

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100264.D
 Acq On : 1 Jul 2019 14:17
 Operator : JU/SJ
 Sample : K3445-15
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B198-061719

Manual Integrations
 APPROVED

mohammad
 7/3/2019 9:47:40 AM

Quant Time: Jul 02 03:17:44 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	920	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3077	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2490	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7759	0.40	ng	0.00
27) Chrysene-d12	21.25	240	9776	0.40	ng	0.00
34) Perylene-d12	23.67	264	11469	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.22	112	649	0.28	ng	0.00
5) Phenol-d6	6.83	99	924	0.30	ng	0.00
8) Nitrobenzene-d5	8.81	82	886	0.29	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	2186	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	495	0.28	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	2747	0.28	ng	0.00
25) Fluoranthene-d10	19.10	212	37485	0.33	ng	0.00
29) Terphenyl-d14	19.70	244	7435	0.37	ng	0.00

Target Compounds

						Qvalue
17) Acenaphthene	14.38	154	144	0.021	ng	# 93
23) Phenanthrene	17.11	178	4207	0.224	ng	# 98
24) Anthracene	17.20	178	738	0.044	ng	# 97
26) Fluoranthene	19.13	202	8061	0.269	ng	# 100
28) Pyrene	19.49	202	7413	0.286	ng	# 95
30) Benzo(a)anthracene	21.23	228	4992	0.155	ng	# 89
31) Chrysene	21.28	228	4221	0.131	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.15	149	5986	0.074	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.23	276	2561	0.060	ng	# 98
35) Benzo(b)fluoranthene	22.93	252	5236	0.168	ng	# 80
36) Benzo(k)fluoranthene	22.97	252	1961m	0.056	ng	# 78
37) Benzo(a)pyrene	23.56	252	3780	0.121	ng	# 13
38) Dibenzo(a,h)anthracene	26.25	278	679	0.021	ng	# 82
39) Benzo(g,h,i)perylene	27.02	276	2619	0.078	ng	#

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

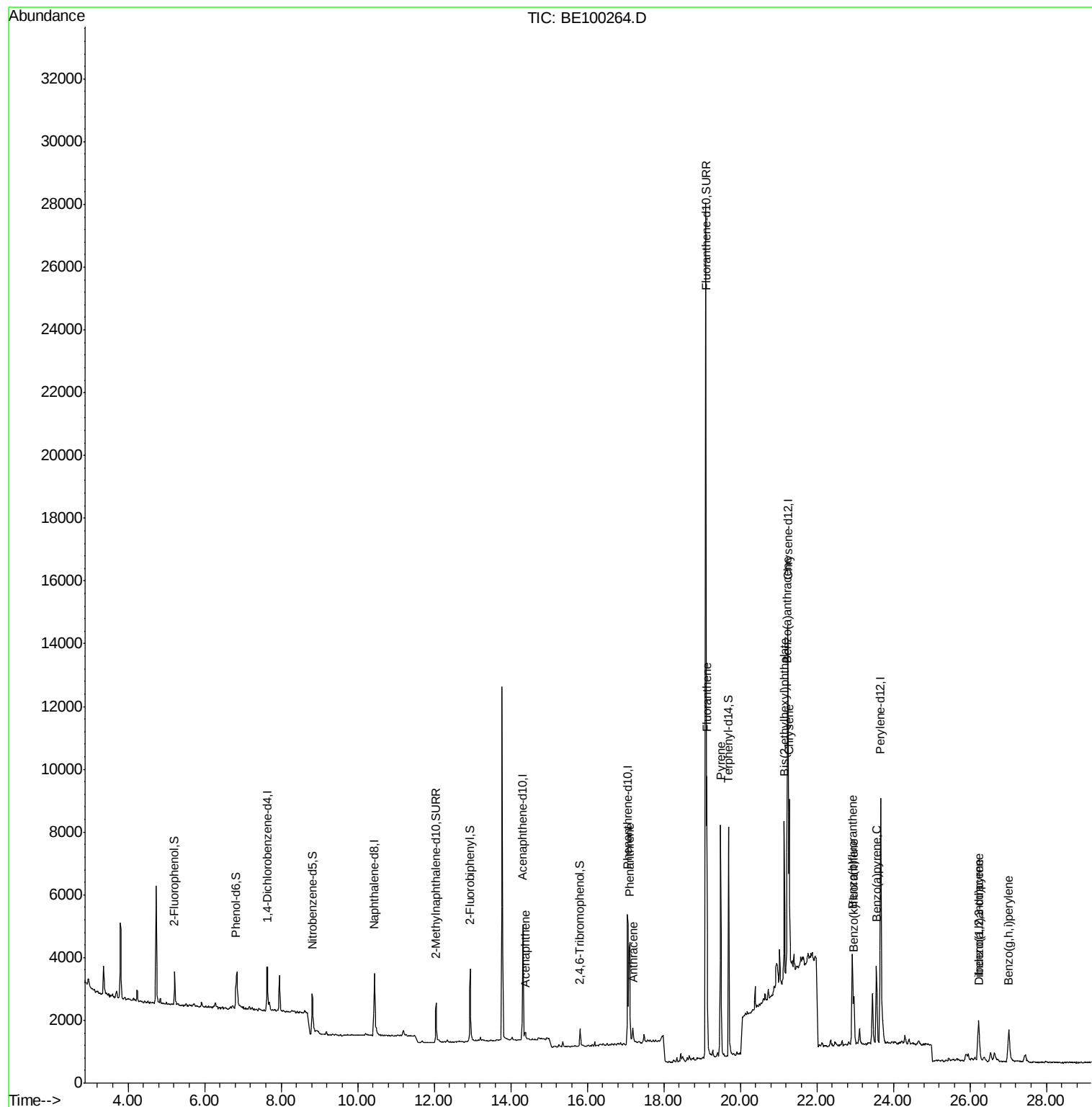
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
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Sample : K3445-15
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ALS Vial : 7 Sample Multiplier: 1

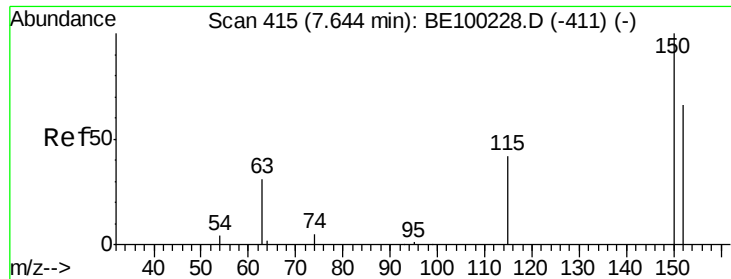
Instrument :
BNA_E
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PST-001-B198-061719

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Quant Time: Jul 02 03:17:44 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

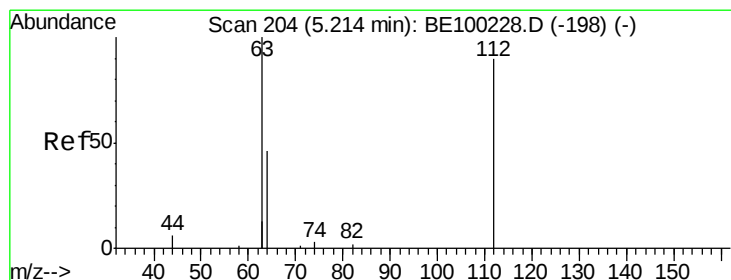
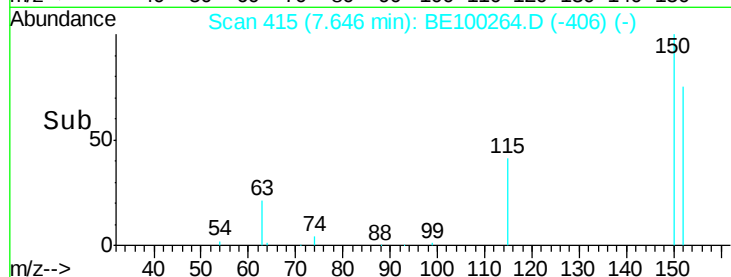
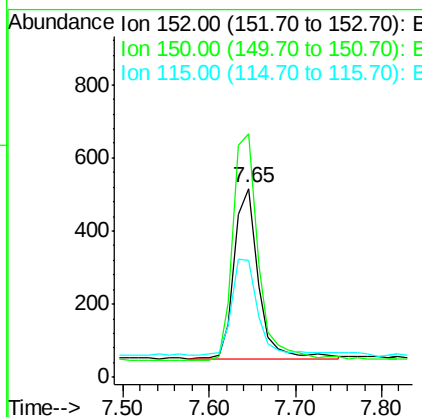
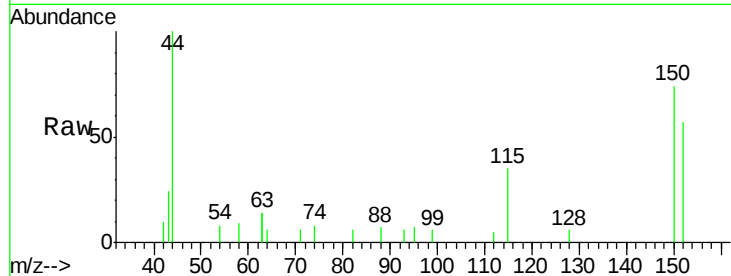
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Instrument :
BNA_E
ClientSampleId :
PST-001-B198-061719

Tot Ion	Ratio	Lower	Upper
152	100		
150	128.8	114.5	171.7
115	61.5	57.1	85.7

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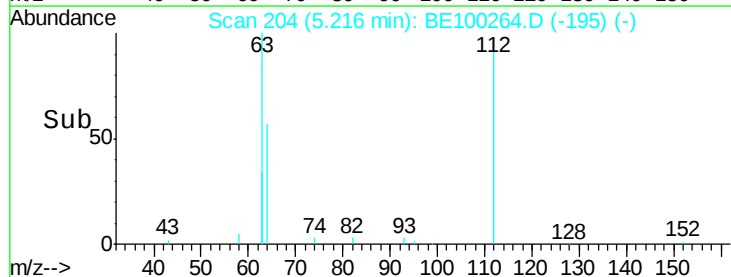
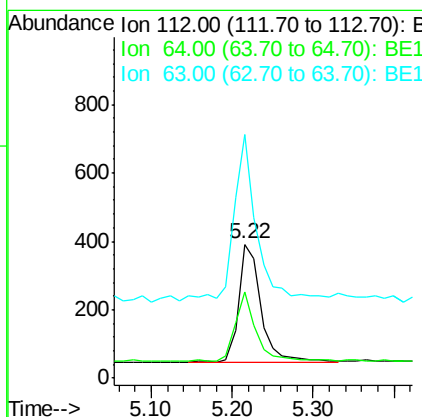
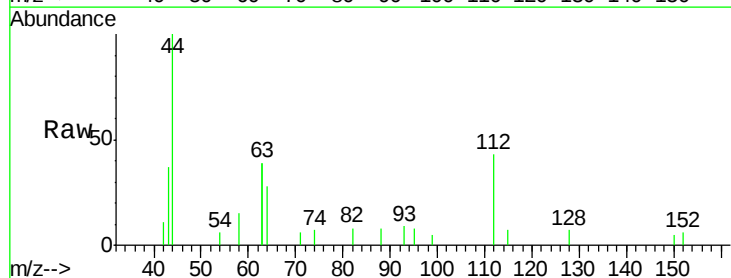
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#4

2-Fluorophenol
Concen: 0.277 ng
RT: 5.22 min Scan# 204
Delta R.T. 0.00 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	39.4	59.0
63	147.3	104.5	156.7





#5

Phenol-d6

Concen: 0.299 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100264.D

Acq: 1 Jul 2019 14:17

Instrument :

BNA_E

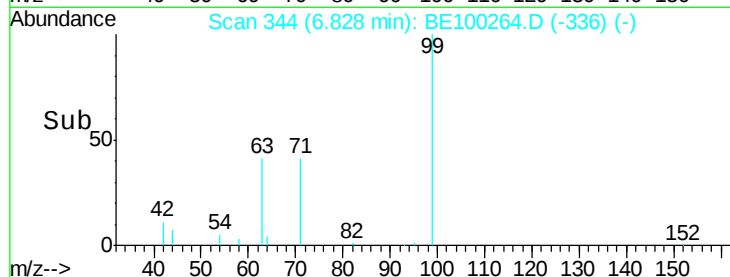
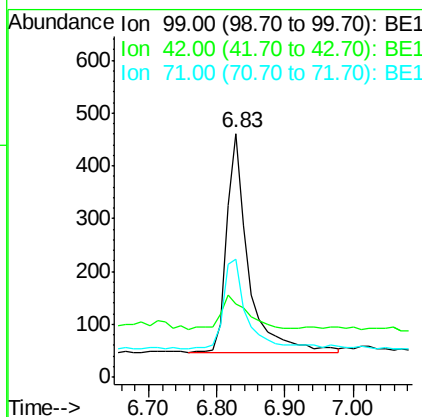
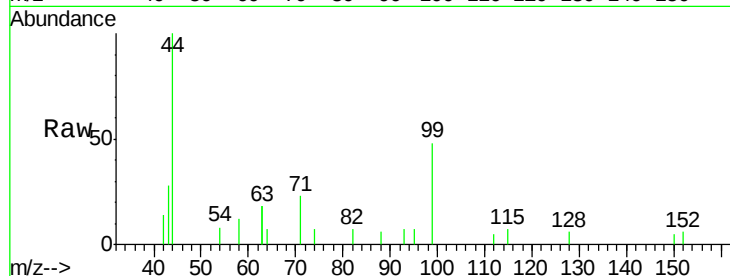
ClientSampleId :

PST-001-B198-061719

Tot Ion:	99	Resp:	924
Ion	Ratio	Lower	Upper
99	100		
42	19.5	11.2	16.8#
71	42.2	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

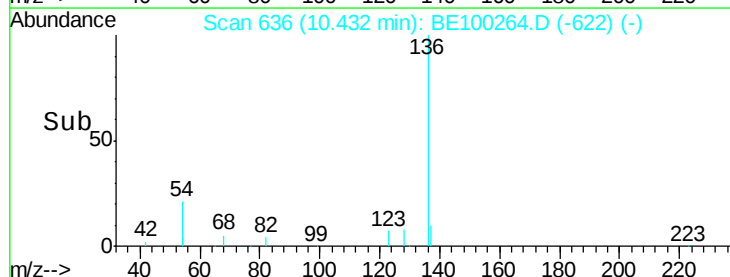
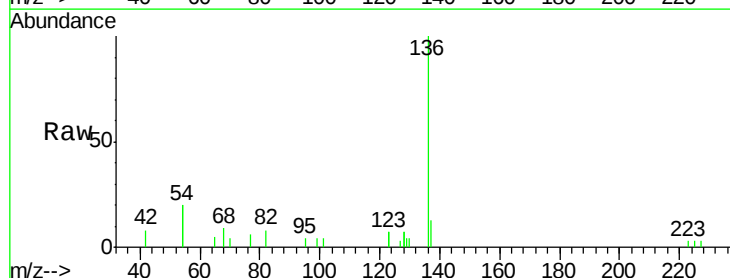
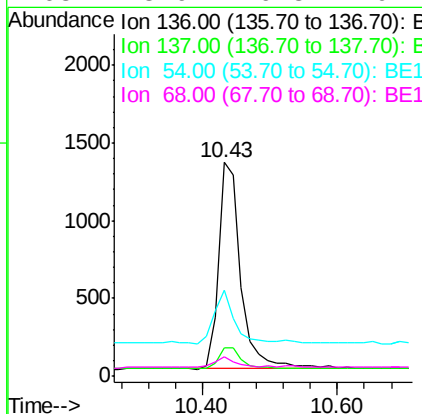
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100264.D

Acq: 1 Jul 2019 14:17

Tgt Ion:	136	Resp:	3077
Ion	Ratio	Lower	Upper
136	100		
137	13.4	11.8	17.8
54	40.1	27.7	41.5
68	8.9	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.290 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100264.D

Acq: 1 Jul 2019 14:17

Instrument :

BNA_E

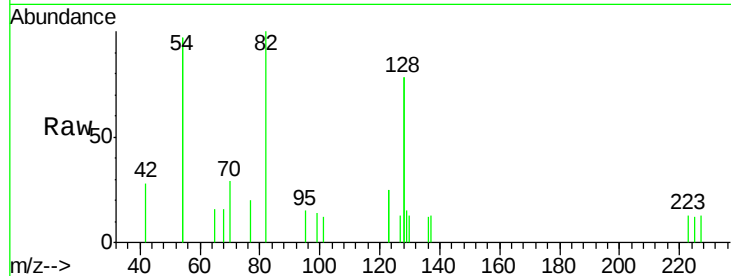
ClientSampleId :

PST-001-B198-061719

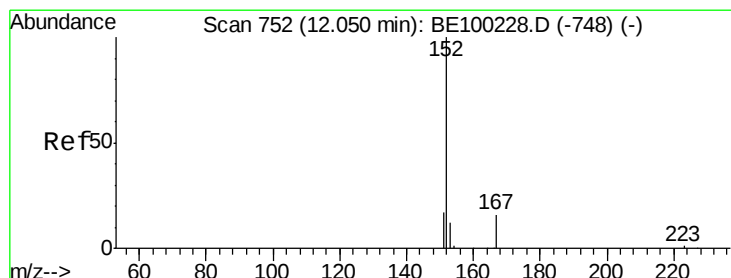
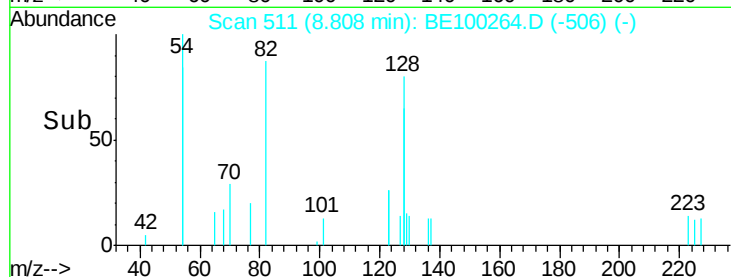
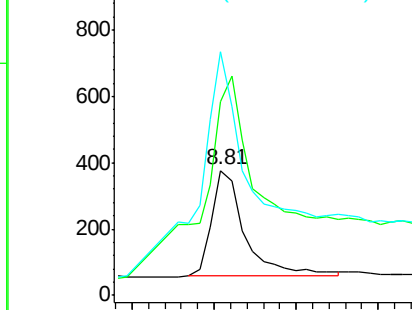
Tot Ion:	82	Resp:	886
Ion	Ratio	Lower	Upper
82	100		
128	155.4	140.9	211.3
54	194.7	146.2	219.2

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



#11

2-Methylnaphthalene-d10

Concen: 0.378 ng

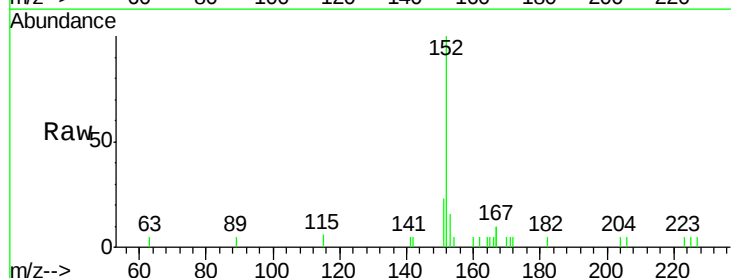
RT: 12.05 min Scan# 752

Delta R.T. 0.00 min

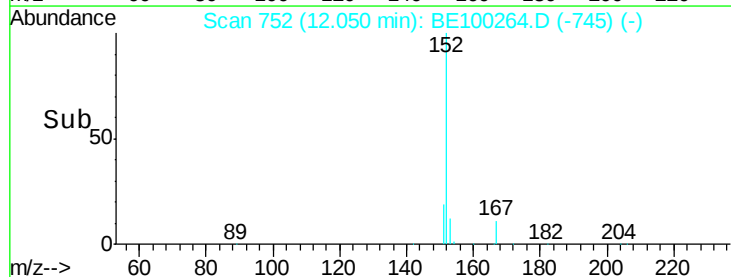
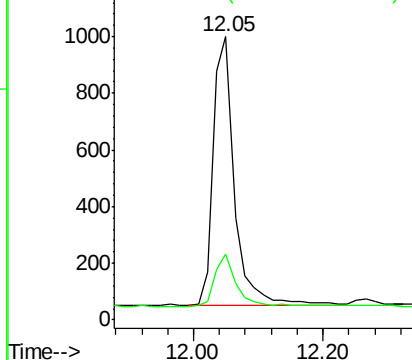
Lab File: BE100264.D

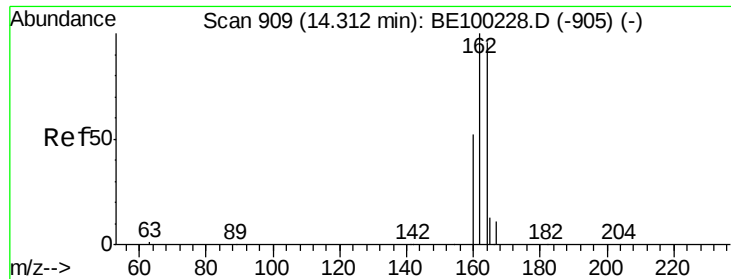
Acq: 1 Jul 2019 14:17

Tgt Ion:	152	Resp:	2186
Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.1	22.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





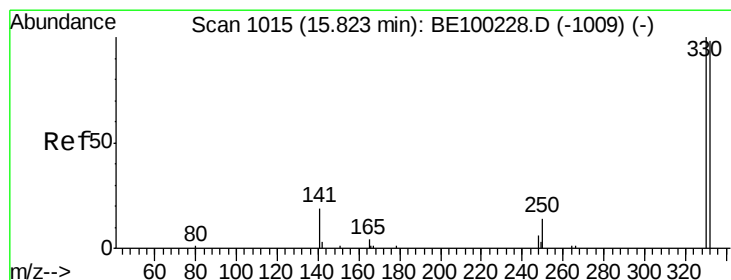
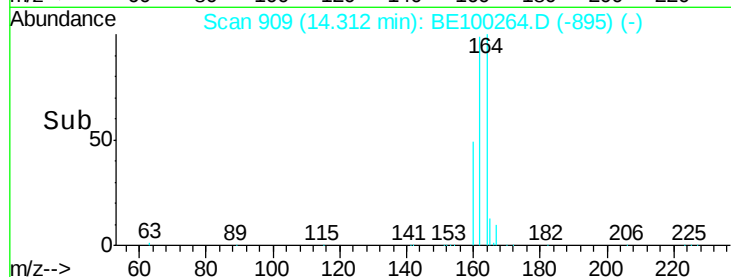
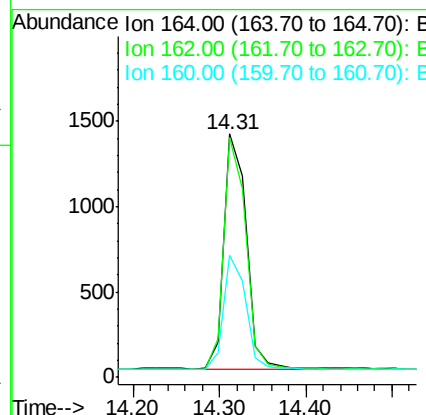
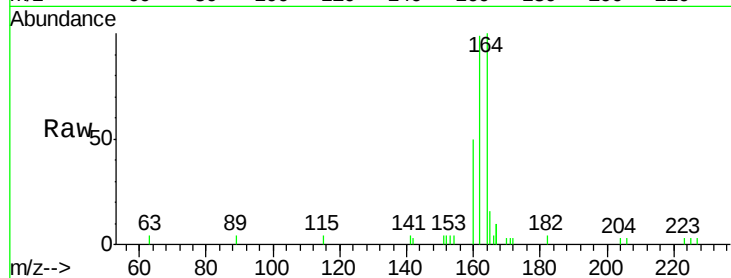
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Instrument :
BNA_E
ClientSampleId :
PST-001-B198-061719

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.6	83.4	125.0
160	50.1	45.0	67.6

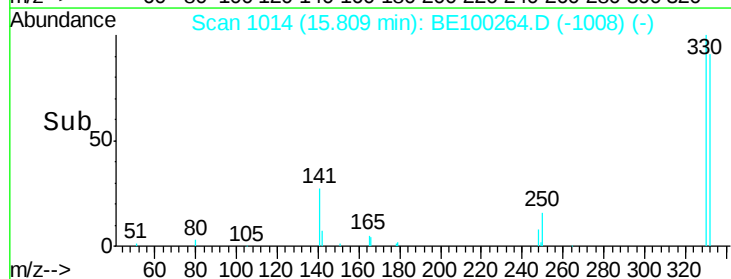
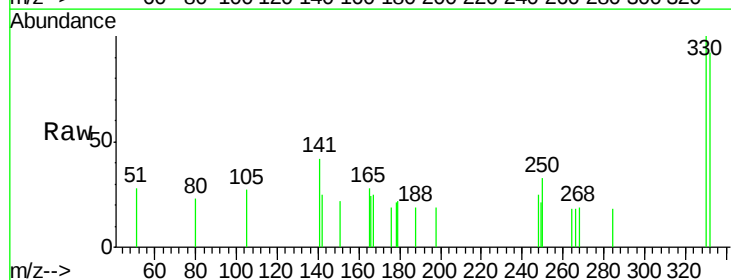
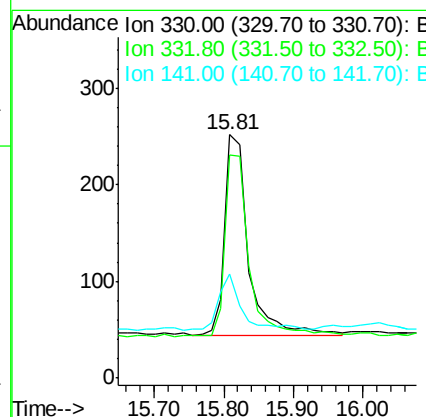
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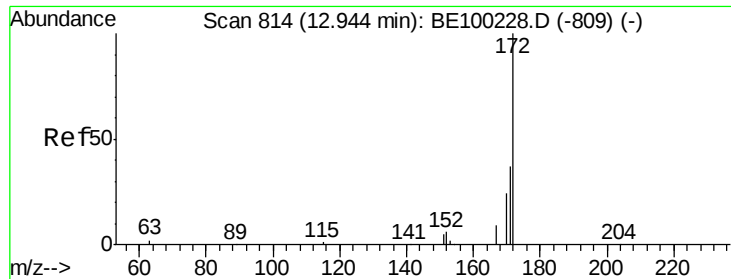
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#14
2,4,6-Tribromophenol
Concen: 0.284 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	89.3	77.0	115.4
141	23.4	22.0	33.0





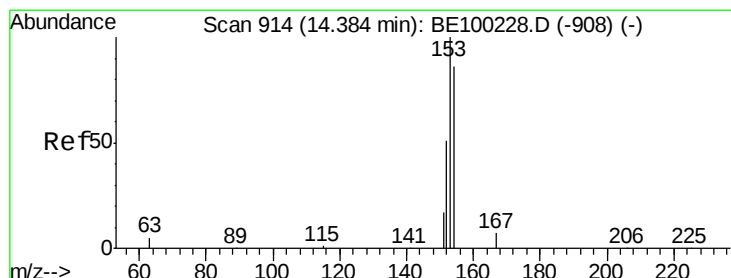
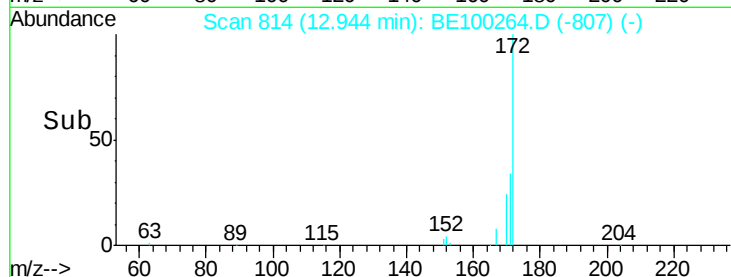
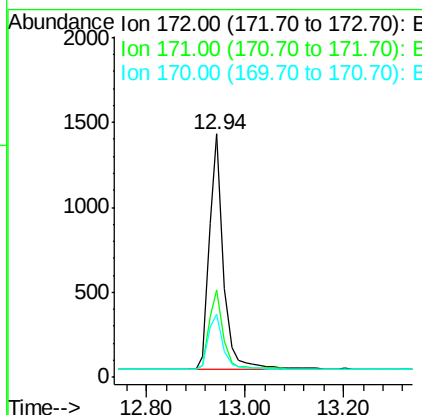
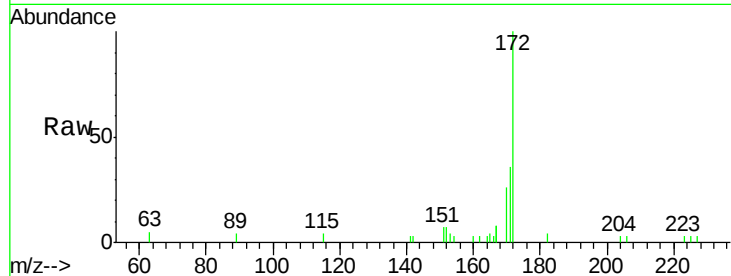
#15
2-Fluorobiphenyl
Concen: 0.283 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Instrument :
BNA_E
ClientSampleId :
PST-001-B198-061719

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	31.9	47.9
170	25.9	22.2	33.2

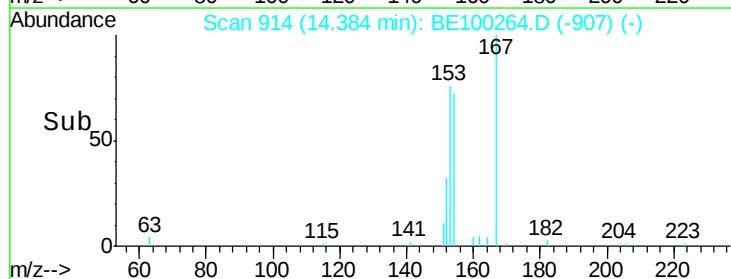
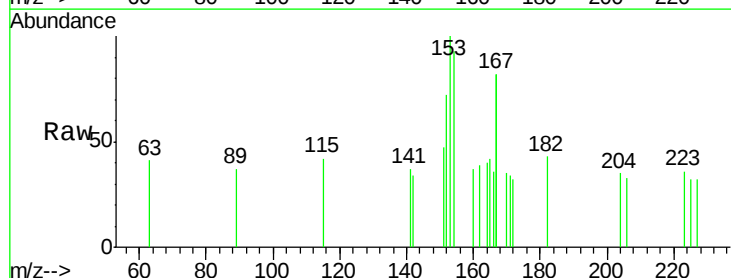
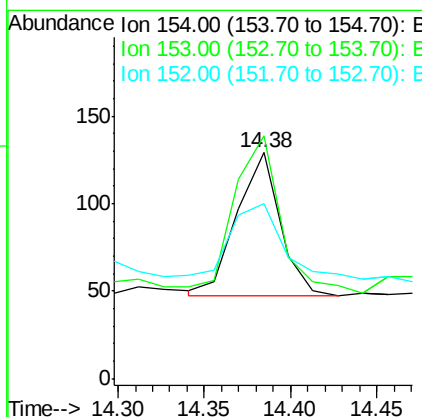
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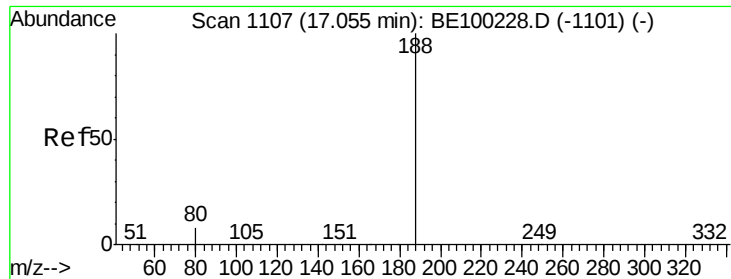
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#17
Acenaphthene
Concen: 0.021 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.3	93.4	140.2
152	74.3	49.4	74.2#





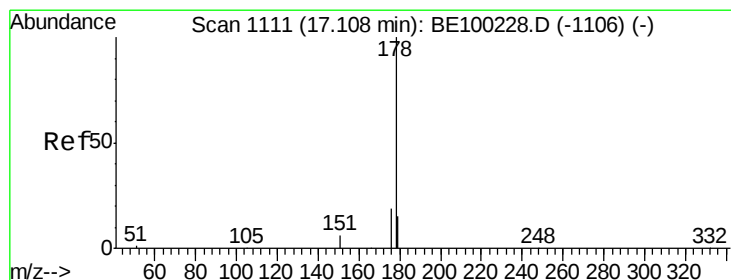
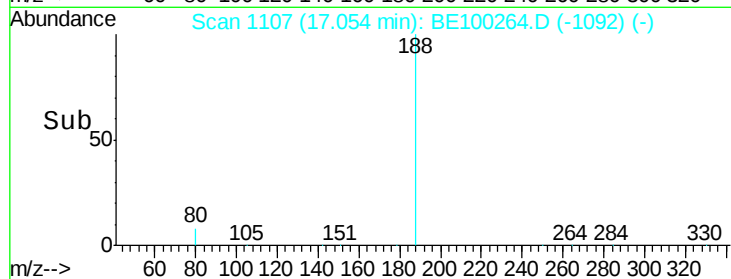
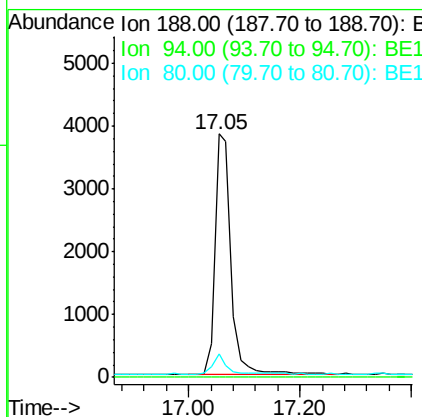
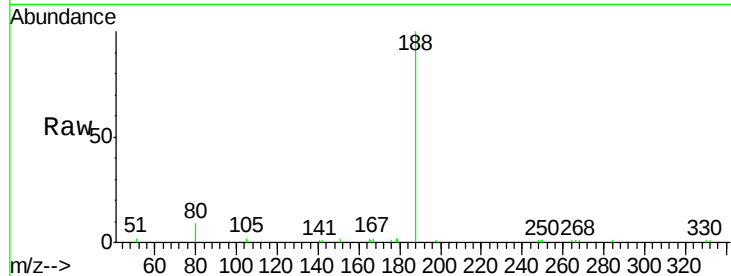
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Instrument :
BNA_E
ClientSampleId :
PST-001-B198-061719

Tot Ion	Ratio	Resp	Lower	Upper
188	100	7759		
94	0.0	0.0	0.0	0.0
80	9.4	7.6	11.4	

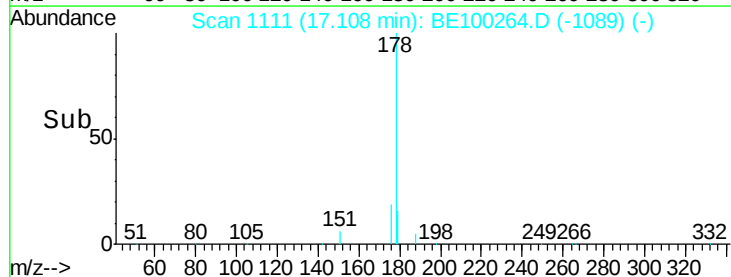
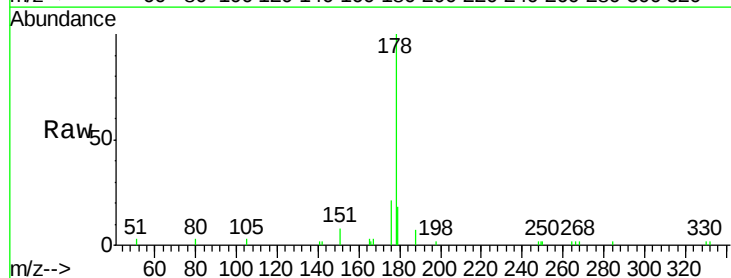
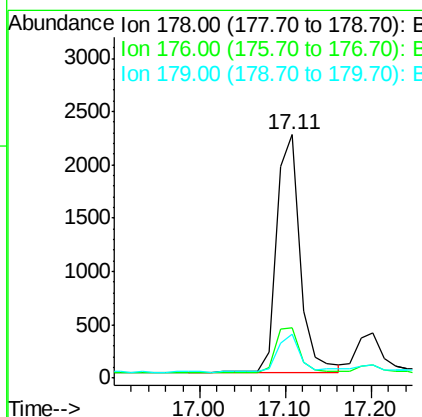
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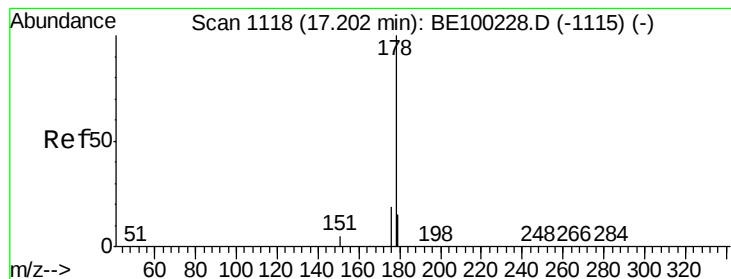
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#23
Phenanthrene
Concen: 0.224 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	4207		
176	19.6	15.9	23.9	
179	16.3	12.2	18.2	





#24

Anthracene

Concen: 0.044 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100264.D

Acq: 1 Jul 2019 14:17

Instrument :

BNA_E

ClientSampleId :

PST-001-B198-061719

Tot Ion:178 Resp: 738

Ion Ratio Lower Upper

178 100

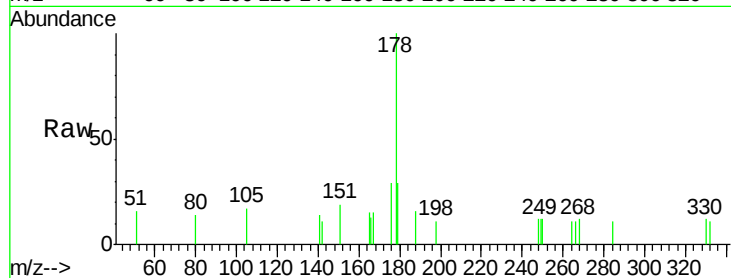
176 19.8 15.3 22.9

179 13.0 12.2 18.2

Manual Integrations
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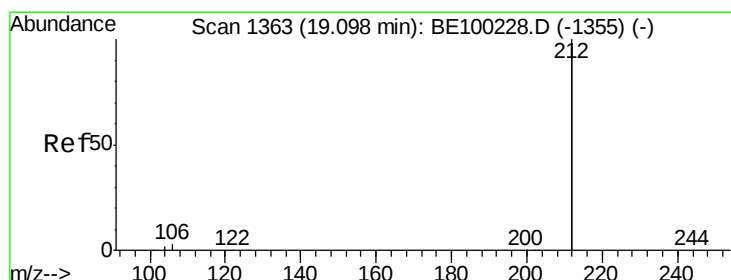
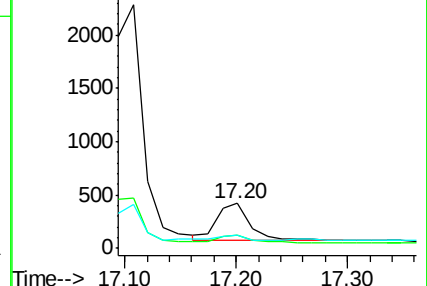
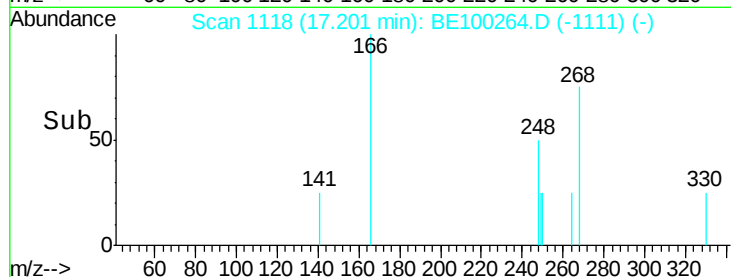
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.333 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100264.D

Acq: 1 Jul 2019 14:17

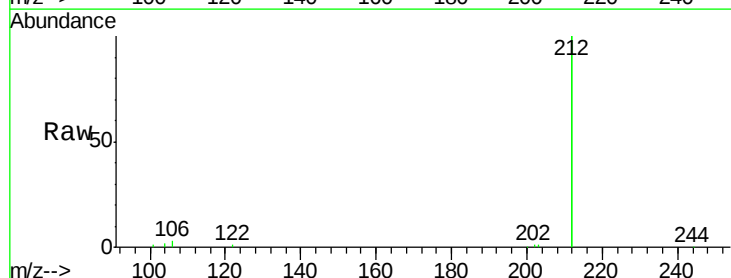
Tgt Ion:212 Resp: 37485

Ion Ratio Lower Upper

212 100

106 1.6 1.3 1.9

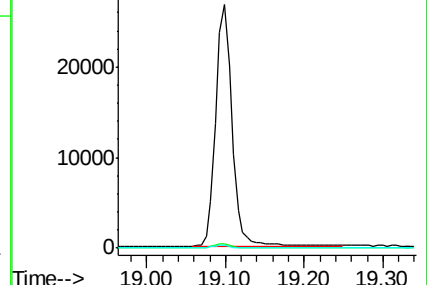
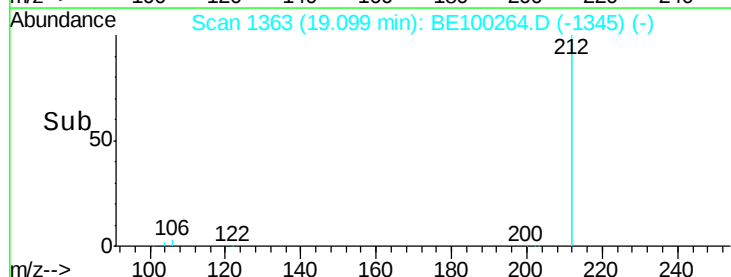
104 1.0 0.8 1.2

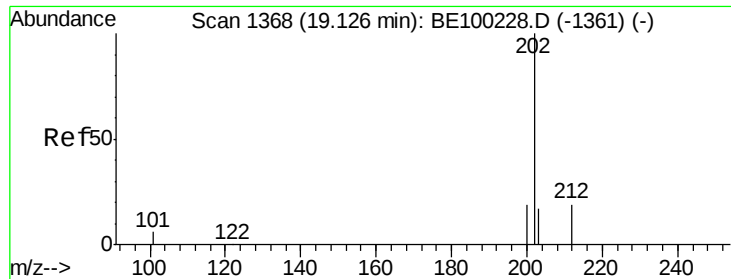


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





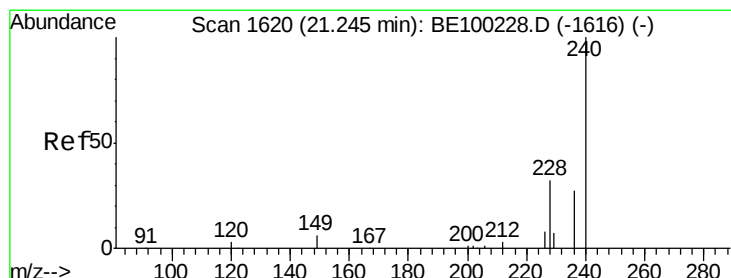
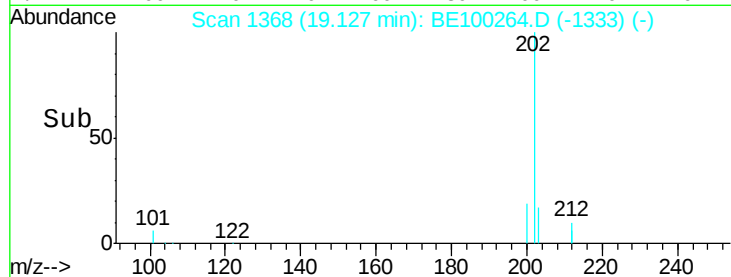
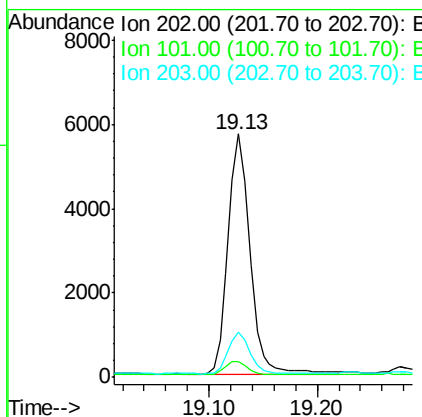
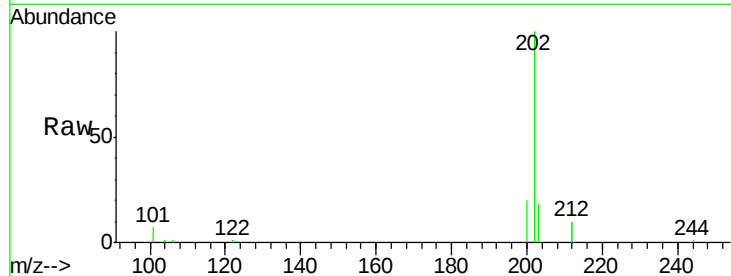
#26
Fluoranthene
Concen: 0.269 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Instrument :
BNA_E
ClientSampleId :
PST-001-B198-061719

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.9	4.6	7.0
203	17.0	13.7	20.5

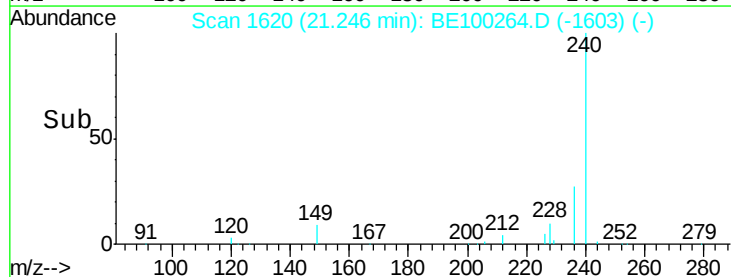
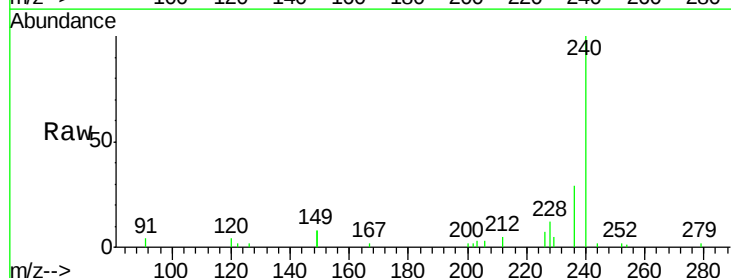
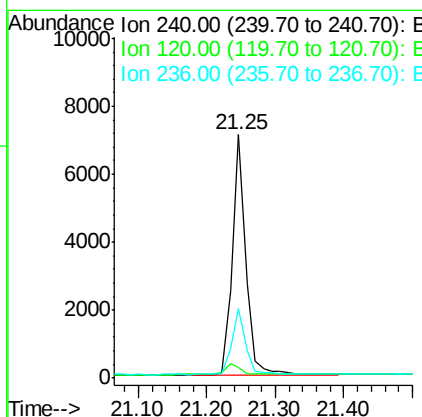
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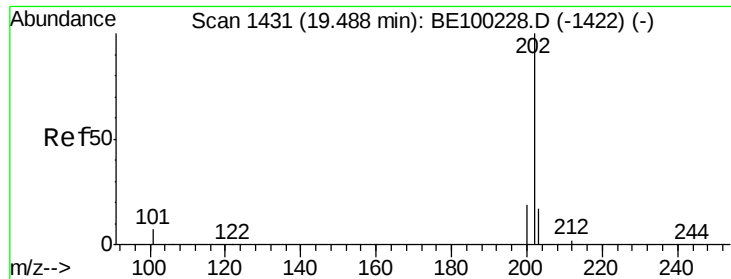
mohammad
7/3/2019 9:47:40 AM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.5	3.3	4.9
236	28.6	22.6	34.0





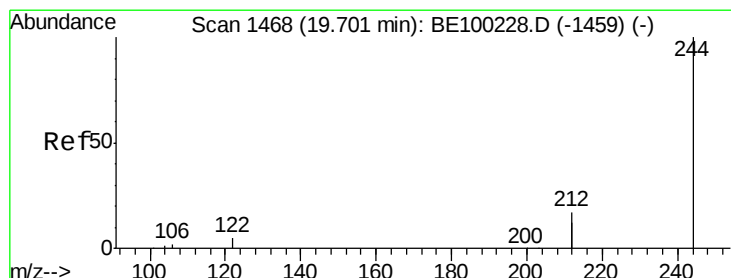
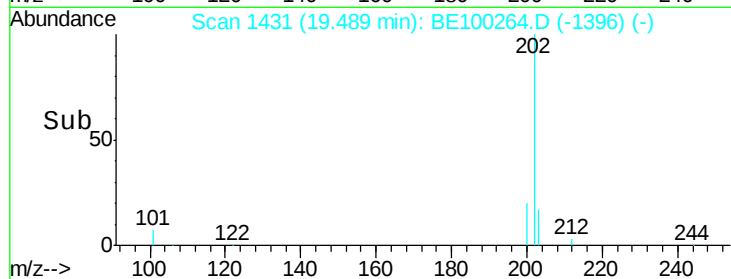
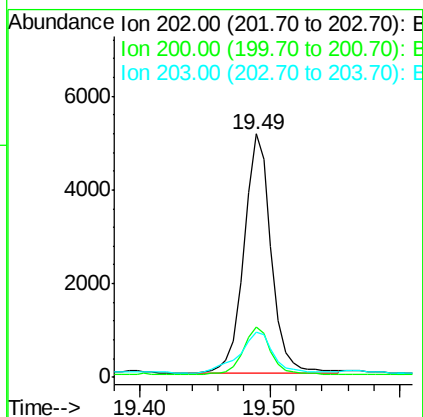
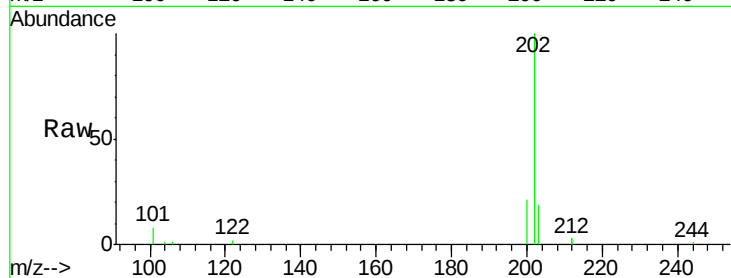
#28
Pvrene
Concen: 0.286 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Instrument :
BNA_E
ClientSampleId :
PST-001-B198-061719

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.6	23.4
203	21.3	14.0	21.0

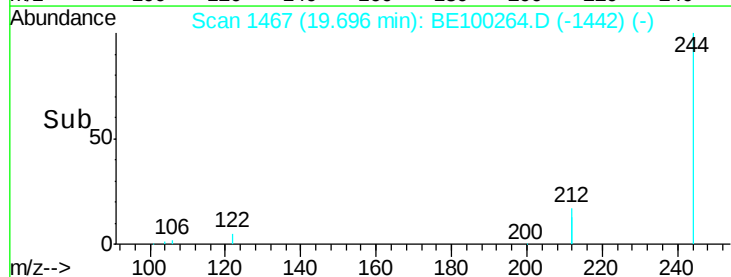
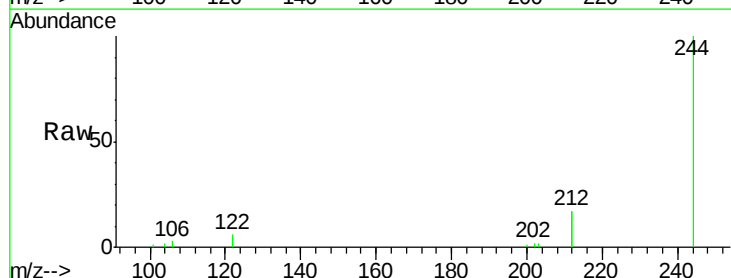
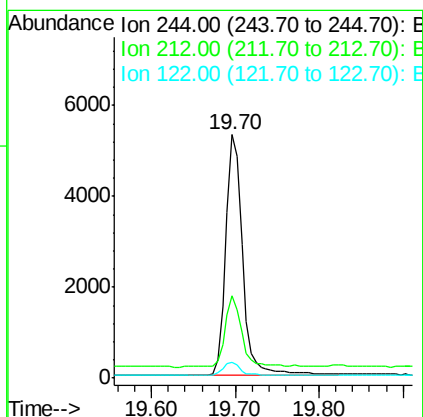
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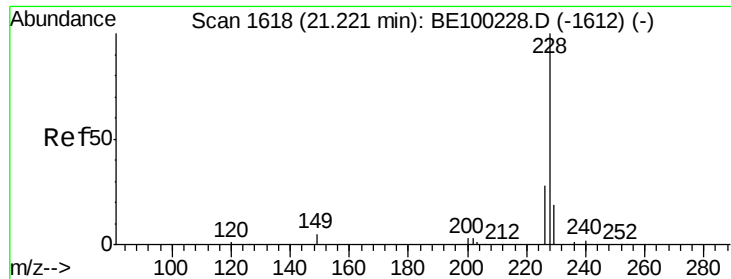
mohammad
7/3/2019 9:47:40 AM



#29
Terphenyl-d14
Concen: 0.367 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	33.9	27.3	40.9
122	6.4	4.7	7.1





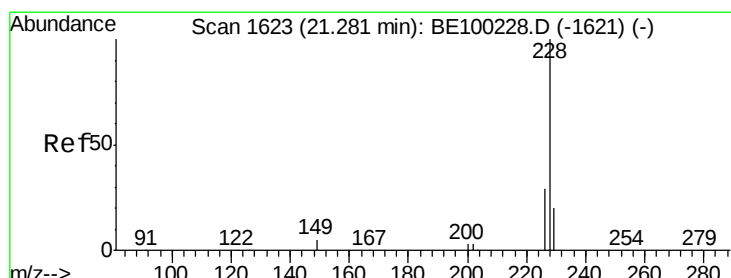
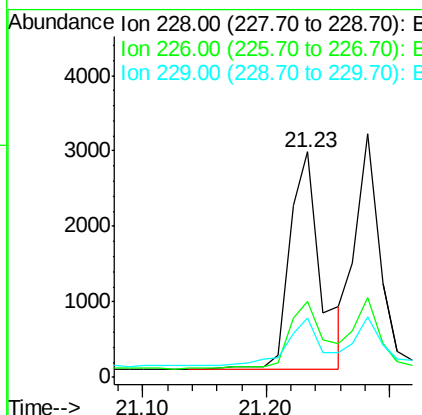
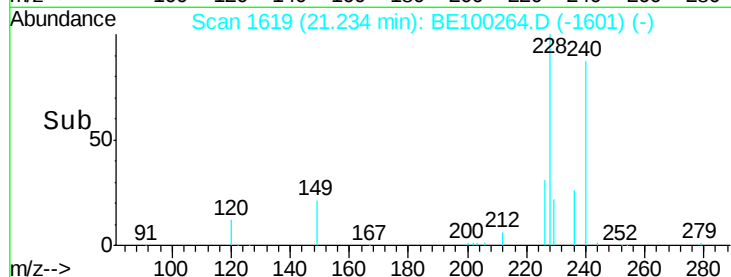
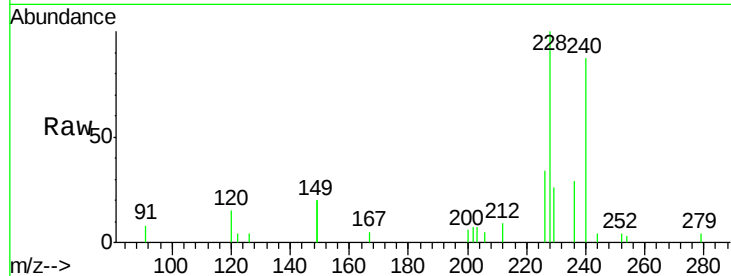
#30
Benzo(a)anthracene
Concen: 0.155 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Instrument :
BNA_E
ClientSampleId :
PST-001-B198-061719

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.6	23.2	34.8
229	26.3	15.7	23.5

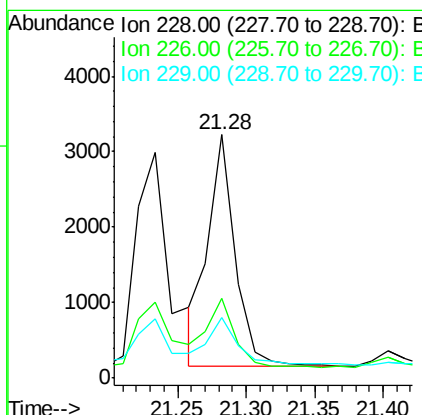
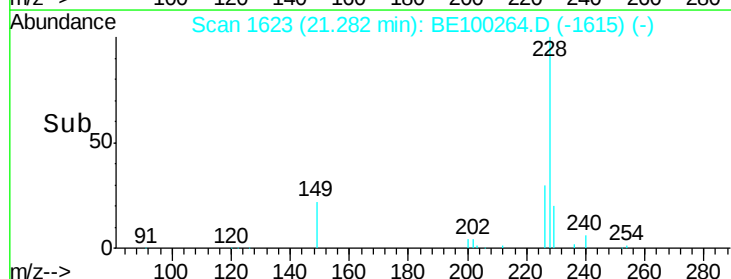
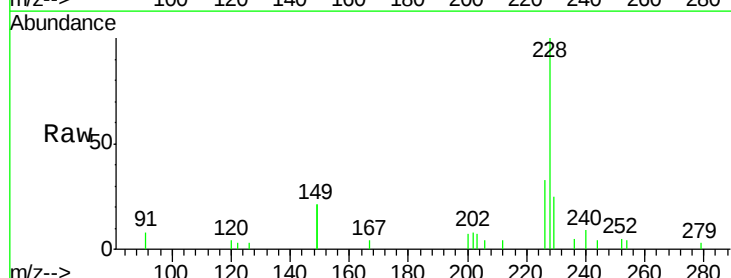
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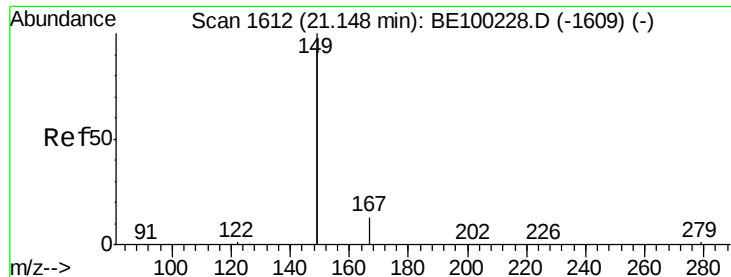
mohammad
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#31
Chrysene
Concen: 0.131 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	23.9	35.9
229	25.0	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.074 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100264.D

Acq: 1 Jul 2019 14:17

Instrument :

BNA_E

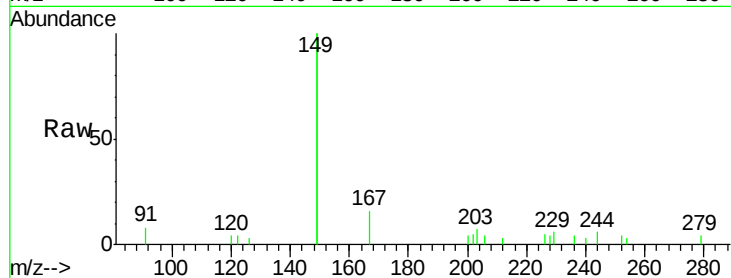
ClientSampleId :

PST-001-B198-061719

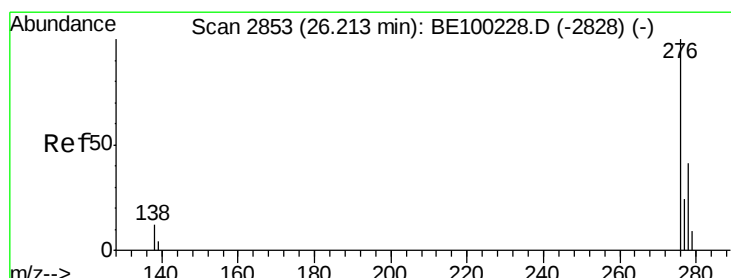
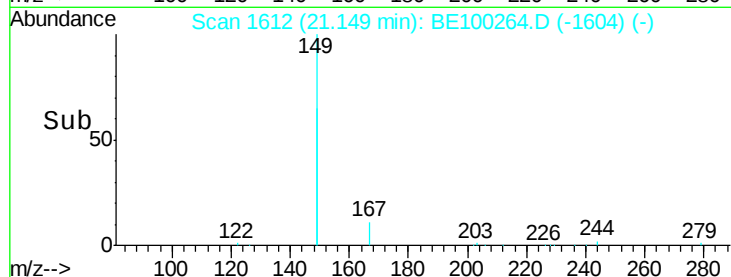
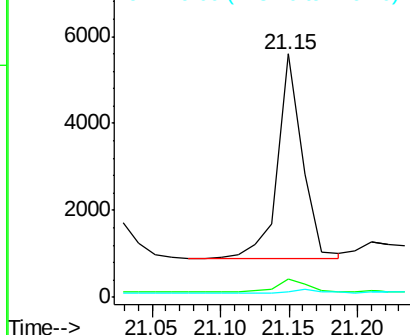
Tot Ion:	149	Resp:	5986
Ion Ratio	Lower	Upper	
149	100		
167	7.6	5.8	8.8
279	2.1	1.1	1.7#

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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.060 ng

RT: 26.23 min Scan# 2857

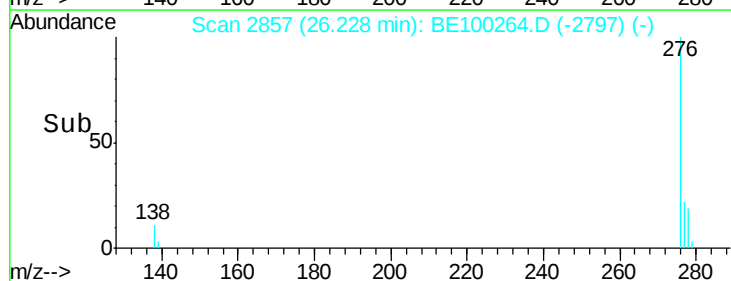
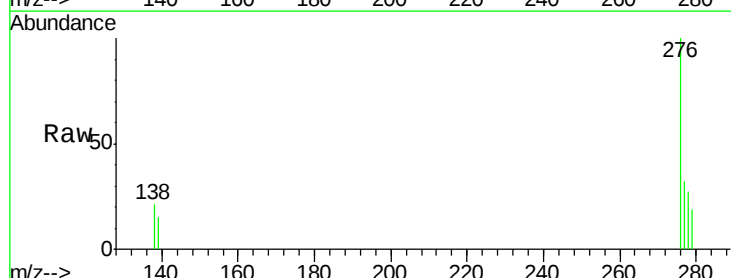
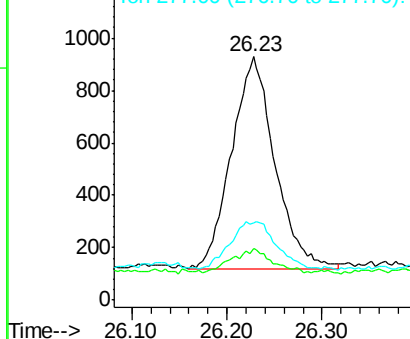
Delta R.T. 0.01 min

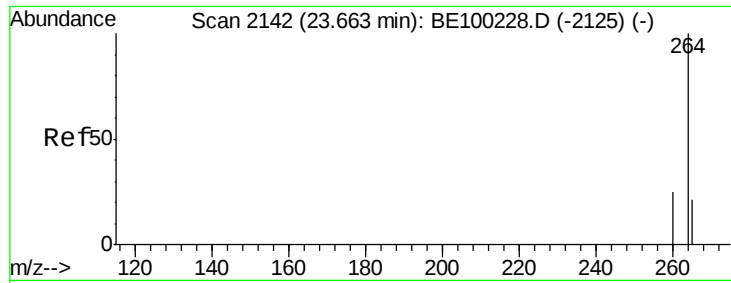
Lab File: BE100264.D

Acq: 1 Jul 2019 14:17

Tgt Ion:	276	Resp:	2561
Ion Ratio	Lower	Upper	
276	100		
138	10.5	9.4	14.0
277	23.2	19.2	28.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





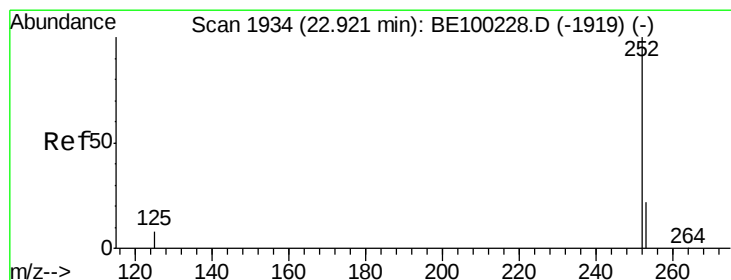
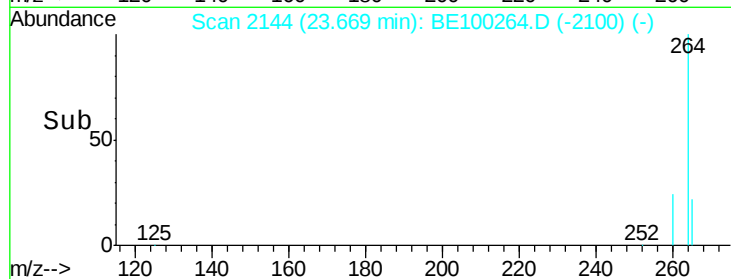
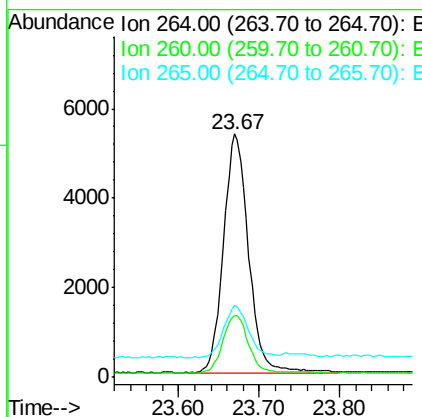
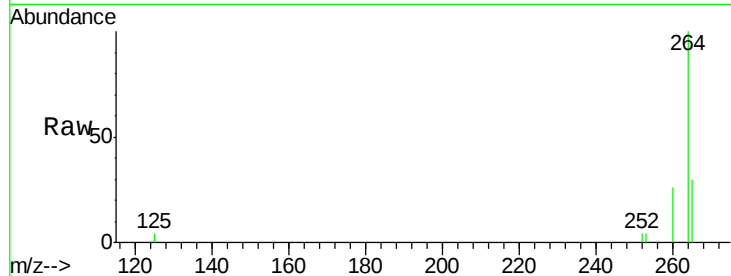
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.67 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: BE100264.D
 Acq: 1 Jul 2019 14:17

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B198-061719

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.8	31.2
265	29.7	21.8	32.6

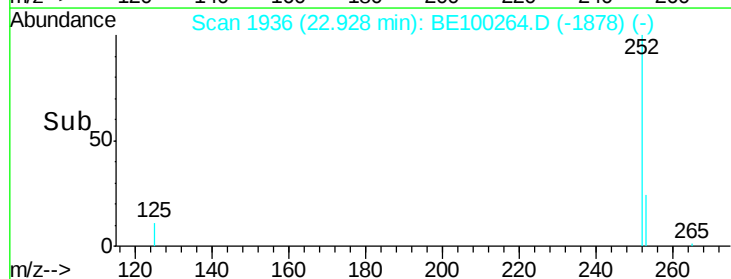
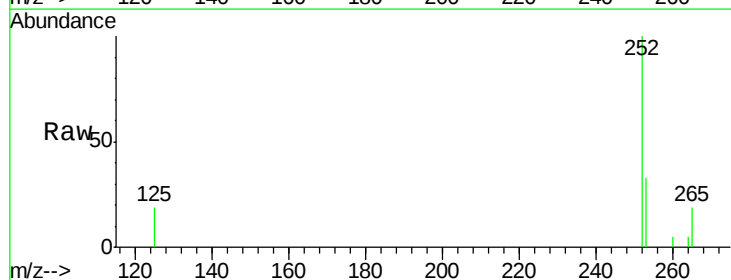
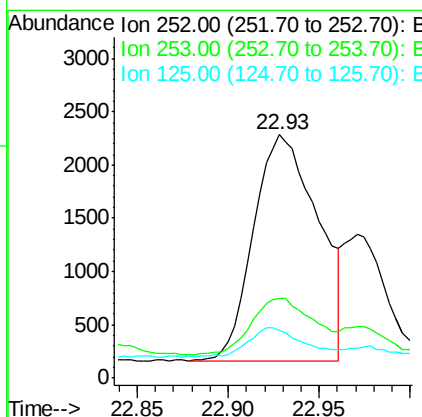
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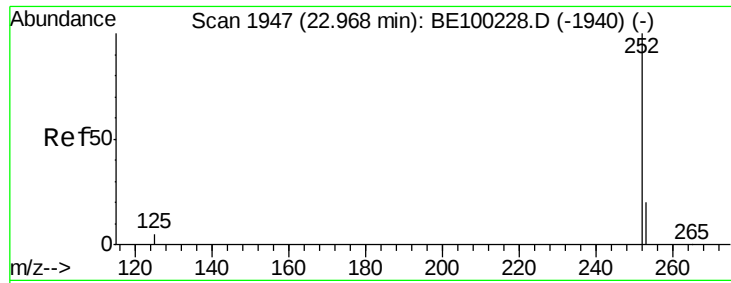
mohammad
 7/3/2019 9:47:40 AM



#35
 Benzo(b)fluoranthene
 Concen: 0.168 ng
 RT: 22.93 min Scan# 1936
 Delta R.T. 0.01 min
 Lab File: BE100264.D
 Acq: 1 Jul 2019 14:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.5	19.2	28.8#
125	19.4	7.4	11.0#





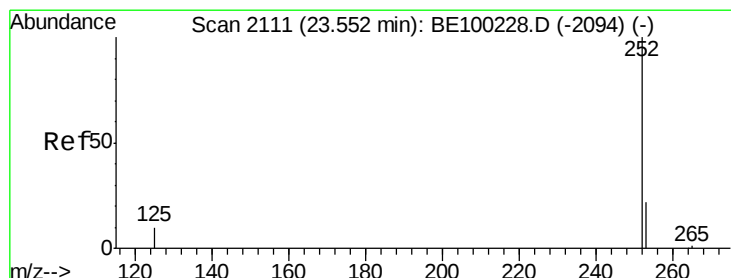
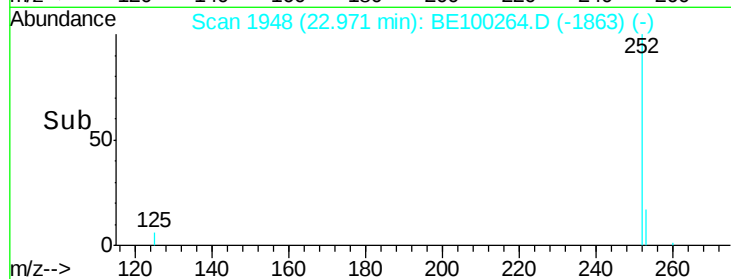
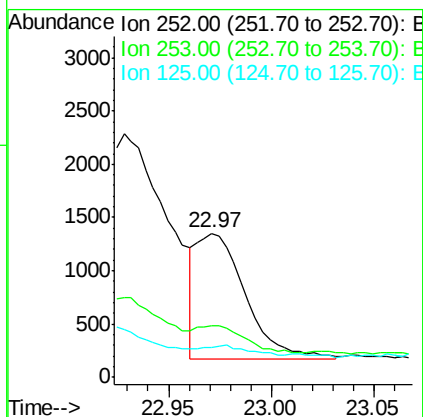
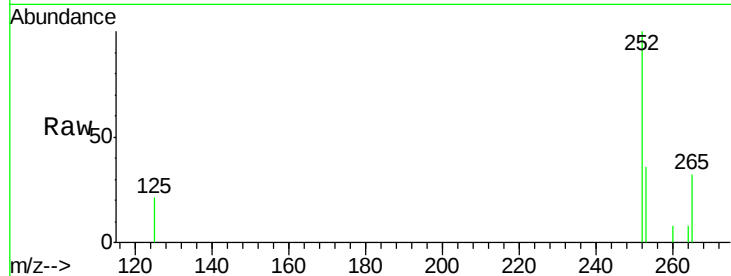
#36
Benzo(k)fluoranthene
Concen: 0.056 ng m
RT: 22.97 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Instrument :
BNA_E
ClientSampleId :
PST-001-B198-061719

Tot Ion	Ratio	Lower	Upper
252	100		
253	36.0	17.9	26.9#
125	20.8	5.0	7.4#

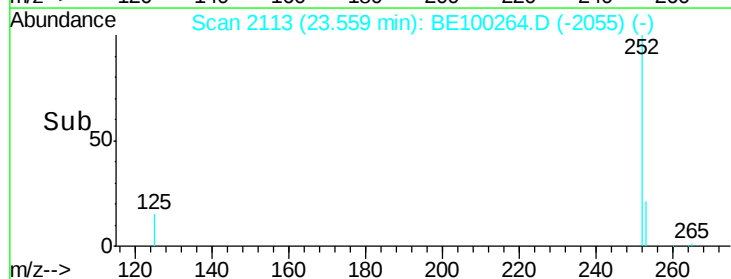
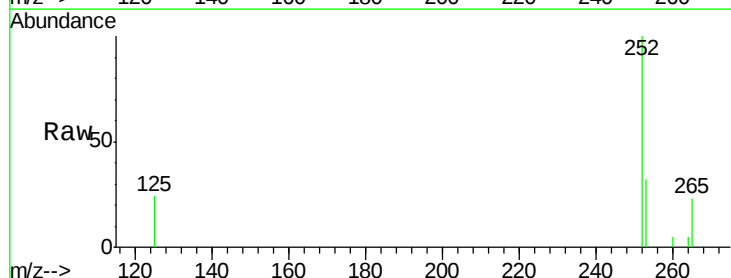
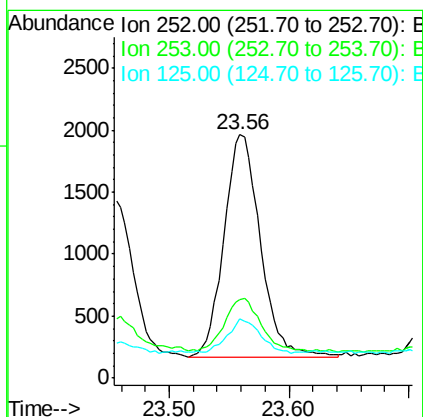
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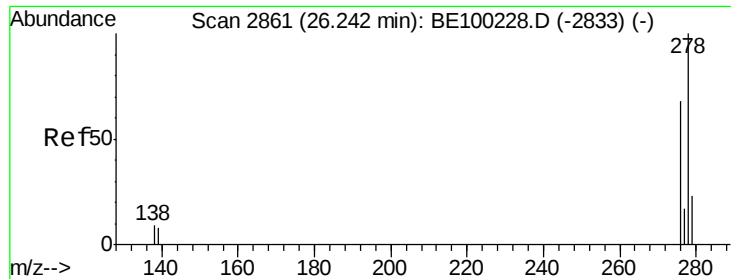
mohammad
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#37
Benzo(a)pyrene
Concen: 0.121 ng
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.5	19.6	29.4#
125	24.1	9.0	13.6#





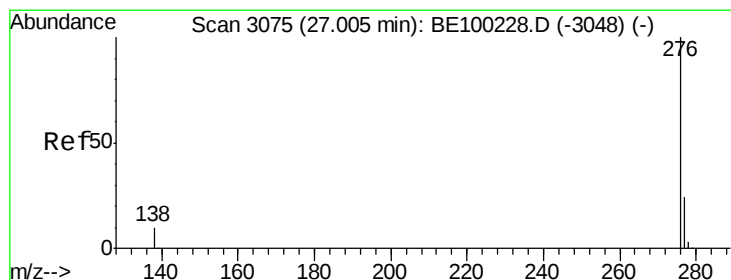
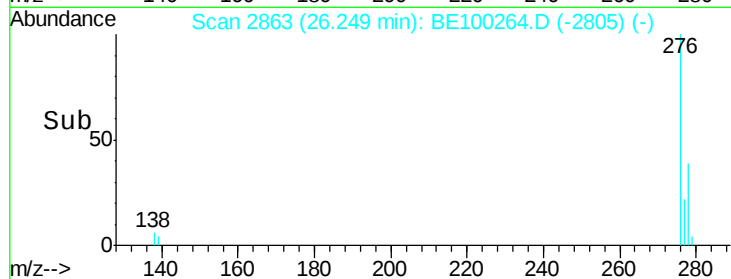
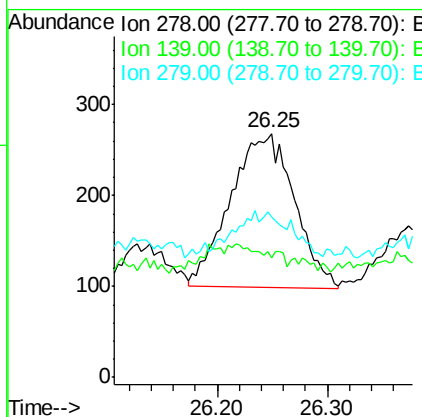
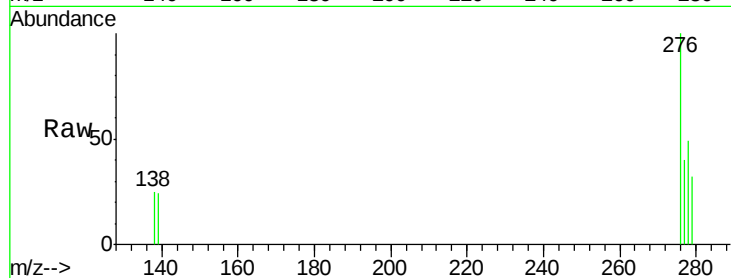
#38
Dibenzo(a,h)anthracene
Concen: 0.021 ng
RT: 26.25 min Scan# 2863
Delta R.T. 0.01 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Instrument :
BNA_E
ClientSampleId :
PST-001-B198-061719

Tot Ion: 278 Resp: 679
Ion Ratio Lower Upper
278 100
139 48.9 8.2 12.2#
279 66.0 20.3 30.5#

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#39
Benzo(g,h,i)perylene
Concen: 0.078 ng
RT: 27.02 min Scan# 3079
Delta R.T. 0.01 min
Lab File: BE100264.D
Acq: 1 Jul 2019 14:17

Tgt Ion: 276 Resp: 2619
Ion Ratio Lower Upper
276 100
277 32.3 20.2 30.2#
138 21.3 9.0 13.6#

