

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112215\
 Data File : BE091287.D
 Acq On : 21 Nov 2015 21:43
 Operator : UM/NP
 Sample : G4345-23
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J68

Manual Integrations
 APPROVED

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 11/23/2015 2:14:34 PM

Quant Time: Nov 22 02:27:26 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 01:59:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2728	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.54	136	13597	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	8290	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.08	188	18976m	0.40	ng/ul	-0.01
18) Chrysene-d12	20.22	240	20976	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	16473m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.91	96	24054	12.26	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.05	152	5908	0.32	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	15060	0.28	ng/ul	0.00
Target Compounds						
					Ovalue	
5) Naphthalene	9.58	128	2929	0.09	ng/ul#	84
7) 2-Methylnaphthalene	11.12	142	706	0.03	ng/ul	95
10) Acenaphthene	13.42	153	3629	0.13	ng/ul	91
11) Fluorene	14.40	166	5665	0.16	ng/ul	89
13) Pentachlorophenol	15.85	266	217	0.12	ng/ul	93
14) Phenanthrene	16.11	178	287364m	1.31	ng/ul	
15) Anthracene	16.19	178	64540	0.32	ng/ul	98
17) Fluoranthene	18.09	202	259038	1.01	ng/ul	90
19) Pyrene	18.47	202	230866	0.97	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	20453m	0.38	ng/ul	
21) Chrysene	20.25	228	20538	0.33	ng/ul	98
23) Benzo(b)fluoranthene	21.55	252	15660	0.30	ng/ul	96
24) Benzo(k)fluoranthene	21.57	252	13627m	0.26	ng/ul	
25) Benzo(a)pyrene	22.01	252	17388	0.37	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.70	276	40147m	0.20	ng/ul	
28) Benzo(a,h,i)perylene	24.26	276	41010	0.20	ng/ul	100

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

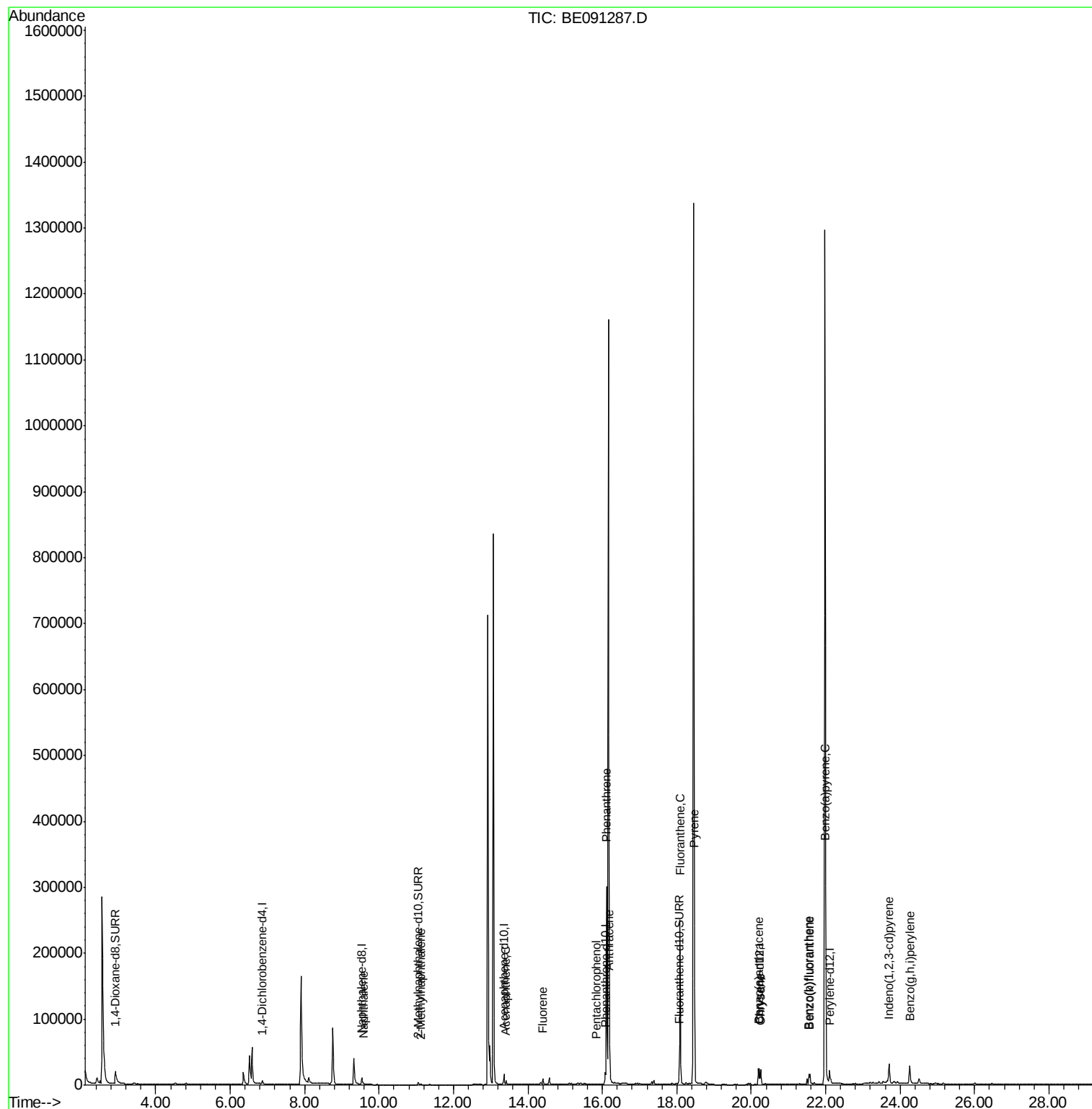
Data Path : Z:\HPCHEM1\BNA E\DATA\BE112215\
Data File : BE091287.D
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ALS Vial : 18 Sample Multiplier: 1

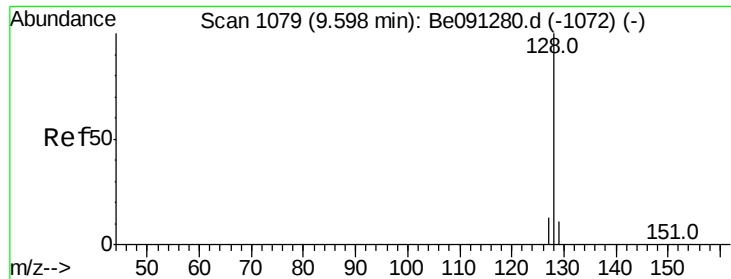
Instrument :
BNA_E
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 01:59:17 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.09 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Instrument :

BNA_E

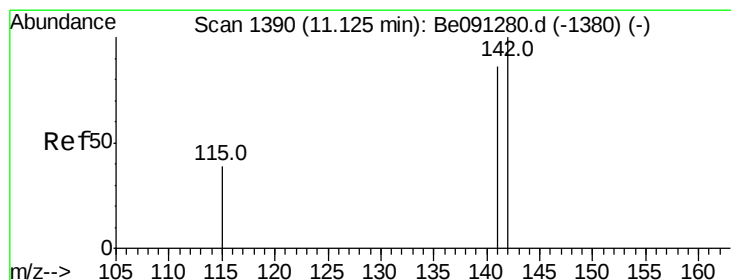
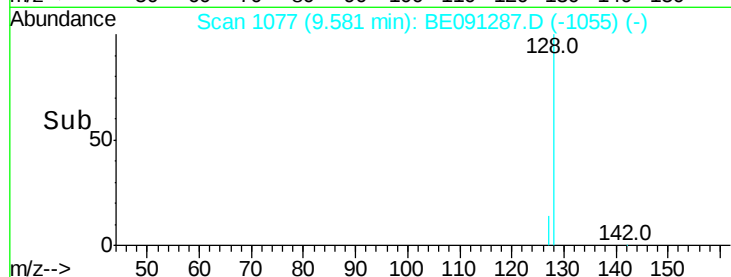
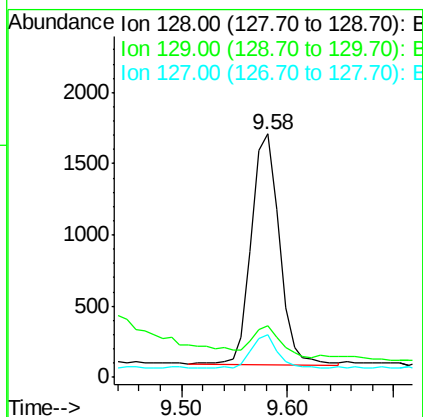
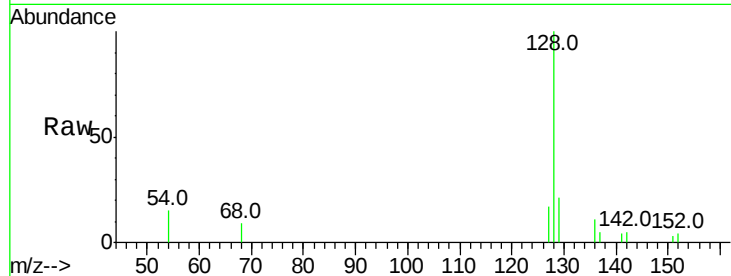
ClientSampleId :

A4J68

Tot Ion:	128	Resp:	2929
Ion Ratio	Lower	Upper	
128	100		
129	21.5	9.8	14.8#
127	17.4	10.7	16.1#

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#7

2-Methylnaphthalene

Concen: 0.03 ng/ul

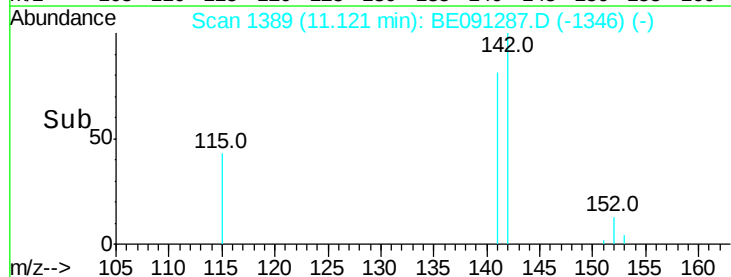
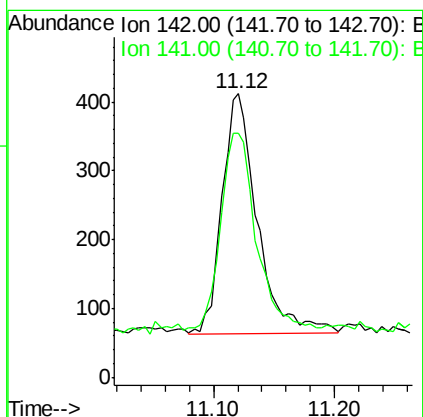
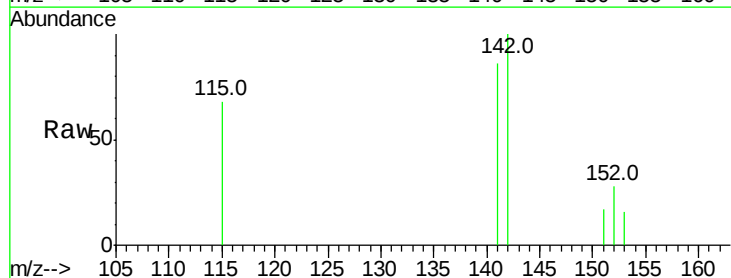
RT: 11.12 min Scan# 1389

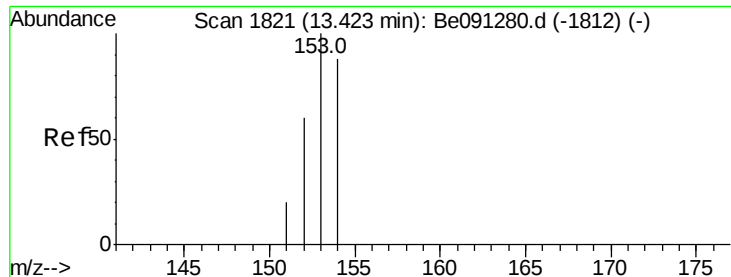
Delta R.T. -0.00 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Tgt Ion:	142	Resp:	706
Ion Ratio	Lower	Upper	
142	100		
141	82.9	70.3	105.5





#10

Acenaphthene

Concen: 0.13 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Instrument :

BNA_E

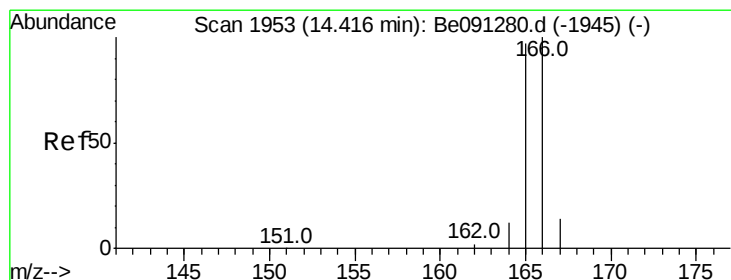
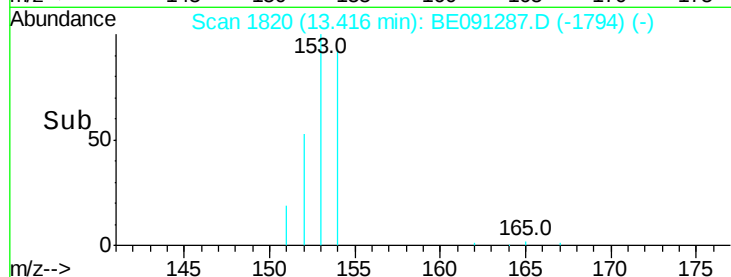
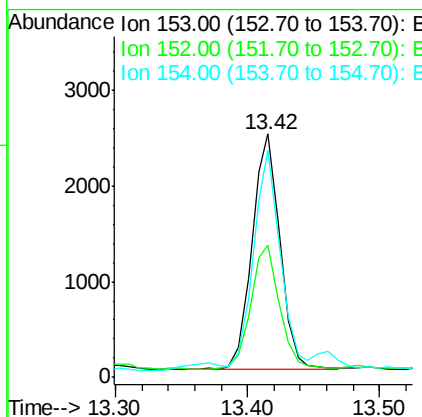
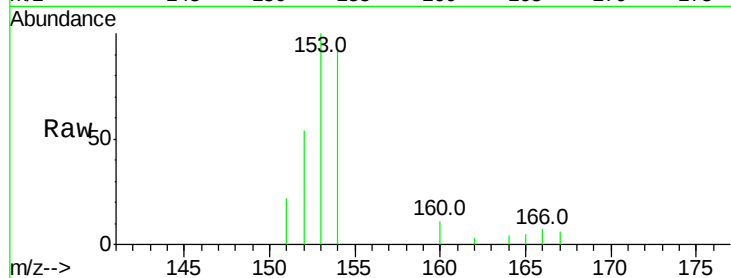
ClientSampleId :

A4J68

Tot Ion:	153	Resp:	3629
Ion	Ratio	Lower	Upper
153	100		
152	54.4	42.3	63.5
154	93.1	64.7	97.1

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#11

Fluorene

Concen: 0.16 ng/ul

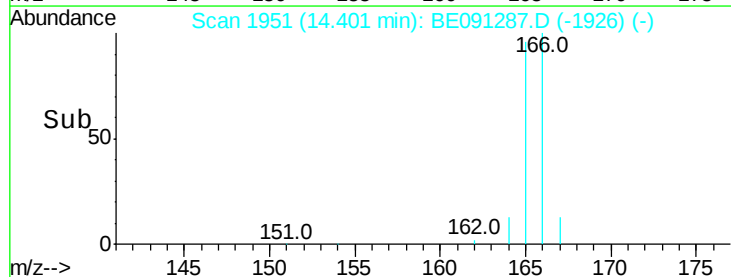
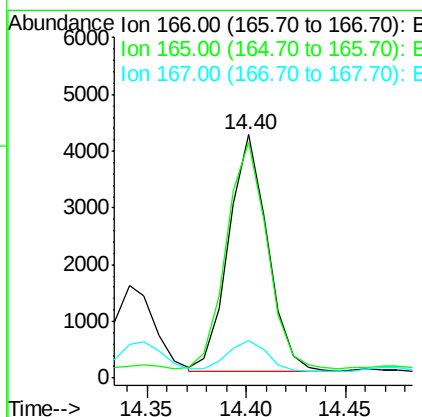
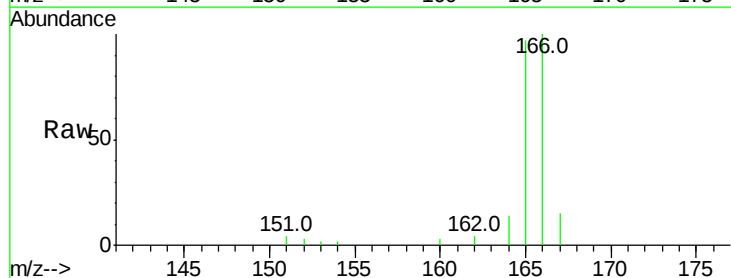
RT: 14.40 min Scan# 1951

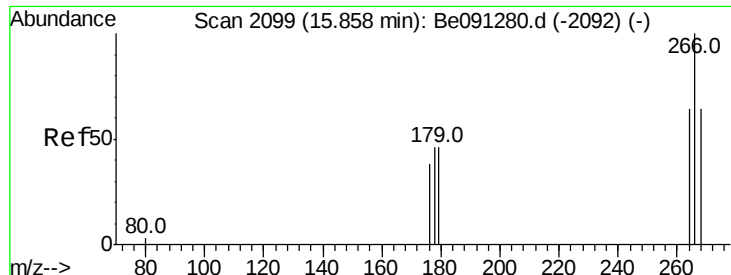
Delta R.T. -0.01 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Tgt Ion:	166	Resp:	5665
Ion	Ratio	Lower	Upper
166	100		
165	97.2	87.6	131.4
167	15.3	11.1	16.7





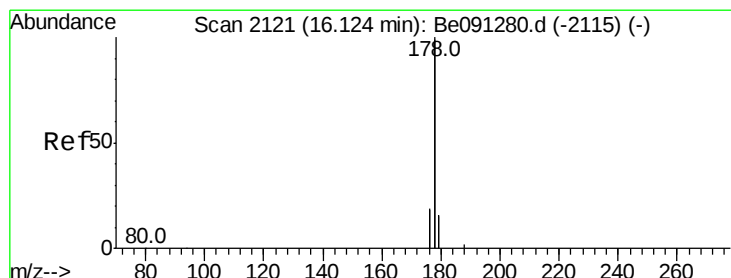
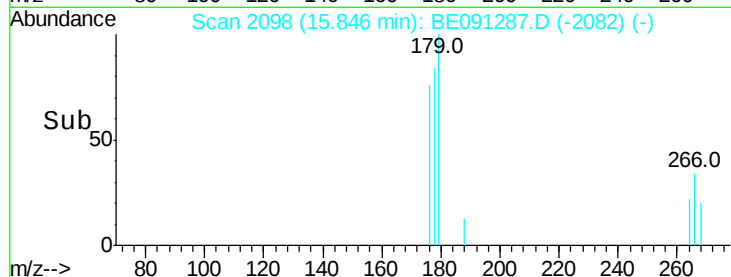
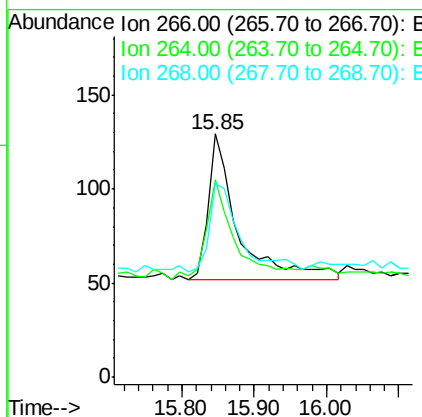
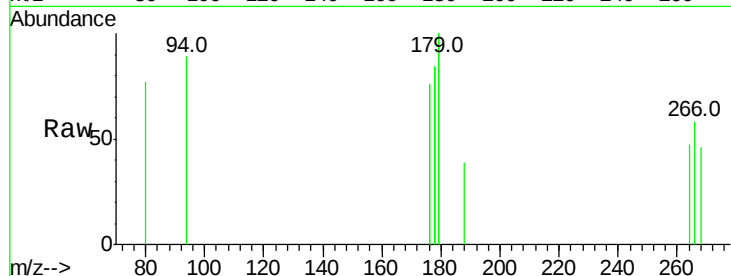
#13
 Pentachlorophenol
 Concen: 0.12 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091287.D
 Acq: 21 Nov 2015 21:43

Instrument :
 BNA_E
 ClientSampleId :
 A4J68

Tot Ion	Ratio	Lower	Upper
266	100		
264	69.6	53.5	80.3
268	59.0	54.2	81.2

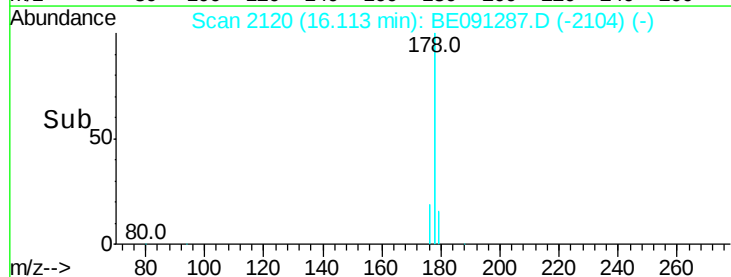
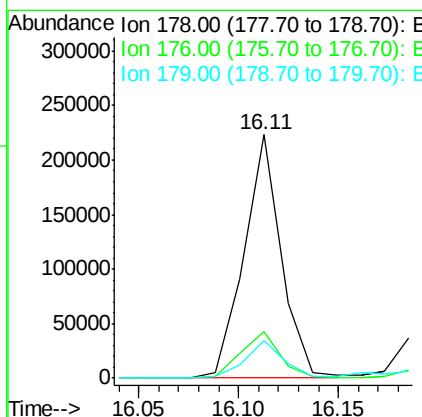
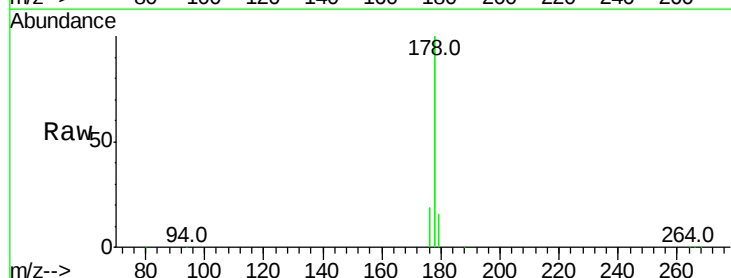
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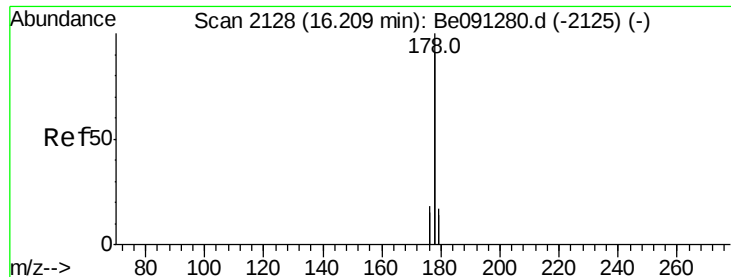
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#14
 Phenanthrene
 Concen: 1.31 ng/ul m
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091287.D
 Acq: 21 Nov 2015 21:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	15.5	12.8	19.2





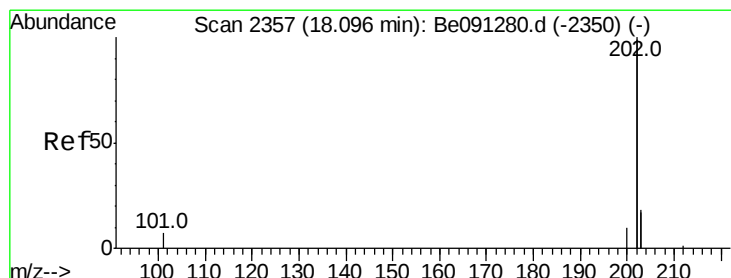
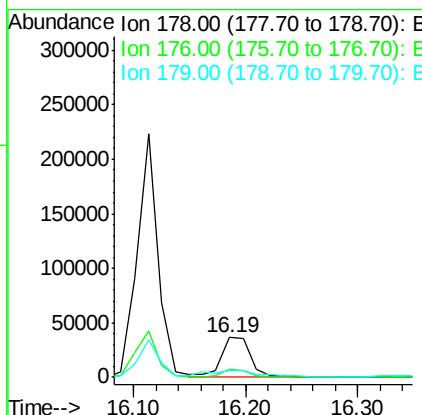
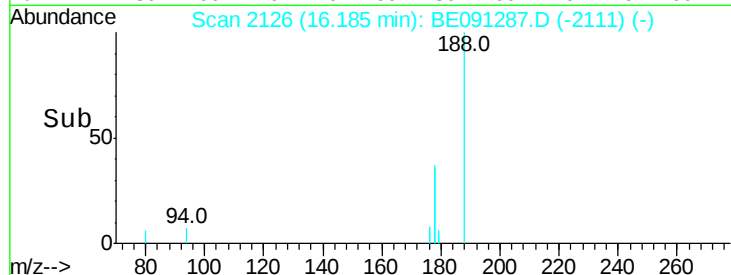
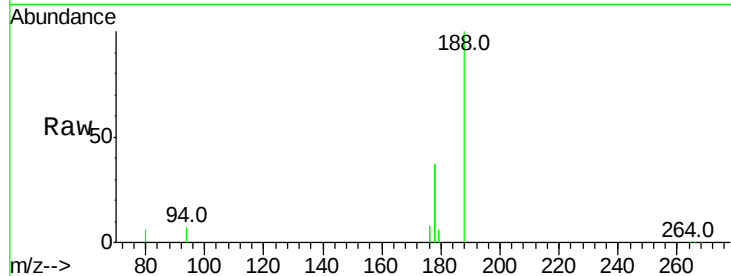
#15
 Anthracene
 Concen: 0.32 ng/ul
 RT: 16.19 min Scan# 2126
 Delta R.T. -0.02 min
 Lab File: BE091287.D
 Acq: 21 Nov 2015 21:43

Instrument :
 BNA_E
 ClientSampleId :
 A4J68

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.8	23.8
179	17.6	13.3	19.9

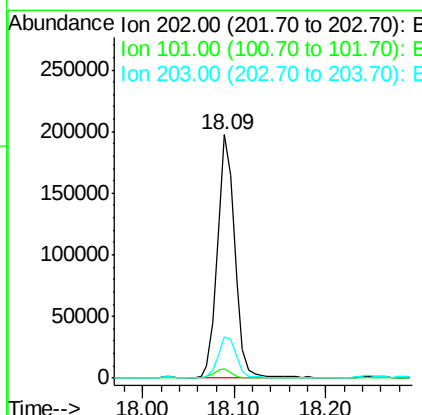
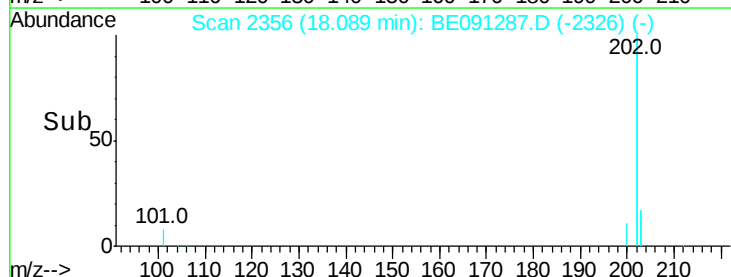
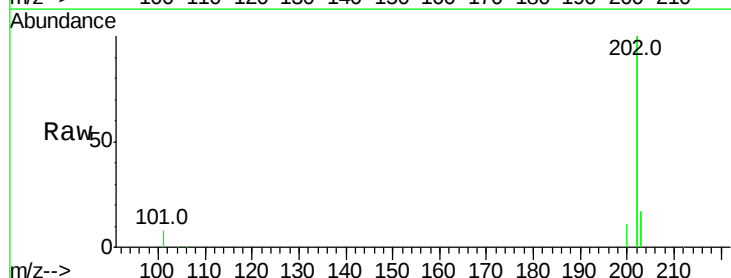
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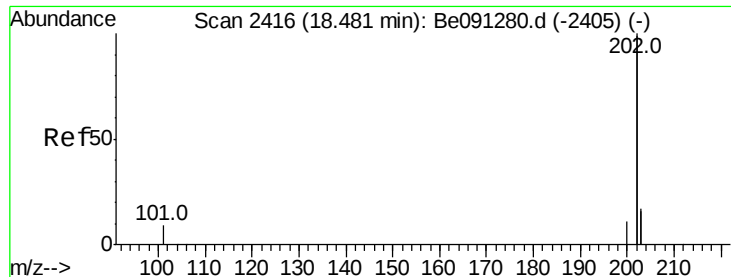
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#17
 Fluoranthene
 Concen: 1.01 ng/ul
 RT: 18.09 min Scan# 2356
 Delta R.T. -0.01 min
 Lab File: BE091287.D
 Acq: 21 Nov 2015 21:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.9	0.0	33.1
203	17.2	0.0	37.2





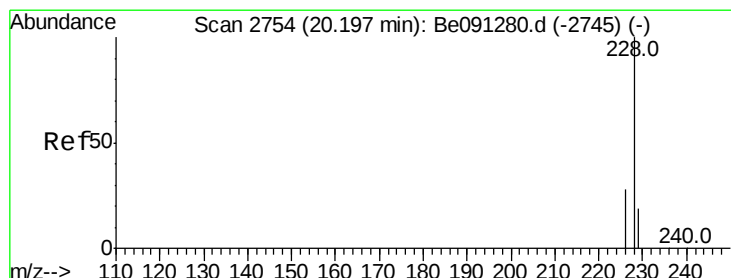
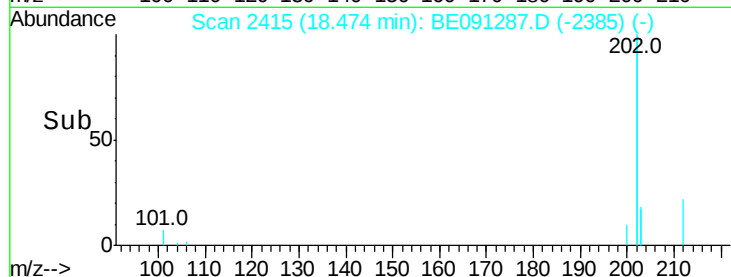
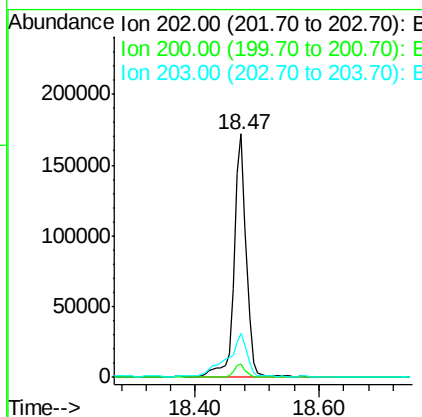
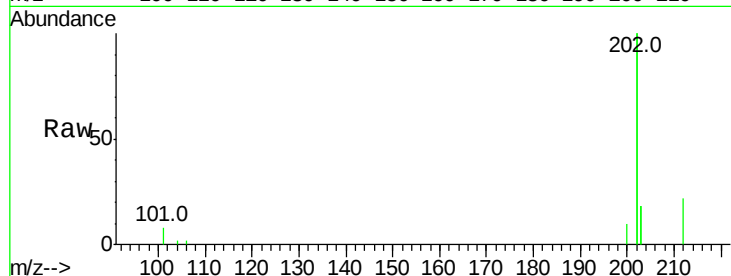
#19
Pvrene
Concen: 0.97 ng/ul
RT: 18.47 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BE091287.D
Acq: 21 Nov 2015 21:43

Instrument :
BNA_E
ClientSampleId :
A4J68

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	5.2	18.0	27.0#
203	18.2	13.8	20.6

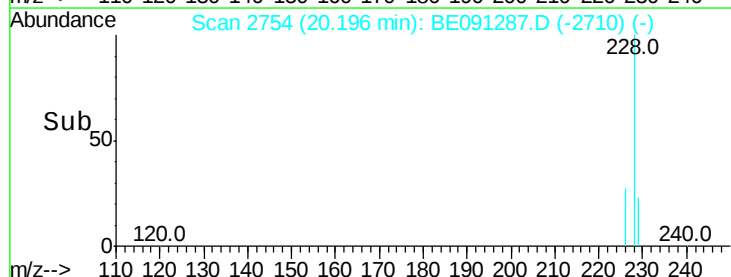
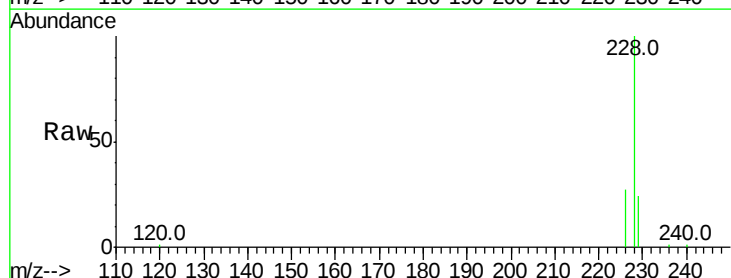
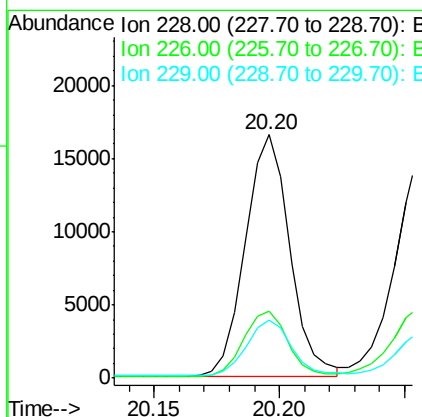
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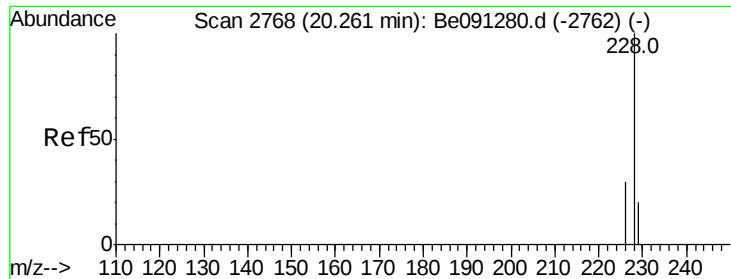
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#20
Benzo(a)anthracene
Concen: 0.38 ng/ul m
RT: 20.20 min Scan# 2754
Delta R.T. -0.00 min
Lab File: BE091287.D
Acq: 21 Nov 2015 21:43

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.3	23.0	34.4
229	23.8	15.2	22.8#





#21

Chrysene

Concen: 0.33 ng/ul

RT: 20.25 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Instrument :

BNA_E

ClientSampleId :

A4J68

Tot Ion:228 Resp: 20538

Ion Ratio Lower Upper

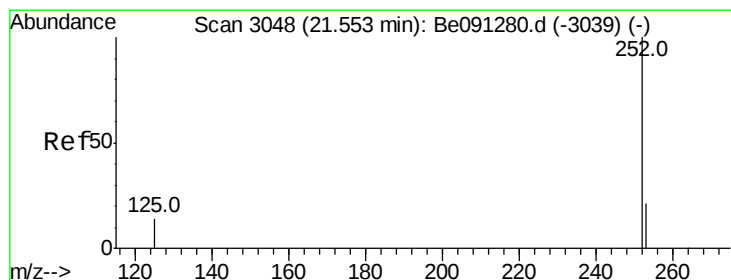
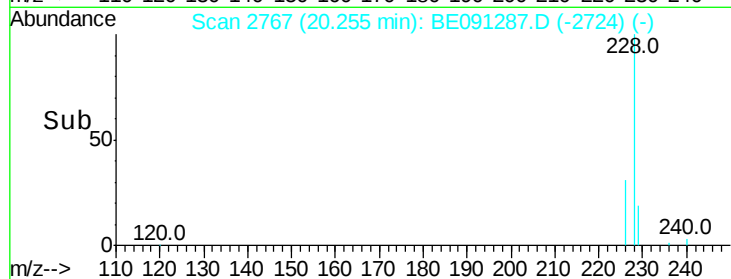
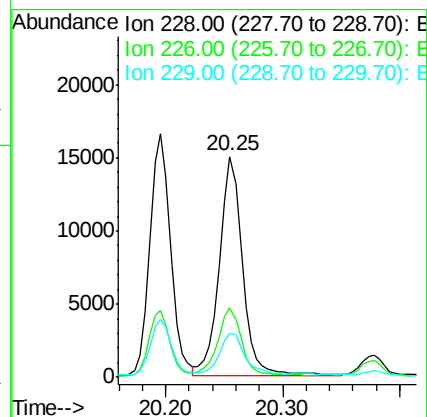
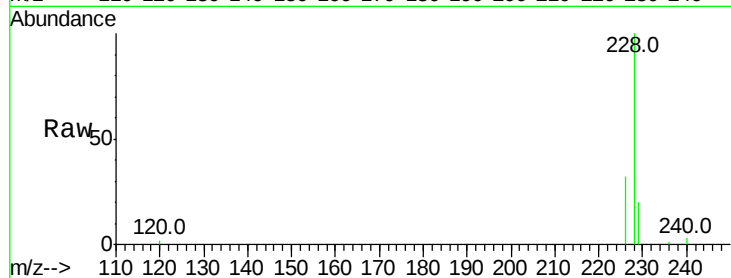
228 100

226 31.6 25.7 38.5

229 20.1 15.2 22.8

Manual Integrations
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#23

Benzo(b)fluoranthene

Concen: 0.30 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.00 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

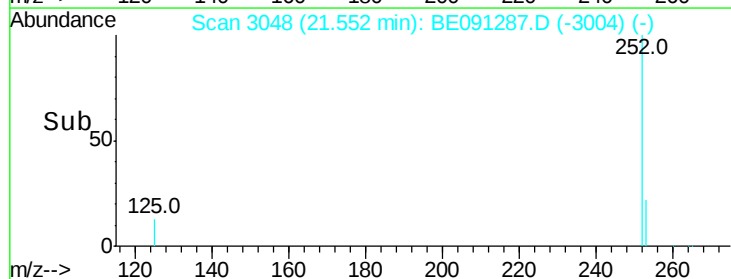
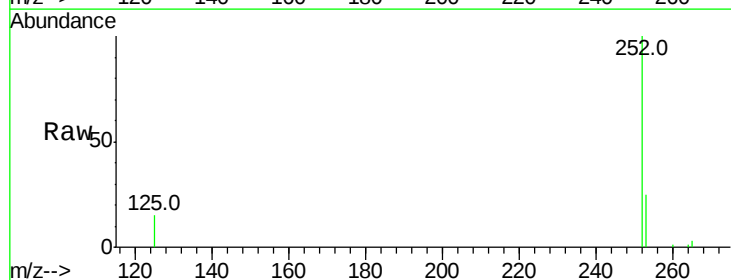
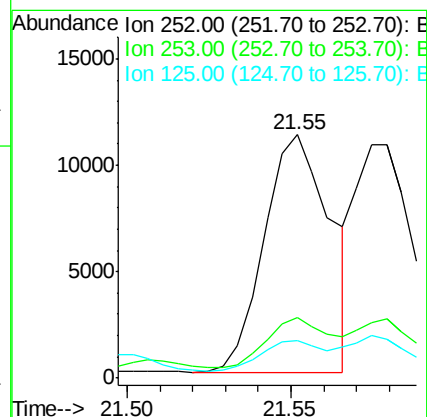
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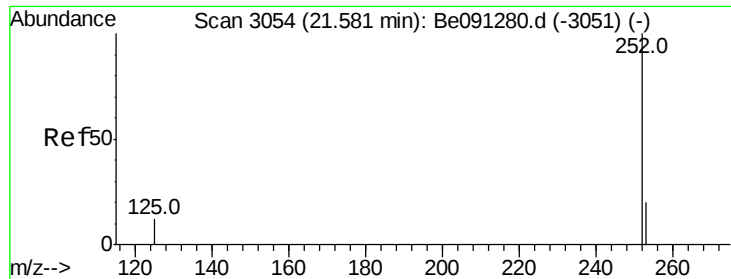
Ion Ratio Lower Upper

252 100

253 24.7 0.0 48.0

125 15.4 0.0 36.6





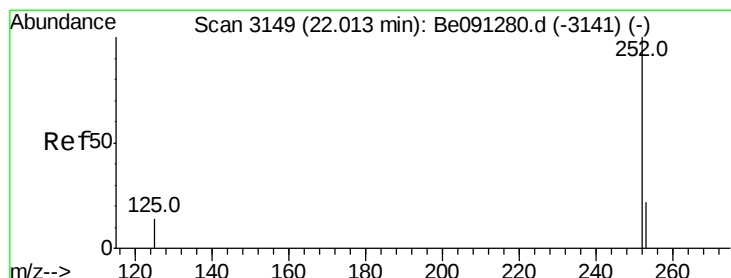
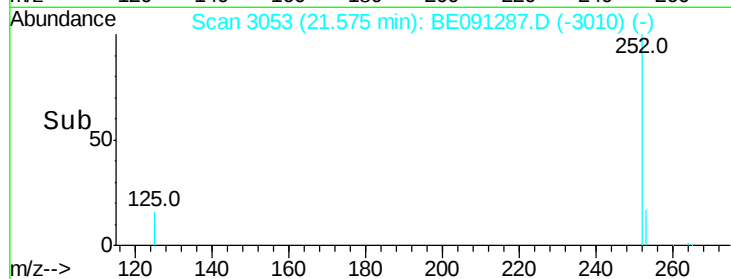
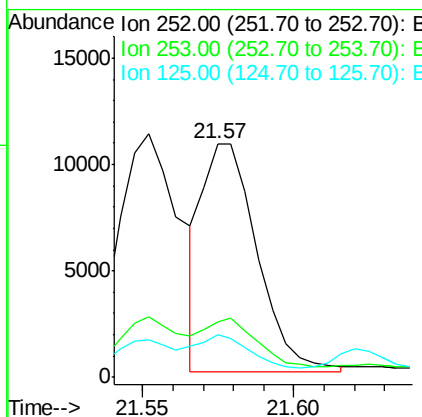
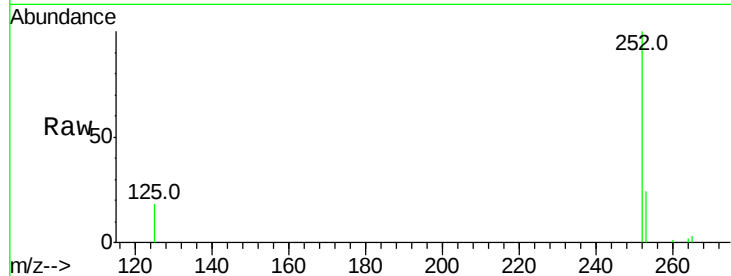
#24
Benzo(k)fluoranthene
Concen: 0.26 ng/ul m
RT: 21.57 min Scan# 3053
Delta R.T. -0.01 min
Lab File: BE091287.D
Acq: 21 Nov 2015 21:43

Instrument :
BNA_E
ClientSampleId :
A4J68

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	20.8	31.2
125	18.1	12.2	18.4

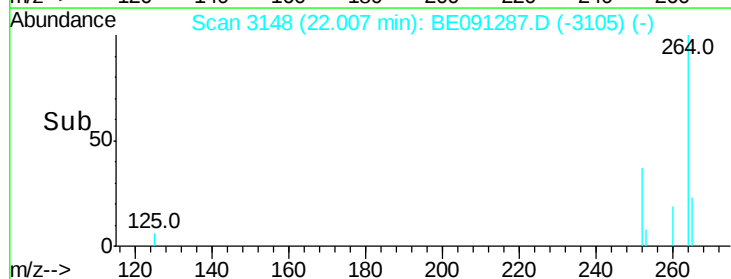
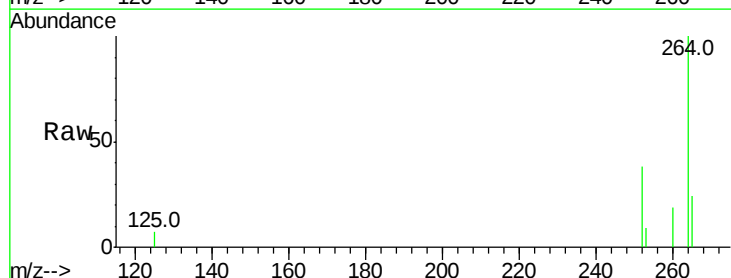
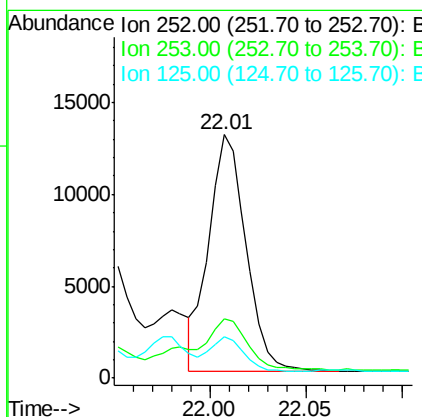
Manual Integrations
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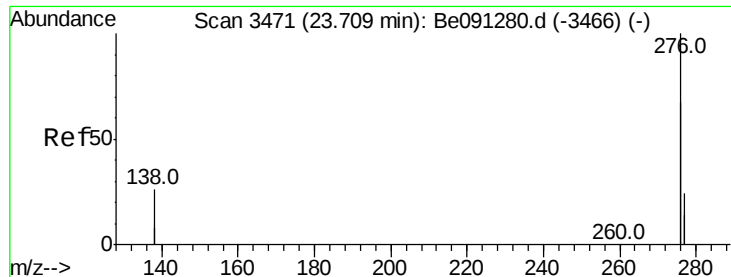
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#25
Benzo(a)pyrene
Concen: 0.37 ng/ul
RT: 22.01 min Scan# 3148
Delta R.T. -0.01 min
Lab File: BE091287.D
Acq: 21 Nov 2015 21:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	21.8	32.8
125	17.3	14.5	21.7





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.20 ng/ul m

RT: 23.70 min Scan# 3471

Delta R.T. -0.01 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Instrument :

BNA_E

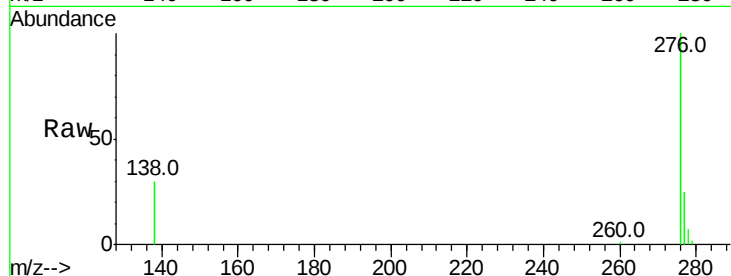
ClientSampleId :

A4J68

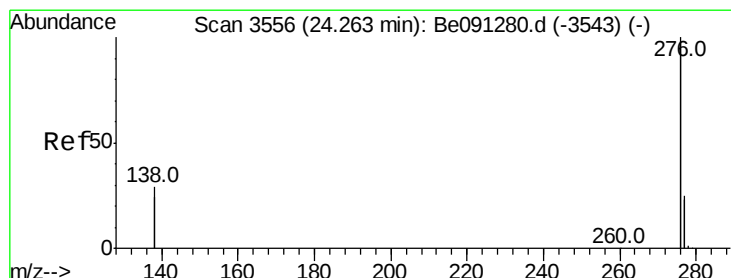
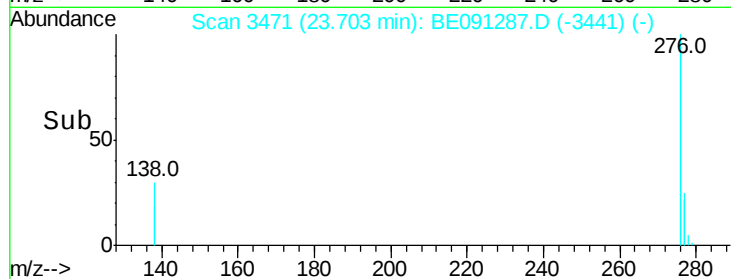
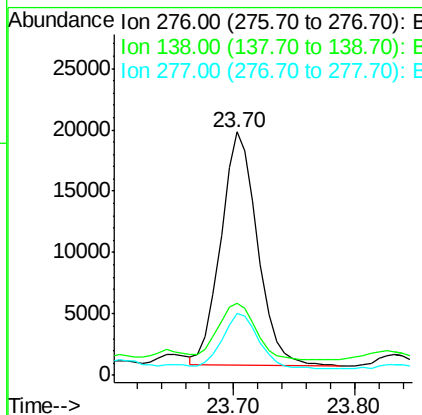
Manual Integrations
APPROVED

Mmdadoda

11/23/2015 2:14:34 PM



Tot Ion:	276	Resp:	40147
Ion Ratio	Lower	Upper	
276	100		
138	4.6	27.5	41.3#
277	4.4	19.3	28.9#



#28

Benzo(g,h,i)perylene

Concen: 0.20 ng/ul

RT: 24.26 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091287.D

Acq: 21 Nov 2015 21:43

Tgt Ion:	276	Resp:	41010
Ion Ratio	Lower	Upper	
276	100		
277	26.3	21.3	31.9
138	31.8	25.5	38.3

