Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082916\
Data File : BE092293.D
Acq On : 29 Aug 2016 17:37
Operator : UM/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE082916

Manual Integrations APPROVED
sohil
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Quant Time: Aug 29 18:43:42 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 29 18:19:23 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	9105	5.00	ng		0.00
7) Naphthalene-d8	10.95	136	41834	5.00	ng		-0.02
12) Acenaphthene-d10	14.83	164	23196	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	59482	5.00	ng		0.00
24) Chrysene-d12	21.75	240	69276	5.00	ng		0.00
31) Perylene-d12	24.12	264	63393	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.69	112	809	0.40	ng		-0.02
5) Phenol-d6	7.36	99	937	0.35	ng		-0.02
8) Nitrobenzene-d5	9.36	82	912	0.33	ng		0.00
13) 2,4,6-Tribromophenol	16.33	330	226	0.36	ng		0.00
14) 2-Fluorobiphenyl	13.46	172	2862	0.39	ng		0.00
26) Terphenyl-d14	20.19	244	3583	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	574	0.45	ng		93
3) n-Nitrosodimethylamine	3.79	42	569	0.42	ng	#	6
6) bis(2-Chloroethyl)ether	7.61	93	896	0.43	ng	#	33
9) Naphthalene	11.01	128	3663	0.39	ng		98
10) Hexachlorobutadiene	11.30	225	570	0.40	ng		96
11) 2-Methylnaphthalene	12.65	142	2239	0.39	ng		98
15) Acenaphthylene	14.54	152	15050	0.38	ng		99
16) Acenaphthene	14.88	154	2528	0.39	ng		99
17) Fluorene	15.88	166	3047	0.39	ng		99
19) Hexachlorobenzene	16.89	284	925	0.38	ng	#	100
20) Pentachlorophenol	17.26	266	187	0.43	ng		95
21) Phenanthrene	17.62	178	5525	0.39	ng		99
22) Anthracene	17.72	178	4860	0.38	ng		100
23) Fluoranthene	19.61	202	22807	0.36	ng		100
25) Pyrene	19.99	202	24440	0.38	ng		99
27) Benzo(a)anthracene	21.72	228	24668m	0.46	ng		
28) Chrysene	21.79	228	27247m	0.42	ng		
29) Bis(2-ethylhexyl)phthalate	21.66	149	1604	0.35	ng	#	100
30) Indeno(1,2,3-cd)pyrene	26.63	276	25298	0.38	ng		99
32) Benzo(b)fluoranthene	23.39	252	5833	0.39	ng		98
33) Benzo(k)fluoranthene	23.44	252	6555	0.38	ng		99
34) Benzo(a)pyrene	24.02	252	5617	0.37	ng		98
35) Dibenzo(a,h)anthracene	26.67	278	4993	0.38	ng		97
36) Benzo(g,h,i)perylene	27.40	276	22768	0.39	ng		98

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

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Misc :
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Instrument :
BNA_E
ClientSampleId :
ICVBE082916

Manual Integrations APPROVED
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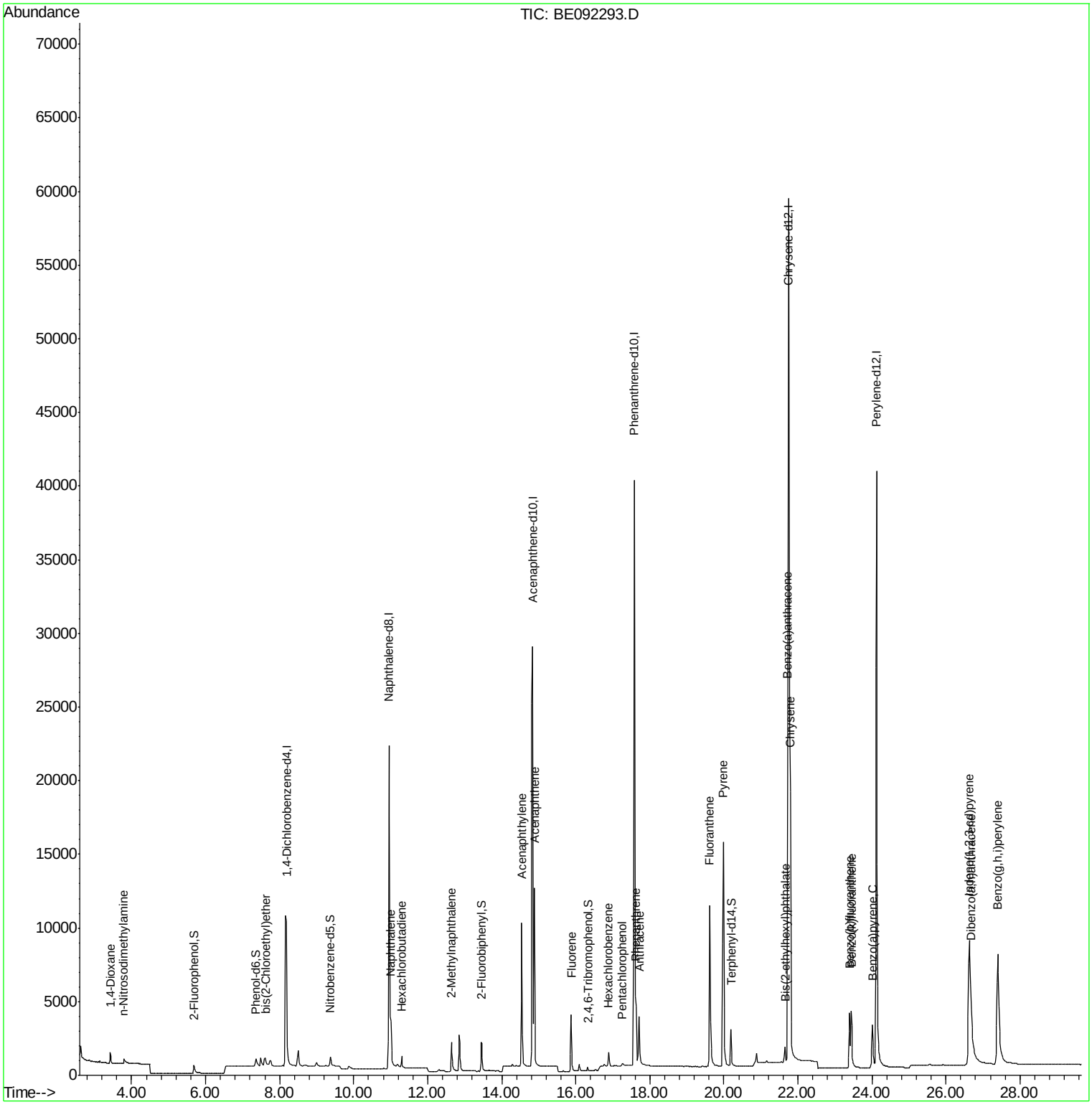
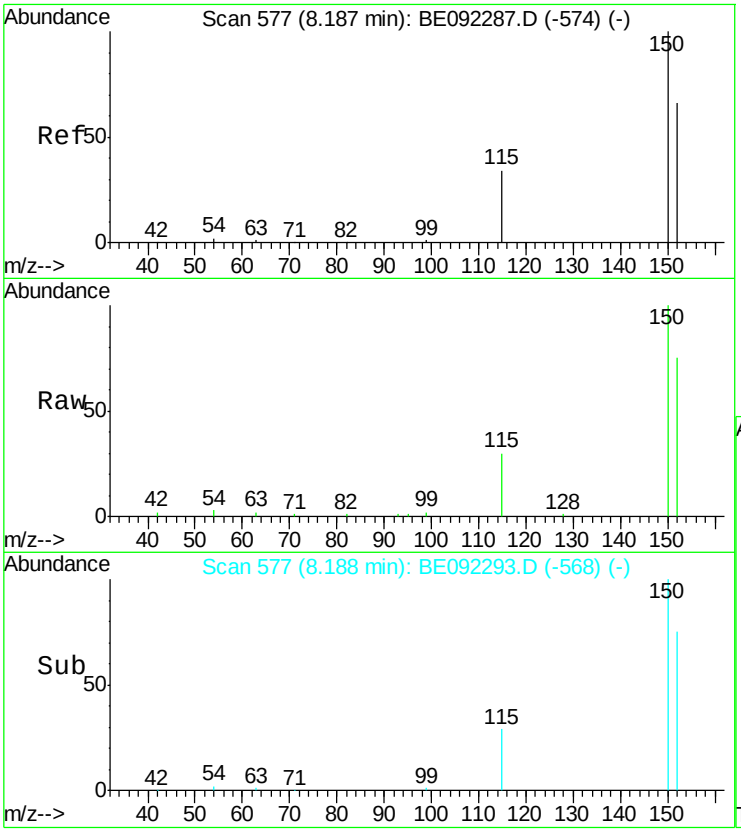
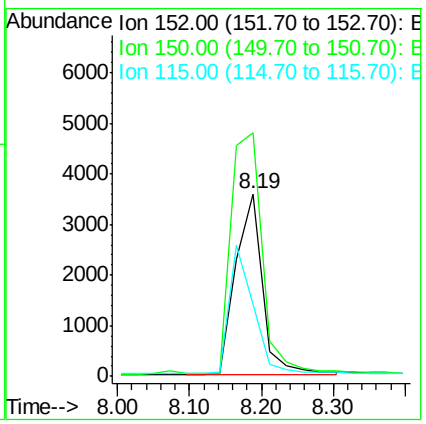




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.19 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:152 Resp: 9105

Ion	Ratio	Lower	Upper
152	100		
150	133.3	135.6	203.4#
115	39.7	59.4	89.0#



Instrument :
BNA_E
ClientSampleId :
ICVBE082916

Manual Integrations APPROVED
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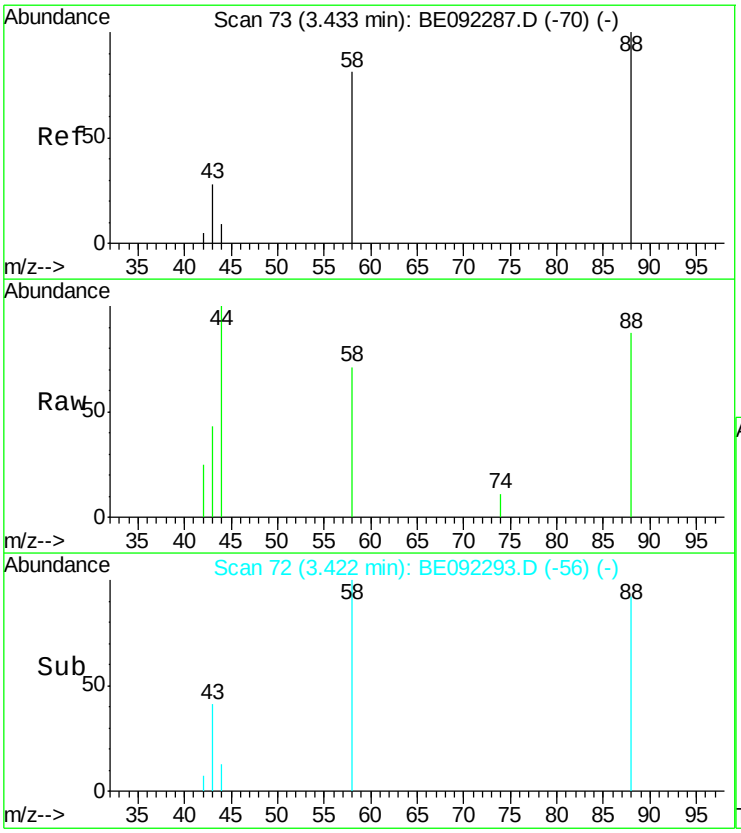
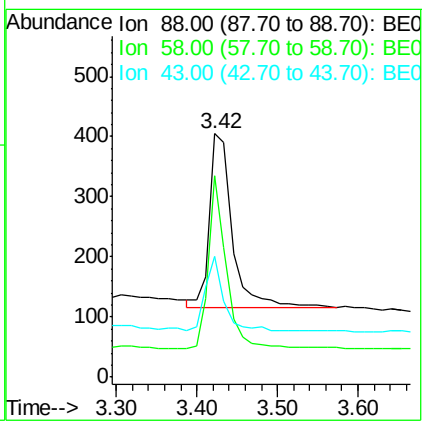
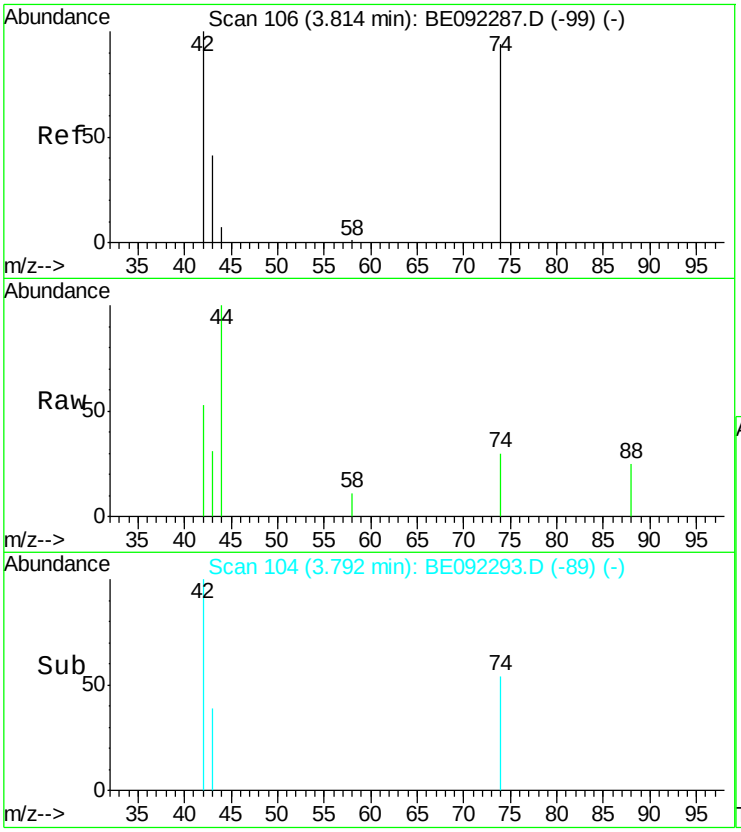


#2
1,4-Dioxane
Concen: 0.45 ng
RT: 3.42 min Scan# 72
Delta R.T. -0.01 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion: 88 Resp: 574

Ion	Ratio	Lower	Upper
88	100		
58	76.8	64.4	96.6
43	34.3	33.4	50.2

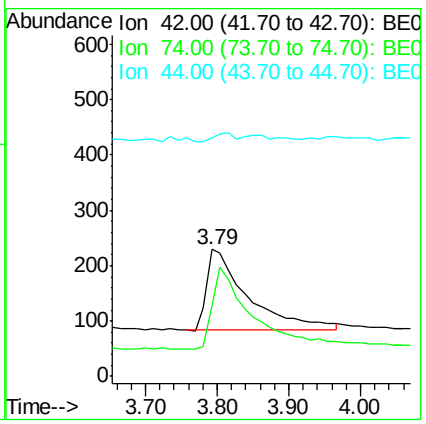




#3
n-Nitrosodimethylamine
Concen: 0.42 ng
RT: 3.79 min Scan# 104
Delta R.T. -0.02 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion: 42 Resp: 569

Ion	Ratio	Lower	Upper
42	100		
74	0.0	77.2	115.8#
44	0.0	5.0	7.4#



Instrument :
BNA_E
ClientSampleId :
ICVBE082916

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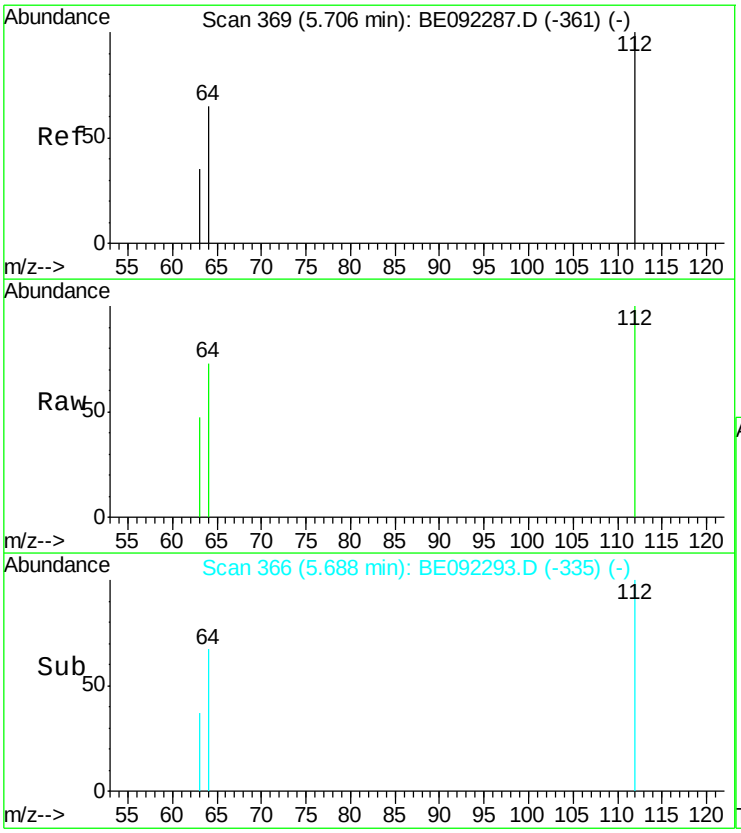
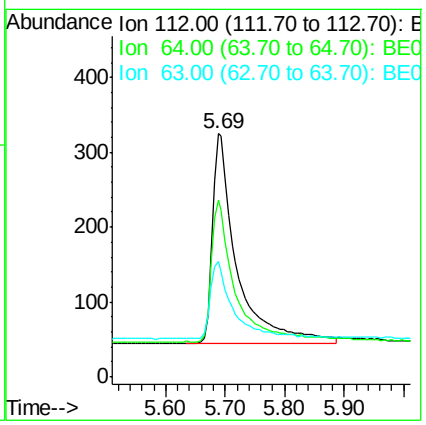
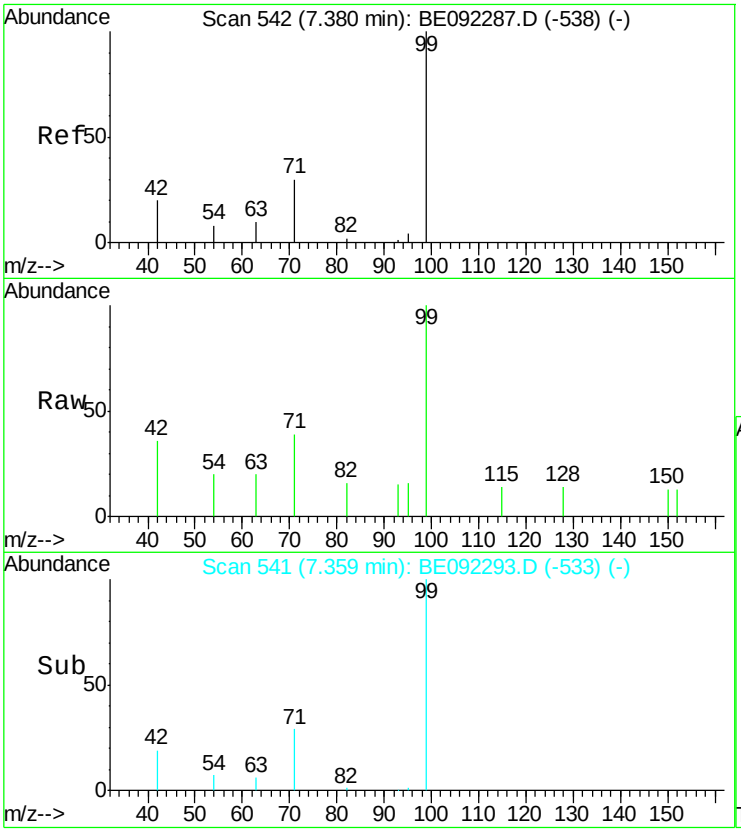


#4
2-Fluorophenol
Concen: 0.40 ng
RT: 5.69 min Scan# 366
Delta R.T. -0.02 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:112 Resp: 809

Ion	Ratio	Lower	Upper
112	100		
64	64.8	53.2	79.8
63	34.2	27.4	41.2

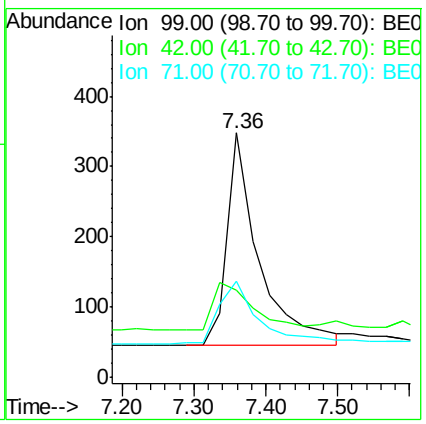




#5
Phenol-d6
Concen: 0.35 ng
RT: 7.36 min Scan# 541
Delta R.T. -0.02 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion: 99 Resp: 937

Ion	Ratio	Lower	Upper
99	100		
42	0.0	0.0	0.0
71	36.4	29.8	44.8



Instrument :
BNA_E
ClientSampleId :
ICVBE082916

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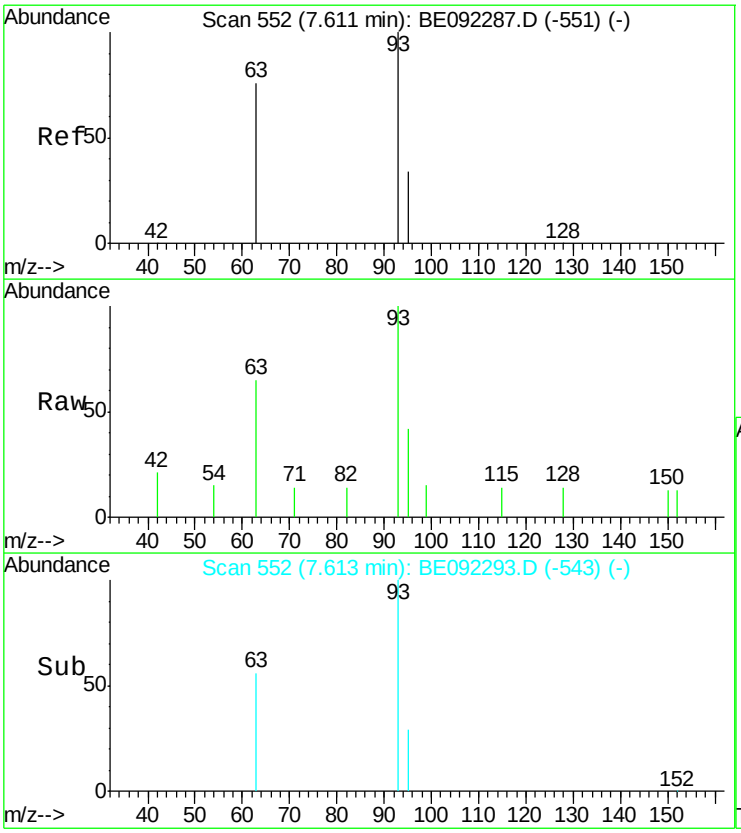
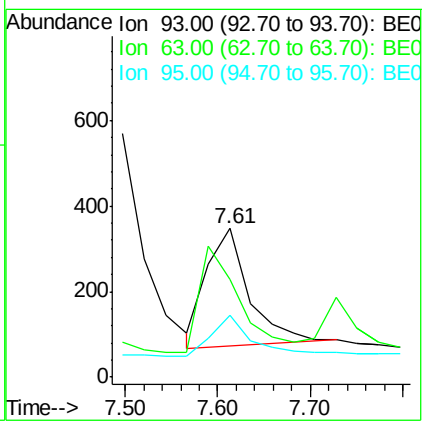
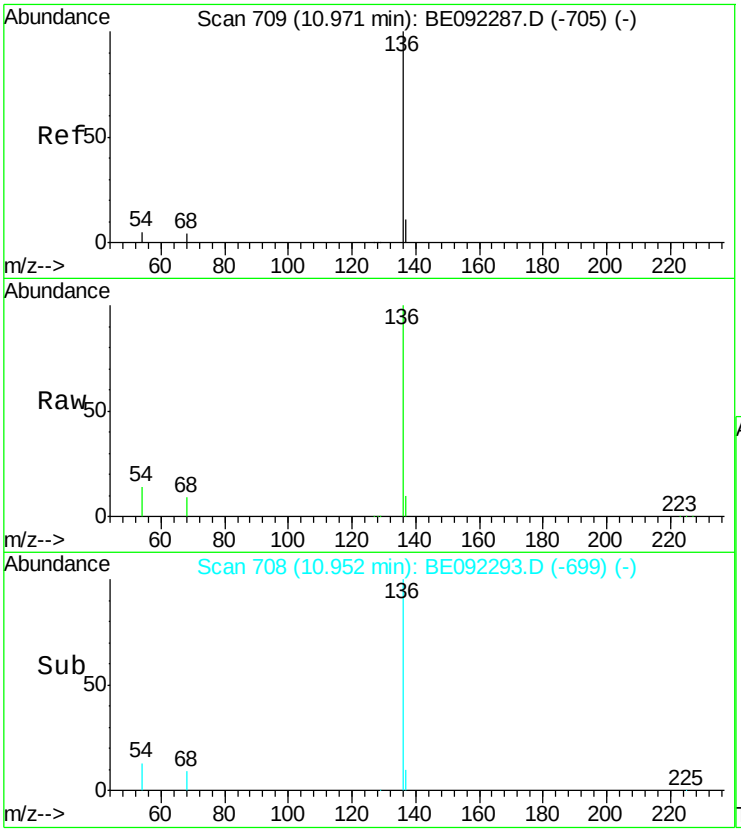


#6
bis(2-Chloroethyl)ether
Concen: 0.43 ng
RT: 7.61 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion: 93 Resp: 896

Ion	Ratio	Lower	Upper
93	100		
63	0.0	68.5	102.7#
95	34.0	27.2	40.8

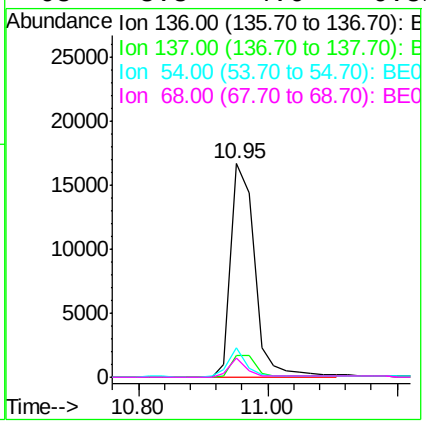




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.02 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:136 Resp: 41834

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.8	13.2
54	13.5	6.2	9.4#
68	8.8	4.6	6.8#



Instrument :
BNA_E
ClientSampleId :
ICVBE082916

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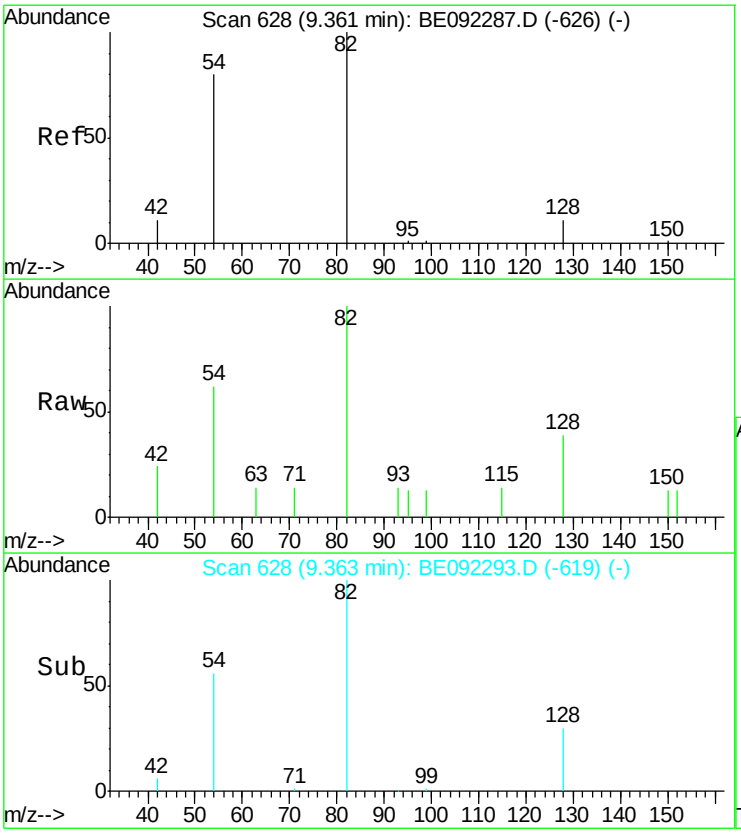
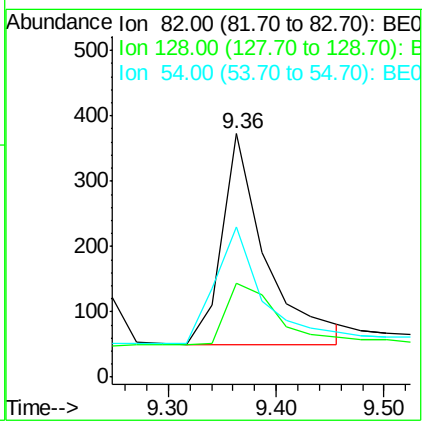
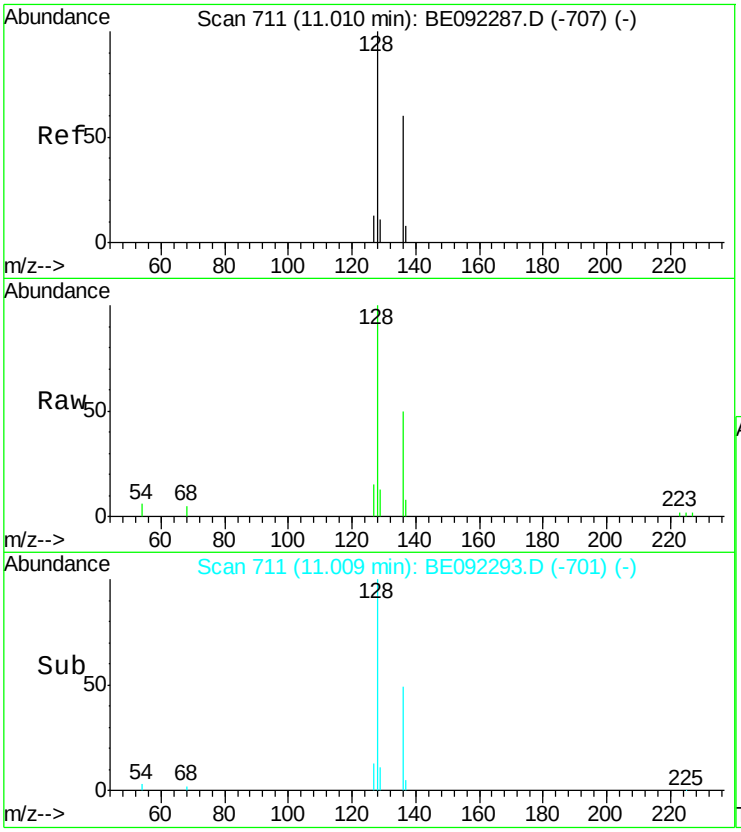


#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 9.36 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion: 82 Resp: 912

Ion	Ratio	Lower	Upper
82	100		
128	38.6	45.0	67.4#
54	61.9	45.4	68.2

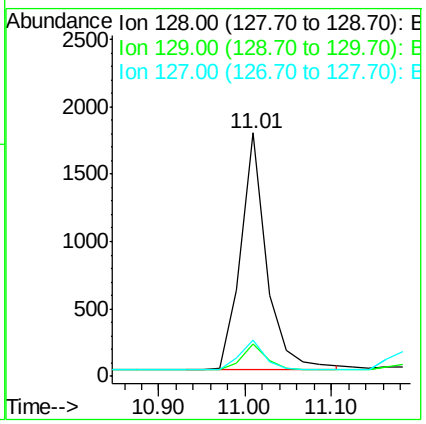




#9
Naphthalene
Concen: 0.39 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:128 Resp: 3663

Ion	Ratio	Lower	Upper
128	100		
129	13.4	11.5	17.3
127	14.8	11.0	16.6



Instrument :
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ClientSampleId :
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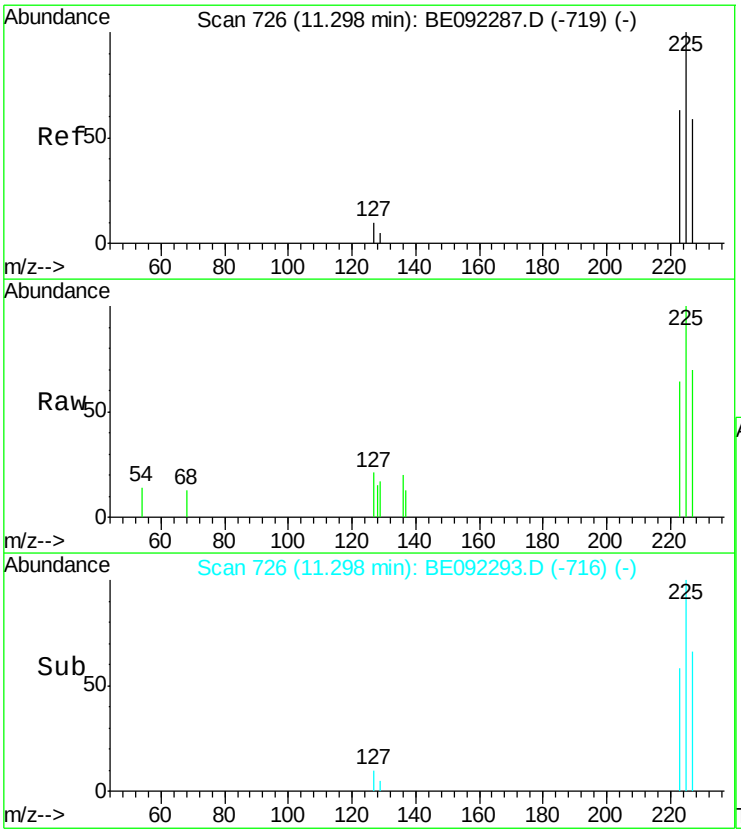
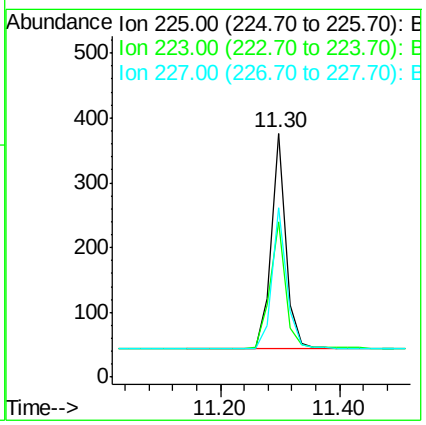
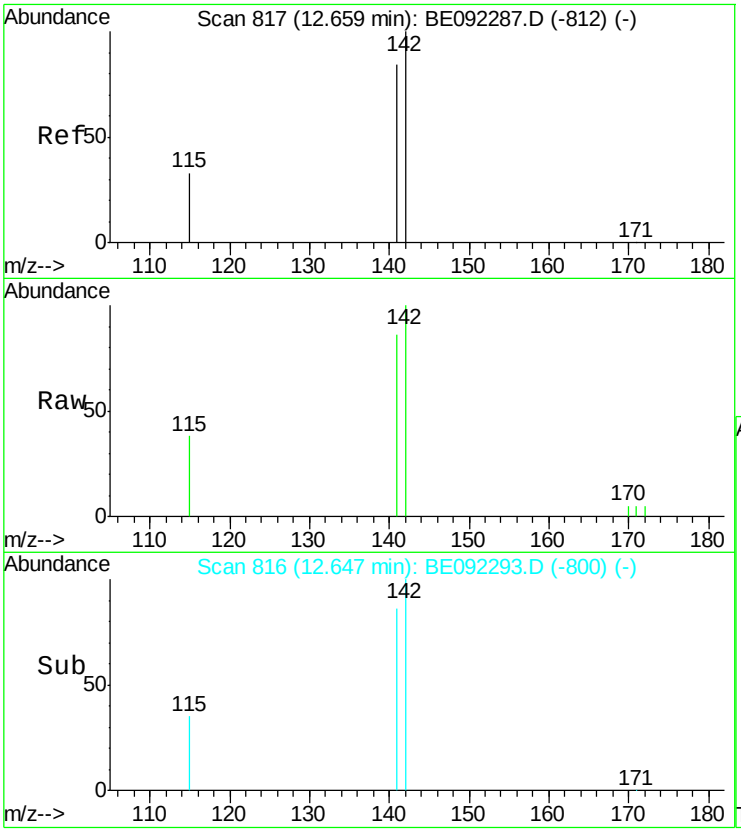


#10
Hexachlorobutadiene
Concen: 0.40 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:225 Resp: 570

Ion	Ratio	Lower	Upper
225	100		
223	60.7	52.2	78.4
227	66.1	51.0	76.6

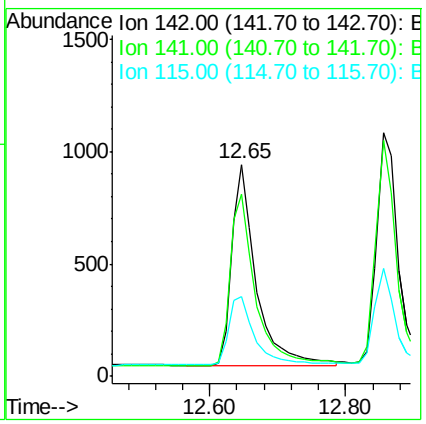




#11
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.65 min Scan# 816
Delta R.T. -0.01 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:142 Resp: 2239

Ion	Ratio	Lower	Upper
142	100		
141	86.1	70.6	105.8
115	37.8	31.0	46.4



Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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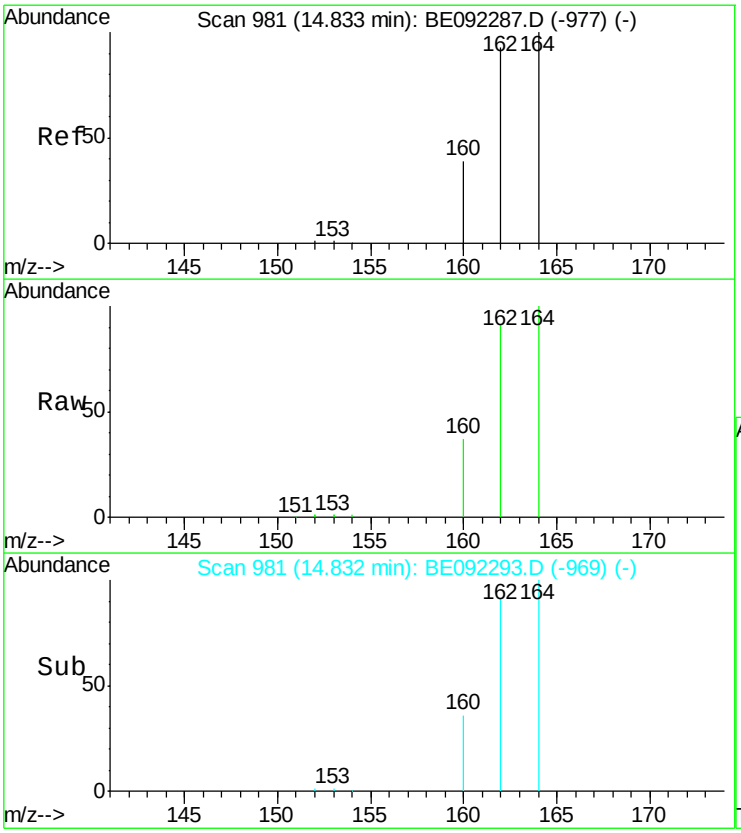
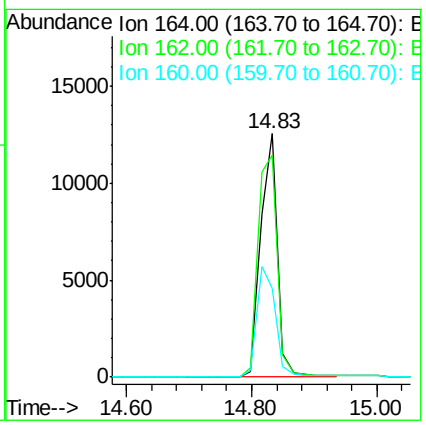
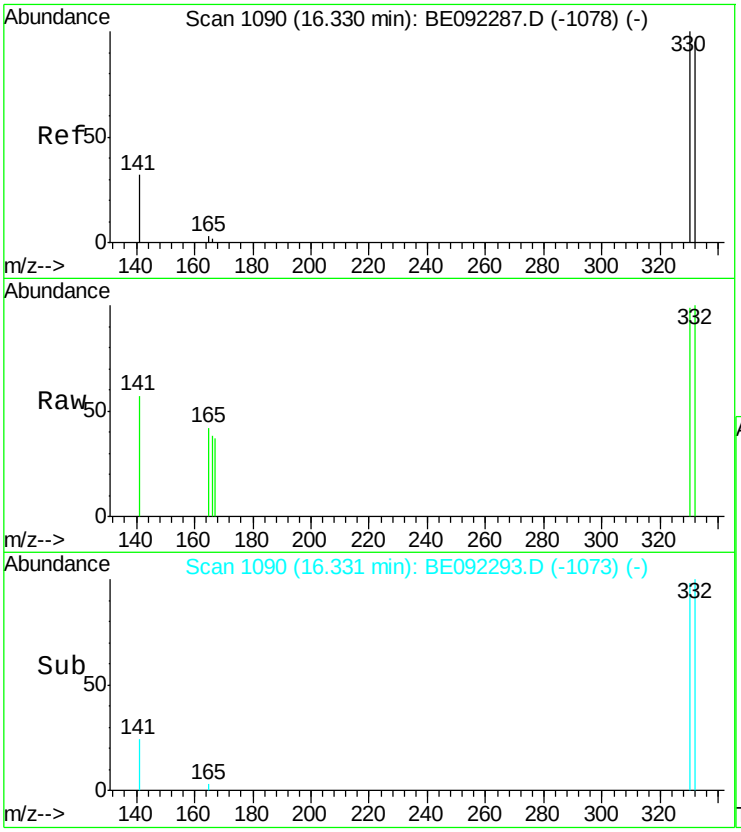


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 981
Delta R.T. -0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:164 Resp: 23196

Ion	Ratio	Lower	Upper
164	100		
162	90.9	83.3	124.9
160	36.6	38.0	57.0#





#13
2,4,6-Tribromophenol
Concen: 0.36 ng
RT: 16.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:330 Resp: 226

Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.4	113.0
141	51.3	37.7	56.5

Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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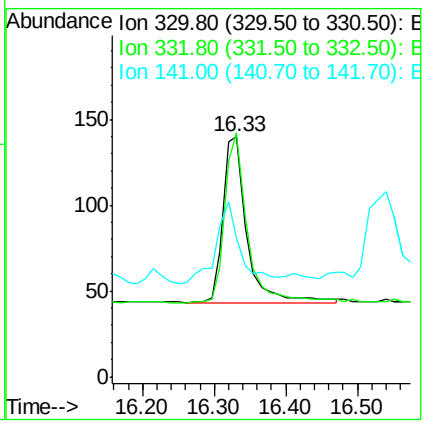
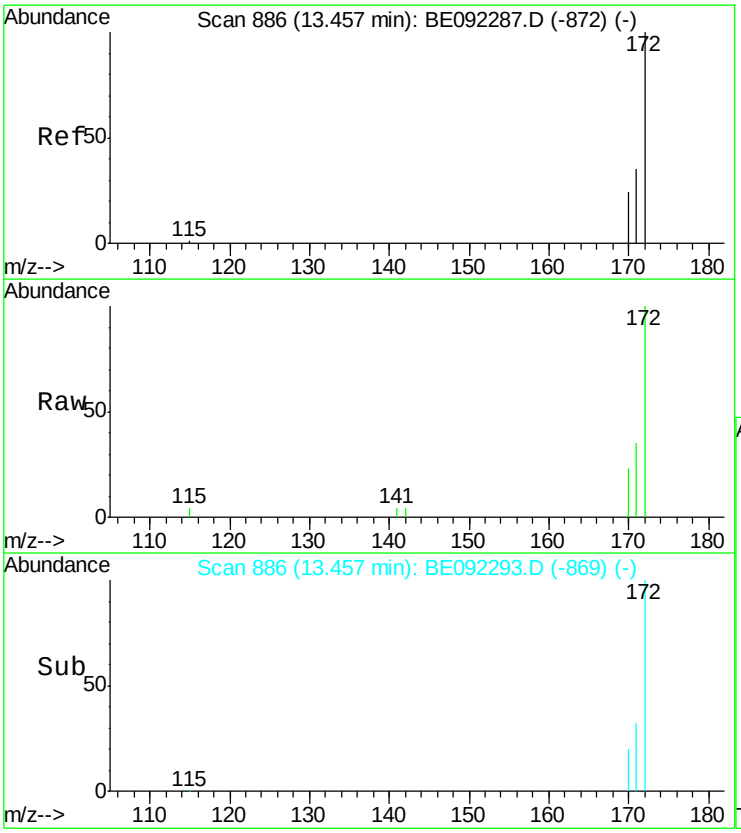
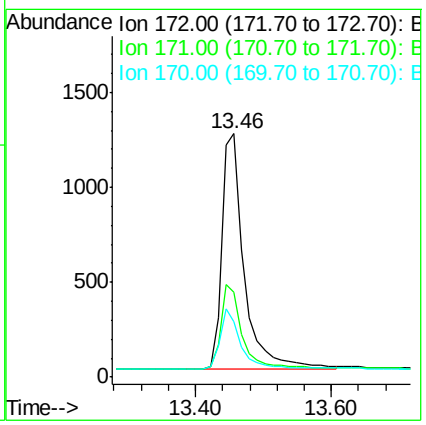


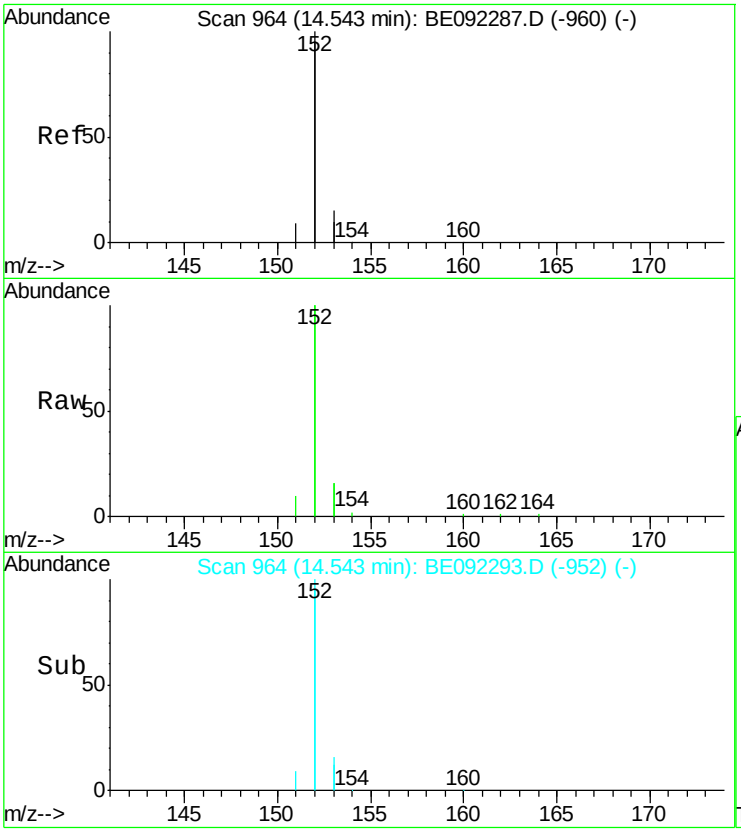


#14
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.46 min Scan# 886
Delta R.T. -0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:172 Resp: 2862

Ion	Ratio	Lower	Upper
172	100		
171	34.7	26.8	40.2
170	22.9	17.8	26.6

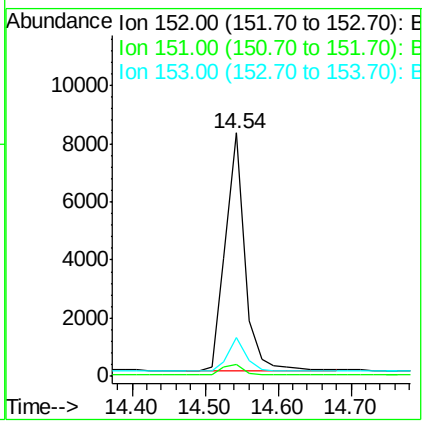




#15
Acenaphthylene
Concen: 0.38 ng
RT: 14.54 min Scan# 964
Delta R.T. -0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:152 Resp: 15050

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.8	5.8
153	13.3	10.2	15.2



Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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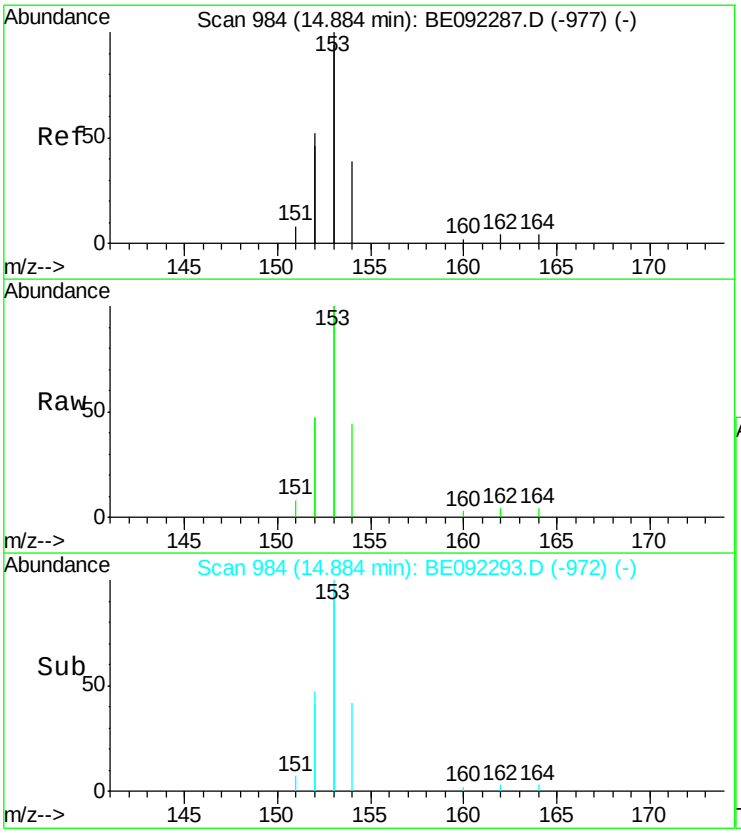
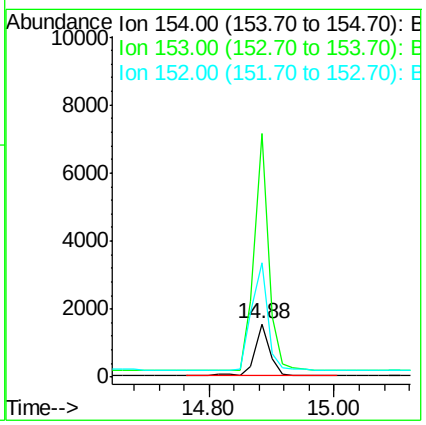
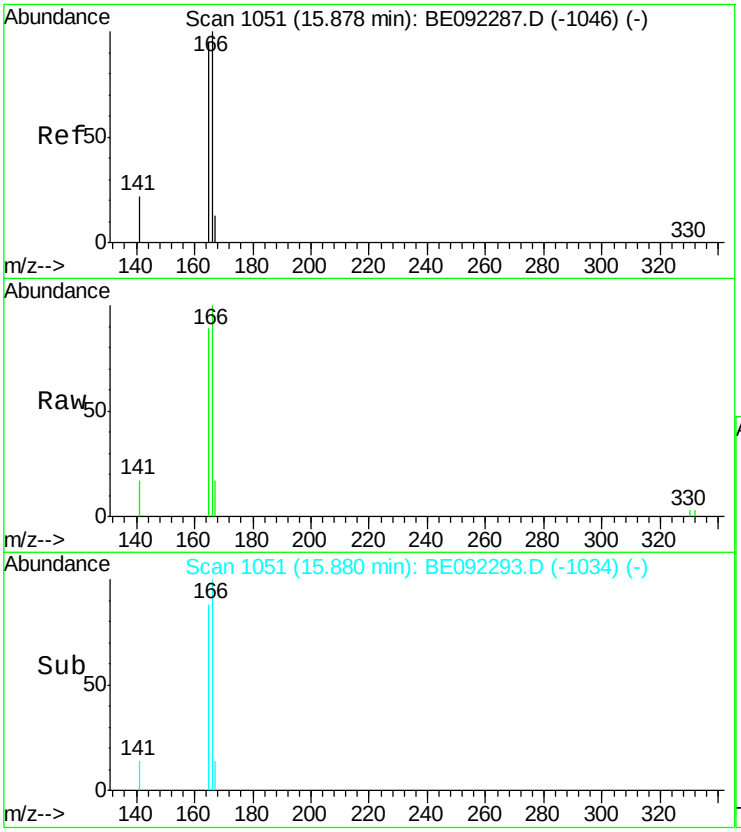


#16
Acenaphthene
Concen: 0.39 ng
RT: 14.88 min Scan# 984
Delta R.T. -0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:154 Resp: 2528

Ion	Ratio	Lower	Upper
154	100		
153	447.6	355.0	532.4
152	224.6	179.7	269.5





#17
Fluorene
Concen: 0.39 ng
RT: 15.88 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:166 Resp: 3047

Ion	Ratio	Lower	Upper
166	100		
165	98.6	80.1	120.1
167	13.5	10.6	16.0

Instrument :
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ClientSampleId :
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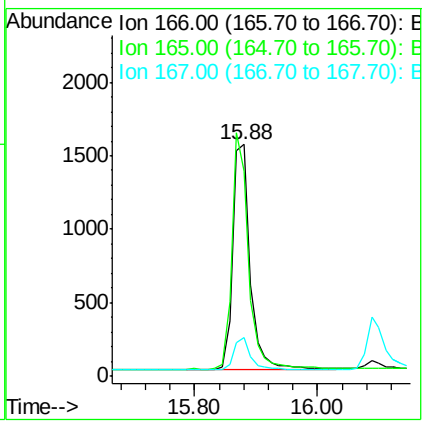
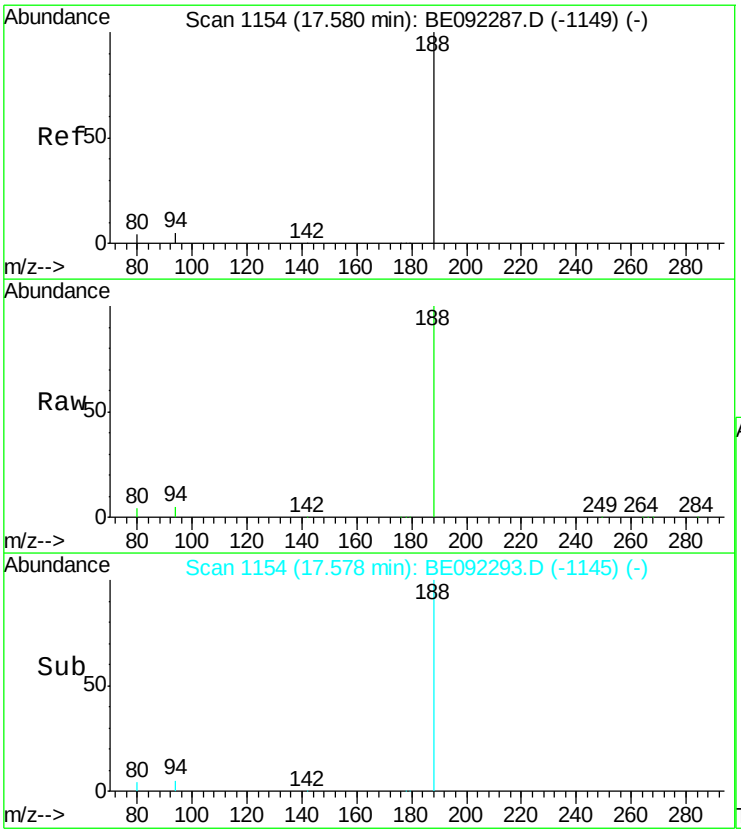
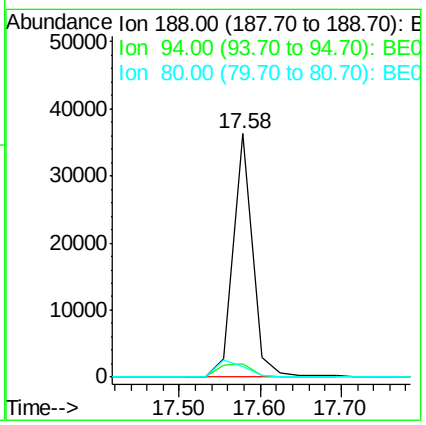


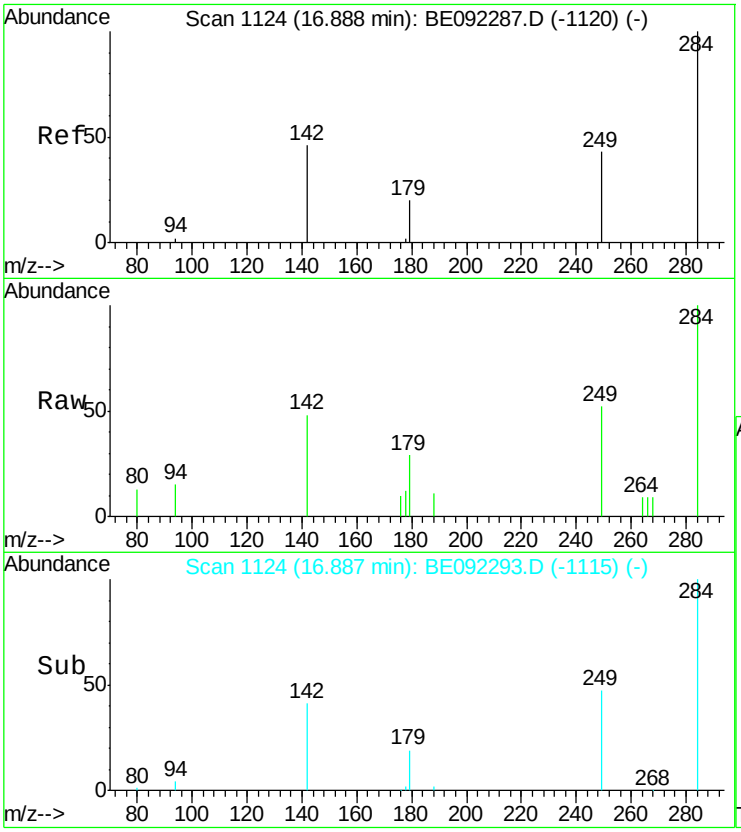


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:188 Resp: 59482

Ion	Ratio	Lower	Upper
188	100		
94	5.2	9.2	13.8#
80	4.5	9.1	13.7#

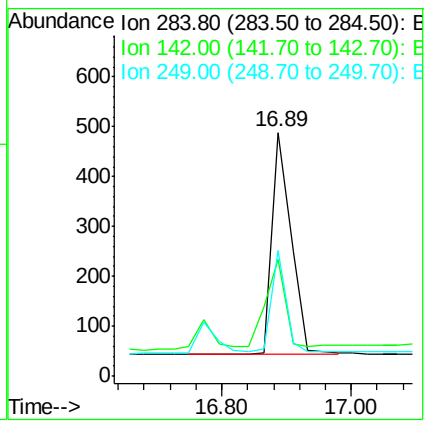




#19
Hexachlorobenzene
Concen: 0.38 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:284 Resp: 925

Ion	Ratio	Lower	Upper
284	100		
142	39.9	0.0	0.0#
249	35.1	0.0	0.0#



Instrument :
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ClientSampleId :
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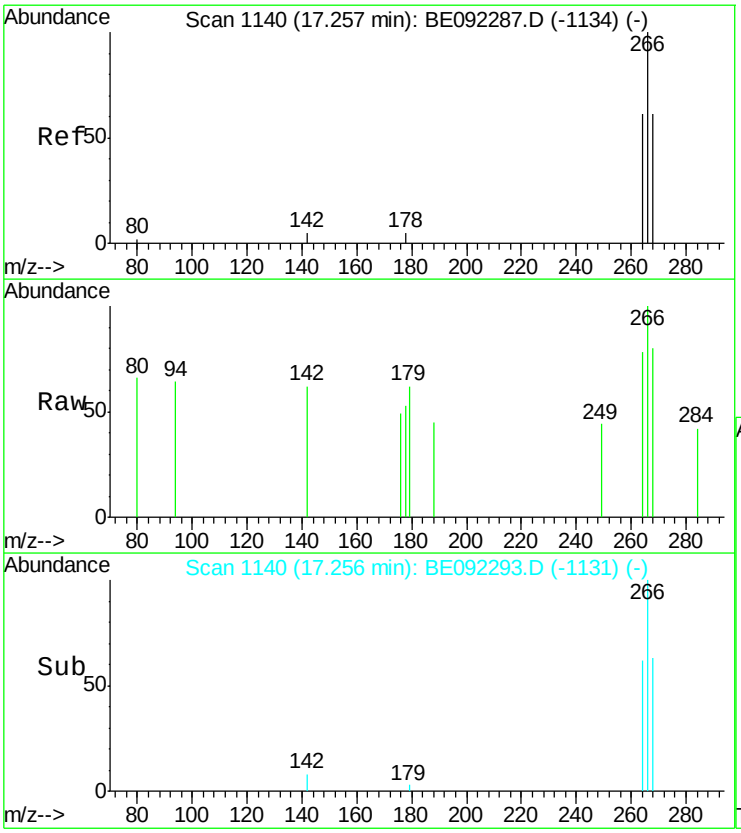
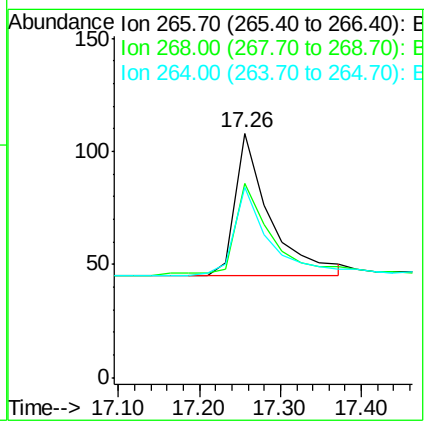
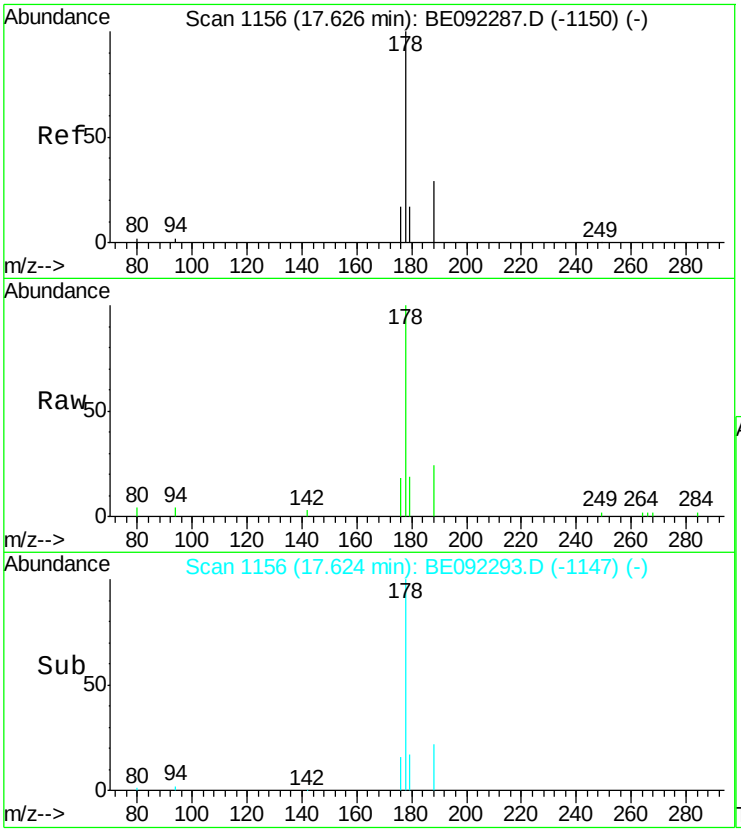


#20
Pentachlorophenol
Concen: 0.43 ng
RT: 17.26 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:266 Resp: 187

Ion	Ratio	Lower	Upper
266	100		
268	79.6	62.3	93.5
264	77.8	67.4	101.0

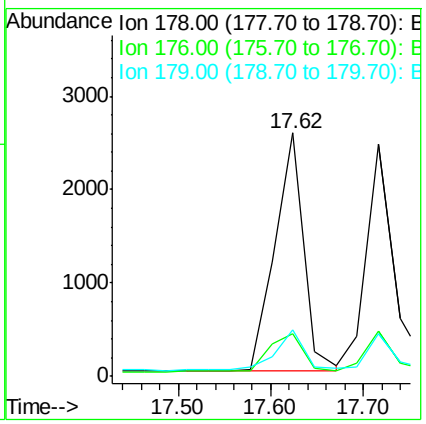




#21
Phenanthrene
Concen: 0.39 ng
RT: 17.62 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:178 Resp: 5525

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	16.6	12.9	19.3



Instrument :
BNA_E
ClientSampleId :
ICVBE082916

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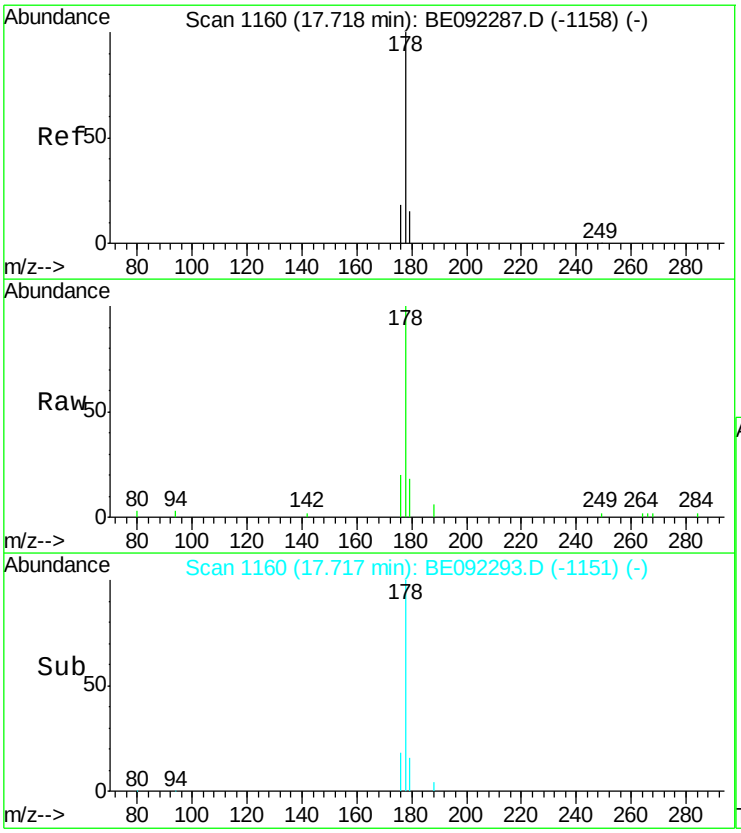
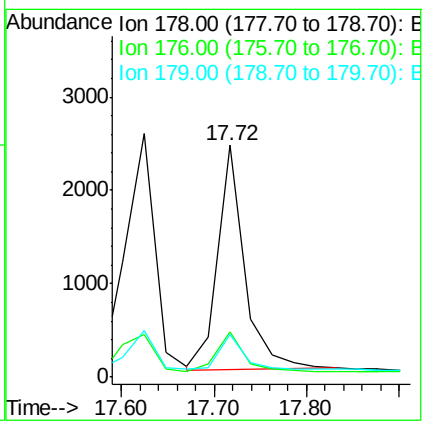
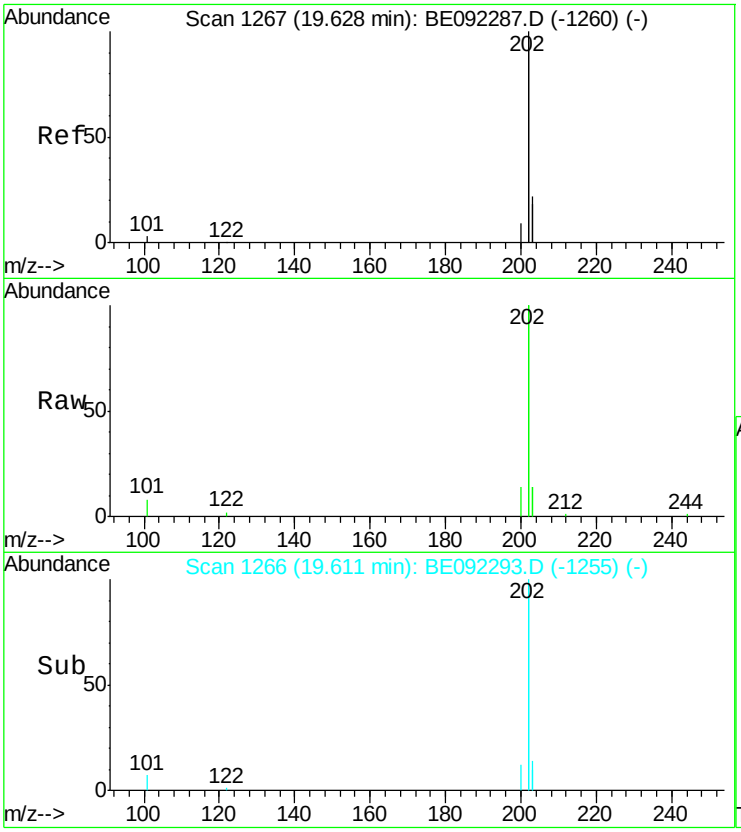


#22
Anthracene
Concen: 0.38 ng
RT: 17.72 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:178 Resp: 4860

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.1	12.0	18.0

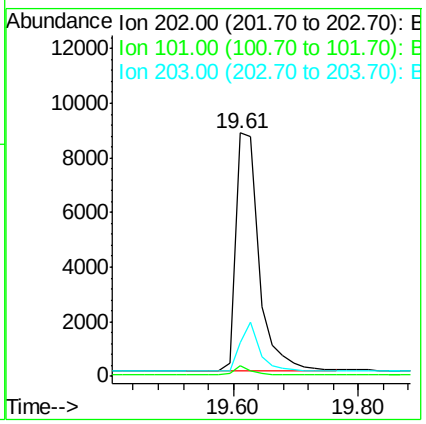




#23
Fluoranthene
Concen: 0.36 ng
RT: 19.61 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:202 Resp: 22807

Ion	Ratio	Lower	Upper
202	100		
101	2.7	2.2	3.4
203	17.3	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
ICVBE082916

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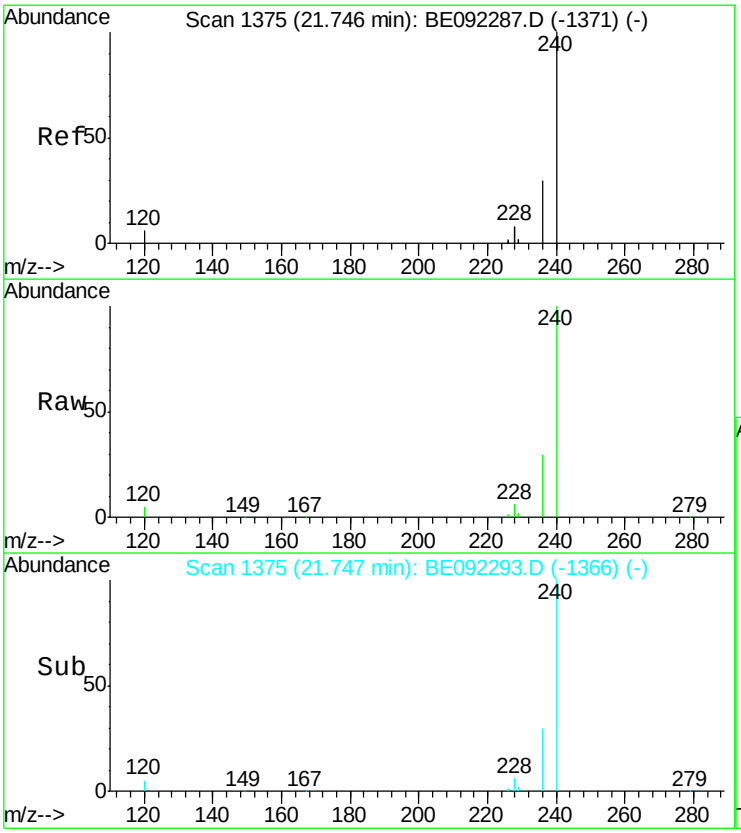
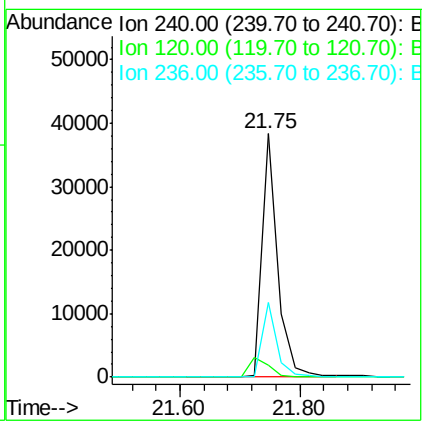
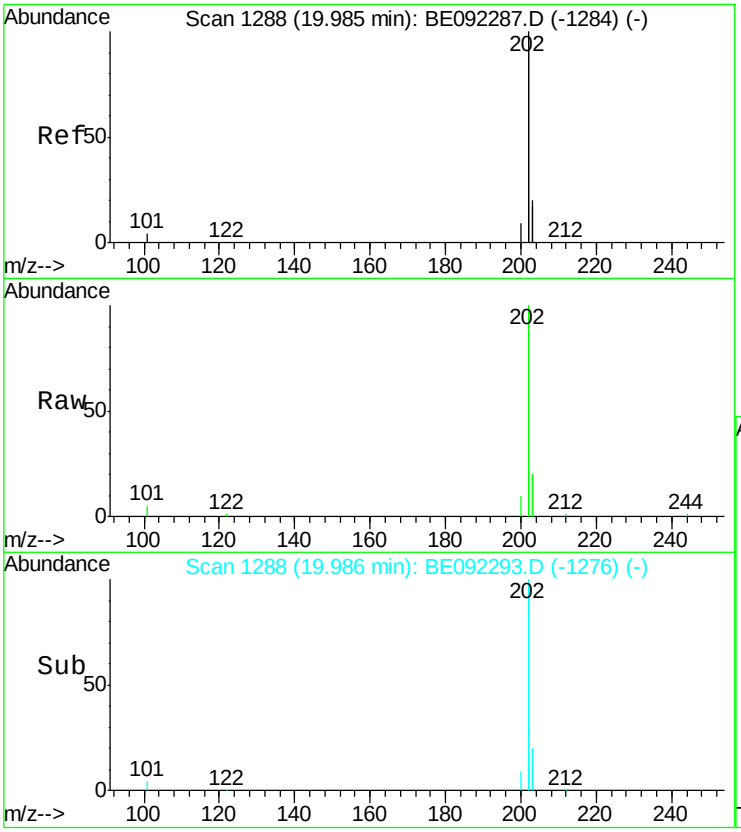


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:240 Resp: 69276

Ion	Ratio	Lower	Upper
240	100		
120	5.1	1.2	1.8#
236	30.4	17.1	25.7#

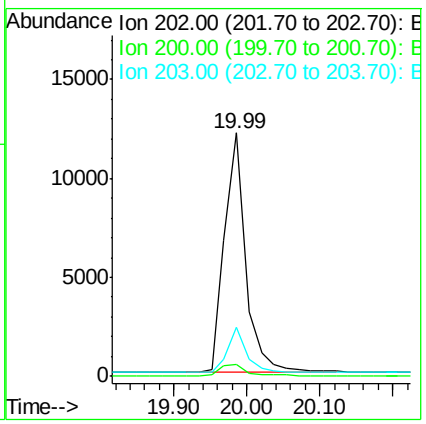




#25
Pyrene
Concen: 0.38 ng
RT: 19.99 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:202 Resp: 24440

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.2	14.0	21.0



Instrument :
BNA_E
ClientSampleId :
ICVBE082916

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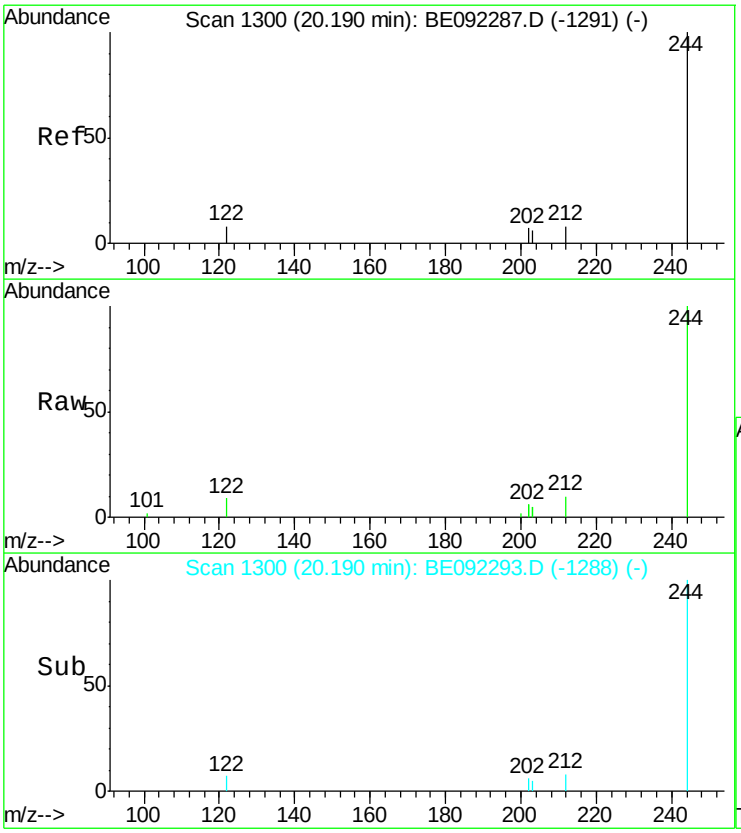
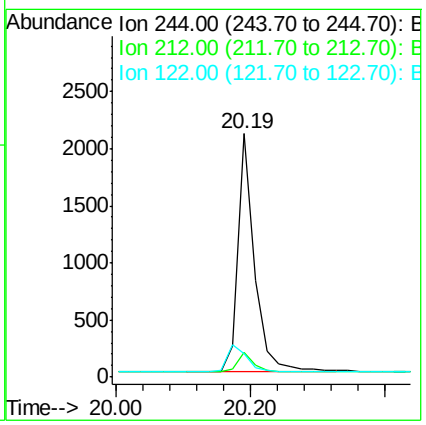
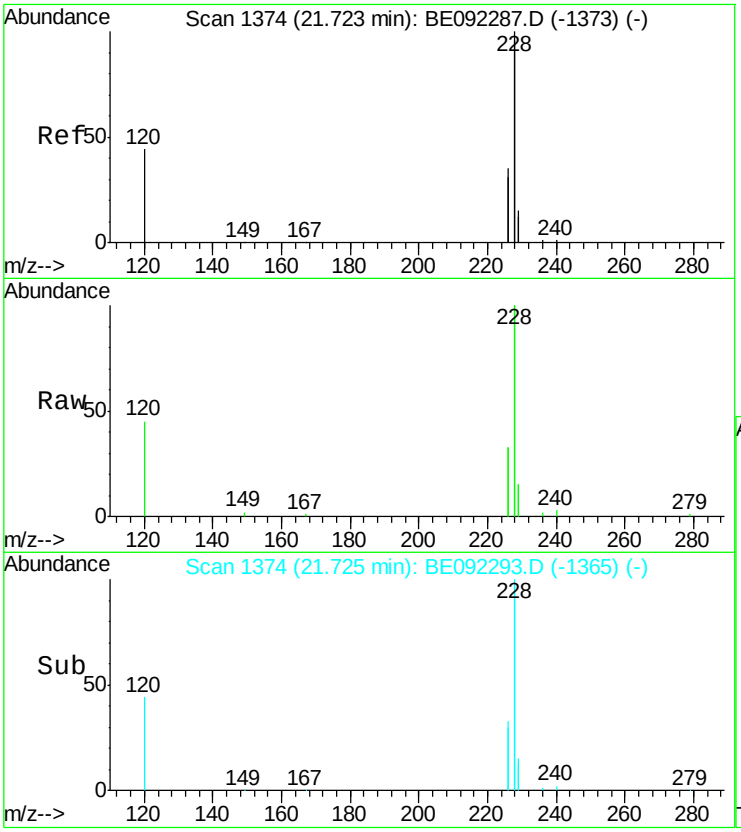


#26
Terphenyl-d14
Concen: 0.38 ng
RT: 20.19 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:244 Resp: 3583

Ion	Ratio	Lower	Upper
244	100		
212	10.2	10.2	15.2
122	9.4	15.9	23.9#





#27
Benzo(a)anthracene
Concen: 0.46 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:228 Resp: 24668

Ion	Ratio	Lower	Upper
228	100		
226	32.9	15.9	23.9#
229	15.2	22.4	33.6#

Instrument :
BNA_E
ClientSampleId :
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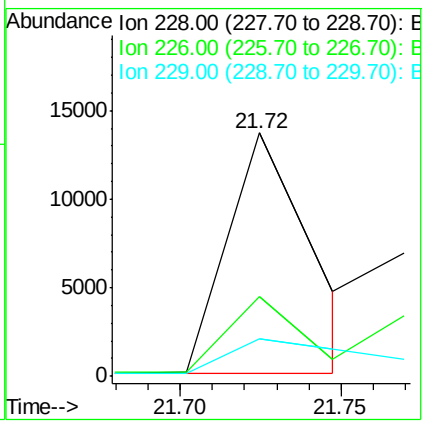
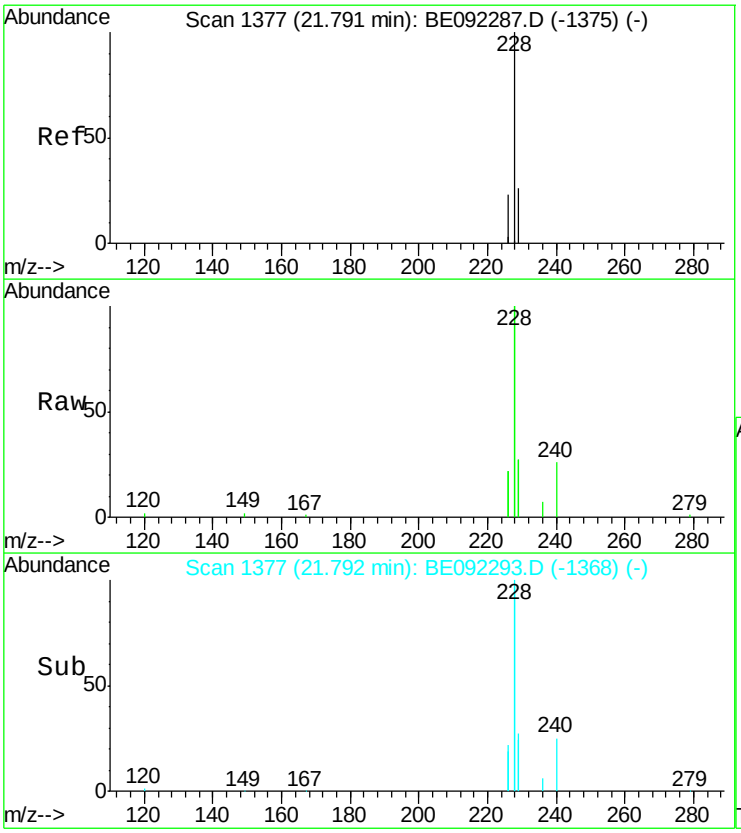
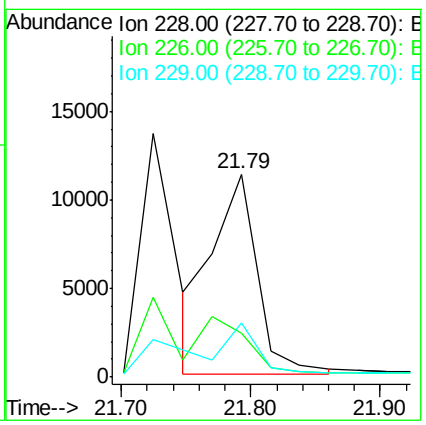


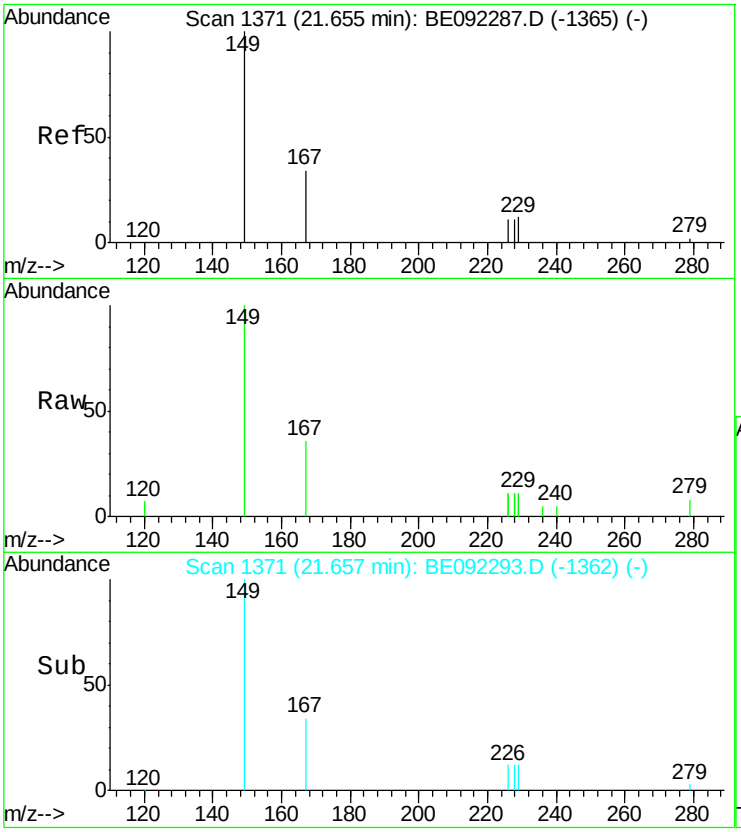


#28
Chrysene
Concen: 0.42 ng m
RT: 21.79 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:228 Resp: 27247

Ion	Ratio	Lower	Upper
228	100		
226	21.8	18.3	27.5
229	26.9	18.6	27.8





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.35 ng
RT: 21.66 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:149 Resp: 1604

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	3.0	0.0	0.0#

Instrument :
BNA_E
ClientSampleId :
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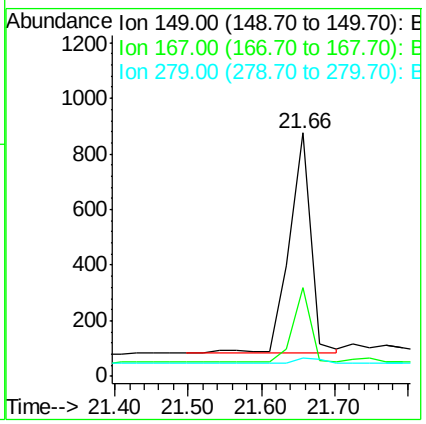
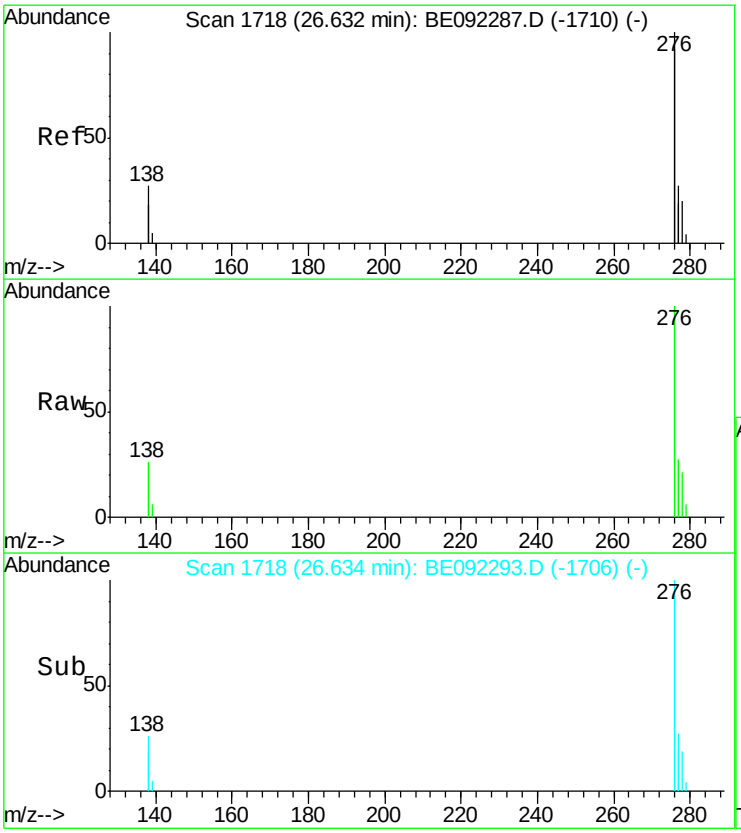
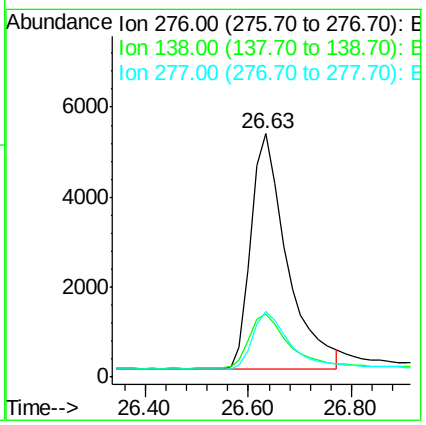


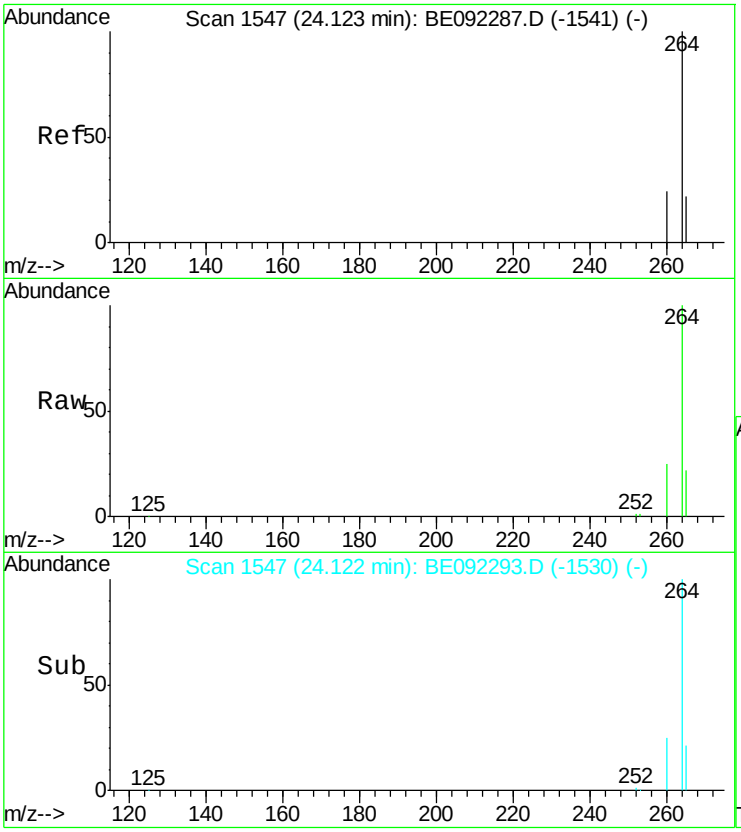


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.38 ng
RT: 26.63 min Scan# 1718
Delta R.T. 0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:276 Resp: 25298

Ion	Ratio	Lower	Upper
276	100		
138	25.2	21.3	31.9
277	24.6	19.7	29.5

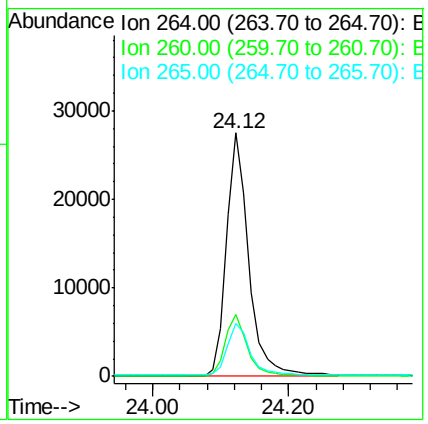




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. -0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:264 Resp: 63393

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	21.9	18.2	27.4



Instrument :
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ClientSampleId :
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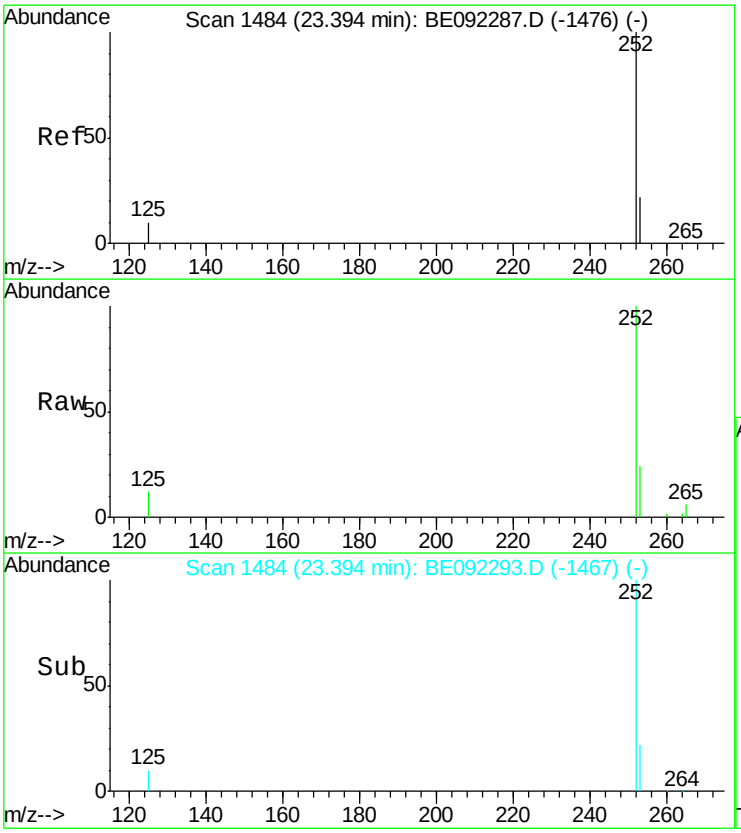
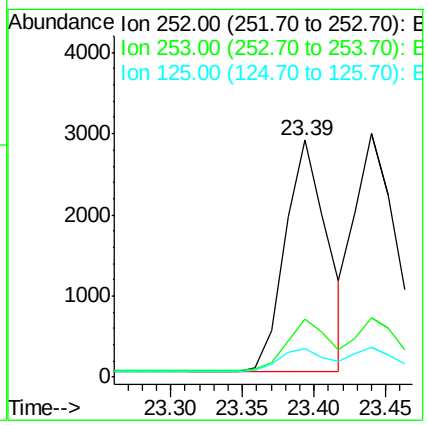
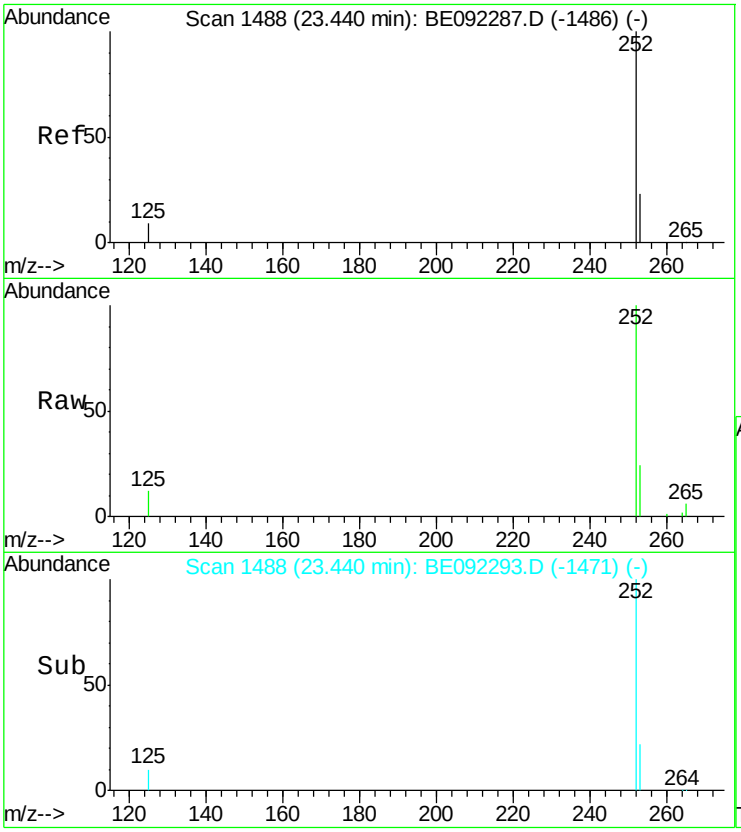


#32
Benzo(b)fluoranthene
Concen: 0.39 ng
RT: 23.39 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:252 Resp: 5833

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.0	28.4
125	11.9	10.3	15.5

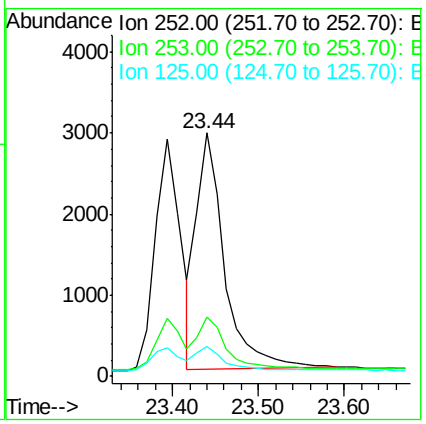




#33
Benzo(k)fluoranthene
Concen: 0.38 ng
RT: 23.44 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:252 Resp: 6555

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.0	28.6
125	12.2	10.6	15.8



Instrument :
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ClientSampleId :
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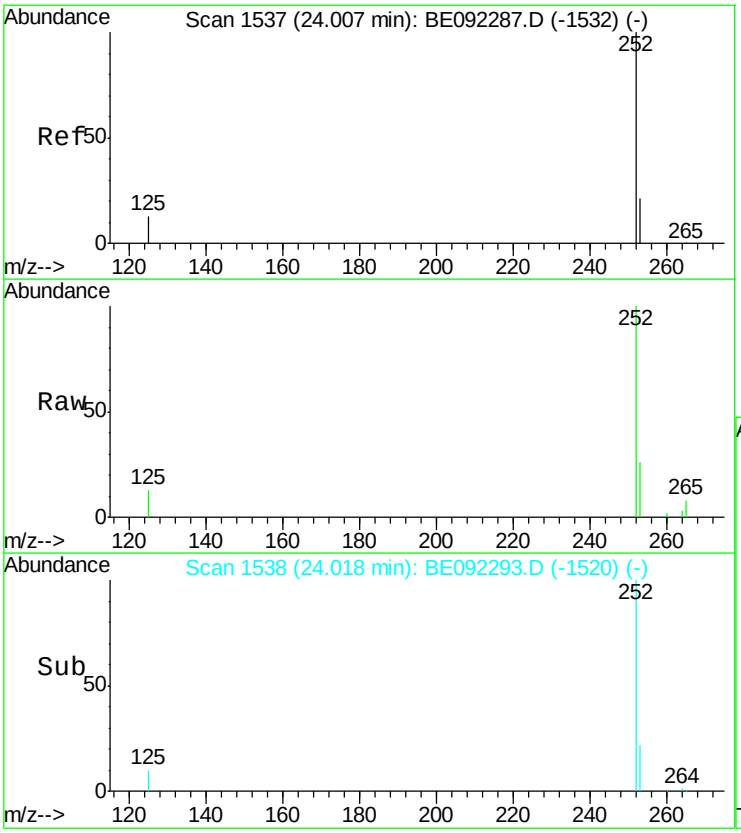
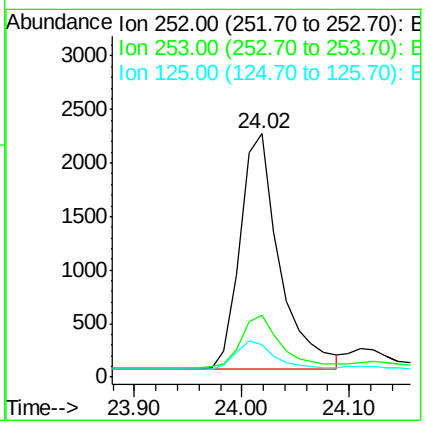
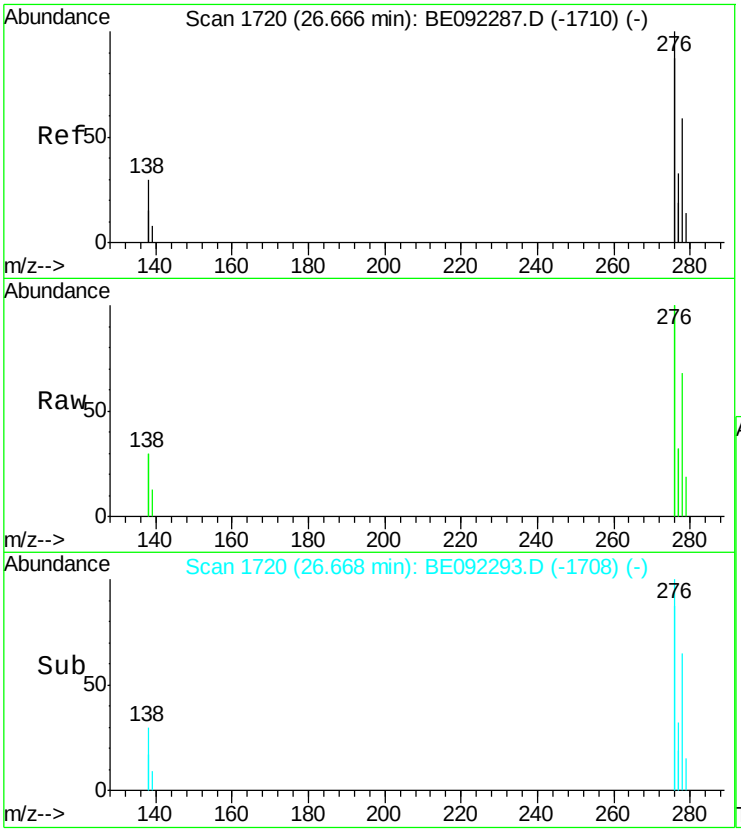


#34
Benzo(a)pyrene
Concen: 0.37 ng
RT: 24.02 min Scan# 1538
Delta R.T. 0.01 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:252 Resp: 5617

Ion	Ratio	Lower	Upper
252	100		
253	25.6	20.3	30.5
125	13.2	11.8	17.6

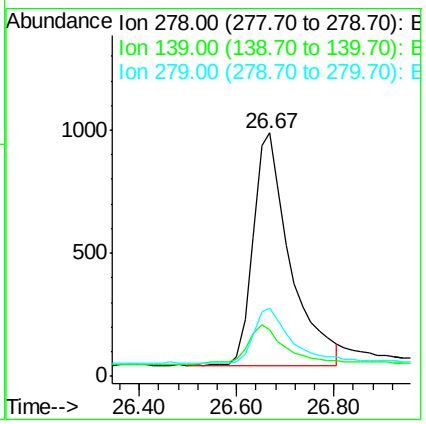




#35
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 26.67 min Scan# 1720
Delta R.T. 0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:278 Resp: 4993

Ion	Ratio	Lower	Upper
278	100		
139	18.9	16.2	24.2
279	28.1	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
ICVBE082916

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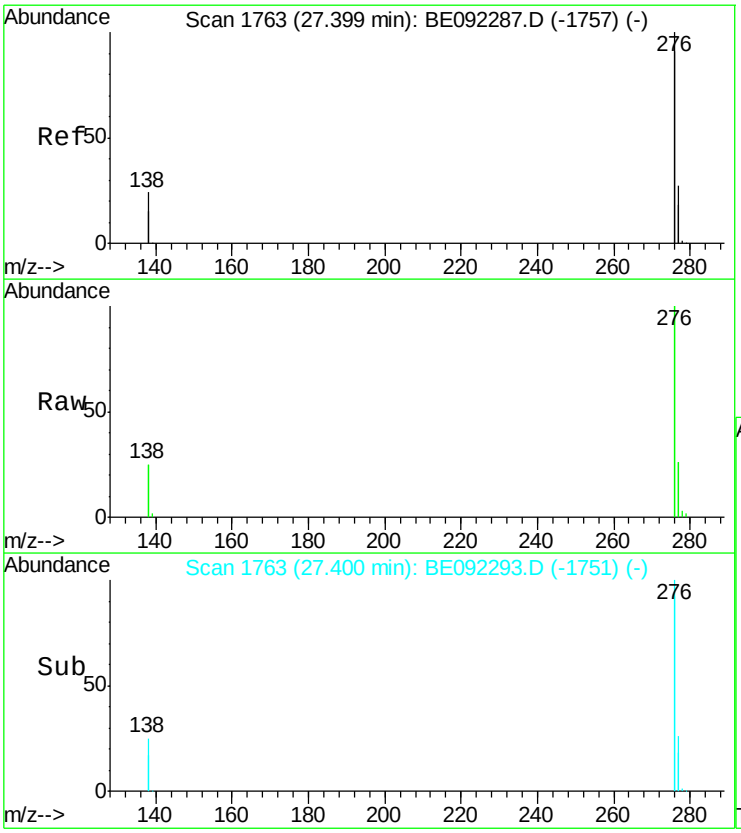

#36
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 27.40 min Scan# 1763
Delta R.T. 0.00 min
Lab File: BE092293.D
Acq: 29 Aug 2016 17:37

Tgt Ion:276 Resp: 22768

Ion	Ratio	Lower	Upper
276	100		
277	25.7	21.4	32.2
138	24.7	19.4	29.2