

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071919\
 Data File : BE100471.D
 Acq On : 19 Jul 2019 15:51
 Operator : HP/JU
 Sample : PB121385BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB121385BS

Manual Integrations
 APPROVED

mohammad
 7/22/2019 10:02:14 AM

Quant Time: Jul 20 02:54:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 19 13:59:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	2453	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	9464	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	4930	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	11590	0.40	ng	0.00
27) Chrysene-d12	21.38	240	15731	0.40	ng	0.00
34) Perylene-d12	23.86	264	20498	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	1992	0.33	ng	0.00
5) Phenol-d6	7.03	99	2766	0.32	ng	0.00
8) Nitrobenzene-d5	9.02	82	1943	0.25	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	3372m	0.22	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	499	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	5340	0.26	ng	0.00
25) Fluoranthene-d10	19.24	212	39740	0.24	ng	0.00
29) Terphenyl-d14	19.84	244	7002	0.19	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	1276	0.339	ng	# 54
3) n-Nitrosodimethylamine	3.69	42	817	0.375	ng	# 88
6) bis(2-Chloroethyl)ether	7.30	93	2023	0.272	ng	96
9) Naphthalene	10.72	128	26038	0.288	ng	99
10) Hexachlorobutadiene	11.02	225	1151	0.265	ng	98
12) 2-Methylnaphthalene	12.32	142	4348	0.275	ng	99
16) Acenaphthylene	14.21	152	6466	0.285	ng	99
17) Acenaphthene	14.56	154	3944	0.286	ng	99
18) Fluorene	15.53	166	4962	0.271	ng	98
20) 4-Bromophenyl-phenylether	16.43	248	1543	0.288	ng	97
21) Hexachlorobenzene	16.53	284	1660	0.298	ng	99
22) Pentachlorophenol	16.88	266	585	0.385	ng	96
23) Phenanthrene	17.26	178	8449	0.295	ng	100
24) Anthracene	17.35	178	7582	0.283	ng	99
26) Fluoranthene	19.27	202	11355	0.267	ng	100
28) Pyrene	19.63	202	12013	0.260	ng	99
30) Benzo(a)anthracene	21.37	228	13292	0.277	ng	100
31) Chrysene	21.41	228	12924	0.270	ng	100
32) Bis(2-ethylhexyl)phthalate	21.30	149	31945	0.300	ng	100
33) Indeno(1,2,3-cd)pyrene	26.48	276	18381	0.355	ng	99
35) Benzo(b)fluoranthene	23.10	252	15870	0.280	ng	98
36) Benzo(k)fluoranthene	23.15	252	17696m	0.294	ng	
37) Benzo(a)pyrene	23.74	252	16541	0.303	ng	100
38) Dibenzo(a,h)anthracene	26.50	278	15340	0.298	ng	99
39) Benzo(g,h,i)perylene	27.28	276	16484	0.311	ng	99

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

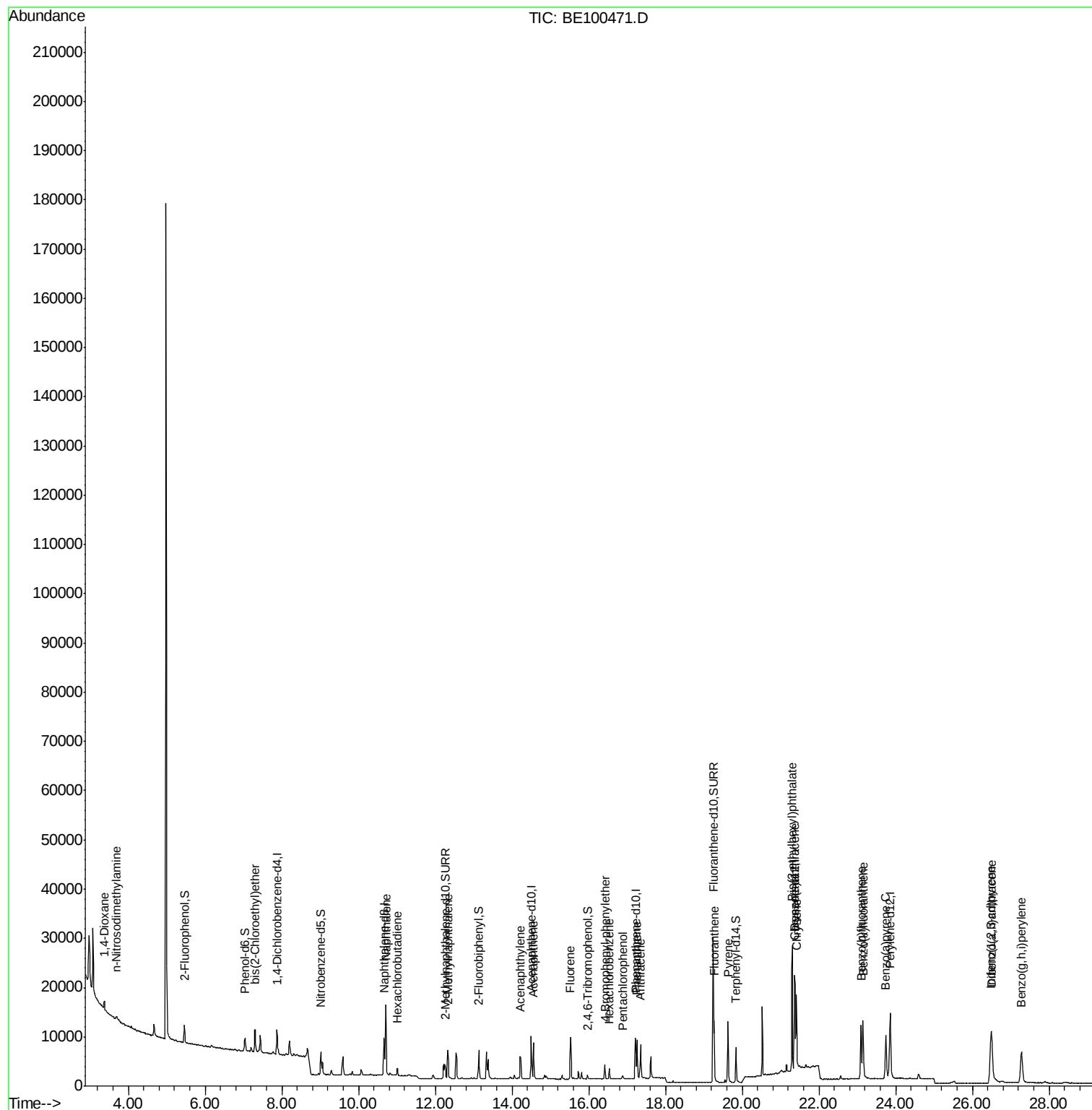
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071919\
Data File : BE100471.D
Acq On : 19 Jul 2019 15:51
Operator : HP/JU
Sample : PB121385BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

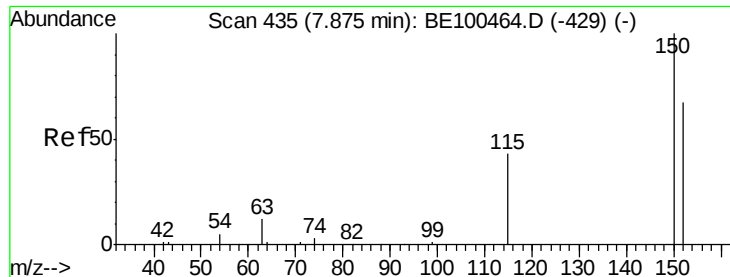
Instrument :
BNA_E
ClientSampleId :
PB121385BS

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Quant Time: Jul 20 02:54:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 19 13:59:01 2019
Response via : Initial Calibration





#1

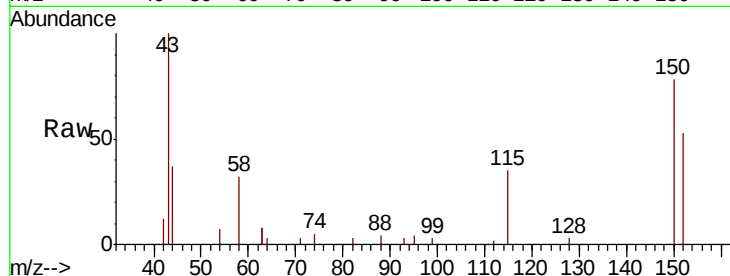
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 435
Delta R.T. 0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Instrument :
BNA_E
ClientSampleId :
PB121385BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.4	117.6	176.4
115	65.8	54.9	82.3

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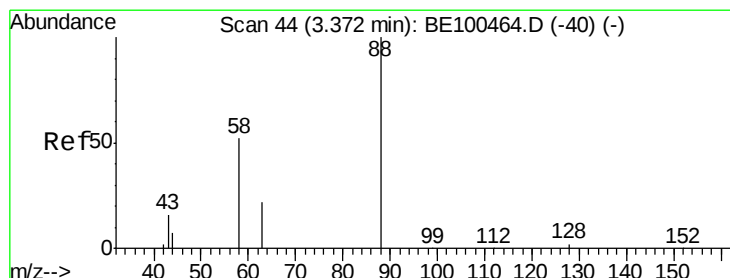
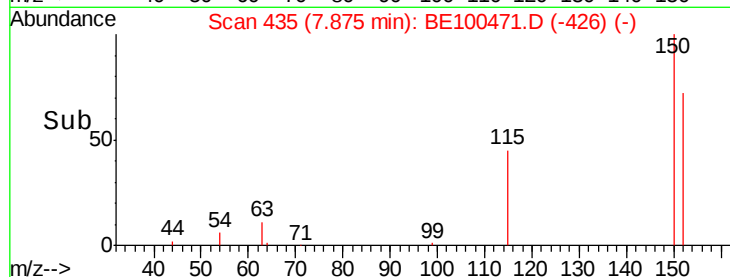
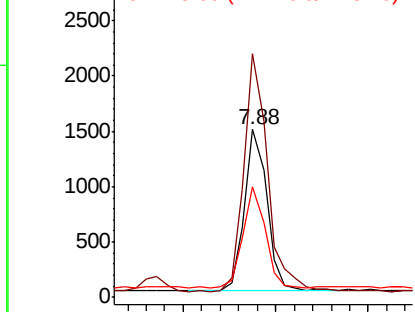


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

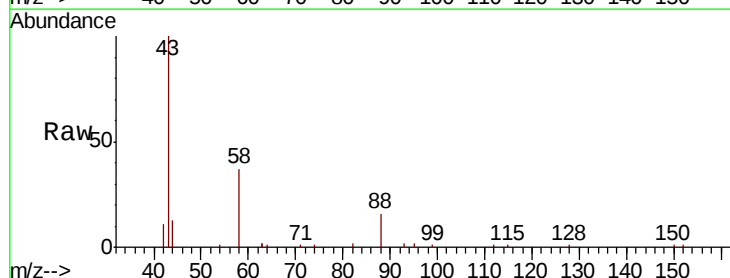
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.339 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	97.5	50.2	75.4#
43	0.0	19.1	28.7#

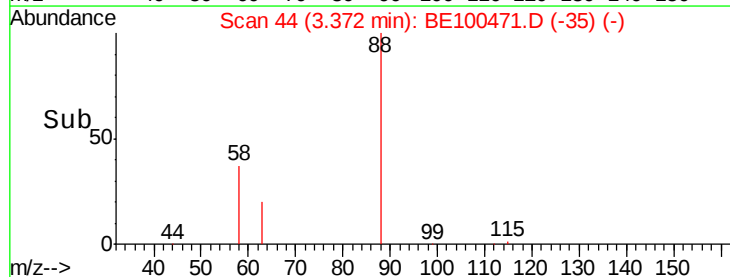
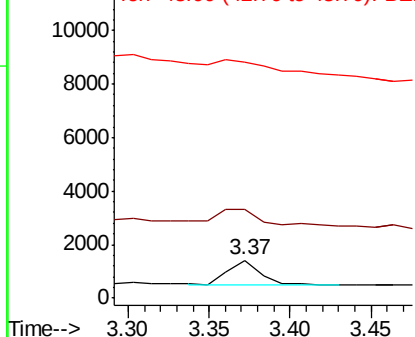


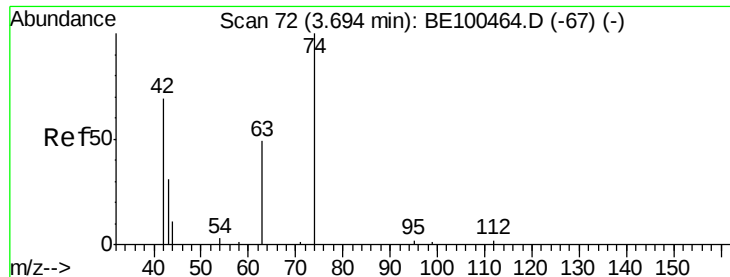
Abundance

Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

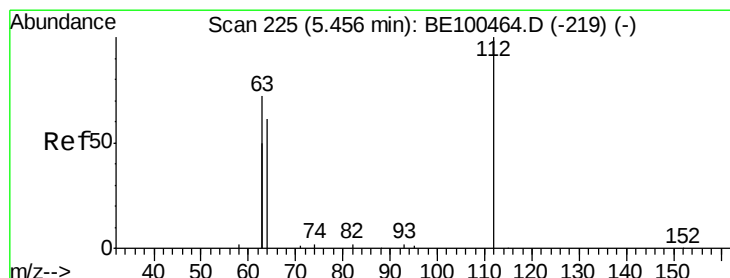
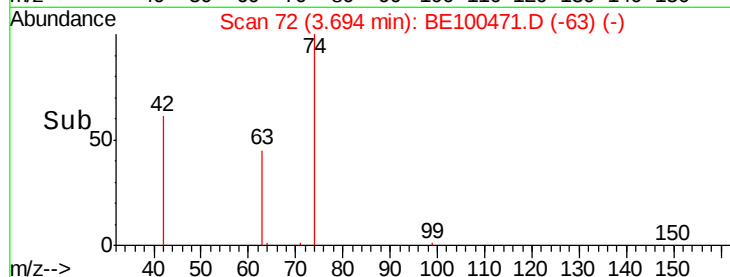
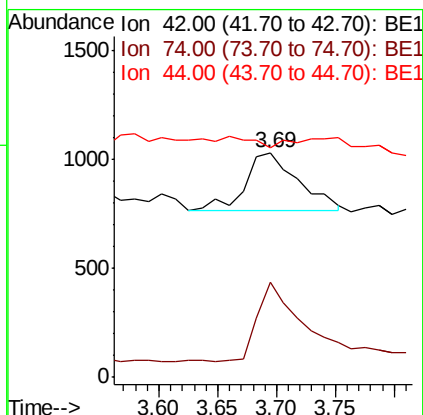
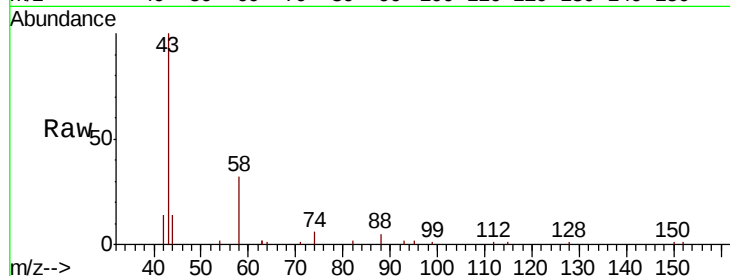
n-Nitrosodimethylamine
 Concen: 0.375 ng
 RT: 3.69 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: BE100471.D
 Acq: 19 Jul 2019 15:51

Instrument :
 BNA_E
 ClientSampled :
 PB121385BS

Tot Ion:	42	Resp:	817
Ion	Ratio	Lower	Upper
42	100		
74	117.6	105.8	158.8
44	0.0	0.0	0.0

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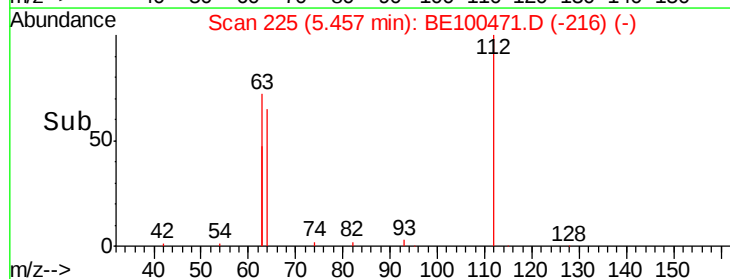
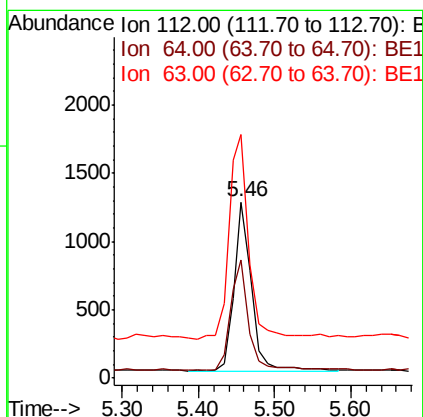
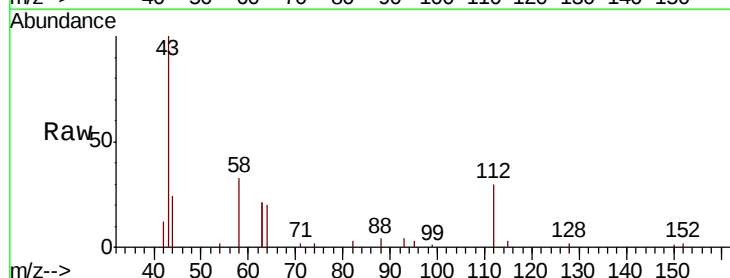
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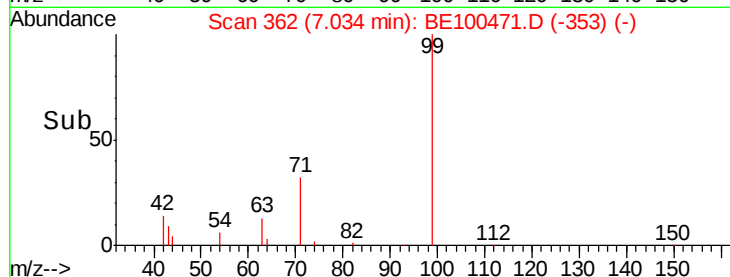
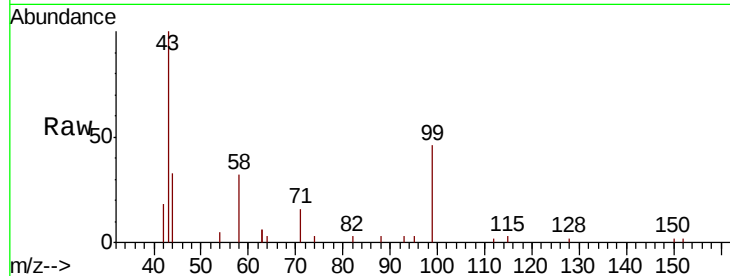
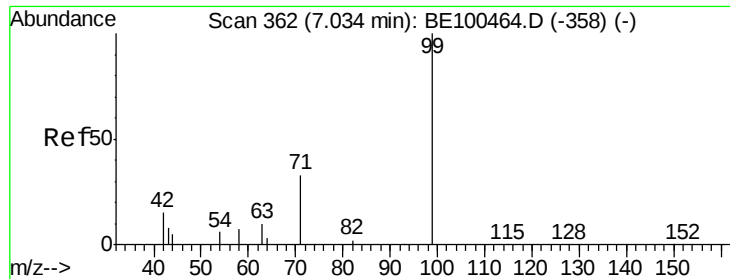


#4

2-Fluorophenol
 Concen: 0.326 ng
 RT: 5.46 min Scan# 225
 Delta R.T. 0.00 min
 Lab File: BE100471.D
 Acq: 19 Jul 2019 15:51

Tgt Ion:	112	Resp:	1992
Ion	Ratio	Lower	Upper
112	100		
64	67.7	51.9	77.9
63	135.7	103.9	155.9





#5

Phenol-d6

Concen: 0.323 ng

RT: 7.03 min Scan# 362

Delta R.T. 0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Tot Ion:	99	Resp:	2766
Ion	Ratio	Lower	Upper
99	100		
42	22.3	16.2	24.4
71	34.2	26.0	39.0

Instrument :

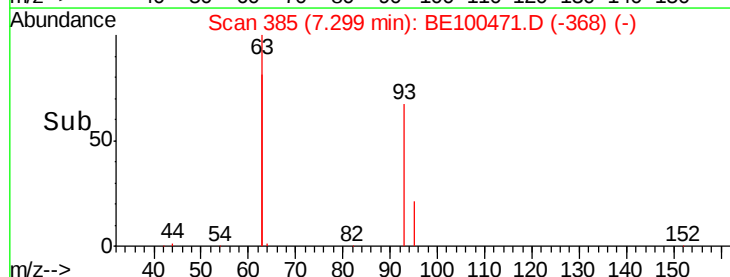
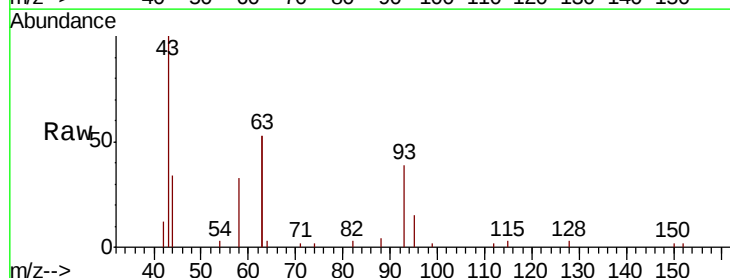
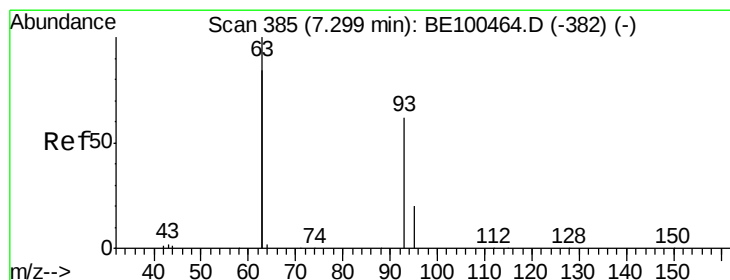
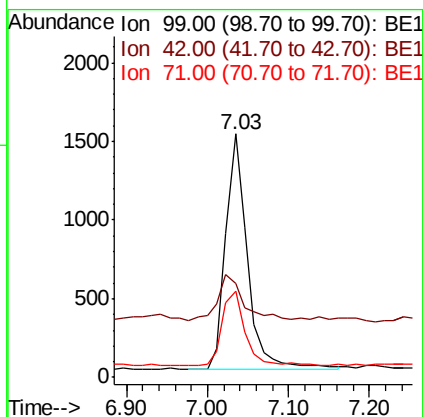
BNA_E

ClientSampleId :

PB121385BS

Manual Integrations
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#6

bis(2-Chloroethyl)ether

Concen: 0.272 ng

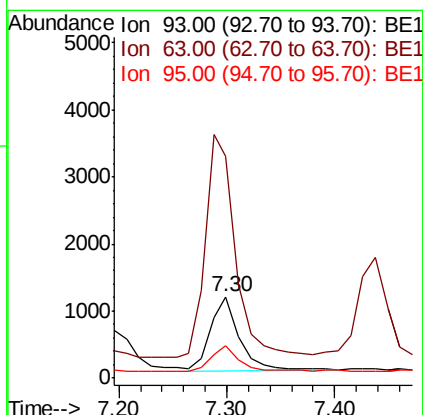
RT: 7.30 min Scan# 385

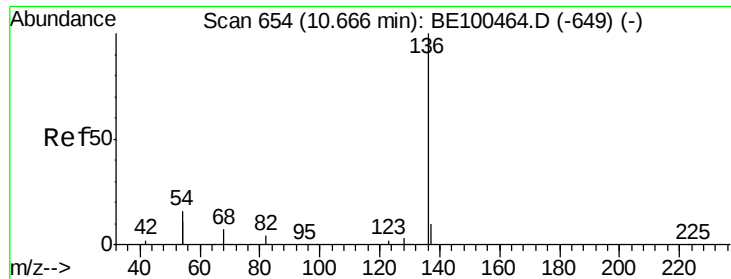
Delta R.T. 0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Tgt Ion:	93	Resp:	2023
Ion	Ratio	Lower	Upper
93	100		
63	318.0	248.4	372.6
95	33.9	24.7	37.1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

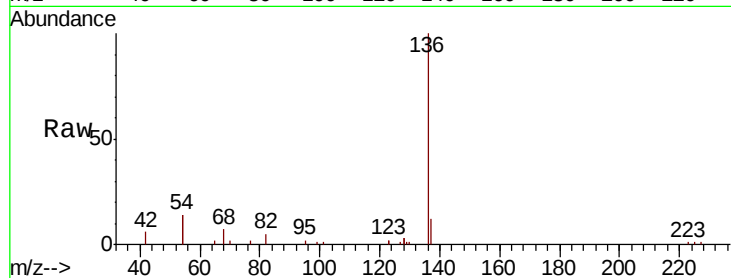
ClientSampleId :

PB121385BS

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.6
54	28.5	26.2	39.2
68	6.8	6.5	9.7

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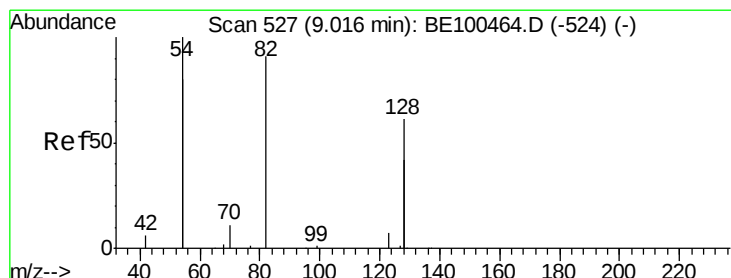
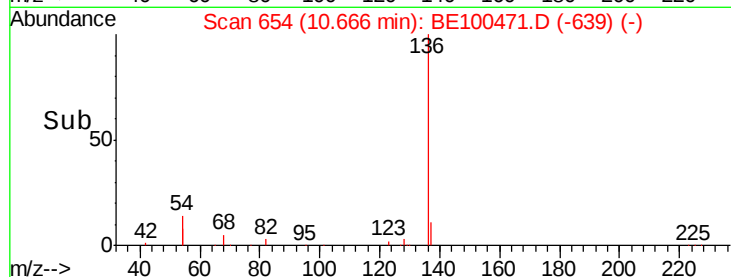
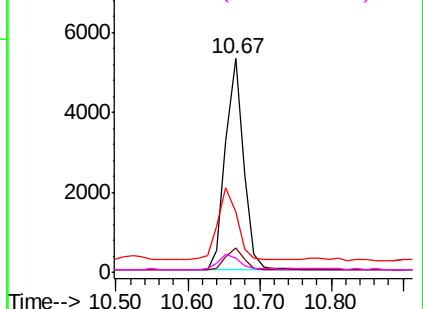
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.254 ng

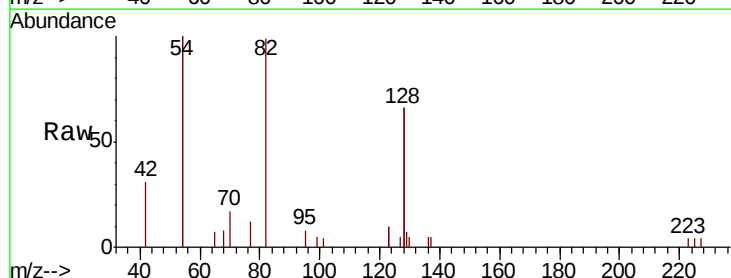
RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
82	100		
128	133.5	100.7	151.1
54	201.3	164.4	246.6

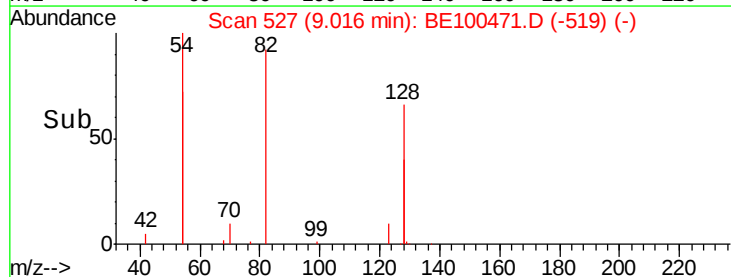
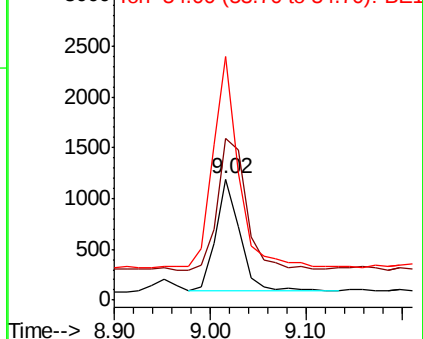


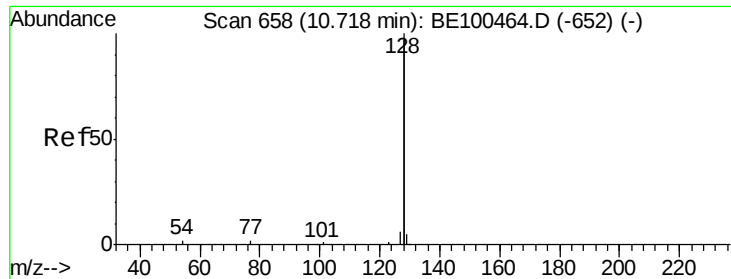
Abundance

Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.288 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

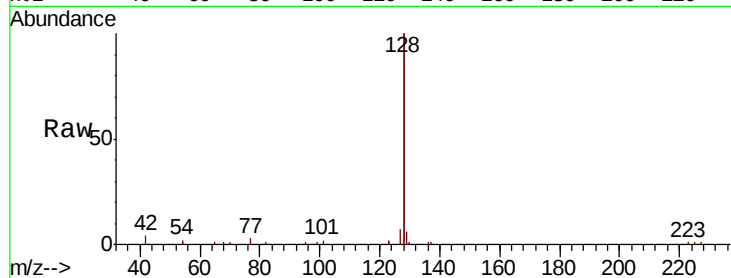
ClientSampleId :

PB121385BS

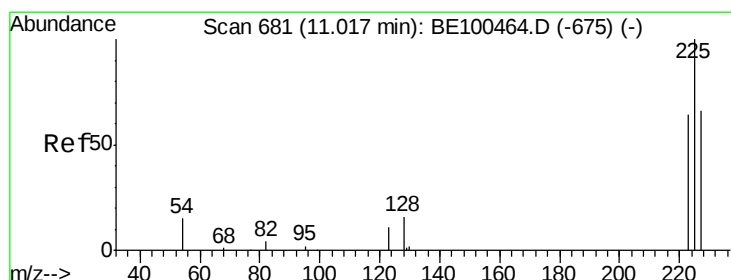
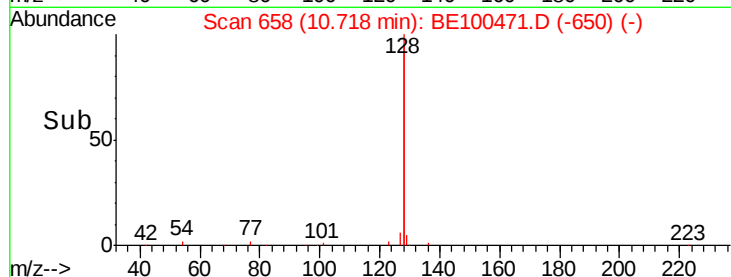
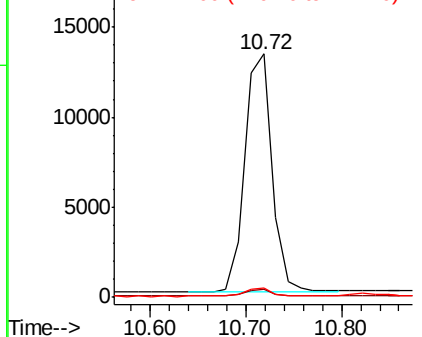
Tot Ion:	128	Resp:	26038
Ion Ratio	Lower	Upper	
128	100		
129	3.1	2.4	3.6
127	3.6	2.6	4.0

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



#10

Hexachlorobutadiene

Concen: 0.265 ng

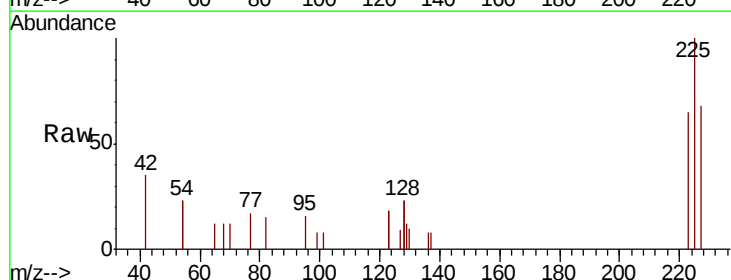
RT: 11.02 min Scan# 681

Delta R.T. -0.00 min

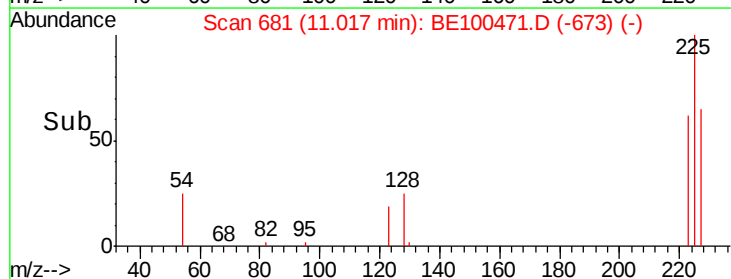
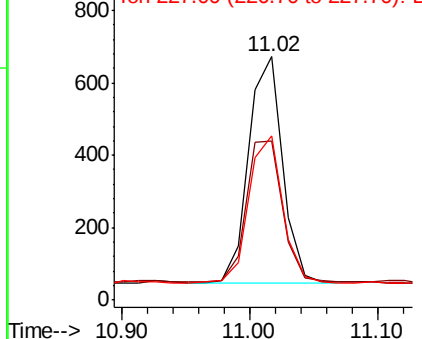
Lab File: BE100471.D

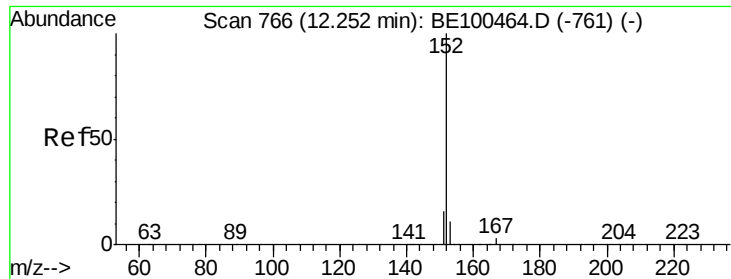
Acq: 19 Jul 2019 15:51

Tgt Ion:	225	Resp:	1151
Ion Ratio	Lower	Upper	
225	100		
223	66.3	51.7	77.5
227	64.6	50.9	76.3



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





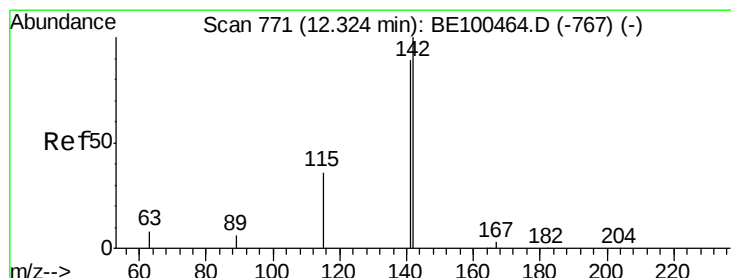
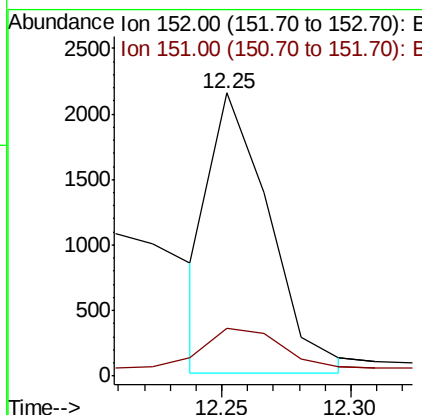
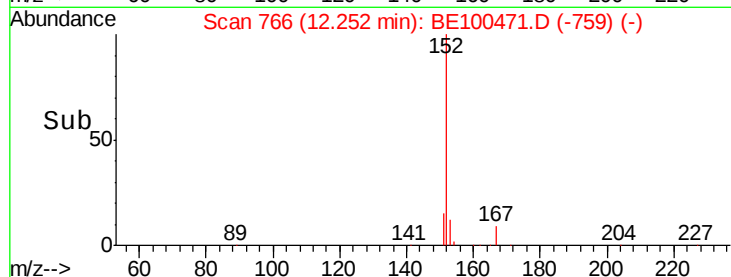
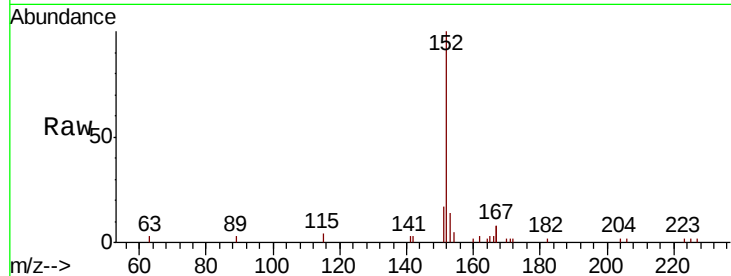
#11
2-Methylnaphthalene-d10
Concen: 0.222 ng m
RT: 12.25 min Scan# 766
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Instrument :
BNA_E
ClientSampled :
PB121385BS

Tot Ion:152 Resp: 3372
Ion Ratio Lower Upper
152 100
151 20.8 15.8 23.6

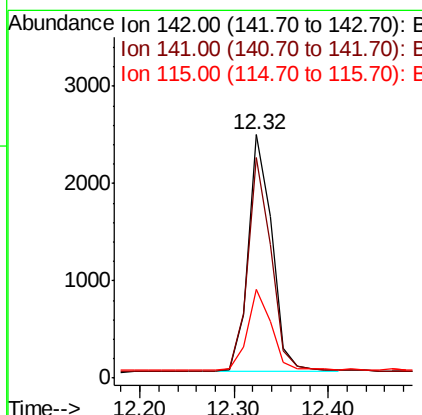
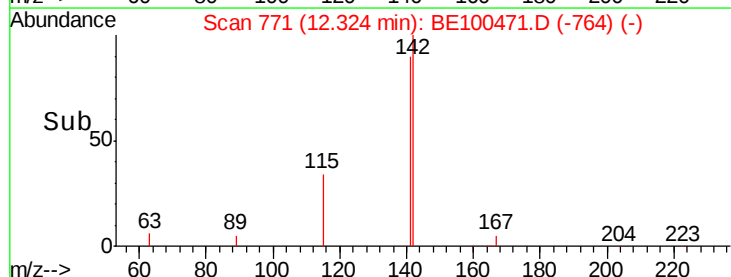
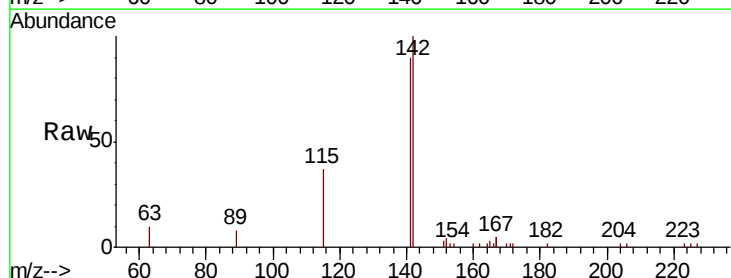
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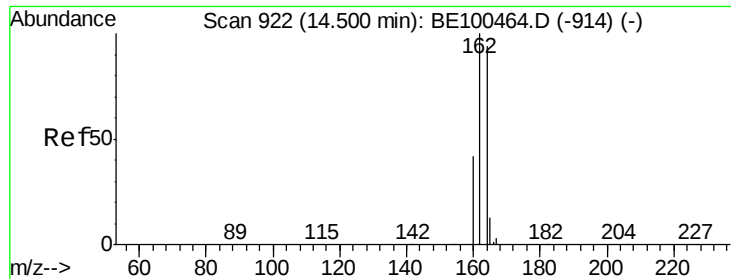
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#12
2-Methylnaphthalene
Concen: 0.275 ng
RT: 12.32 min Scan# 771
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Tgt Ion:142 Resp: 4348
Ion Ratio Lower Upper
142 100
141 90.5 71.7 107.5
115 36.6 30.4 45.6





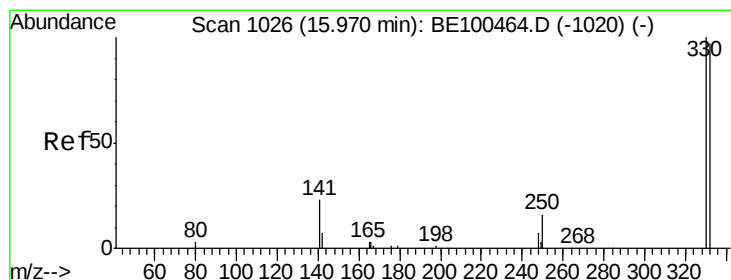
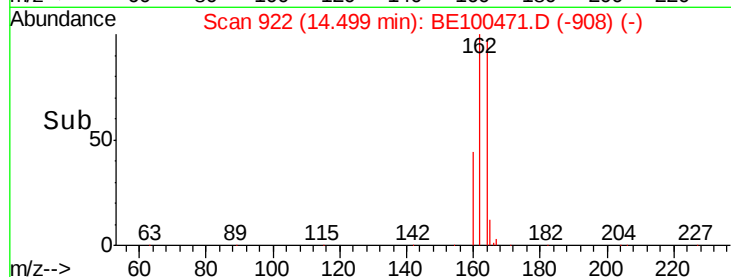
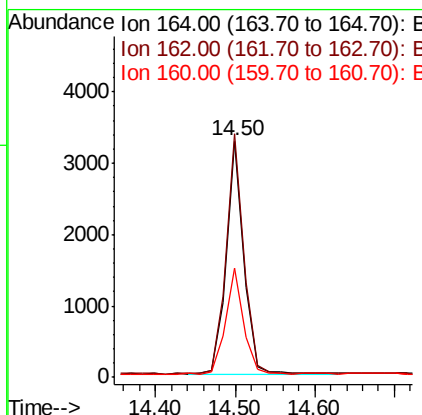
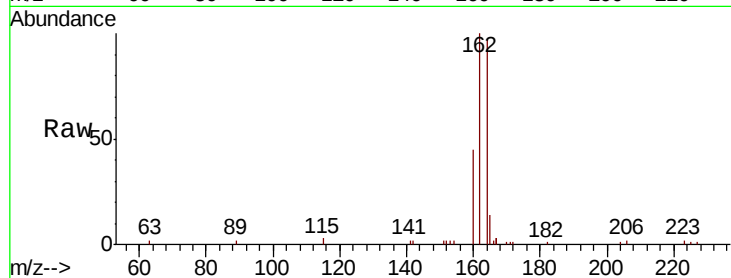
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Instrument :
BNA_E
ClientSampleId :
PB121385BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	85.0	127.6
160	46.1	36.2	54.2

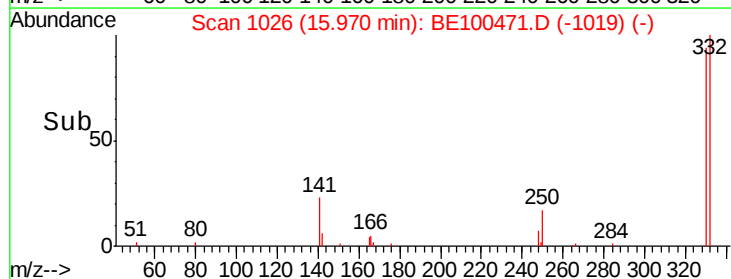
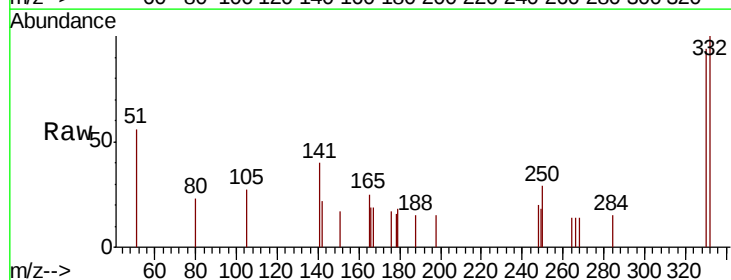
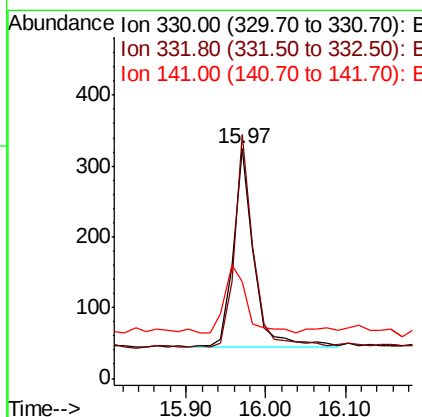
Manual Integrations
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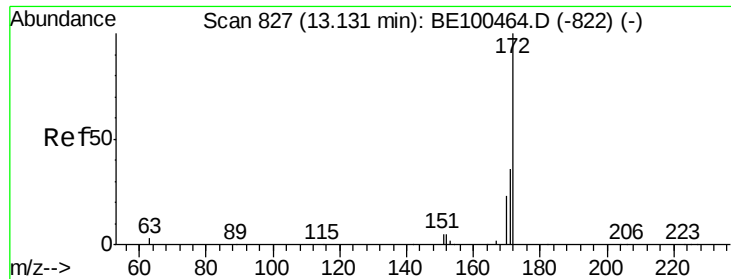
mohammad
7/22/2019 10:02:14 AM



#14
2,4,6-Tribromophenol
Concen: 0.241 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.2	76.3	114.5
141	37.5	29.4	44.2





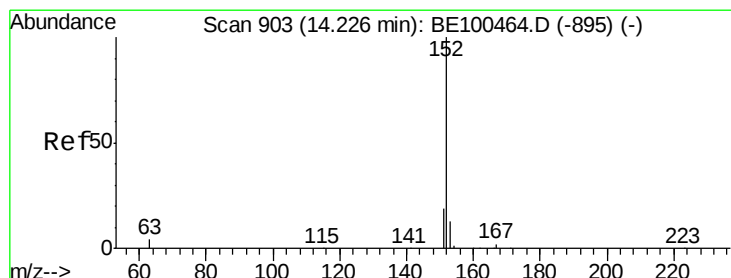
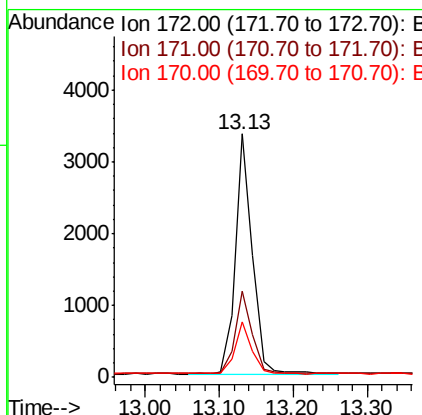
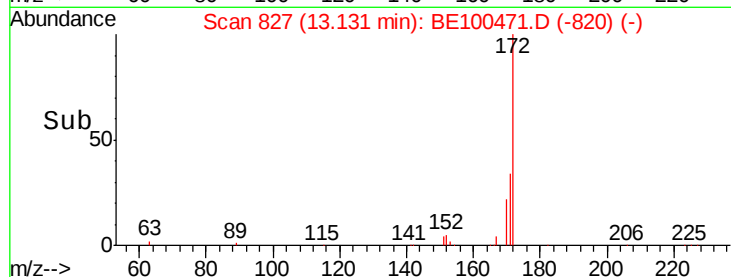
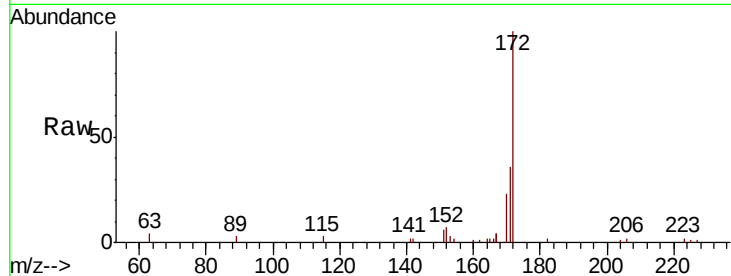
#15
2-Fluorobiphenyl
Concen: 0.263 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Instrument :
BNA_E
ClientSampleId :
PB121385BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.2	43.8
170	23.0	18.8	28.2

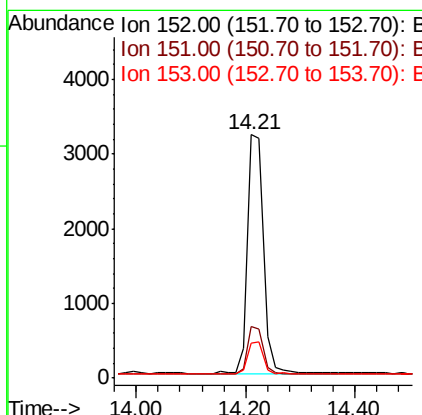
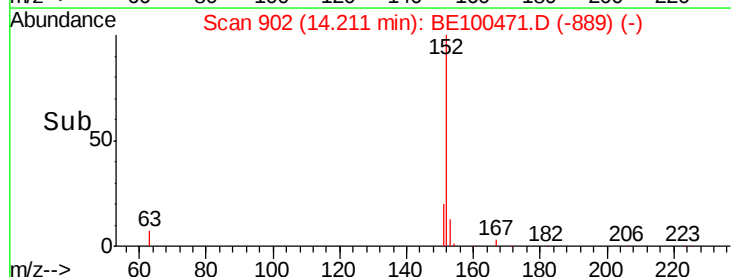
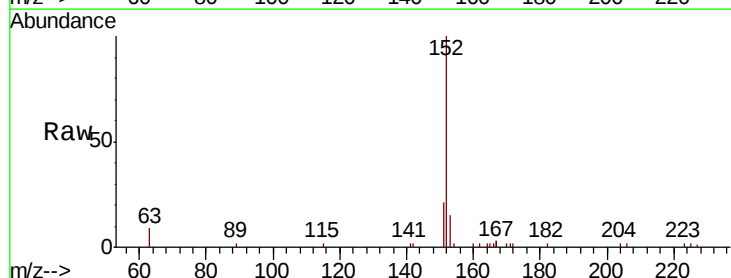
Manual Integrations
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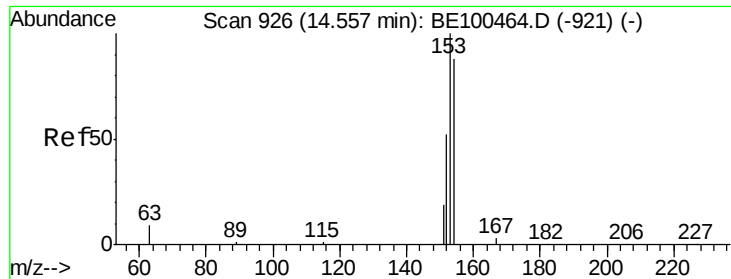
mohammad
7/22/2019 10:02:14 AM



#16
Acenaphthylene
Concen: 0.285 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.01 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	13.3	10.6	15.8





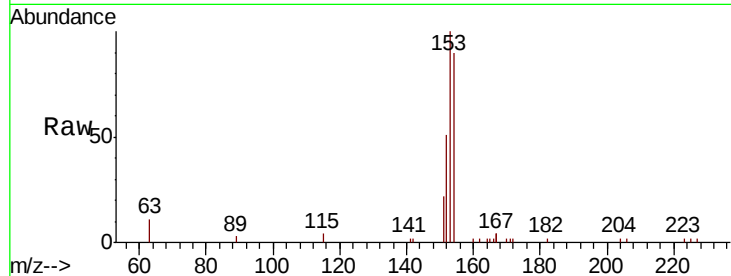
#17
Acenaphthene
Concen: 0.286 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Instrument :
BNA_E
ClientSampleId :
PB121385BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	110.3	89.4	134.2
152	56.0	44.4	66.6

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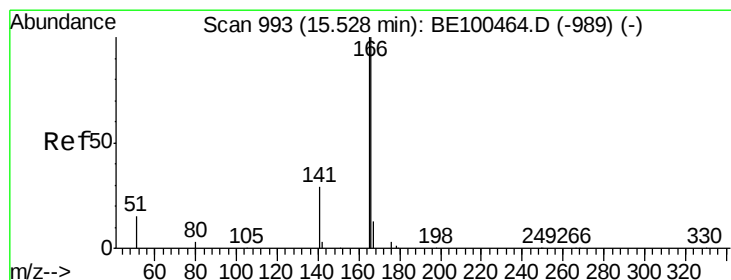
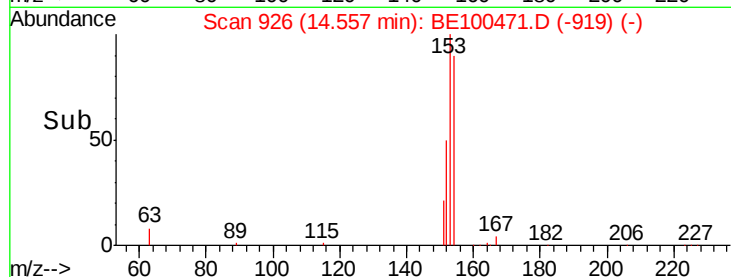
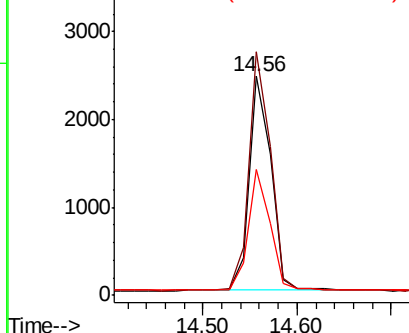


Abundance

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: 0.271 ng
RT: 15.53 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

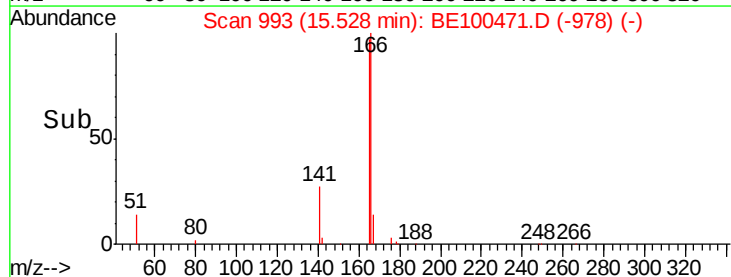
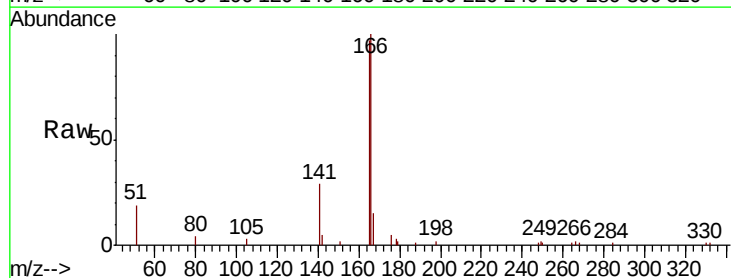
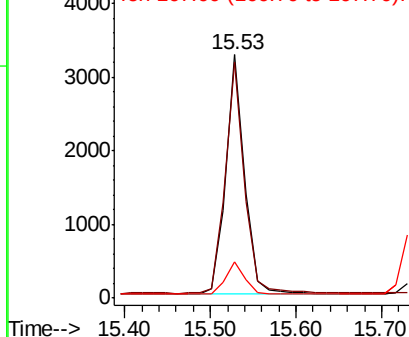
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.8	119.8
167	14.0	10.4	15.6

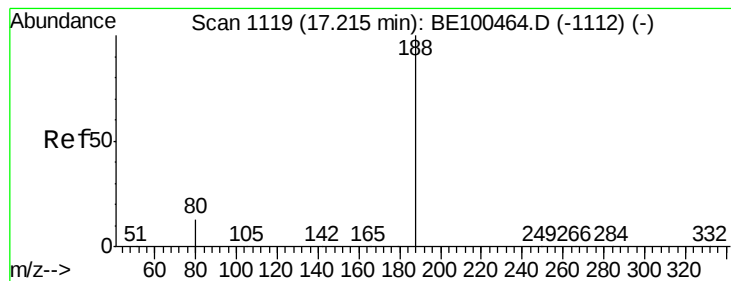
Abundance

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: 17.22 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

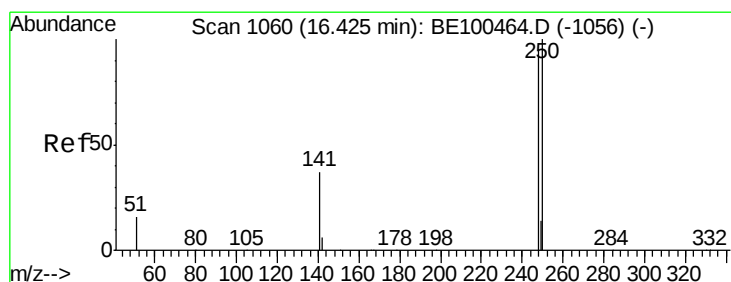
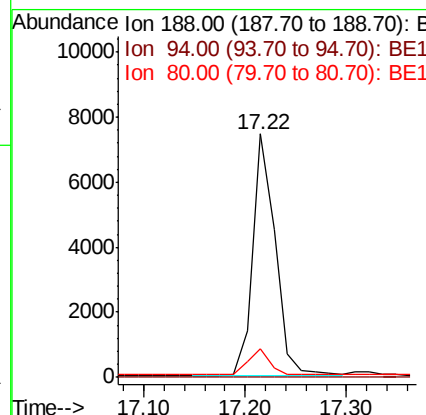
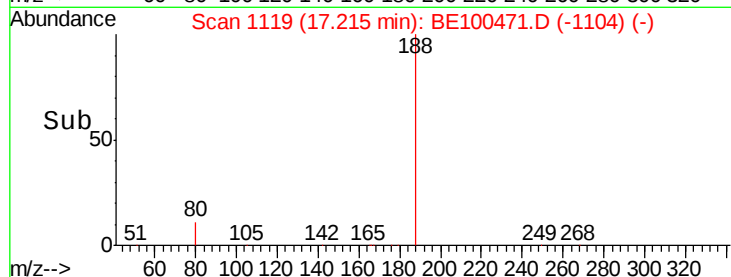
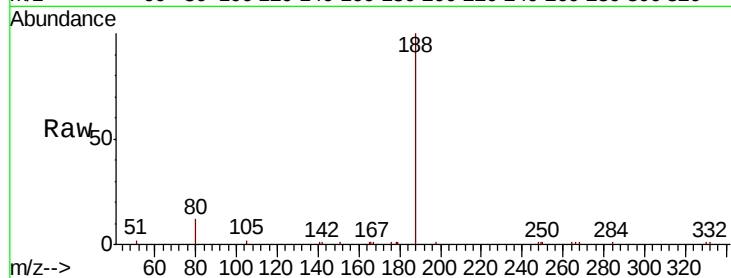
ClientSampleId :

PB121385BS

Tot Ion:	188	Resp:	11590
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.9	10.7	16.1

Manual Integrations
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#20

4-Bromophenyl-phenylether

Concen: 0.288 ng

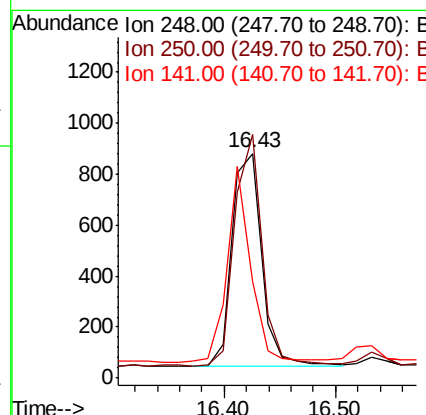
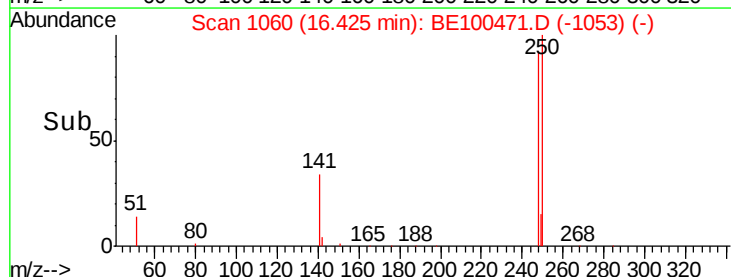
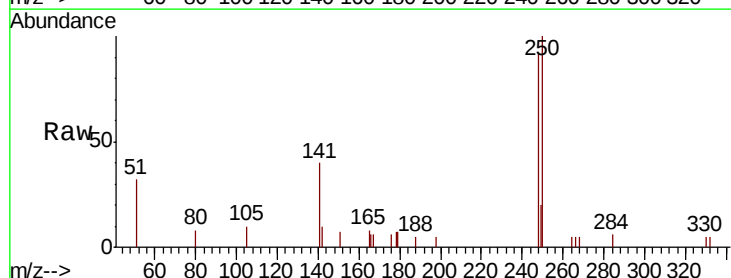
RT: 16.43 min Scan# 1060

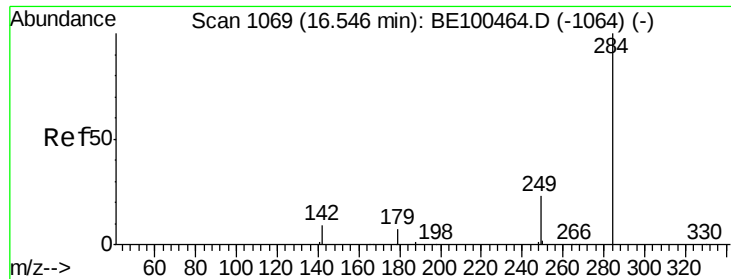
Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Tgt Ion:	248	Resp:	1543
Ion Ratio	Lower	Upper	
248	100		
250	108.4	83.9	125.9
141	43.0	33.7	50.5





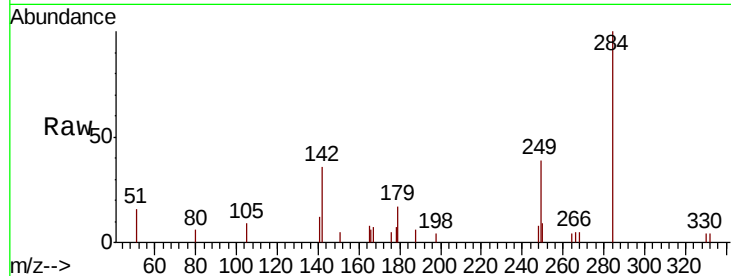
#21
Hexachlorobenzene
Concen: 0.298 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Instrument :
BNA_E
ClientSampled :
PB121385BS

Tot Ion	Ratio	Lower	Upper
284	100		
142	33.3	27.4	41.2
249	31.6	25.1	37.7

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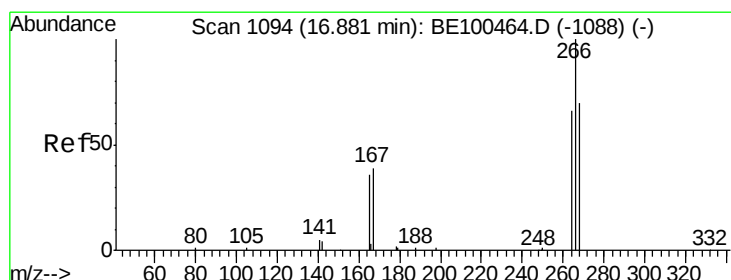
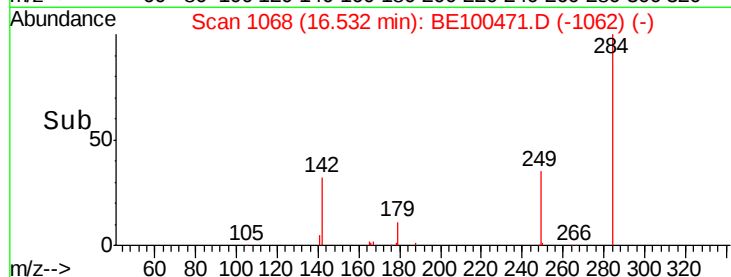
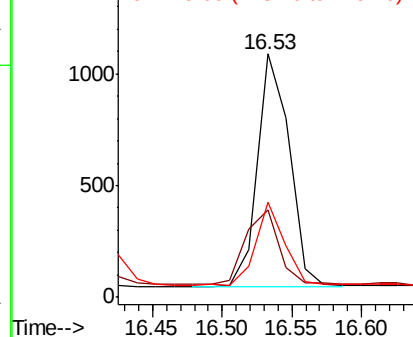


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22
Pentachlorophenol
Concen: 0.385 ng
RT: 16.88 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

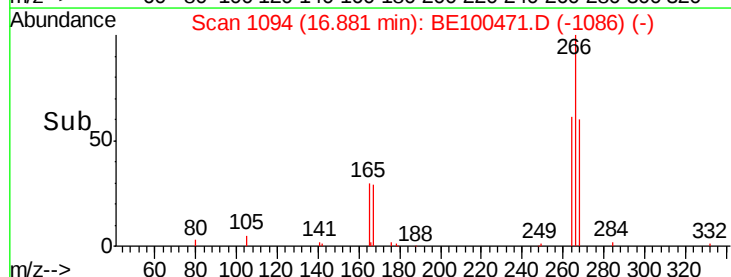
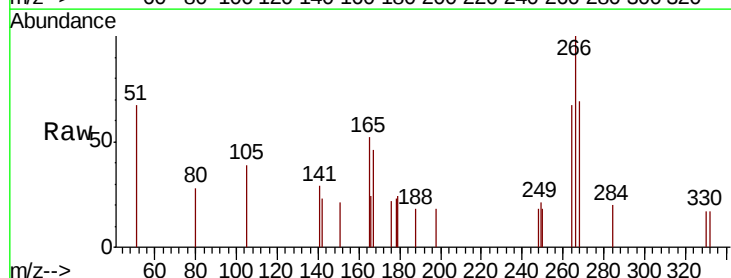
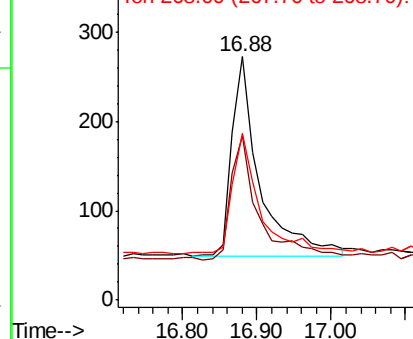
Tgt Ion	Ratio	Lower	Upper
266	100		
264	67.3	55.5	83.3
268	68.8	59.2	88.8

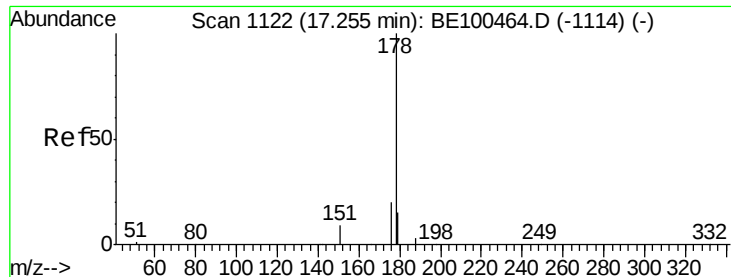
Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.295 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

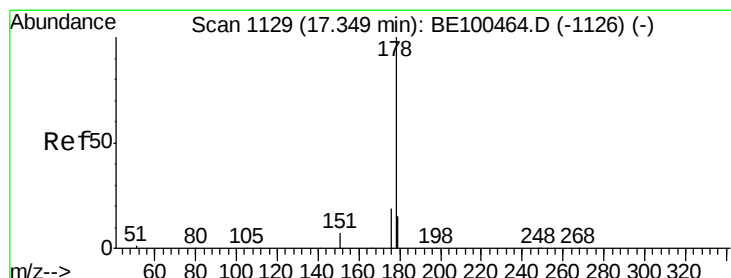
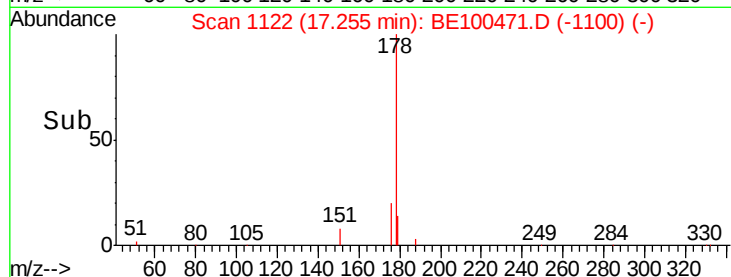
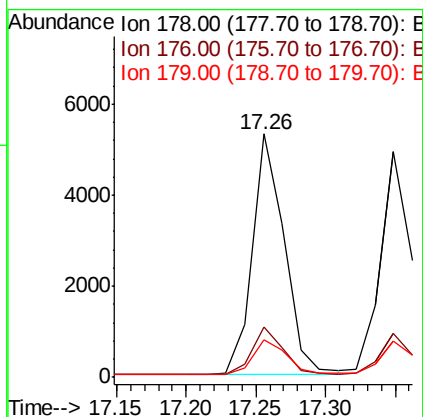
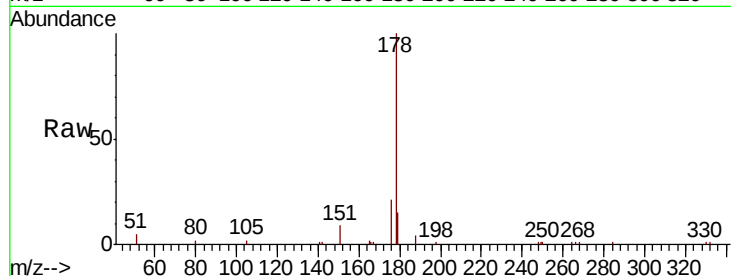
ClientSampleId :

PB121385BS

Tot Ion:	178	Resp:	8449
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.5	23.3
179	15.6	12.5	18.7

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#24

Anthracene

Concen: 0.283 ng

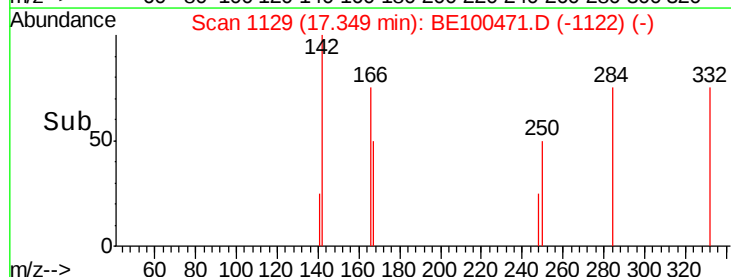
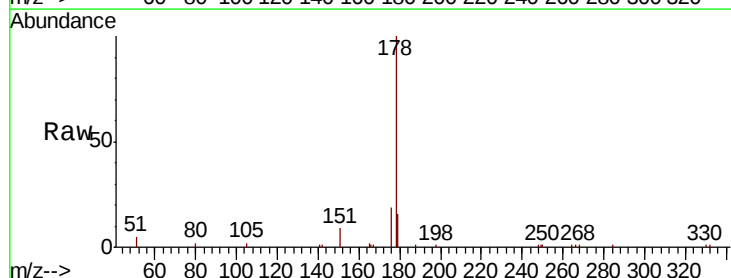
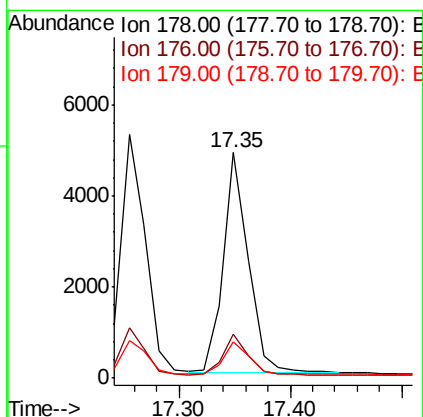
RT: 17.35 min Scan# 1129

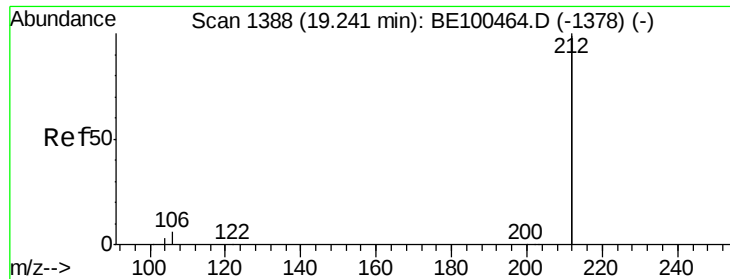
Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Tgt Ion:	178	Resp:	7582
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.0	22.6
179	15.0	12.2	18.2





#25

Fluoranthene-d10

Concen: 0.245 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

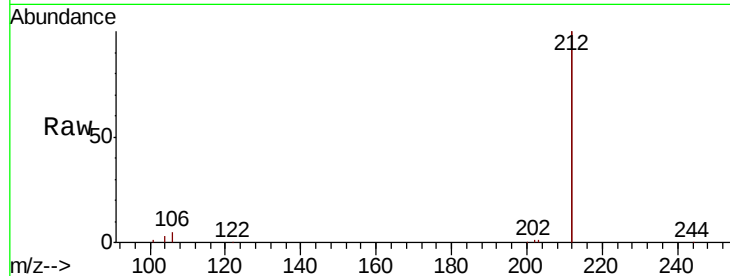
ClientSampleId :

PB121385BS

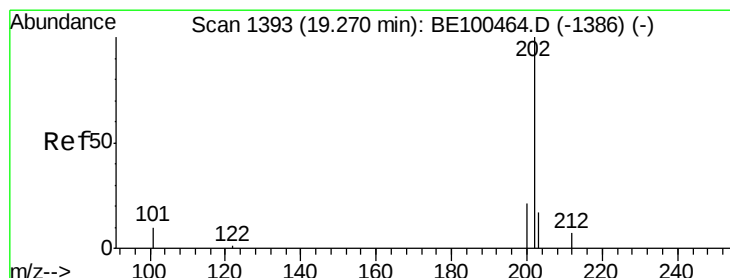
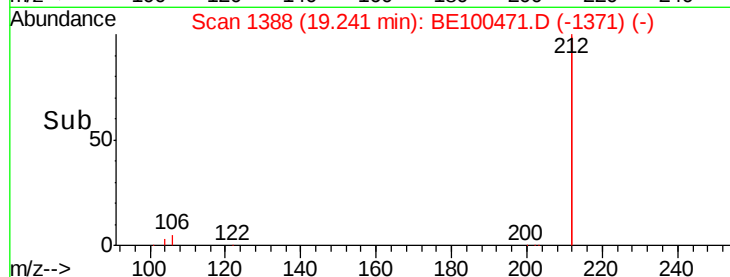
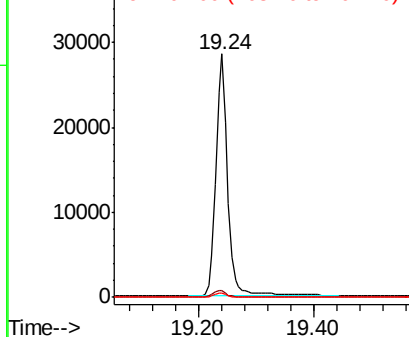
Tot Ion:	212	Resp:	39740
Ion Ratio	Lower	Upper	
212	100		
106	2.8	2.2	3.2
104	1.5	1.2	1.8

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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: 0.267 ng

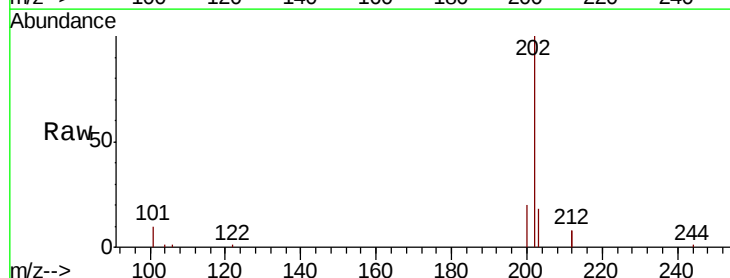
RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

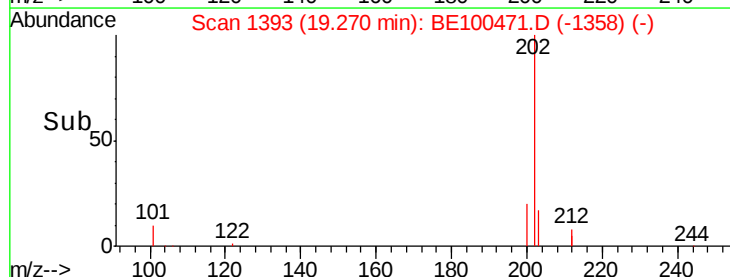
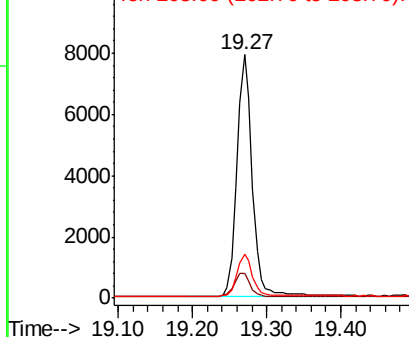
Lab File: BE100471.D

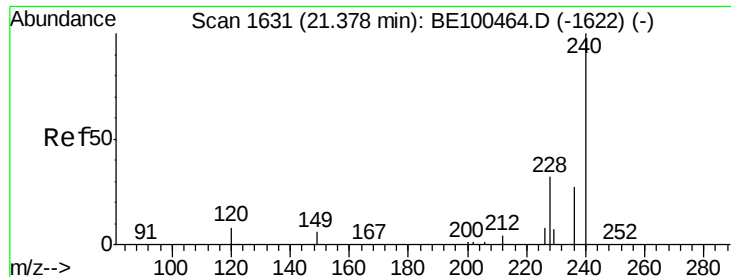
Acq: 19 Jul 2019 15:51

Tgt Ion:	202	Resp:	11355
Ion Ratio	Lower	Upper	
202	100		
101	10.1	8.3	12.5
203	17.0	13.6	20.4



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: 21.38 min Scan# 1631

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

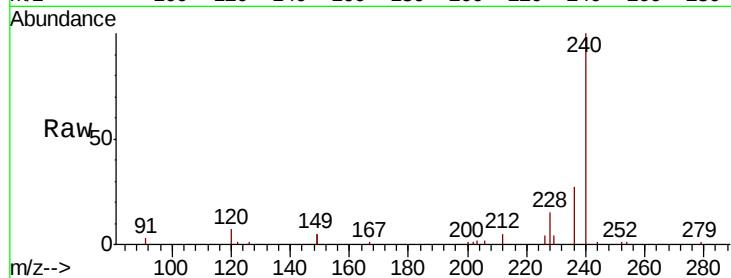
ClientSampleId :

PB121385BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.2	7.1	10.7
236	27.5	21.7	32.5

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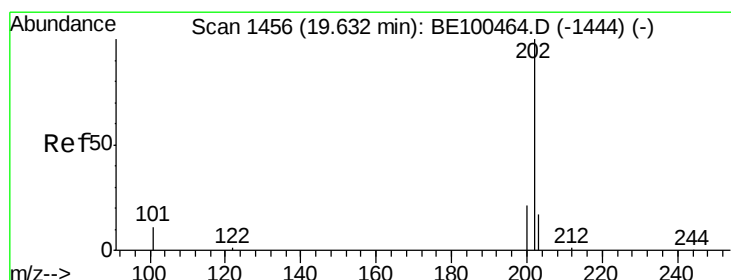
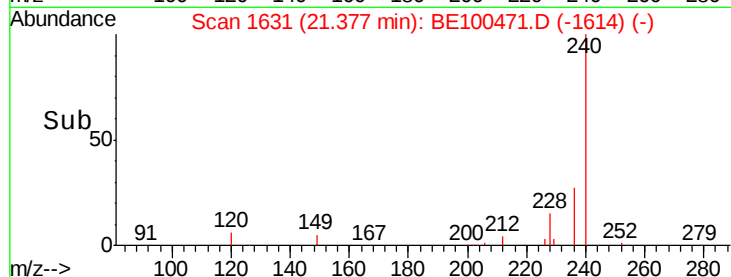
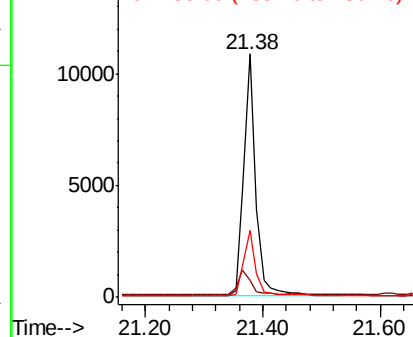


Abundance

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

Pyrene

Concen: 0.260 ng

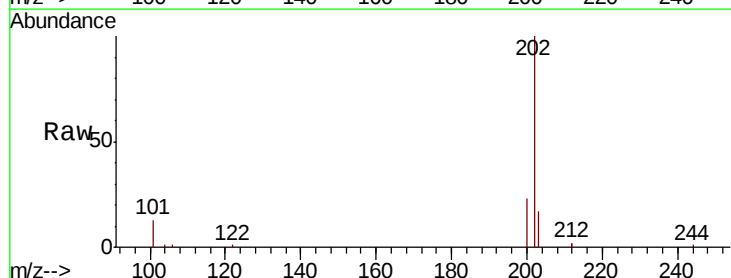
RT: 19.63 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.9	13.8	20.8

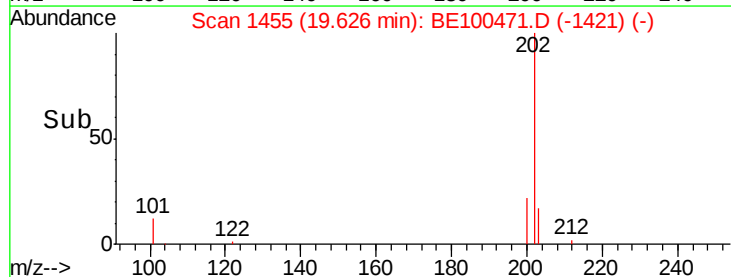
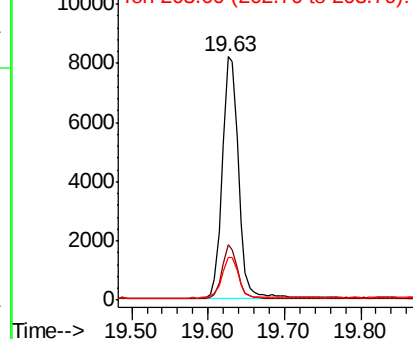


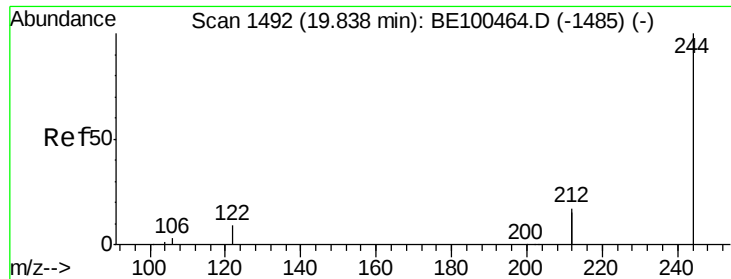
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





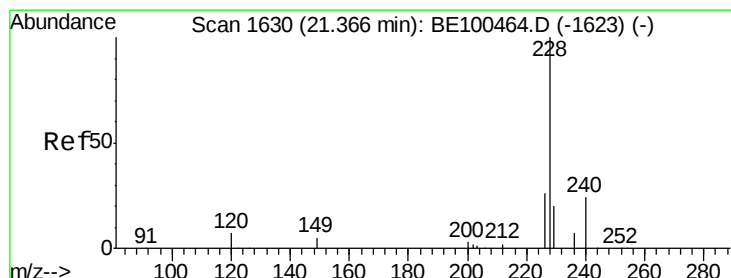
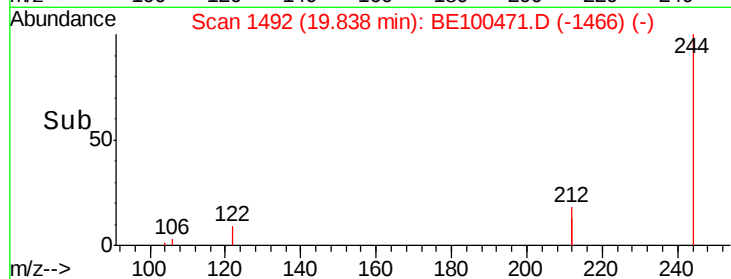
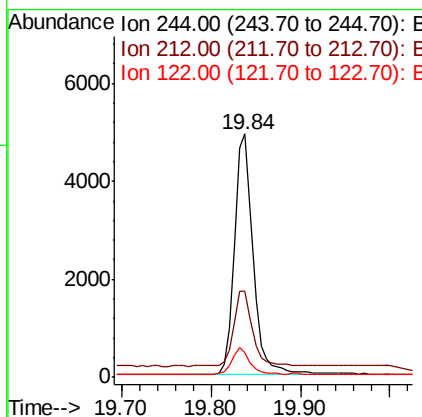
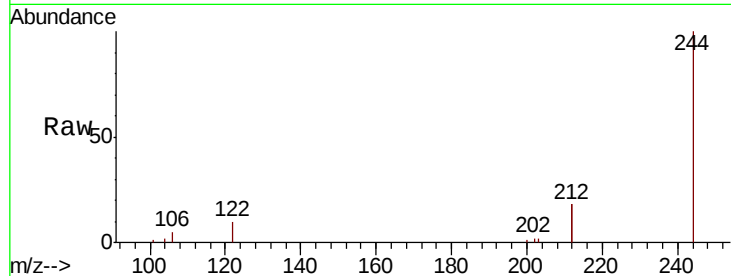
#29
 Terphenyl-d14
 Concen: 0.193 ng
 RT: 19.84 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: BE100471.D
 Acq: 19 Jul 2019 15:51

Instrument :
 BNA_E
 ClientSampleId :
 PB121385BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	35.5	26.6	40.0
122	10.3	7.6	11.4

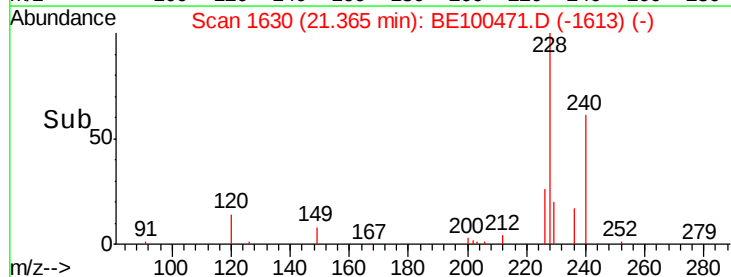
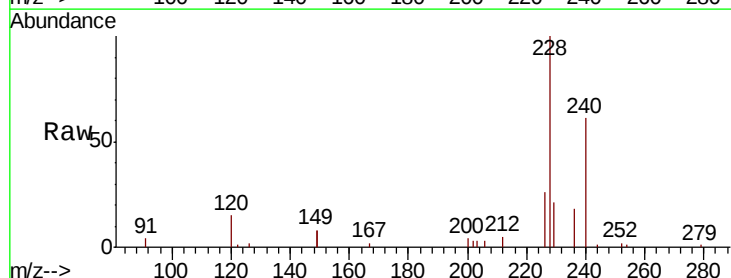
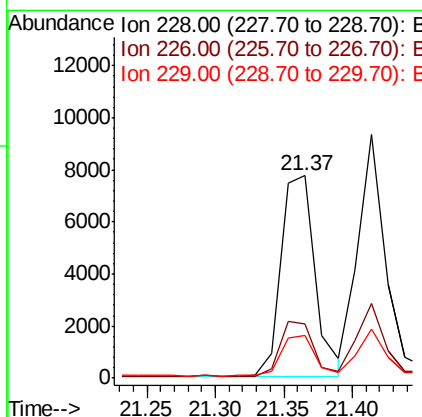
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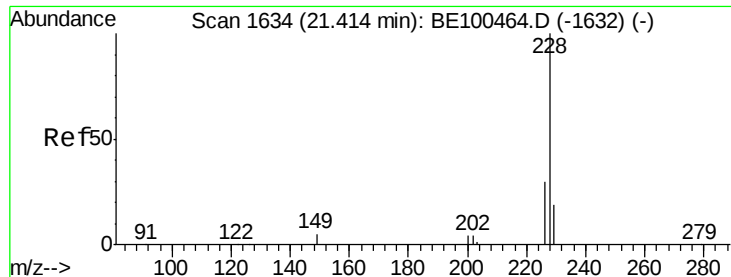
mohammad
 7/22/2019 10:02:14 AM



#30
 Benzo(a)anthracene
 Concen: 0.277 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE100471.D
 Acq: 19 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.3	31.9
229	20.9	16.6	25.0





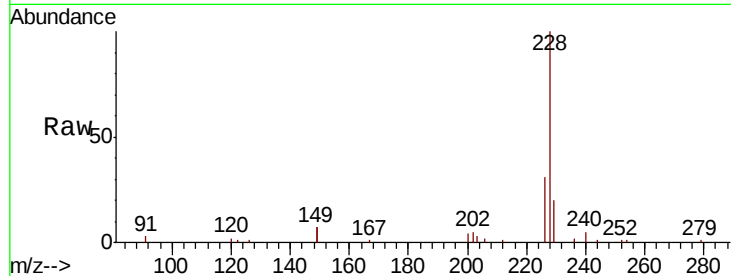
#31
 Chrysene
 Concen: 0.270 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: BE100471.D
 Acq: 19 Jul 2019 15:51

Instrument :
 BNA_E
 ClientSampleId :
 PB121385BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	20.2	16.0	24.0

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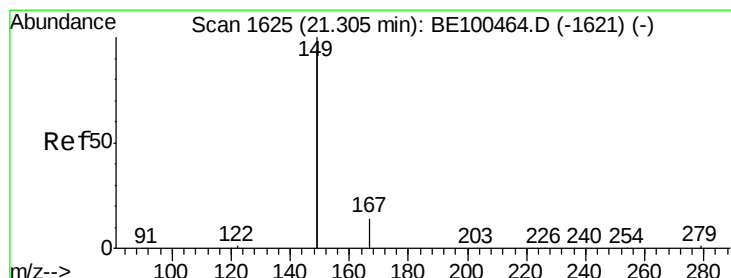
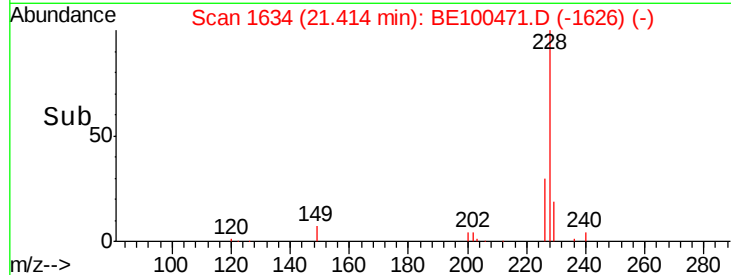
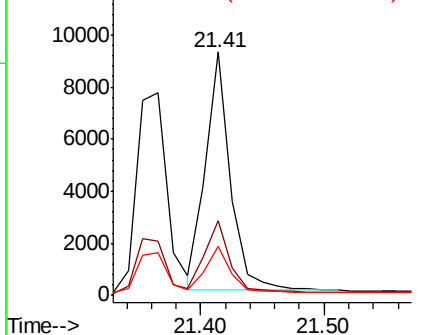


Abundance

Ion 228.00 (227.70 to 228.70): E

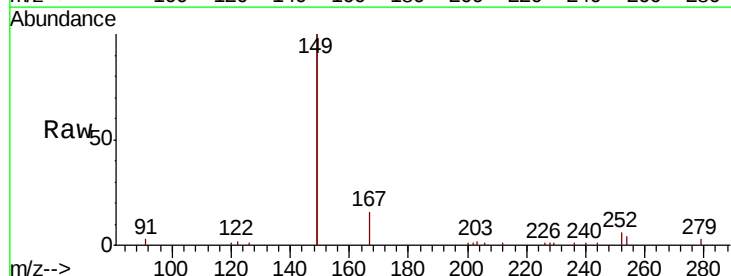
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.300 ng
 RT: 21.30 min Scan# 1625
 Delta R.T. -0.00 min
 Lab File: BE100471.D
 Acq: 19 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.8	8.6
279	0.9	0.8	1.2

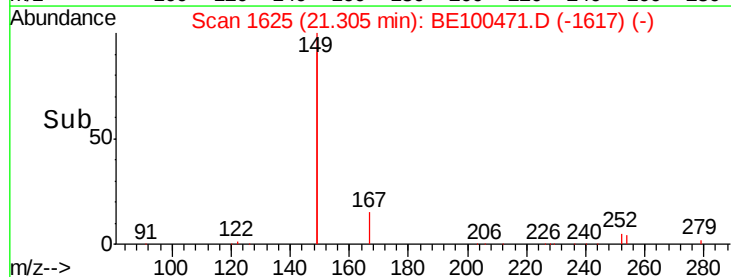
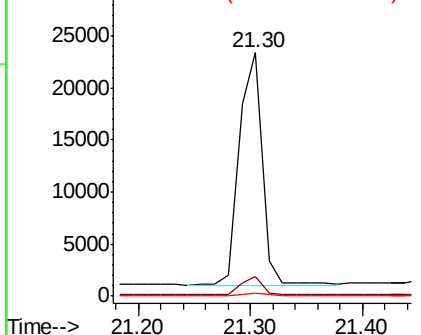


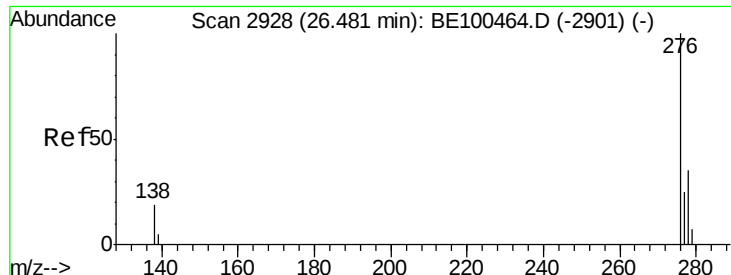
Abundance

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





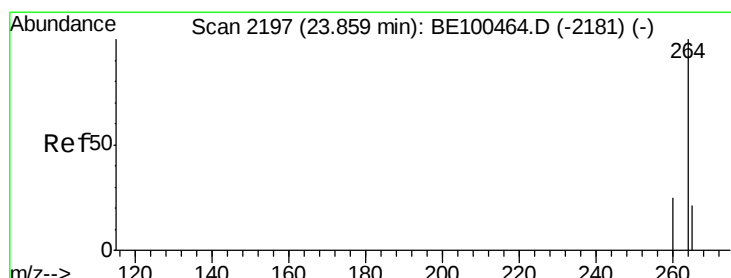
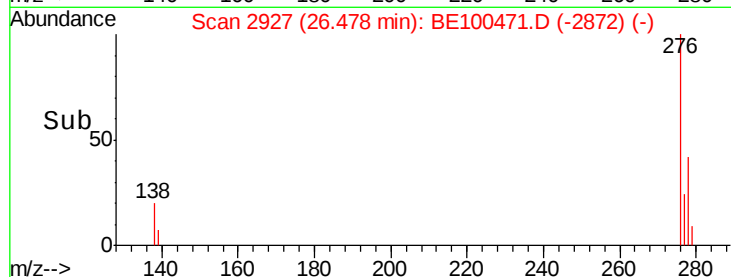
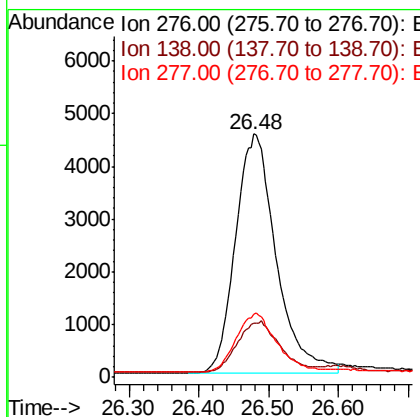
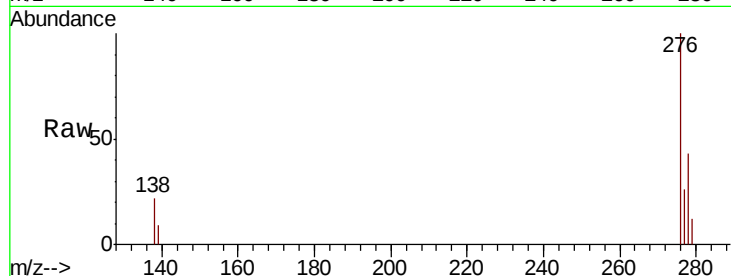
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.355 ng
RT: 26.48 min Scan# 2927
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Instrument :
BNA_E
ClientSampleId :
PB121385BS

Tot Ion	Ratio	Resp	Lower	Upper
276	100	18381		
138	22.0		17.4	26.0
277	24.5		19.4	29.0

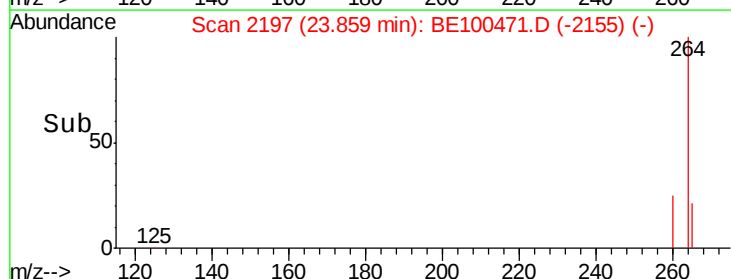
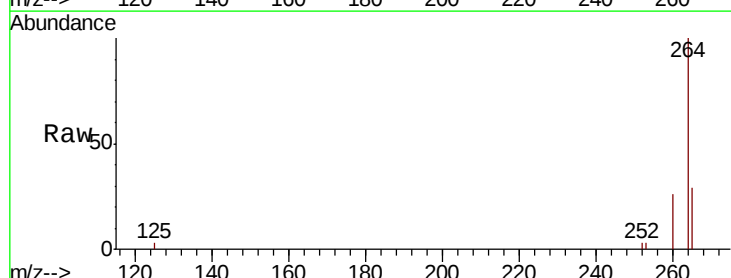
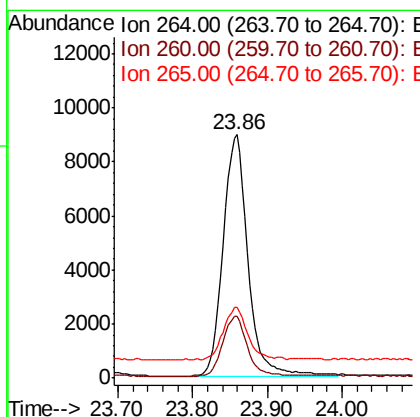
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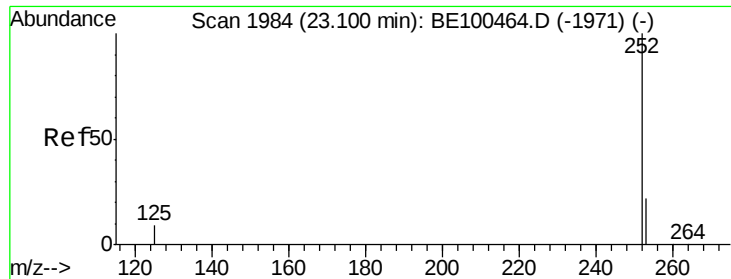
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	20498		
260	25.6		20.7	31.1
265	29.0		23.4	35.0





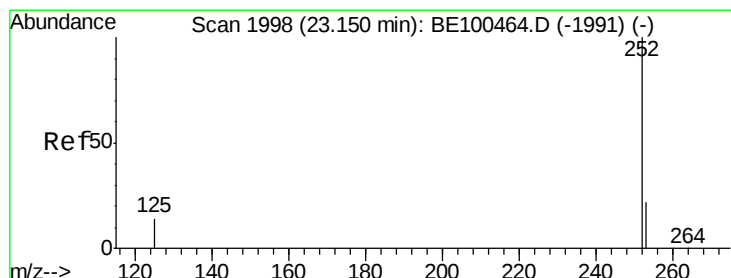
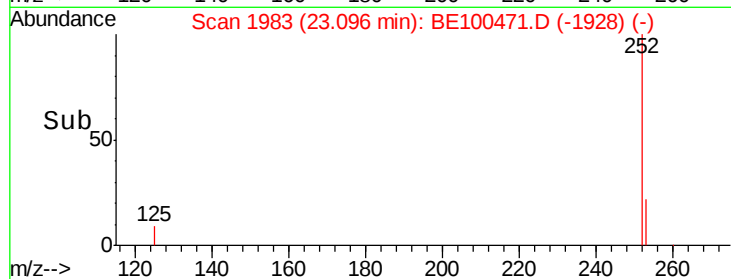
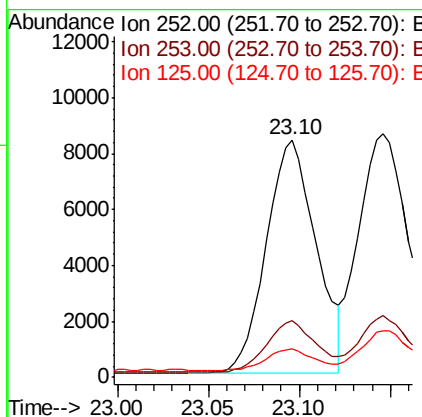
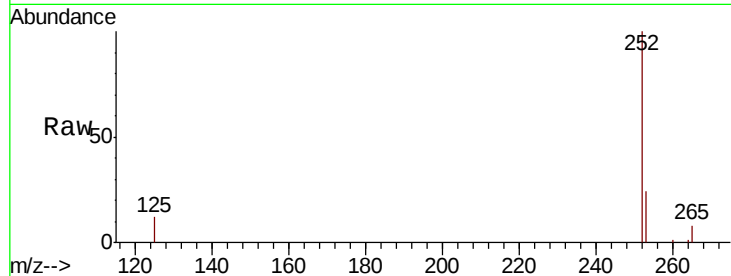
#35
Benzo(b)fluoranthene
Concen: 0.280 ng
RT: 23.10 min Scan# 1983
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Instrument :
BNA_E
ClientSampleId :
PB121385BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.5	27.7
125	12.1	9.0	13.4

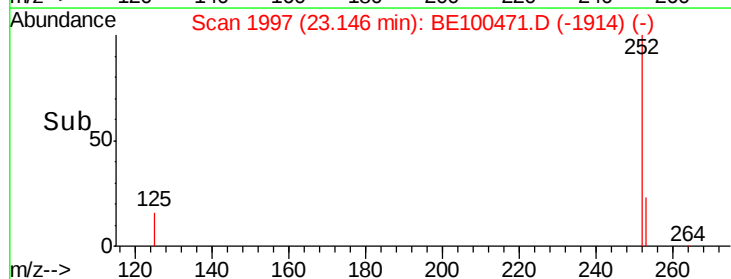
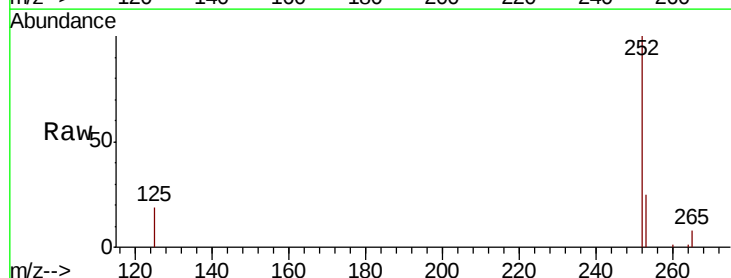
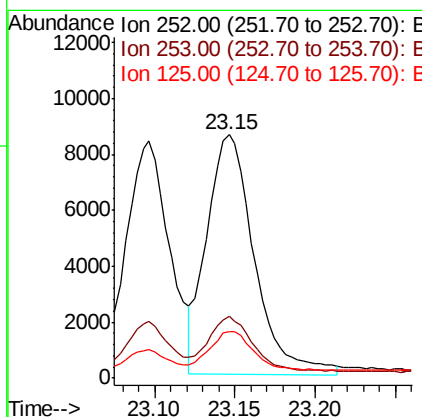
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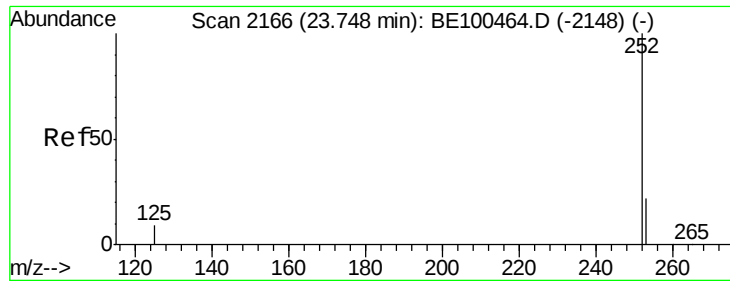
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#36
Benzo(k)fluoranthene
Concen: 0.294 ng m
RT: 23.15 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.0	28.4
125	19.0	11.8	17.8





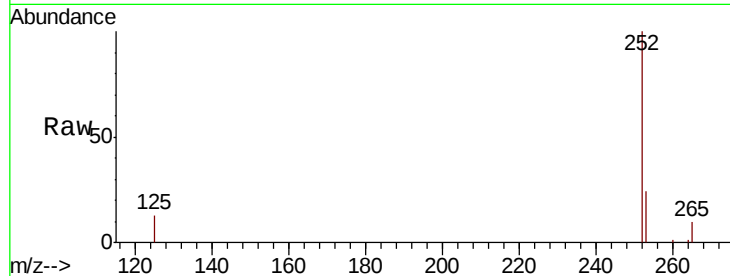
#37
Benzo(a)pyrene
Concen: 0.303 ng
RT: 23.74 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Instrument :
BNA_E
ClientSampleId :
PB121385BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.1	28.7
125	12.7	10.0	15.0

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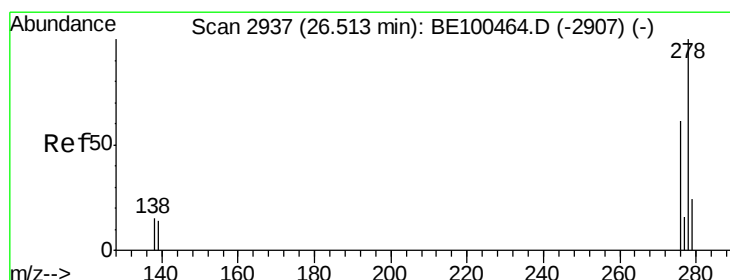
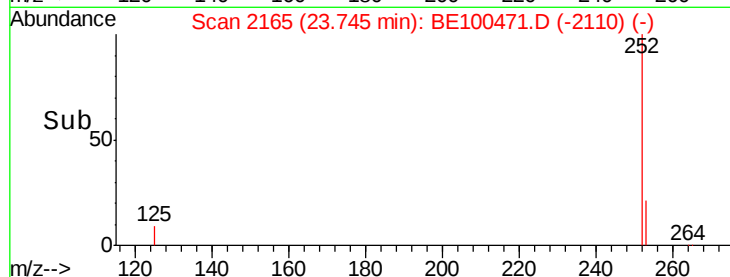
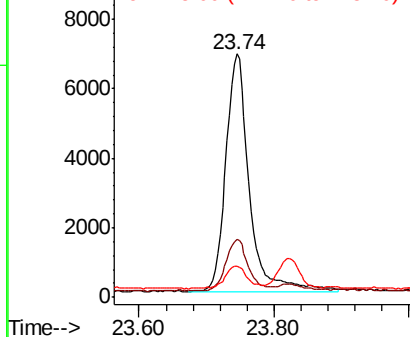


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38
Dibenzo(a,h)anthracene
Concen: 0.298 ng
RT: 26.50 min Scan# 2934
Delta R.T. -0.01 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

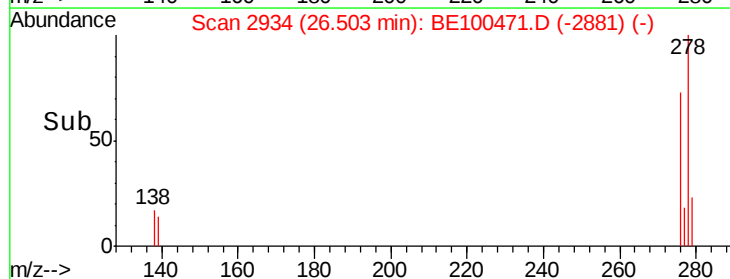
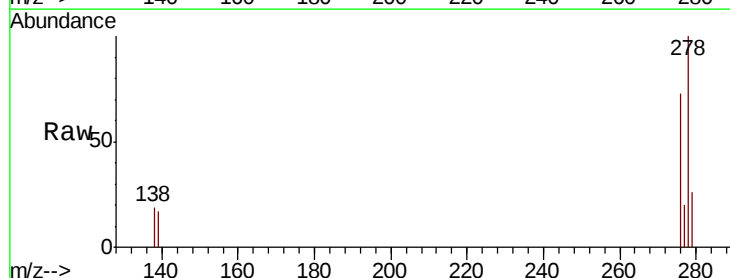
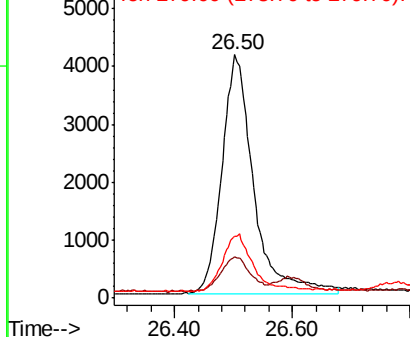
Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.0	19.6
279	25.6	20.4	30.6

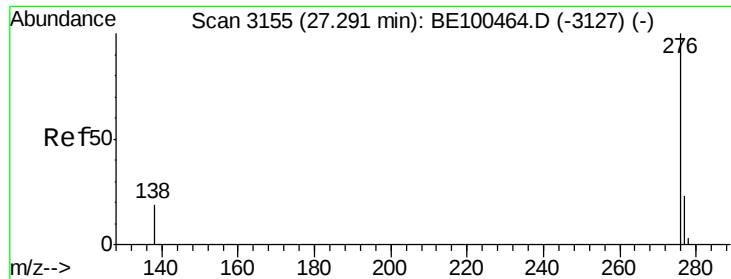
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.311 ng

RT: 27.28 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

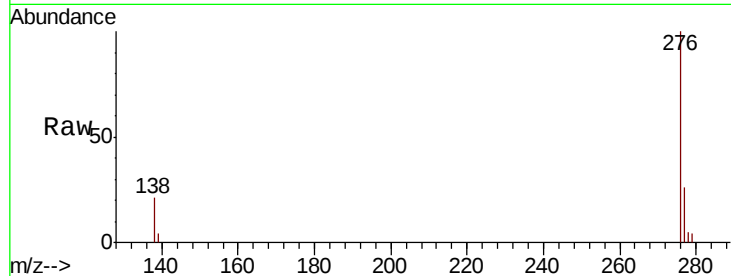
ClientSampleId :

PB121385BS

Tot Ion:	276	Resp:	16484
Ion Ratio	Lower	Upper	
276	100		
277	25.5	19.9	29.9
138	20.8	16.7	25.1

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

