

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052316\
 Data File : BE091849.D
 Acq On : 23 May 2016 16:16
 Operator : UM/SJ
 Sample : H3156-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SP-001-160517

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Quant Time: May 24 17:15:06 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 15:36:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	21010	5.00	ng	-0.02
7) Naphthalene-d8	10.55	136	112412	5.00	ng	-0.02
13) Acenaphthene-d10	14.39	164	79691	5.00	ng	-0.03
19) Phenanthrene-d10	17.14	188	206500	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	288337	5.00	ng	-0.02
35) Perylene-d12	23.72	264	249399	5.00	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	37457	6.82	ng	0.00
5) Phenol-d6	6.95	99	62581	8.09	ng	0.00
8) Nitrobenzene-d5	8.93	82	27798	3.73	ng	-0.01
14) 2,4,6-Tribromophenol	15.89	330	26354	8.52	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	88571	3.93	ng	-0.01
29) Terphenyl-d14	19.74	244	162071	3.97	ng	-0.02
Target Compounds						Qvalue
16) Acenaphthylene	14.12	152	1703m	0.05	ng	
17) Acenaphthene	14.46	154	806	0.04	ng	85
18) Fluorene	15.45	166	1072	0.04	ng	# 88
22) Pentachlorophenol	16.79	266	1366	0.41	ng	93
23) Phenanthrene	17.17	178	47142	1.08	ng	100
24) Anthracene	17.26	178	8152m	0.18	ng	
25) Fluoranthene	19.19	202	205884	3.75	ng	98
28) Pyrene	19.53	202	195390	3.09	ng	96
30) Benzo(a)anthracene	21.27	228	144452m	2.08	ng	
32) Chrysene	21.31	228	126029m	2.13	ng	
33) Bis(2-ethylhexyl)phthalate	21.20	149	4769	0.36	ng	# 85
34) Indeno(1,2,3-cd)pyrene	26.26	276	119874	1.68	ng	# 91
36) Benzo(b)fluoranthene	22.98	252	223069m	3.58	ng	
37) Benzo(k)fluoranthene	23.00	252	92988m	1.46	ng	
38) Benzo(a)pyrene	23.61	252	138797	2.33	ng	95
39) Dibenzo(a,h)anthracene	26.27	278	27677	0.48	ng	95
40) Benzo(g,h,i)perylene	27.05	276	124818	2.08	ng	95

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

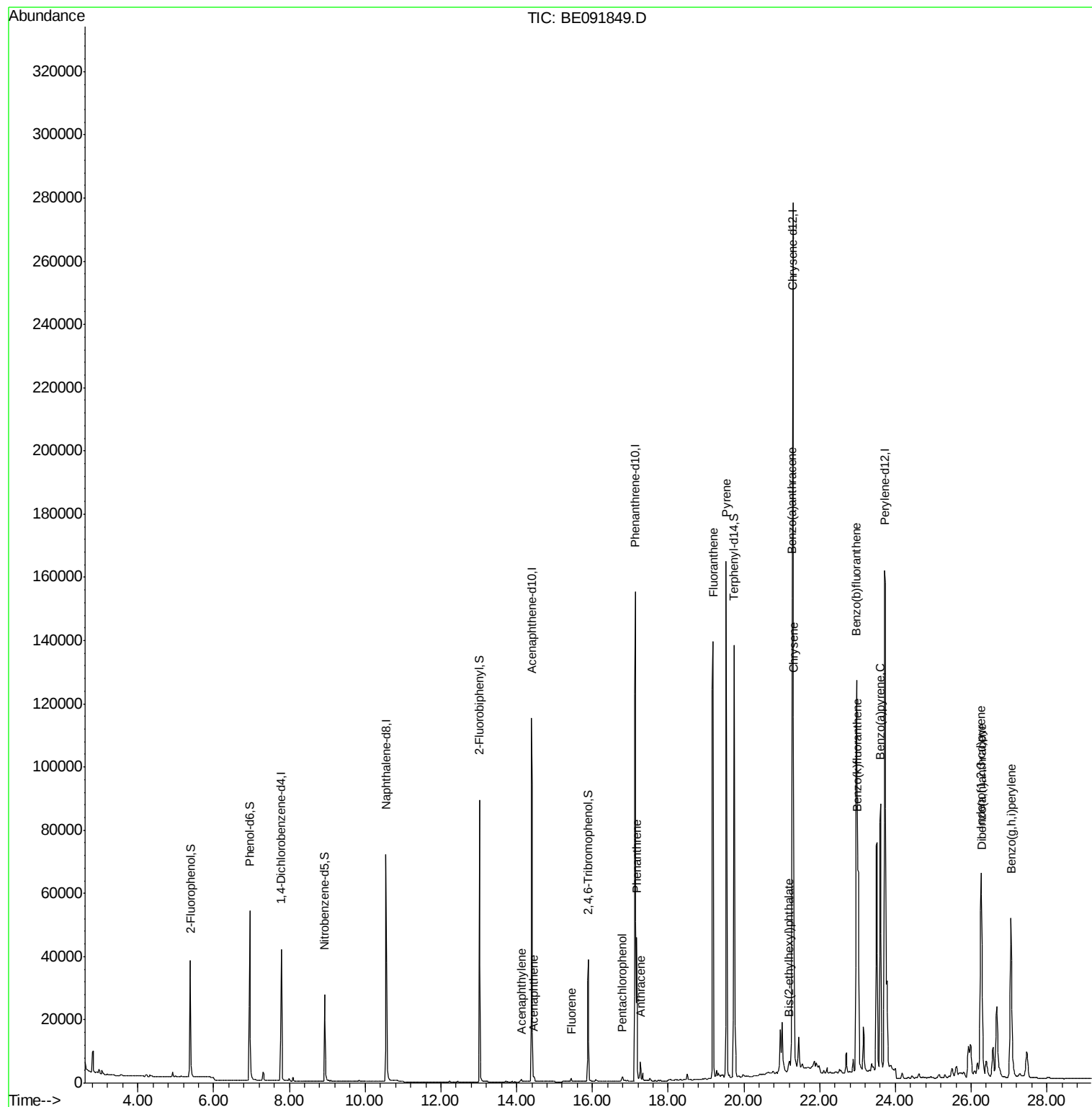
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052316\
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ALS Vial : 9 Sample Multiplier: 1

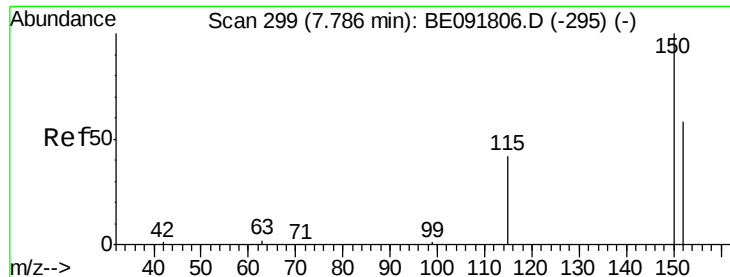
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.79 min Scan# 299

Delta R.T. -0.02 min

Lab File: BE091849.D

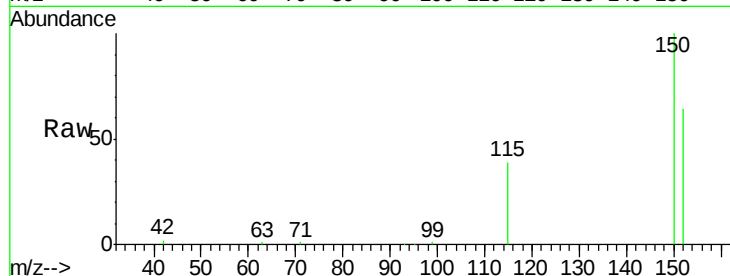
Acq: 23 May 2016 16:16

Instrument :

BNA_E

ClientSampleId :

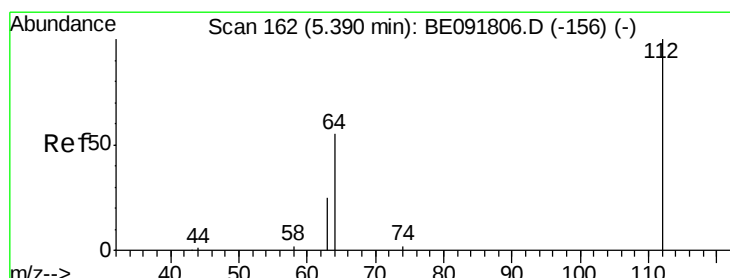
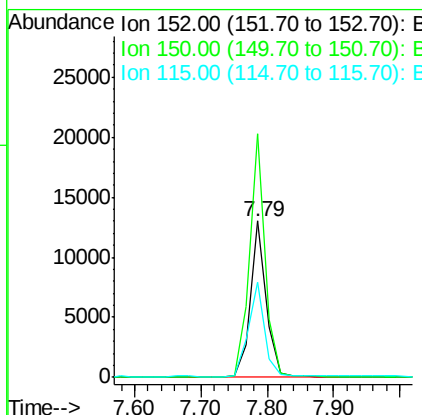
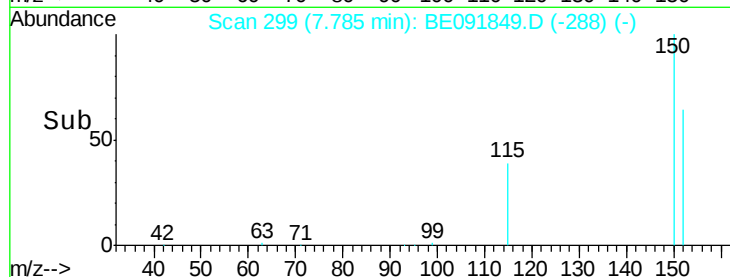
SP-001-160517



Tgt Ion:	152	Resp:	21010
Ion Ratio	Lower	Upper	
152	100		
150	155.7	122.6	183.8
115	61.0	52.8	79.2

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#4

2-Fluorophenol

Concen: 6.82 ng

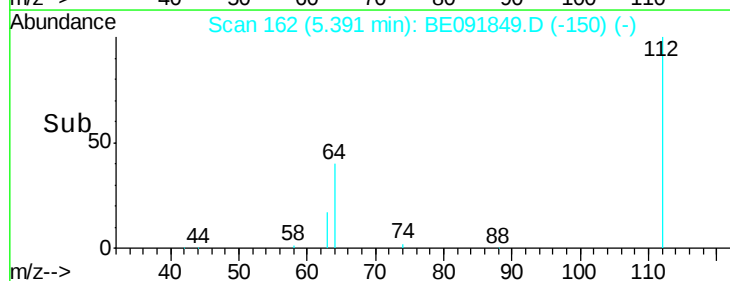
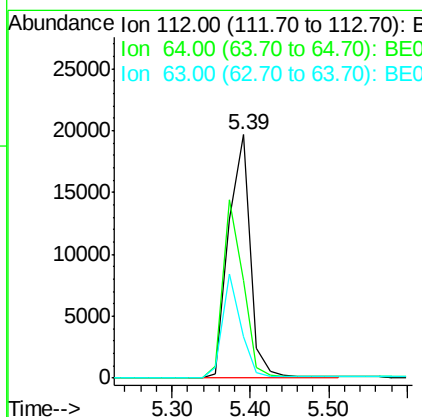
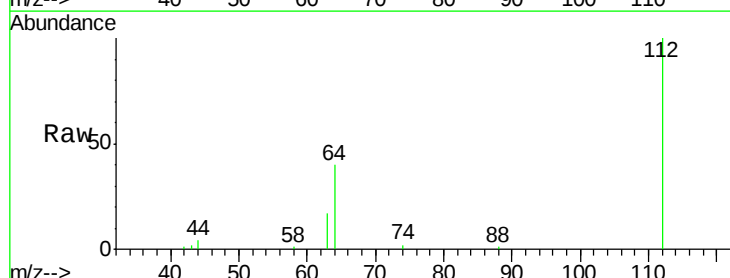
RT: 5.39 min Scan# 162

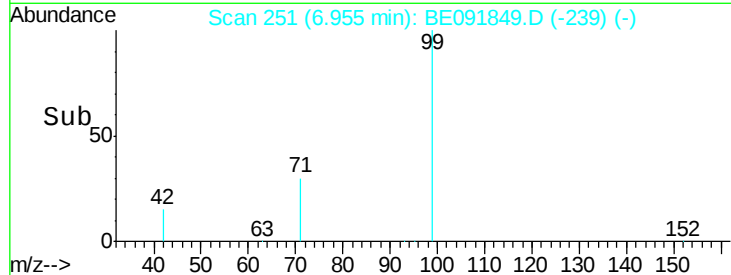
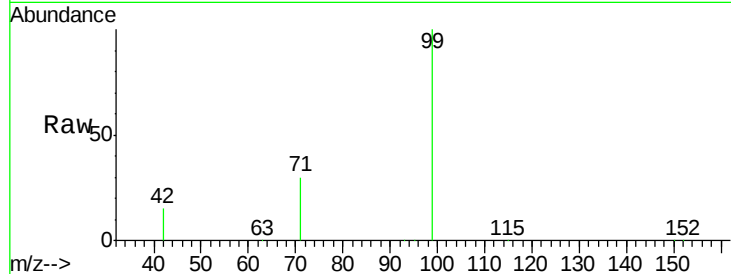
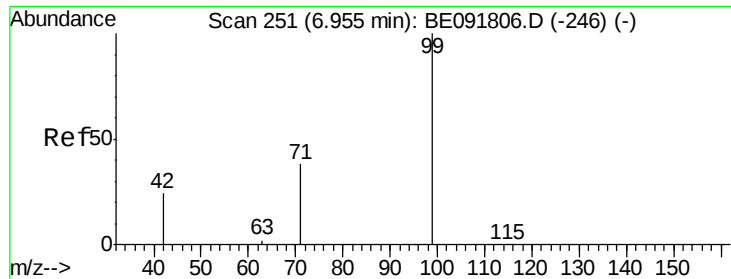
Delta R.T. 0.00 min

Lab File: BE091849.D

Acq: 23 May 2016 16:16

Tgt Ion:	112	Resp:	37457
Ion Ratio	Lower	Upper	
112	100		
64	67.4	30.9	46.3#
63	36.0	16.7	25.1#





#5

Phenol-d6

Concen: 8.09 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091849.D

Acq: 23 May 2016 16:16

Tgt Ion:	99	Resp:	62581
Ion Ratio	Lower	Upper	
99	100		
42	22.9	16.2	24.2
71	35.3	29.0	43.4

Instrument :

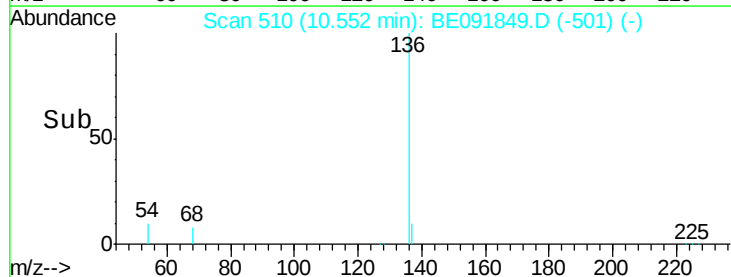
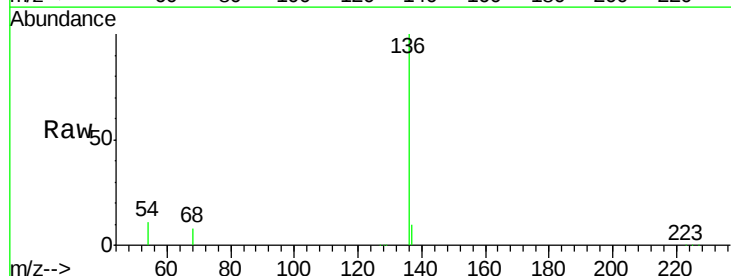
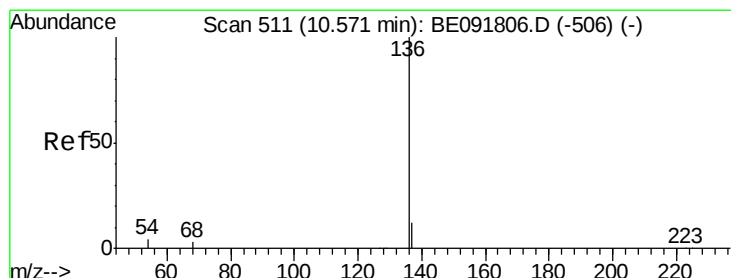
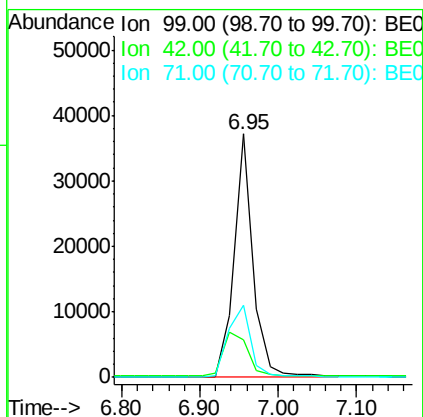
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#7

Naphthalene-d8

Concen: 5.00 ng

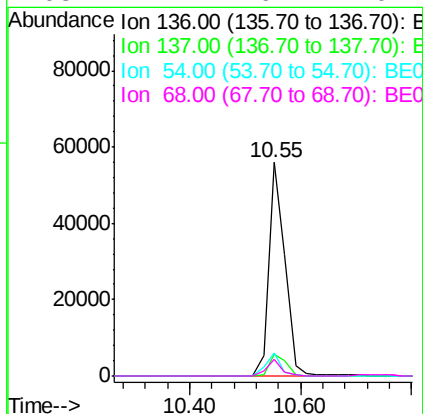
RT: 10.55 min Scan# 510

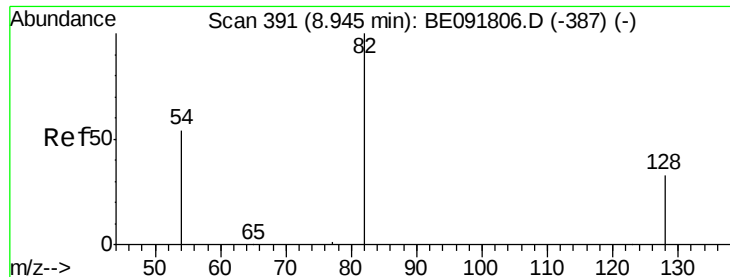
Delta R.T. -0.02 min

Lab File: BE091849.D

Acq: 23 May 2016 16:16

Tgt Ion:	136	Resp:	112412
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	10.6	8.2	12.4
68	7.7	6.2	9.4





#8

Nitrobenzene-d5

Concen: 3.73 ng

RT: 8.93 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE091849.D

Acq: 23 May 2016 16:16

Instrument :

BNA_E

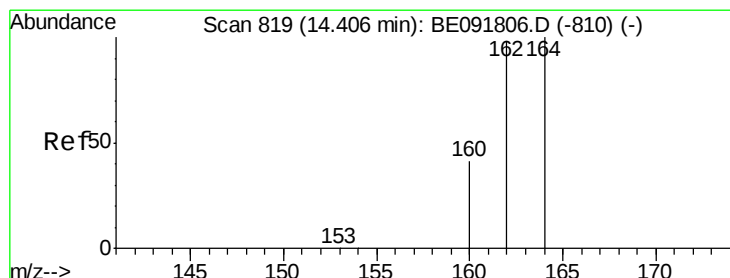
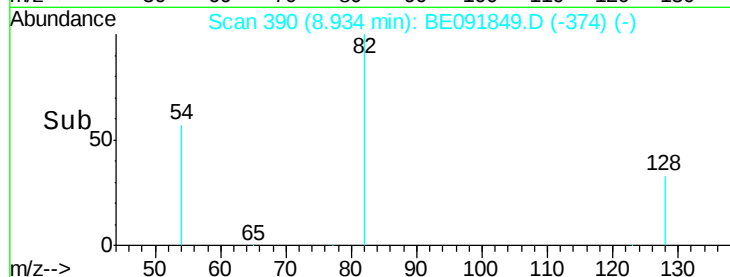
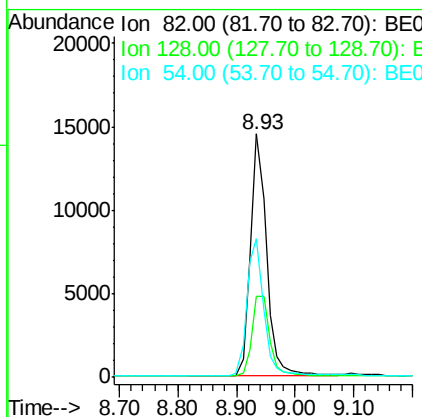
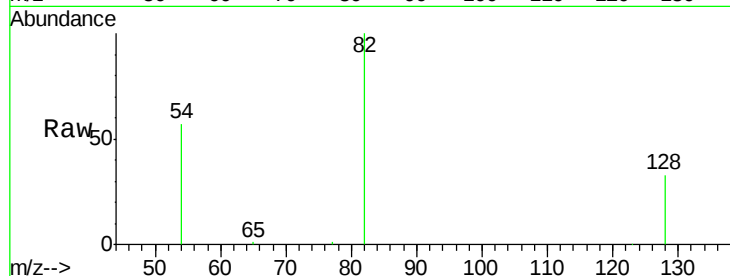
ClientSampleId :

SP-001-160517

Tgt Ion:	82	Resp:	27798
Ion Ratio	Lower	Upper	
82	100		
128	33.1	25.4	38.0
54	57.0	48.4	72.6

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#13

Acenaphthene-d10

Concen: 5.00 ng

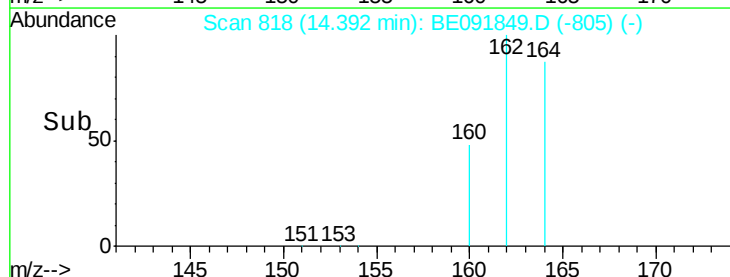
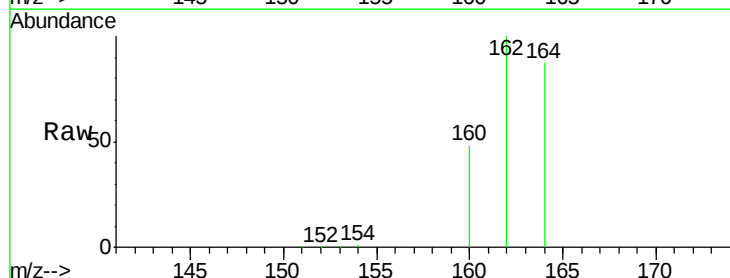
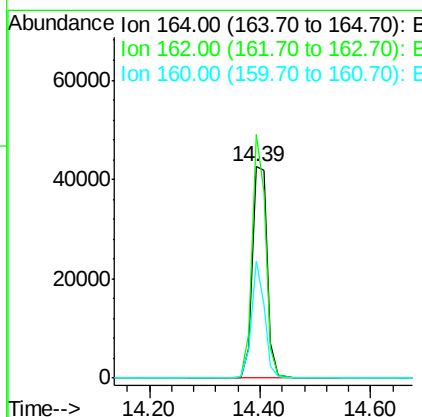
RT: 14.39 min Scan# 818

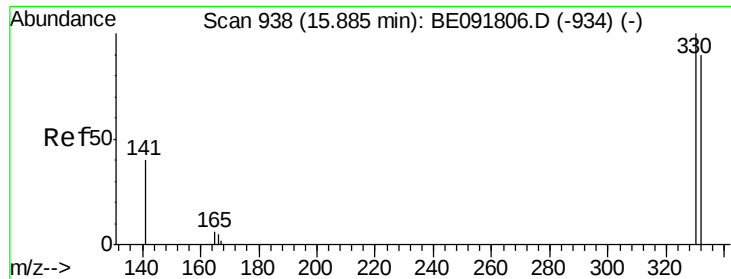
Delta R.T. -0.03 min

Lab File: BE091849.D

Acq: 23 May 2016 16:16

Tgt Ion:	164	Resp:	79691
Ion Ratio	Lower	Upper	
164	100		
162	115.4	85.3	127.9
160	55.2	46.2	69.2





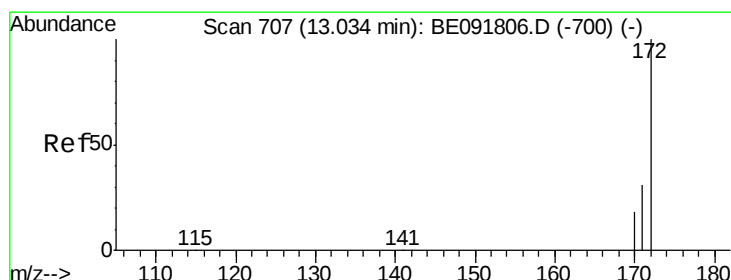
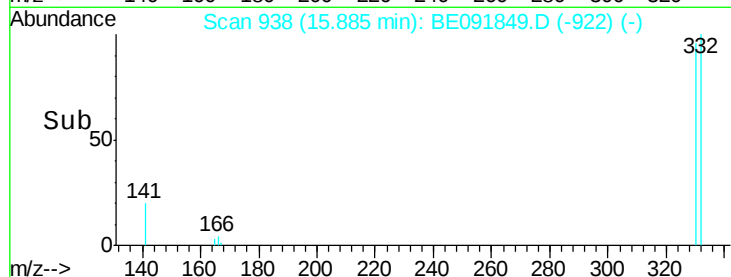
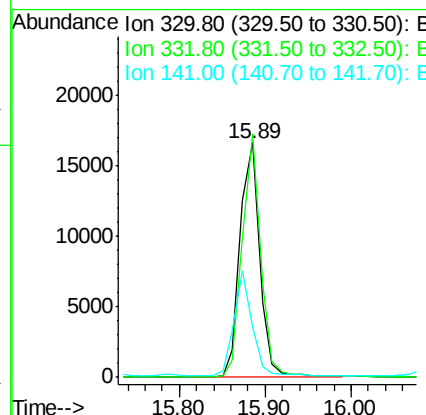
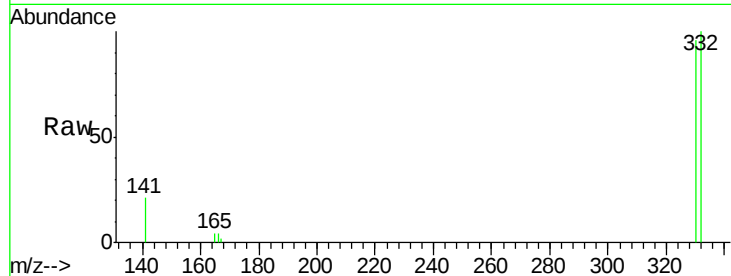
#14
 2,4,6-Tribromophenol
 Concen: 8.52 ng
 RT: 15.89 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BE091849.D
 Acq: 23 May 2016 16:16

Instrument :
 BNA_E
 ClientSampleId :
 SP-001-160517

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	26354		
332	97.1	79.1	118.7	
141	41.1	125.4	188.0	

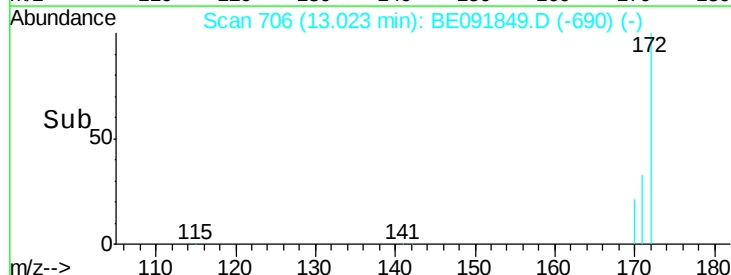
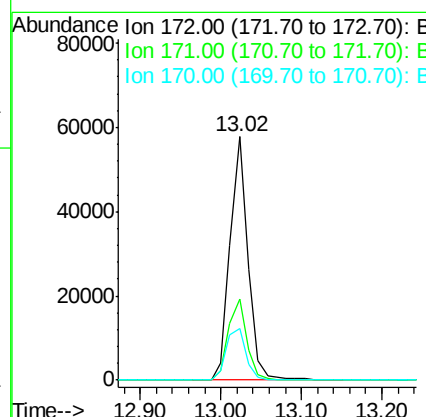
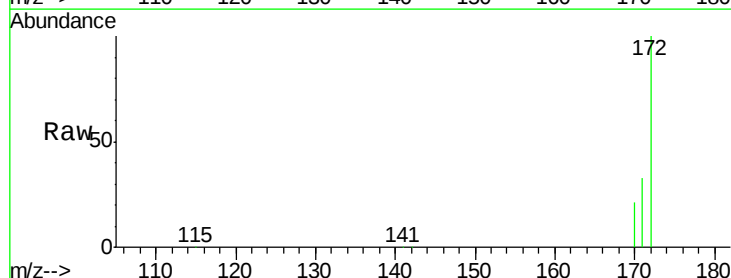
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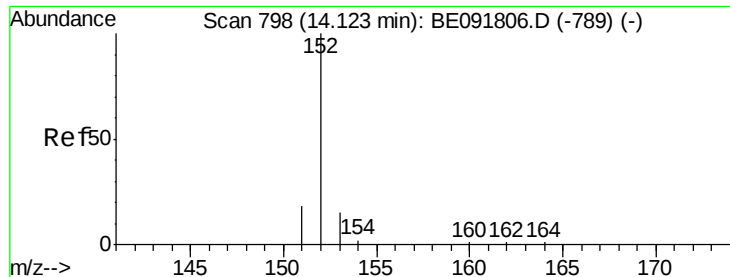
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#15
 2-Fluorobiphenyl
 Concen: 3.93 ng
 RT: 13.02 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BE091849.D
 Acq: 23 May 2016 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	88571		
171	33.4	28.8	43.2	
170	21.0	19.3	28.9	





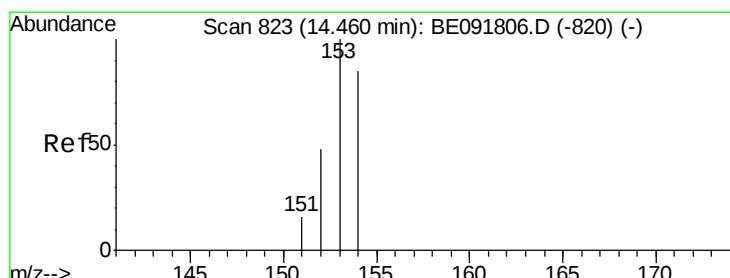
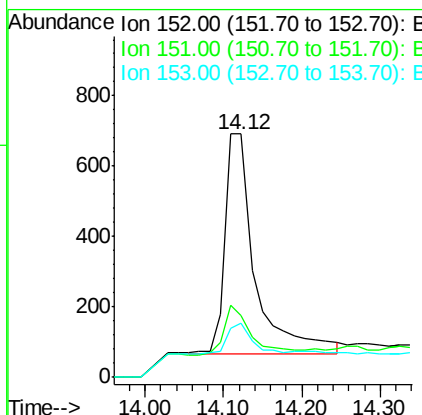
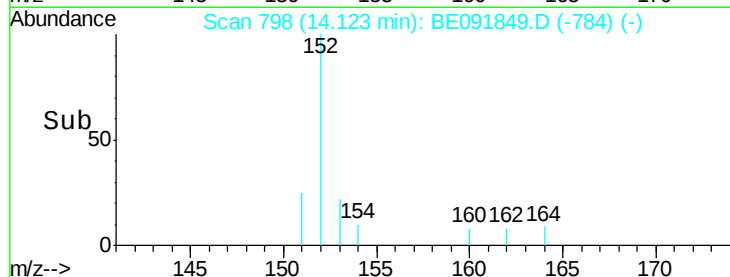
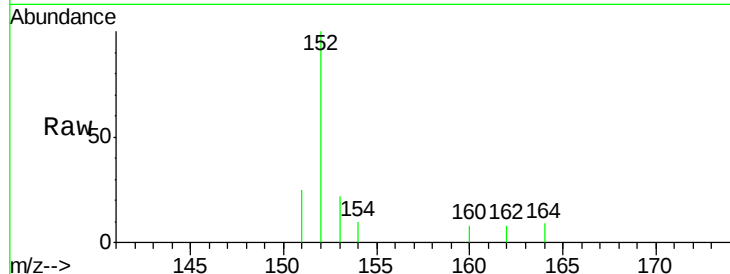
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Acenaphthylene
Concen: 0.05 ng m
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091849.D
Acq: 23 May 2016 16:16

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	29.7	3.9	5.9#
153	20.2	10.3	15.5#

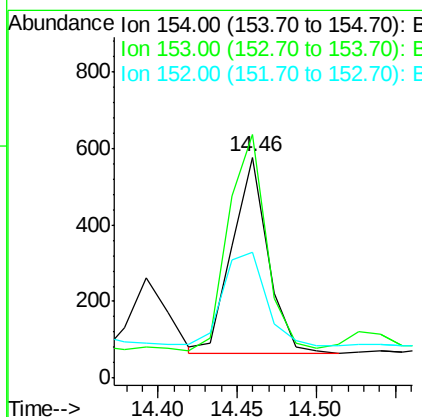
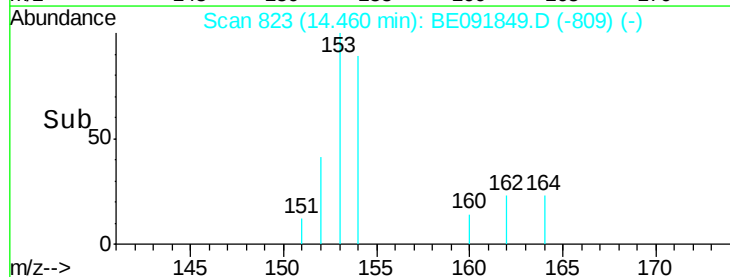
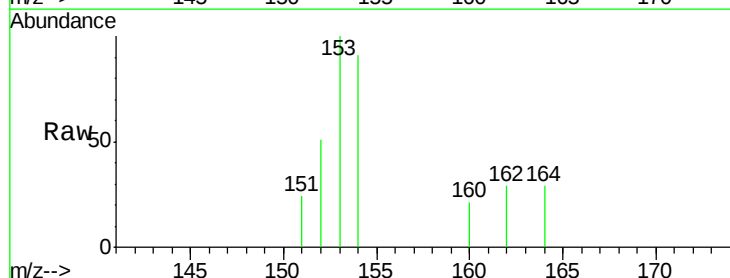
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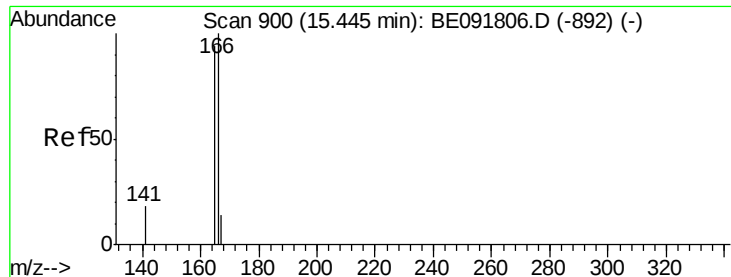
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#17
Acenaphthene
Concen: 0.04 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091849.D
Acq: 23 May 2016 16:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.5	80.0	120.0
152	57.3	40.0	60.0





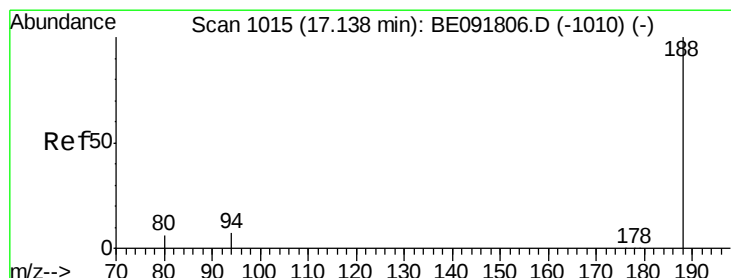
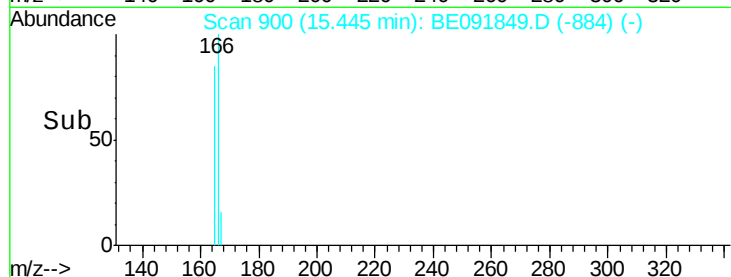
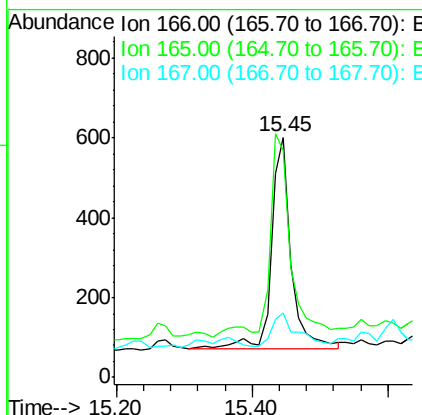
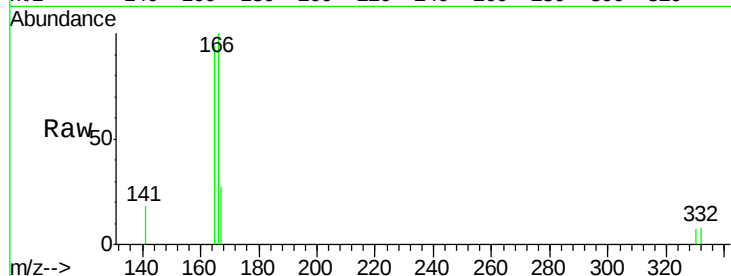
#18
Fluorene
 Concen: 0.04 ng
 RT: 15.45 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BE091849.D
 Acq: 23 May 2016 16:16

Instrument :
 BNA_E
 ClientSampleId :
 SP-001-160517

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.0	80.8	121.2
167	20.4	10.9	16.3#

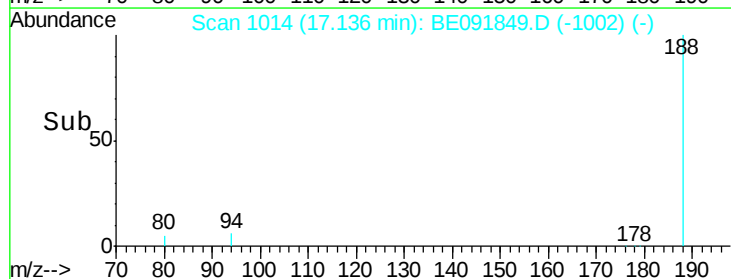
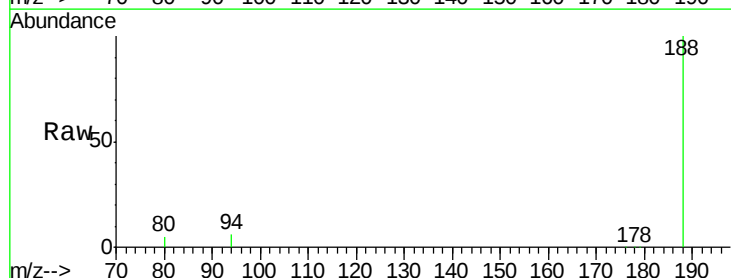
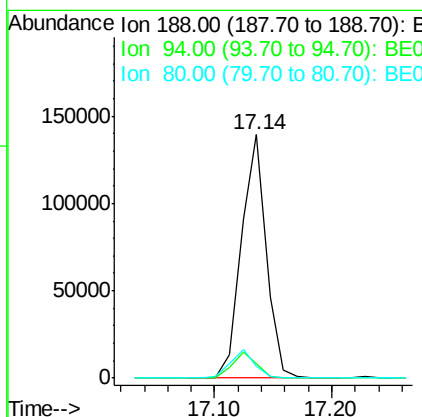
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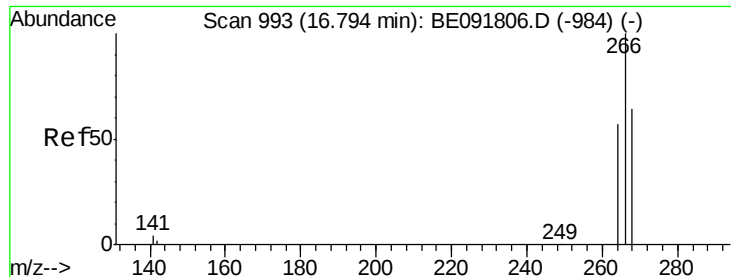
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#19
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.14 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BE091849.D
 Acq: 23 May 2016 16:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	8.7	13.1#
80	5.1	9.4	14.0#





#22

Pentachlorophenol

Concen: 0.41 ng

RT: 16.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE091849.D

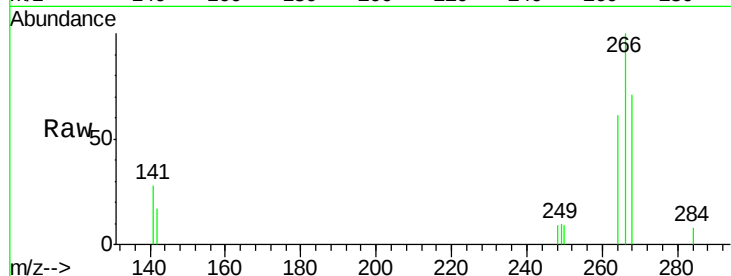
Acq: 23 May 2016 16:16

Instrument :

BNA_E

ClientSampleId :

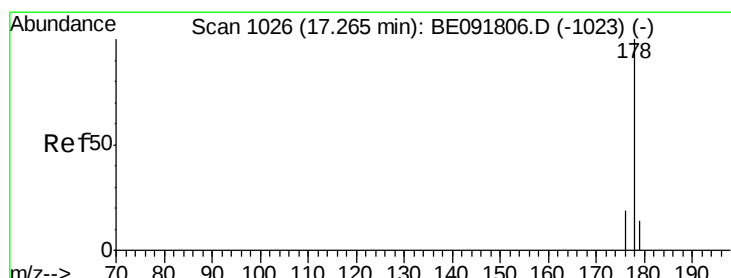
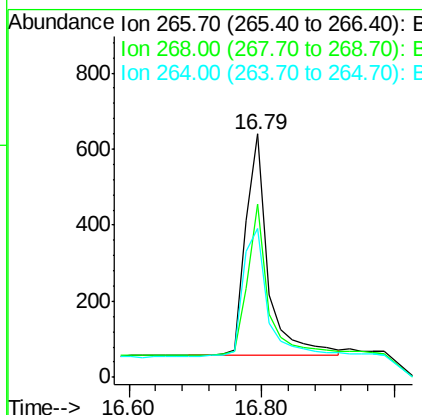
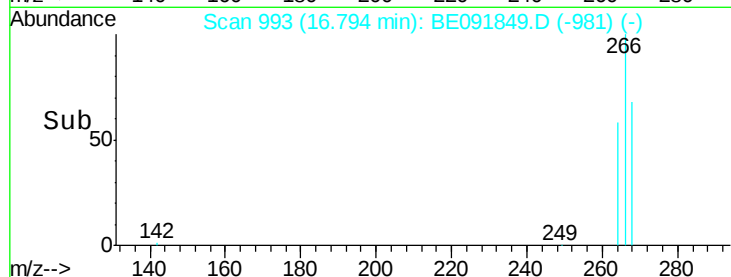
SP-001-160517



Tgt Ion:	266	Resp:	1366
Ion Ratio	Lower	Upper	
266	100		
268	71.1	58.2	87.2
264	60.9	56.2	84.4

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#23

Phenanthrene

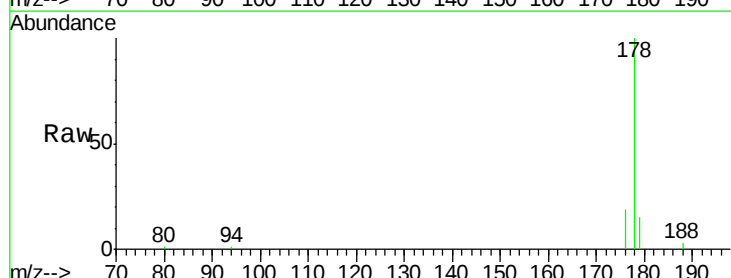
Concen: 1.08 ng

RT: 17.17 min Scan# 1017

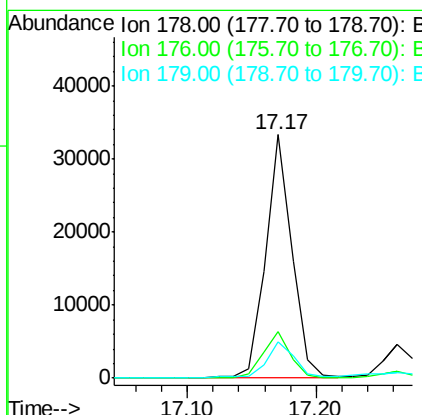
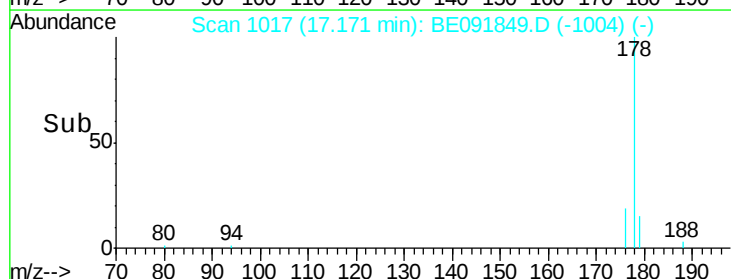
Delta R.T. -0.01 min

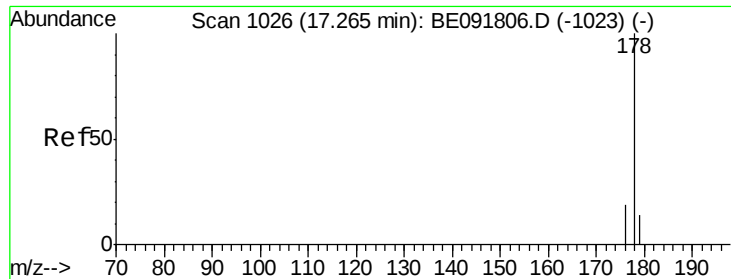
Lab File: BE091849.D

Acq: 23 May 2016 16:16



Tgt Ion:	178	Resp:	47142
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.3	22.9
179	15.7	12.6	18.8





#24

Anthracene

Concen: 0.18 ng m

RT: 17.26 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BE091849.D

Acq: 23 May 2016 16:16

Instrument :

BNA_E

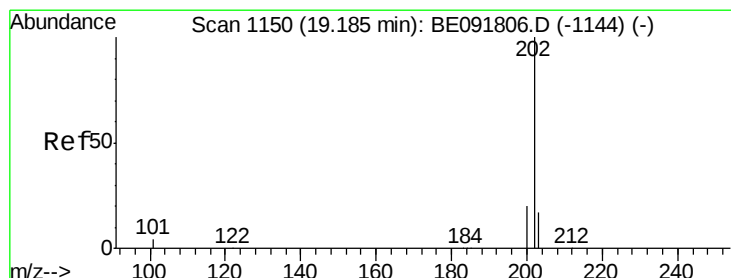
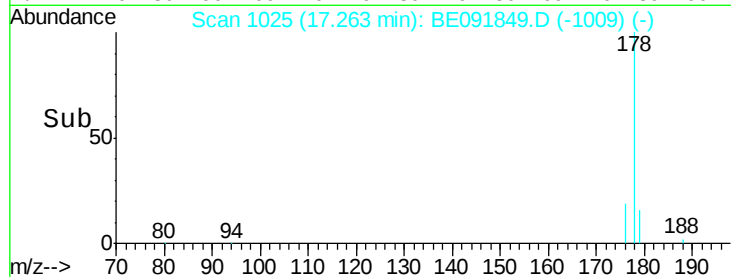
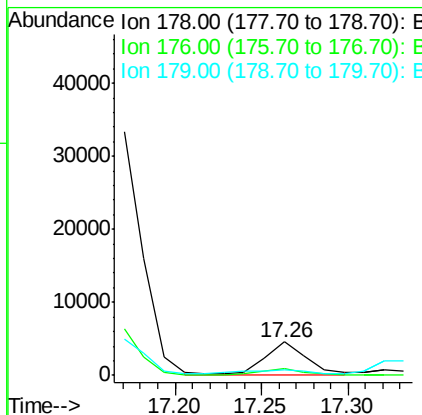
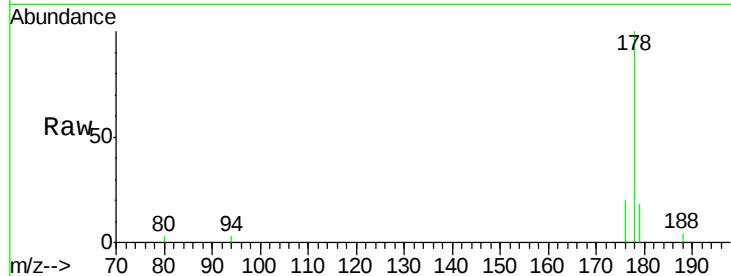
ClientSampleId :

SP-001-160517

Tgt Ion:	178	Resp:	8152
Ion Ratio	Lower	Upper	
178	100		
176	111.4	14.6	21.8#
179	91.0	11.8	17.6#

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#25

Fluoranthene

Concen: 3.75 ng

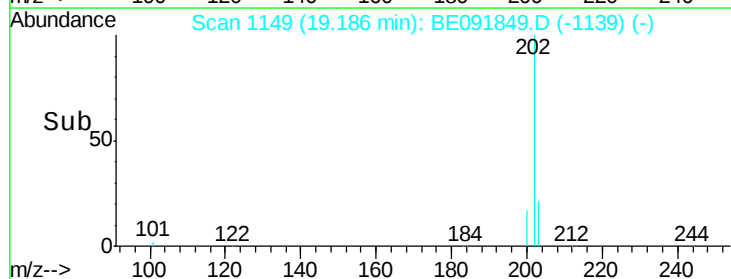
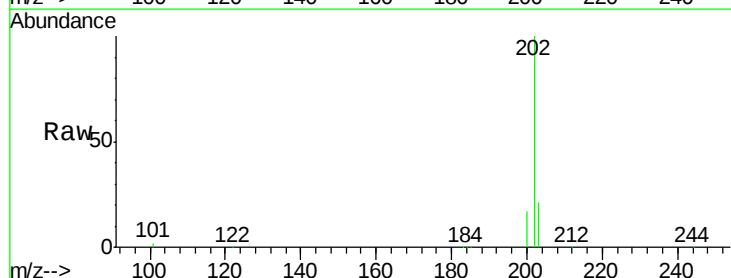
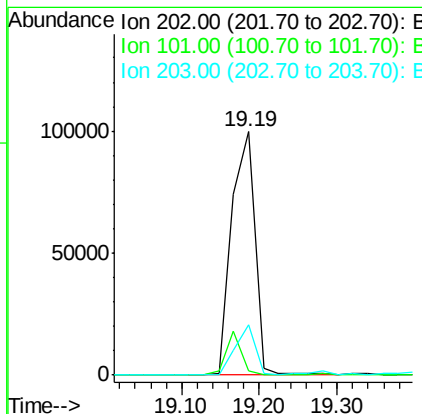
RT: 19.19 min Scan# 1149

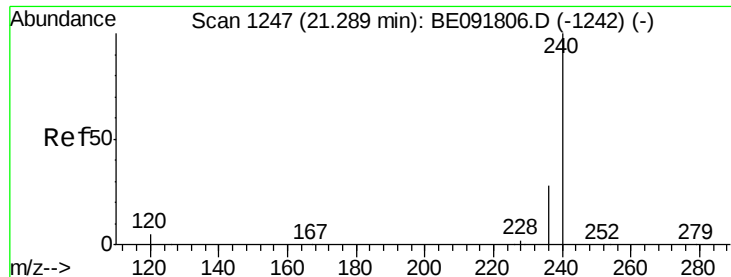
Delta R.T. -0.00 min

Lab File: BE091849.D

Acq: 23 May 2016 16:16

Tgt Ion:	202	Resp:	205884
Ion Ratio	Lower	Upper	
202	100		
101	11.9	11.0	16.6
203	17.4	13.9	20.9





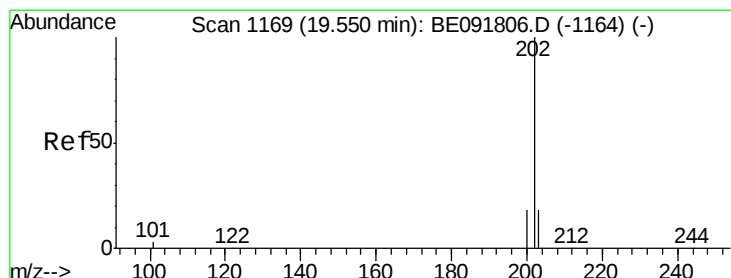
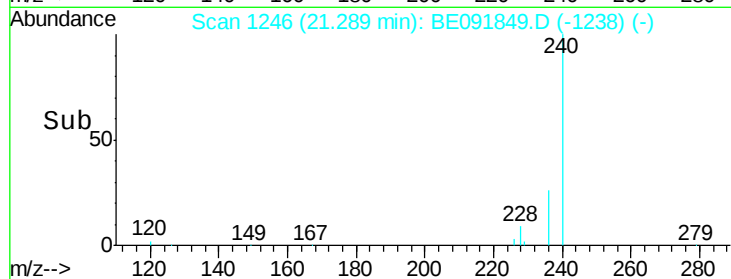
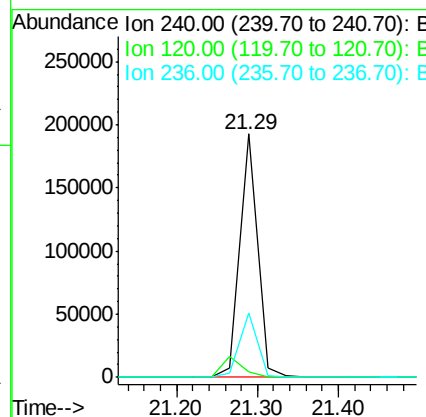
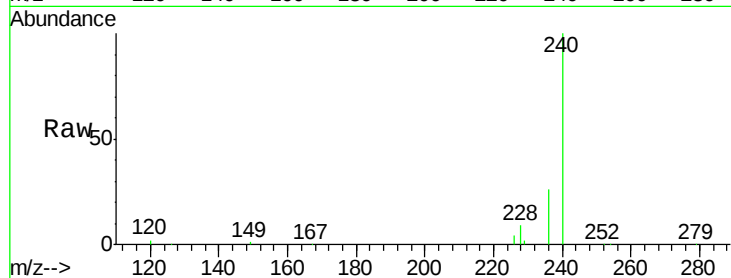
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BE091849.D
Acq: 23 May 2016 16:16

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	288337		
120	2.3	11.0	16.4	#
236	26.3	21.7	32.5	

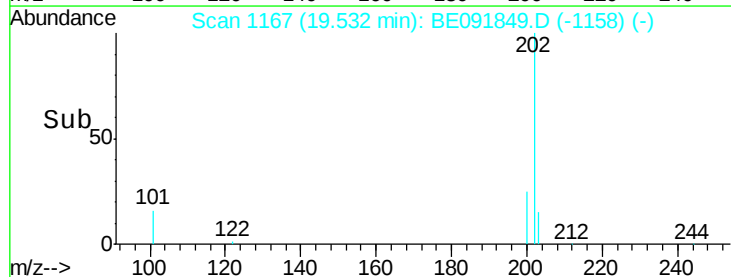
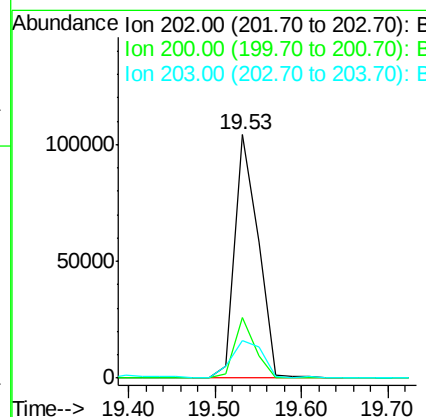
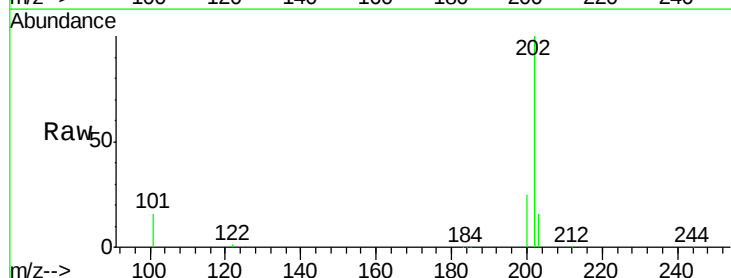
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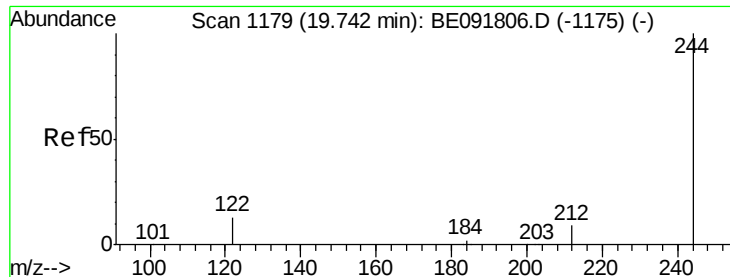
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#28
Pyrene
Concen: 3.09 ng
RT: 19.53 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BE091849.D
Acq: 23 May 2016 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	195390		
200	21.8	16.8	25.2	
203	20.9	14.0	21.0	





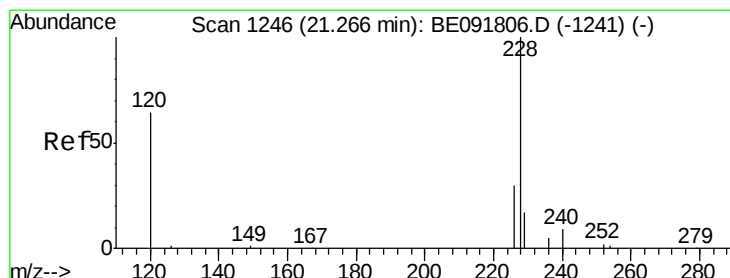
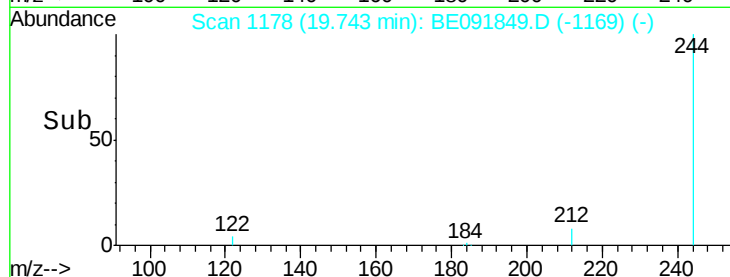
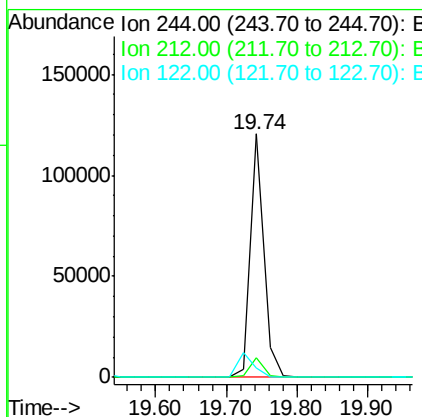
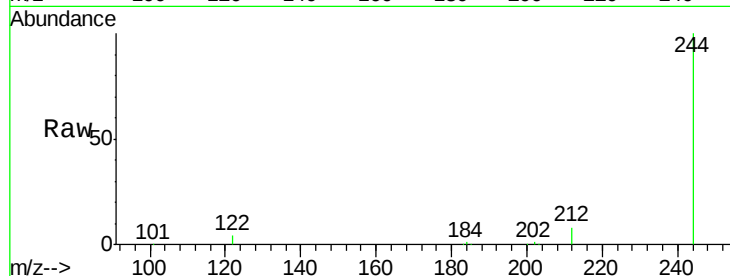
#29
 Terphenyl-d14
 Concen: 3.97 ng
 RT: 19.74 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BE091849.D
 Acq: 23 May 2016 16:16

Instrument :
 BNA_E
 ClientSampleId :
 SP-001-160517

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.0	6.9	10.3
122	3.8	11.0	16.4

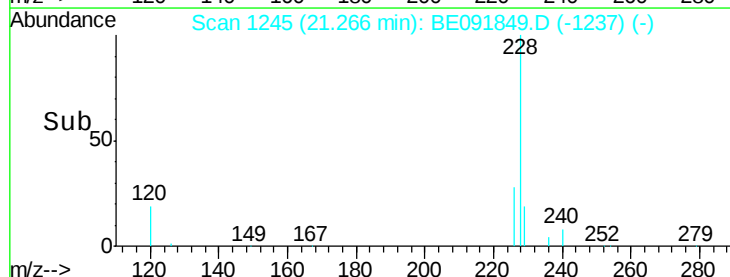
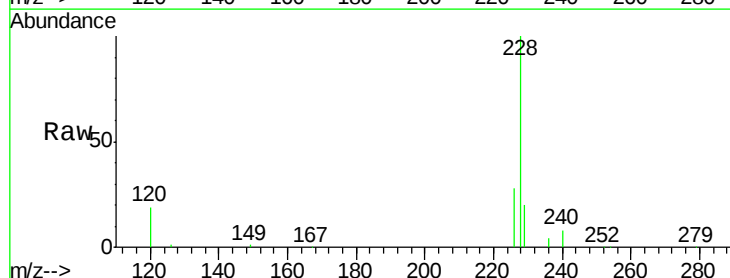
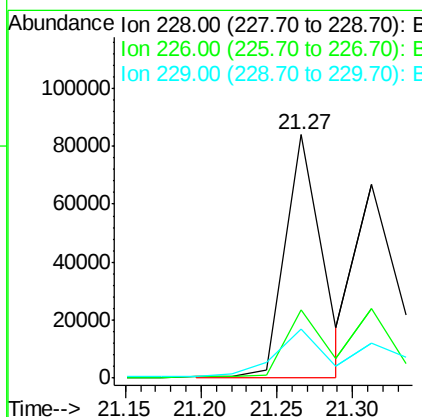
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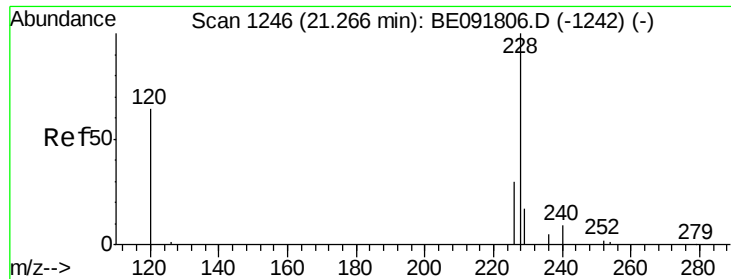
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#30
 Benzo(a)anthracene
 Concen: 2.08 ng m
 RT: 21.27 min Scan# 1245
 Delta R.T. -0.02 min
 Lab File: BE091849.D
 Acq: 23 May 2016 16:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.8	21.0	31.4
229	19.9	15.7	23.5





#32

Chrysene

Concen: 2.13 ng m

RT: 21.31 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BE091849.D

Acq: 23 May 2016 16:16

Instrument :

BNA_E

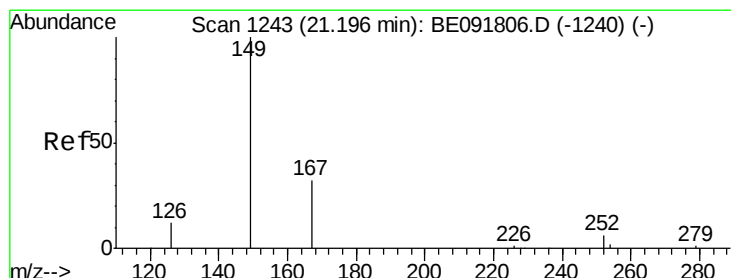
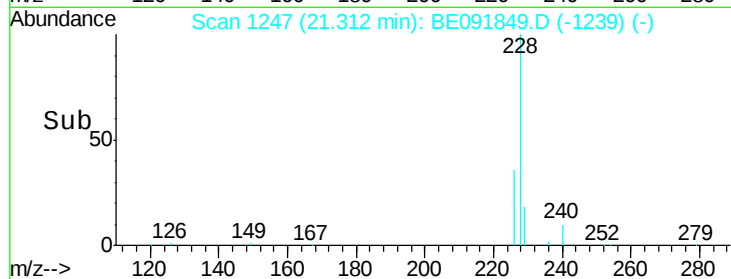
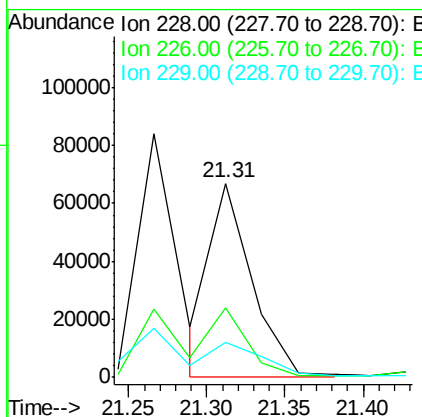
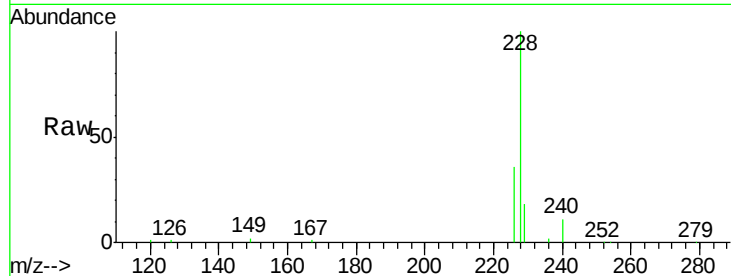
ClientSampleId :

SP-001-160517

Tgt Ion:	228	Resp:	126029
Ion Ratio		Lower	Upper
228	100		
226	36.0	24.0	36.0
229	18.3	15.9	23.9

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#33

Bis(2-ethylhexyl)phthalate

Concen: 0.36 ng

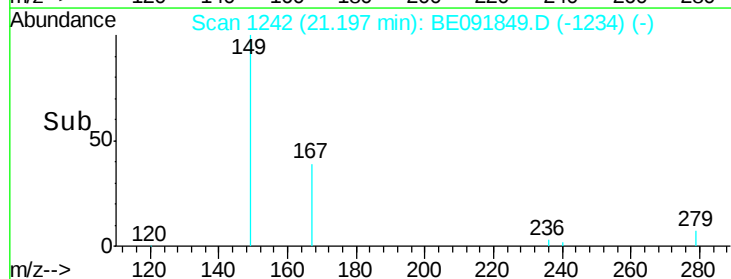
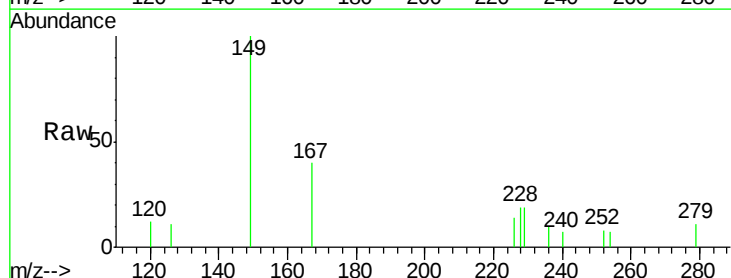
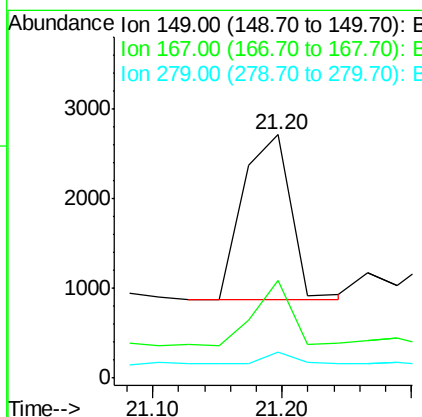
RT: 21.20 min Scan# 1242

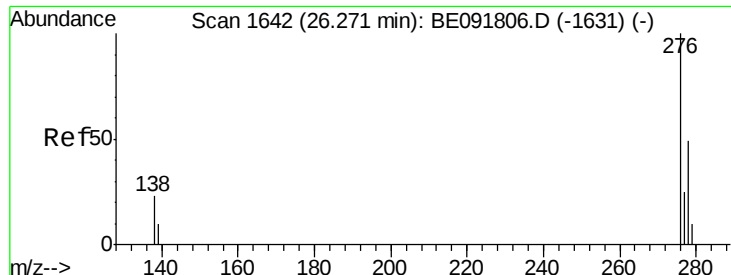
Delta R.T. -0.02 min

Lab File: BE091849.D

Acq: 23 May 2016 16:16

Tgt Ion:	149	Resp:	4769
Ion Ratio		Lower	Upper
149	100		
167	30.5	19.5	29.3#
279	4.7	10.0	15.0#





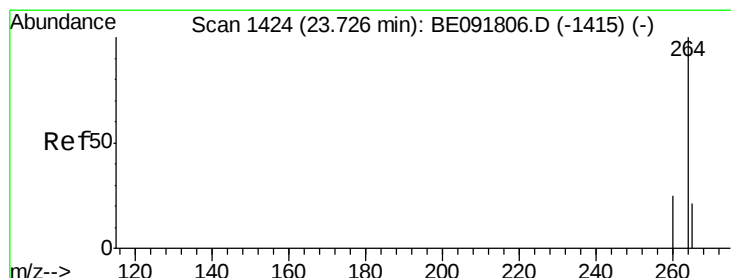
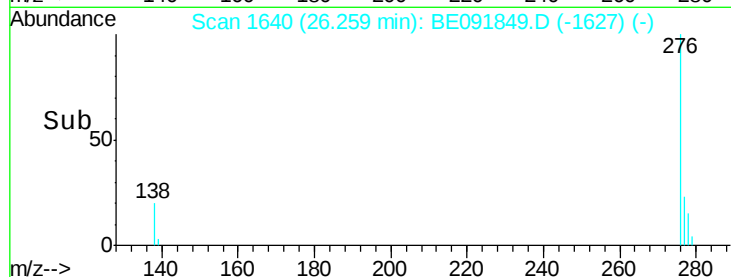
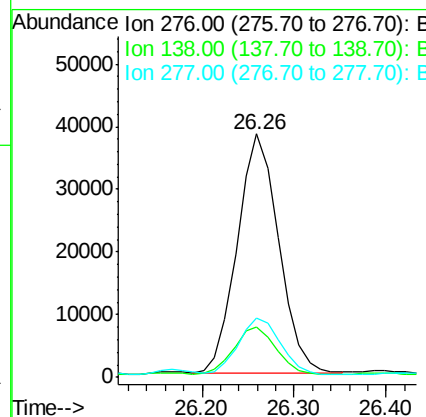
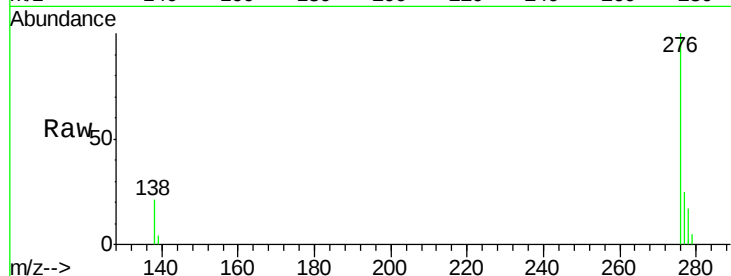
#34
 Indeno(1,2,3-cd)pyrene
 Concen: 1.68 ng
 RT: 26.26 min Scan# 1640
 Delta R.T. -0.05 min
 Lab File: BE091849.D
 Acq: 23 May 2016 16:16

Instrument :
 BNA_E
 ClientSampleId :
 SP-001-160517

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	119874		
138	20.4	23.4	35.2#	
277	24.4	19.8	29.8	

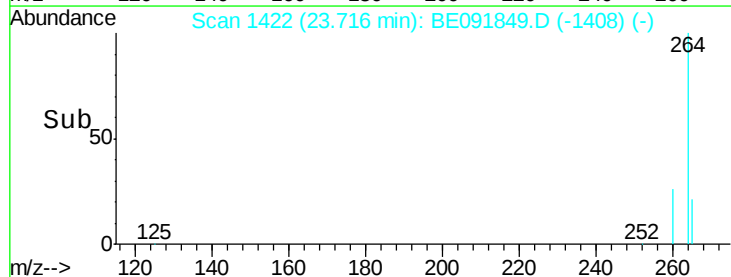
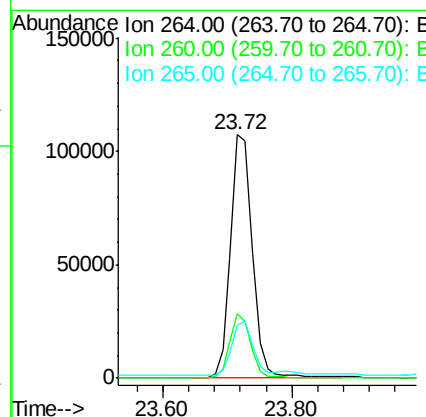
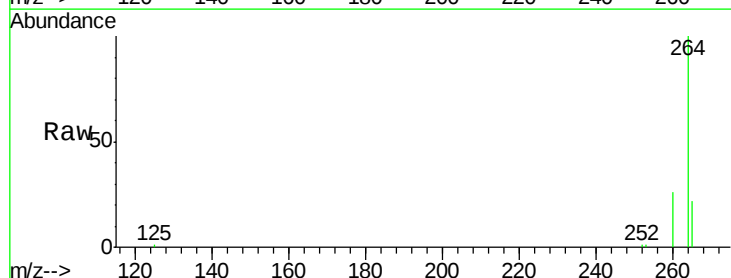
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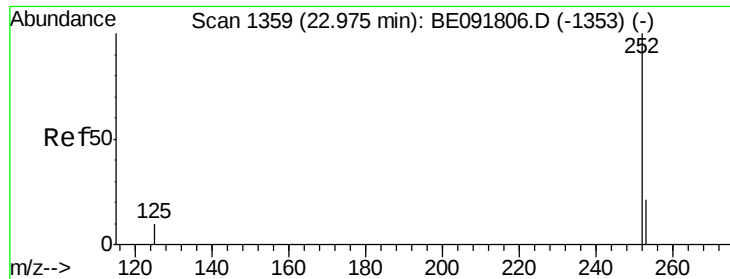
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#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 1422
 Delta R.T. -0.03 min
 Lab File: BE091849.D
 Acq: 23 May 2016 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	249399		
260	26.5	20.0	30.0	
265	21.5	17.5	26.3	





#36

Benzo(b)fluoranthene

Concen: 3.58 ng m

RT: 22.98 min Scan# 1358

Delta R.T. -0.02 min

Lab File: BE091849.D

Acq: 23 May 2016 16:16

Instrument :

BNA_E

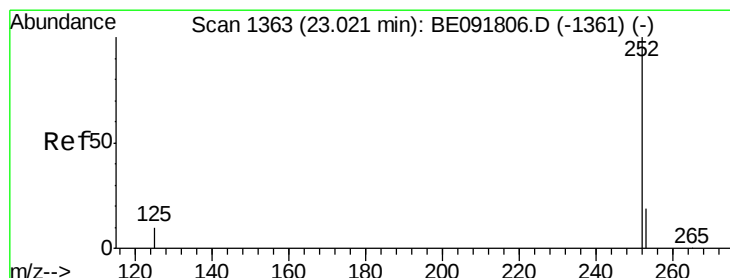
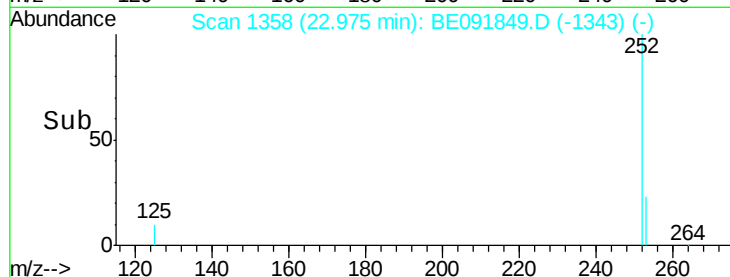
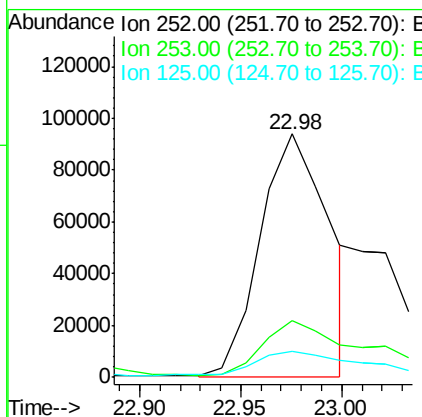
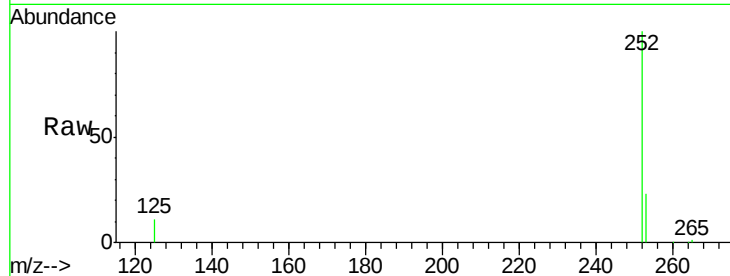
ClientSampleId :

SP-001-160517

Tgt Ion:	252	Resp:	223069
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.0
125	10.7	10.2	15.2

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#37

Benzo(k)fluoranthene

Concen: 1.46 ng m

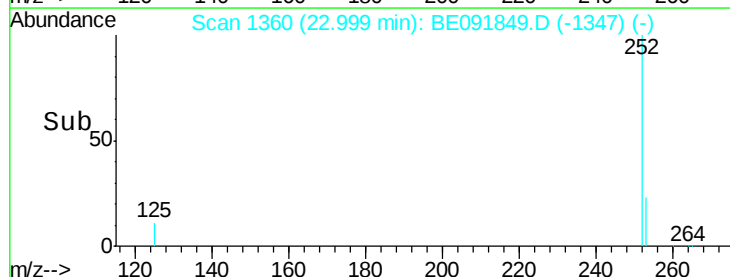
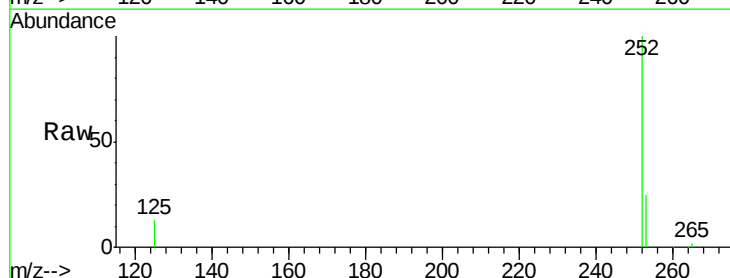
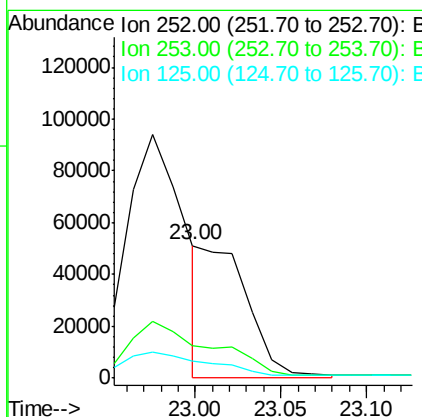
RT: 23.00 min Scan# 1360

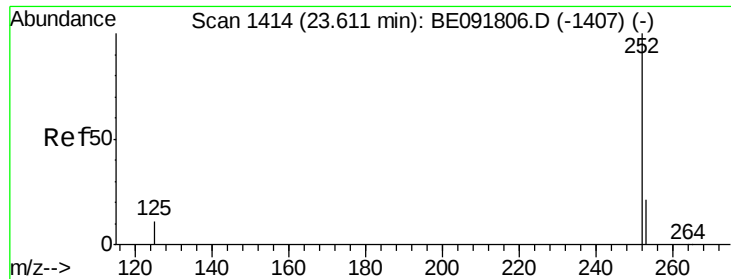
Delta R.T. -0.05 min

Lab File: BE091849.D

Acq: 23 May 2016 16:16

Tgt Ion:	252	Resp:	92988
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.6	26.4
125	12.5	9.9	14.9





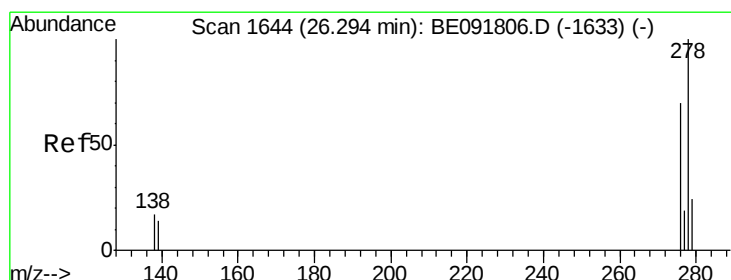
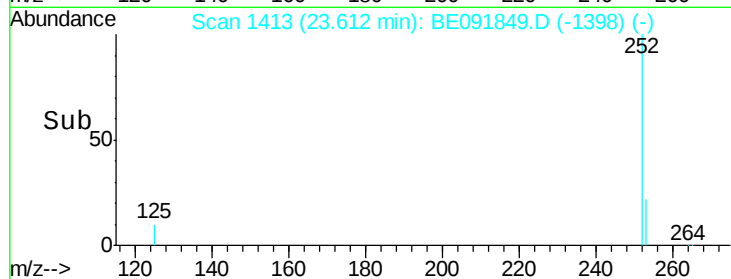
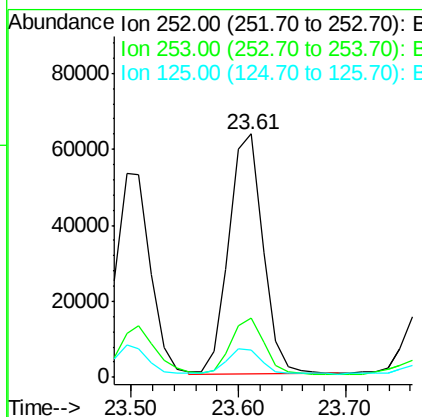
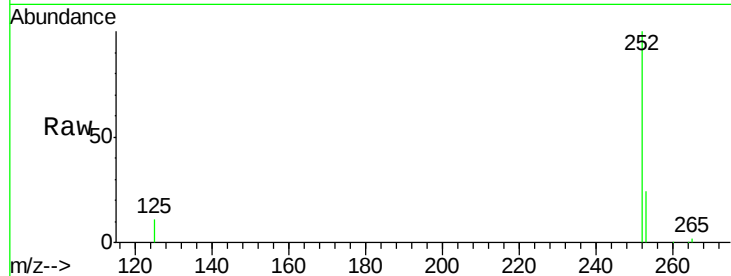
#38
Benzo(a)pyrene
Concen: 2.33 ng
RT: 23.61 min Scan# 1413
Delta R.T. -0.02 min
Lab File: BE091849.D
Acq: 23 May 2016 16:16

Instrument :
BNA_E
ClientSampleId :
SP-001-160517

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	138797		
253	24.3	18.1	27.1	
125	11.0	11.0	16.4	

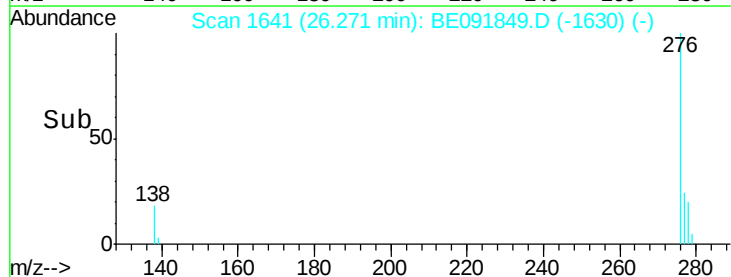
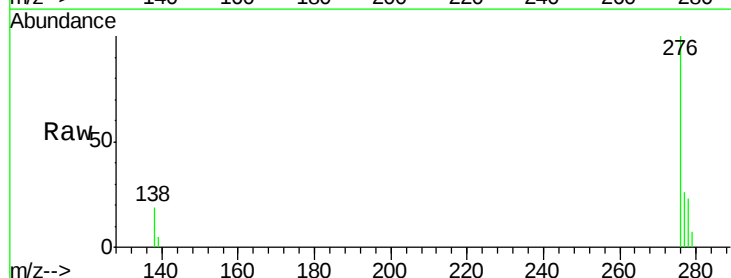
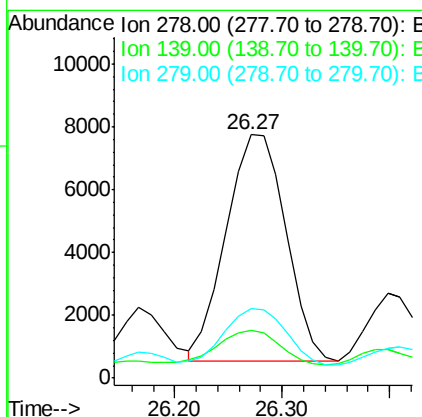
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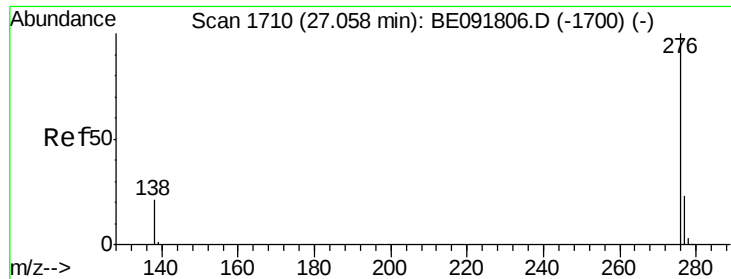
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#39
Dibenzo(a,h)anthracene
Concen: 0.48 ng
RT: 26.27 min Scan# 1641
Delta R.T. -0.07 min
Lab File: BE091849.D
Acq: 23 May 2016 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	27677		
139	19.4	16.0	24.0	
279	28.6	19.4	29.2	





#40

Benzo(g,h,i)perylene

Concen: 2.08 ng

RT: 27.05 min Scan# 1708

Delta R.T. -0.06 min

Lab File: BE091849.D

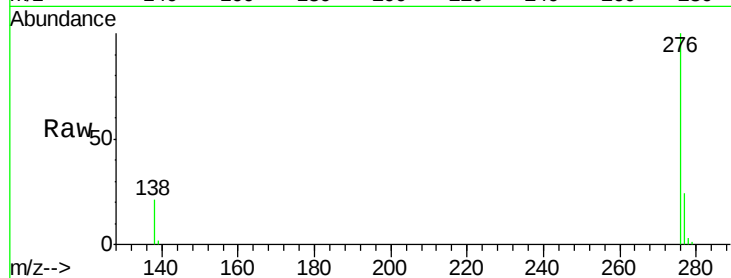
Acq: 23 May 2016 16:16

Instrument :

BNA_E

ClientSampleId :

SP-001-160517



Tgt	Ion	276	Resp	124818
Ion	Ratio	Lower	Upper	
276	100			
277	24.0	18.6	28.0	
138	21.4	20.4	30.6	

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