

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112215\
 Data File : BE091290.D
 Acq On : 21 Nov 2015 23:31
 Operator : UM/NP
 Sample : G4345-27MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J69MSD

Manual Integrations
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 11/23/2015 2:14:39 PM

Quant Time: Nov 23 10:37:45 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	6.89	152	2568	0.40	ng/ul	0.00
4) Naphthalene-d8	9.56	136	12515	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	6873	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	16880	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	19314	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	17602	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
6) 2-Methylnaphthalene-d10	11.06	152	6074	0.36	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	17294	0.36	ng/ul	0.00
Target Compounds						
					Ovalue	
10) Acenaphthene	13.42	153	924	0.04	ng/ul#	87
11) Fluorene	14.41	166	1460	0.05	ng/ul#	90
13) Pentachlorophenol	15.85	266	833	0.52	ng/ul	97
14) Phenanthrene	16.12	178	75073	0.39	ng/ul	97
15) Anthracene	16.20	178	14215m	0.08	ng/ul	
17) Fluoranthene	18.10	202	72554	0.32	ng/ul	88
19) Pyrene	18.48	202	55504	0.25	ng/ul#	77
20) Benzo(a)anthracene	20.20	228	5572	0.11	ng/ul	97
21) Chrysene	20.26	228	6120	0.11	ng/ul	96
23) Benzo(b)fluoranthene	21.55	252	3852	0.07	ng/ul	91
24) Benzo(k)fluoranthene	21.58	252	4174	0.07	ng/ul#	90
26) Indeno(1,2,3-cd)pyrene	23.70	276	10092	0.05	ng/ul	95
28) Benzo(g,h,i)perylene	24.26	276	11766	0.05	ng/ul#	90

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

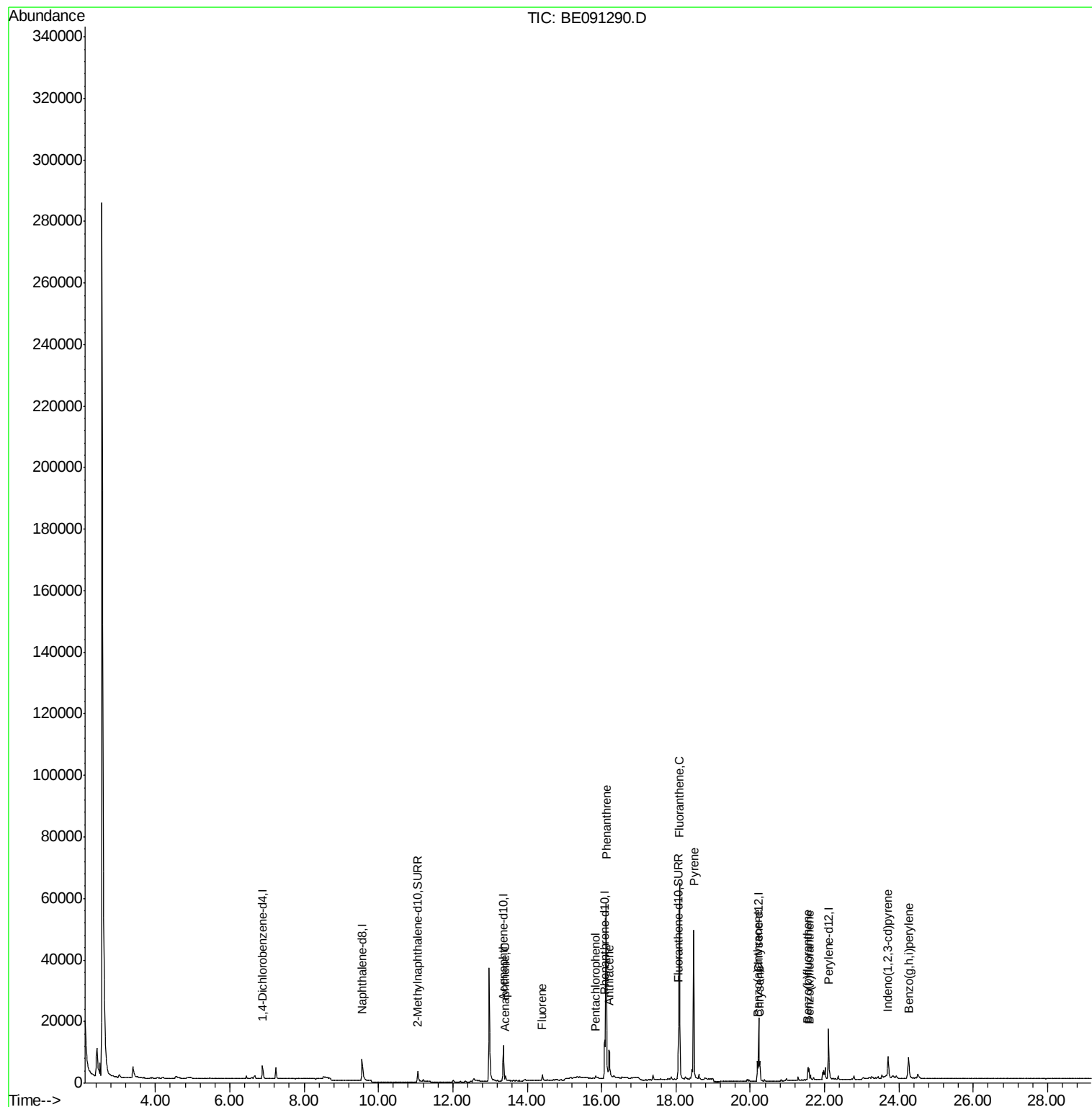
Data Path : Z:\HPCHEM1\BNA E\DATA\BE112215\
Data File : BE091290.D
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Operator : UM/NP
Sample : G4345-27MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

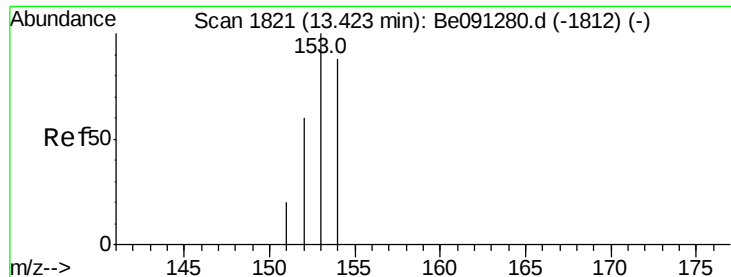
Instrument :
BNA_E
ClientSampleId :
A4J69MSD

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Quant Time: Nov 23 10:37:45 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





#10

Acenaphthene

Concen: 0.04 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

Instrument :

BNA_E

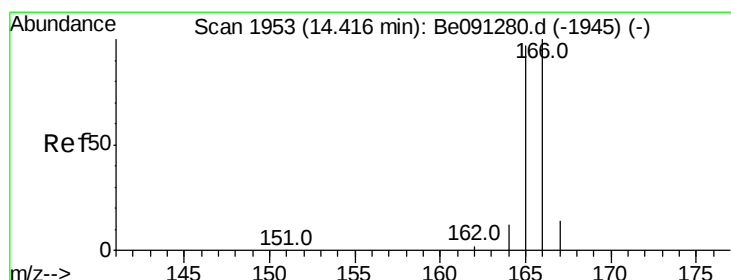
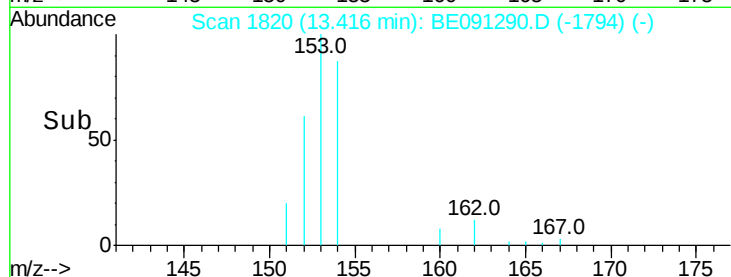
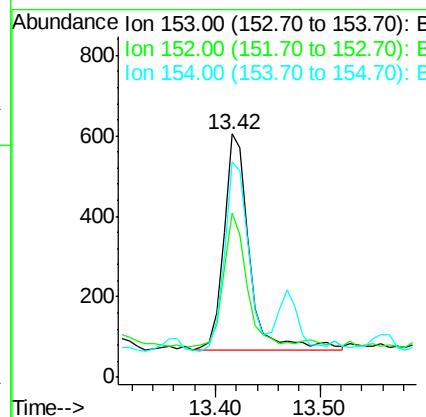
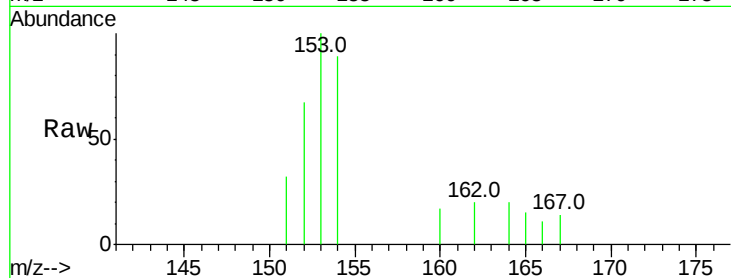
ClientSampleId :

A4J69MSD

Tot Ion:	153	Resp:	924
Ion	Ratio	Lower	Upper
153	100		
152	67.4	42.3	63.5#
154	88.6	64.7	97.1

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#11

Fluorene

Concen: 0.05 ng/ul

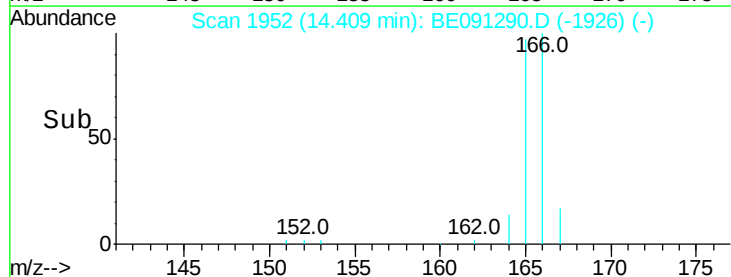
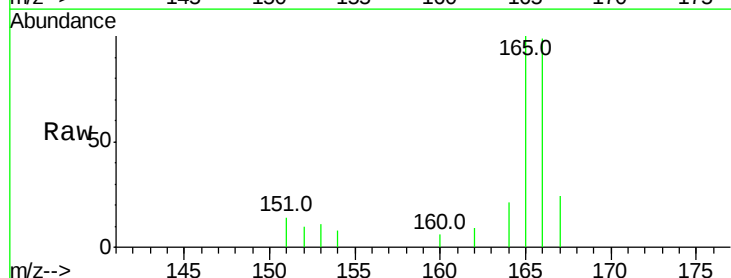
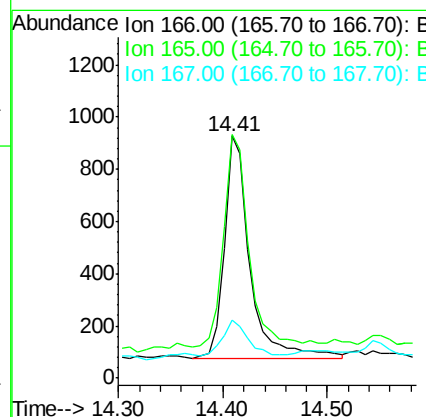
RT: 14.41 min Scan# 1952

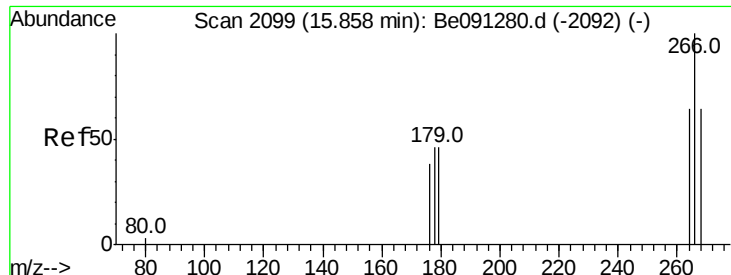
Delta R.T. -0.01 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

Tgt Ion:	166	Resp:	1460
Ion	Ratio	Lower	Upper
166	100		
165	100.5	87.6	131.4
167	24.1	11.1	16.7#





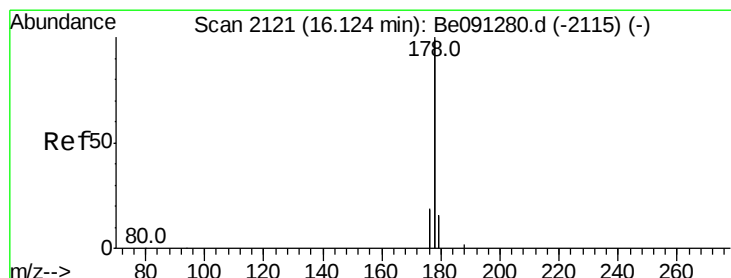
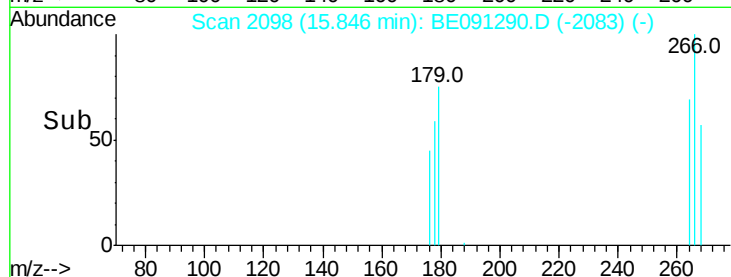
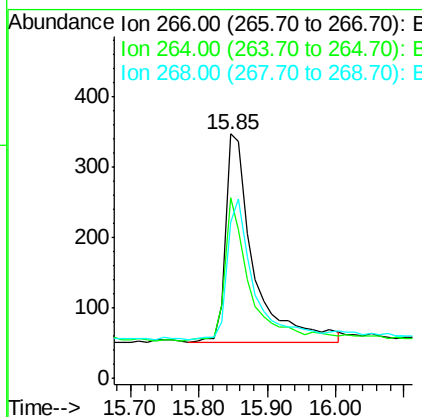
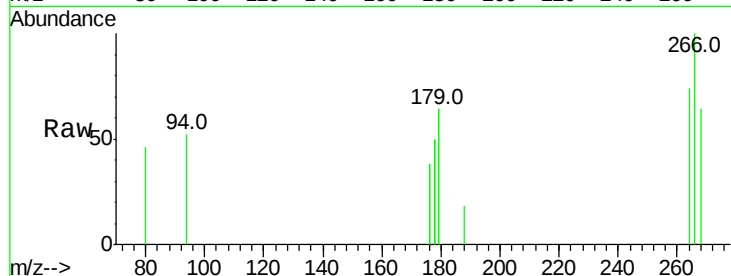
#13
 Pentachlorophenol
 Concen: 0.52 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091290.D
 Acq: 21 Nov 2015 23:31

Instrument :
 BNA_E
 ClientSampleId :
 A4J69MSD

Tot Ion	Ratio	Lower	Upper
266	100		
264	64.1	53.5	80.3
268	66.0	54.2	81.2

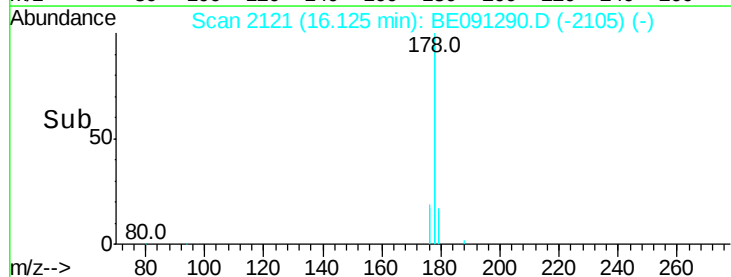
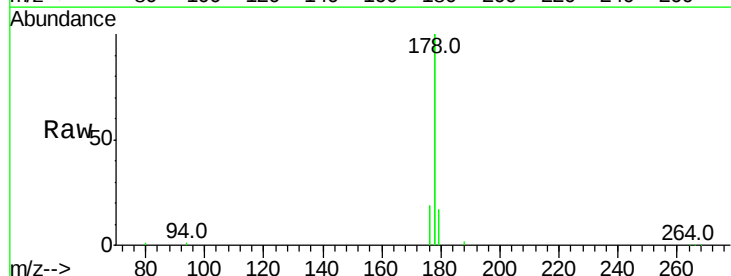
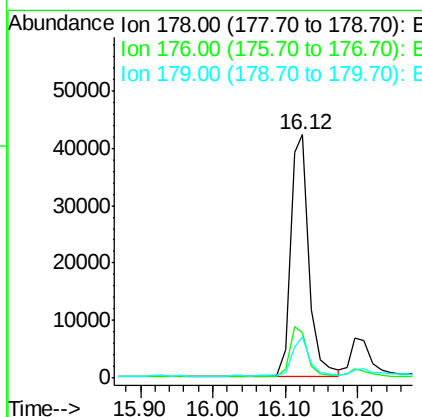
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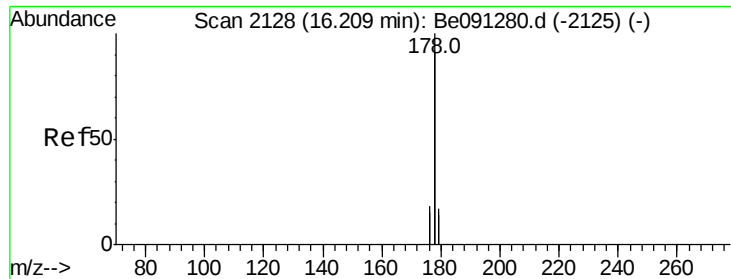
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#14
 Phenanthrene
 Concen: 0.39 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091290.D
 Acq: 21 Nov 2015 23:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	17.2	12.8	19.2





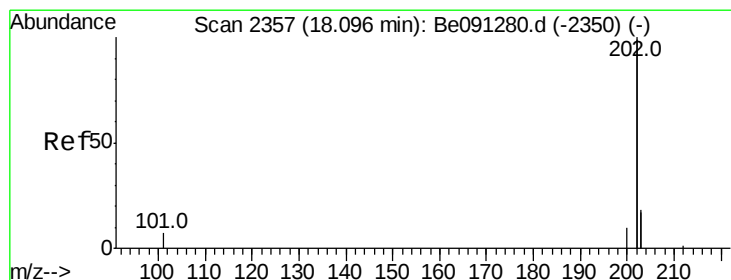
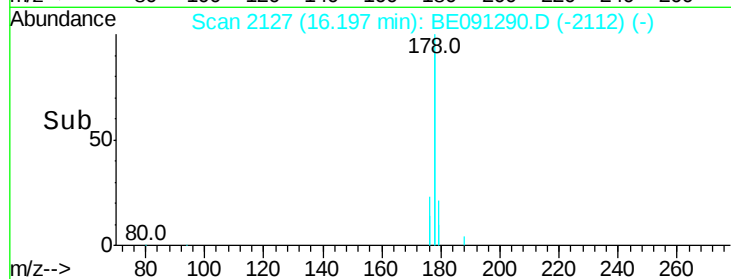
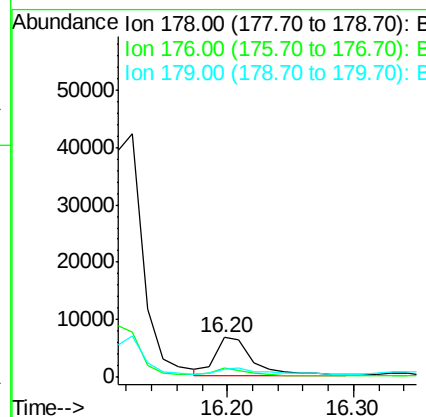
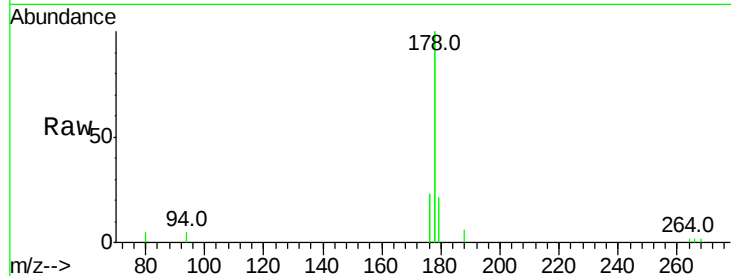
#15
 Anthracene
 Concen: 0.08 ng/ul m
 RT: 16.20 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BE091290.D
 Acq: 21 Nov 2015 23:31

Instrument :
 BNA_E
 ClientSampleId :
 A4J69MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	23.0	15.8	23.8
179	21.3	13.3	19.9

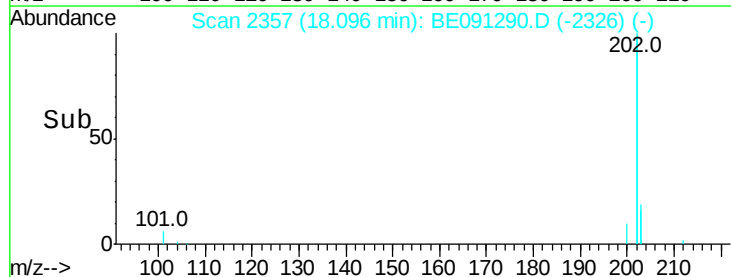
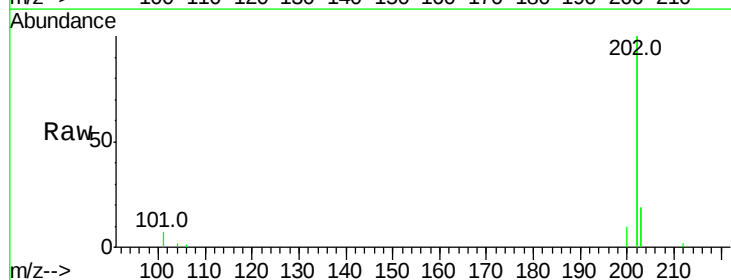
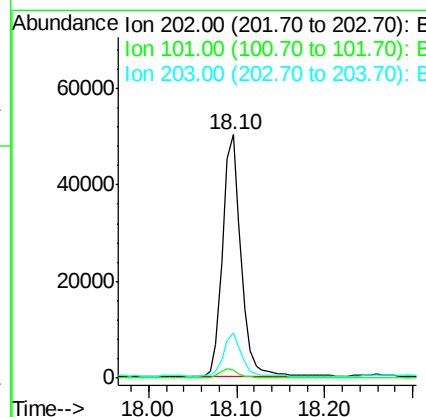
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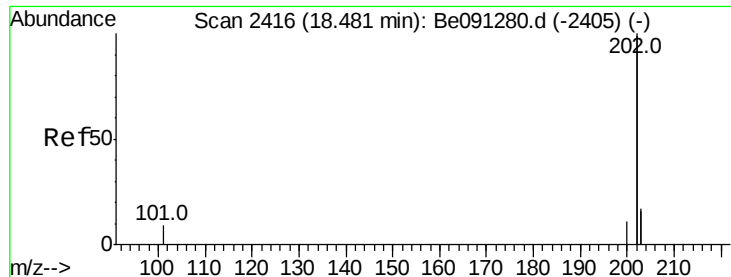
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#17
 Fluoranthene
 Concen: 0.32 ng/ul
 RT: 18.10 min Scan# 2357
 Delta R.T. -0.00 min
 Lab File: BE091290.D
 Acq: 21 Nov 2015 23:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.3	0.0	33.1
203	18.6	0.0	37.2





#19

Pvrene

Concen: 0.25 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

Instrument :

BNA_E

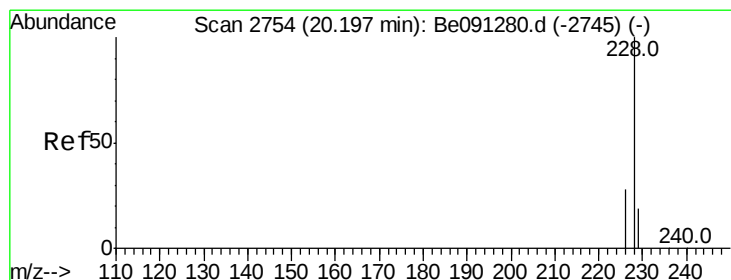
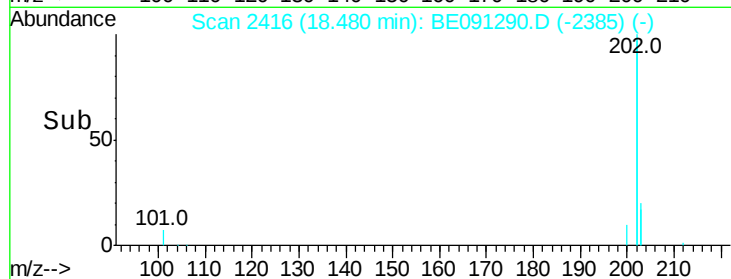
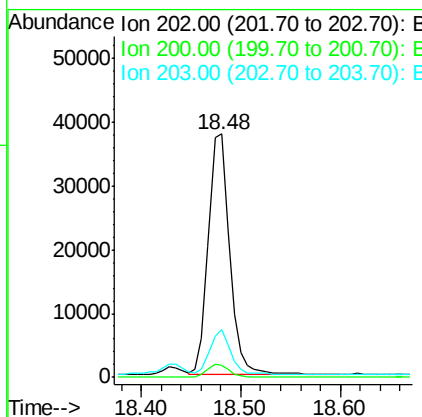
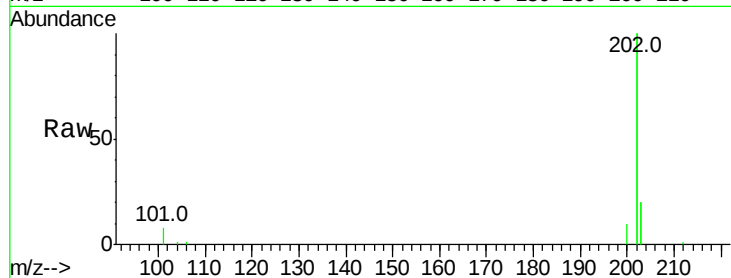
ClientSampleId :

A4J69MSD

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Tot Ion:	202	Resp:	55504
Ion Ratio	Lower	Upper	
202	100		
200	5.1	18.0	27.0#
203	19.8	13.8	20.6



#20

Benzo(a)anthracene

Concen: 0.11 ng/ul

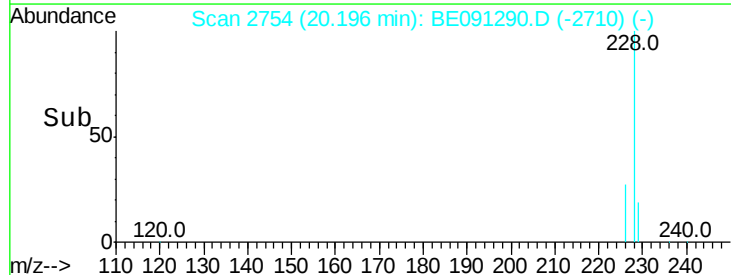
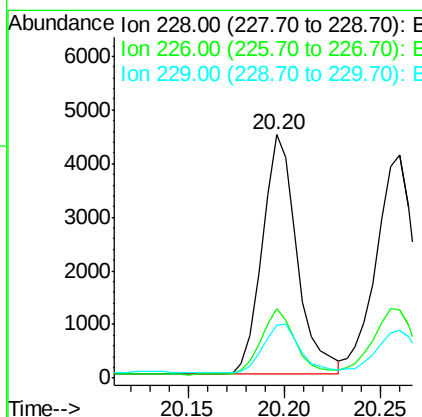
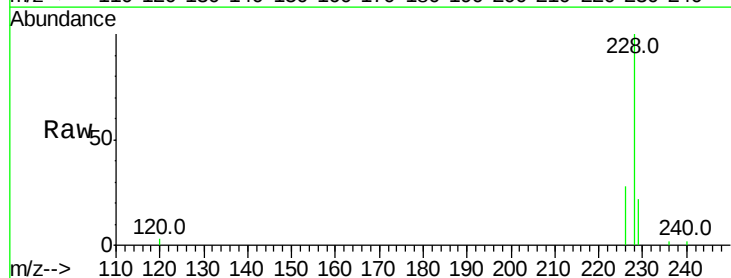
RT: 20.20 min Scan# 2754

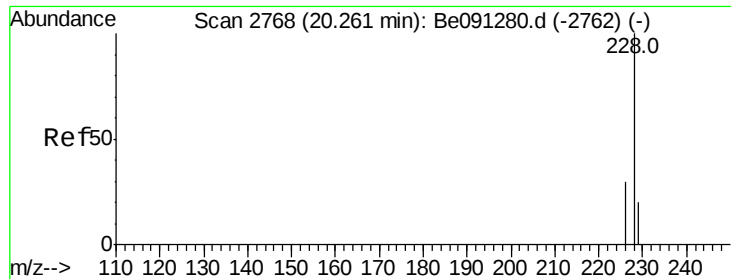
Delta R.T. -0.00 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

Tgt Ion:	228	Resp:	5572
Ion Ratio	Lower	Upper	
228	100		
226	28.3	23.0	34.4
229	21.6	15.2	22.8





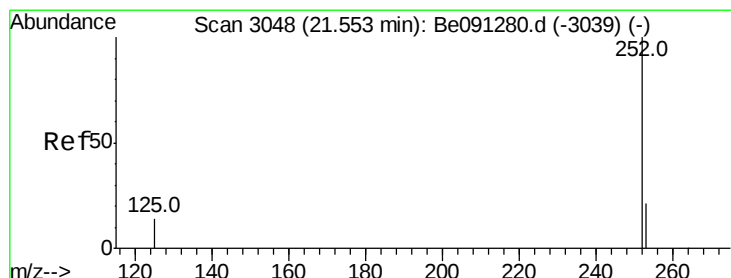
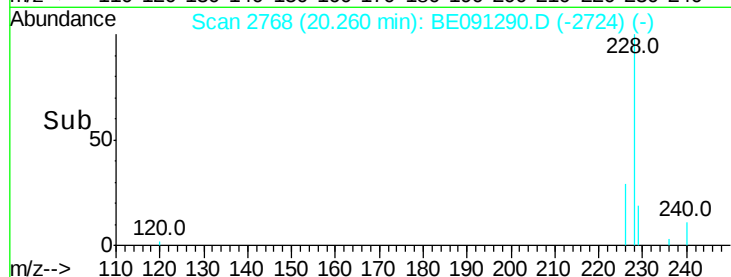
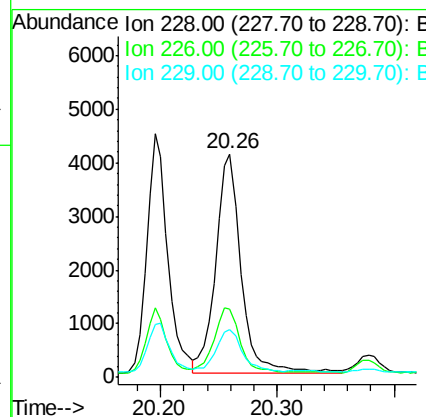
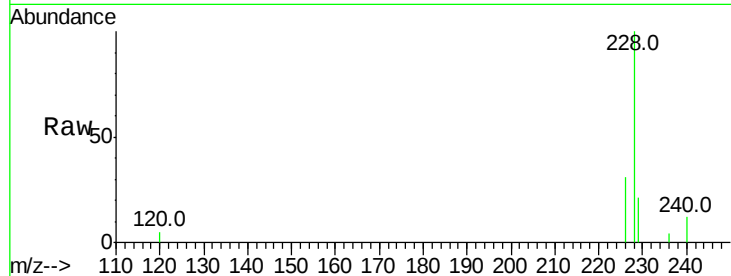
#21
Chrysene
Concen: 0.11 ng/uL
RT: 20.26 min Scan# 2768
Delta R.T. -0.00 min
Lab File: BE091290.D
Acq: 21 Nov 2015 23:31

Instrument :
BNA_E
ClientSampleId :
A4J69MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.7	38.5
229	21.3	15.2	22.8

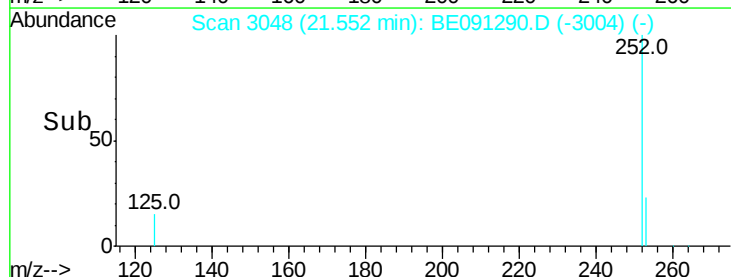
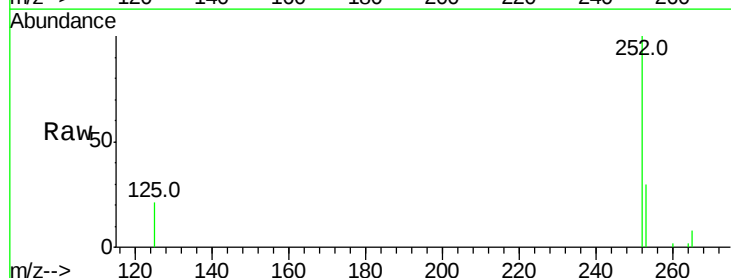
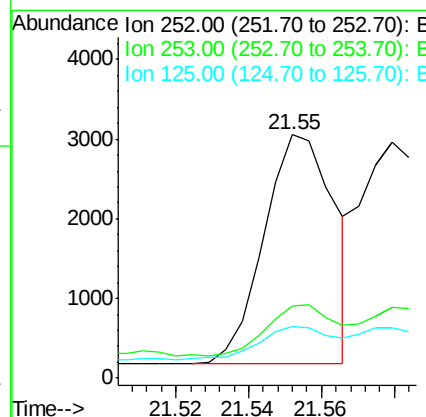
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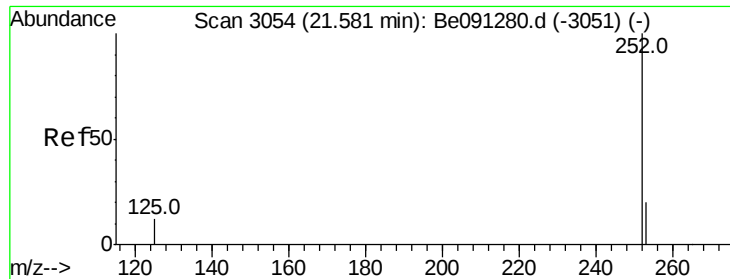
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#23
Benzo(b)fluoranthene
Concen: 0.07 ng/uL
RT: 21.55 min Scan# 3048
Delta R.T. -0.00 min
Lab File: BE091290.D
Acq: 21 Nov 2015 23:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	0.0	48.0
125	21.1	0.0	36.6





#24

Benzo(k)fluoranthene

Concen: 0.07 ng/ul

RT: 21.58 min Scan# 3054

Delta R.T. -0.00 min

Lab File: BE091290.D

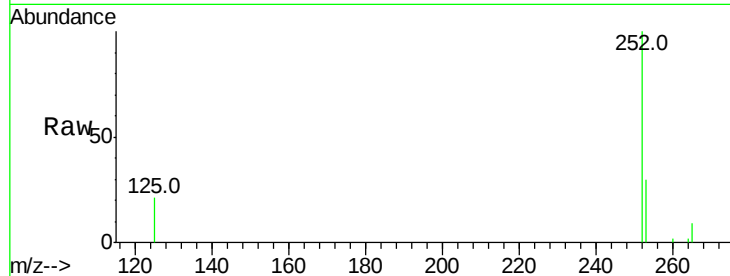
Acq: 21 Nov 2015 23:31

Instrument :

BNA_E

ClientSampleId :

A4J69MSD



Tot Ion:252 Resp: 4174

Ion Ratio Lower Upper

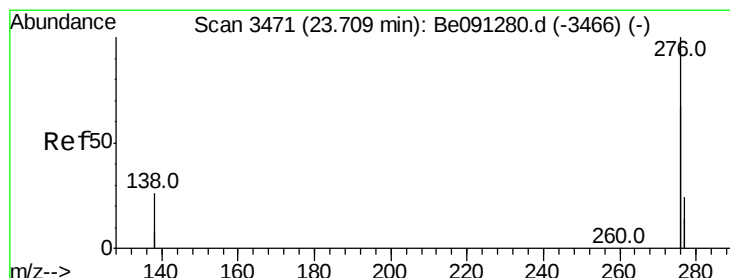
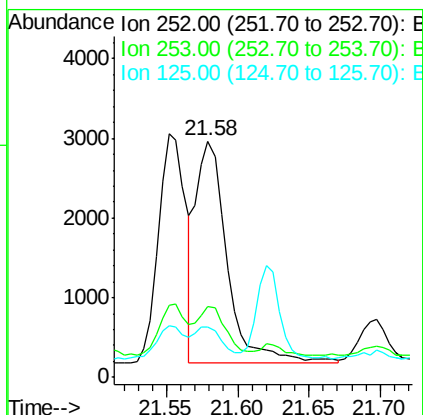
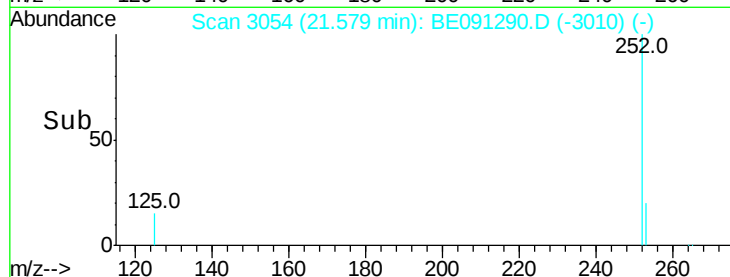
252 100

253 29.8 20.8 31.2

125 21.4 12.2 18.4#

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#26

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 23.70 min Scan# 3471

Delta R.T. -0.01 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

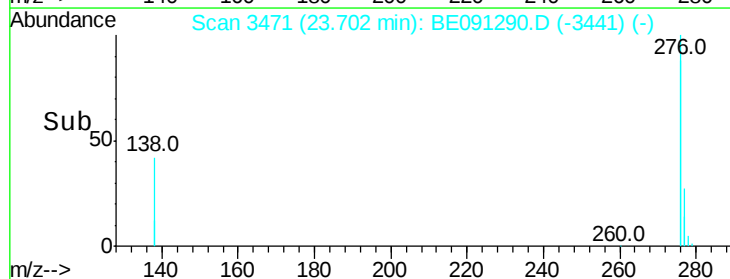
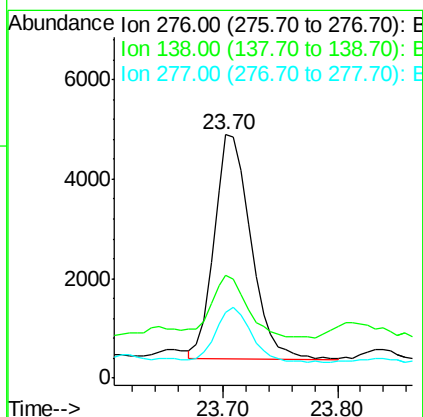
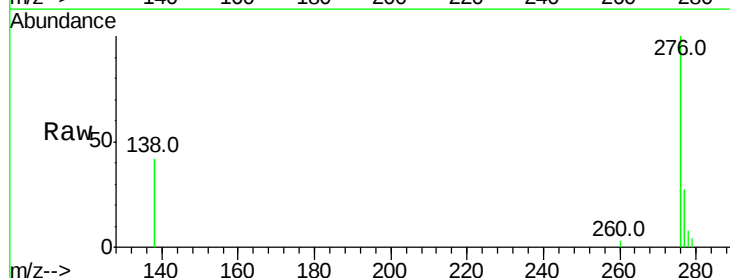
Tgt Ion:276 Resp: 10092

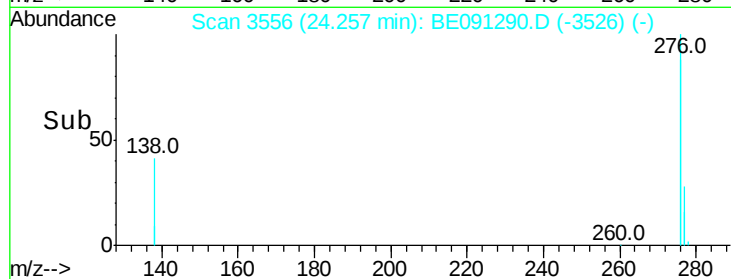
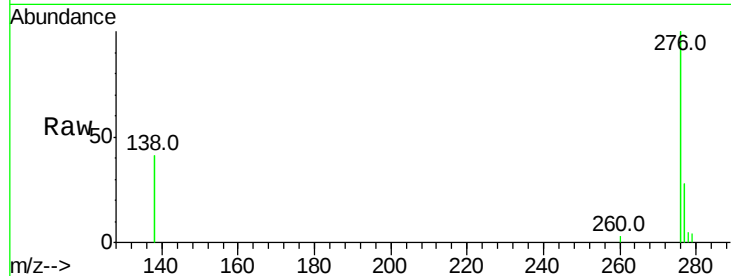
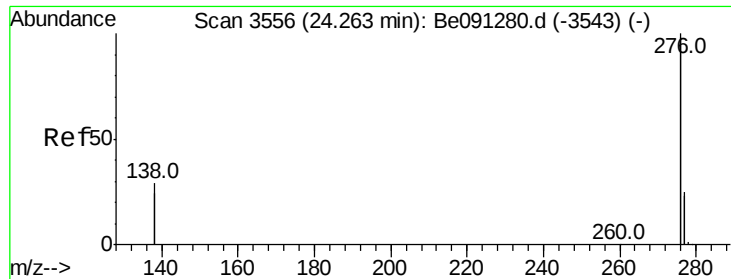
Ion Ratio Lower Upper

276 100

138 29.6 27.5 41.3

277 23.9 19.3 28.9





#28

Benzo(a,h,i)perylene

Concen: 0.05 ng/ul

RT: 24.26 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

Instrument :

BNA_E

ClientSampleId :

A4J69MSD

Tot Ion: 276 Resp: 11766

Ion Ratio Lower Upper

276 100

277 28.5 21.3 31.9

138 40.8 25.5 38.3#

Manual Integrations
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