

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
 Data File : BE100316.D
 Acq On : 2 Jul 2019 23:28
 Operator : JU/SJ
 Sample : K3446-09DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-008-B036-061819DL

Manual Integrations
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Quant Time: Jul 03 04:03:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 14:06:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	794	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2767	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2193	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	6030	0.40	ng	0.01
27) Chrysene-d12	21.25	240	7715	0.40	ng	0.00
34) Perylene-d12	23.68	264	9111	0.40	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.23	112	145	0.07	ng	0.01
5) Phenol-d6	6.84	99	168	0.06	ng	0.00
8) Nitrobenzene-d5	8.82	82	181	0.07	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	437	0.08	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	102	0.07	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	595	0.07	ng	0.00
25) Fluoranthene-d10	19.10	212	6472	0.07	ng	0.00
29) Terphenyl-d14	19.70	244	1177	0.07	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.49	128	5558	0.182	ng	99
12) 2-Methylnaphthalene	12.12	142	913	0.170	ng	98
16) Acenaphthylene	14.04	152	2851	0.271	ng	99
17) Acenaphthene	14.39	154	3365	0.564	ng	98
18) Fluorene	15.35	166	6452	0.732	ng	98
23) Phenanthrene	17.11	178	91867	6.286	ng	100
24) Anthracene	17.19	178	21151	1.607	ng	97
26) Fluoranthene	19.13	202	141948	6.098	ng	99
28) Pyrene	19.49	202	118840	5.818	ng	# 95
30) Benzo(a)anthracene	21.23	228	78617	3.099	ng	97
31) Chrysene	21.28	228	60090	2.359	ng	96
32) Bis(2-ethylhexyl)phthalate	21.15	149	20115	0.503	ng	99
33) Indeno(1,2,3-cd)pyrene	26.24	276	36245	1.076	ng	# 98
35) Benzo(b)fluoranthene	22.93	252	73774	2.987	ng	# 97
36) Benzo(k)fluoranthene	22.98	252	31090m	1.128	ng	
37) Benzo(a)pyrene	23.57	252	57059m	2.305	ng	
38) Dibenzo(a,h)anthracene	26.25	278	9202	0.356	ng	# 83
39) Benzo(a,h,i)perylene	27.03	276	33073	1.245	ng	99

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

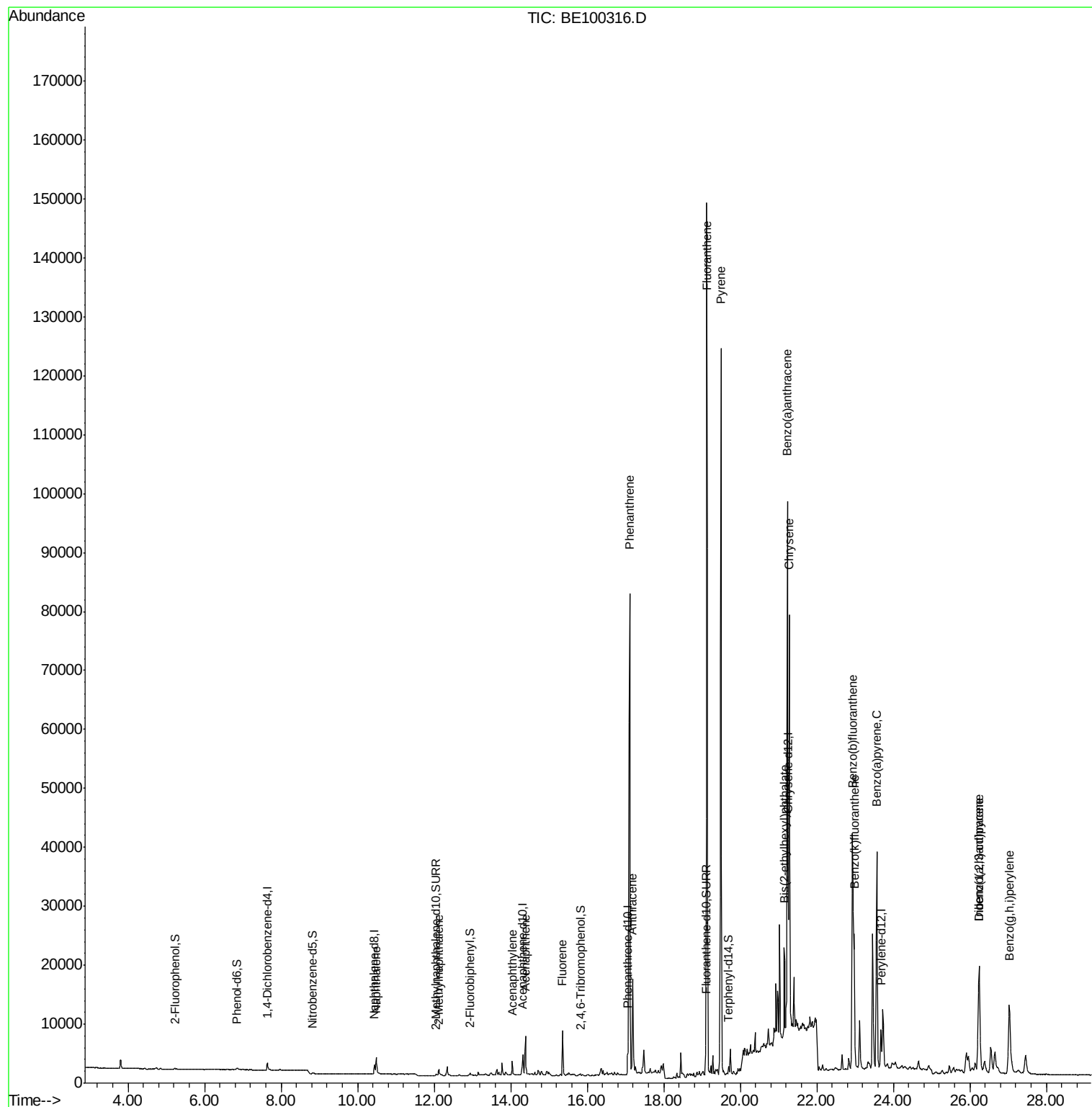
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

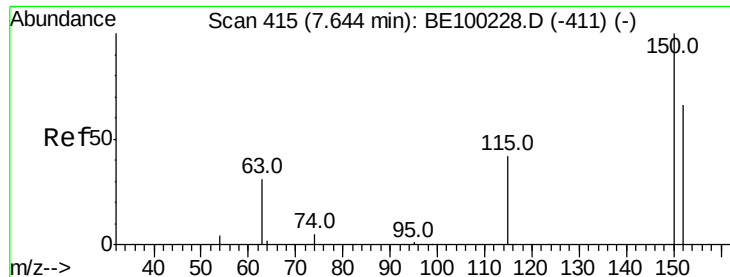
Instrument :
BNA_E
ClientSampleId :
PST-008-B036-061819DL

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Quant Time: Jul 03 04:03:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.65 min Scan# 415

Delta R.T. 0.00 min

Lab File: BE100316.D

Acq: 2 Jul 2019 23:28

Instrument :

BNA_E

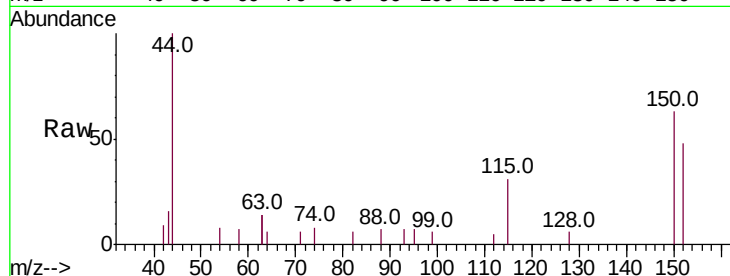
ClientSampleId :

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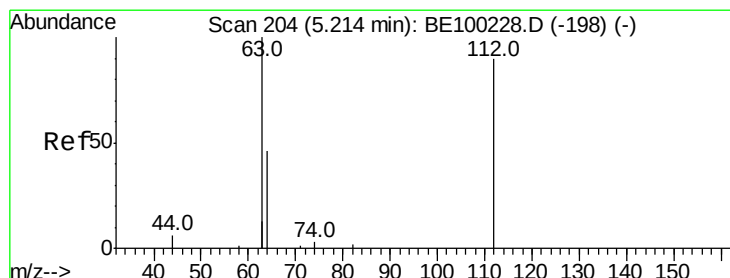
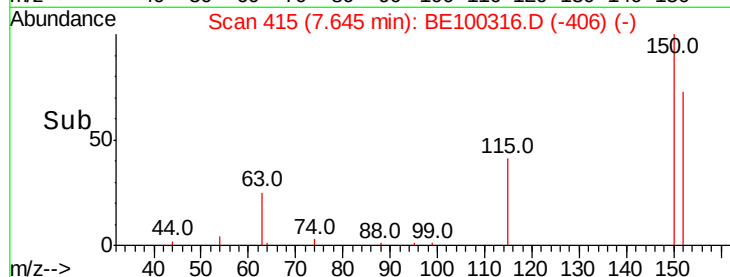
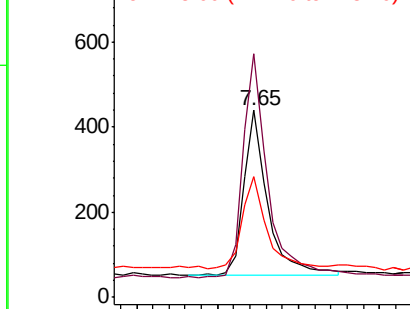
Tot Ion:	152	Resp:	794
Ion	Ratio	Lower	Upper
152	100		
150	130.0	114.5	171.7
115	64.3	57.1	85.7

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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: 0.072 ng

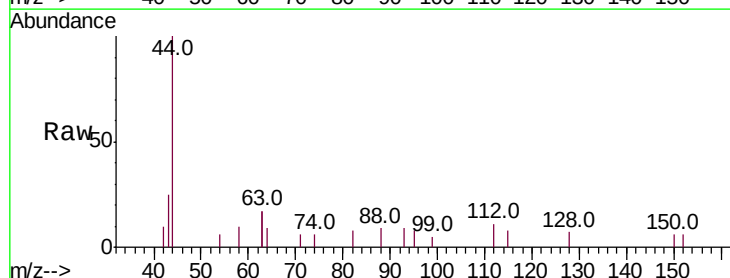
RT: 5.23 min Scan# 205

Delta R.T. 0.01 min

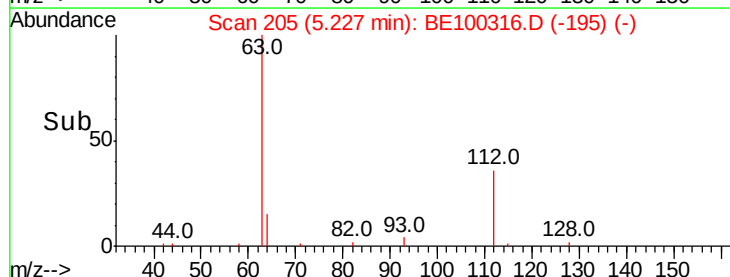
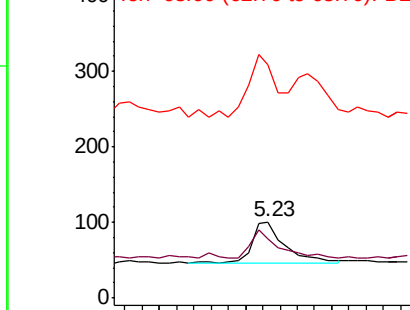
Lab File: BE100316.D

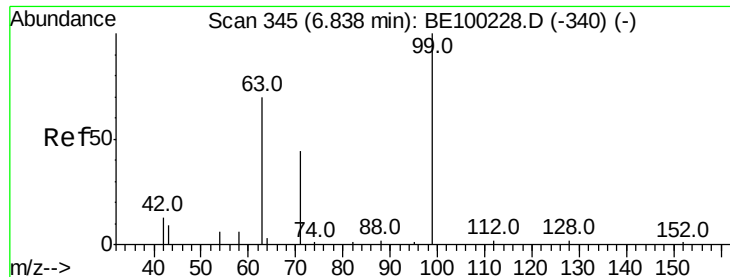
Acq: 2 Jul 2019 23:28

Tgt Ion:	112	Resp:	145
Ion	Ratio	Lower	Upper
112	100		
64	62.1	39.4	59.0#
63	131.7	104.5	156.7



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: 0.063 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE100316.D

Acq: 2 Jul 2019 23:28

Instrument :

BNA_E

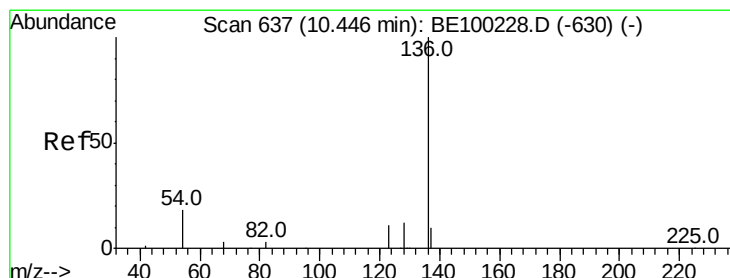
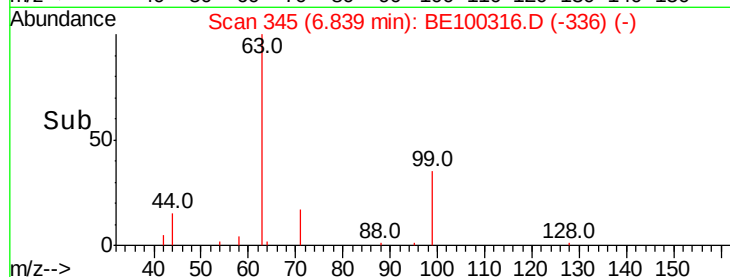
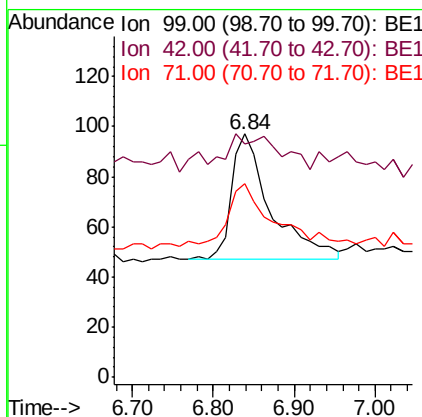
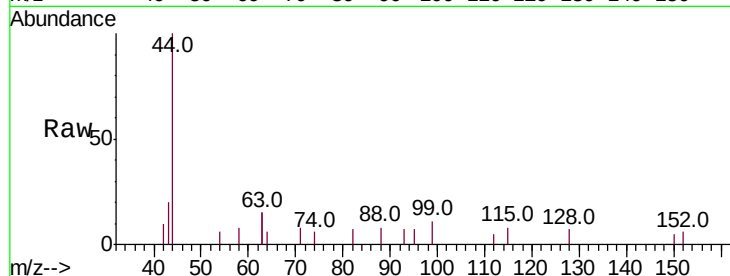
ClientSampleId :

PST-008-B036-061819DL

Tot Ion:	99	Resp:	168
Ion	Ratio	Lower	Upper
99	100		
42	41.7	11.2	16.8#
71	60.7	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

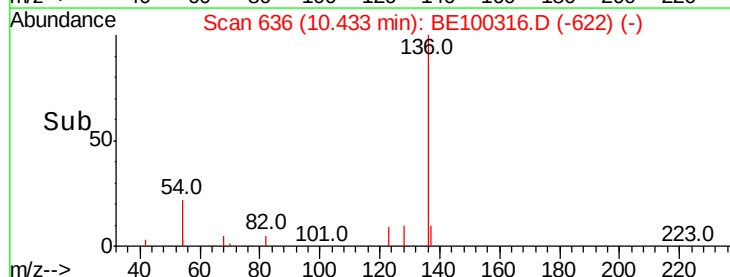
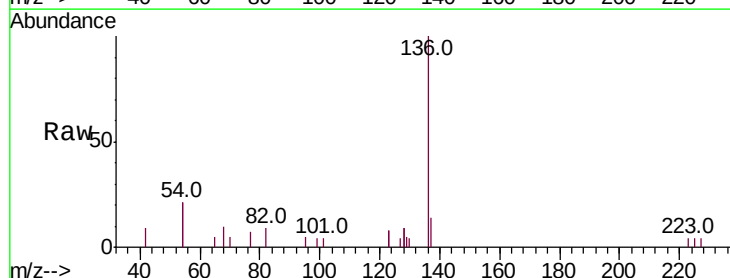
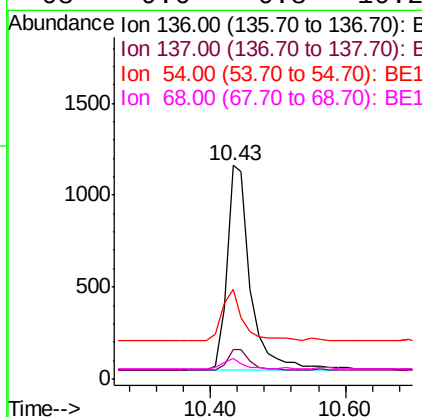
RT: 10.43 min Scan# 636

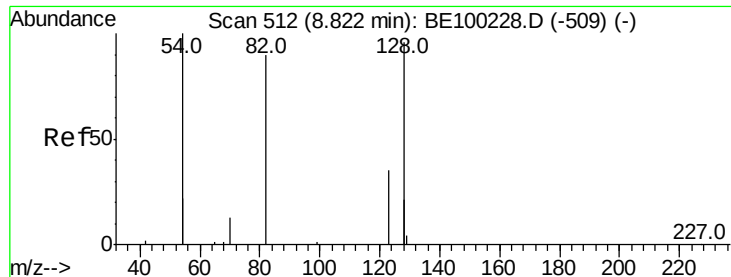
Delta R.T. -0.01 min

Lab File: BE100316.D

Acq: 2 Jul 2019 23:28

Tgt Ion:	136	Resp:	2767
Ion	Ratio	Lower	Upper
136	100		
137	14.0	11.8	17.8
54	42.0	27.7	41.5#
68	9.6	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.066 ng

RT: 8.82 min Scan# 512

Delta R.T. 0.00 min

Lab File: BE100316.D

Acq: 2 Jul 2019 23:28

Instrument :

BNA_E

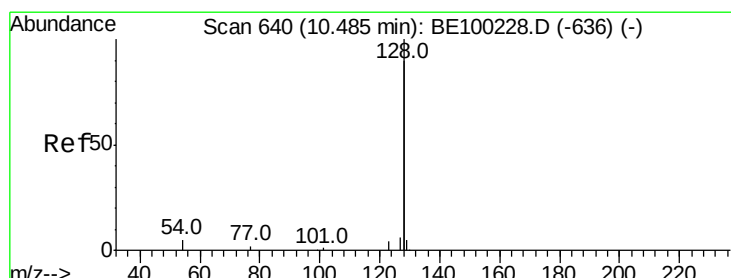
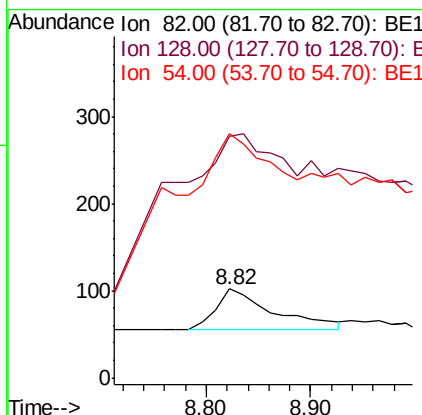
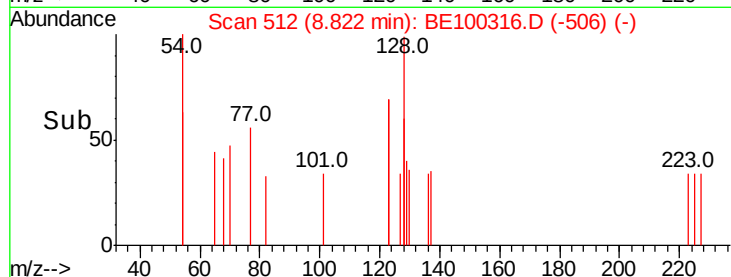
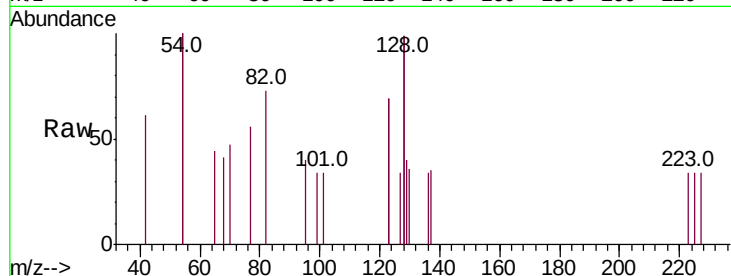
ClientSampleId :

PST-008-B036-061819DL

Tot Ion:	82	Resp:	181
Ion	Ratio	Lower	Upper
82	100		
128	272.5	140.9	211.3#
54	274.5	146.2	219.2#

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#9

Naphthalene

Concen: 0.182 ng

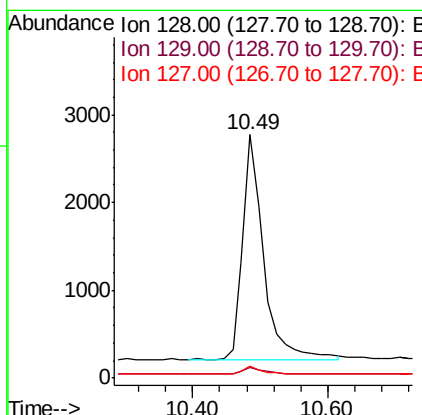
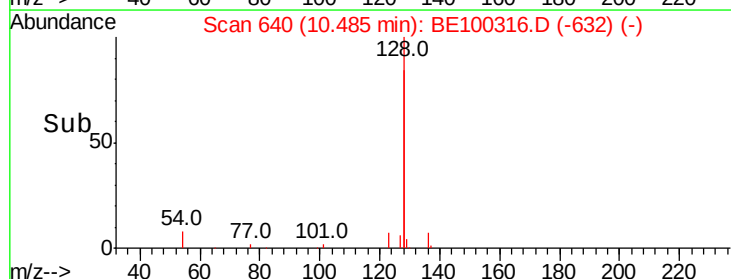
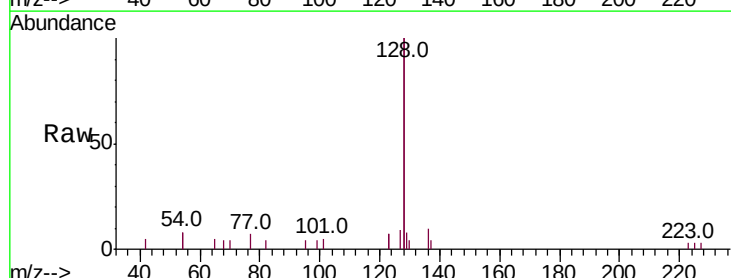
RT: 10.49 min Scan# 640

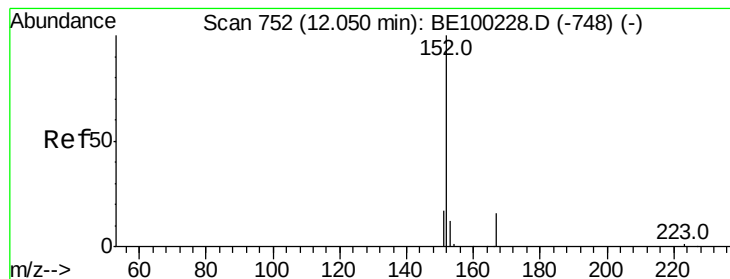
Delta R.T. 0.00 min

Lab File: BE100316.D

Acq: 2 Jul 2019 23:28

Tgt Ion:	128	Resp:	5558
Ion	Ratio	Lower	Upper
128	100		
129	4.1	3.0	4.6
127	4.7	3.5	5.3





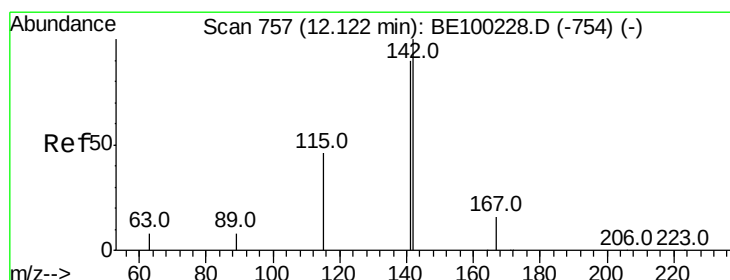
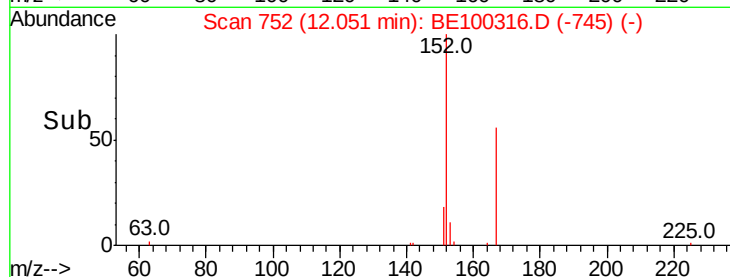
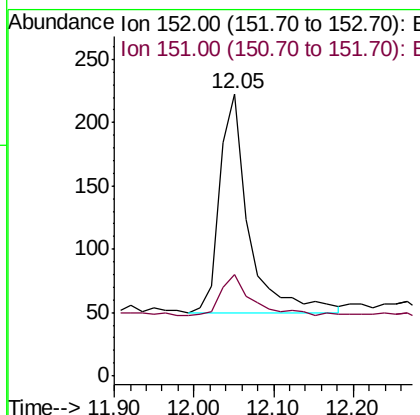
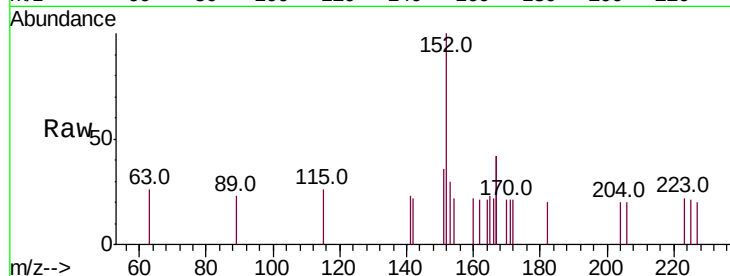
#11
2-Methylnaphthalene-d10
Concen: 0.084 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Instrument :
BNA_E
ClientSampleId :
PST-008-B036-061819DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.1	22.7

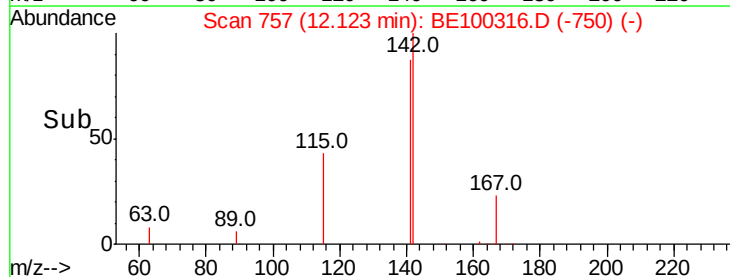
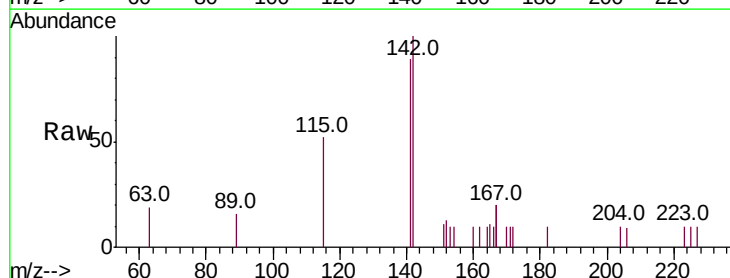
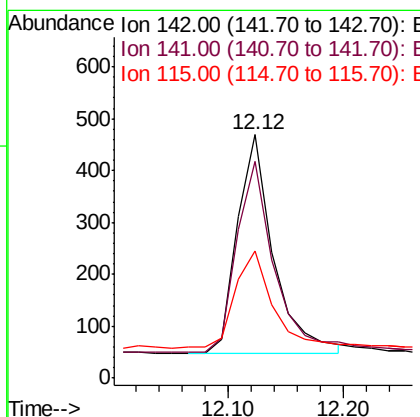
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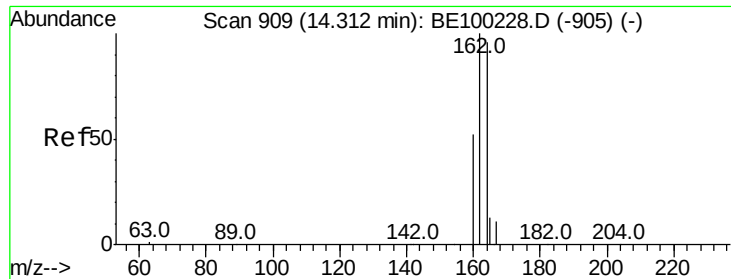
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#12
2-Methylnaphthalene
Concen: 0.170 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.4	108.6
115	52.0	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: BE100316.D

Acq: 2 Jul 2019 23:28

Instrument :

BNA_E

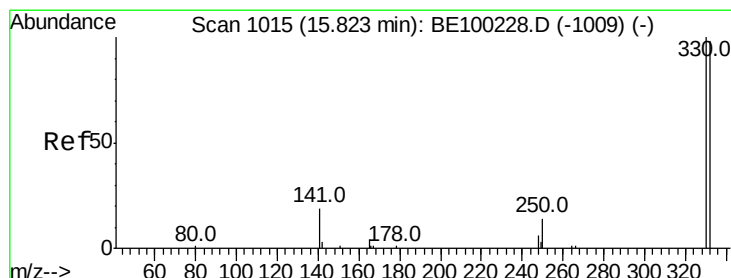
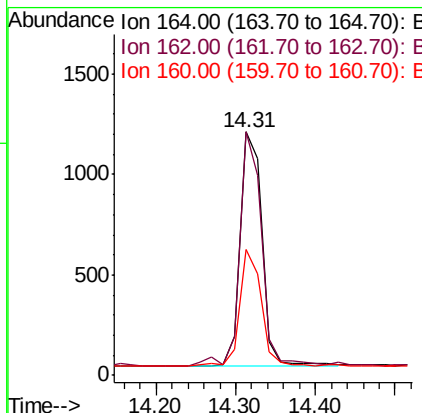
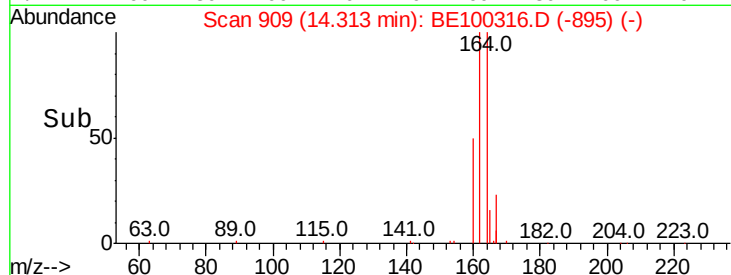
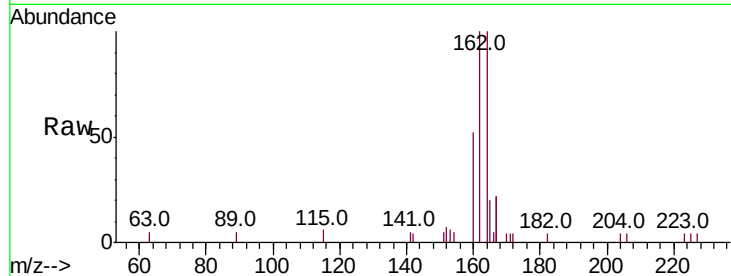
ClientSampleId :

PST-008-B036-061819DL

Tot Ion:	164	Resp:	2193
Ion	Ratio	Lower	Upper
164	100		
162	100.0	83.4	125.0
160	51.8	45.0	67.6

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#14

2,4,6-Tribromophenol

Concen: 0.066 ng

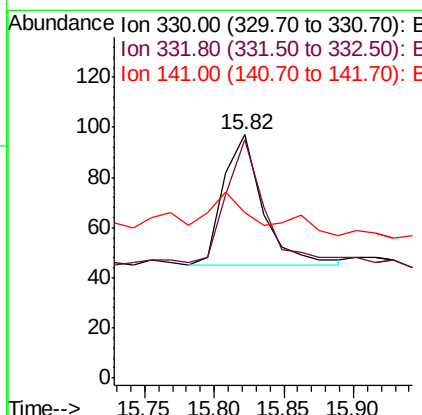
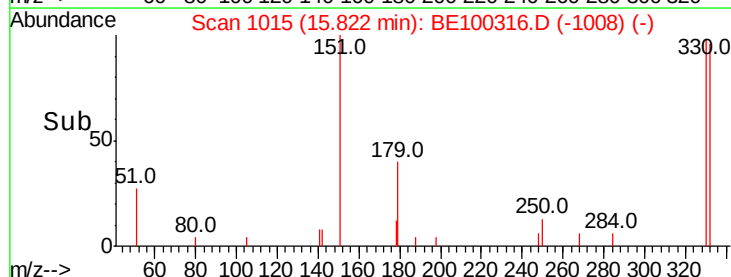
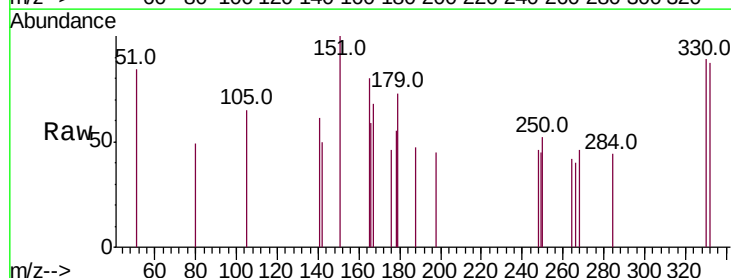
RT: 15.82 min Scan# 1015

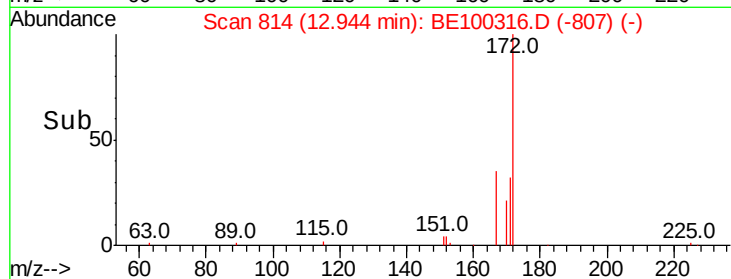
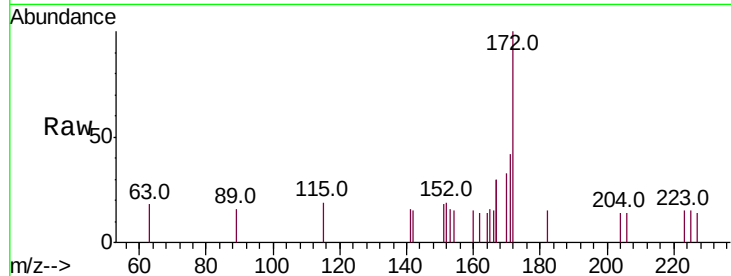
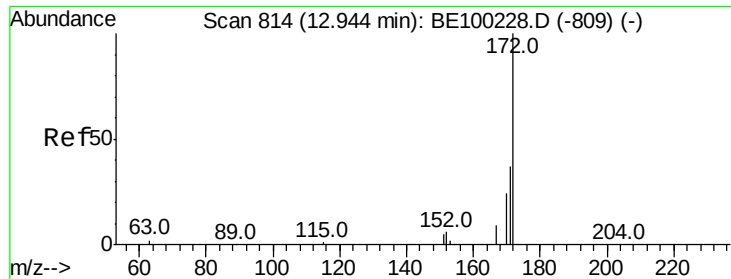
Delta R.T. -0.00 min

Lab File: BE100316.D

Acq: 2 Jul 2019 23:28

Tgt Ion:	330	Resp:	102
Ion	Ratio	Lower	Upper
330	100		
332	100.0	77.0	115.4
141	52.9	22.0	33.0#





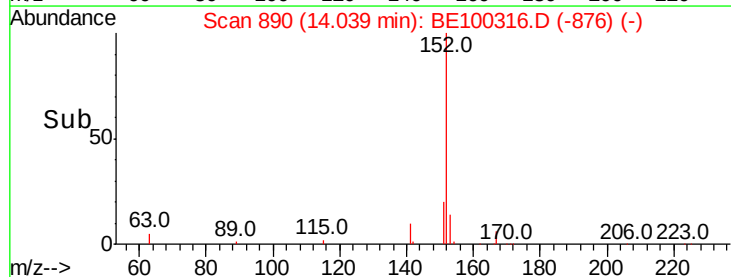
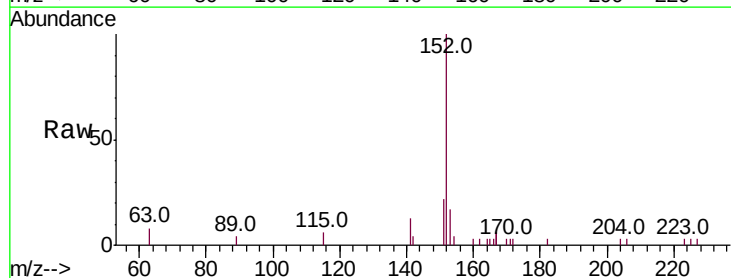
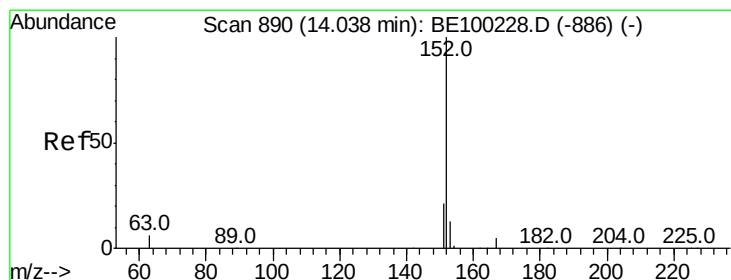
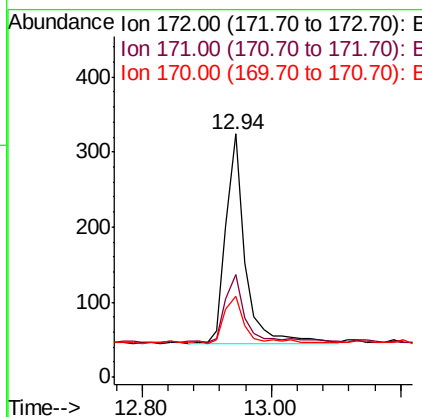
#15
2-Fluorobiphenyl
Concen: 0.070 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tot Ion	Ratio	Lower	Upper
172	100		
171	42.3	31.9	47.9
170	33.0	22.2	33.2

Instrument :
BNA_E
ClientSampleId :
PST-008-B036-061819DL

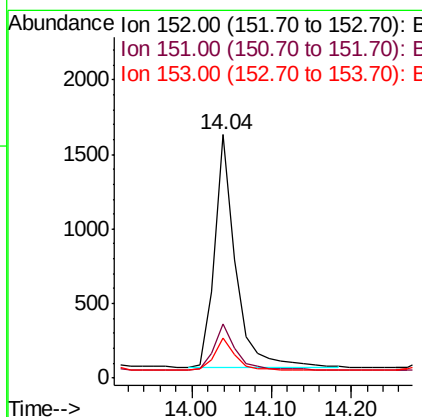
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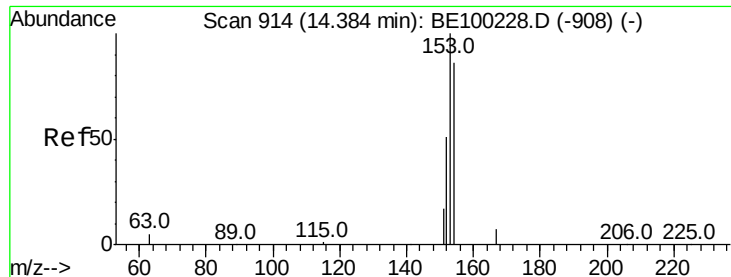
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#16
Acenaphthylene
Concen: 0.271 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.6	25.0
153	14.4	10.5	15.7





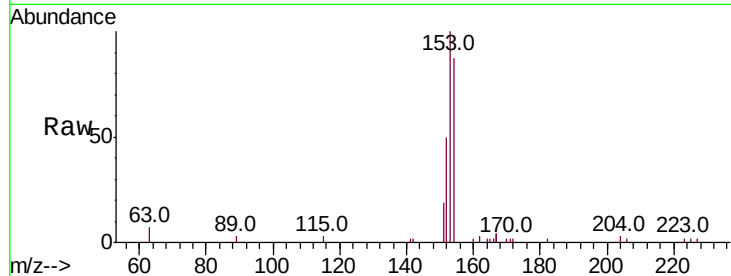
#17
Acenaphthene
Concen: 0.564 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Instrument :
BNA_E
ClientSampleId :
PST-008-B036-061819DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	119.3	93.4	140.2
152	60.9	49.4	74.2

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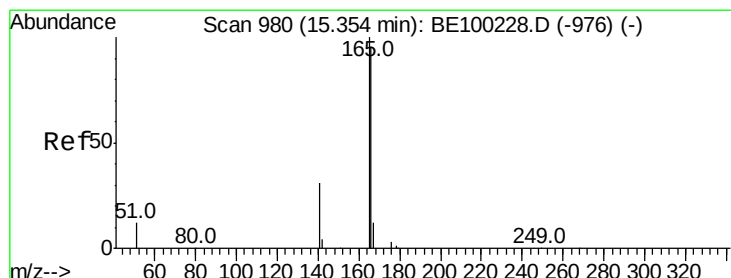
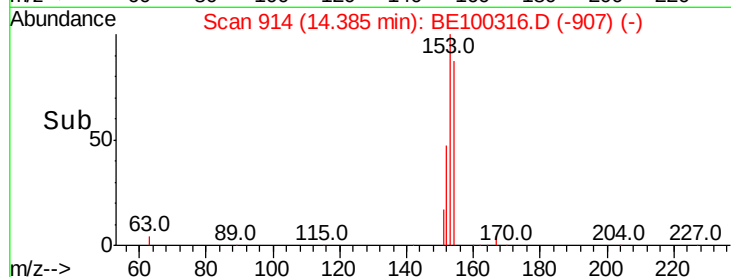
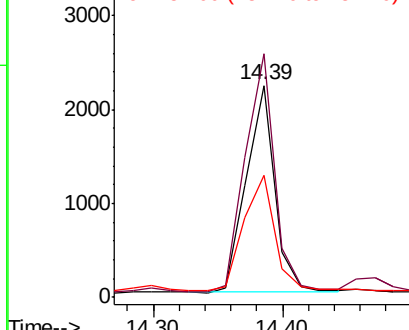


Abundance

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: 0.732 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

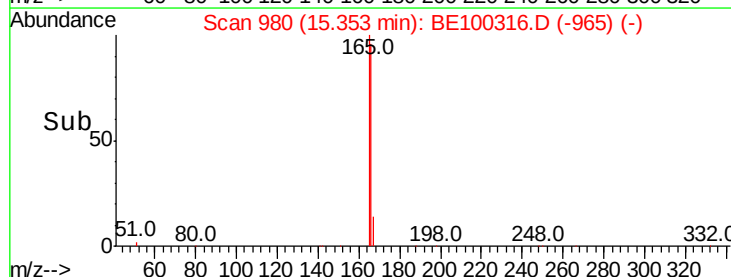
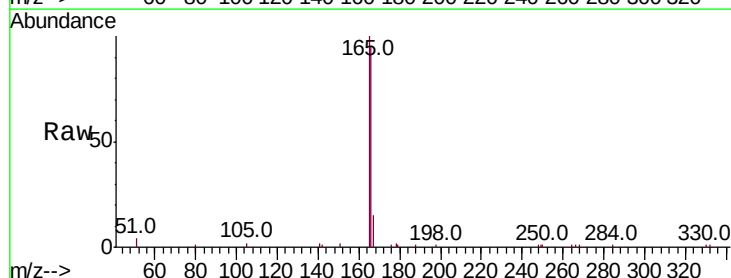
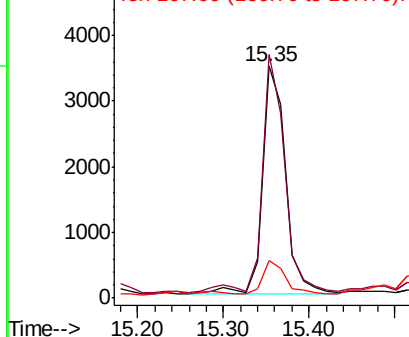
Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.0	81.1	121.7
167	14.6	10.7	16.1

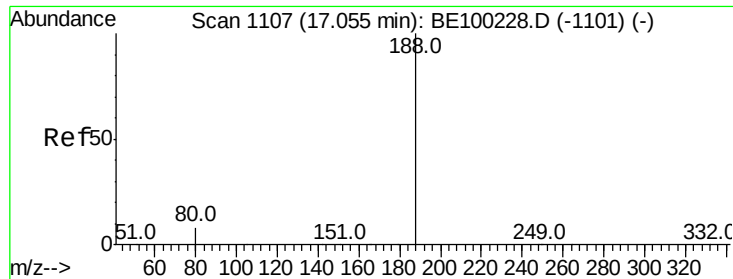
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





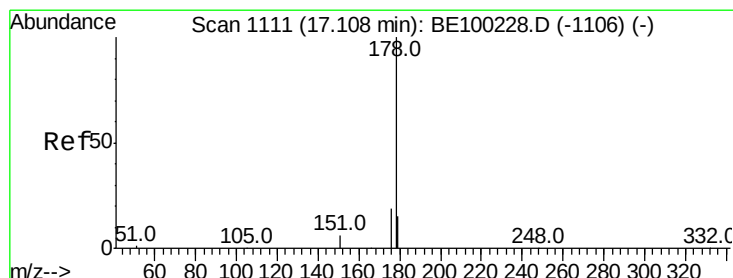
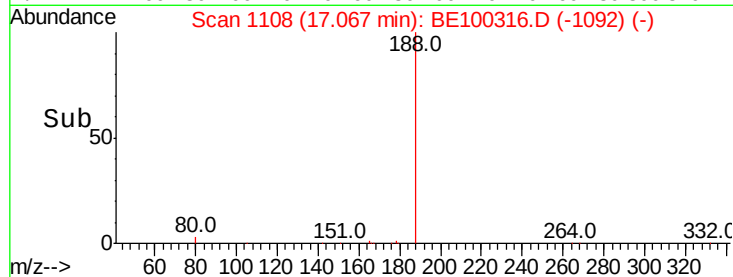
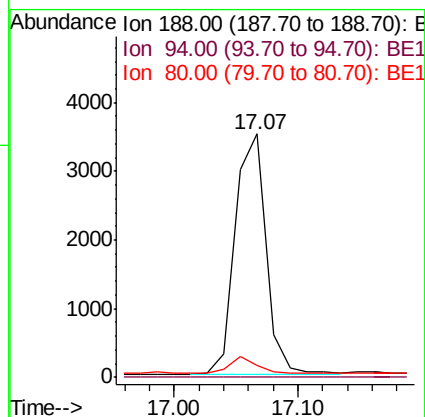
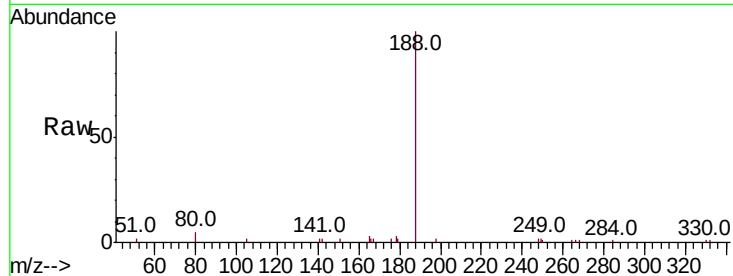
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Instrument :
BNA_E
ClientSampleId :
PST-008-B036-061819DL

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	4.8	7.6	11.4#

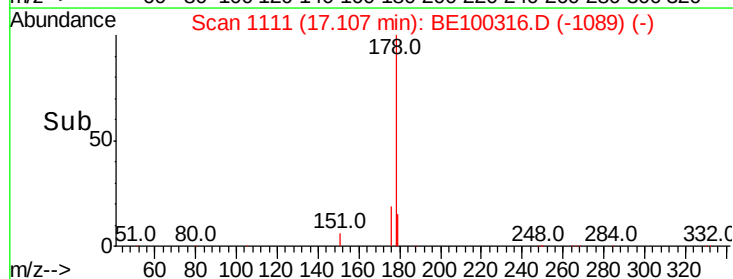
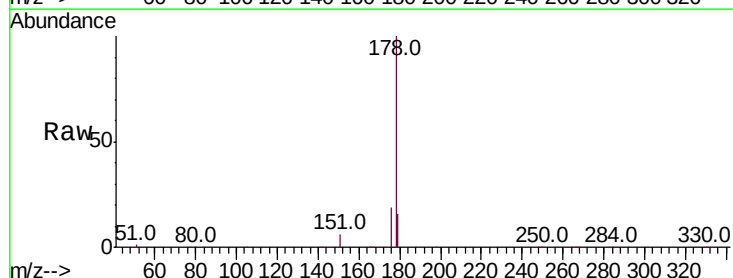
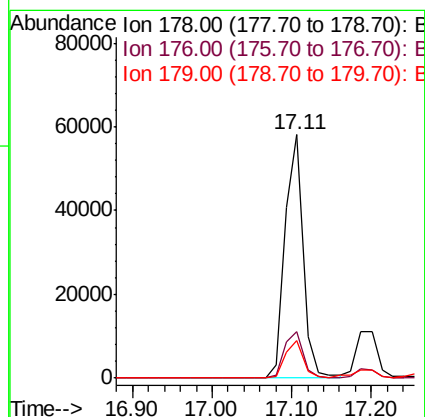
Manual Integrations
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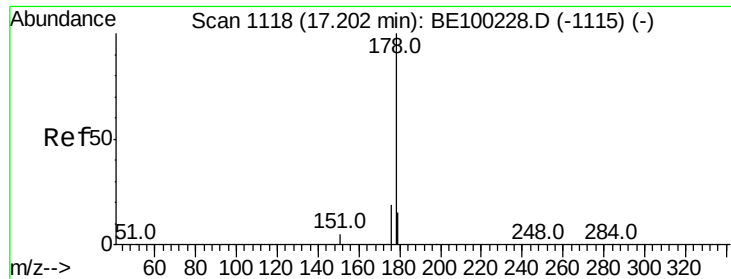
mohammad
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#23
Phenanthrene
Concen: 6.286 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

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





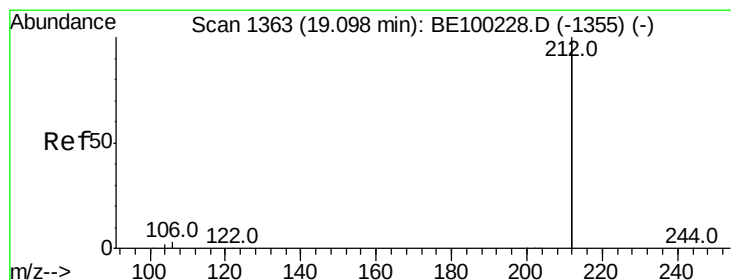
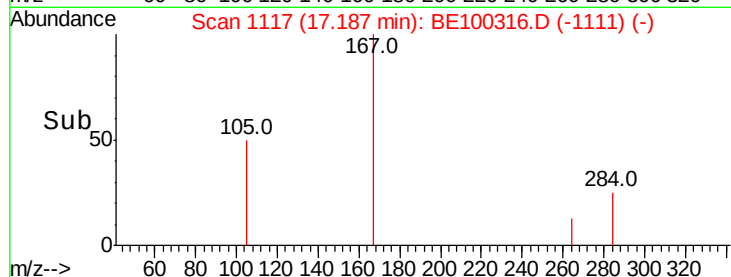
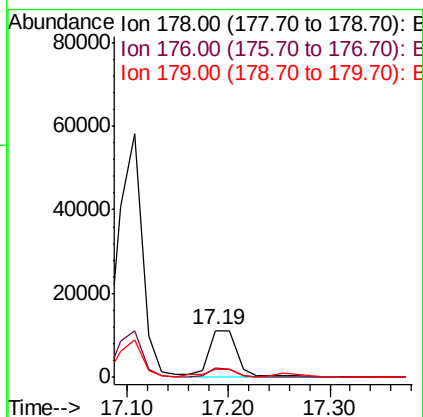
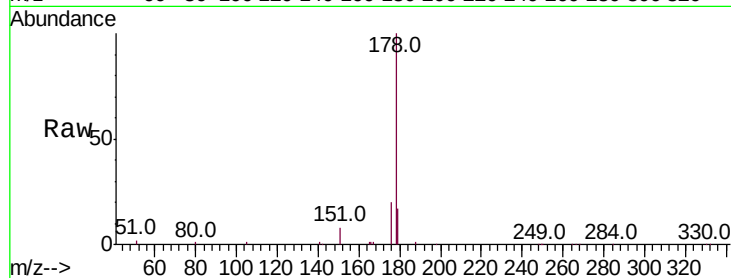
#24
 Anthracene
 Concen: 1.607 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100316.D
 Acq: 2 Jul 2019 23:28

Instrument :
 BNA_E
 ClientSampleId :
 PST-008-B036-061819DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	17.8	12.2	18.2

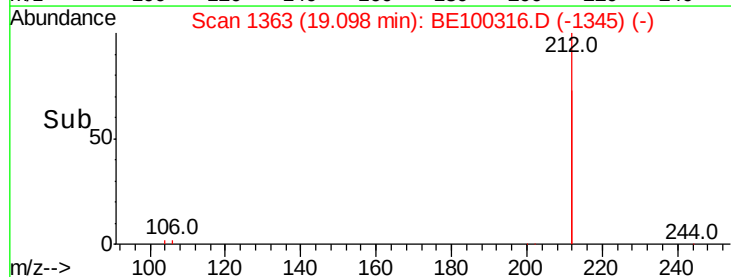
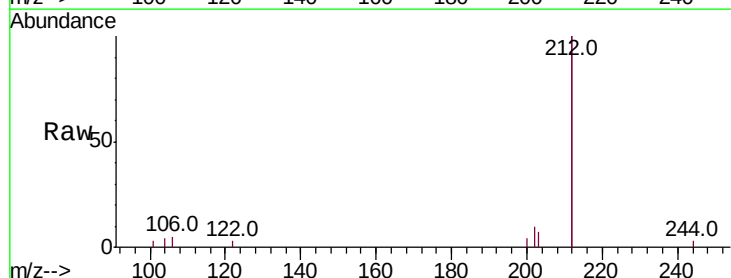
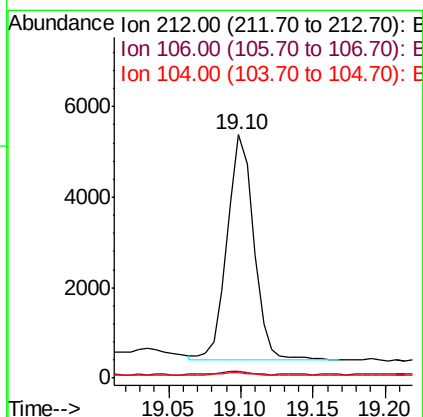
Manual Integrations
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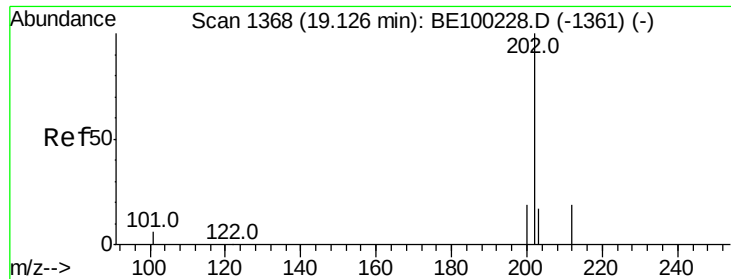
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.074 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100316.D
 Acq: 2 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.3	1.9
104	1.1	0.8	1.2





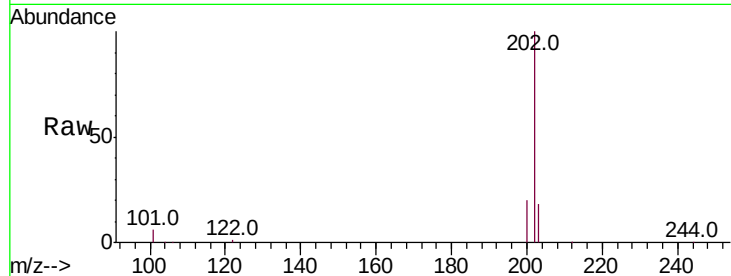
#26
Fluoranthene
 Concen: 6.098 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100316.D
 Acq: 2 Jul 2019 23:28

Instrument :
 BNA_E
 ClientSampleId :
 PST-008-B036-061819DL

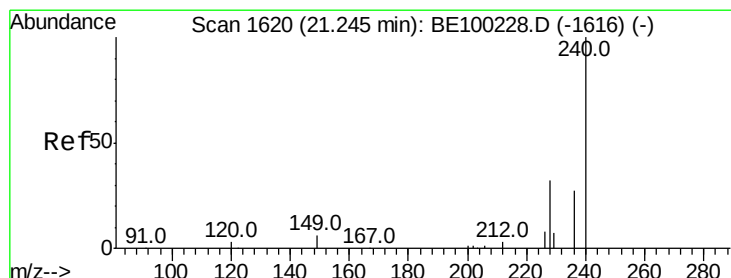
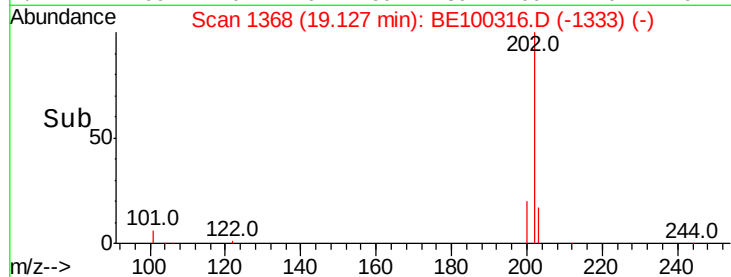
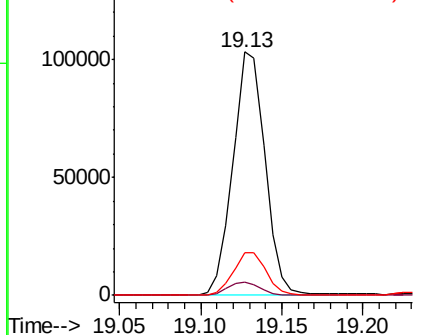
Tot Ion	Ratio	Lower	Upper
202	100		
101	5.4	4.6	7.0
203	17.6	13.7	20.5

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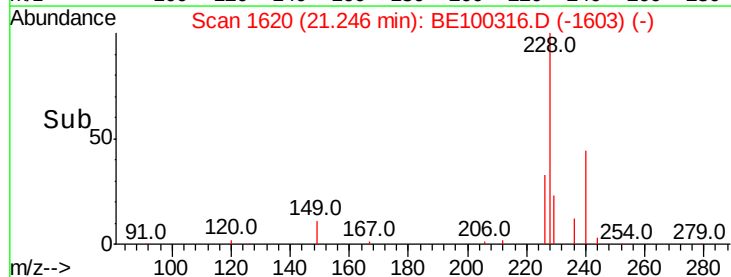
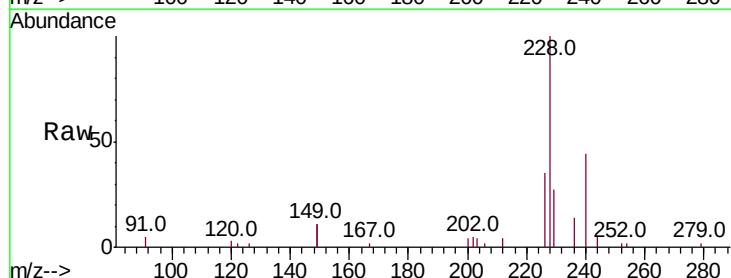
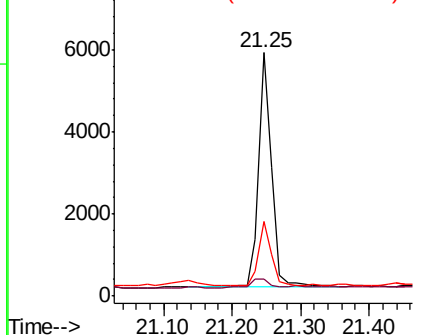
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

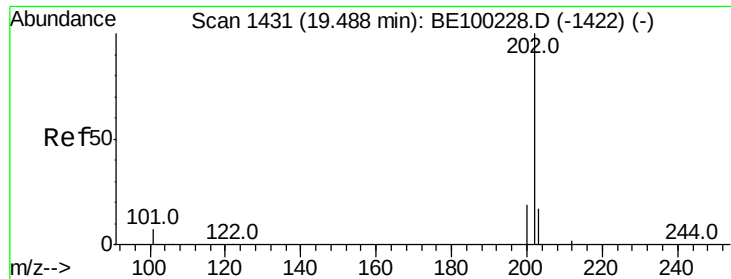


#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100316.D
 Acq: 2 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.0	3.3	4.9#
236	30.5	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





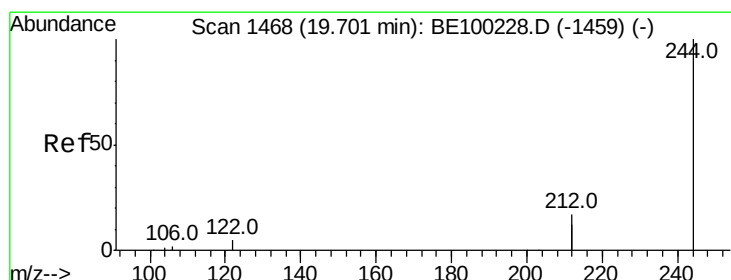
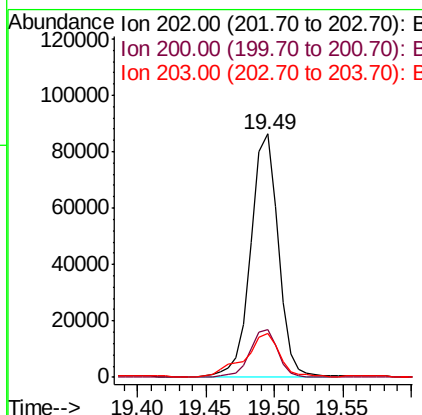
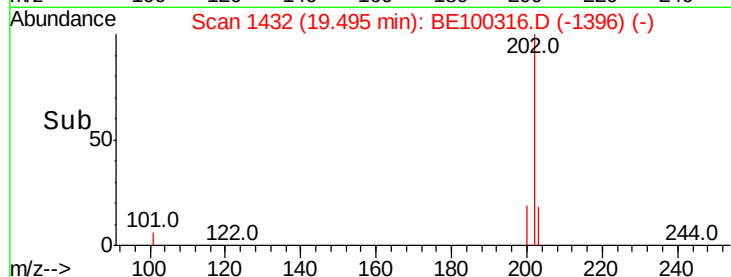
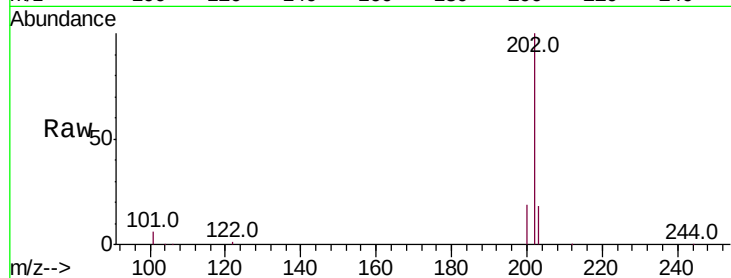
#28
Pvrene
Concen: 5.818 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Instrument :
BNA_E
ClientSampleId :
PST-008-B036-061819DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.7	15.6	23.4
203	22.1	14.0	21.0

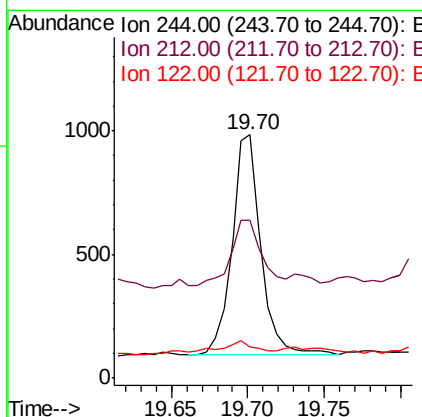
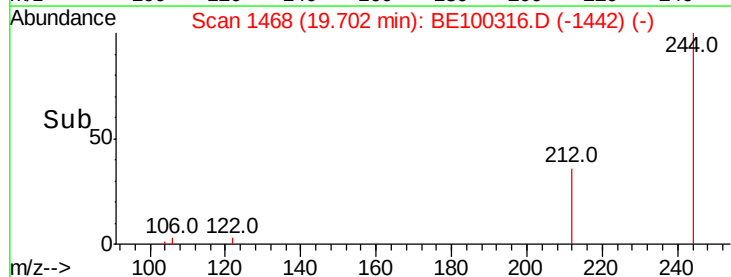
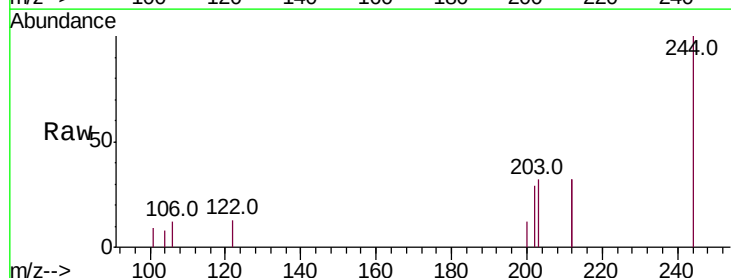
Manual Integrations
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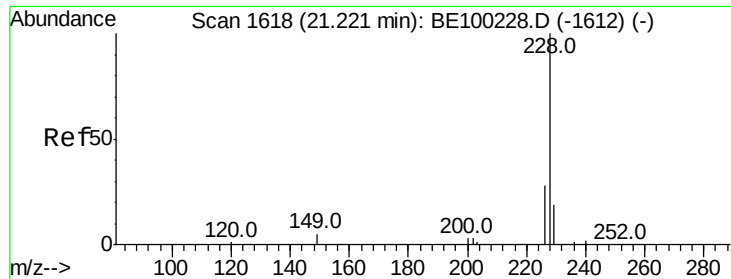
mohammad
7/3/2019 10:49:27 PM



#29
Terphenyl-d14
Concen: 0.074 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	64.8	27.3	40.9
122	13.0	4.7	7.1





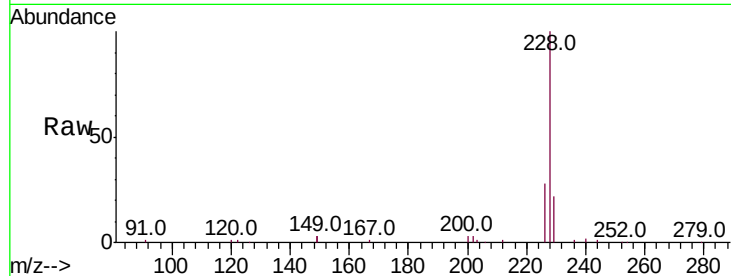
#30
Benzo(a)anthracene
Concen: 3.099 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Instrument :
BNA_E
ClientSampleId :
PST-008-B036-061819DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.2	34.8
229	21.7	15.7	23.5

Manual Integrations
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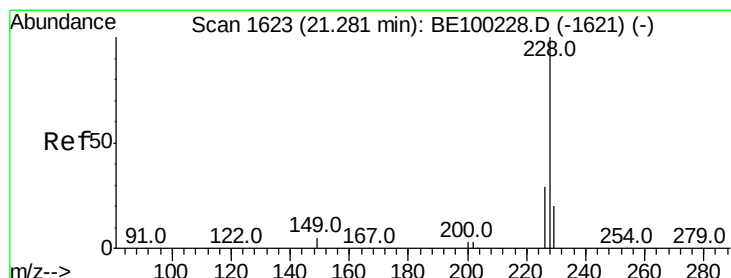
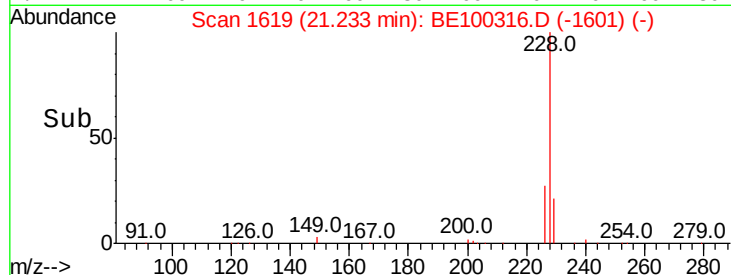
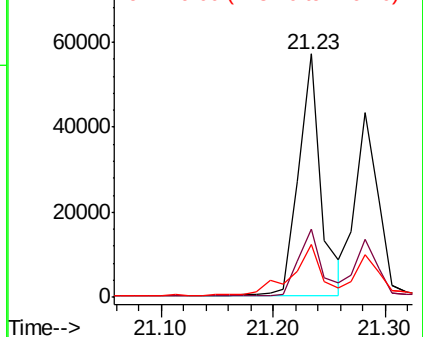


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 2.359 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

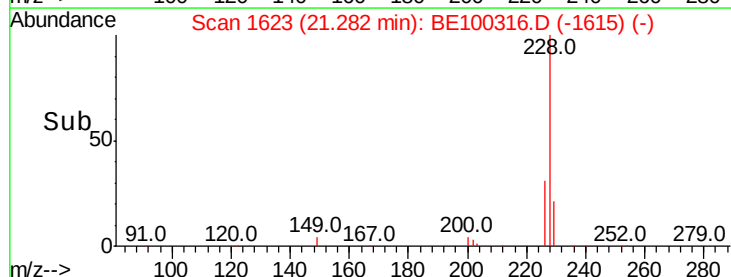
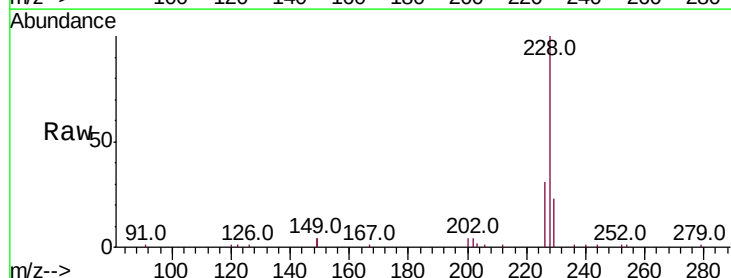
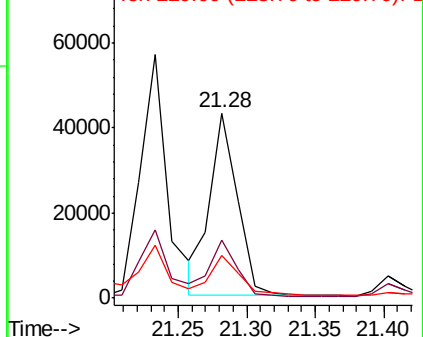
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.9	35.9
229	23.0	16.5	24.7

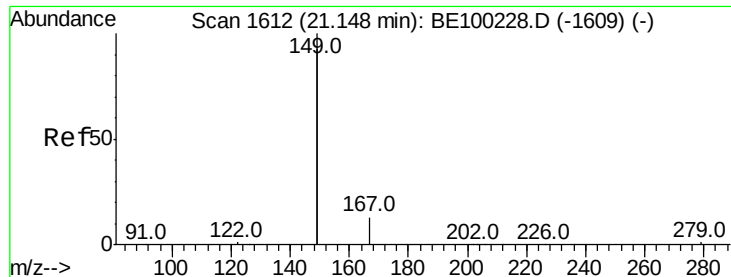
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





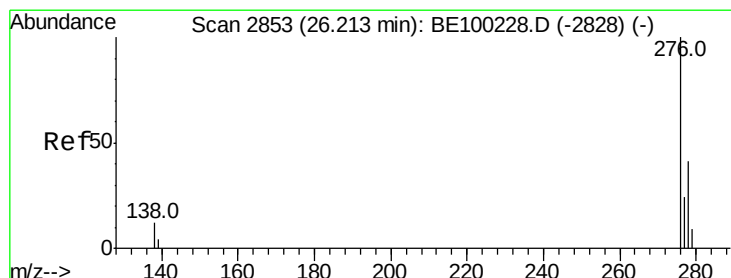
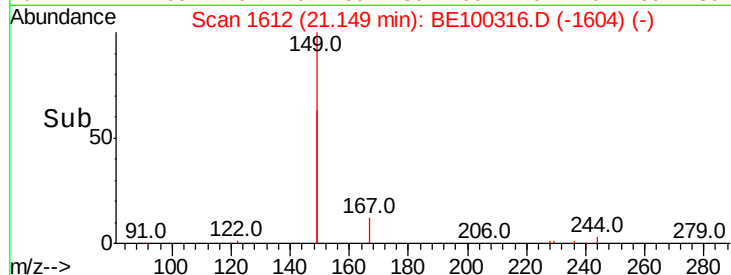
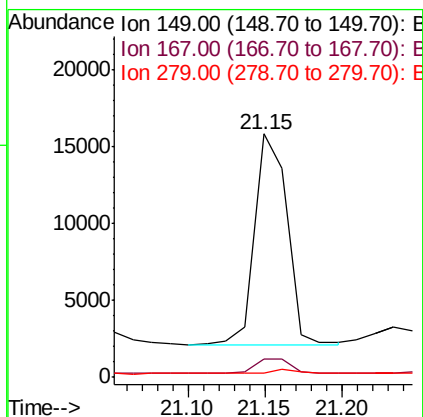
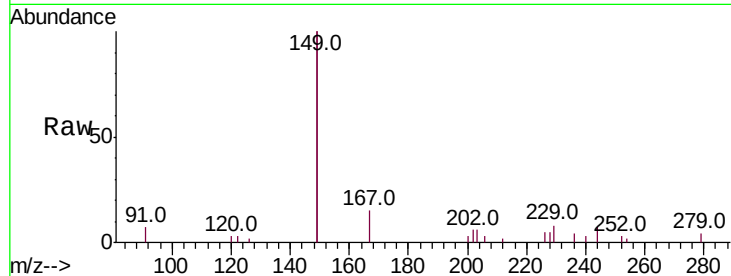
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.503 ng
RT: 21.15 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Instrument :
BNA_E
ClientSampleId :
PST-008-B036-061819DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.7	5.8	8.8
279	1.6	1.1	1.7

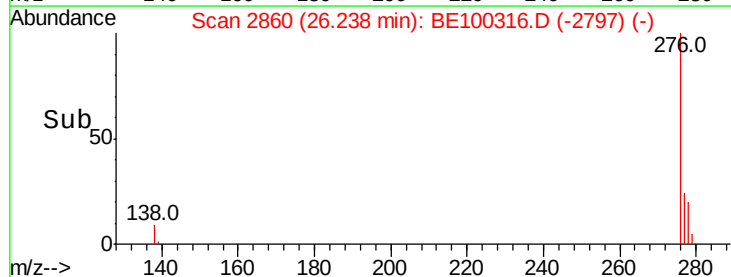
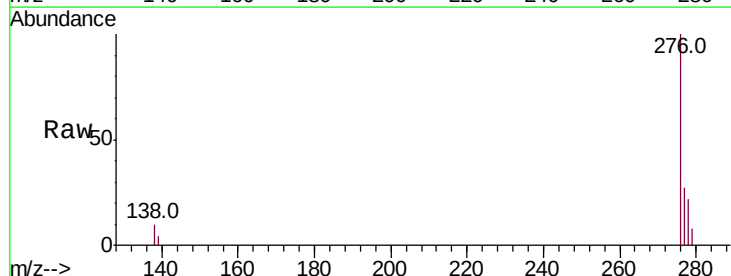
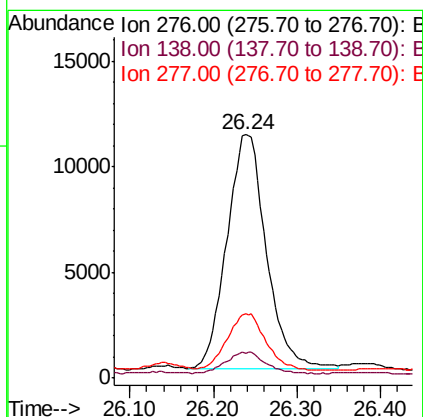
Manual Integrations
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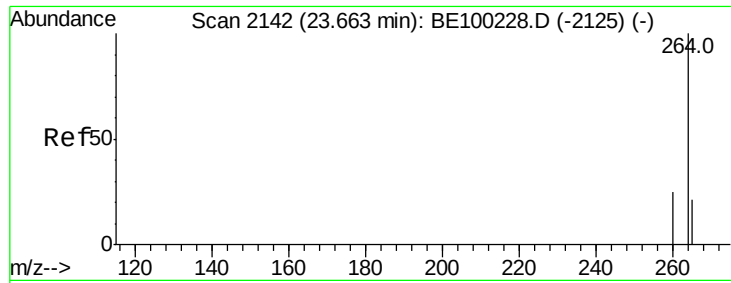
mohammad
7/3/2019 10:49:27 PM



#33
Indeno(1,2,3-cd)pyrene
Concen: 1.076 ng
RT: 26.24 min Scan# 2860
Delta R.T. 0.02 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.0	9.4	14.0#
277	23.9	19.2	28.8





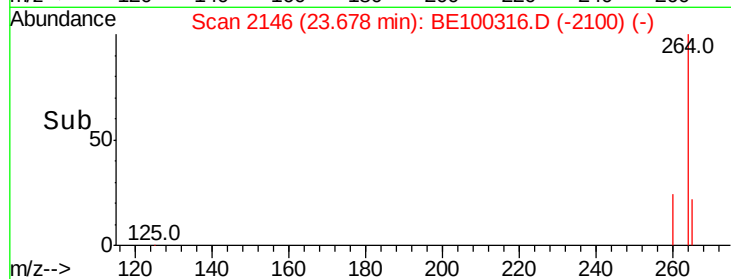
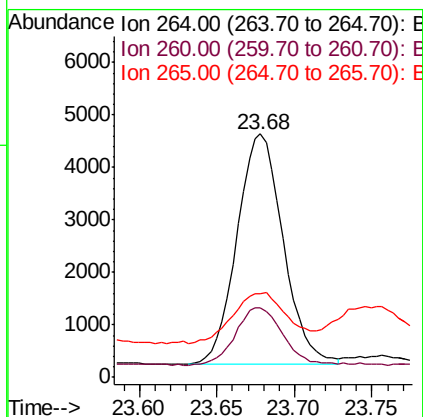
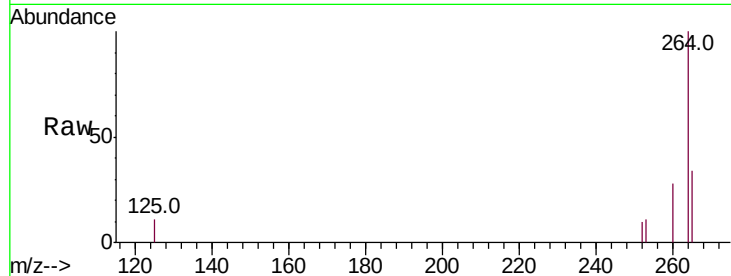
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2146
Delta R.T. 0.02 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Instrument :
BNA_E
ClientSampleId :
PST-008-B036-061819DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.5	20.8	31.2
265	34.2	21.8	32.6

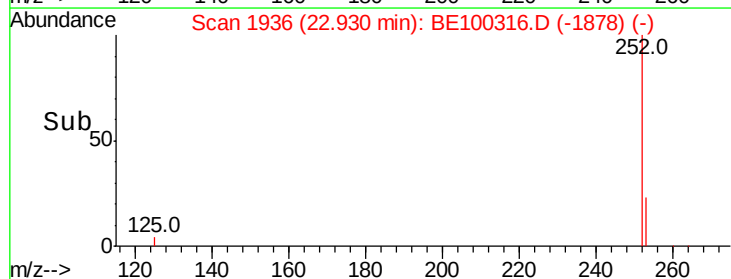
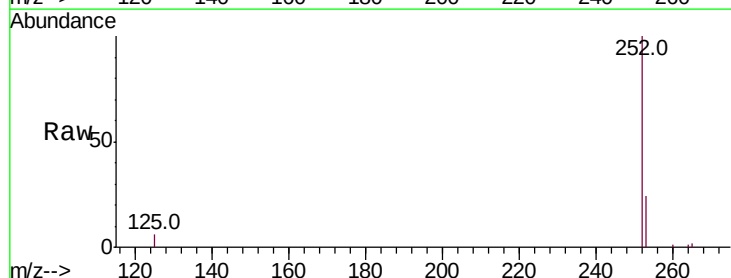
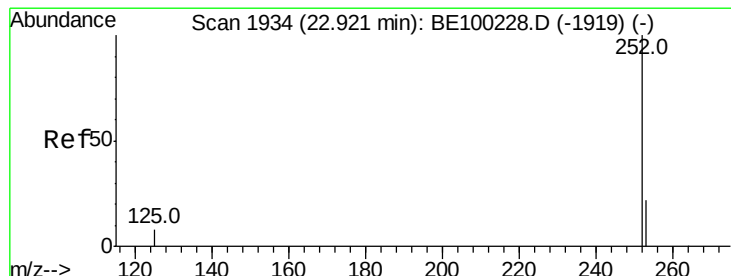
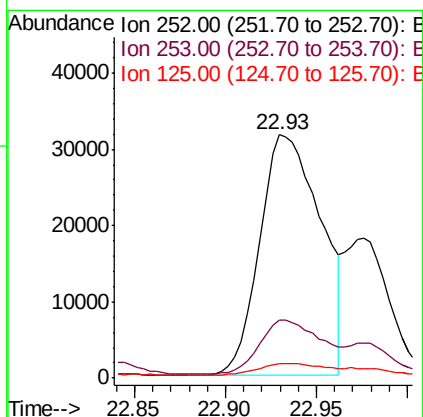
Manual Integrations
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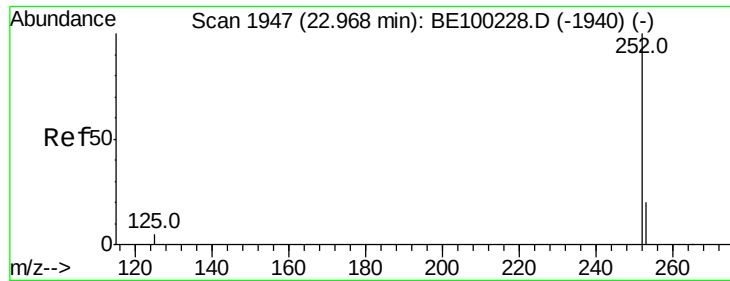
mohammad
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#35
Benzo(b)fluoranthene
Concen: 2.987 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.2	28.8
125	5.8	7.4	11.0





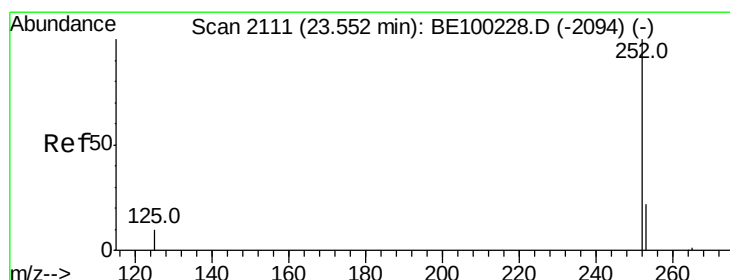
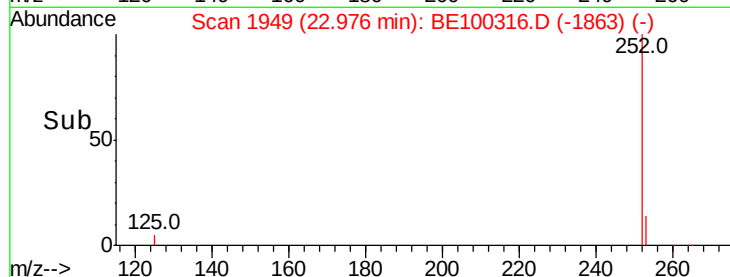
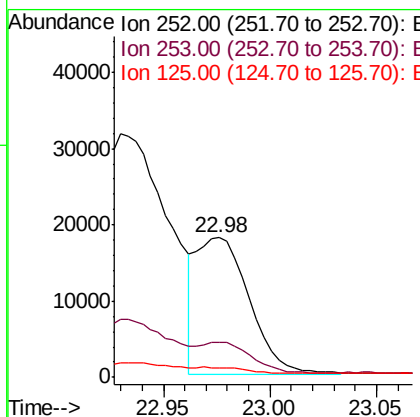
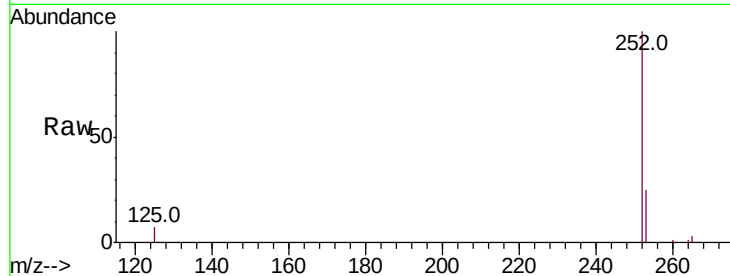
#36
Benzo(k)fluoranthene
Concen: 1.128 ng m
RT: 22.98 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Instrument :
BNA_E
ClientSampleId :
PST-008-B036-061819DL

Tot Ion:252 Resp: 31090
Ion Ratio Lower Upper
252 100
253 25.3 17.9 26.9
125 7.1 5.0 7.4

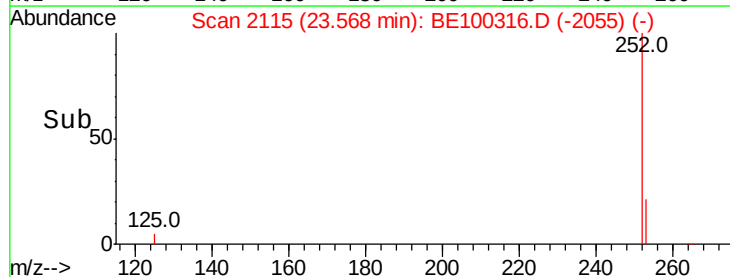
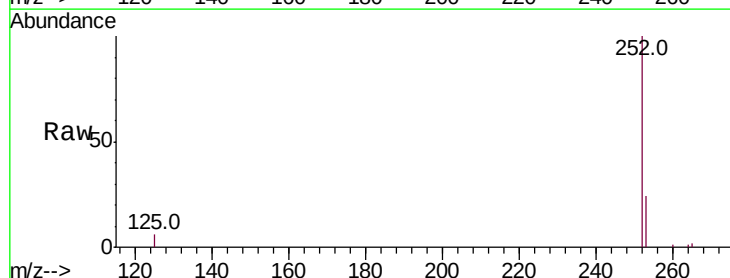
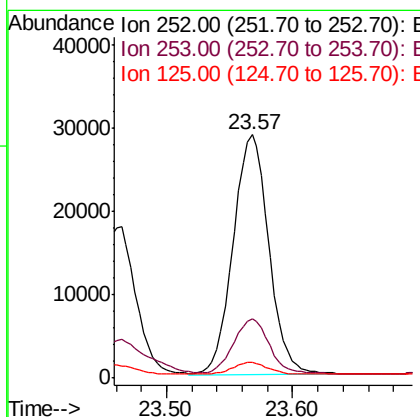
Manual Integrations
APPROVED

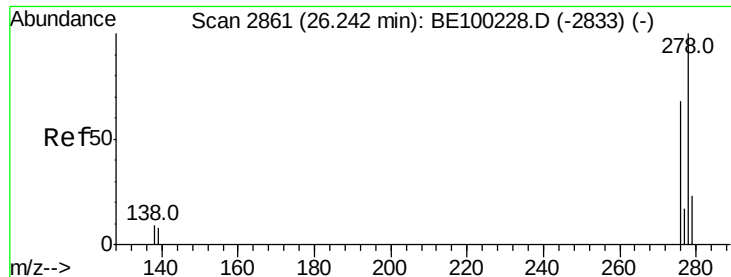
mohammad
7/3/2019 10:49:27 PM



#37
Benzo(a)pyrene
Concen: 2.305 ng m
RT: 23.57 min Scan# 2115
Delta R.T. 0.02 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion:252 Resp: 57059
Ion Ratio Lower Upper
252 100
253 24.1 19.6 29.4
125 6.4 9.0 13.6#





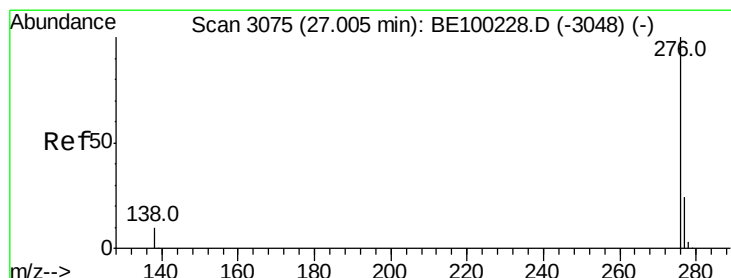
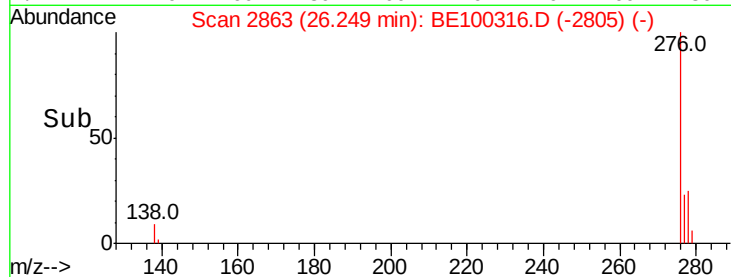
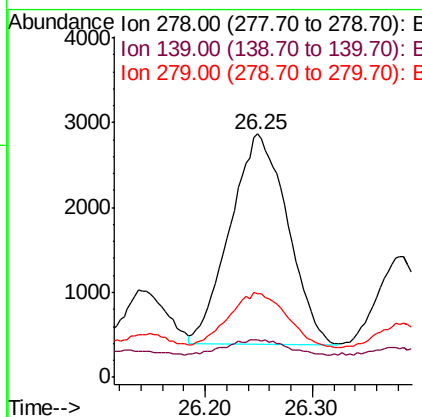
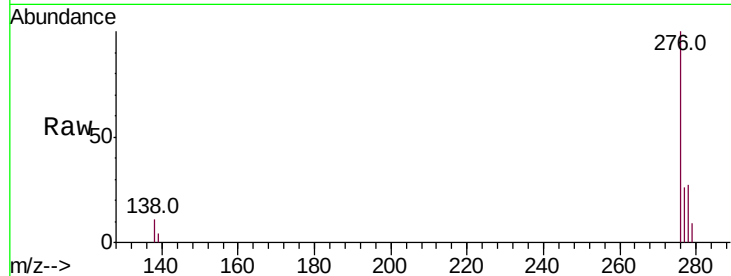
#38
Dibenzo(a,h)anthracene
Concen: 0.356 ng
RT: 26.25 min Scan# 2863
Delta R.T. 0.01 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Instrument :
BNA_E
ClientSampleId :
PST-008-B036-061819DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.3	8.2	12.2#
279	34.3	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/3/2019 10:49:27 PM



#39
Benzo(g,h,i)perylene
Concen: 1.245 ng
RT: 27.03 min Scan# 3083
Delta R.T. 0.03 min
Lab File: BE100316.D
Acq: 2 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.2	30.2
138	10.8	9.0	13.6

