

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE012220\
 Data File : BE101116.D
 Acq On : 22 Jan 2020 14:33
 Operator : CG/JU
 Sample : L1148-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-29-(4-6)

Manual Integrations
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Quant Time: Jan 23 04:29:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 18:36:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	2392	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	10667	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	7549	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	18608	0.40	ng	0.00
27) Chrysene-d12	21.27	240	20456	0.40	ng	-0.01
34) Perylene-d12	23.70	264	24351	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	1876	0.35	ng	0.00
5) Phenol-d6	6.91	99	2486	0.36	ng	-0.01
8) Nitrobenzene-d5	8.89	82	1893	0.25	ng	0.01
11) 2-Methylnaphthalene-d10	12.11	152	4943	0.24	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	394	0.18	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	7931	0.28	ng	-0.01
25) Fluoranthene-d10	19.12	212	66973	0.26	ng	-0.01
29) Terphenyl-d14	19.72	244	17097	0.34	ng	-0.01

Target Compounds				Qvalue		
9) Naphthalene	10.55	128	26258	0.222	ng	99
12) 2-Methylnaphthalene	12.18	142	1543	0.086	ng	# 92
16) Acenaphthylene	14.08	152	4047	0.132	ng	99
17) Acenaphthene	14.41	154	846	0.038	ng	94
18) Fluorene	15.39	166	3181	0.114	ng	96
23) Phenanthrene	17.13	178	26695	0.525	ng	98
24) Anthracene	17.23	178	7229m	0.151	ng	
26) Fluoranthene	19.15	202	41458	0.652	ng	99
28) Pyrene	19.51	202	45473	0.597	ng	98
30) Benzo(a)anthracene	21.26	228	25962	0.445	ng	92
31) Chrysene	21.31	228	27090	0.312	ng	95
32) Bis(2-ethylhexyl)phthalate	21.20	149	23109	0.238	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.25	276	18701	0.273	ng	98
35) Benzo(b)fluoranthene	22.96	252	36221m	0.530	ng	
36) Benzo(k)fluoranthene	23.00	252	16289m	0.165	ng	
37) Benzo(a)pyrene	23.59	252	24046	0.364	ng	98
38) Dibenzo(a,h)anthracene	26.26	278	4088	0.067	ng	# 73
39) Benzo(a,h,i)perylene	27.02	276	20812	0.279	ng	97

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

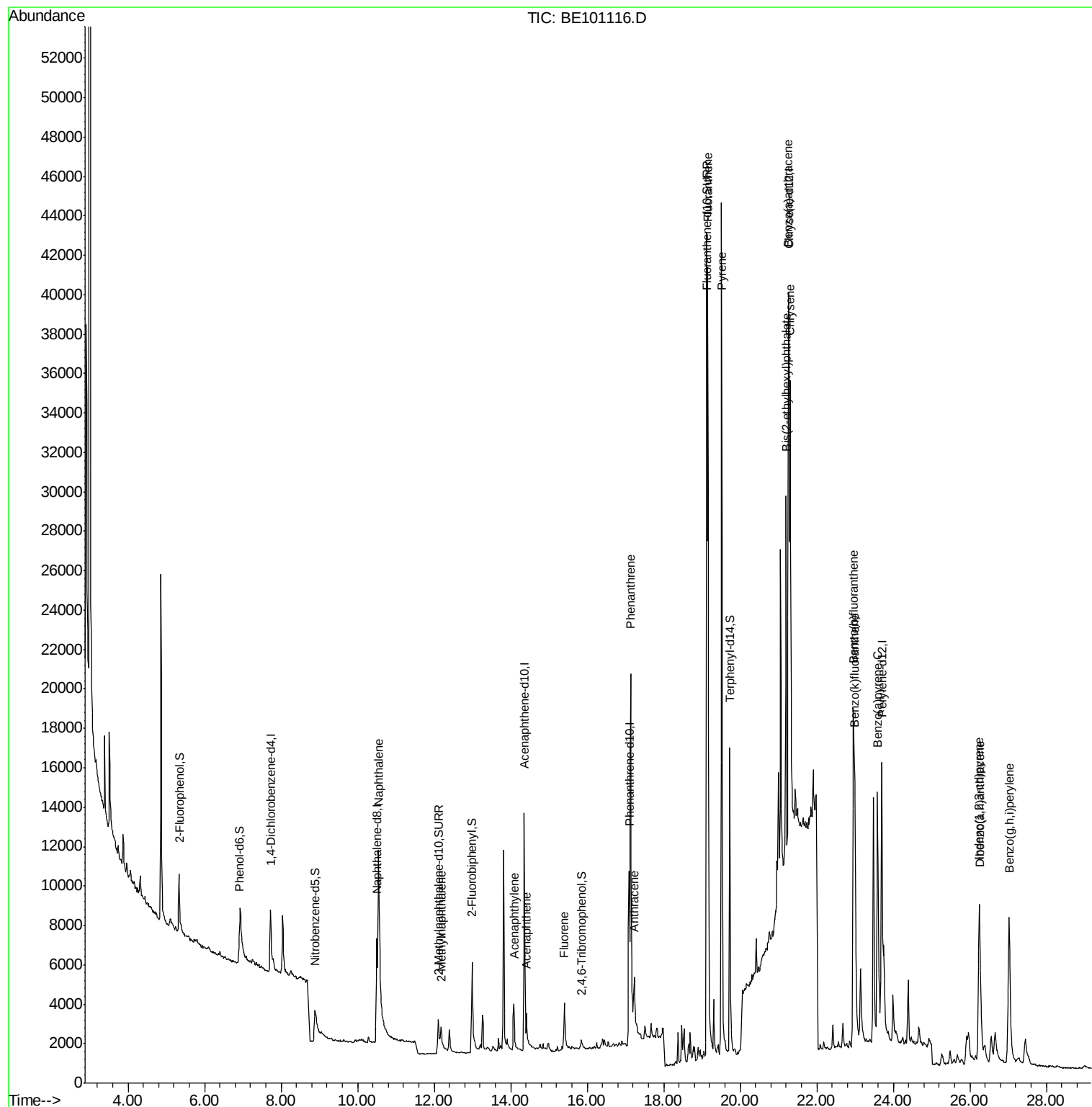
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE012220\
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Misc :
ALS Vial : 4 Sample Multiplier: 1

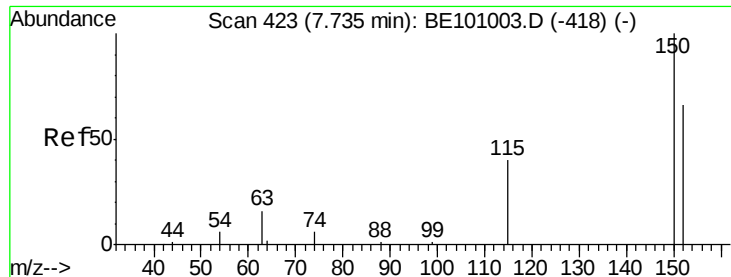
Instrument :
BNA_E
ClientSampleId :
SB-29-(4-6)

Quant Time: Jan 23 04:29:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
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QLast Update : Wed Jan 08 18:36:25 2020
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#1

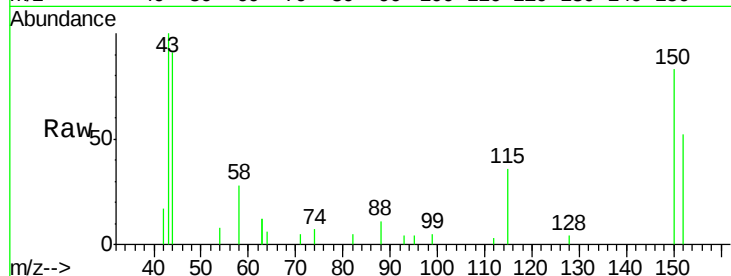
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Instrument :
BNA_E
ClientSampleId :
SB-29-(4-6)

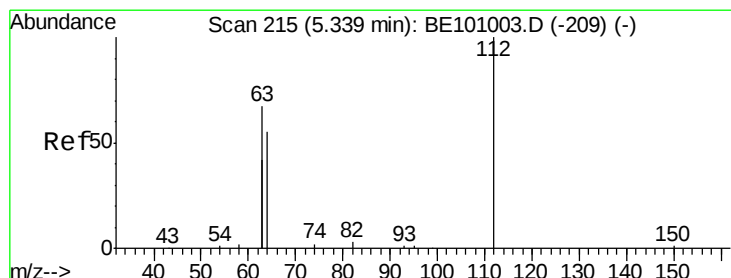
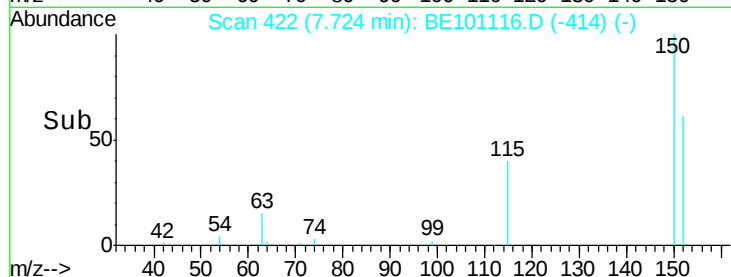
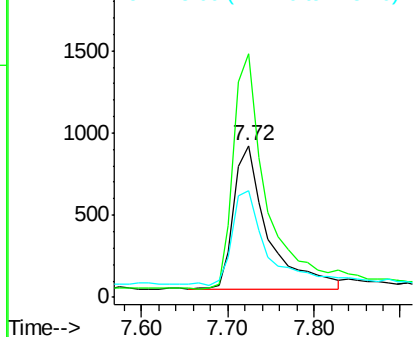
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	120.3	180.5
115	70.2	51.7	77.5

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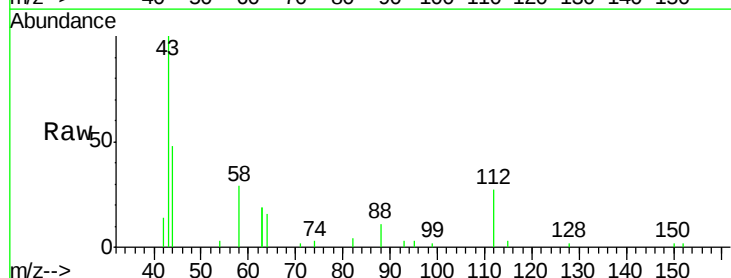
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



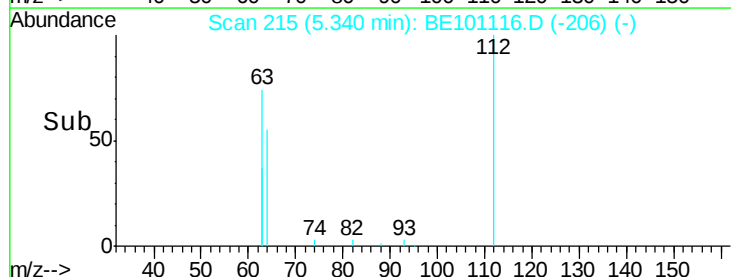
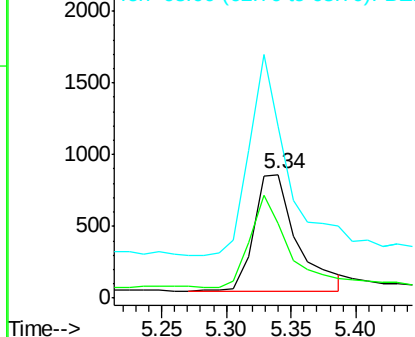
#4

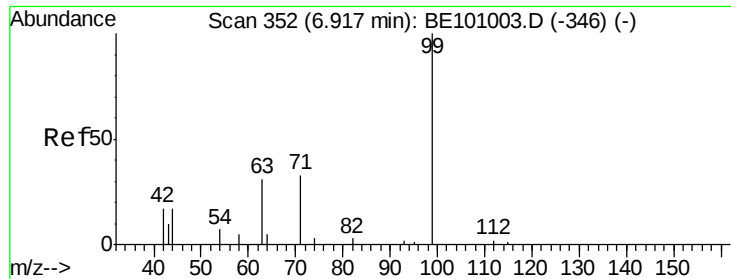
2-Fluorophenol
Concen: 0.348 ng
RT: 5.34 min Scan# 215
Delta R.T. 0.00 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	53.6	80.4
63	155.4	114.6	172.0



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: 0.365 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101116.D

Acq: 22 Jan 2020 14:33

Instrument :

BNA_E

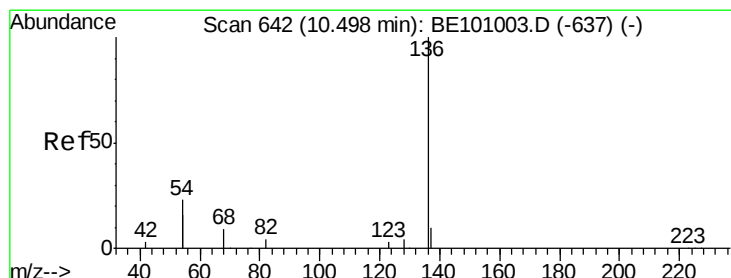
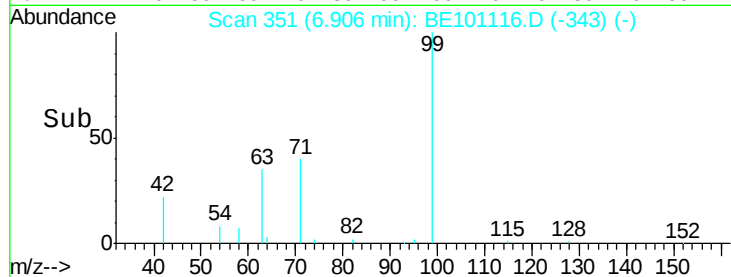
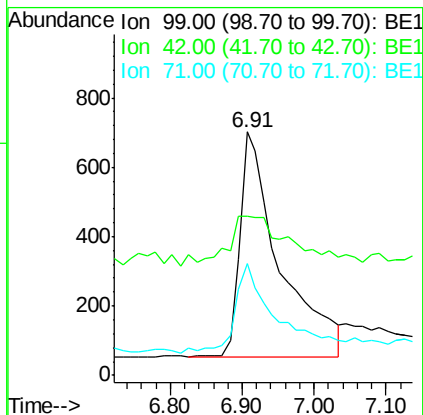
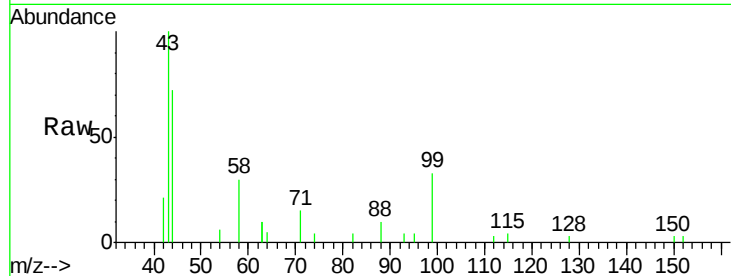
ClientSampleId :

SB-29-(4-6)

Tot Ion:	99	Resp:	2486
Ion Ratio	Lower	Upper	
99	100		
42	29.3	18.3	27.5#
71	37.2	28.0	42.0

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#7

Naphthalene-d8

Concen: 0.400 ng

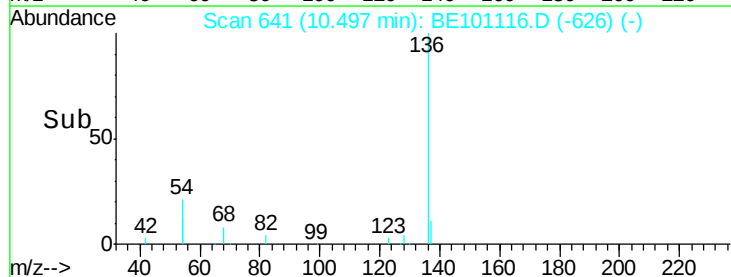
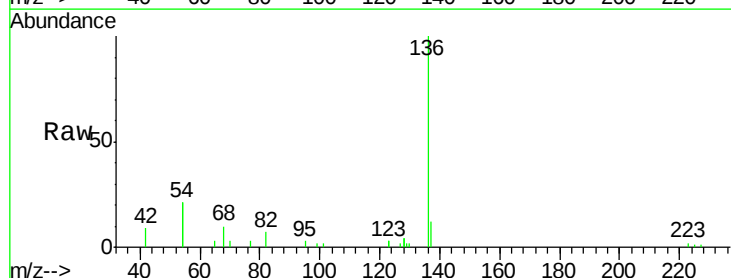
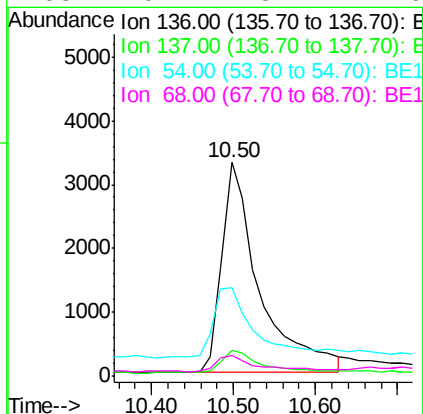
RT: 10.50 min Scan# 641

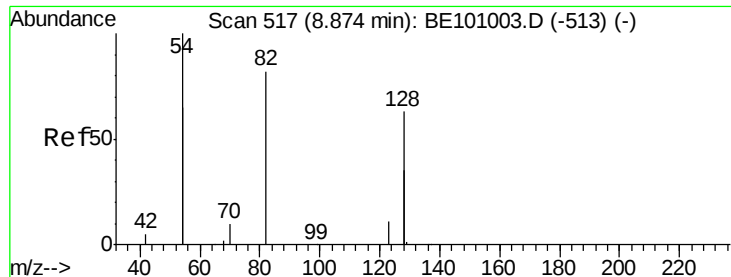
Delta R.T. -0.00 min

Lab File: BE101116.D

Acq: 22 Jan 2020 14:33

Tgt Ion:	136	Resp:	10667
Ion Ratio	Lower	Upper	
136	100		
137	12.1	9.3	13.9
54	41.5	36.8	55.2
68	9.7	8.4	12.6





#8

Nitrobenzene-d5

Concen: 0.248 ng

RT: 8.89 min Scan# 517

Delta R.T. 0.01 min

Lab File: BE101116.D

Acq: 22 Jan 2020 14:33

Instrument :

BNA_E

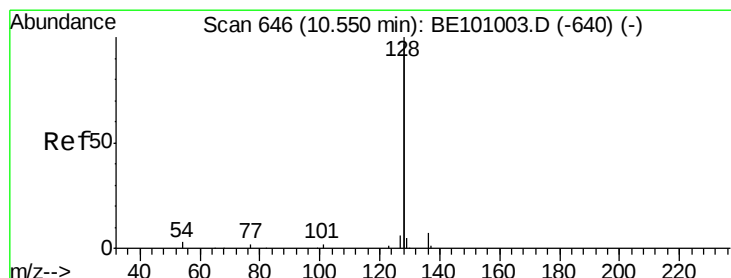
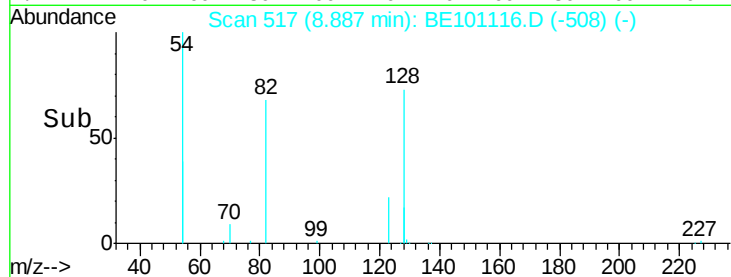
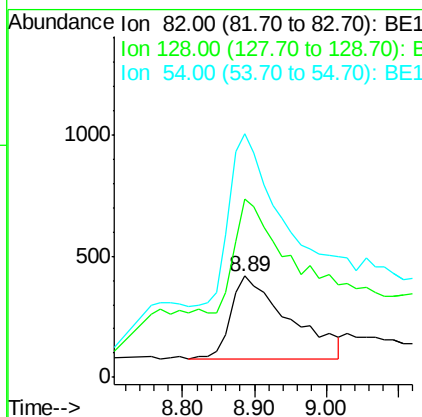
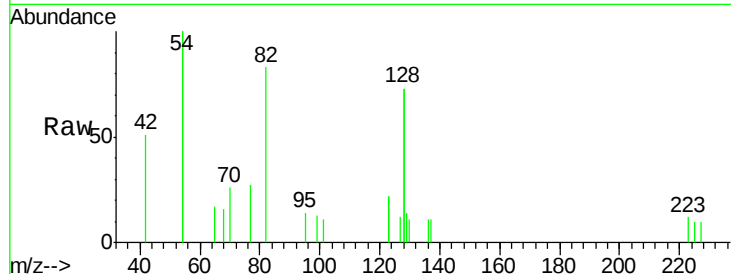
ClientSampleId :

SB-29-(4-6)

Tot Ion:	82	Resp:	1893
Ion	Ratio	Lower	Upper
82	100		
128	176.0	109.8	164.6#
54	240.8	174.5	261.7

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#9

Naphthalene

Concen: 0.222 ng

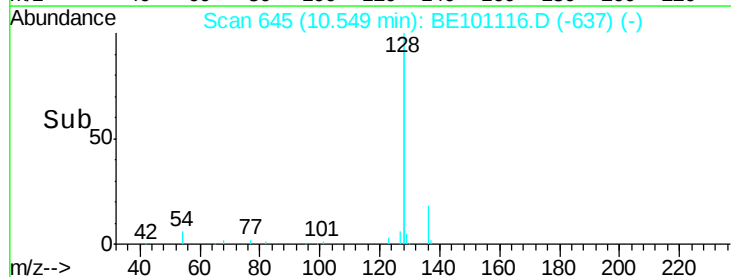
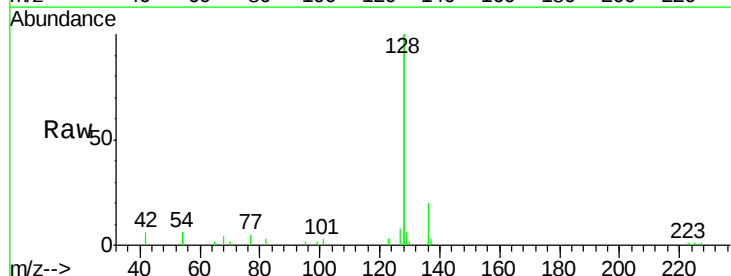
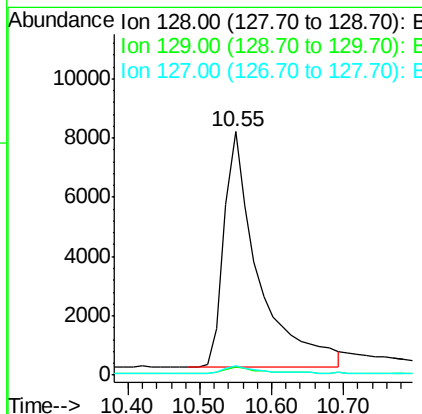
RT: 10.55 min Scan# 645

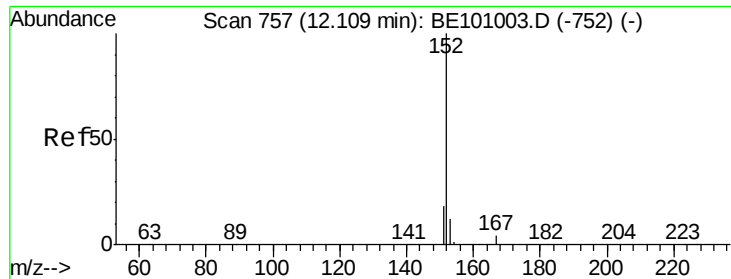
Delta R.T. -0.00 min

Lab File: BE101116.D

Acq: 22 Jan 2020 14:33

Tgt Ion:	128	Resp:	26258
Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.3	3.5
127	3.9	2.7	4.1





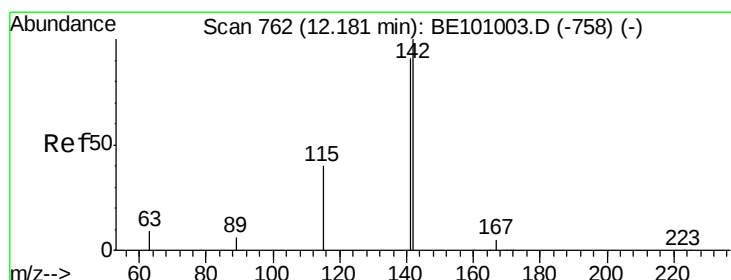
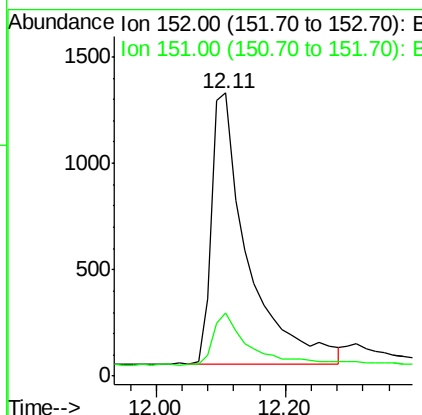
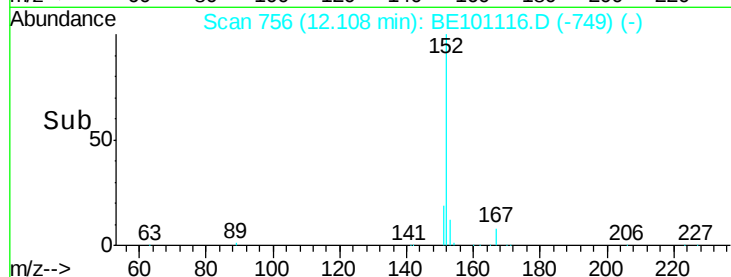
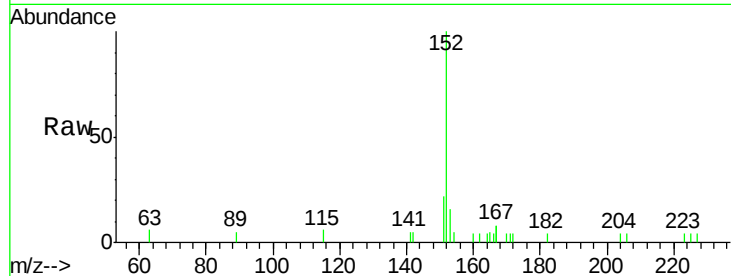
#11
2-Methylnaphthalene-d10
Concen: 0.243 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.00 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Instrument :
BNA_E
ClientSampleId :
SB-29-(4-6)

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.0	22.6

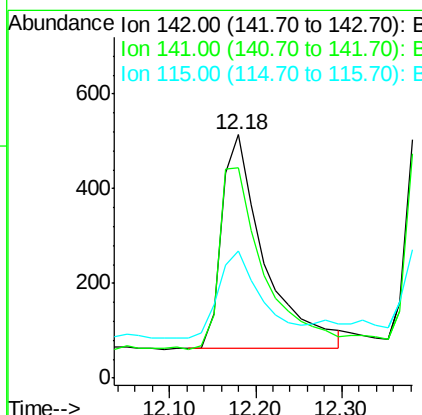
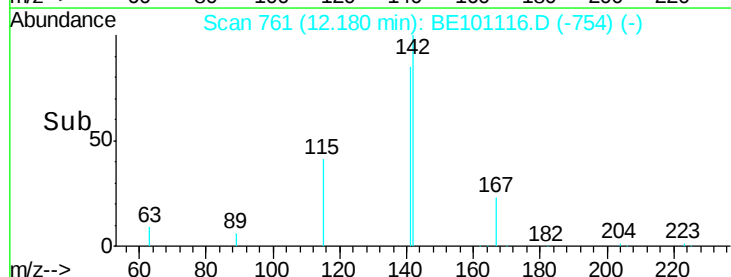
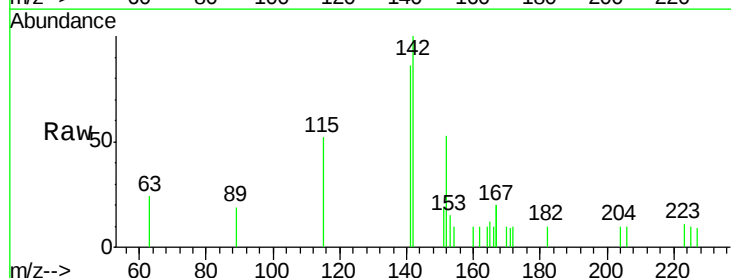
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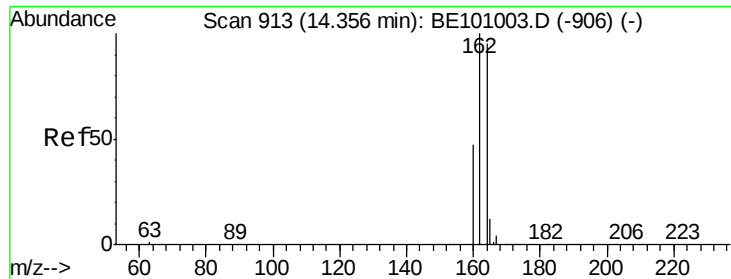
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#12
2-Methylnaphthalene
Concen: 0.086 ng
RT: 12.18 min Scan# 761
Delta R.T. -0.00 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.4	72.5	108.7
115	52.1	33.0	49.6#





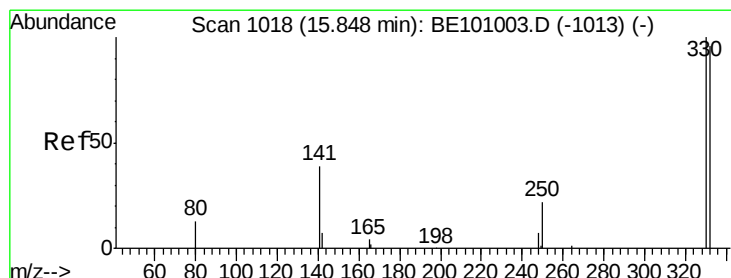
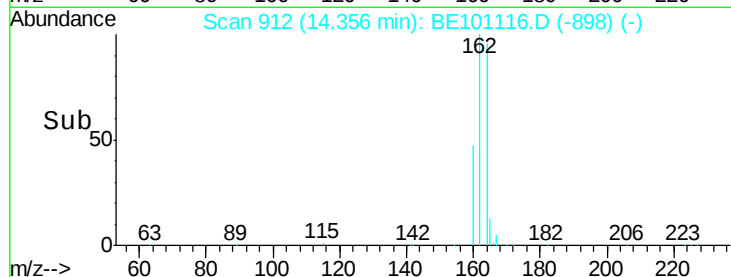
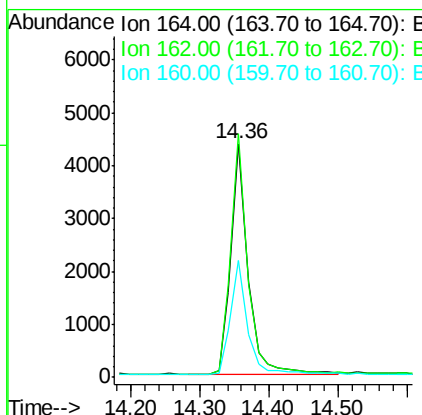
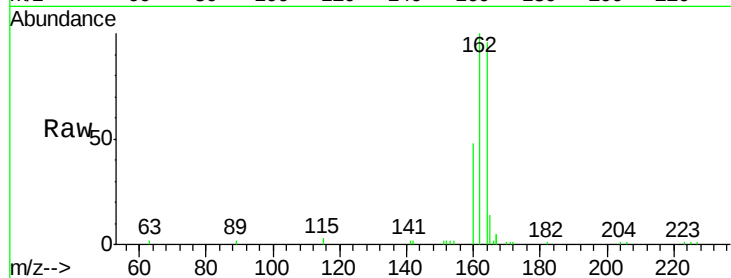
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Instrument :
BNA_E
ClientSampleId :
SB-29-(4-6)

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.3	84.1	126.1
160	49.8	40.4	60.6

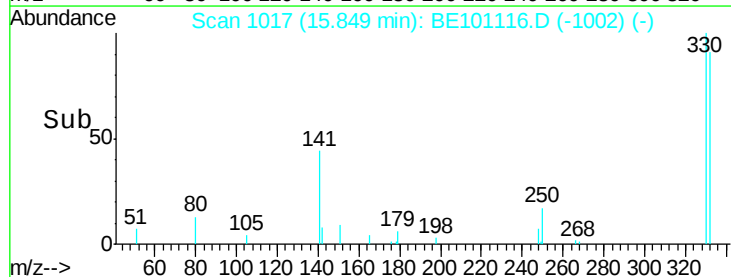
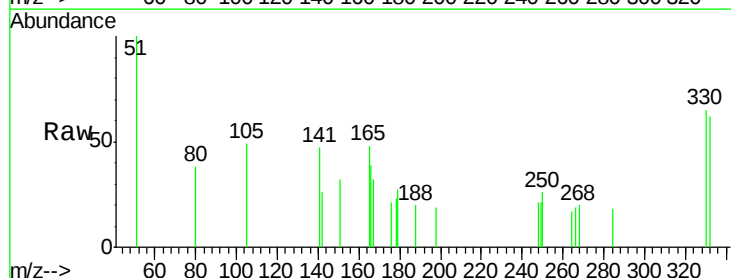
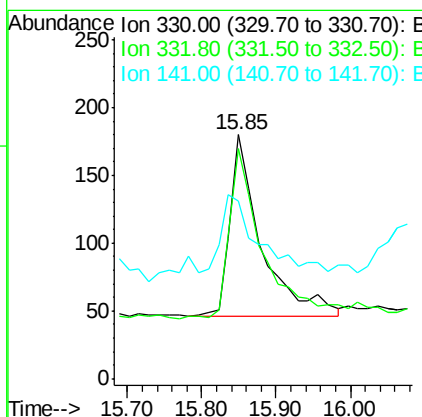
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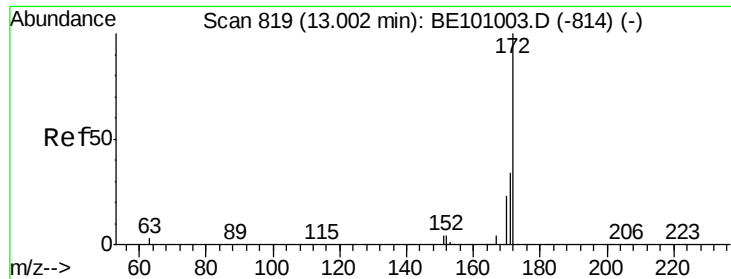
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#14
2,4,6-Tribromophenol
Concen: 0.185 ng
RT: 15.85 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	103.8	78.4	117.6
141	54.8	37.0	55.4





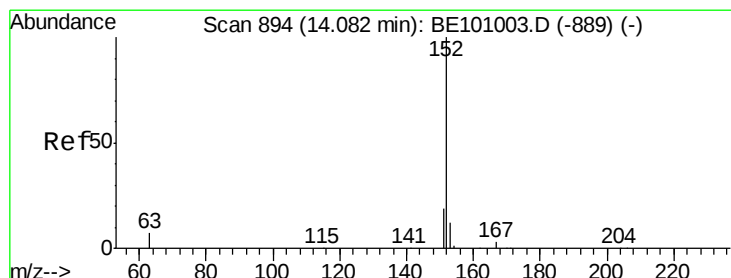
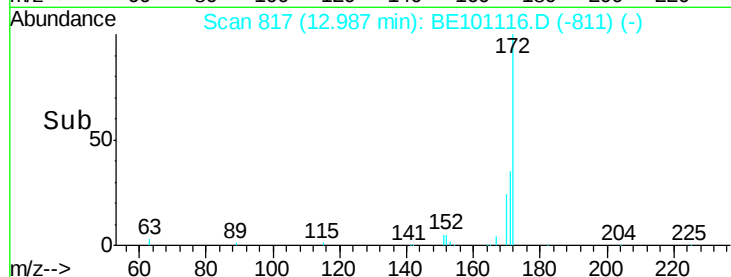
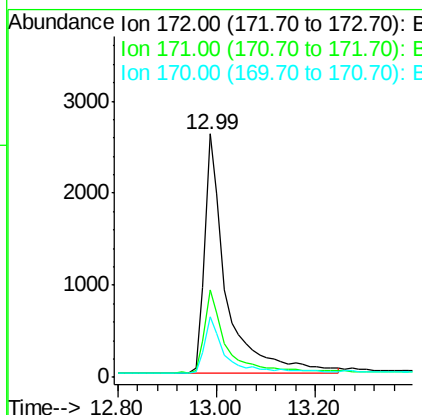
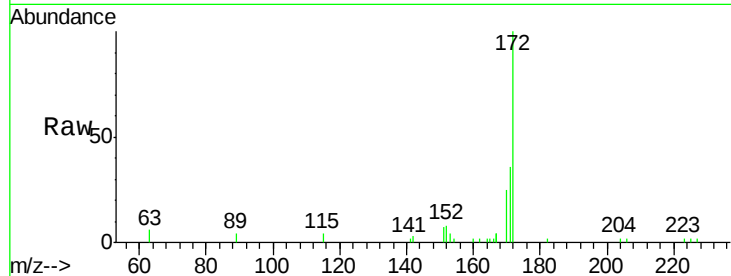
#15
2-Fluorobiphenyl
Concen: 0.277 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.01 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Instrument :
BNA_E
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SB-29-(4-6)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.2
170	25.2	18.9	28.3

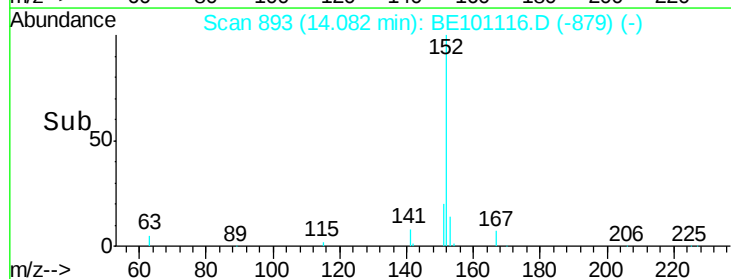
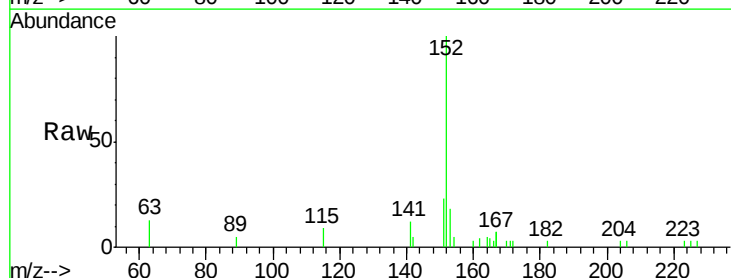
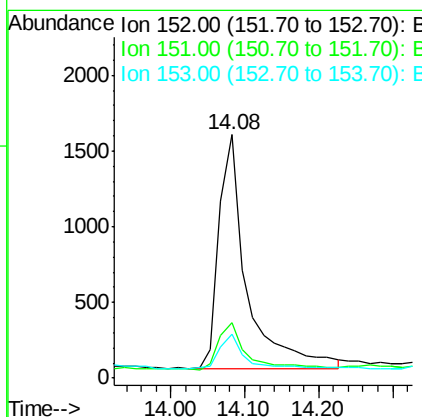
Manual Integrations
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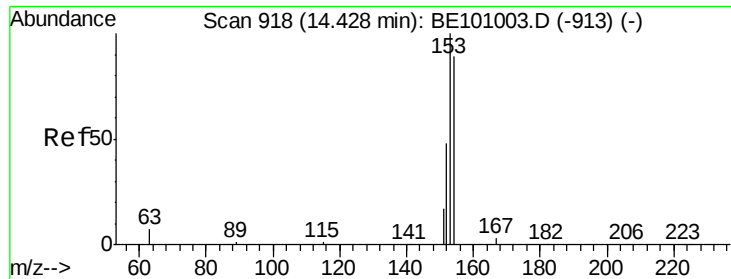
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#16
Acenaphthylene
Concen: 0.132 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	13.9	10.4	15.6





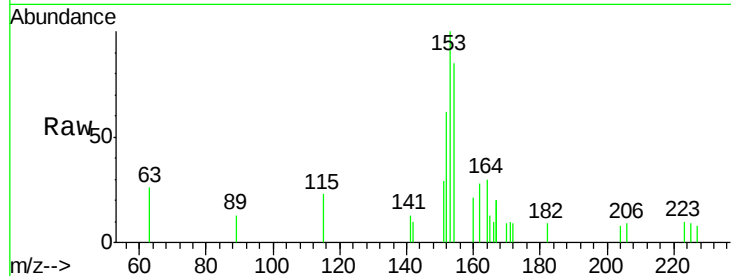
#17
Acenaphthene
Concen: 0.038 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.01 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Instrument :
BNA_E
ClientSampleId :
SB-29-(4-6)

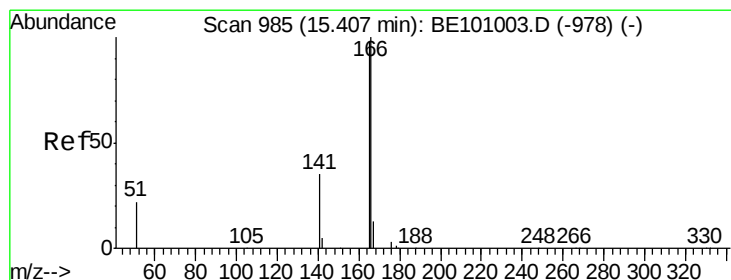
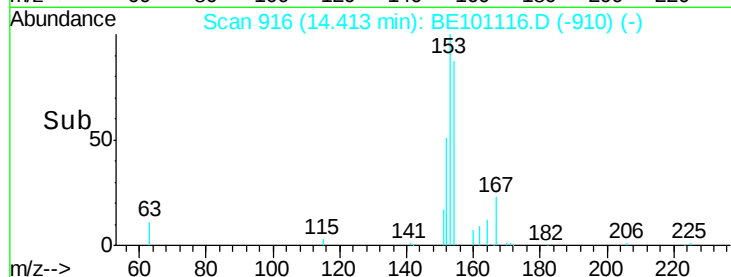
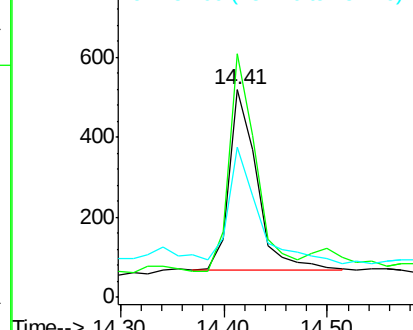
Tot Ion	Ratio	Lower	Upper
154	100		
153	115.1	93.6	140.4
152	68.1	46.3	69.5

Manual Integrations
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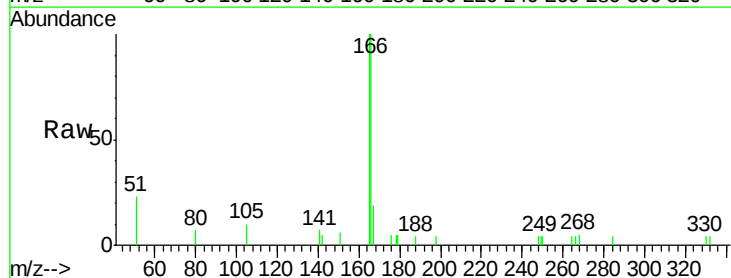


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

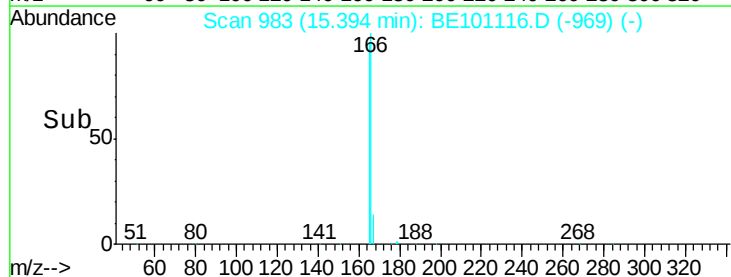
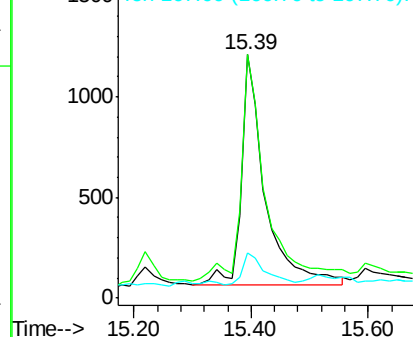


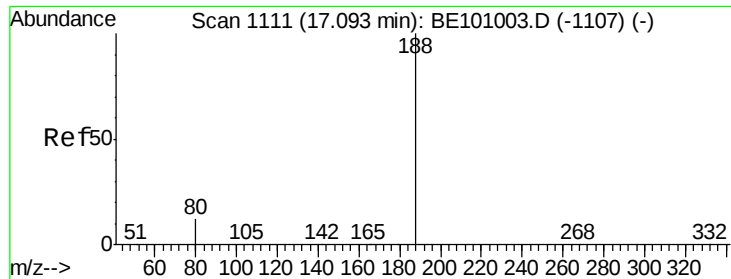
#18
Fluorene
Concen: 0.114 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.8	79.8	119.8
167	13.3	11.0	16.6



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





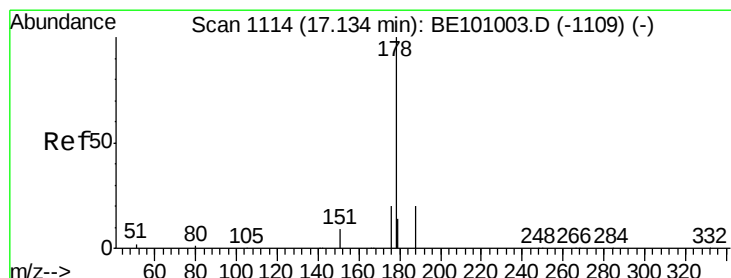
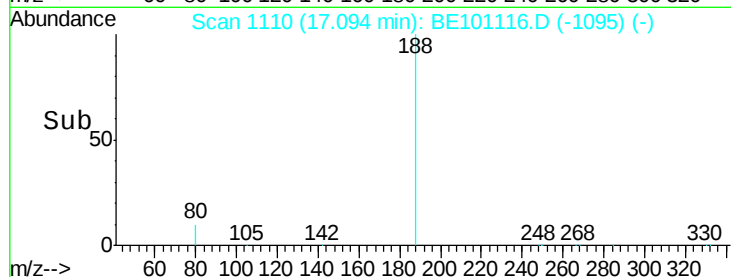
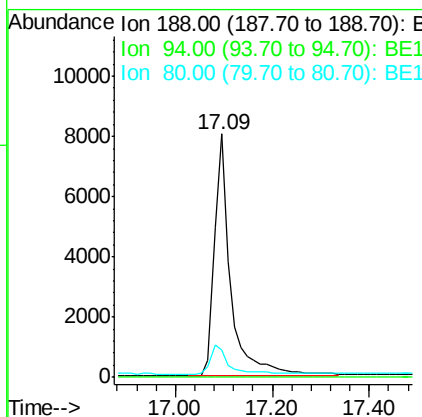
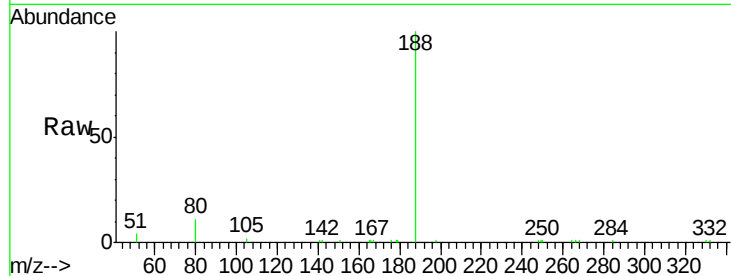
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Instrument :
BNA_E
ClientSampleId :
SB-29-(4-6)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	18608		
94	0.0	0.0	0.0	0.0
80	11.2	10.8	16.2	

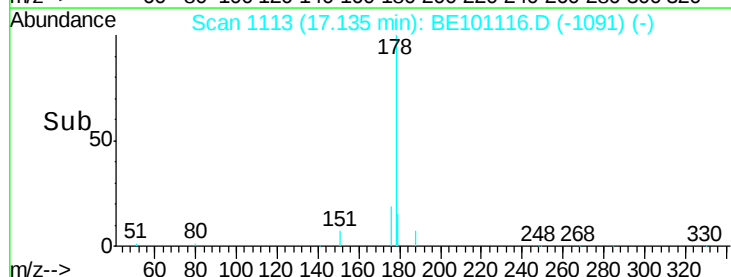
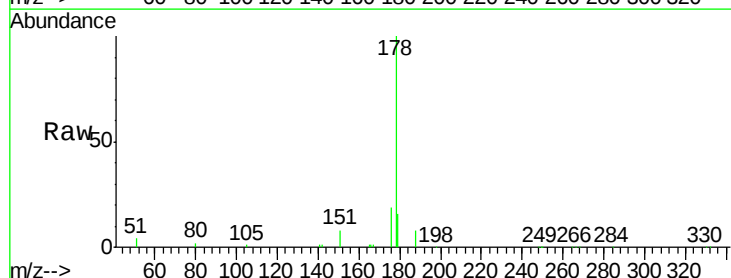
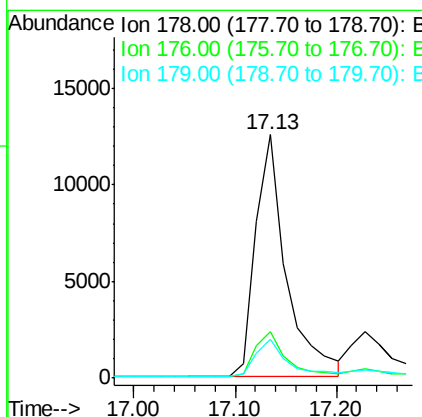
Manual Integrations
APPROVED

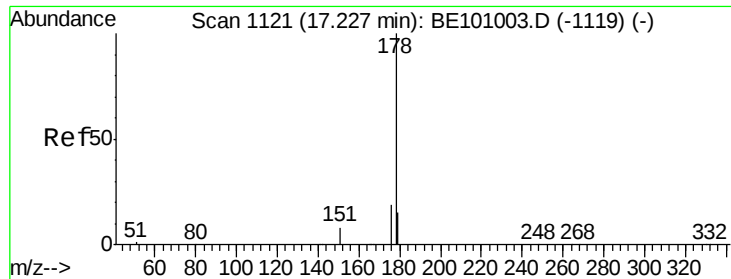
mohammad
1/23/2020 1:53:09 PM



#23
Phenanthrene
Concen: 0.525 ng
RT: 17.13 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	26695		
176	19.4	15.7	23.5	
179	16.2	12.0	18.0	





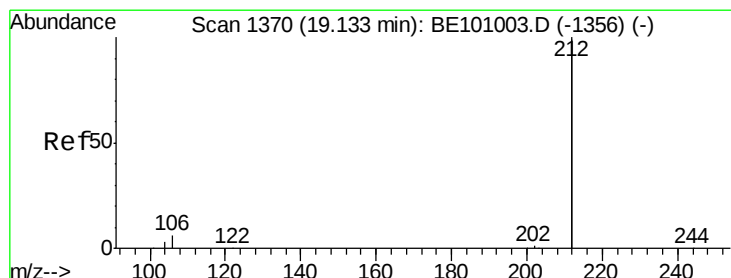
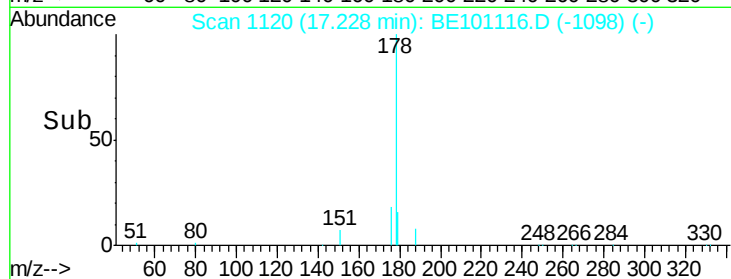
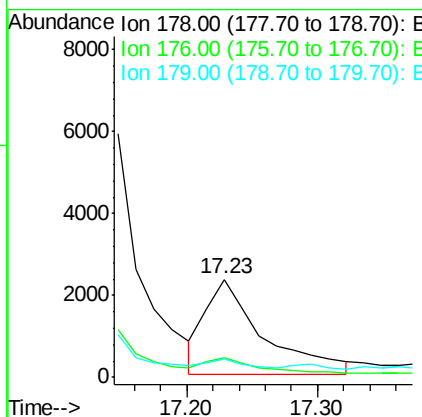
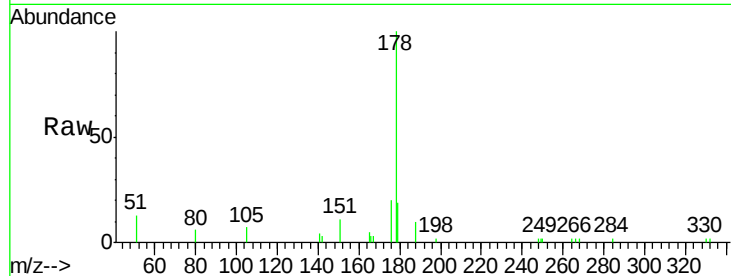
#24
 Anthracene
 Concen: 0.151 ng/ml
 RT: 17.23 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: BE101116.D
 Acq: 22 Jan 2020 14:33

Instrument :
 BNA_E
 ClientSampleId :
 SB-29-(4-6)

Tot Ion	Ratio	Lower	Upper
178	100		
176	71.5	14.8	22.2#
179	59.9	12.4	18.6#

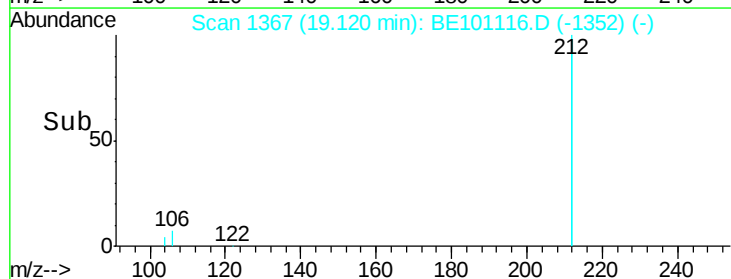
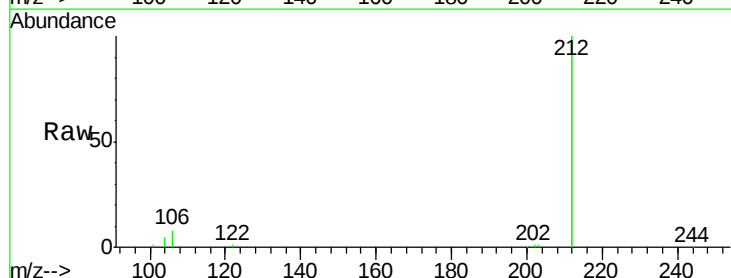
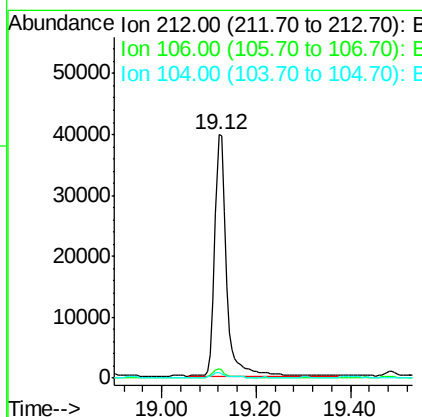
Manual Integrations
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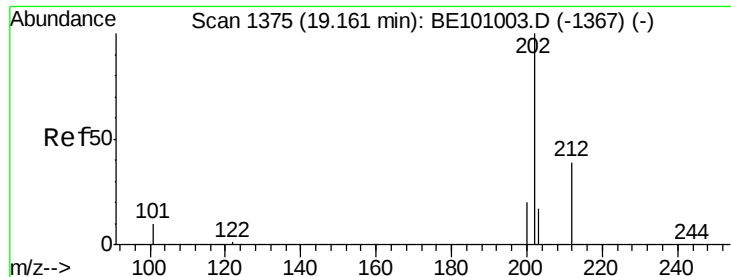
mohammad
 1/23/2020 1:53:09 PM



#25
 Fluoranthene-d10
 Concen: 0.259 ng
 RT: 19.12 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BE101116.D
 Acq: 22 Jan 2020 14:33

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	3.8
104	2.1	1.4	2.0#





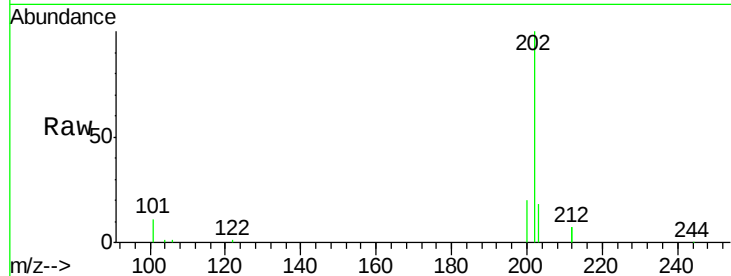
#26
Fluoranthene
Concen: 0.652 ng
RT: 19.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Instrument :
BNA_E
ClientSampleId :
SB-29-(4-6)

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.6	14.4
203	16.6	13.8	20.6

Manual Integrations
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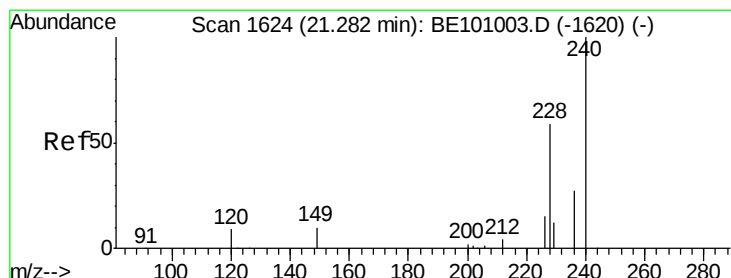
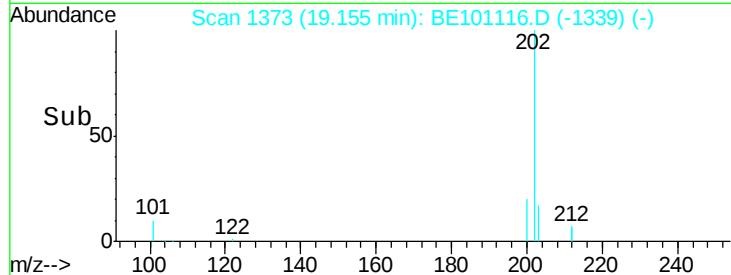
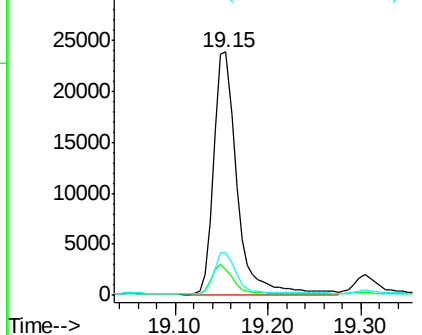


Abundance

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: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

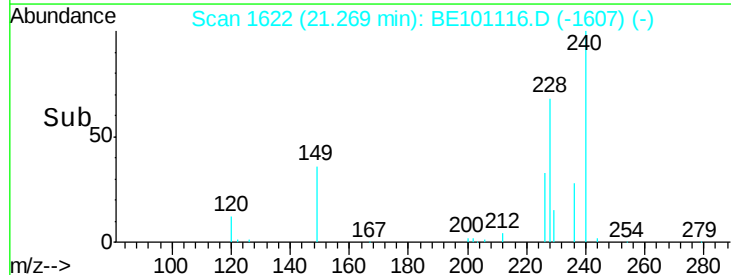
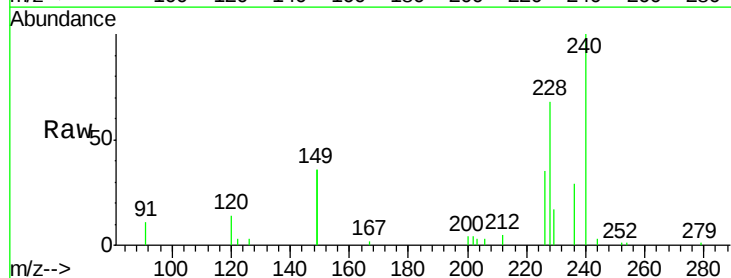
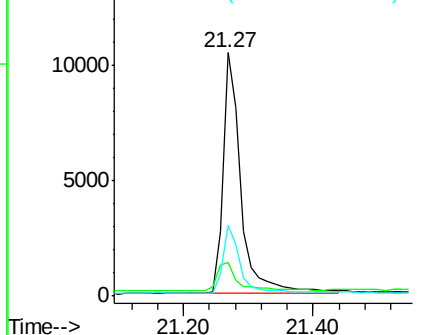
Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.9	8.6	13.0#
236	29.3	22.2	33.4

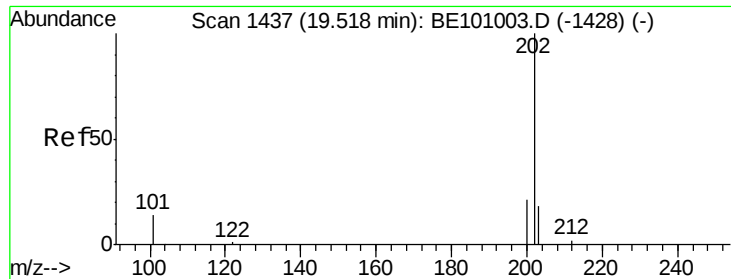
Abundance

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





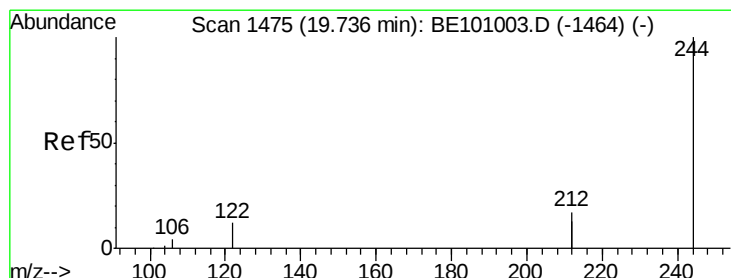
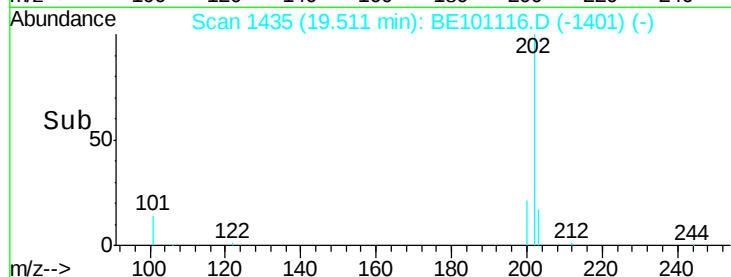
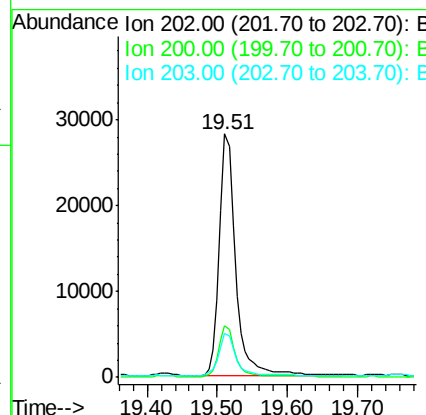
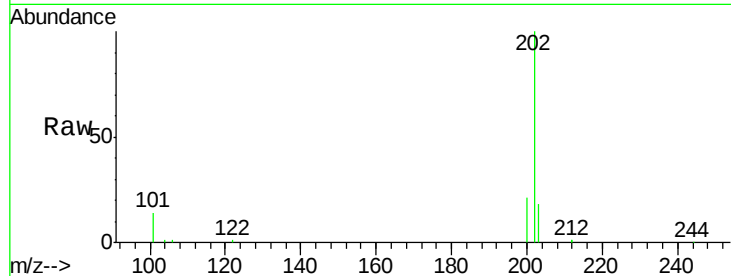
#28
Pvrene
Concen: 0.597 ng
RT: 19.51 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Instrument :
BNA_E
ClientSampleId :
SB-29-(4-6)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	18.5	13.8	20.6

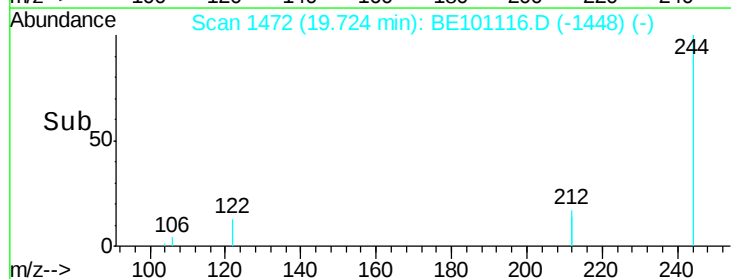
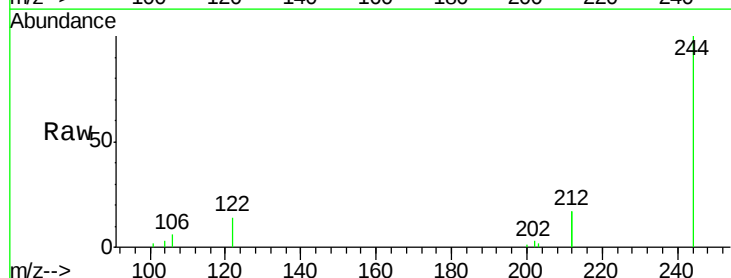
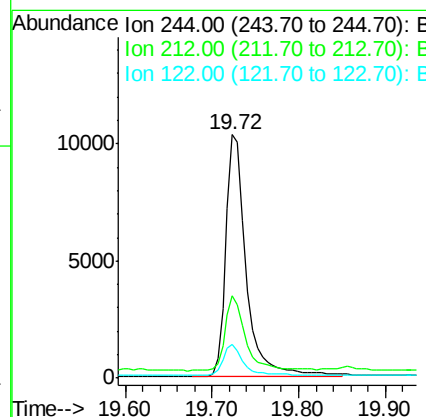
Manual Integrations
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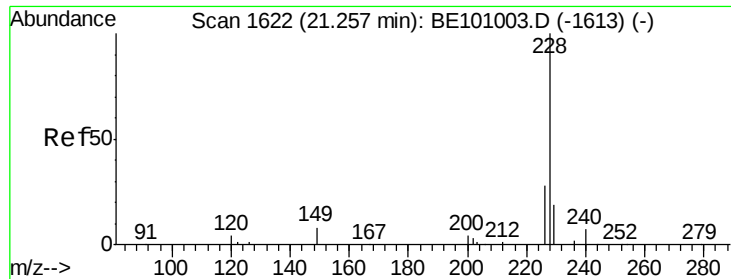
mohammad
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#29
Terphenyl-d14
Concen: 0.340 ng
RT: 19.72 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	34.0	27.2	40.8
122	13.8	9.8	14.8





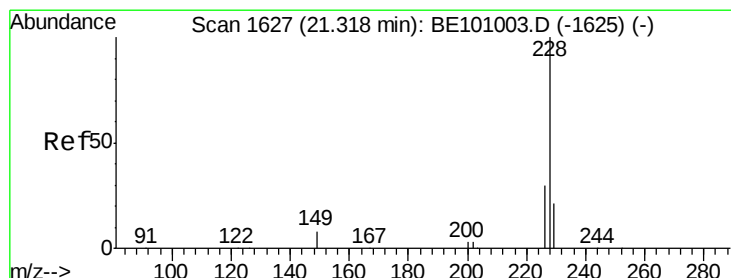
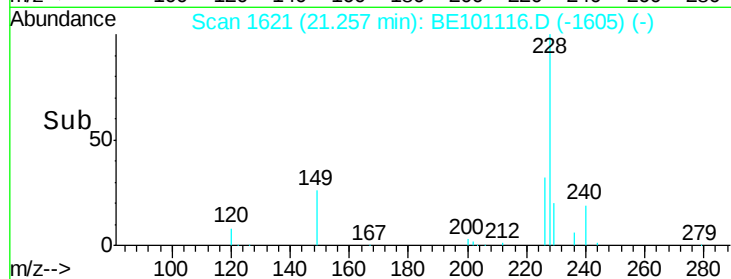
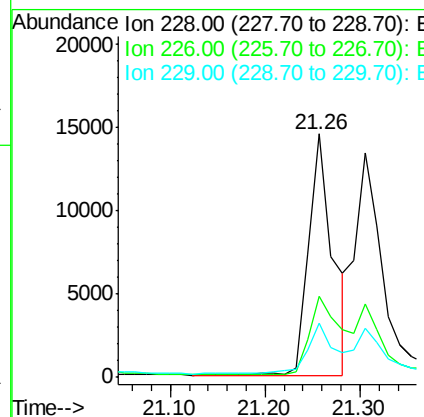
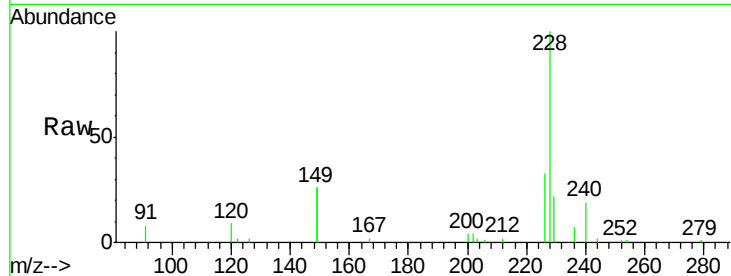
#30
Benzo(a)anthracene
Concen: 0.445 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Instrument :
BNA_E
ClientSampleId :
SB-29-(4-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.7	34.1
229	22.3	15.5	23.3

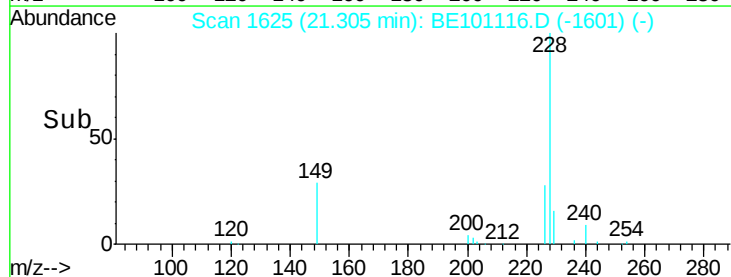
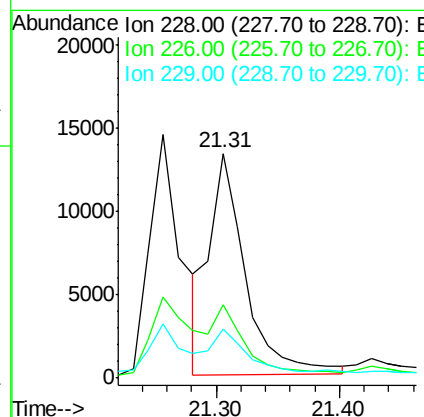
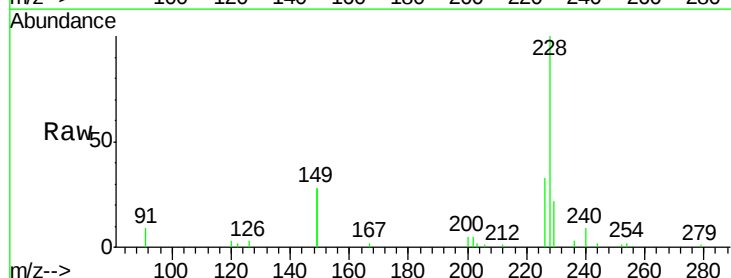
Manual Integrations
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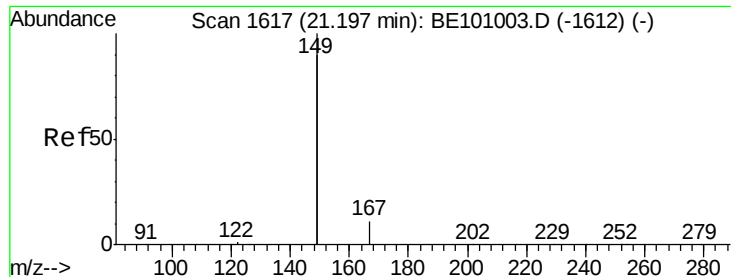
mohammad
1/23/2020 1:53:09 PM



#31
Chrysene
Concen: 0.312 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	23.5	35.3
229	21.8	16.7	25.1





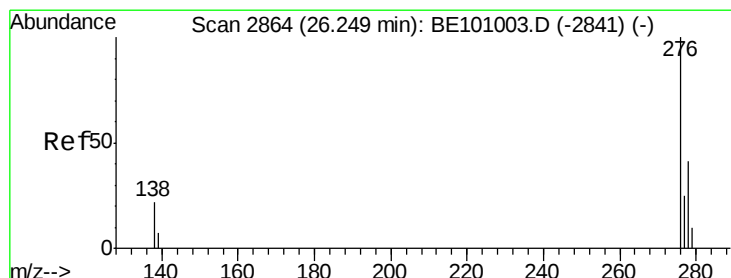
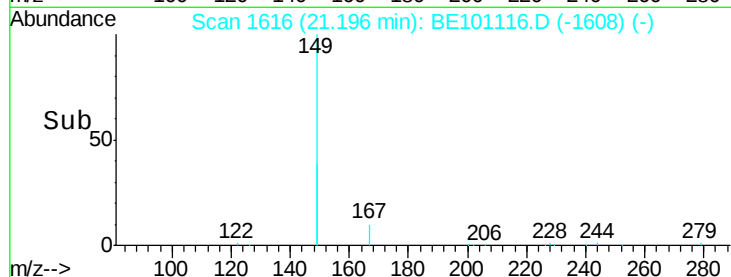
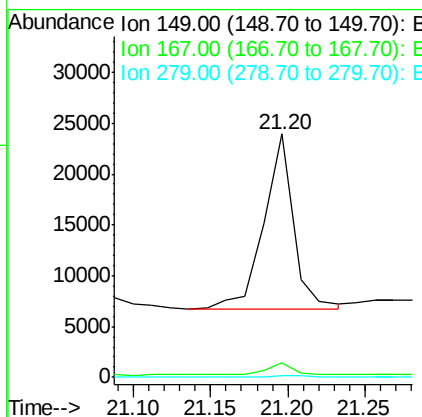
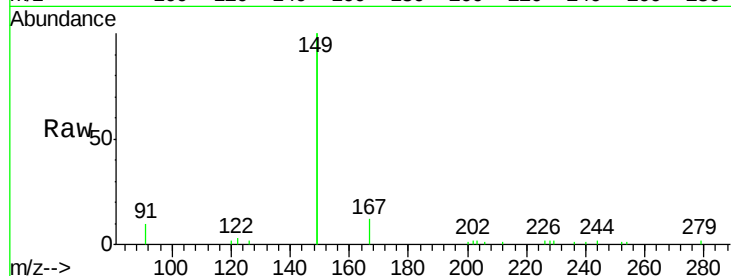
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.238 ng
 RT: 21.20 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: BE101116.D
 Acq: 22 Jan 2020 14:33

Instrument :
 BNA_E
 ClientSampleId :
 SB-29-(4-6)

Tot Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.2	7.8
279	0.7	0.8	1.2#

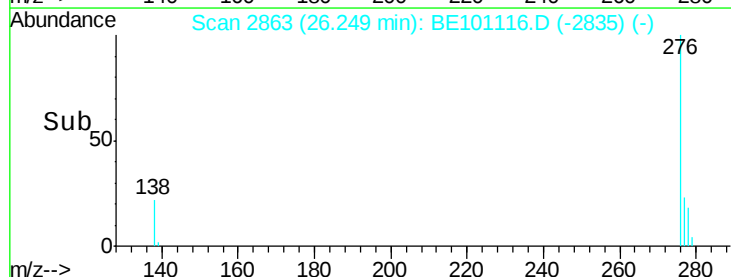
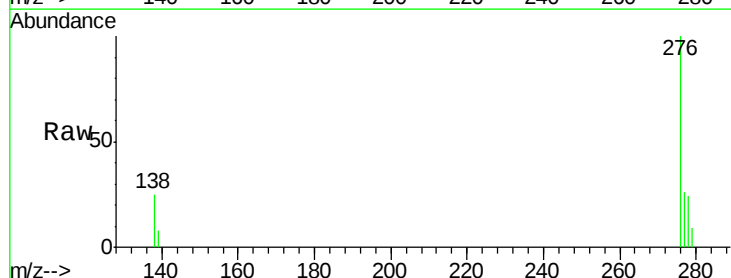
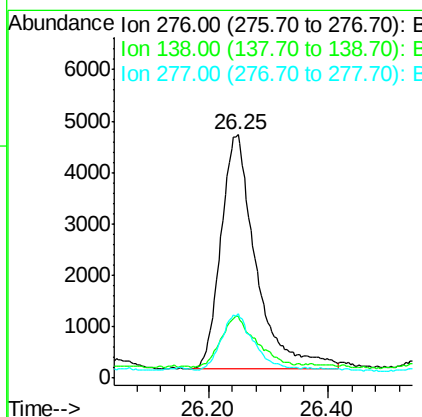
Manual Integrations
 APPROVED

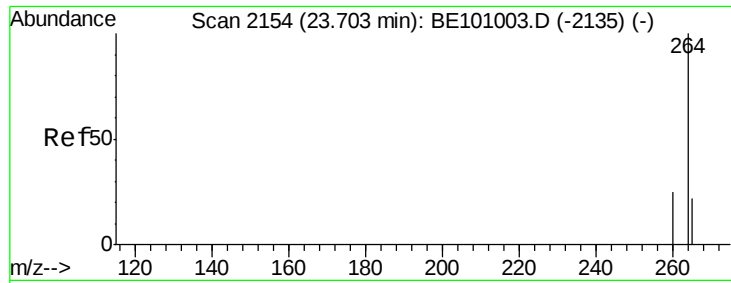
mohammad
 1/23/2020 1:53:09 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.273 ng
 RT: 26.25 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: BE101116.D
 Acq: 22 Jan 2020 14:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	16.1	24.1
277	21.6	18.1	27.1





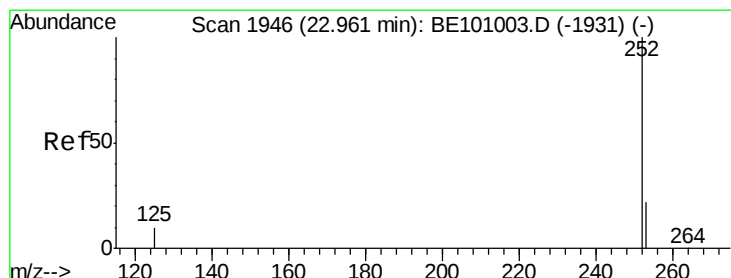
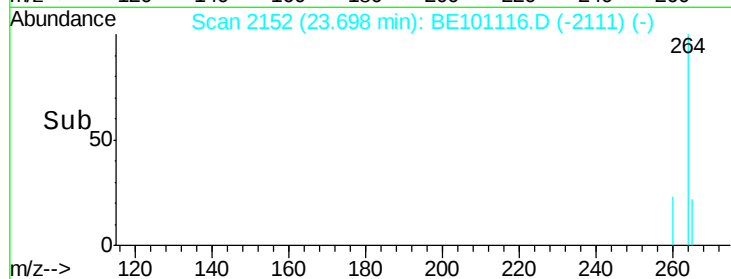
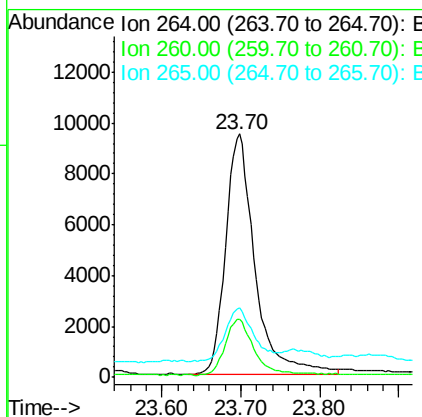
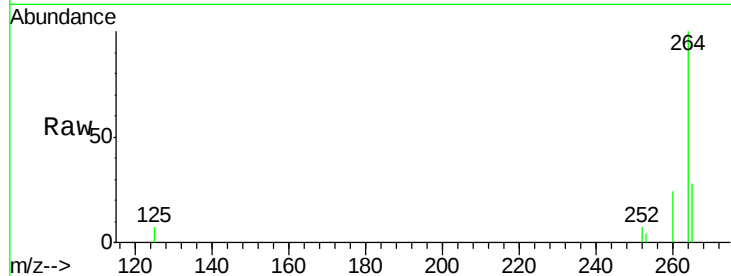
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.70 min Scan# 2152
Delta R.T. -0.00 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Instrument :
BNA_E
ClientSampleId :
SB-29-(4-6)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.3	30.5
265	28.4	27.0	40.4

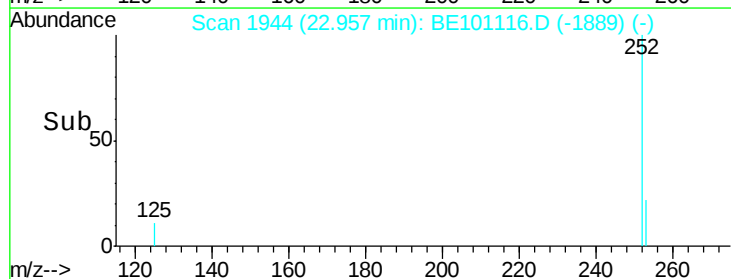
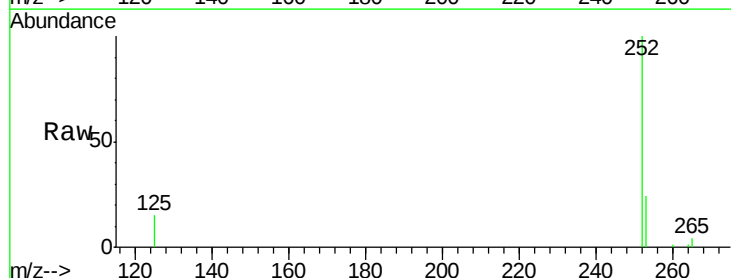
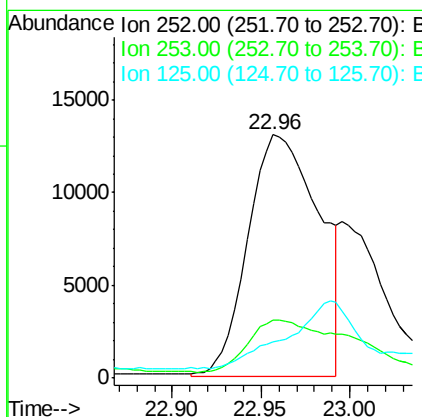
Manual Integrations
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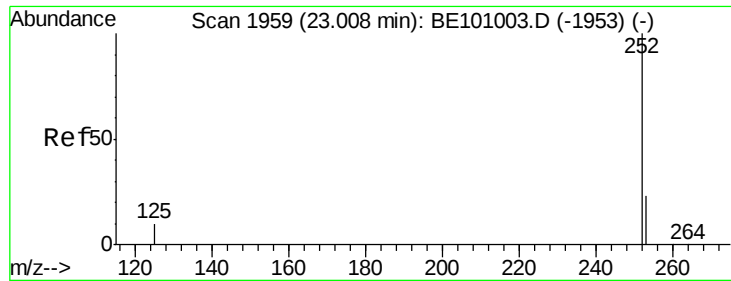
mohammad
1/23/2020 1:53:09 PM



#35
Benzo(b)fluoranthene
Concen: 0.530 ng m
RT: 22.96 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.5	27.7
125	15.2	9.5	14.3





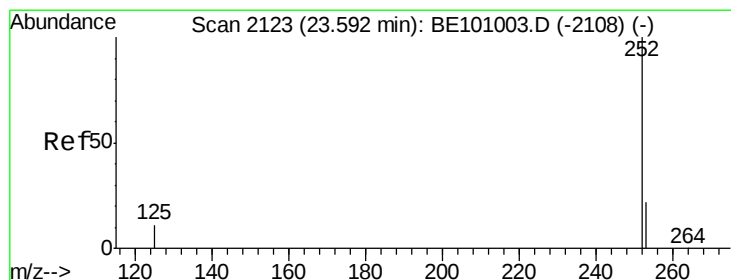
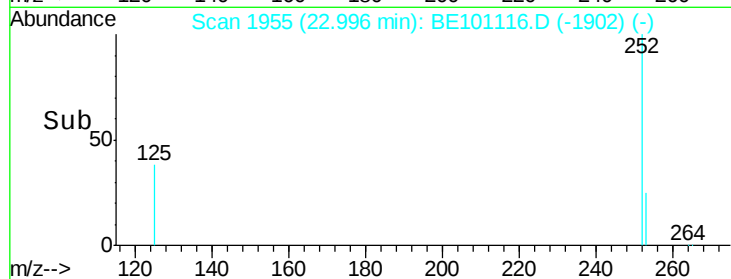
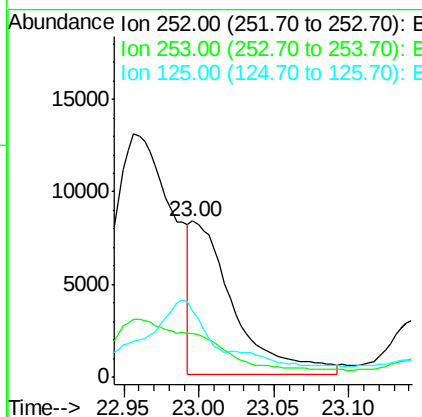
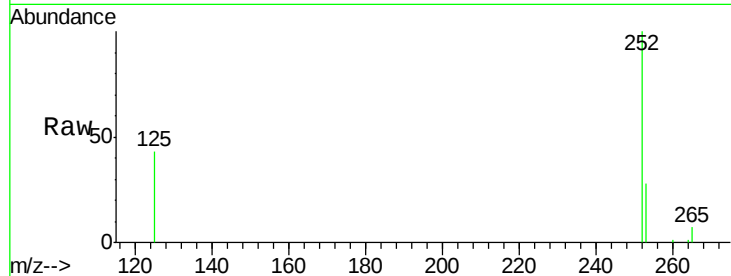
#36
Benzo(k)fluoranthene
Concen: 0.165 ng m
RT: 23.00 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Instrument :
BNA_E
ClientSampleId :
SB-29-(4-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.9	28.3
125	43.2	10.1	15.1

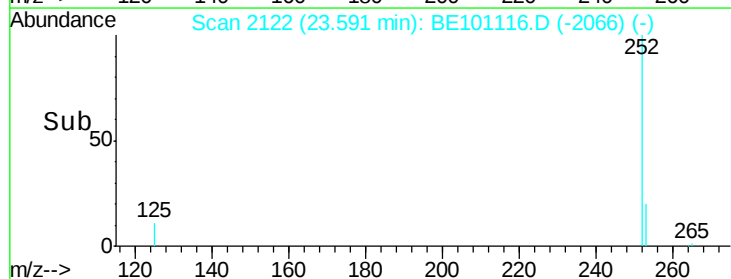
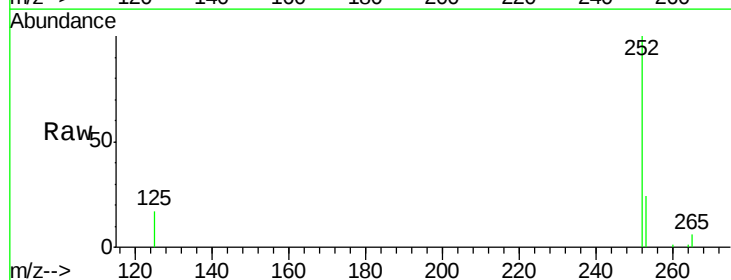
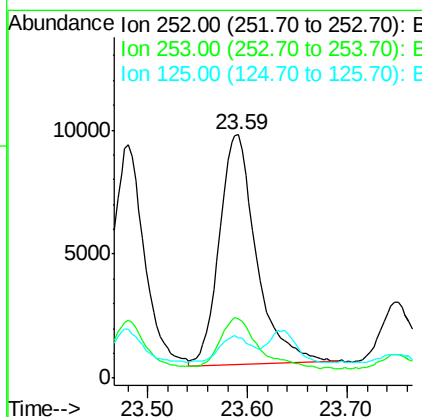
Manual Integrations
APPROVED

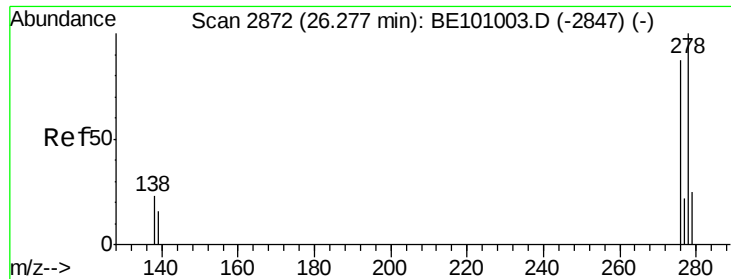
mohammad
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#37
Benzo(a)pyrene
Concen: 0.364 ng
RT: 23.59 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.2
125	16.6	11.8	17.6





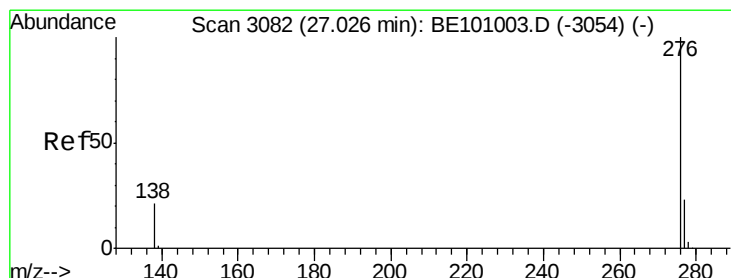
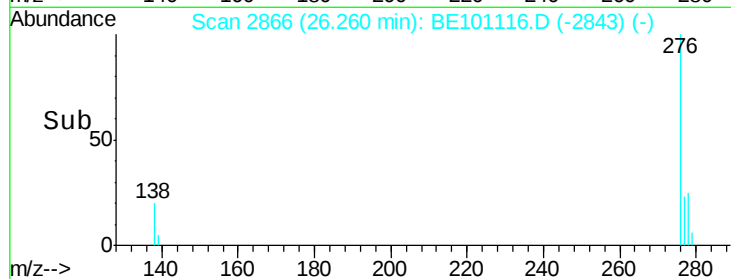
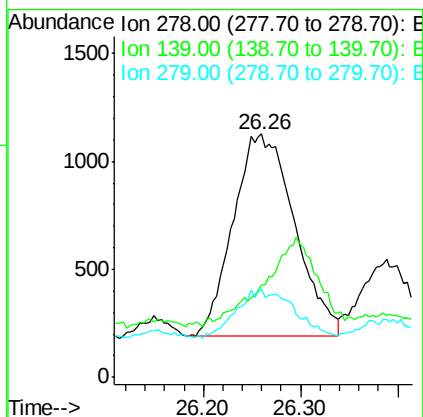
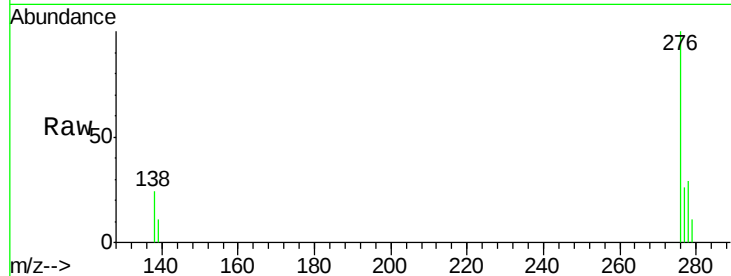
#38
Dibenzo(a,h)anthracene
Concen: 0.067 ng
RT: 26.26 min Scan# 2866
Delta R.T. -0.02 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Instrument :
BNA_E
ClientSampled :
SB-29-(4-6)

Tot Ion	Ratio	Lower	Upper
278	100		
139	38.1	15.0	22.4#
279	36.6	22.6	33.8#

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 0.279 ng
RT: 27.02 min Scan# 3080
Delta R.T. -0.00 min
Lab File: BE101116.D
Acq: 22 Jan 2020 14:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.4	29.2
138	24.4	17.9	26.9

