

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081916\
 Data File : BE092272.D
 Acq On : 19 Aug 2016 16:22
 Operator : UM/SJ
 Sample : PB92976BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB92976BSD

Manual Integrations
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 8/22/2016 3:50:02 PM

Quant Time: Aug 22 01:00:00 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 11:12:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	13197	5.00	ng	0.02
7) Naphthalene-d8	10.97	136	55470	5.00	ng	0.00
12) Acenaphthene-d10	14.83	164	27587	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	60785	5.00	ng	0.02
24) Chrysene-d12	21.75	240	56521	5.00	ng	0.00
31) Perylene-d12	24.13	264	65254	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.70	112	24597	8.52	ng	0.00
5) Phenol-d6	7.36	99	31353	7.55	ng	0.00
8) Nitrobenzene-d5	9.34	82	14699	3.75	ng	-0.02
13) 2,4,6-Tribromophenol	16.32	330	6421	6.02	ng	0.00
14) 2-Fluorobiphenyl	13.46	172	31566	3.70	ng	-0.01
26) Terphenyl-d14	20.19	244	33884	3.55	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	4623	3.09	ng	# 85
3) n-Nitrosodimethylamine	3.79	42	8145	3.39	ng	# 98
6) bis(2-Chloroethyl)ether	7.61	93	11906	3.54	ng	# 33
9) Naphthalene	11.01	128	40016	3.22	ng	# 95
10) Hexachlorobutadiene	11.30	225	6049	3.37	ng	99
11) 2-Methylnaphthalene	12.64	142	27155	3.50	ng	94
15) Acenaphthylene	14.54	152	160540	3.36	ng	99
16) Acenaphthene	14.88	154	23864	3.12	ng	94
17) Fluorene	15.88	166	30378	3.28	ng	99
19) Hexachlorobenzene	16.91	284	7944m	3.29	ng	
20) Pentachlorophenol	17.26	266	5410	7.22	ng	# 81
21) Phenanthrene	17.63	178	48774	3.10	ng	100
22) Anthracene	17.72	178	45978	3.24	ng	99
23) Fluoranthene	19.61	202	202046	3.24	ng	99
25) Pyrene	19.99	202	210646	3.15	ng	99
27) Benzo(a)anthracene	21.72	228	254874	3.76	ng	# 67
28) Chrysene	21.79	228	158421m	2.53	ng	
29) Bis(2-ethylhexyl)phthalate	21.66	149	23383	2.21	ng	# 93
30) Indeno(1,2,3-cd)pyrene	26.63	276	271404	4.02	ng	99
32) Benzo(b)fluoranthene	23.39	252	59610	3.48	ng	# 95
33) Benzo(k)fluoranthene	23.44	252	57501	3.33	ng	# 95
34) Benzo(a)pyrene	24.02	252	57045	3.53	ng	# 93
35) Dibenzo(a,h)anthracene	26.65	278	56288	3.75	ng	93
36) Benzo(g,h,i)perylene	27.40	276	235454	3.64	ng	95

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

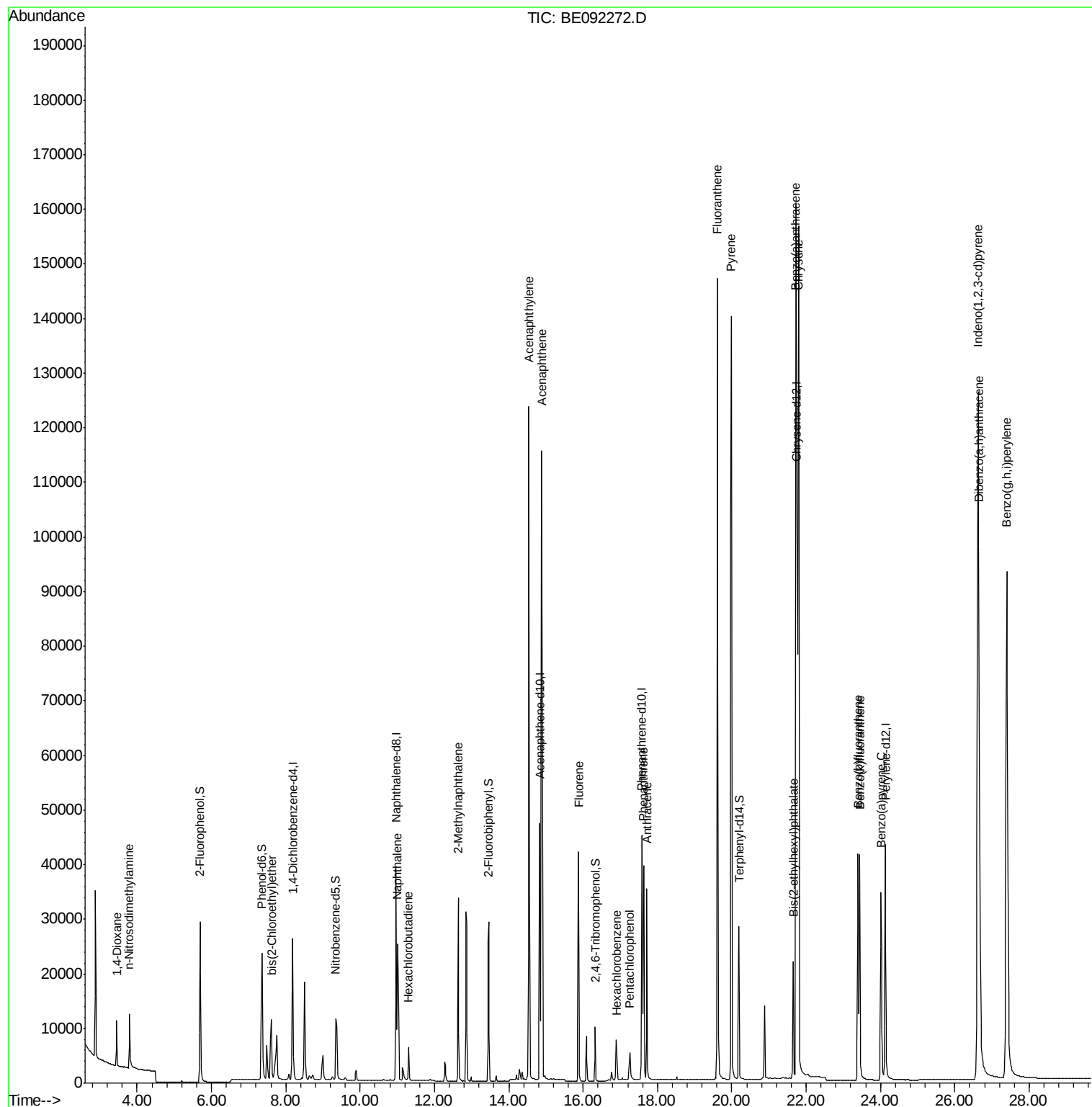
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081916\
Data File : BE092272.D
Acq On : 19 Aug 2016 16:22
Operator : UM/SJ
Sample : PB92976BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

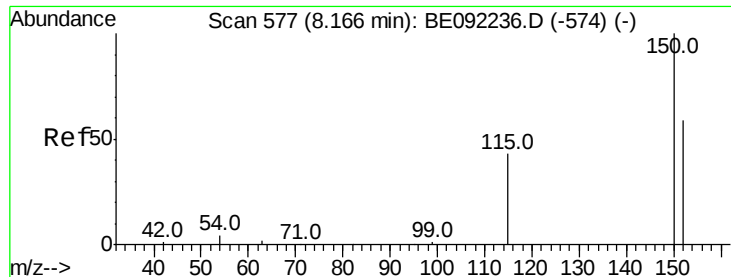
Instrument :
BNA_E
ClientSampleId :
PB92976BSD

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Quant Time: Aug 22 01:00:00 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 10 11:12:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.19 min Scan# 577

Delta R.T. 0.02 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Instrument :

BNA_E

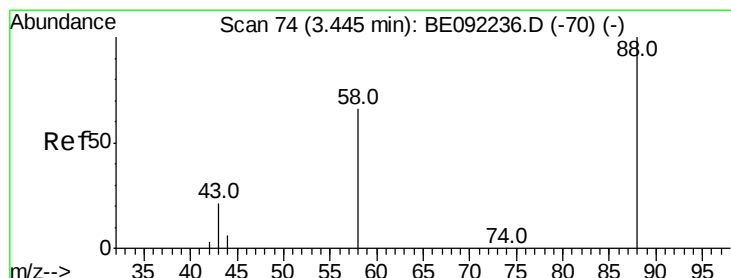
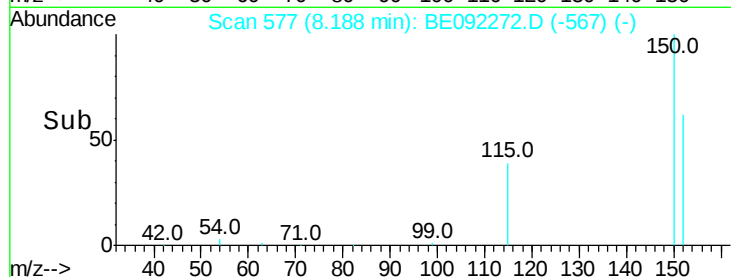
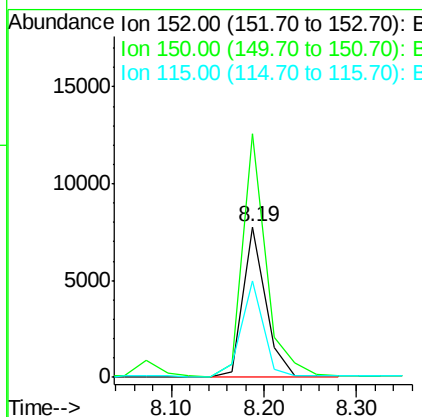
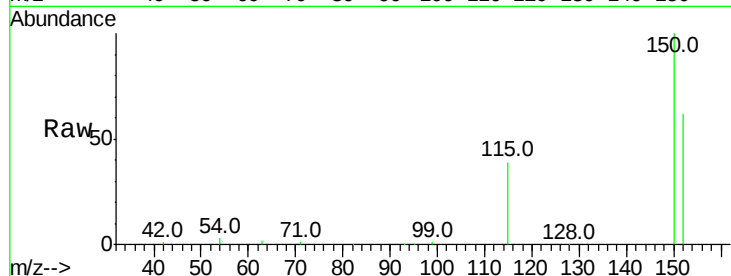
ClientSampleId :

PB92976BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.7	135.6	203.4
115	63.7	59.4	89.0

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#2

1,4-Dioxane

Concen: 3.09 ng

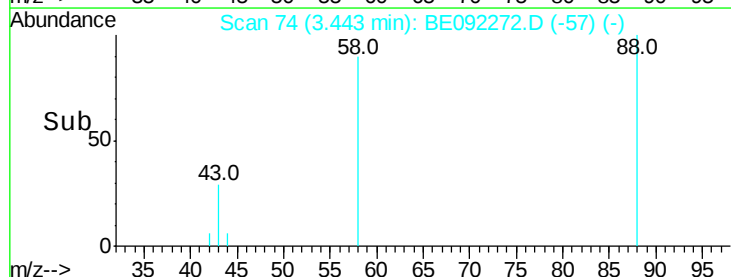
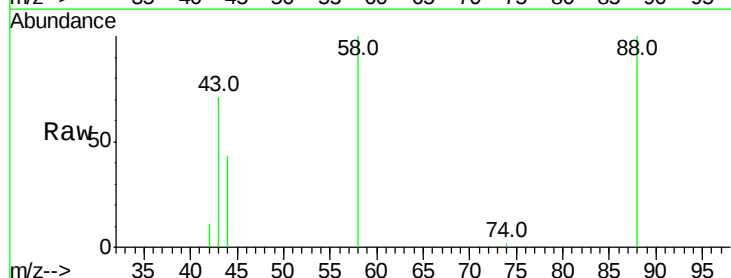
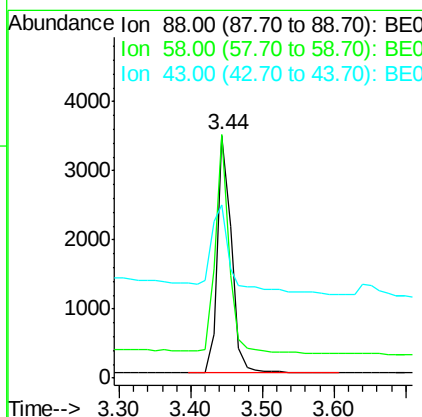
RT: 3.44 min Scan# 74

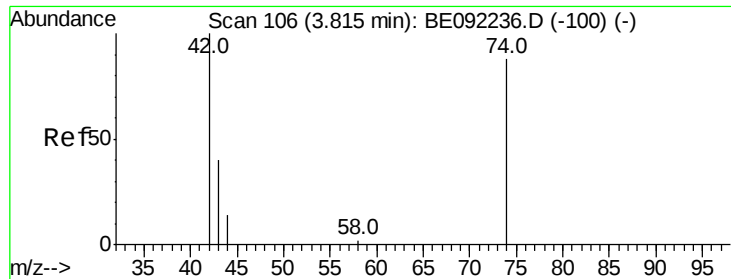
Delta R.T. -0.00 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	91.4	64.4	96.6
43	54.6	33.4	50.2





#3

n-Nitrosodimethylamine

Concen: 3.39 ng

RT: 3.79 min Scan# 104

Delta R.T. -0.02 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Instrument :

BNA_E

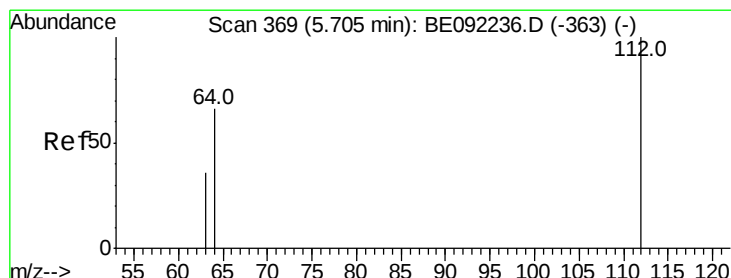
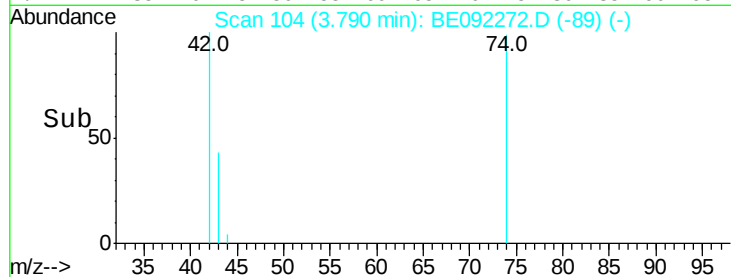
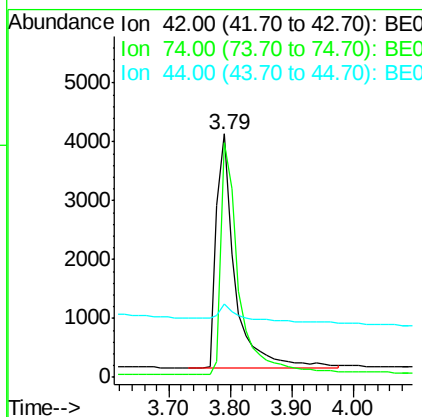
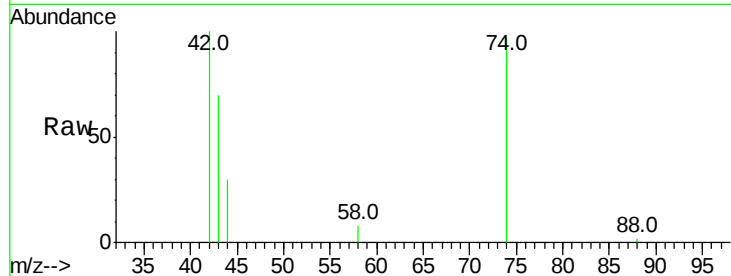
ClientSampled :

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Tot Ion:	42	Resp:	8145
Ion Ratio	Lower	Upper	
42	100		
74	97.5	77.2	115.8
44	10.6	5.0	7.4#

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#4

2-Fluorophenol

Concen: 8.52 ng

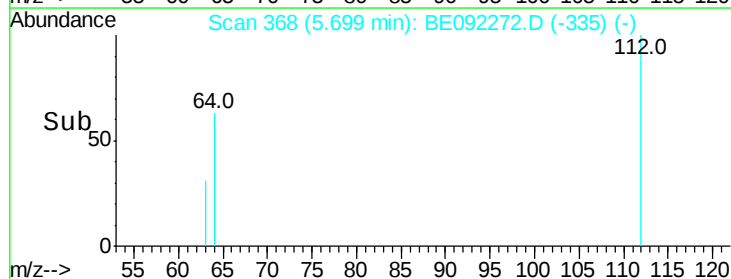
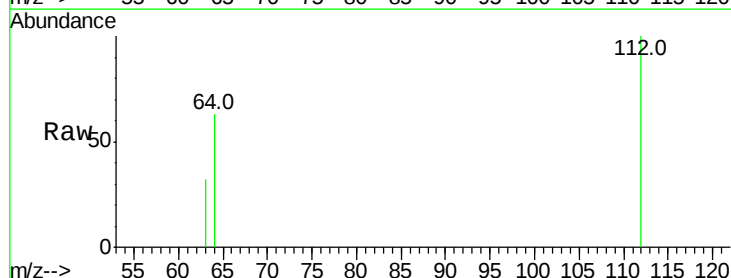
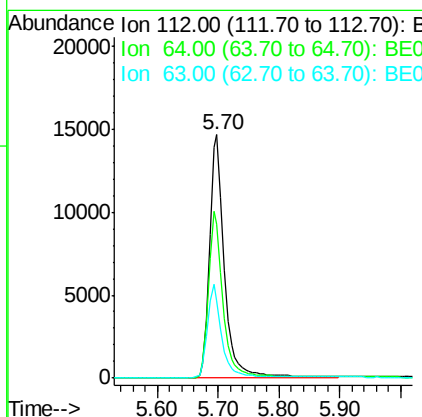
RT: 5.70 min Scan# 368

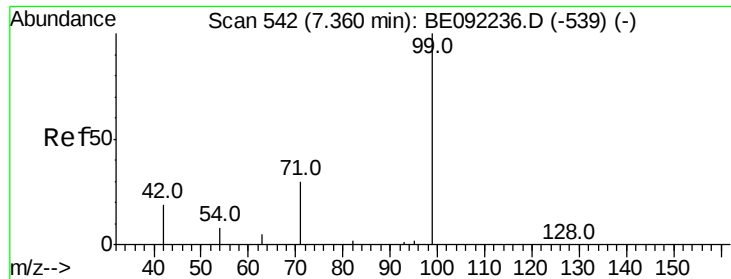
Delta R.T. -0.01 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Tgt Ion:	112	Resp:	24597
Ion Ratio	Lower	Upper	
112	100		
64	67.5	53.2	79.8
63	37.0	27.4	41.2





#5

Phenol-d6

Concen: 7.55 ng

RT: 7.36 min Scan# 541

Delta R.T. -0.00 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Instrument :

BNA_E

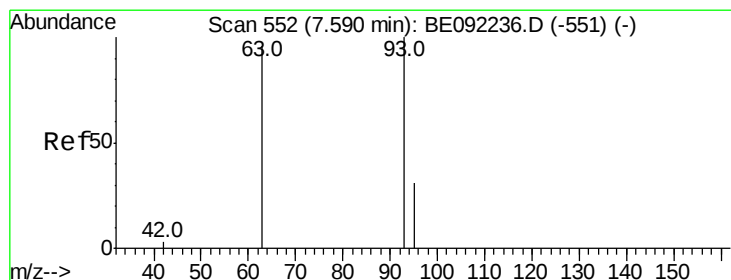
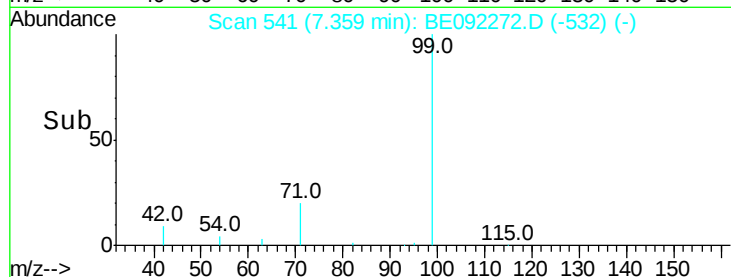
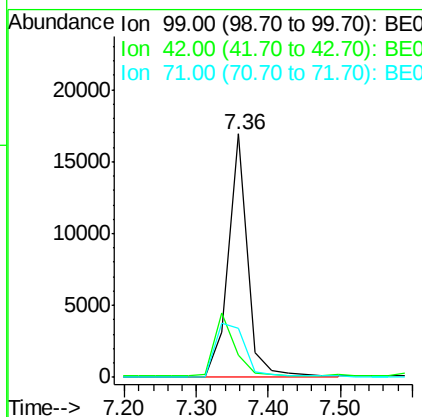
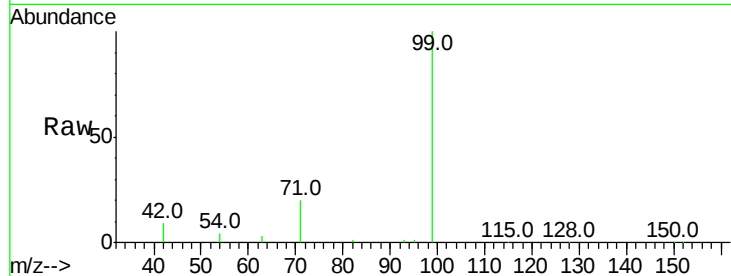
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
99	100	31353		
42	0.0	0.0	0.0	0.0
71	0.0	29.8	44.8	

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#6

bis(2-Chloroethyl)ether

Concen: 3.54 ng

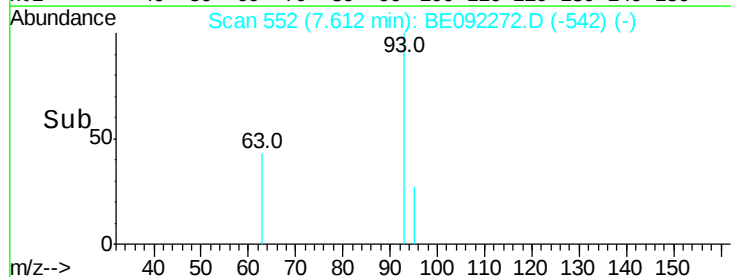
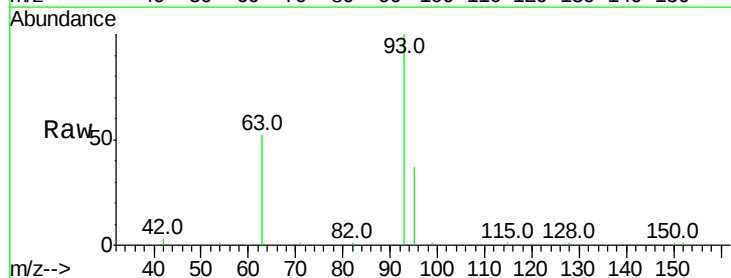
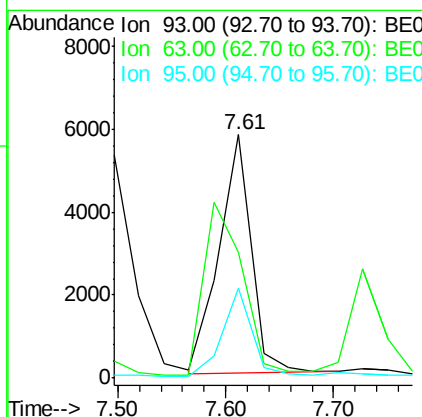
RT: 7.61 min Scan# 552

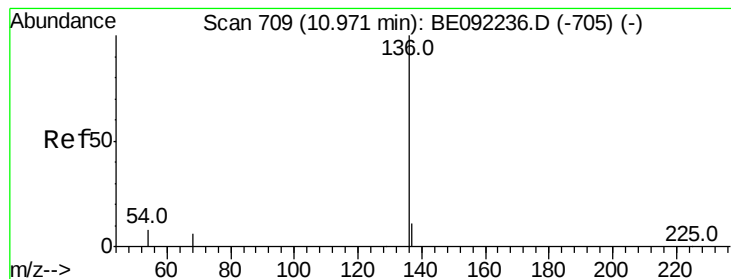
Delta R.T. 0.02 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	11906		
63	0.0	68.5	102.7	
95	33.2	27.2	40.8	





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.00 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Instrument :

BNA_E

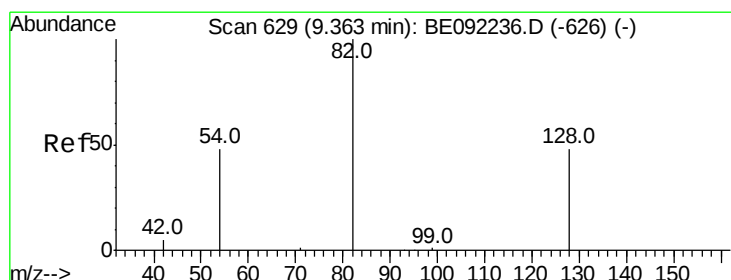
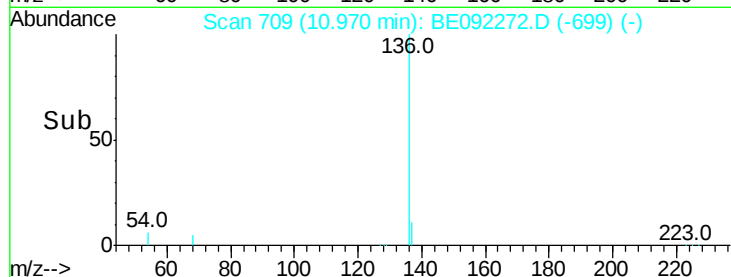
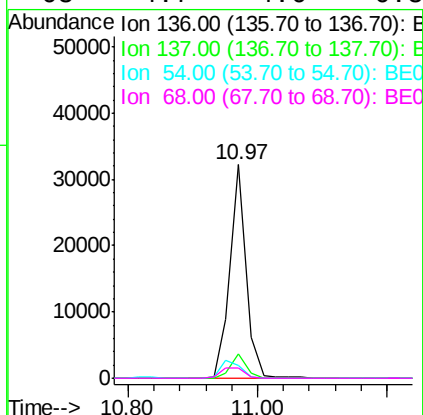
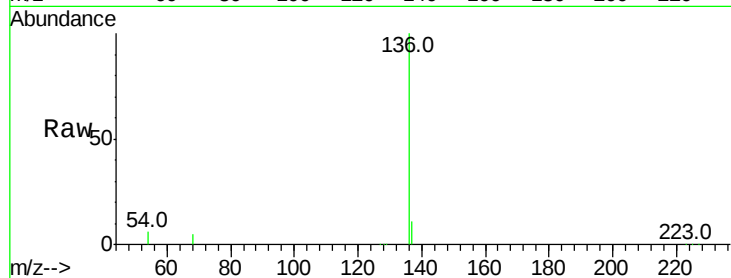
ClientSampled :

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Tot Ion:	136	Resp:	55470
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.8	13.2
54	6.3	6.2	9.4
68	4.7	4.6	6.8

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#8

Nitrobenzene-d5

Concen: 3.75 ng

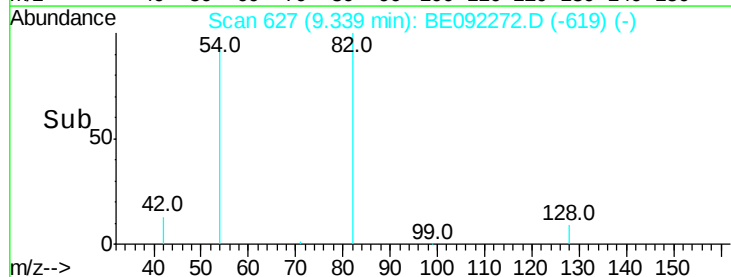
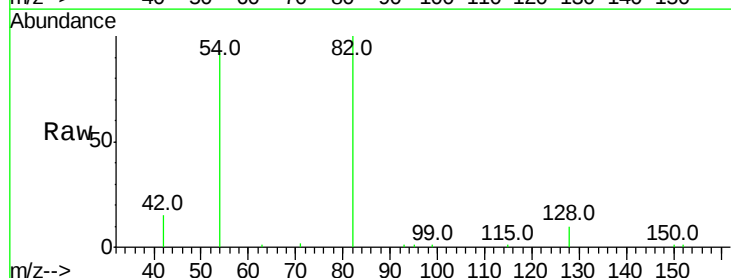
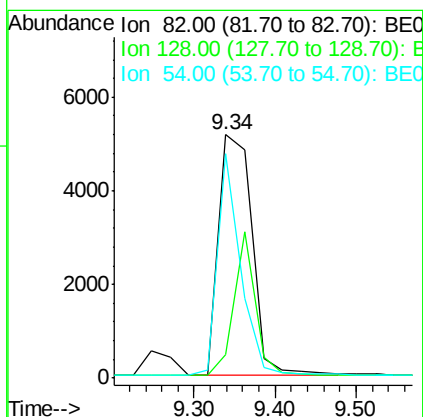
RT: 9.34 min Scan# 627

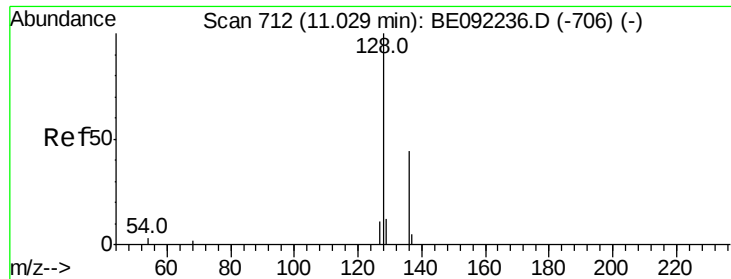
Delta R.T. -0.02 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Tgt Ion:	82	Resp:	14699
Ion Ratio	Lower	Upper	
82	100		
128	9.9	45.0	67.4#
54	92.1	45.4	68.2#





#9

Naphthalene

Concen: 3.22 ng

RT: 11.01 min Scan# 711

Delta R.T. -0.02 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Instrument :

BNA_E

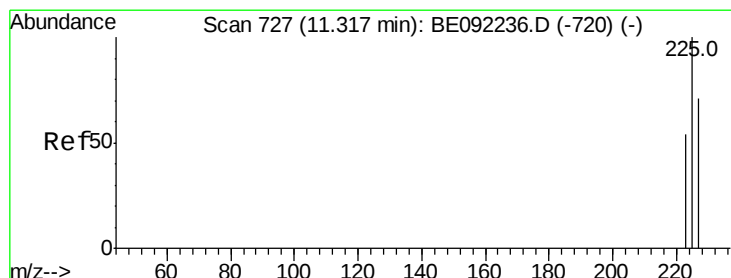
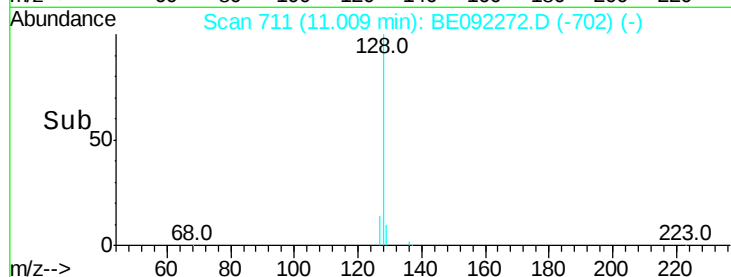
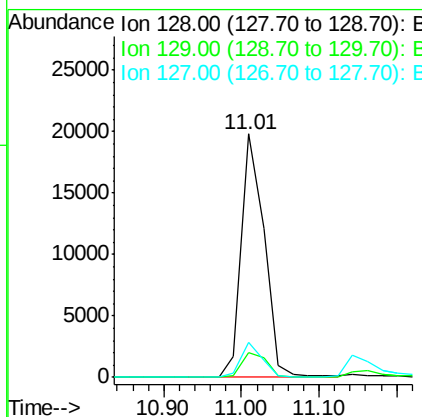
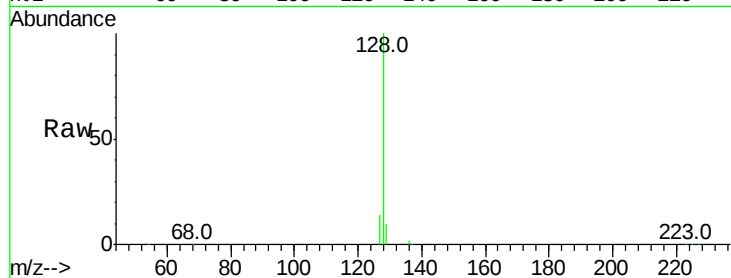
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	11.5	17.3#
127	14.2	11.0	16.6

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#10

Hexachlorobutadiene

Concen: 3.37 ng

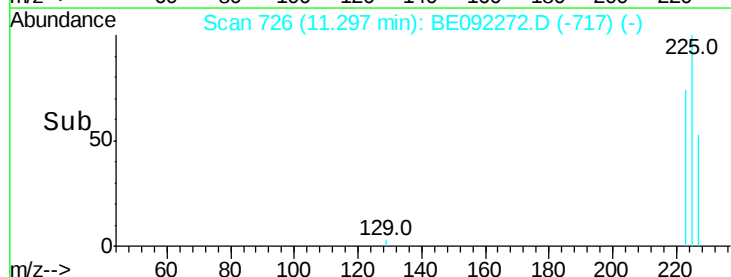
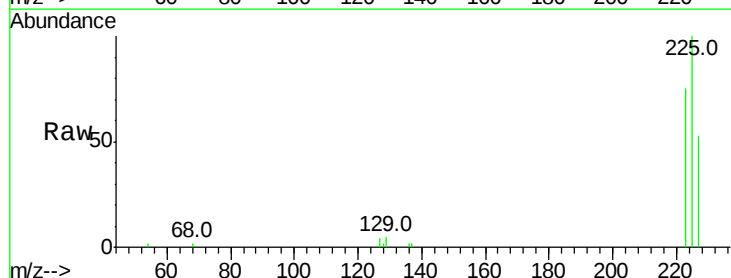
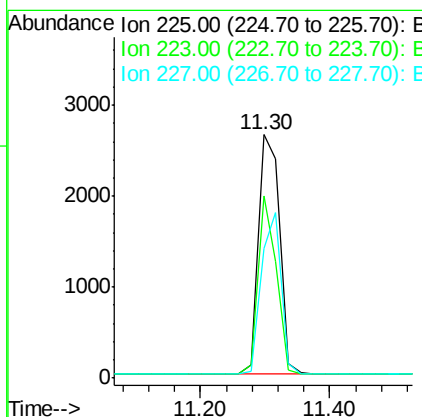
RT: 11.30 min Scan# 726

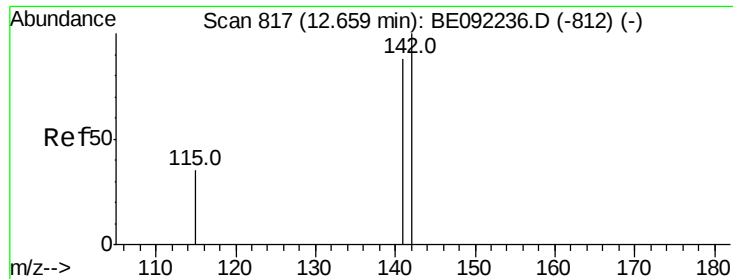
Delta R.T. -0.02 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	52.2	78.4
227	63.5	51.0	76.6





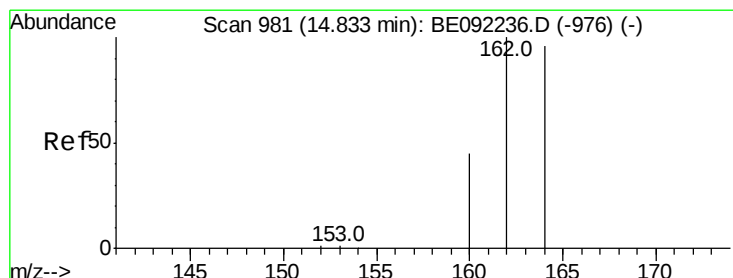
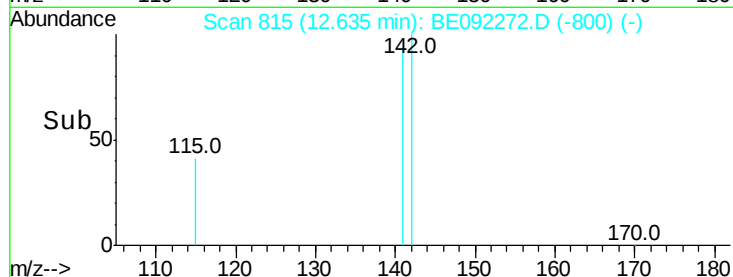
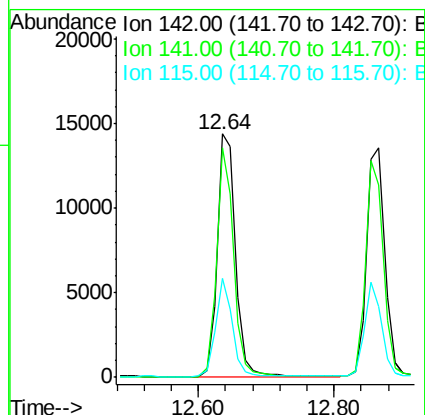
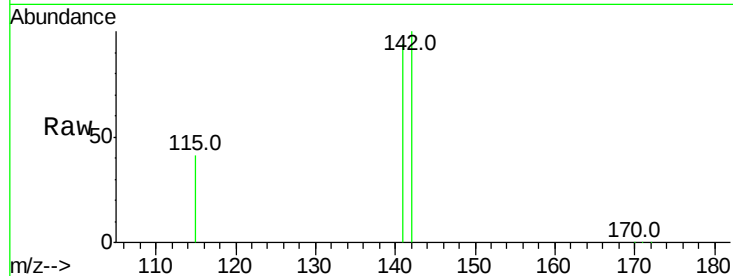
#11
2-Methylnaphthalene
Concen: 3.50 ng
RT: 12.64 min Scan# 815
Delta R.T. -0.02 min
Lab File: BE092272.D
Acq: 19 Aug 2016 16:22

Instrument :
BNA_E
ClientSampleId :
PB92976BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.2	70.6	105.8
115	40.9	31.0	46.4

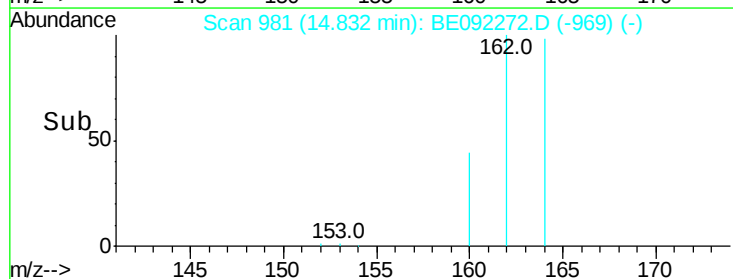
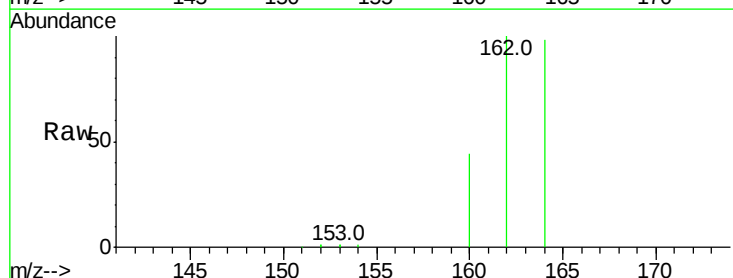
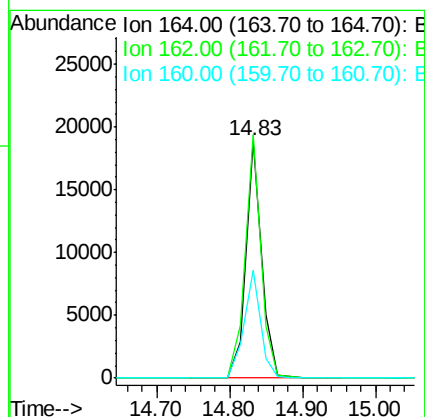
Manual Integrations
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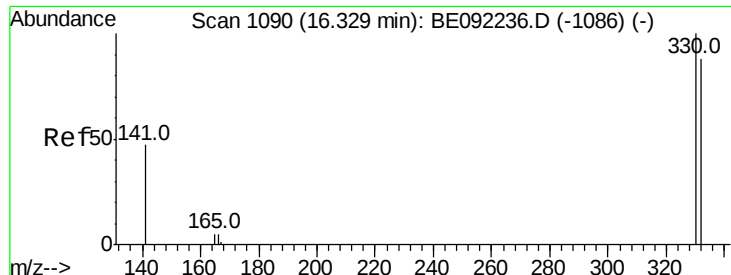
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 981
Delta R.T. -0.00 min
Lab File: BE092272.D
Acq: 19 Aug 2016 16:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	83.3	124.9
160	45.4	38.0	57.0





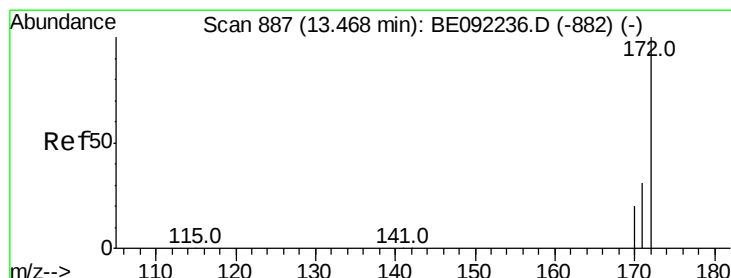
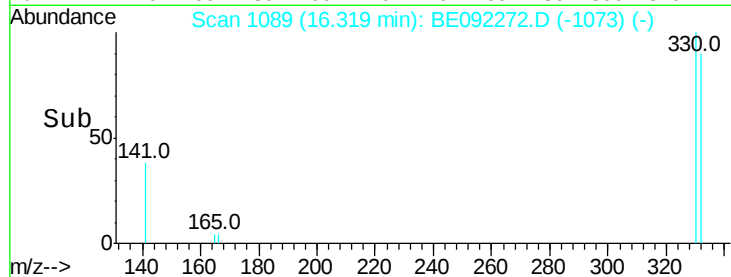
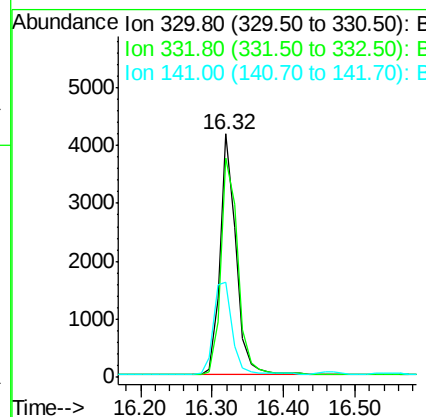
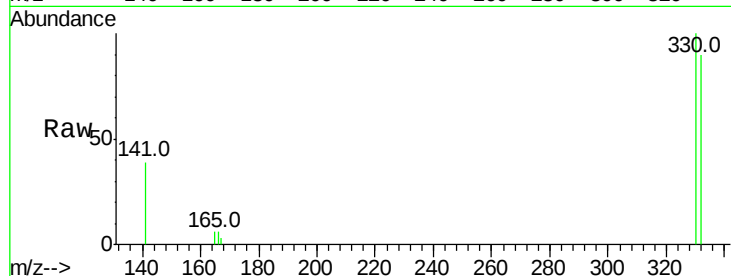
#13
 2,4,6-Tribromophenol
 Concen: 6.02 ng
 RT: 16.32 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: BE092272.D
 Acq: 19 Aug 2016 16:22

Instrument :
 BNA_E
 ClientSampled :
 PB92976BSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.4	113.0
141	45.2	37.7	56.5

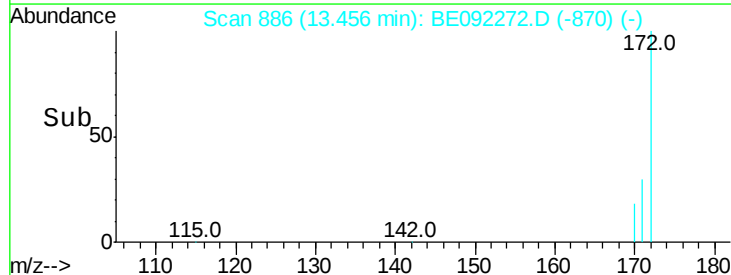
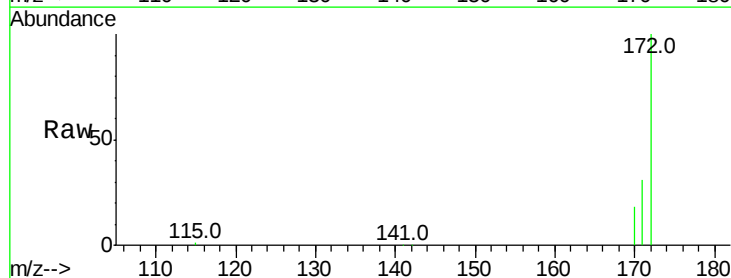
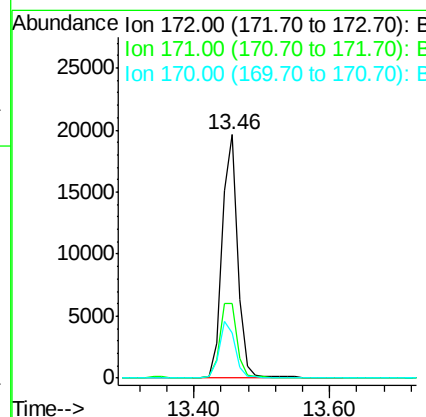
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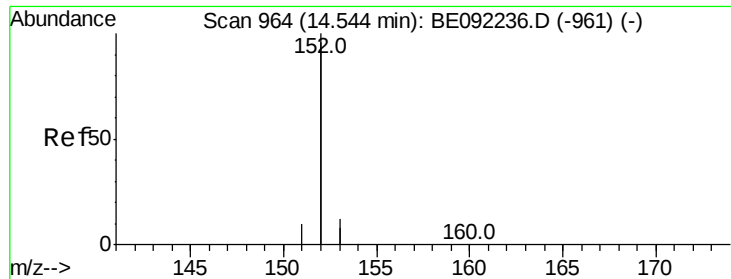
sohil
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#14
 2-Fluorobiphenyl
 Concen: 3.70 ng
 RT: 13.46 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BE092272.D
 Acq: 19 Aug 2016 16:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	30.6	26.8	40.2
170	18.5	17.8	26.6





#15

Acenaphthylene

Concen: 3.36 ng

RT: 14.54 min Scan# 964

Delta R.T. -0.00 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Instrument :

BNA_E

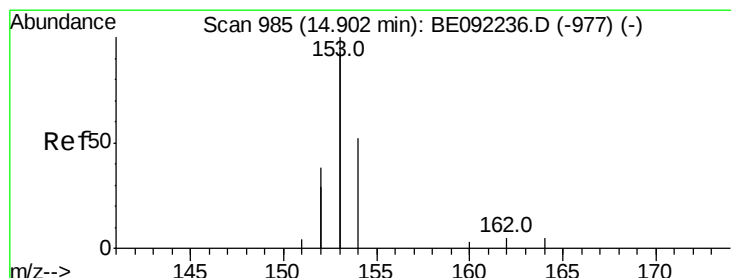
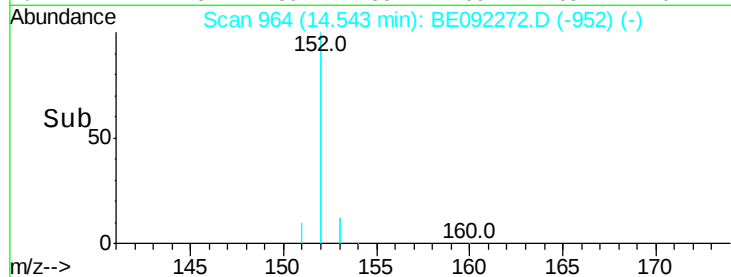
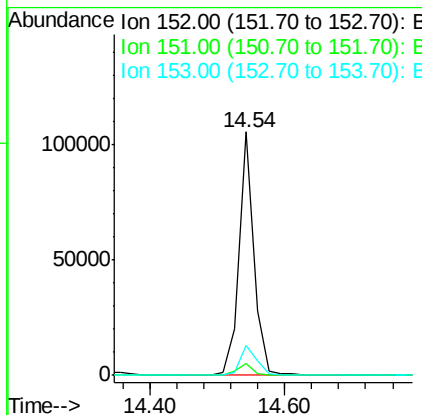
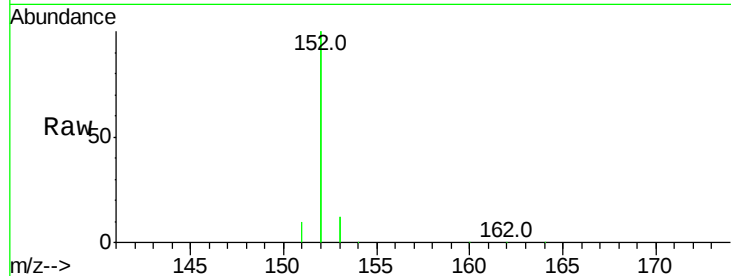
ClientSampleId :

PB92976BSD

Tot Ion:	152	Resp:	160540
Ion Ratio	Lower	Upper	
152	100		
151	4.9	3.8	5.8
153	13.0	10.2	15.2

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#16

Acenaphthene

Concen: 3.12 ng

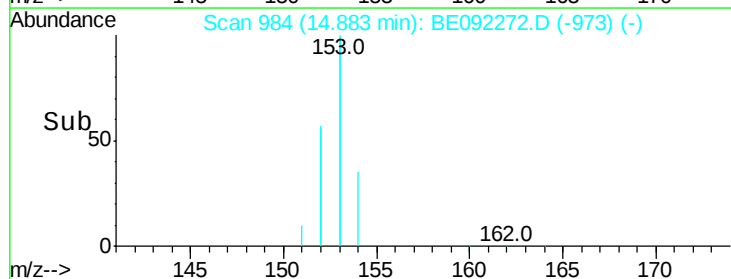
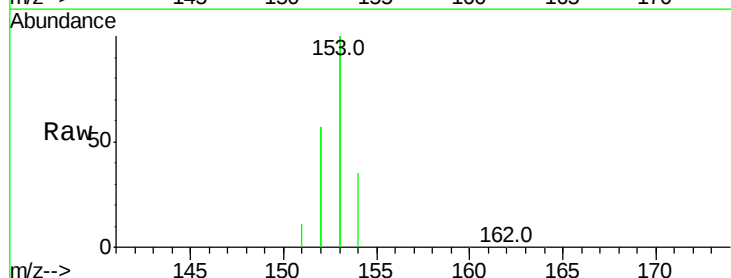
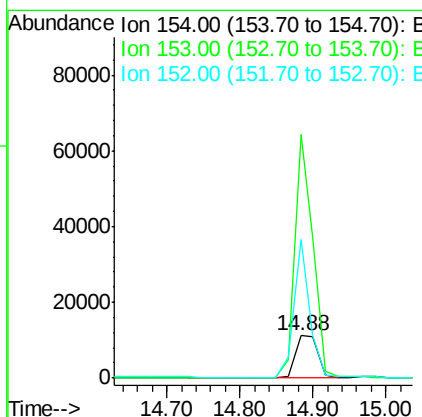
RT: 14.88 min Scan# 984

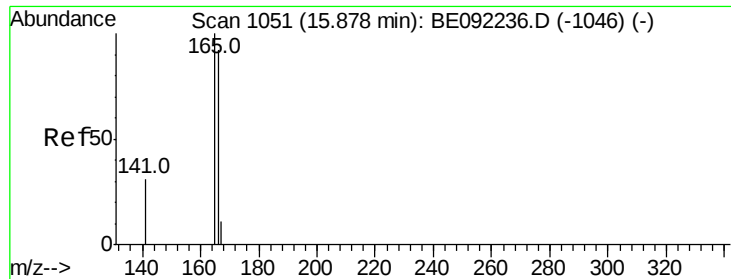
Delta R.T. -0.02 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Tgt Ion:	154	Resp:	23864
Ion Ratio	Lower	Upper	
154	100		
153	462.7	355.0	532.4
152	230.3	179.7	269.5





#17

Fluorene

Concen: 3.28 ng

RT: 15.88 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Instrument :

BNA_E

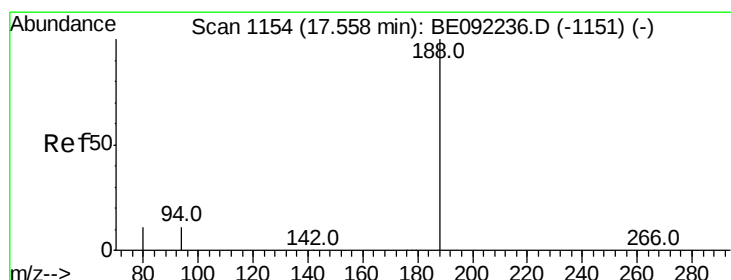
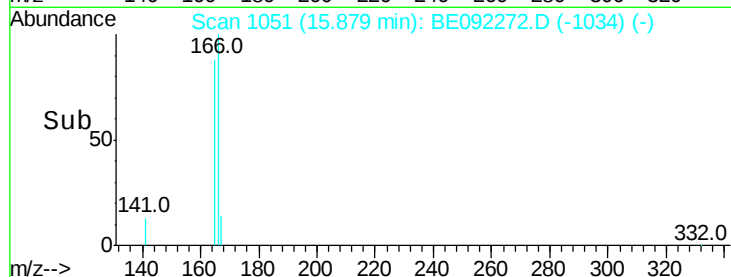
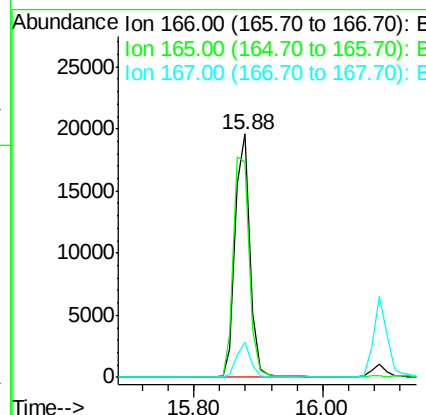
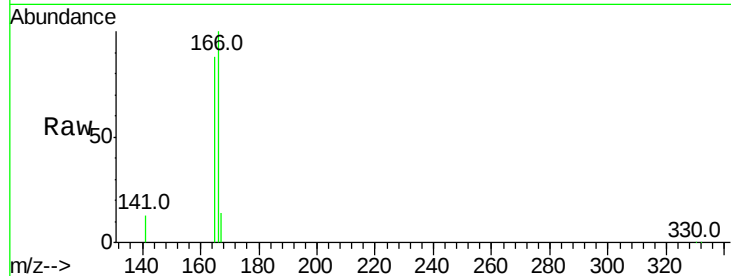
ClientSampled :

PB92976BSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.0	80.1	120.1
167	13.3	10.6	16.0

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#18

Phenanthrene-d10

Concen: 5.00 ng

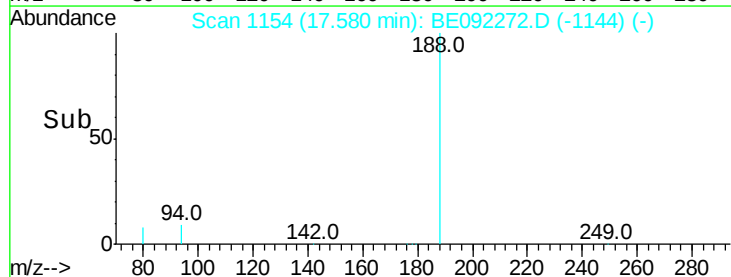
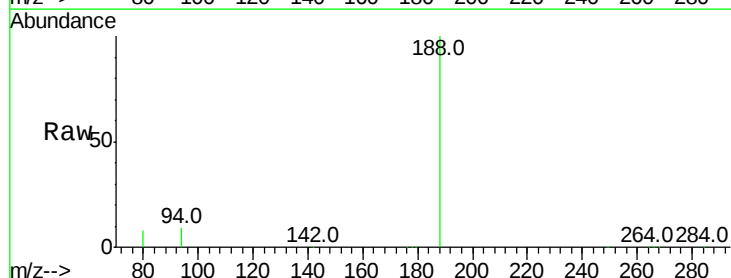
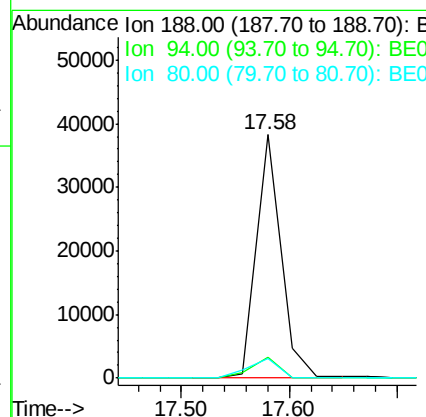
RT: 17.58 min Scan# 1154

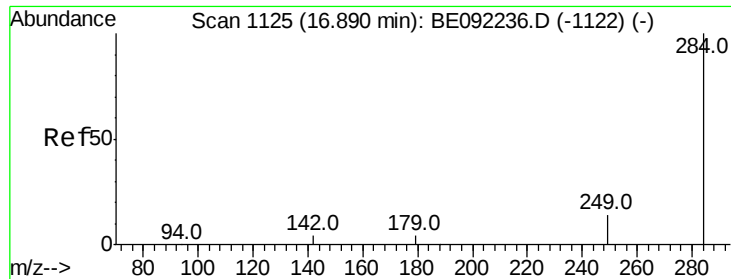
Delta R.T. 0.02 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	9.2	13.8#
80	8.2	9.1	13.7#





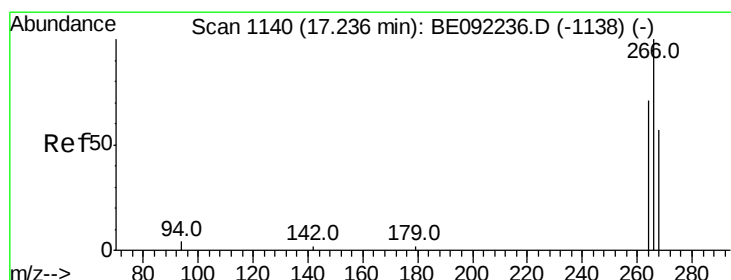
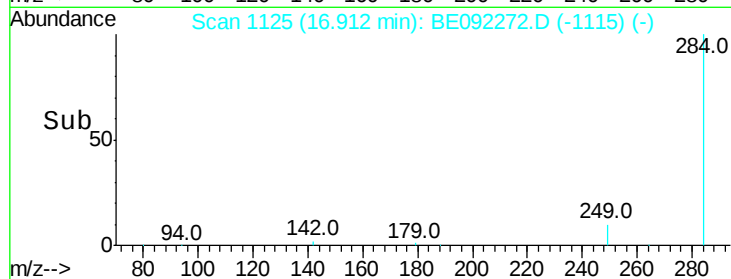
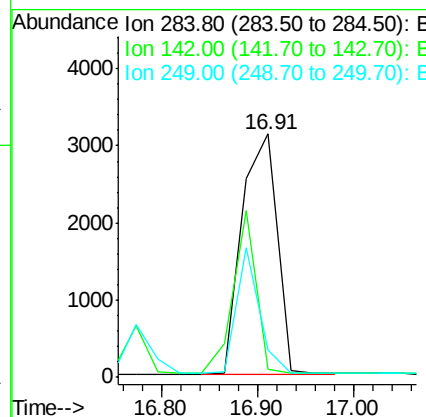
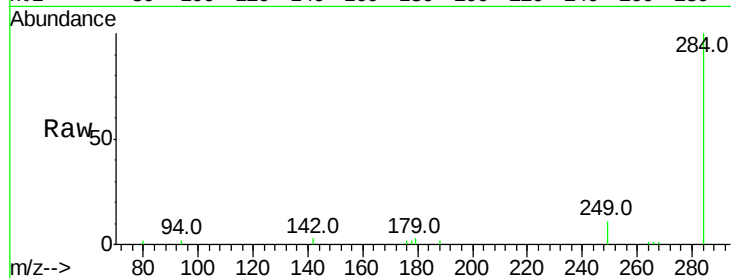
#19
Hexachlorobenzene
Concen: 3.29 ng/ml
RT: 16.91 min Scan# 1125
Delta R.T. 0.02 min
Lab File: BE092272.D
Acq: 19 Aug 2016 16:22

Instrument :
BNA_E
ClientSampleId :
PB92976BSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	7944		
142	0.0	0.0	0.0	0.0
249	0.0	0.0	0.0	0.0

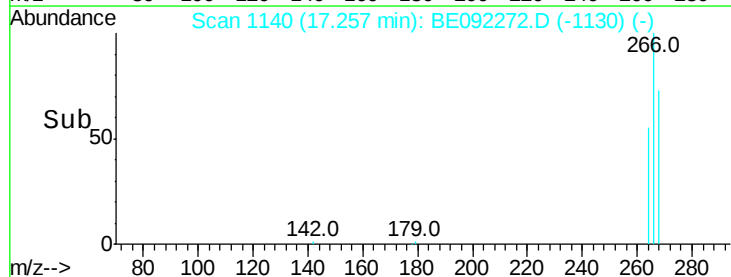
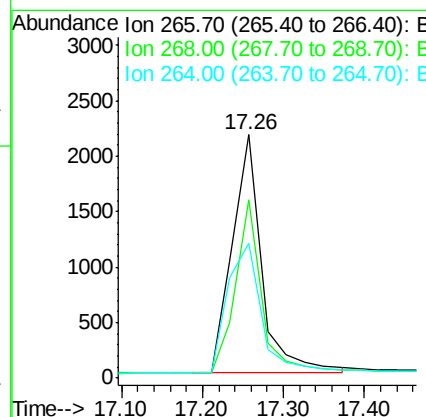
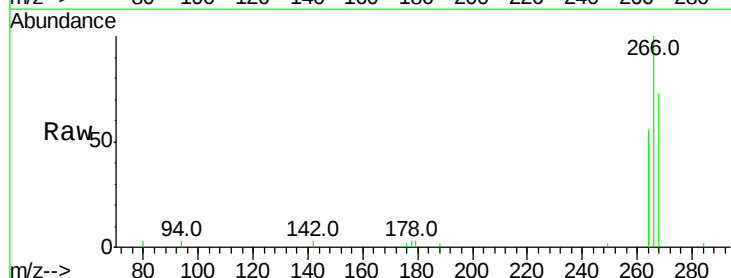
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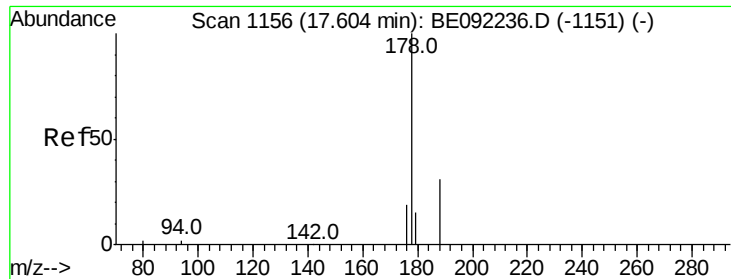
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#20
Pentachlorophenol
Concen: 7.22 ng/ml
RT: 17.26 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BE092272.D
Acq: 19 Aug 2016 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	5410		
268	73.3	62.3	93.5	
264	55.5	67.4	101.0	





#21

Phenanthrene

Concen: 3.10 ng

RT: 17.63 min Scan# 1156

Delta R.T. 0.02 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Instrument :

BNA_E

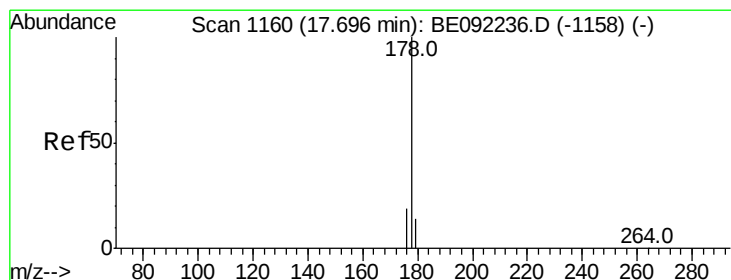
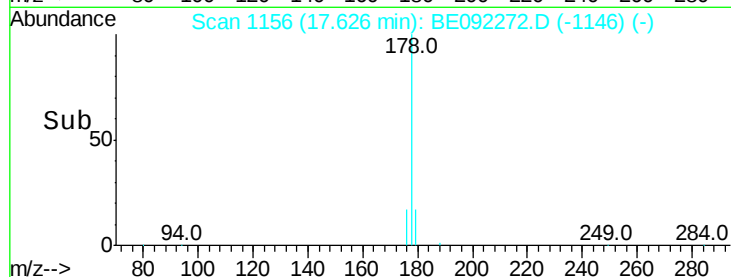
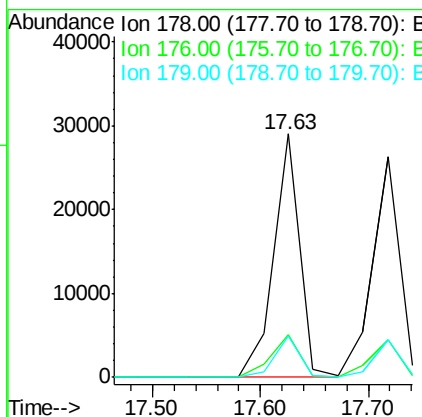
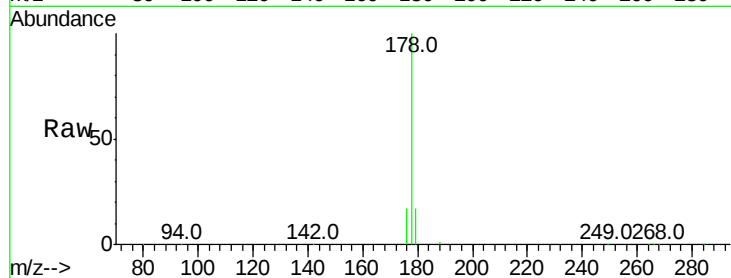
ClientSampleId :

PB92976BSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	16.0	12.9	19.3

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#22

Anthracene

Concen: 3.24 ng

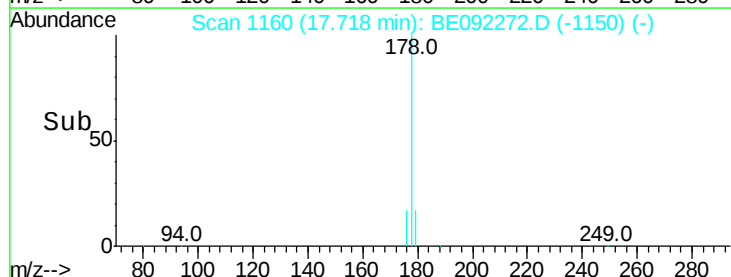
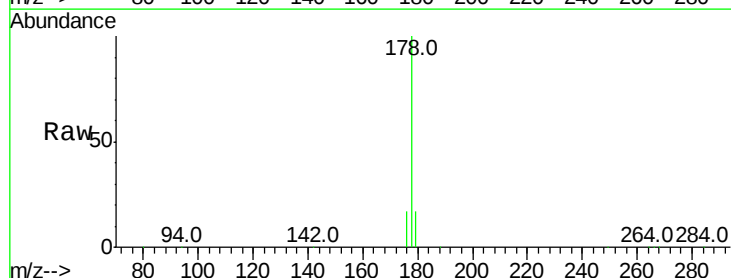
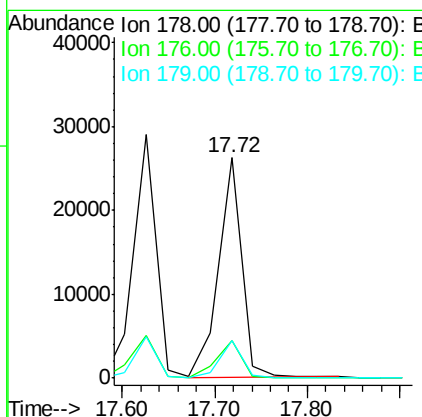
RT: 17.72 min Scan# 1160

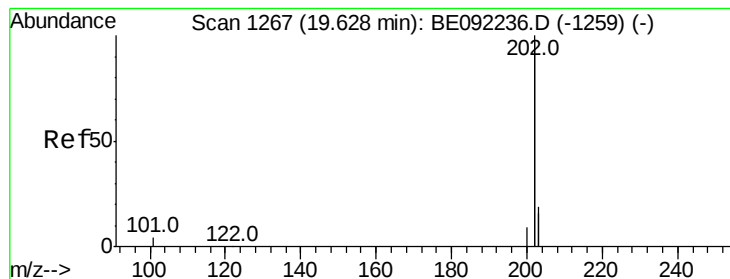
Delta R.T. 0.02 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.8	12.0	18.0





#23

Fluoranthene

Concen: 3.24 ng

RT: 19.61 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Instrument :

BNA_E

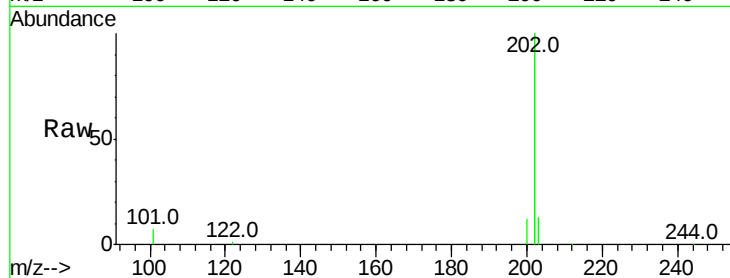
ClientSampleId :

PB92976BSD

Tot Ion:	202	Resp:	202046
Ion Ratio	Lower	Upper	
202	100		
101	2.9	2.2	3.4
203	17.5	13.7	20.5

Manual Integrations
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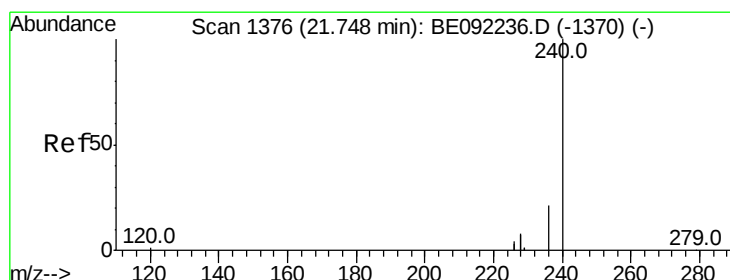
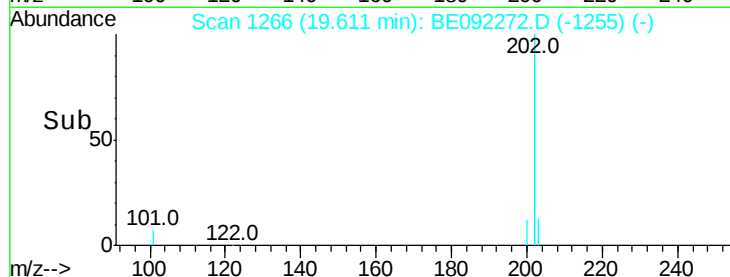
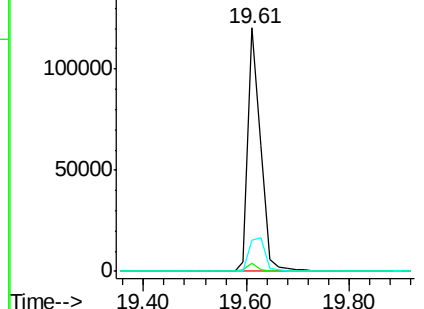
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092272.D

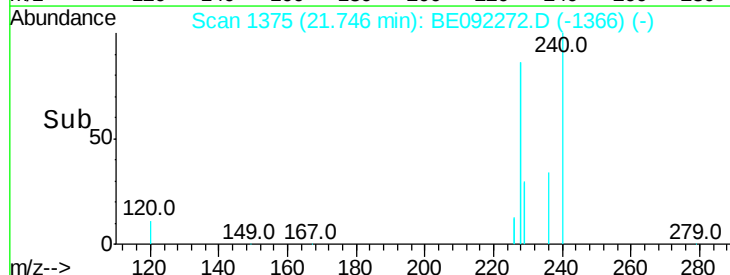
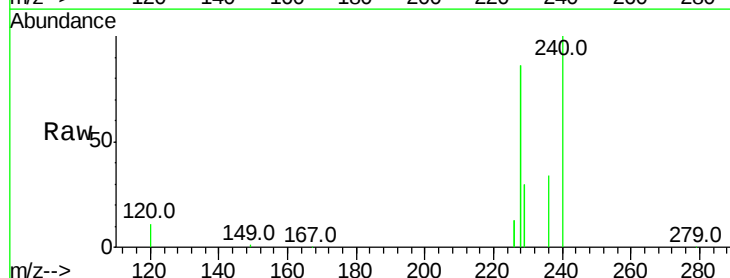
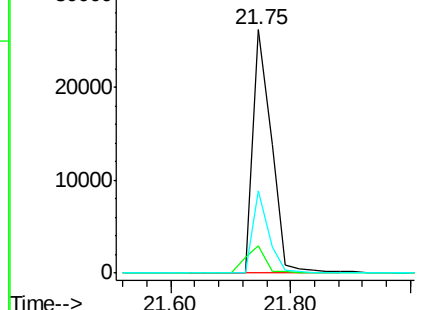
Acq: 19 Aug 2016 16:22

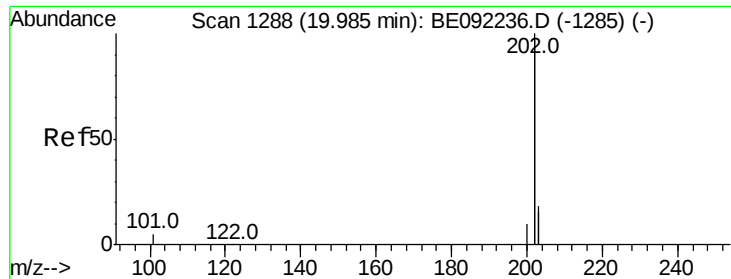
Tgt Ion:	240	Resp:	56521
Ion Ratio	Lower	Upper	
240	100		
120	11.4	1.2	1.8#
236	33.9	17.1	25.7#

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





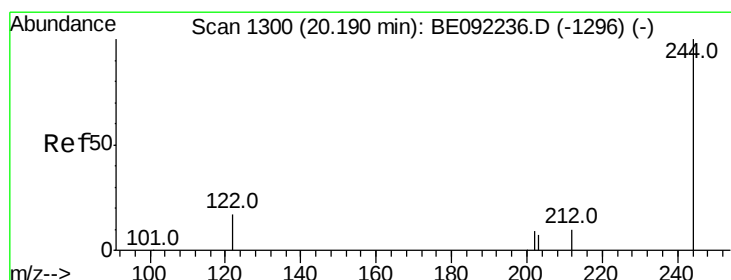
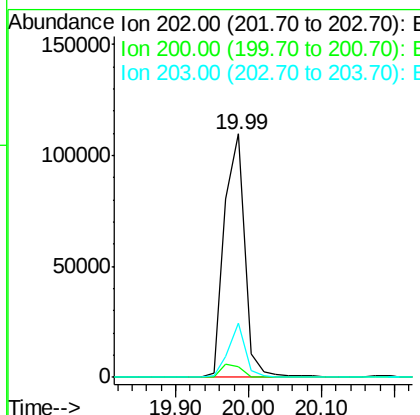
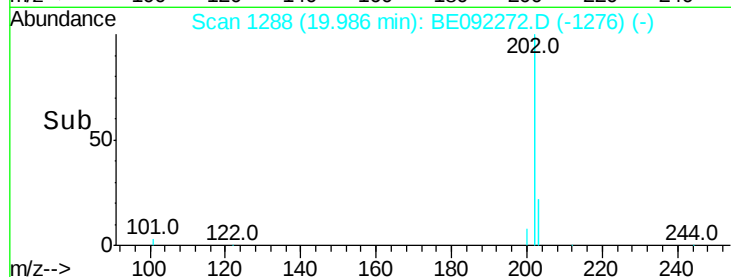
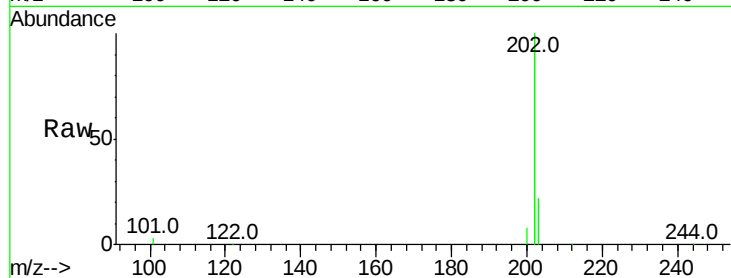
#25
Pvrene
Concen: 3.15 ng
RT: 19.99 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BE092272.D
Acq: 19 Aug 2016 16:22

Instrument :
BNA_E
ClientSampleId :
PB92976BSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	5.4	4.2	6.4
203	18.3	14.0	21.0

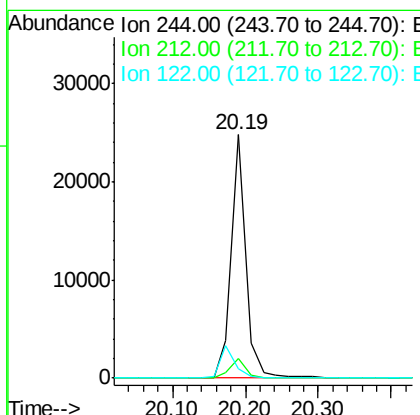
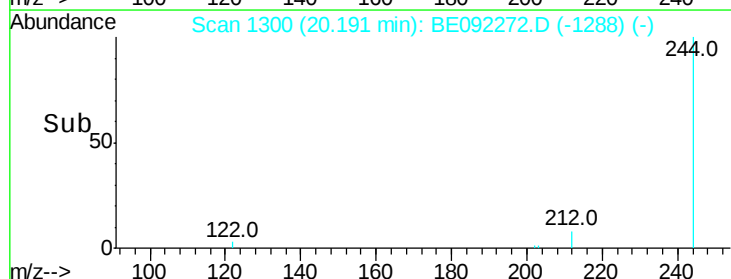
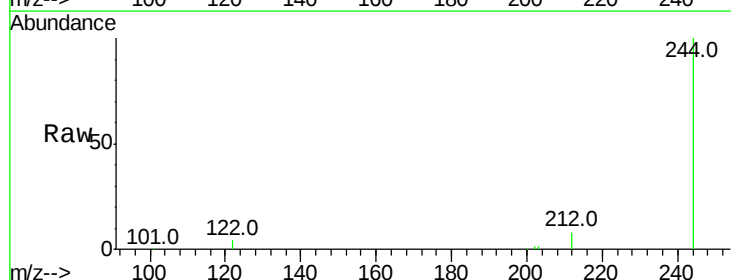
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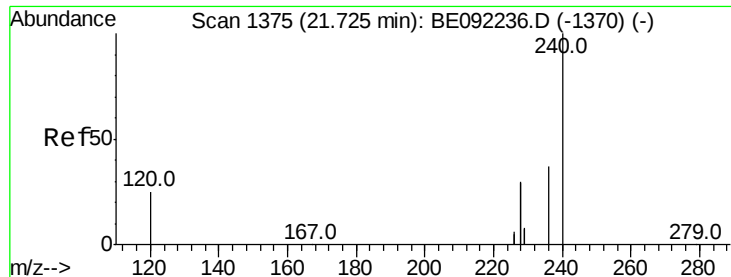
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#26
Terphenyl-d14
Concen: 3.55 ng
RT: 20.19 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BE092272.D
Acq: 19 Aug 2016 16:22

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.1	10.2	15.2#
122	3.8	15.9	23.9#





#27

Benzo(a)anthracene

Concen: 3.76 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Instrument :

BNA_E

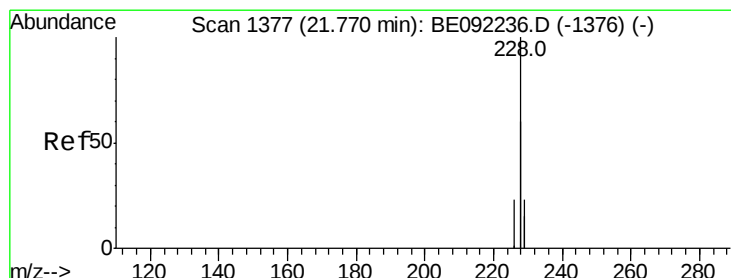
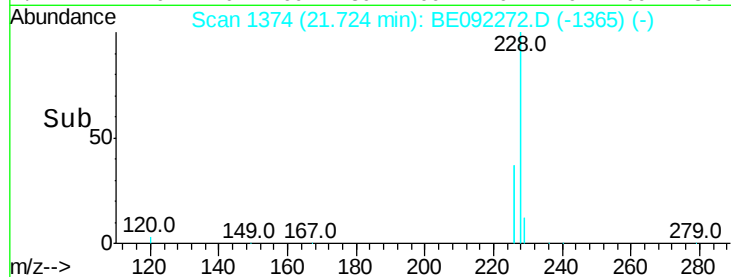
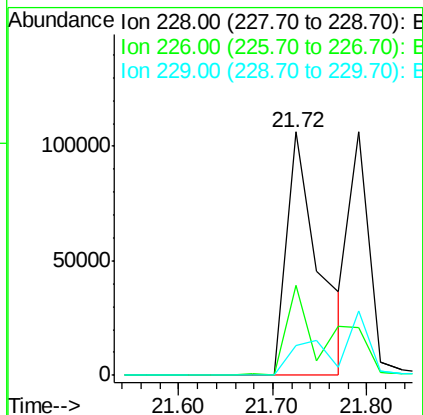
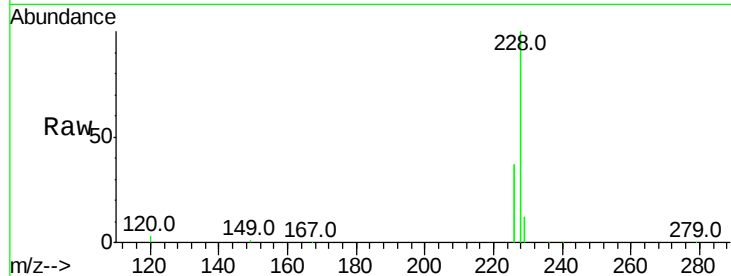
ClientSampleId :

PB92976BSD

Tot Ion	Ratio	Resp	Lower	Upper
228	100	254874		
226	37.2	15.9	23.9#	
229	12.4	22.4	33.6#	

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#28

Chrysene

Concen: 2.53 ng m

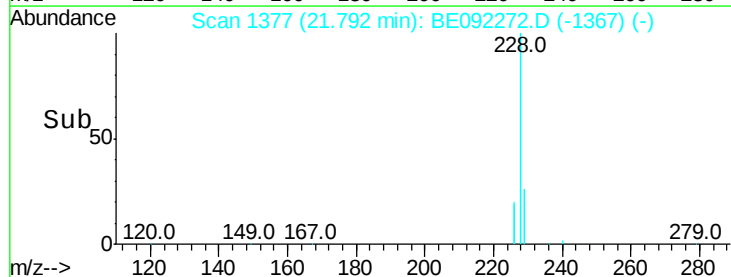
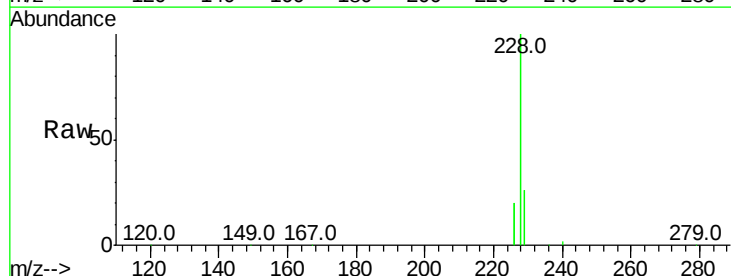
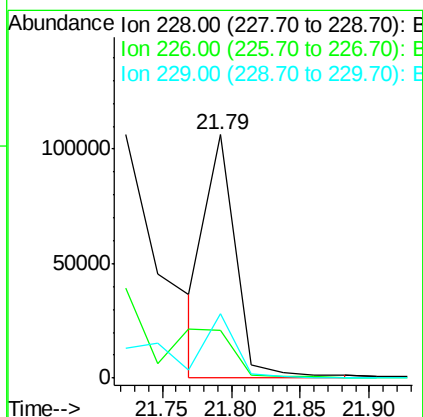
RT: 21.79 min Scan# 1377

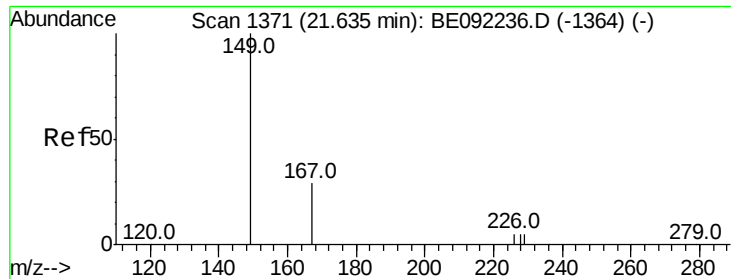
Delta R.T. 0.02 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	158421		
226	19.8	18.3	27.5	
229	26.4	18.6	27.8	





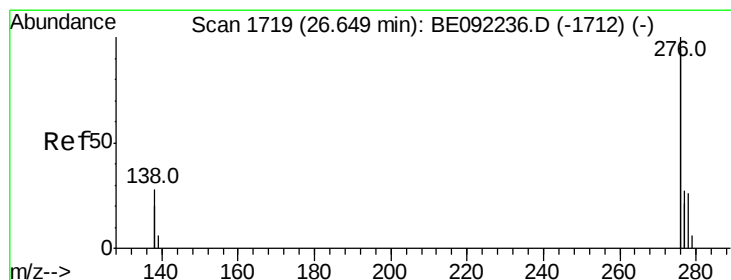
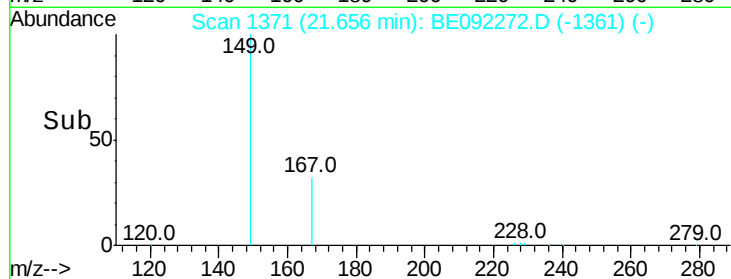
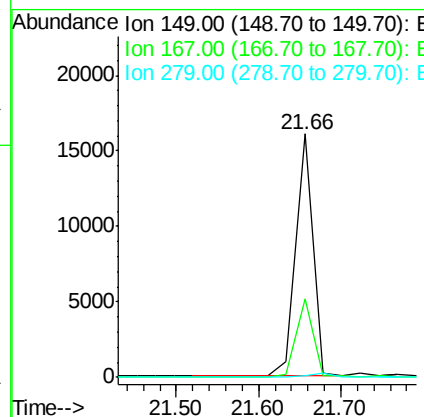
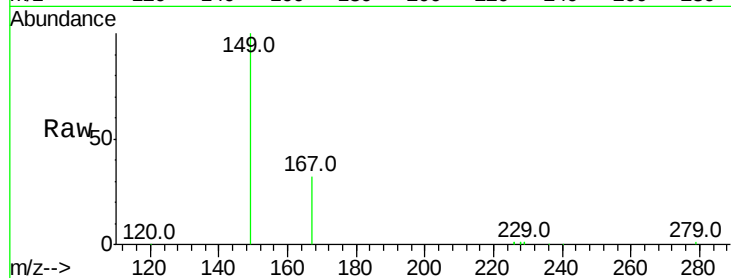
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 2.21 ng
 RT: 21.66 min Scan# 1371
 Delta R.T. 0.02 min
 Lab File: BE092272.D
 Acq: 19 Aug 2016 16:22

Instrument :
 BNA_E
 ClientSampleId :
 PB92976BSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	23383		
167	31.1	22.1	33.1	
279	0.0	0.0	0.0	

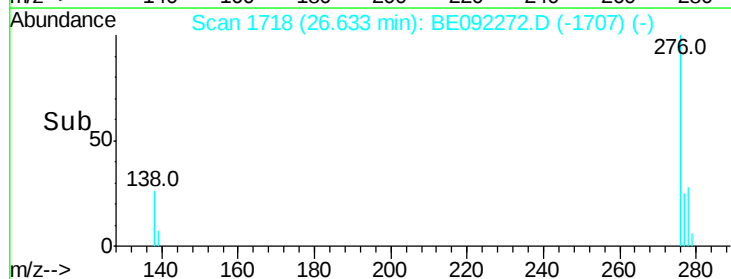
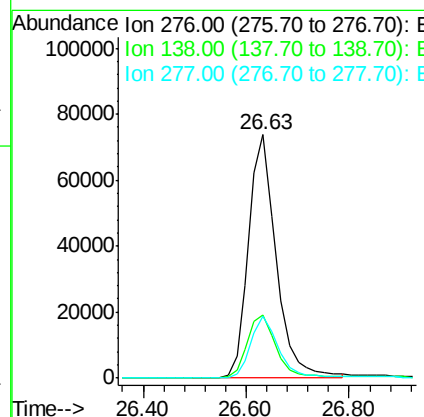
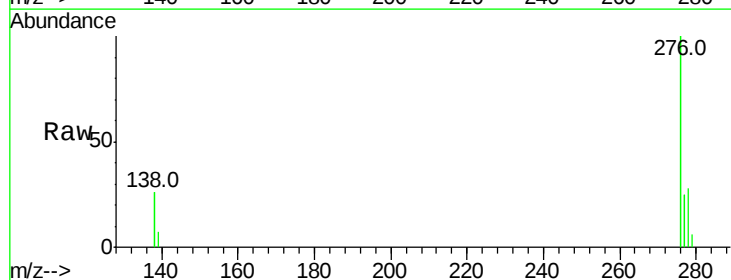
Manual Integrations
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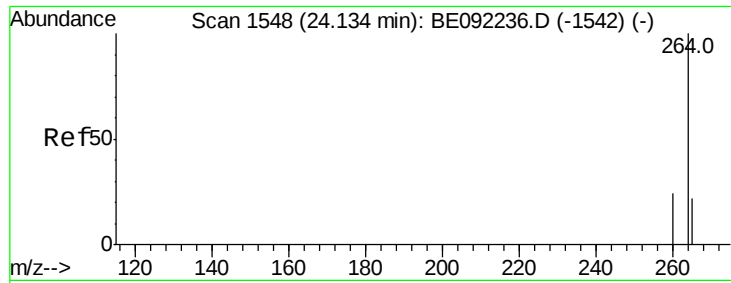
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#30
 Indeno(1,2,3-cd)pyrene
 Concen: 4.02 ng
 RT: 26.63 min Scan# 1718
 Delta R.T. -0.02 min
 Lab File: BE092272.D
 Acq: 19 Aug 2016 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	271404		
138	27.1	21.3	31.9	
277	24.9	19.7	29.5	





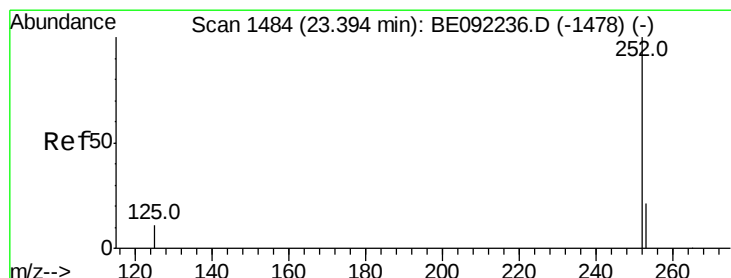
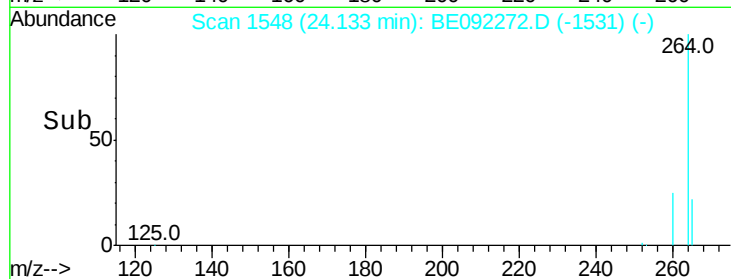
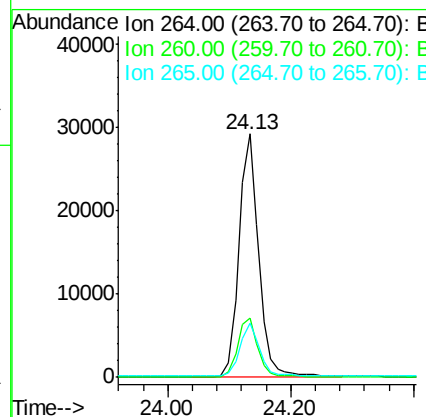
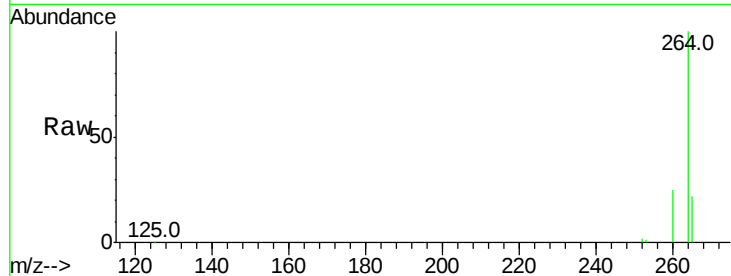
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.13 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BE092272.D
Acq: 19 Aug 2016 16:22

Instrument :
BNA_E
ClientSampleId :
PB92976BSD

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.6	19.5	29.3	
265	22.4	18.2	27.4	

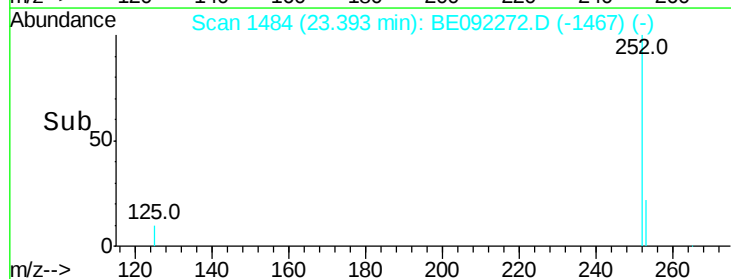
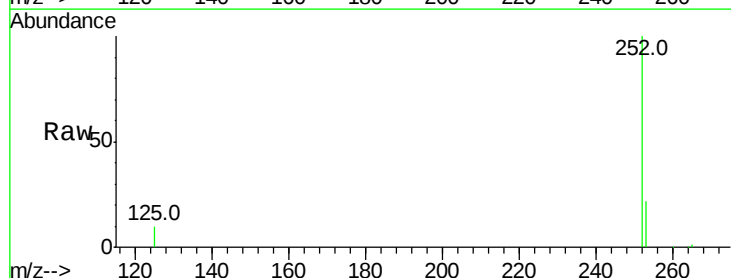
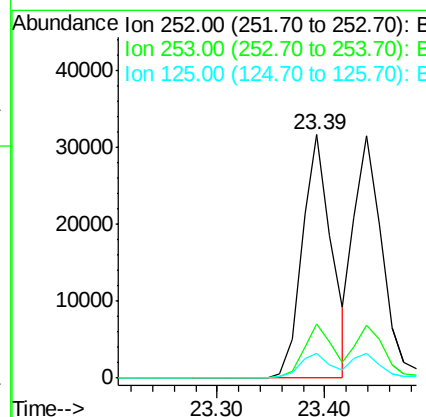
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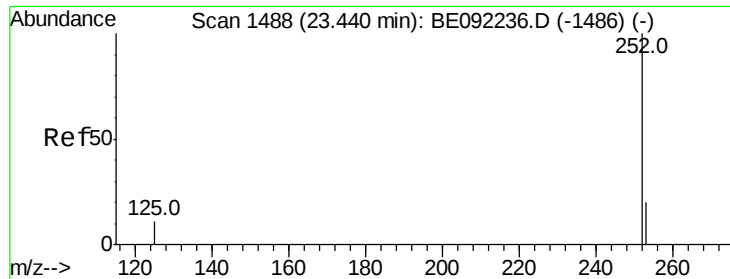
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#32
Benzo(b)fluoranthene
Concen: 3.48 ng
RT: 23.39 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE092272.D
Acq: 19 Aug 2016 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.2	19.0	28.4	
125	10.1	10.3	15.5	





#33

Benzo(k)fluoranthene

Concen: 3.33 ng

RT: 23.44 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Instrument :

BNA_E

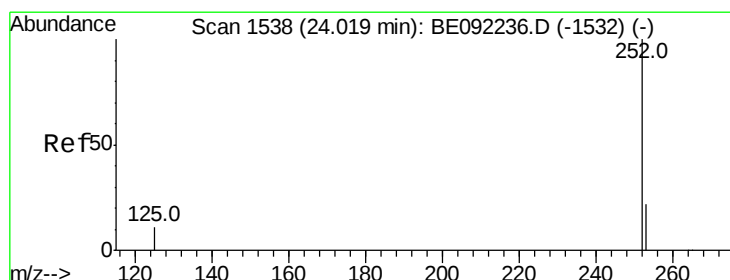
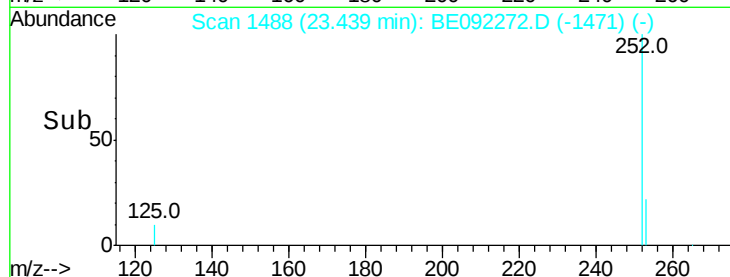
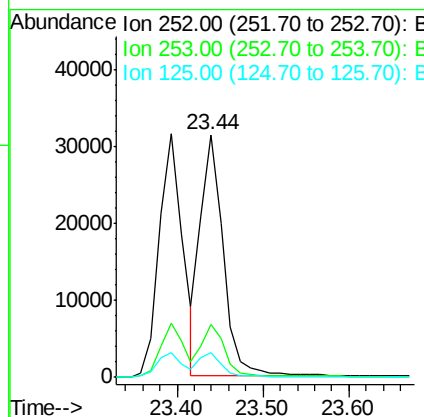
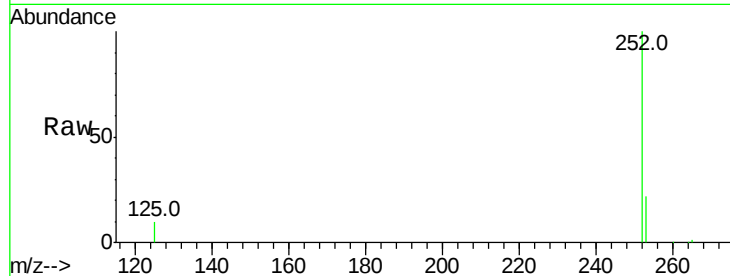
ClientSampleId :

PB92976BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.0	28.6
125	10.3	10.6	15.8

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#34

Benzo(a)pyrene

Concen: 3.53 ng

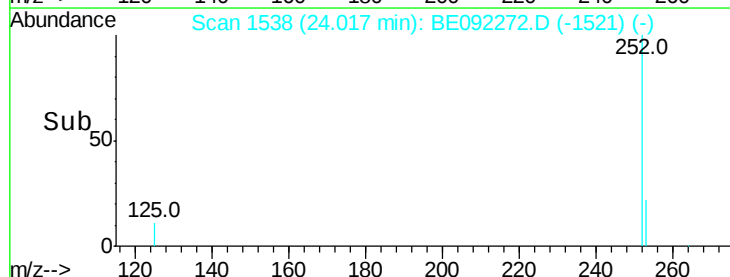
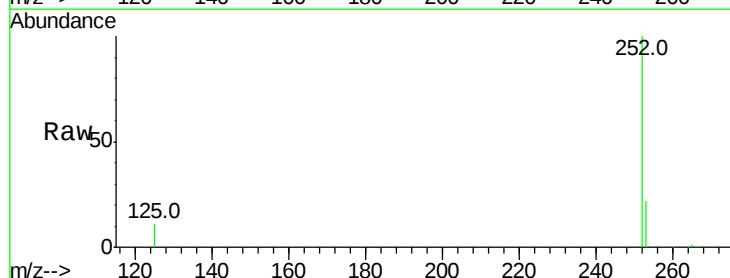
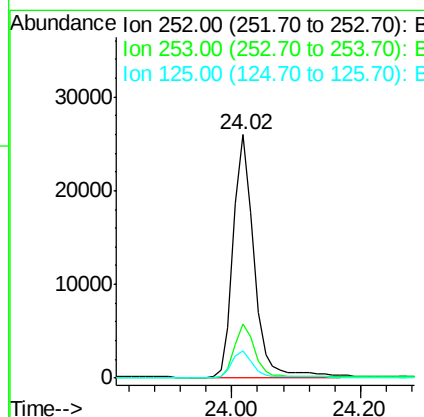
RT: 24.02 min Scan# 1538

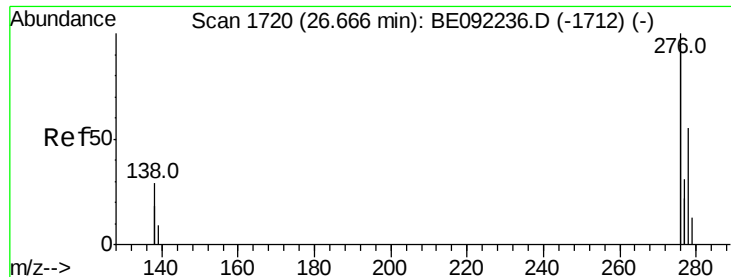
Delta R.T. -0.00 min

Lab File: BE092272.D

Acq: 19 Aug 2016 16:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	20.3	30.5
125	11.4	11.8	17.6





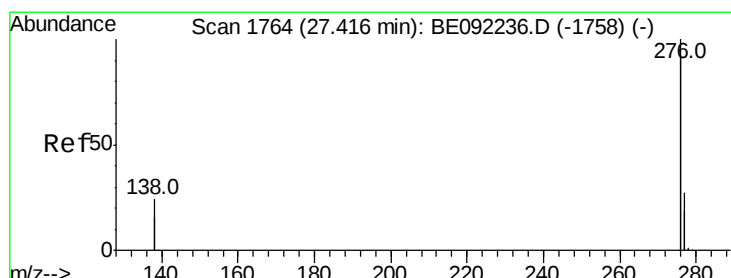
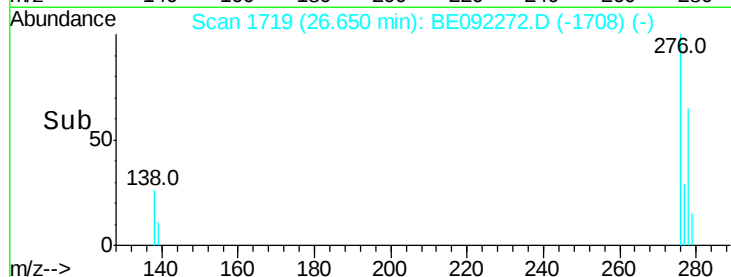
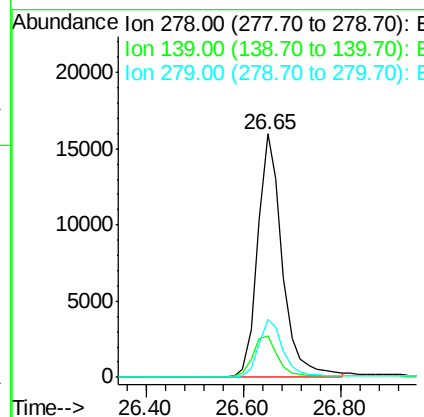
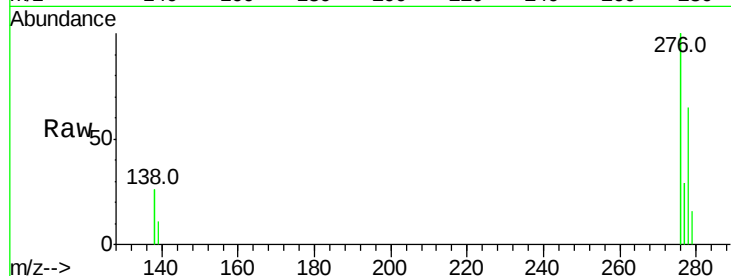
#35
Dibenzo(a,h)anthracene
Concen: 3.75 ng
RT: 26.65 min Scan# 1719
Delta R.T. -0.02 min
Lab File: BE092272.D
Acq: 19 Aug 2016 16:22

Instrument :
BNA_E
ClientSampleId :
PB92976BSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.8	16.2	24.2
279	23.8	21.4	32.2

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#36
Benzo(g,h,i)perylene
Concen: 3.64 ng
RT: 27.40 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BE092272.D
Acq: 19 Aug 2016 16:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	21.4	32.2
138	22.1	19.4	29.2

