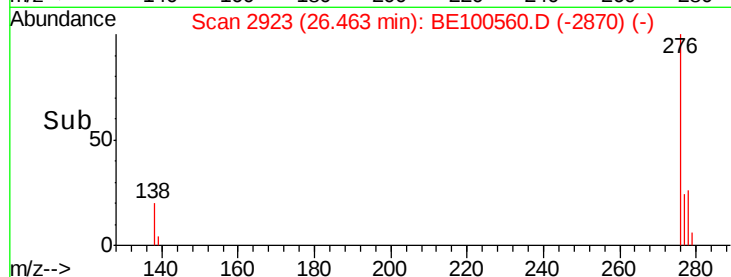
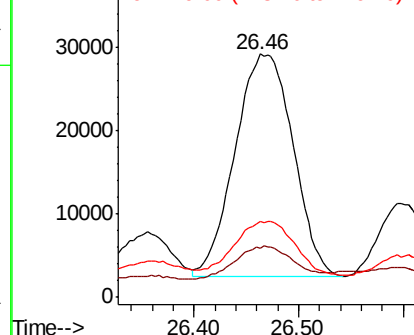


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39
Benzo(g,h,i)perylene
Concen: 2.563 ng
RT: 27.26 min Scan# 3147
Delta R.T. 0.02 min
Lab File: BE100560.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.2	28.8
138	21.3	15.7	23.5

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

