Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092616\
Data File : BE092429.D
Acq On : 26 Sep 2016 16:57
Operator : UM/SJ
Sample : H4818-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER2016-06-QT4

Manual Integrations APPROVED
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Quant Time: Sep 26 17:48:42 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	11618	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	47563	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	29708	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	54389	5.00	ng		0.02
24) Chrysene-d12	21.75	240	65425	5.00	ng		0.00
31) Perylene-d12	24.12	264	64164	5.00	ng		0.04
System Monitoring Compounds							
4) 2-Fluorophenol	5.67	112	17317	6.34	ng		-0.02
5) Phenol-d6	7.34	99	21030	5.40	ng		-0.02
8) Nitrobenzene-d5	9.34	82	9308	2.79	ng		-0.02
13) 2,4,6-Tribromophenol	16.32	330	3960	3.85	ng		0.00
14) 2-Fluorobiphenyl	13.44	172	23387	3.32	ng		0.00
26) Terphenyl-d14	20.19	244	24440	3.01	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	366	0.18	ng	#	1
3) n-Nitrosodimethylamine	3.81	42	117	0.25	ng	#	2
6) bis(2-Chloroethyl)ether	7.59	93	319	0.19	ng		90
9) Naphthalene	11.01	128	1418	0.14	ng	#	87
10) Hexachlorobutadiene	11.30	225	229	0.14	ng		98
11) 2-Methylnaphthalene	12.66	142	808	0.12	ng		95
15) Acenaphthylene	14.54	152	5517	0.13	ng		99
16) Acenaphthene	14.88	154	1013	0.15	ng		90
17) Fluorene	15.88	166	1025	0.12	ng		99
19) Hexachlorobenzene	16.89	284	339	0.15	ng		98
20) Pentachlorophenol	17.30	266	50	0.23	ng	#	78
21) Phenanthrene	17.63	178	1793	0.14	ng	#	77
22) Anthracene	17.72	178	1303	0.11	ng		99
23) Fluoranthene	19.63	202	6662	0.11	ng		99
25) Pyrene	19.99	202	6946	0.12	ng		100
27) Benzo(a)anthracene	21.72	228	8154m	0.13	ng		
28) Chrysene	21.77	228	9048m	0.15	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	606m	0.11	ng		
30) Indeno(1,2,3-cd)pyrene	26.65	276	9838m	0.16	ng		
32) Benzo(b)fluoranthene	23.39	252	2001	0.13	ng	#	89
33) Benzo(k)fluoranthene	23.44	252	2176	0.13	ng	#	92
34) Benzo(a)pyrene	24.01	252	1964	0.13	ng	#	86
35) Dibenzo(a,h)anthracene	26.67	278	1758	0.13	ng	#	81
36) Benzo(g,h,i)perylene	27.42	276	8549	0.14	ng	#	89

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092616\
Data File : BE092429.D
Acq On : 26 Sep 2016 16:57
Operator : UM/SJ
Sample : H4818-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 26 17:48:42 2016
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Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER2016-06-QT4

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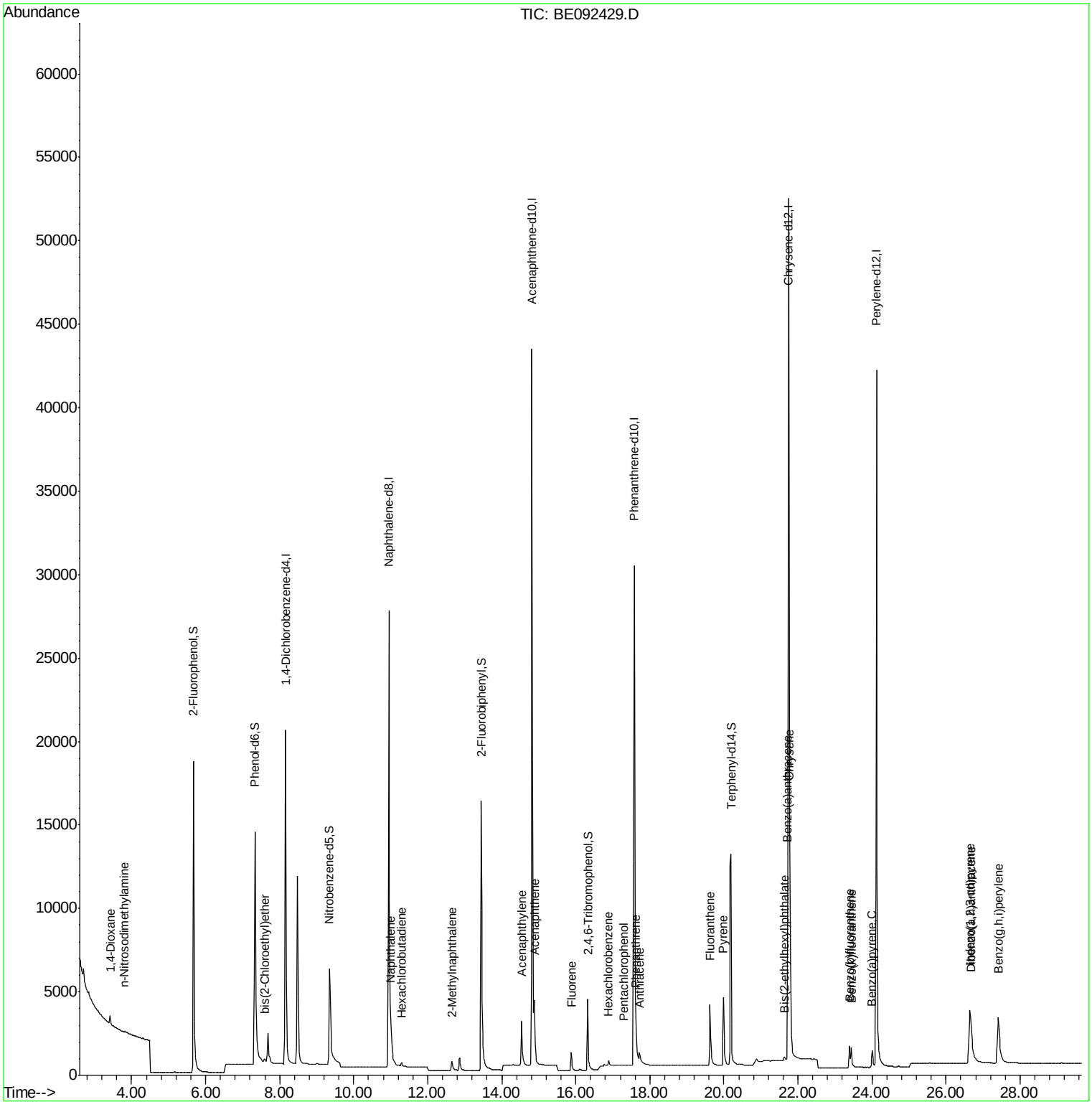
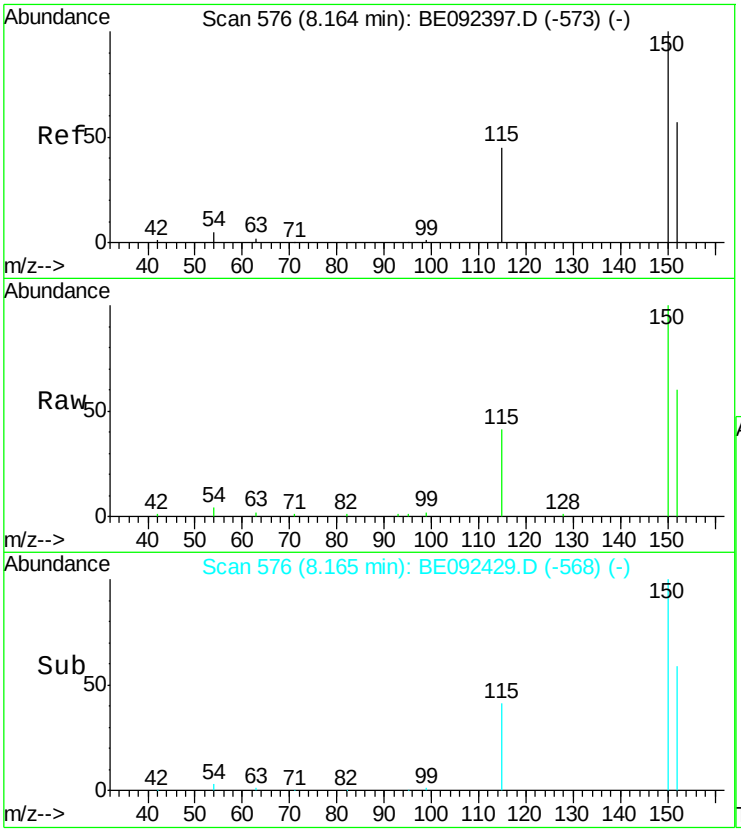
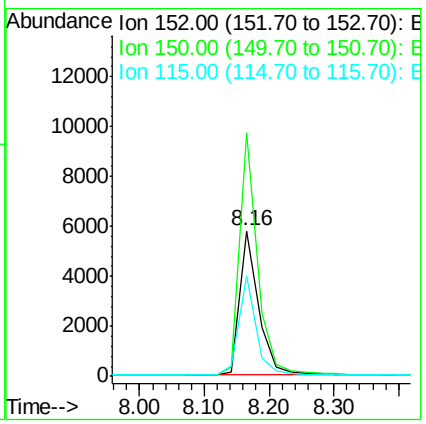




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:152 Resp: 11618

Ion	Ratio	Lower	Upper
152	100		
150	167.8	106.0	159.0#
115	69.1	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
LOQ-WATER2016-06-QT4

Manual Integrations APPROVED
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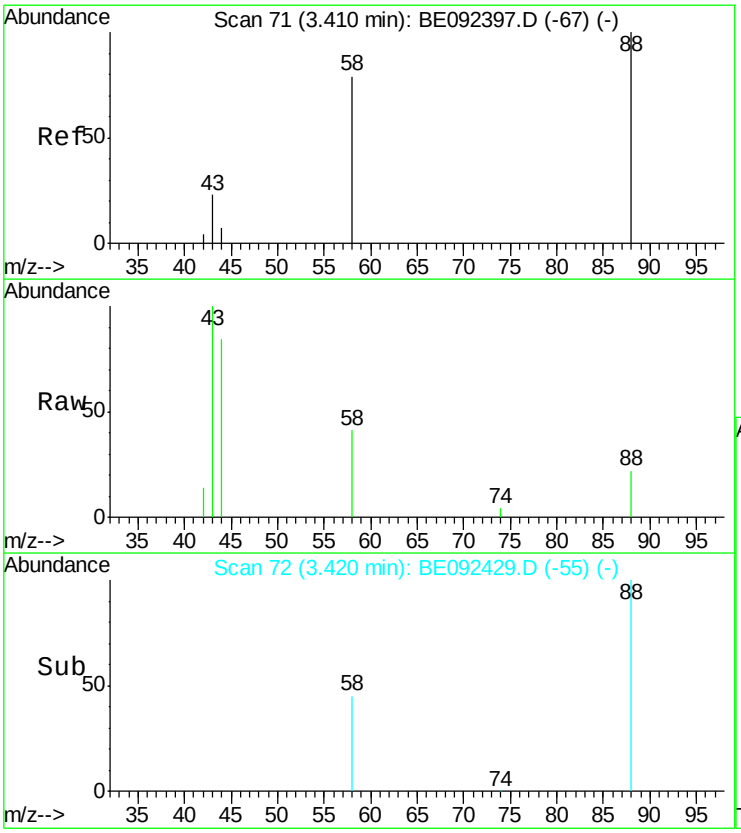
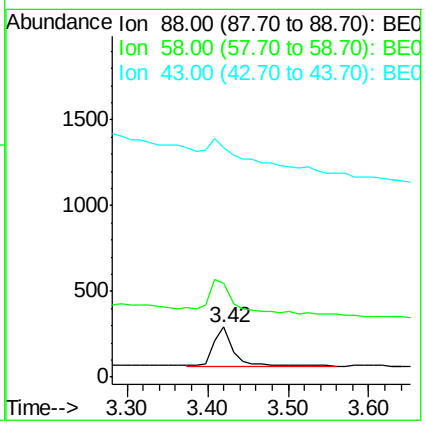
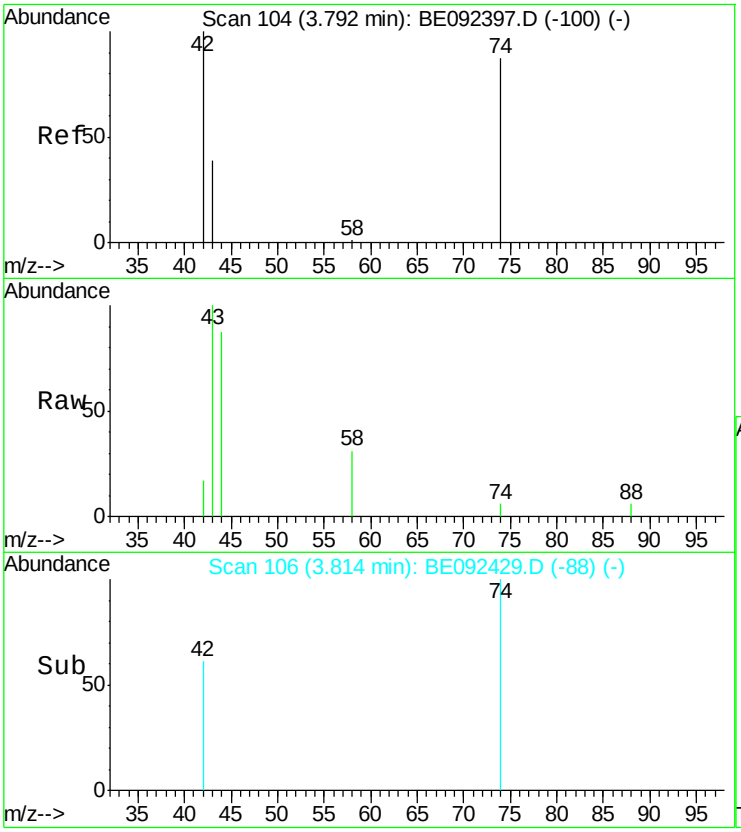


#2
1,4-Dioxane
Concen: 0.18 ng
RT: 3.42 min Scan# 72
Delta R.T. -0.00 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion: 88 Resp: 366

Ion	Ratio	Lower	Upper
88	100		
58	124.9	63.6	95.4#
43	202.2	28.0	42.0#





#3
n-Nitrosodimethylamine
Concen: 0.25 ng
RT: 3.81 min Scan# 106
Delta R.T. 0.01 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion: 42 Resp: 117

Ion	Ratio	Lower	Upper
42	100		
74	0.0	86.0	129.0#
44	0.0	5.1	7.7#

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER2016-06-QT4

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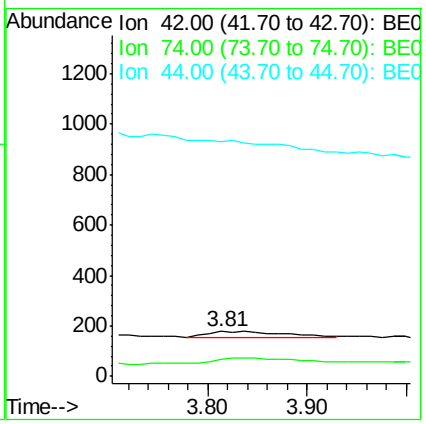
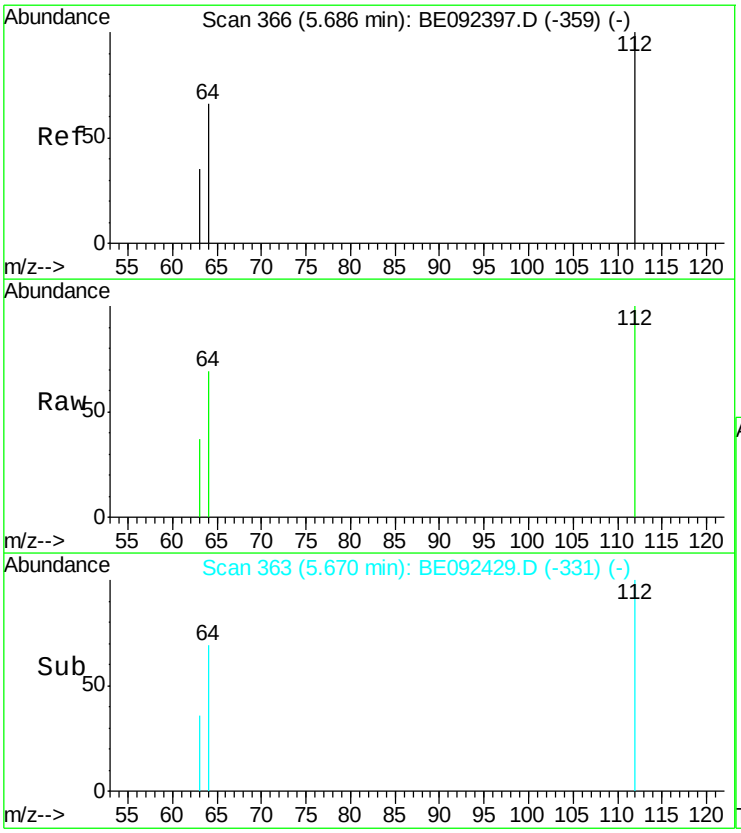
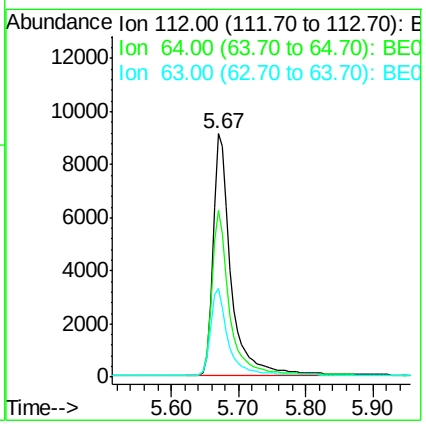


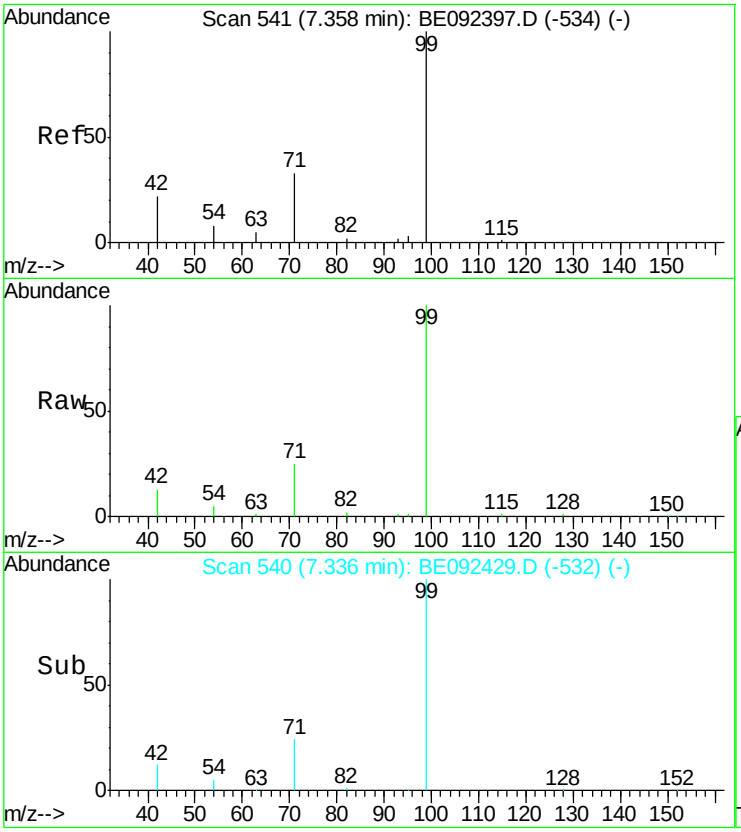


#4
2-Fluorophenol
Concen: 6.34 ng
RT: 5.67 min Scan# 363
Delta R.T. -0.02 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:112 Resp: 17317

Ion	Ratio	Lower	Upper
112	100		
64	67.2	53.5	80.3
63	36.0	27.9	41.9

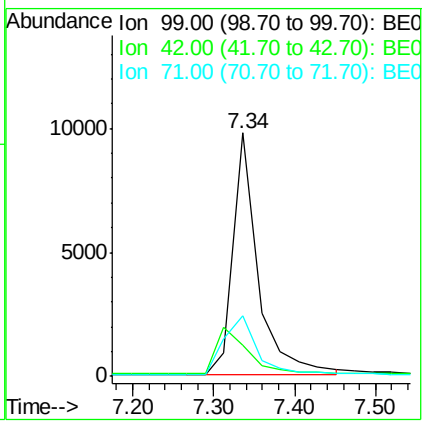




#5
Phenol-d6
Concen: 5.40 ng
RT: 7.34 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion: 99 Resp: 21030

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	33.3	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
LOQ-WATER2016-06-QT4

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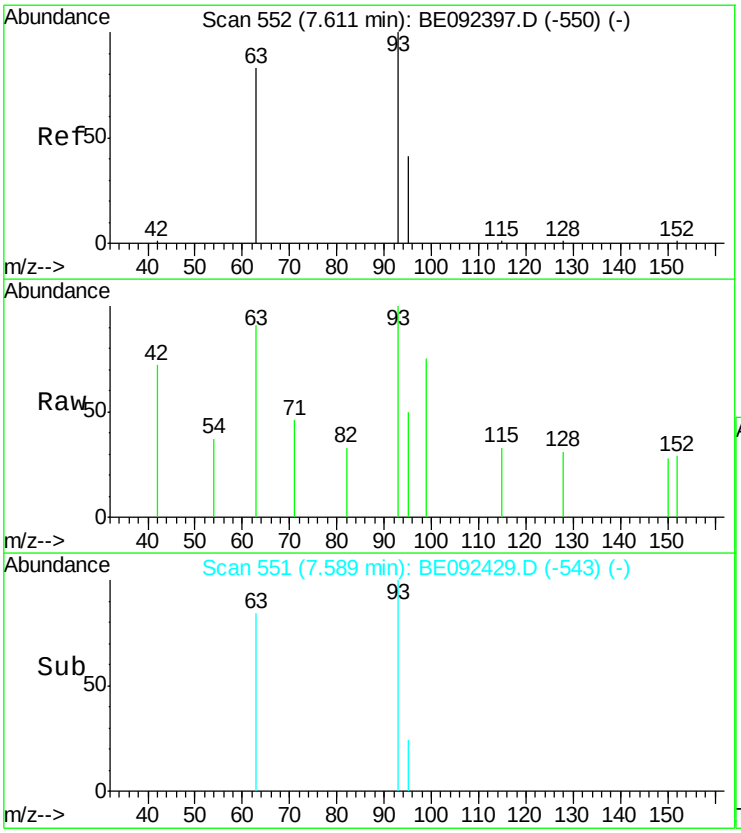
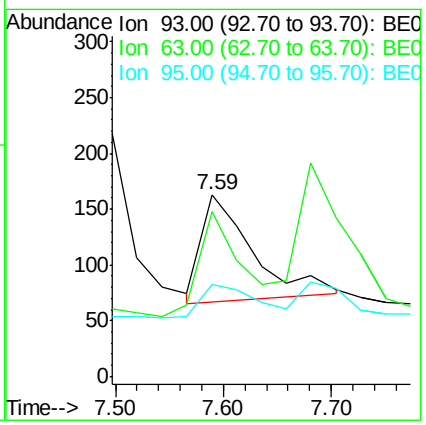
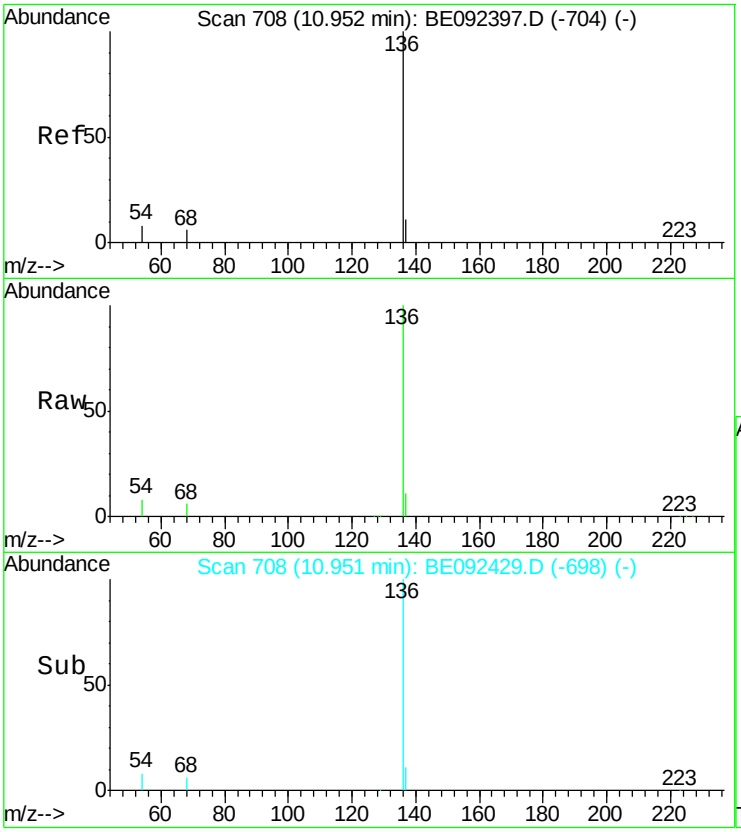


#6
bis(2-Chloroethyl)ether
Concen: 0.19 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion: 93 Resp: 319

Ion	Ratio	Lower	Upper
93	100		
63	79.0	71.6	107.4
95	32.9	24.0	36.0

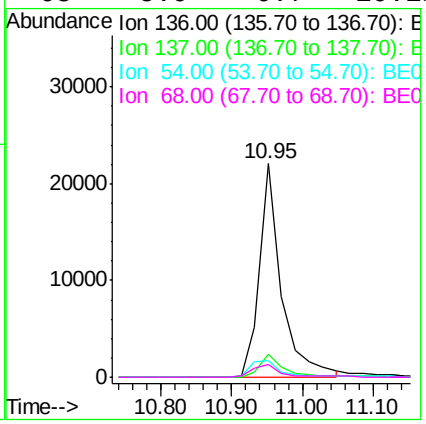




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:136 Resp: 47563

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.4
54	7.8	9.6	14.4#
68	5.9	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
LOQ-WATER2016-06-QT4

Manual Integrations APPROVED
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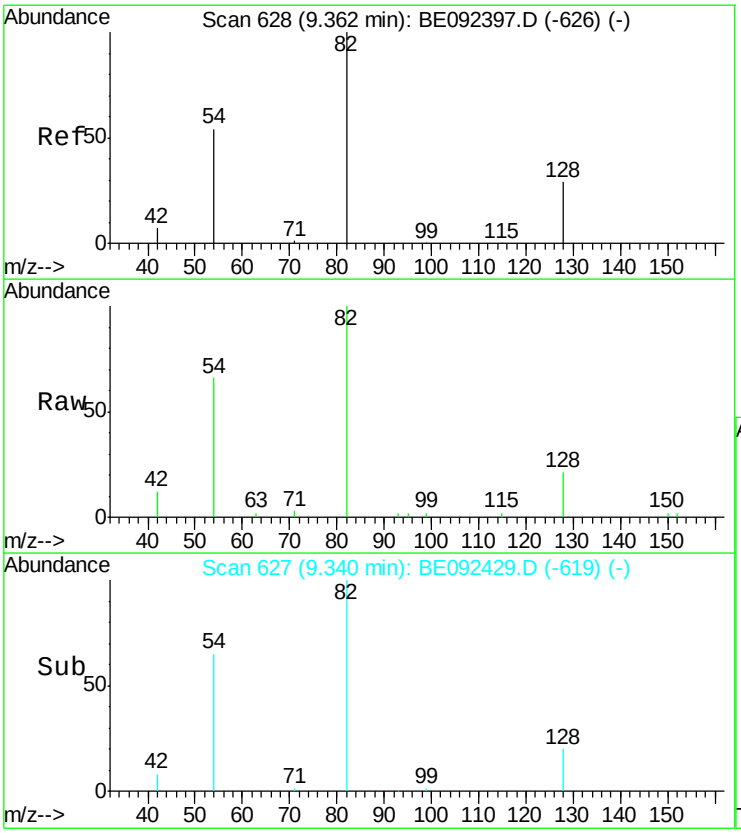
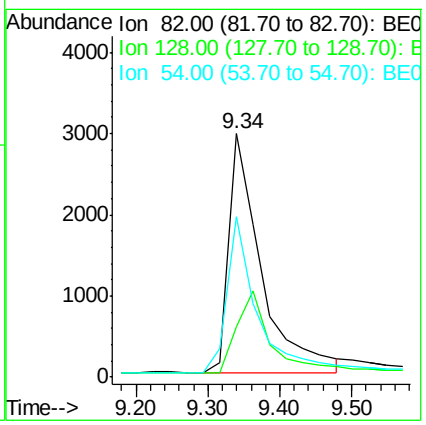
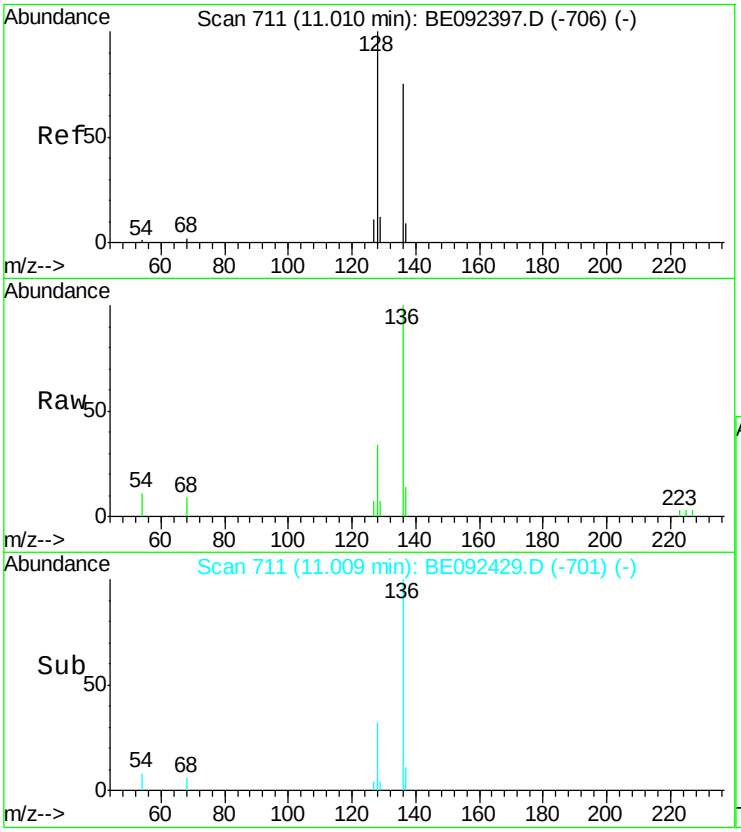


#8
Nitrobenzene-d5
Concen: 2.79 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion: 82 Resp: 9308

Ion	Ratio	Lower	Upper
82	100		
128	20.9	39.0	58.4#
54	66.0	44.8	67.2





#9
Naphthalene
Concen: 0.14 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.00 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:128 Resp: 1418

Ion	Ratio	Lower	Upper
128	100		
129	19.3	11.2	16.8#
127	19.7	11.6	17.4#

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER2016-06-QT4

Manual Integrations APPROVED
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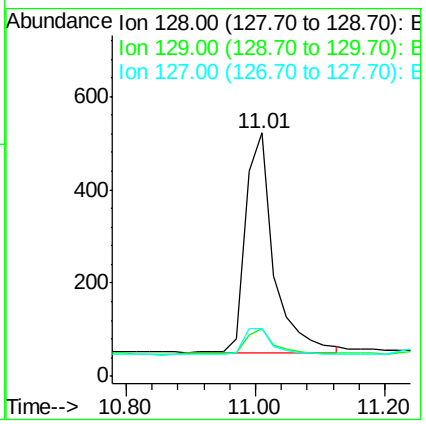
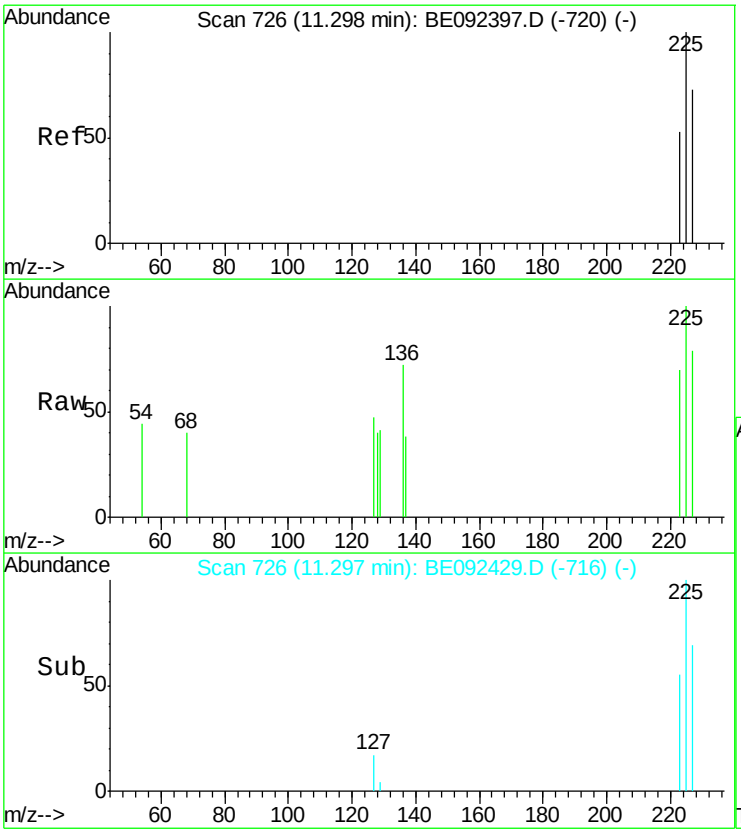
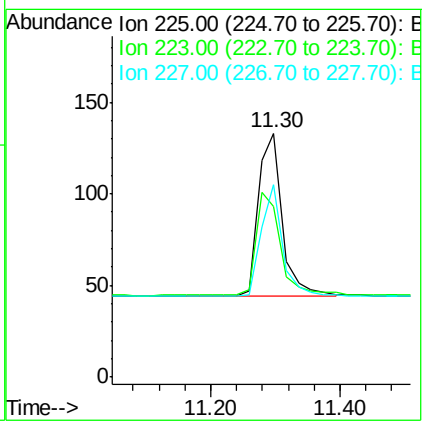


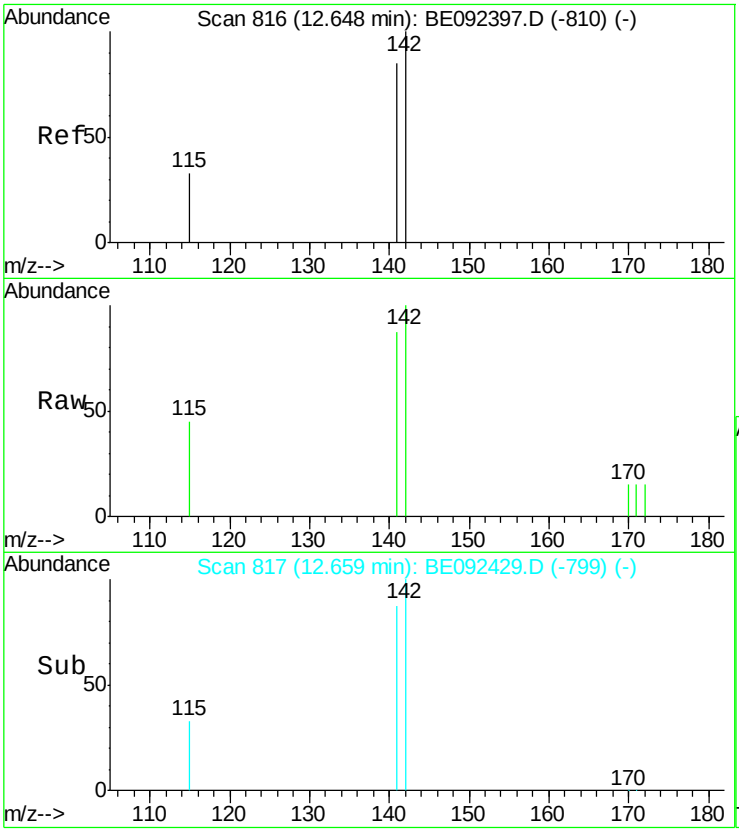


#10
Hexachlorobutadiene
Concen: 0.14 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.00 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:225 Resp: 229

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	62.0	51.4	77.0

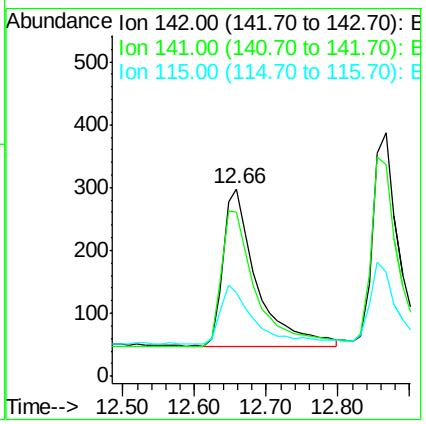




#11
2-Methylnaphthalene
Concen: 0.12 ng
RT: 12.66 min Scan# 817
Delta R.T. 0.01 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:142 Resp: 808

Ion	Ratio	Lower	Upper
142	100		
141	87.2	73.7	110.5
115	44.6	34.0	51.0



Instrument :
BNA_E
ClientSampleId :
LOQ-WATER2016-06-QT4

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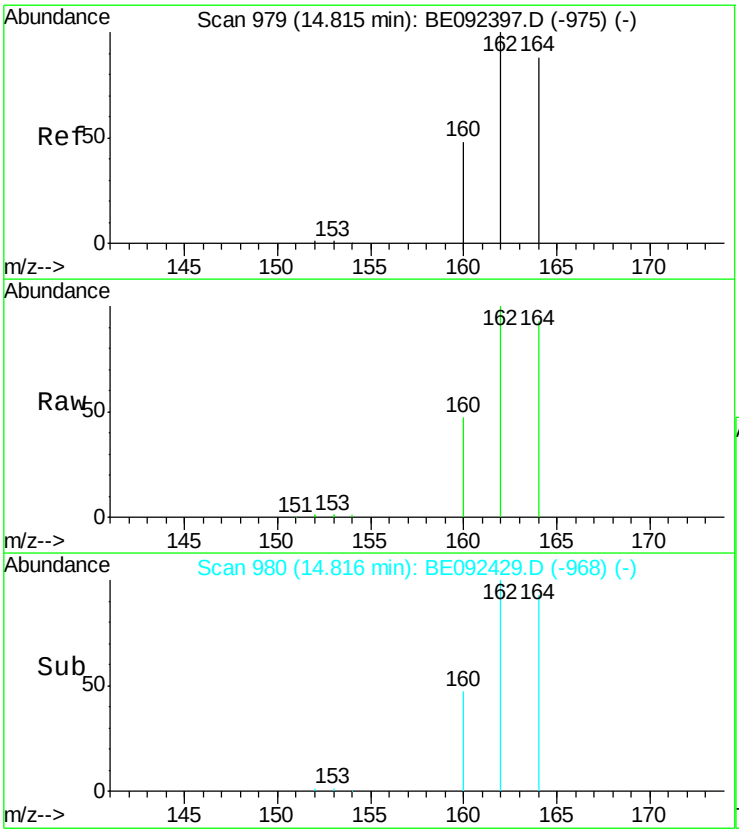
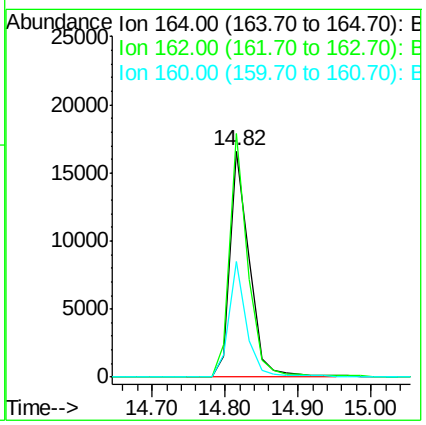
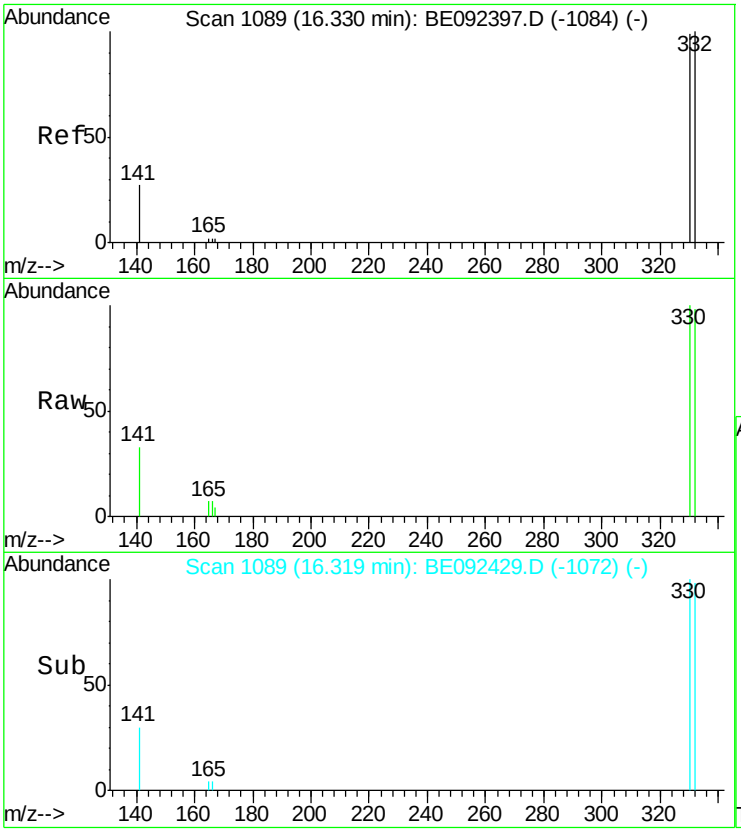


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:164 Resp: 29708

Ion	Ratio	Lower	Upper
164	100		
162	107.7	71.4	107.0#
160	51.1	27.4	41.2#





#13
2,4,6-Tribromophenol
Concen: 3.85 ng
RT: 16.32 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:330 Resp: 3960

Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.4	113.0
141	42.9	31.0	46.6

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER2016-06-QT4

Manual Integrations APPROVED
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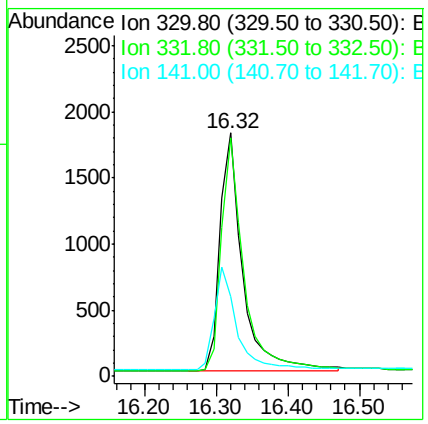
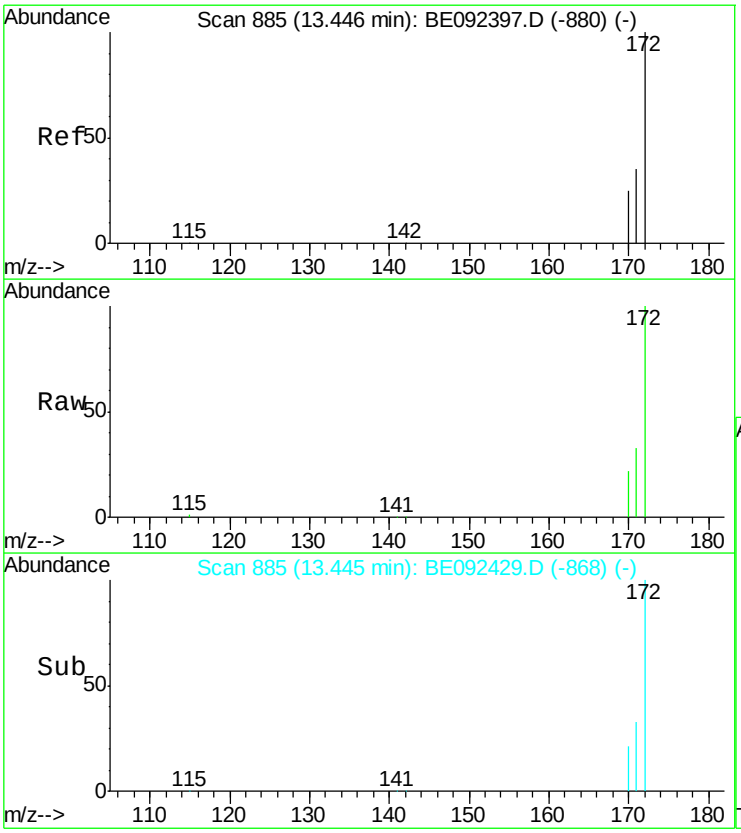
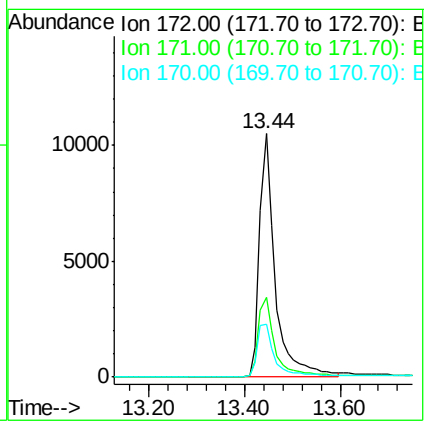


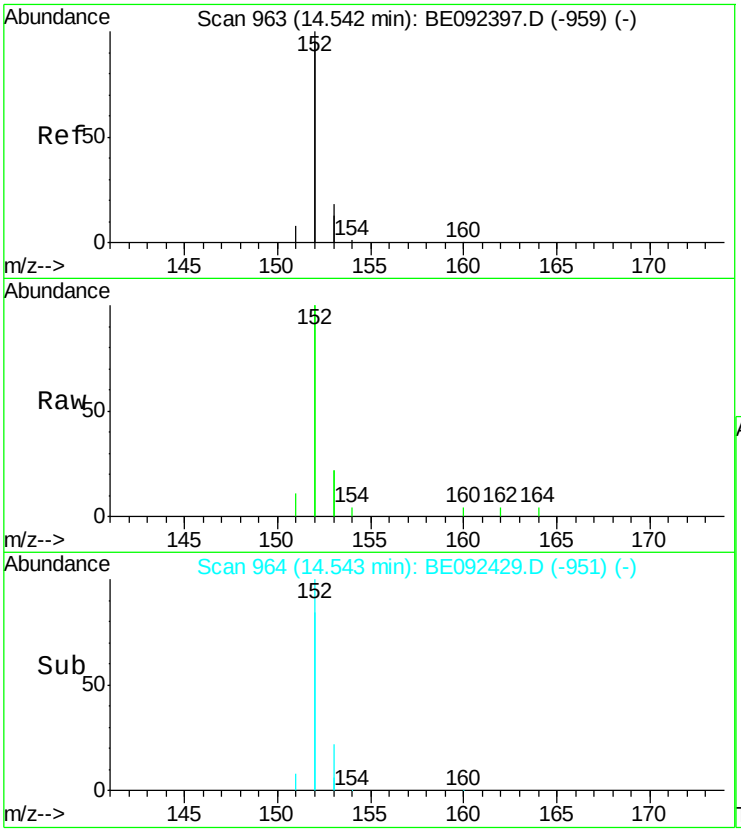


#14
2-Fluorobiphenyl
Concen: 3.32 ng
RT: 13.44 min Scan# 885
Delta R.T. -0.00 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:172 Resp: 23387

Ion	Ratio	Lower	Upper
172	100		
171	32.9	30.1	45.1
170	21.8	21.8	32.6#

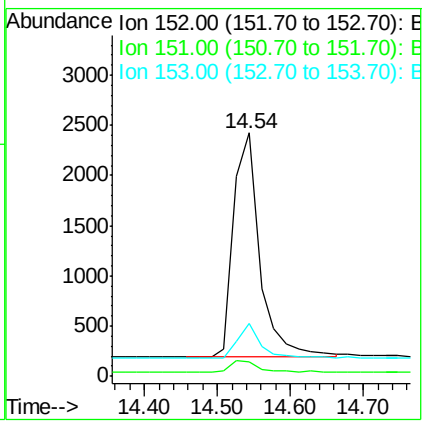




#15
Acenaphthylene
Concen: 0.13 ng
RT: 14.54 min Scan# 964
Delta R.T. 0.02 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:152 Resp: 5517

Ion	Ratio	Lower	Upper
152	100		
151	5.1	3.9	5.9
153	13.2	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
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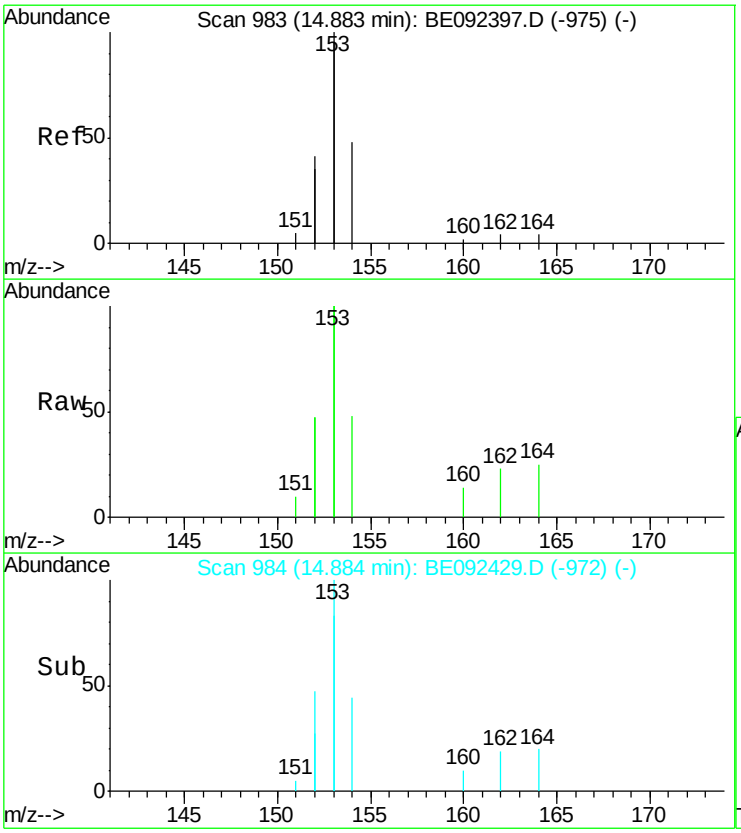
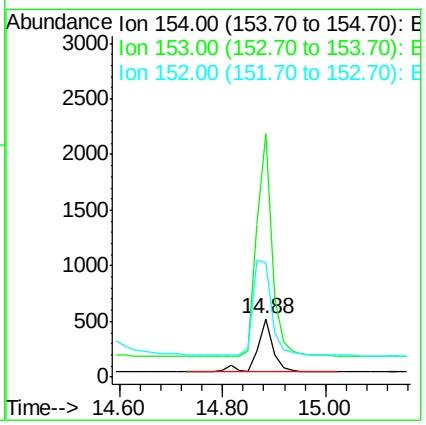
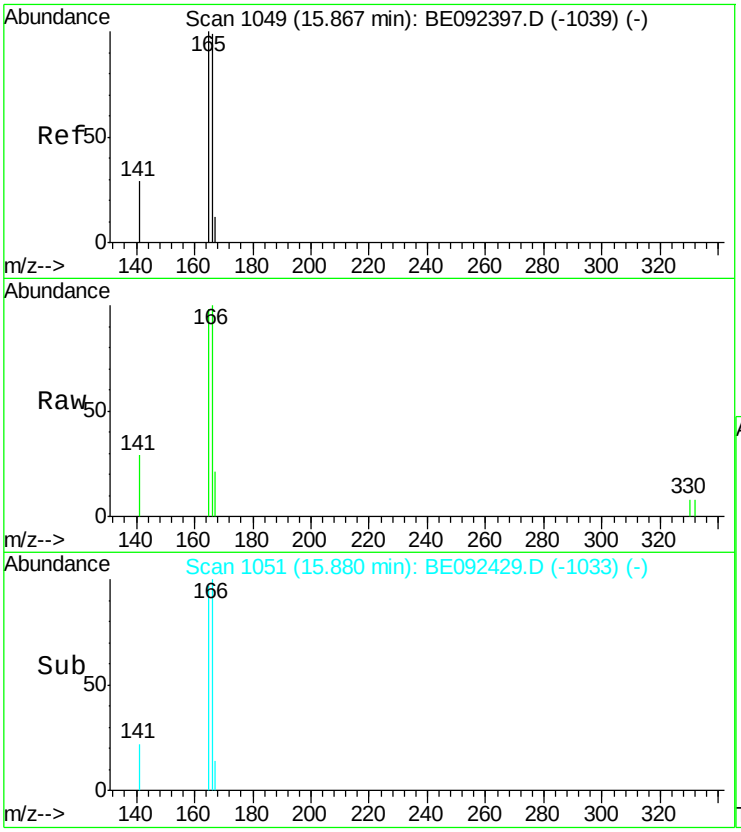


#16
Acenaphthene
Concen: 0.15 ng
RT: 14.88 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:154 Resp: 1013

Ion	Ratio	Lower	Upper
154	100		
153	406.7	350.8	526.2
152	205.8	171.1	256.7

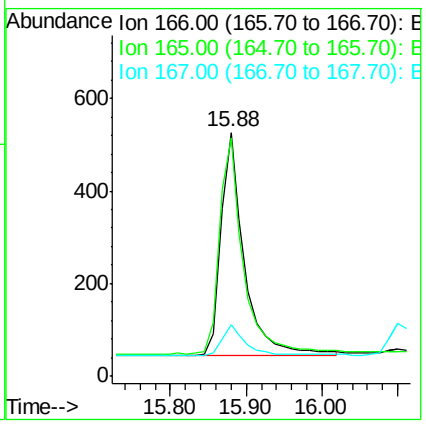




#17
Fluorene
Concen: 0.12 ng
RT: 15.88 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:166 Resp: 1025

Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.2	117.4
167	13.2	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
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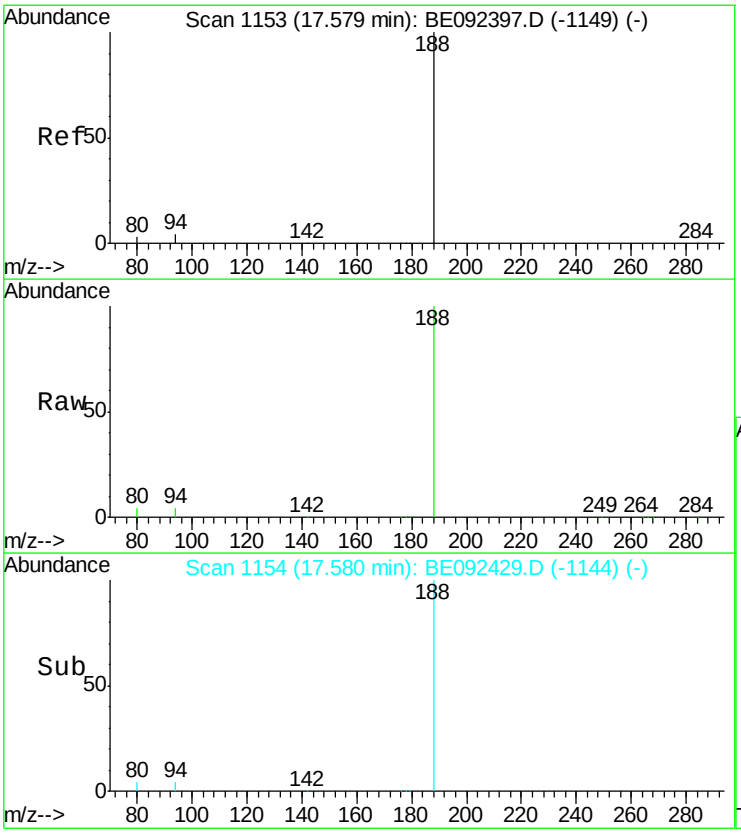
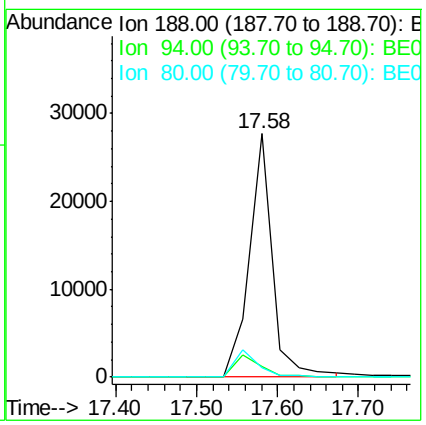
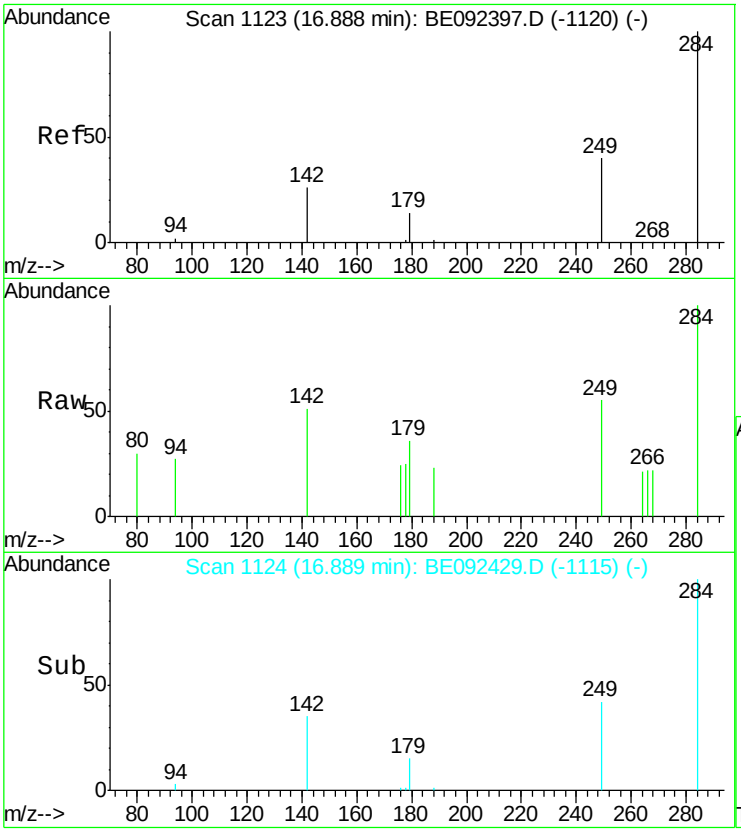


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:188 Resp: 54389

Ion	Ratio	Lower	Upper
188	100		
94	4.4	3.2	4.8
80	4.0	2.6	3.8#

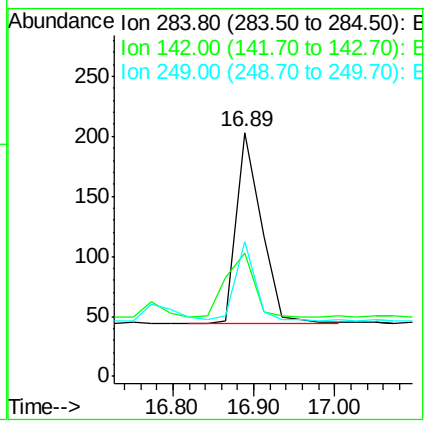




#19
Hexachlorobenzene
Concen: 0.15 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:284 Resp: 339

Ion	Ratio	Lower	Upper
284	100		
142	37.2	29.1	43.7
249	33.0	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
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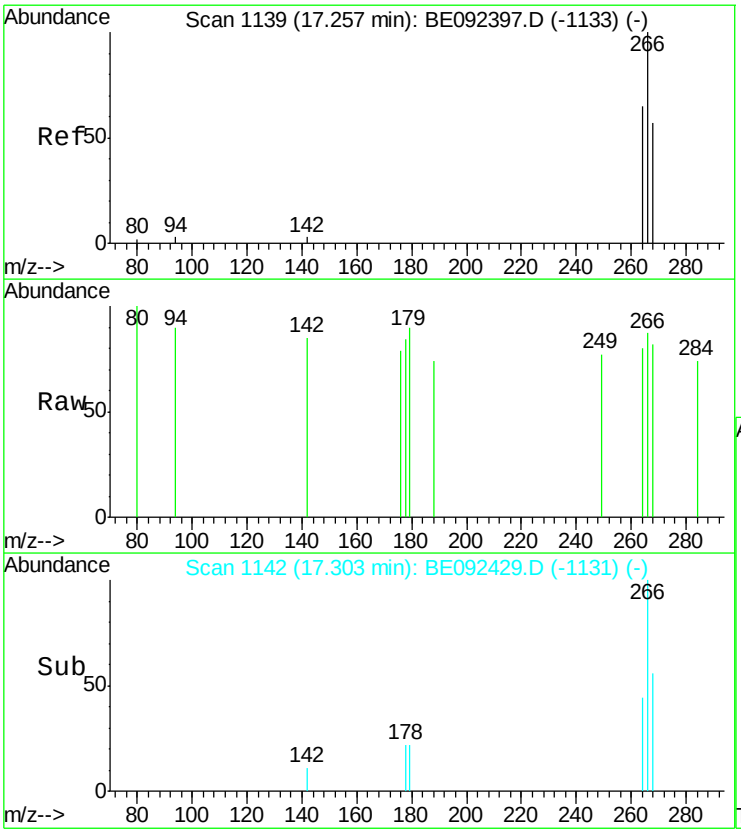
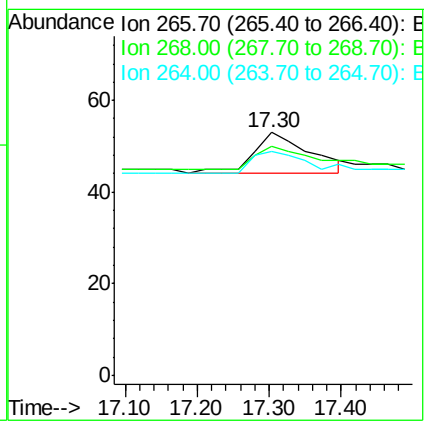
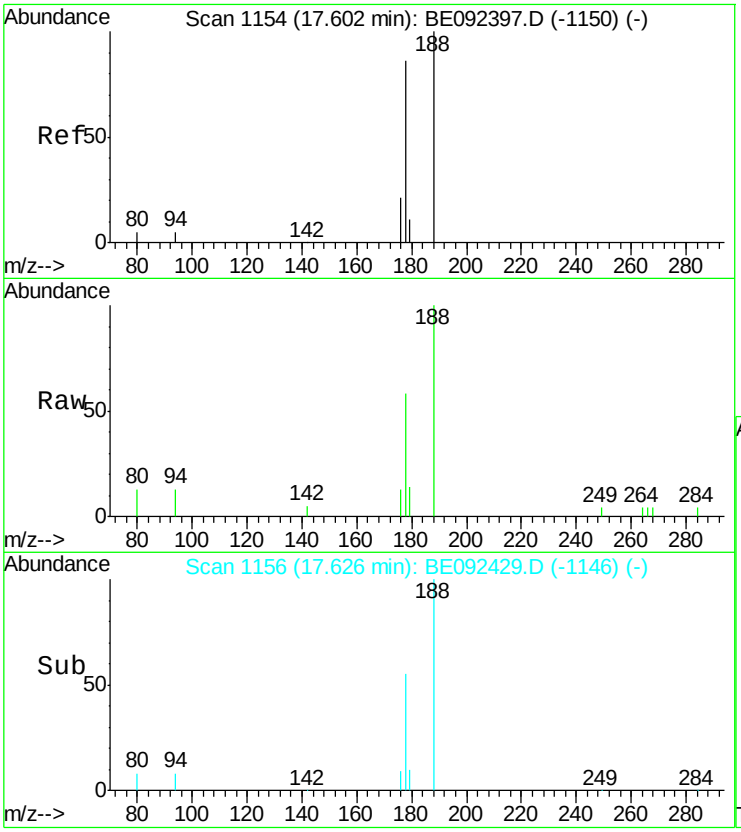


#20
Pentachlorophenol
Concen: 0.23 ng
RT: 17.30 min Scan# 1142
Delta R.T. 0.05 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:266 Resp: 50

Ion	Ratio	Lower	Upper
266	100		
268	94.3	62.5	93.7#
264	92.5	57.2	85.8#

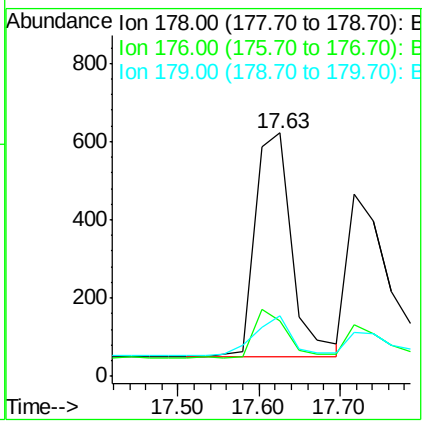




#21
Phenanthrene
Concen: 0.14 ng
RT: 17.63 min Scan# 1156
Delta R.T. 0.02 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:178 Resp: 1793

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.8	23.8#
179	18.4	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
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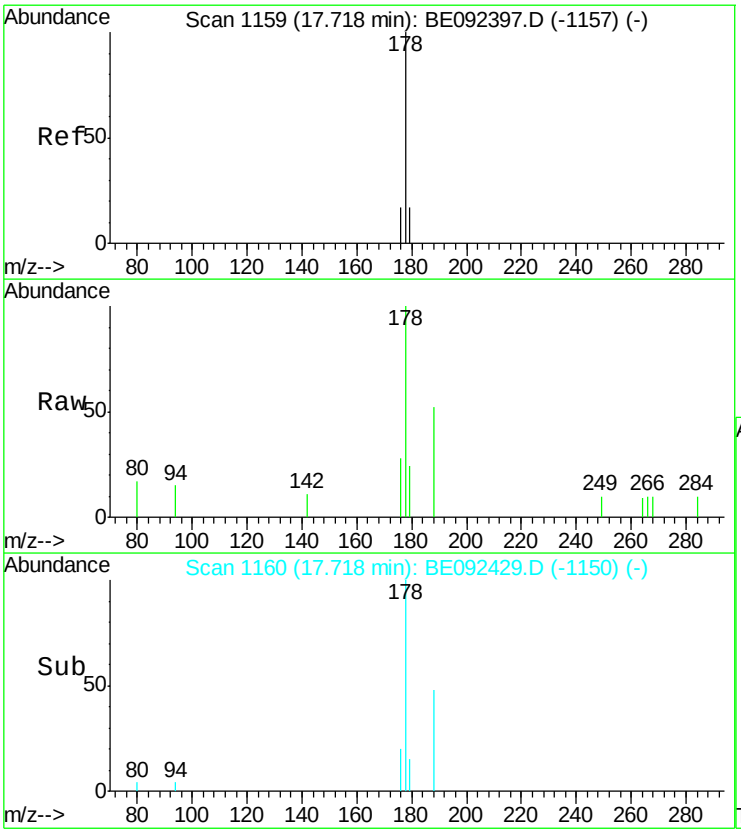
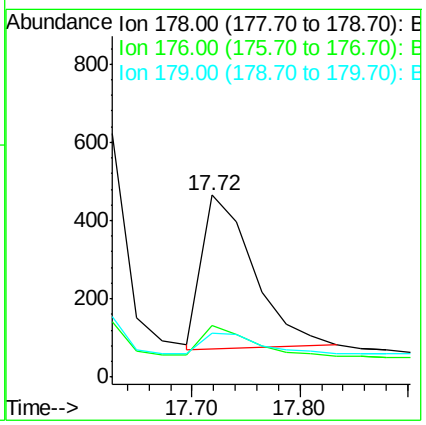
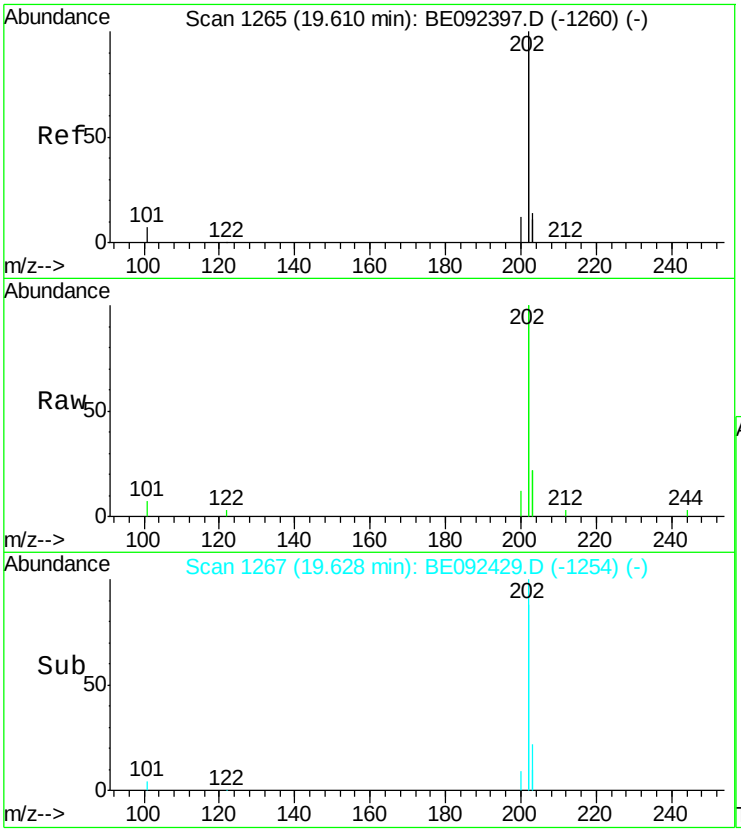


#22
Anthracene
Concen: 0.11 ng
RT: 17.72 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:178 Resp: 1303

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	15.5	12.2	18.2

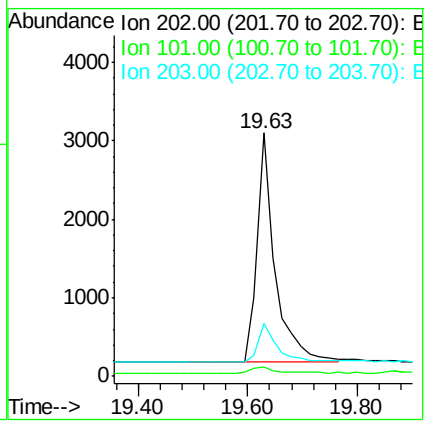




#23
Fluoranthene
Concen: 0.11 ng
RT: 19.63 min Scan# 1267
Delta R.T. 0.02 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:202 Resp: 6662

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.4	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
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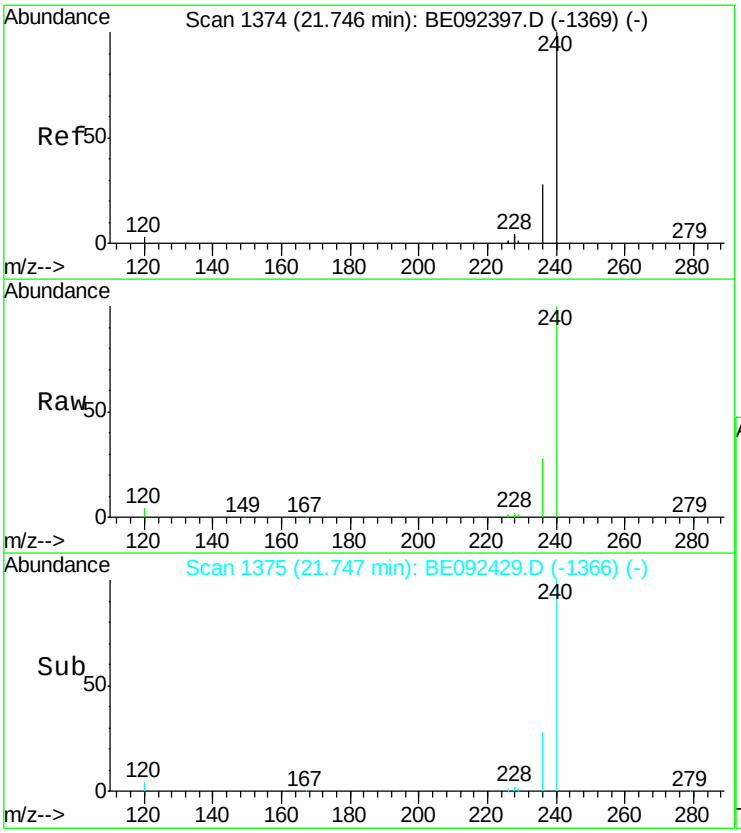
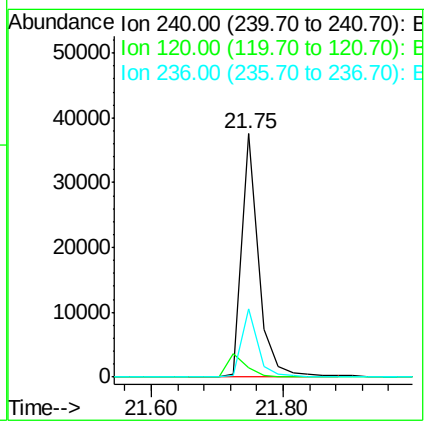
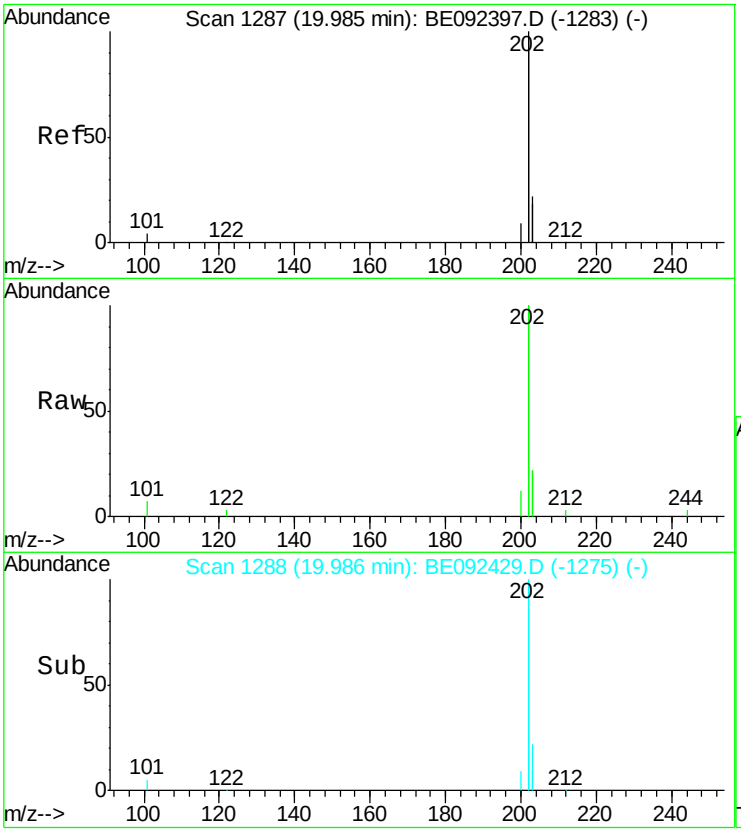


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:240 Resp: 65425

Ion	Ratio	Lower	Upper
240	100		
120	3.9	2.6	4.0
236	28.2	24.6	37.0

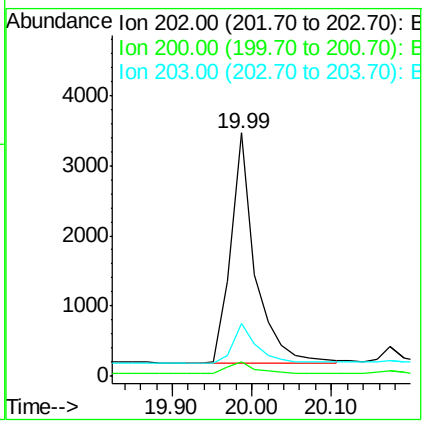




#25
Pyrene
Concen: 0.12 ng
RT: 19.99 min Scan# 1288
Delta R.T. 0.02 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:202 Resp: 6946

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.3	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
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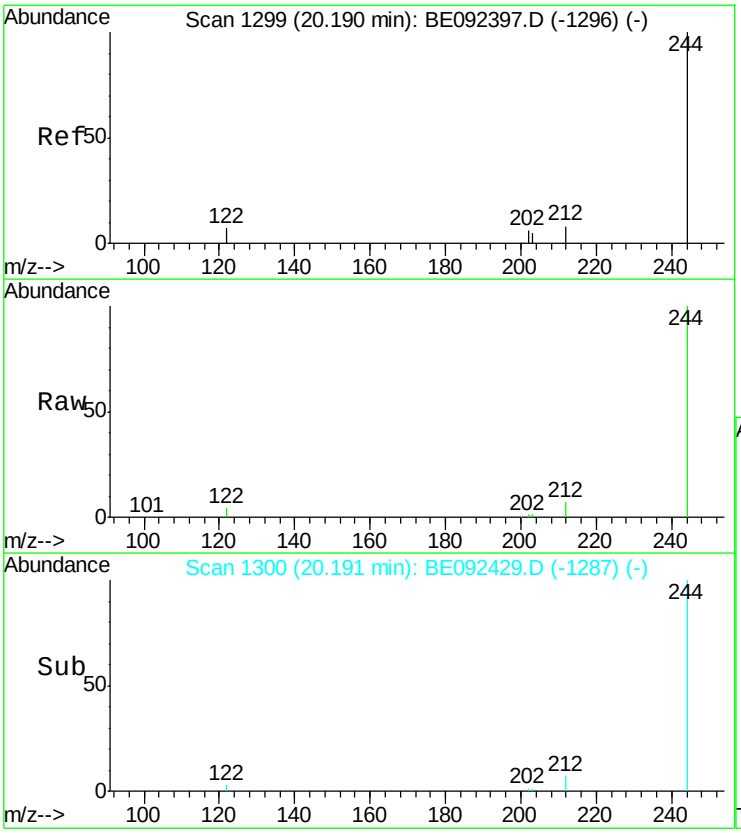
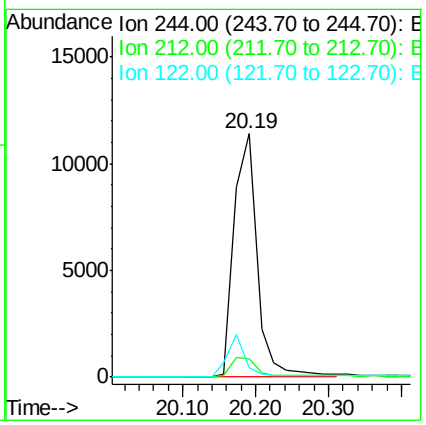
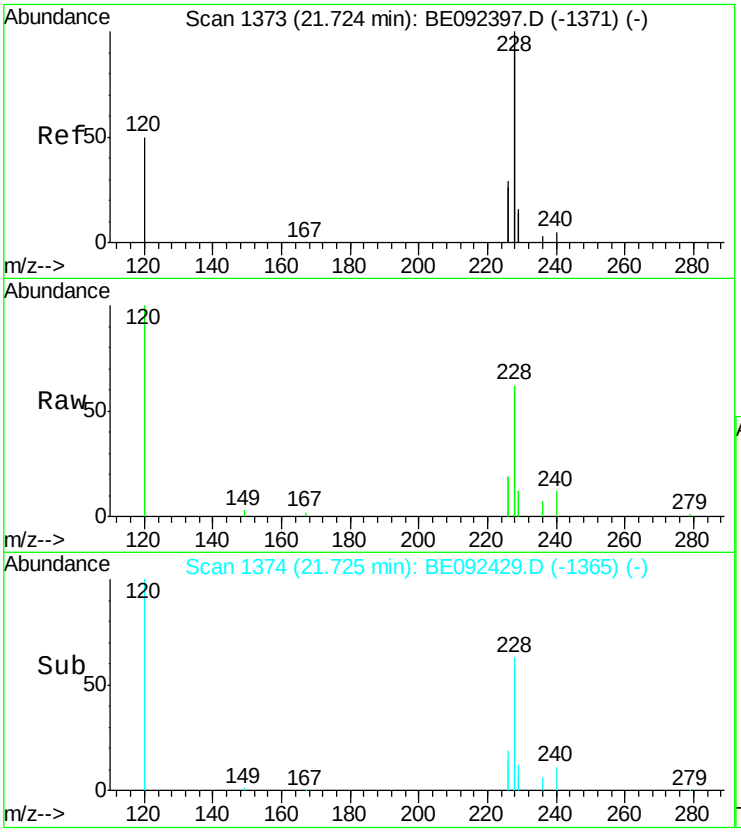


#26
Terphenyl-d14
Concen: 3.01 ng
RT: 20.19 min Scan# 1300
Delta R.T. 0.02 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:244 Resp: 24440

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.7	10.1
122	3.9	3.6	5.4

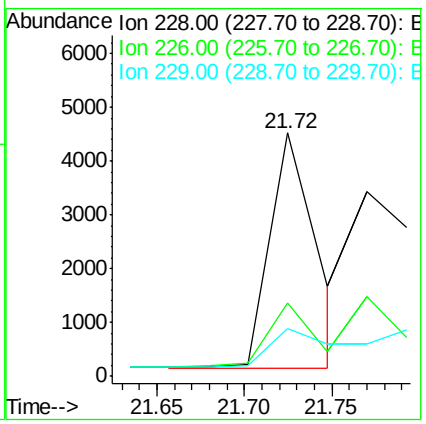




#27
Benzo(a)anthracene
Concen: 0.13 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:228 Resp: 8154

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.6	35.4
229	19.7	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
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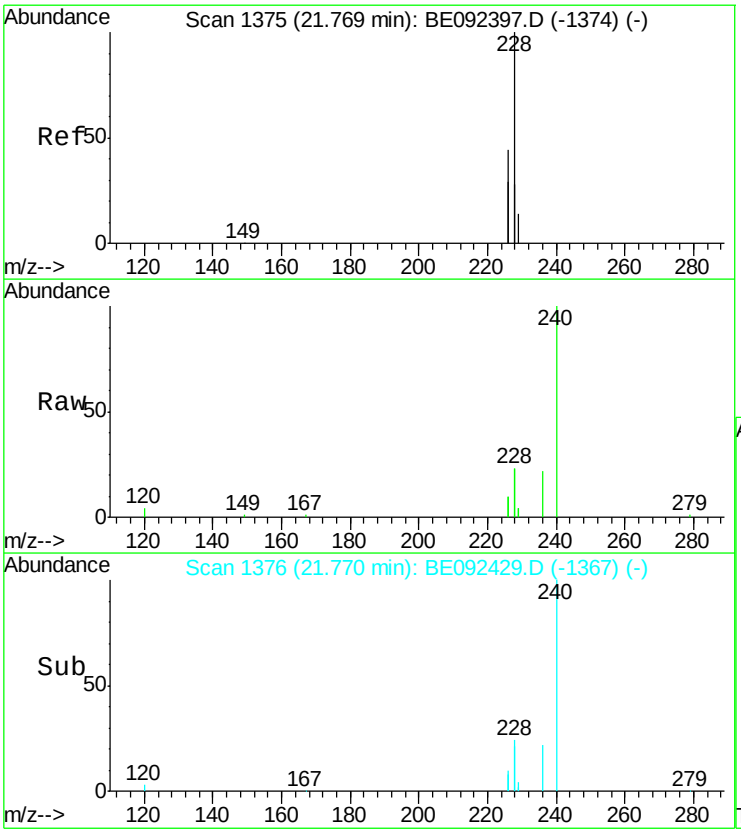
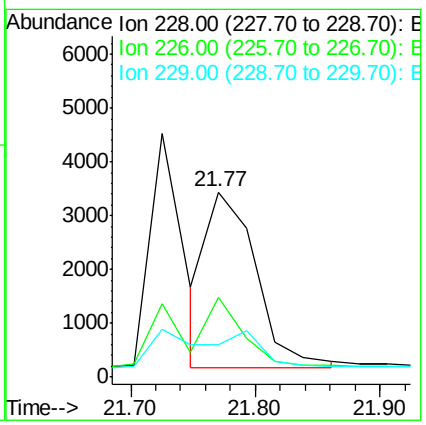
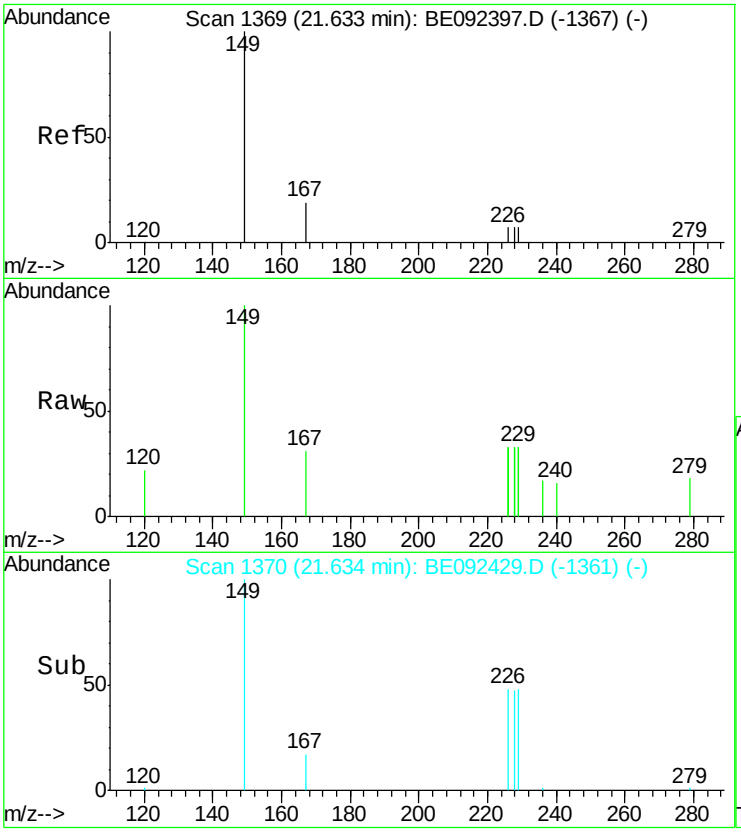


#28
Chrysene
Concen: 0.15 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:228 Resp: 9048

Ion	Ratio	Lower	Upper
228	100		
226	43.2	36.3	54.5
229	17.7	10.6	16.0#





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.11 ng m
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Instrument :
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ClientSampleId :
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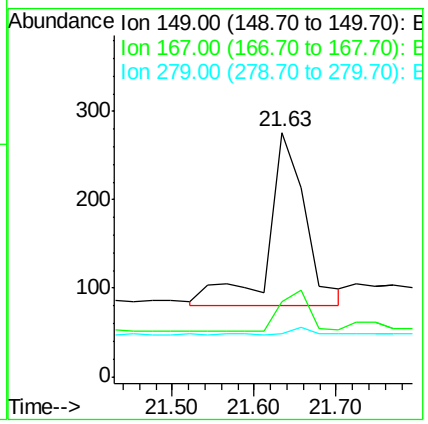
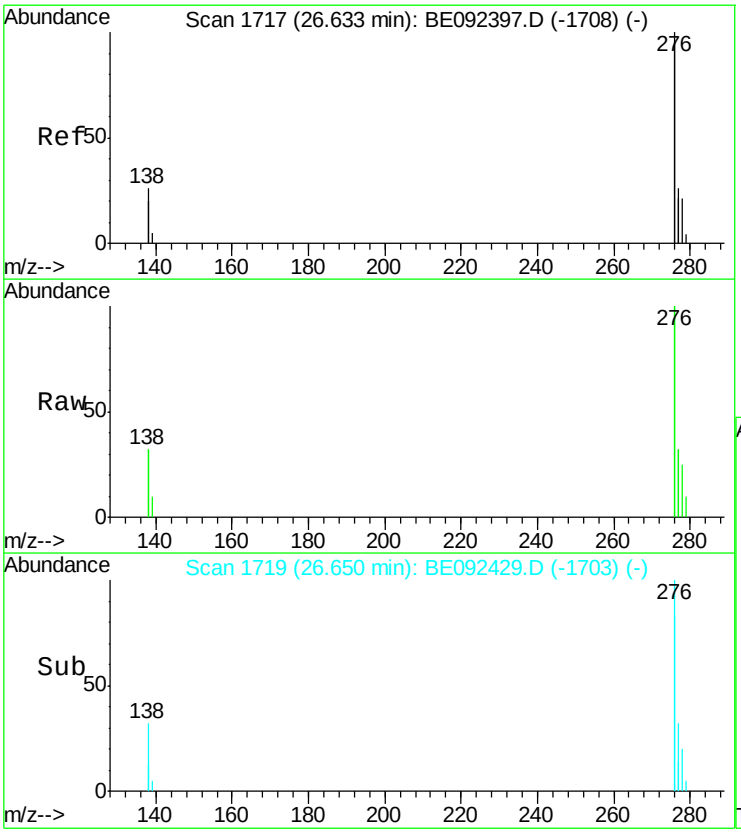
Tgt Ion:149 Resp: 606

Ion	Ratio	Lower	Upper
149	100		
167	0.0	16.0	24.0#
279	0.0	16.0	24.0#

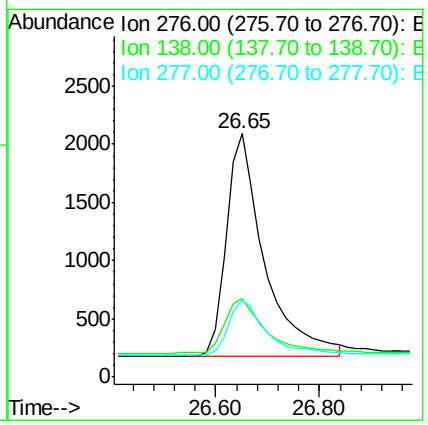


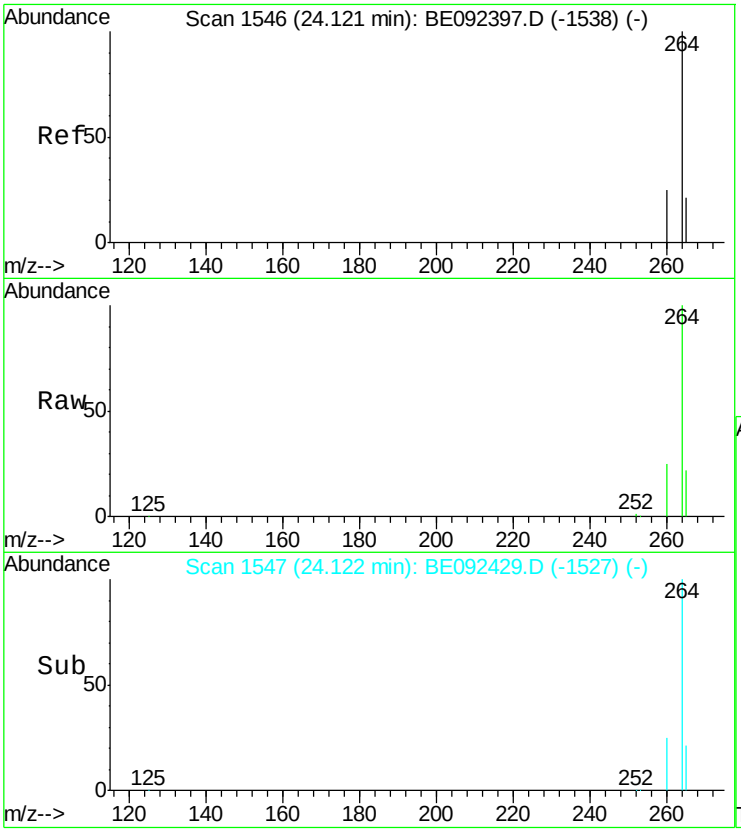


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.16 ng m
RT: 26.65 min Scan# 1719
Delta R.T. 0.07 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:276 Resp: 9838

Ion	Ratio	Lower	Upper
276	100		
138	23.7	20.3	30.5
277	21.4	19.7	29.5





#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. 0.04 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:264 Resp: 64164

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	21.8	17.9	26.9

Instrument :
BNA_E
ClientSampleId :
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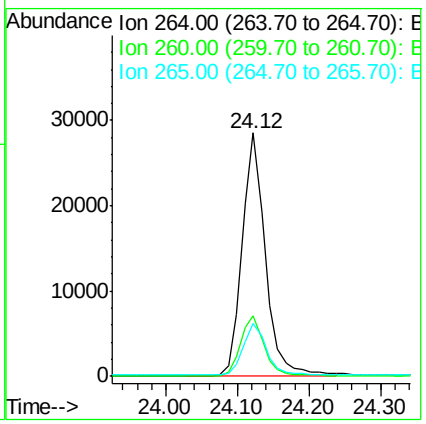
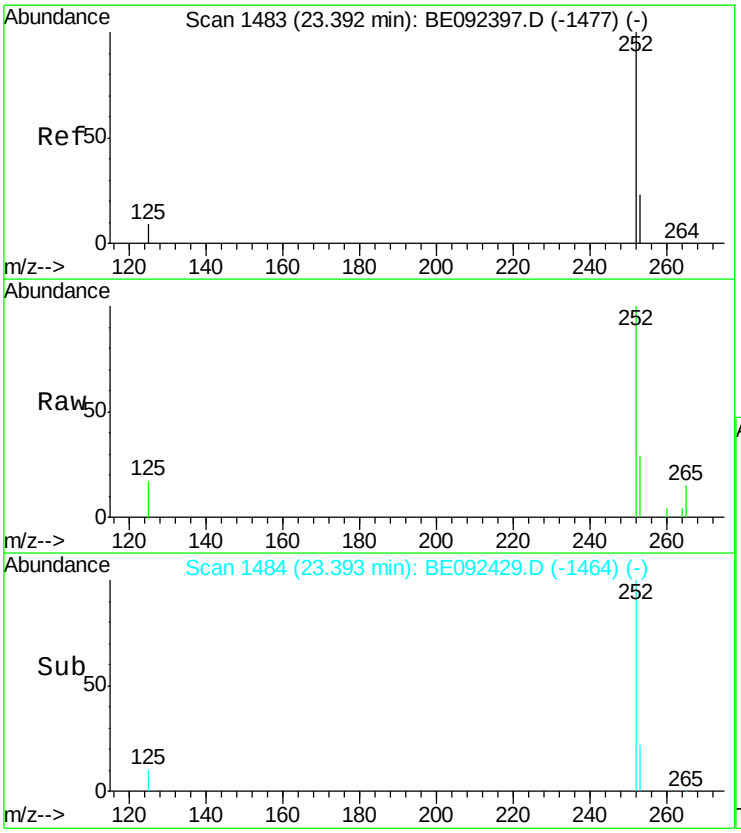
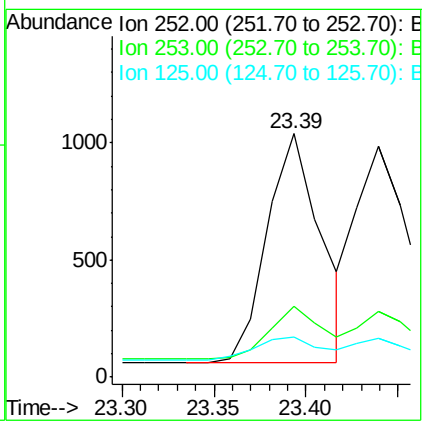


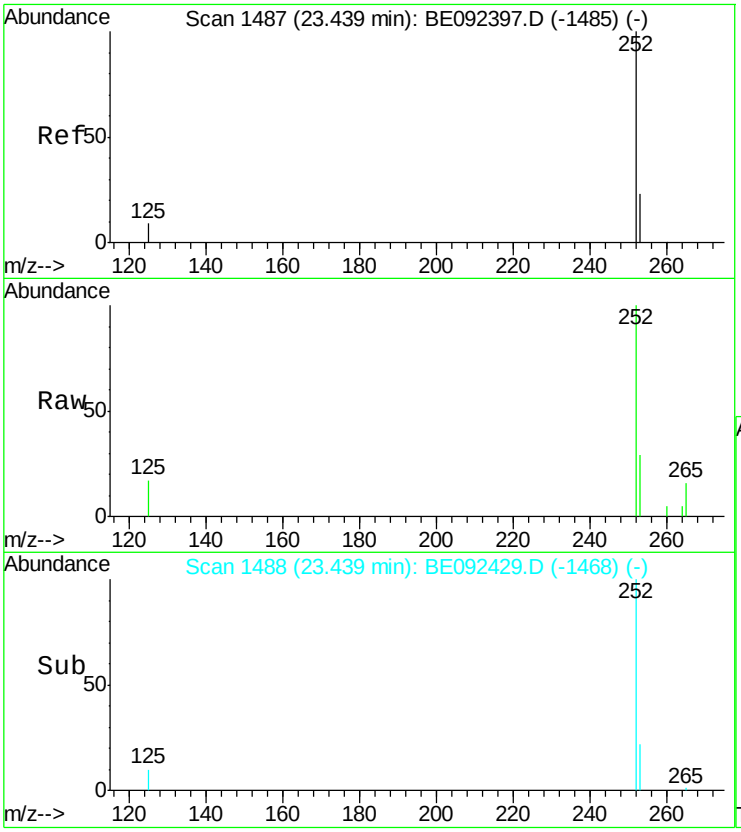


#32
Benzo(b)fluoranthene
Concen: 0.13 ng
RT: 23.39 min Scan# 1484
Delta R.T. 0.04 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:252 Resp: 2001

Ion	Ratio	Lower	Upper
252	100		
253	29.1	18.7	28.1#
125	16.7	10.5	15.7#





#33
Benzo(k)fluoranthene
Concen: 0.13 ng
RT: 23.44 min Scan# 1488
Delta R.T. 0.04 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:252 Resp: 2176

Ion	Ratio	Lower	Upper
252	100		
253	28.7	20.3	30.5
125	16.9	9.6	14.4#

Instrument :
BNA_E
ClientSampleId :
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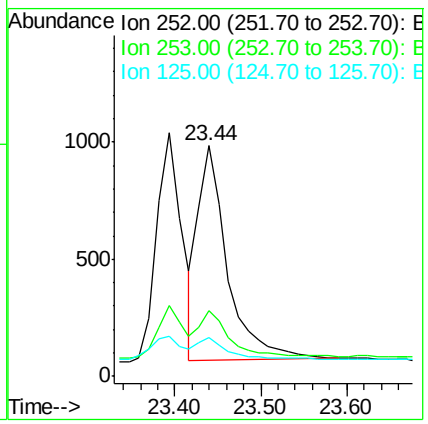
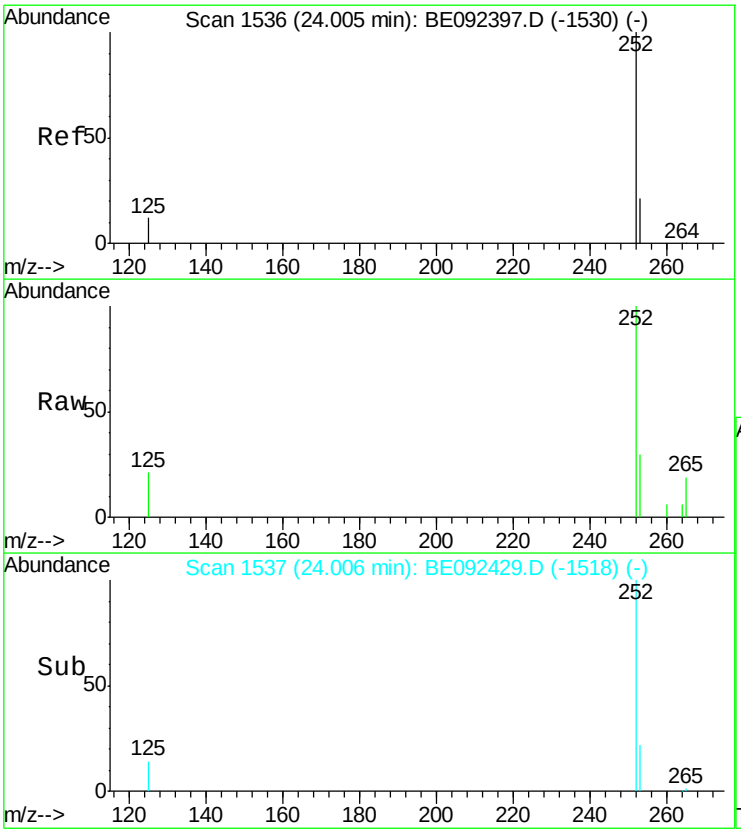
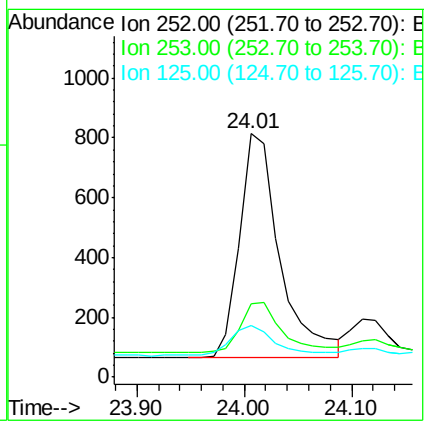


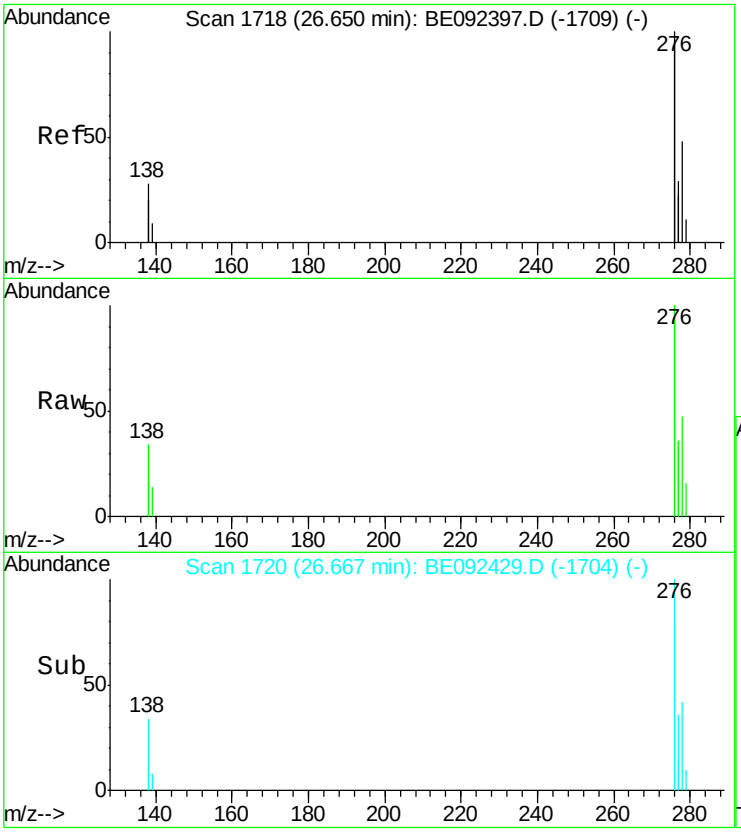


#34
Benzo(a)pyrene
Concen: 0.13 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:252 Resp: 1964

Ion	Ratio	Lower	Upper
252	100		
253	30.2	19.0	28.6#
125	21.4	11.8	17.8#





#35
Dibenzo(a,h)anthracene
Concen: 0.13 ng
RT: 26.67 min Scan# 1720
Delta R.T. 0.07 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Instrument :
BNA_E
ClientSampleId :
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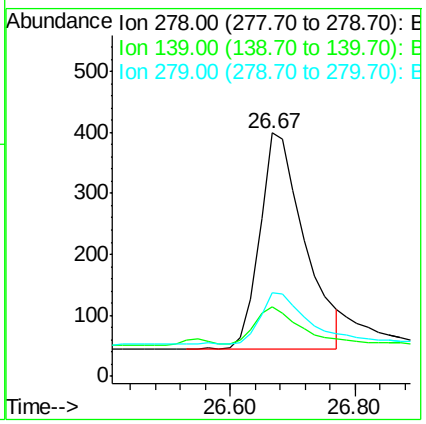
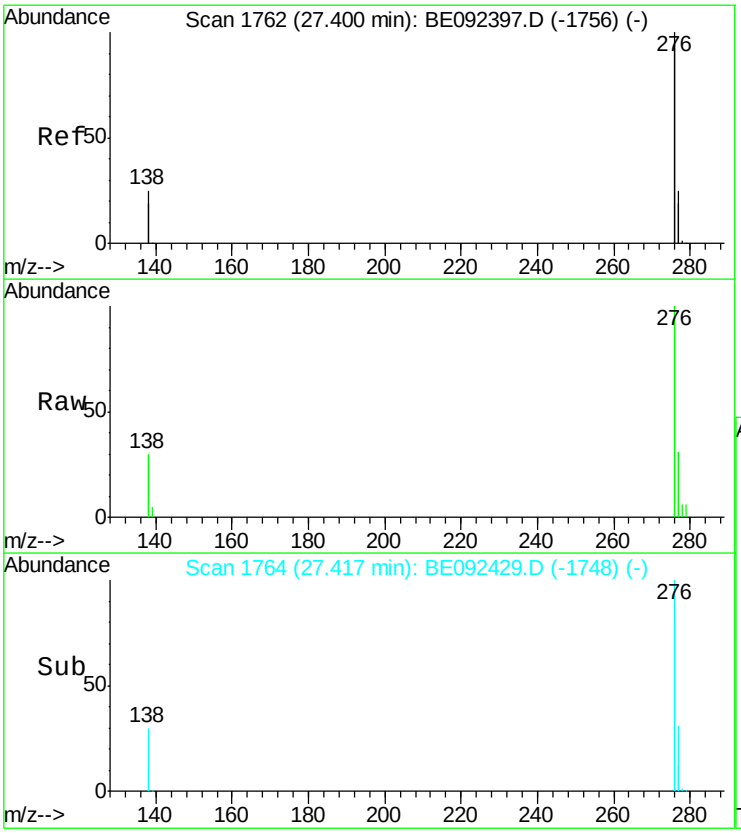
Tgt Ion:278 Resp: 1758

Ion	Ratio	Lower	Upper
278	100		
139	28.8	13.8	20.8#
279	34.3	21.4	32.2#





#36
Benzo(g,h,i)perylene
Concen: 0.14 ng
RT: 27.42 min Scan# 1764
Delta R.T. 0.07 min
Lab File: BE092429.D
Acq: 26 Sep 2016 16:57

Tgt Ion:276 Resp: 8549

Ion	Ratio	Lower	Upper
276	100		
277	30.6	19.8	29.8#
138	29.9	19.8	29.6#