

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092216\
 Data File : BE092403.D
 Acq On : 22 Sep 2016 19:43
 Operator : UM/SJ
 Sample : H4803-21
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

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Quant Time: Sep 23 03:33:15 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	9649	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	43865	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	27355	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	65442	5.00	ng	0.02
24) Chrysene-d12	21.75	240	97169	5.00	ng	0.00
31) Perylene-d12	24.12	264	88034	5.00	ng	0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	17769	7.81	ng	-0.02
5) Phenol-d6	7.34	99	23006	7.09	ng	-0.02
8) Nitrobenzene-d5	9.34	82	9841	3.17	ng	-0.02
13) 2,4,6-Tribromophenol	16.32	330	6758	6.99	ng	0.00
14) 2-Fluorobiphenyl	13.45	172	26228	4.05	ng	0.00
26) Terphenyl-d14	20.19	244	43868	3.64	ng	0.02
Target Compounds						Qvalue
9) Naphthalene	10.99	128	39480	4.16	ng	# 96
15) Acenaphthylene	14.52	152	399518	10.09	ng	100
16) Acenaphthene	14.88	154	13667	2.20	ng	96
17) Fluorene	15.87	166	26546	3.37	ng	99
21) Phenanthrene	17.60	178	17407	1.16	ng	# 95
22) Anthracene	17.72	178	30358m	2.10	ng	
23) Fluoranthene	19.61	202	98770	1.38	ng	100
25) Pyrene	19.97	202	130477	1.55	ng	100
27) Benzo(a)anthracene	21.72	228	184155m	1.94	ng	
28) Chrysene	21.77	228	200577m	2.31	ng	
30) Indeno(1,2,3-cd)pyrene	26.61	276	248478	2.70	ng	96
32) Benzo(b)fluoranthene	23.38	252	44528m	2.09	ng	
33) Benzo(k)fluoranthene	23.43	252	59288	2.66	ng	93
34) Benzo(a)pyrene	24.01	252	68984	3.30	ng	# 95
35) Dibenzo(a,h)anthracene	26.65	278	69573	3.63	ng	94
36) Benzo(g,h,i)perylene	27.40	276	146802	1.78	ng	96

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

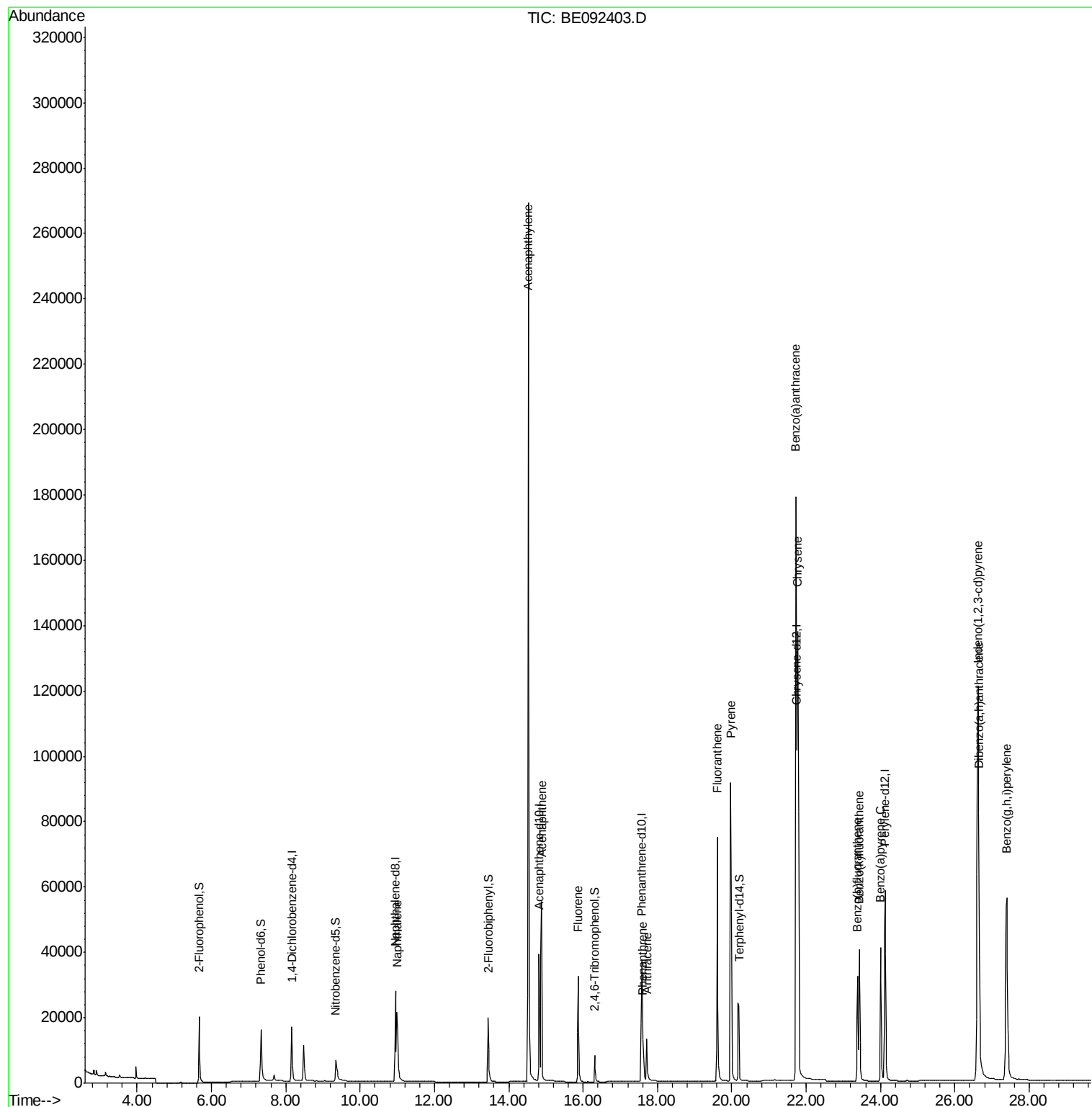
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092216\
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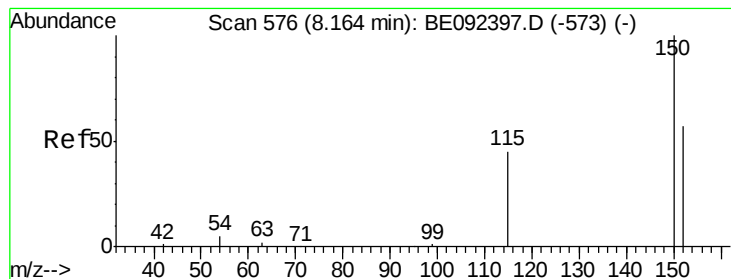
Instrument :
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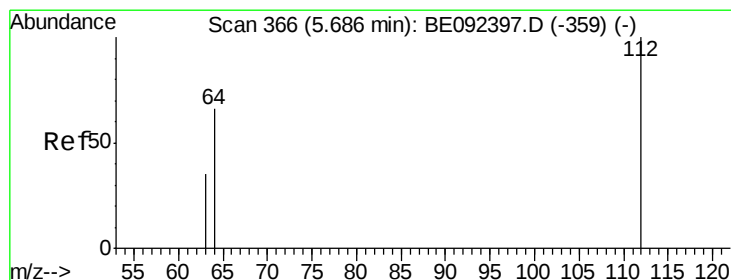
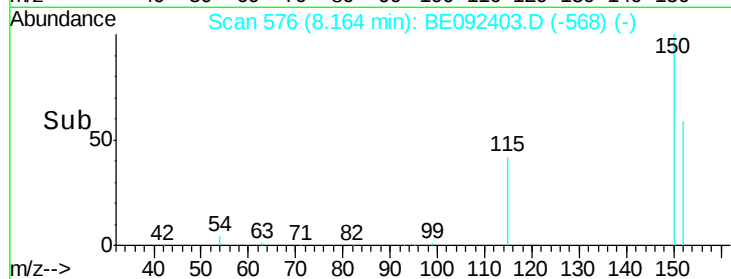
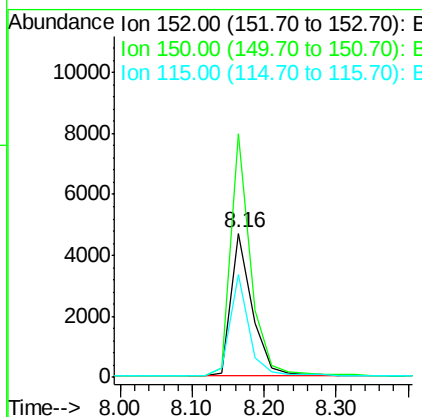
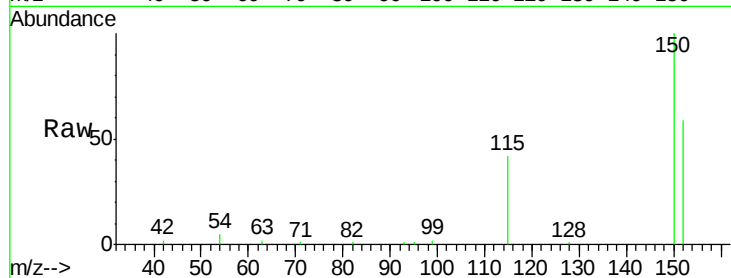
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.16 min Scan# 576
 Delta R.T. -0.02 min
 Lab File: BE092403.D
 Acq: 22 Sep 2016 19:43

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	169.4	106.0	159.0#
115	71.8	31.2	46.8#

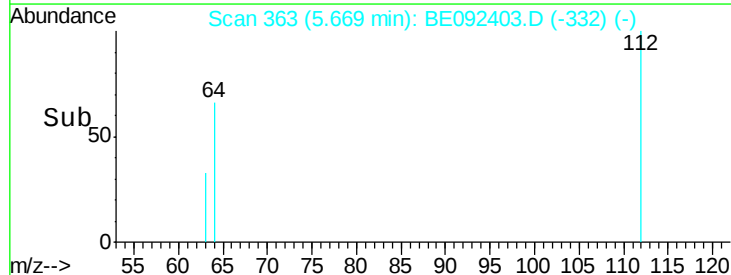
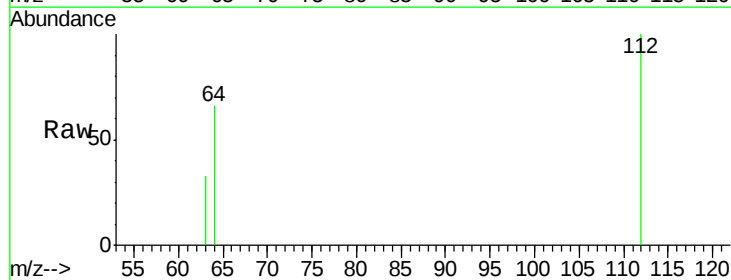
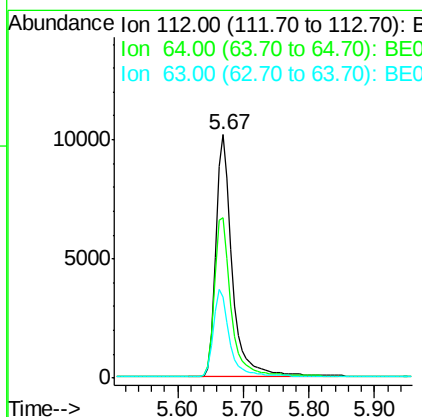
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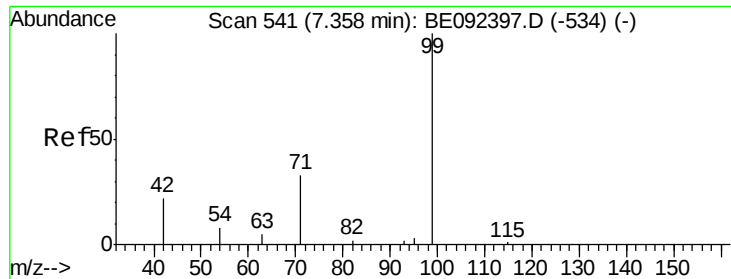
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#4
 2-Fluorophenol
 Concen: 7.81 ng
 RT: 5.67 min Scan# 363
 Delta R.T. -0.02 min
 Lab File: BE092403.D
 Acq: 22 Sep 2016 19:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	53.5	80.3
63	36.0	27.9	41.9





#5

Phenol-d6

Concen: 7.09 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092403.D

Acq: 22 Sep 2016 19:43

Instrument :

BNA_E

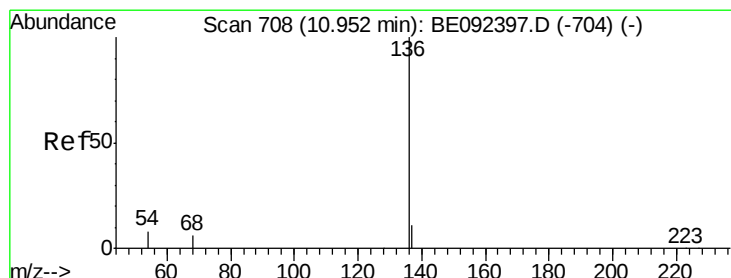
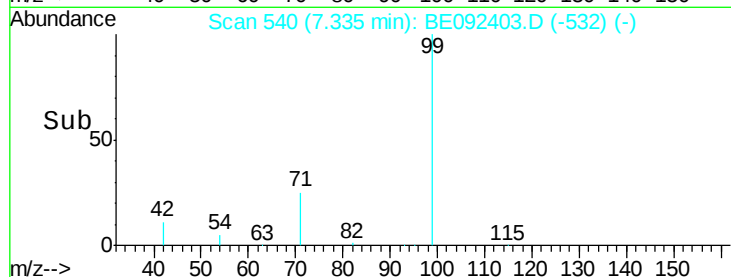
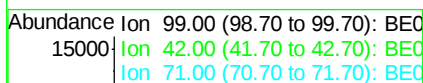
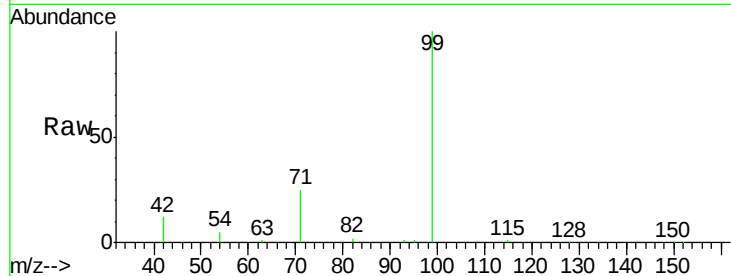
ClientSampleId :

RR-PAH-WP

Tgt Ion:	99	Resp:	23006
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	33.7	30.6	45.8

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#7

Naphthalene-d8

Concen: 5.00 ng

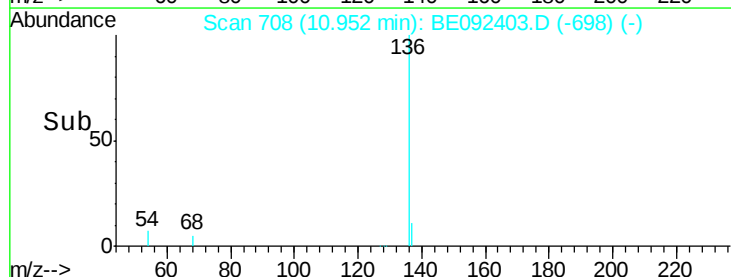
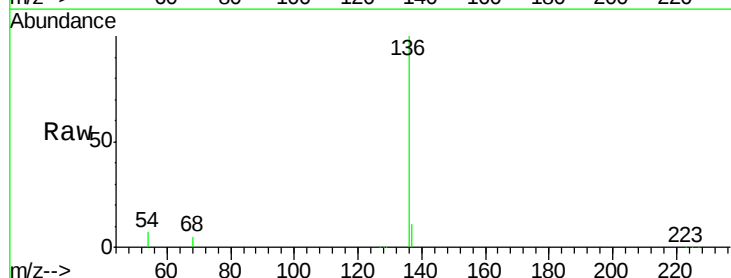
RT: 10.95 min Scan# 708

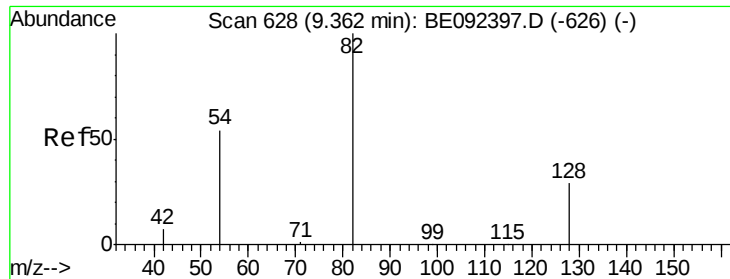
Delta R.T. 0.00 min

Lab File: BE092403.D

Acq: 22 Sep 2016 19:43

Tgt Ion:	136	Resp:	43865
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.2	12.4
54	7.1	9.6	14.4#
68	5.5	6.7	10.1#





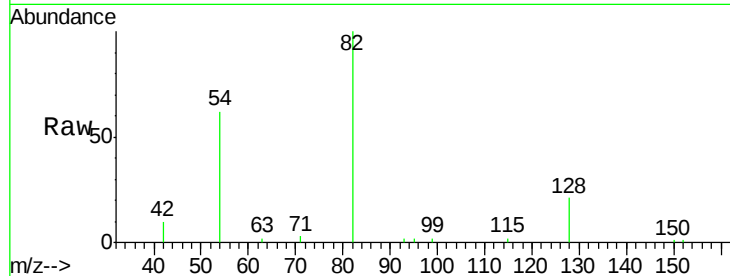
#8
 Nitrobenzene-d5
 Concen: 3.17 ng
 RT: 9.34 min Scan# 627
 Delta R.T. -0.02 min
 Lab File: BE092403.D
 Acq: 22 Sep 2016 19:43

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

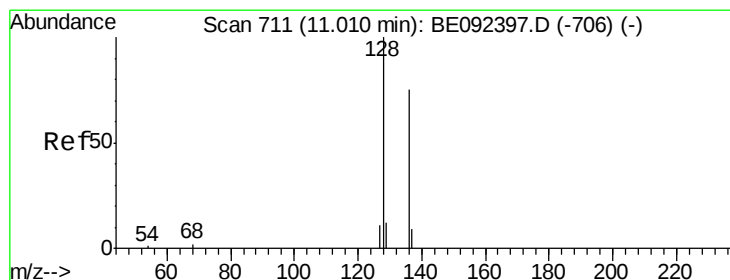
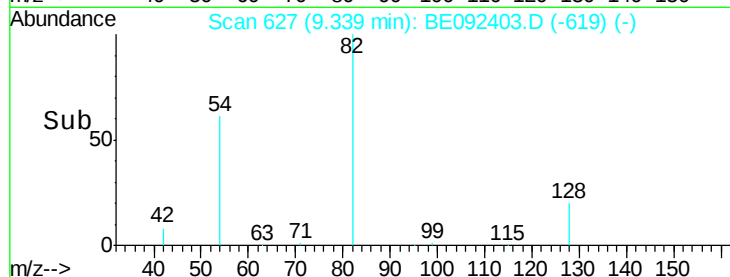
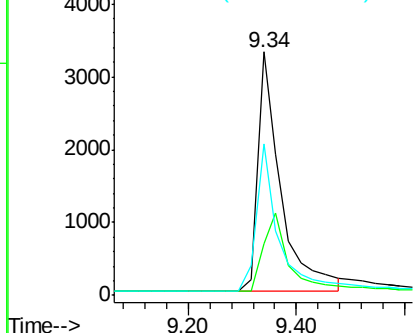
Tgt Ion	Ratio	Lower	Upper
82	100		
128	21.3	39.0	58.4#
54	62.1	44.8	67.2

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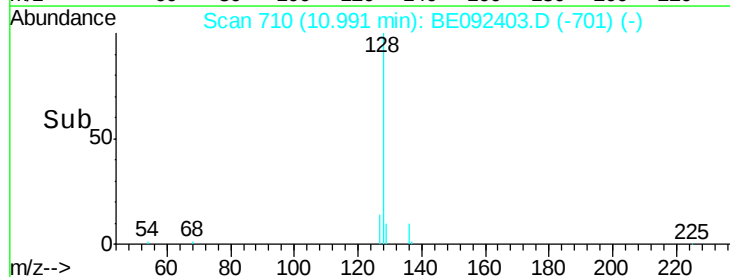
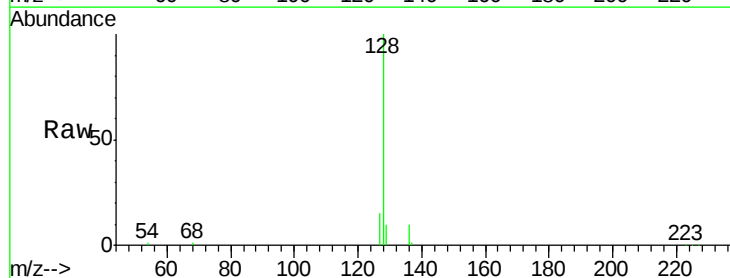
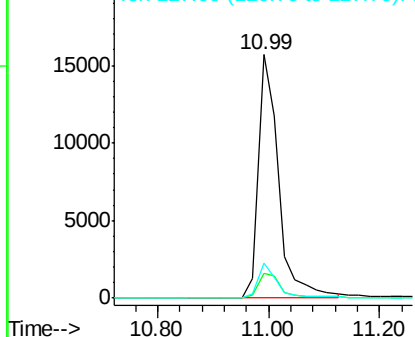
Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BE0

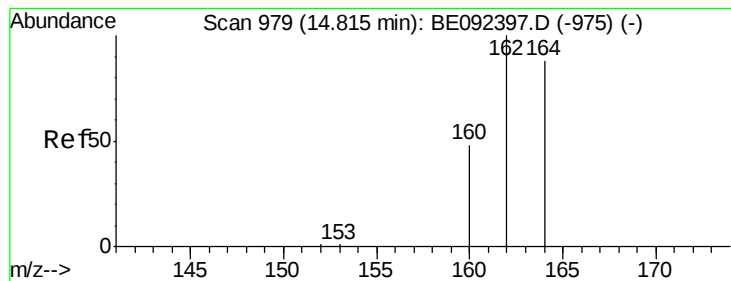


#9
 Naphthalene
 Concen: 4.16 ng
 RT: 10.99 min Scan# 710
 Delta R.T. -0.02 min
 Lab File: BE092403.D
 Acq: 22 Sep 2016 19:43

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	11.2	16.8#
127	14.5	11.6	17.4

Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.81 min Scan# 979

Delta R.T. -0.00 min

Lab File: BE092403.D

Acq: 22 Sep 2016 19:43

Instrument :

BNA_E

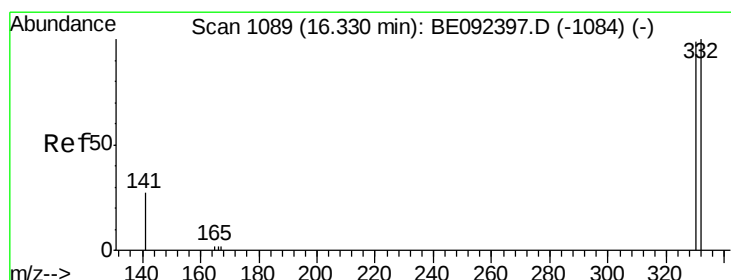
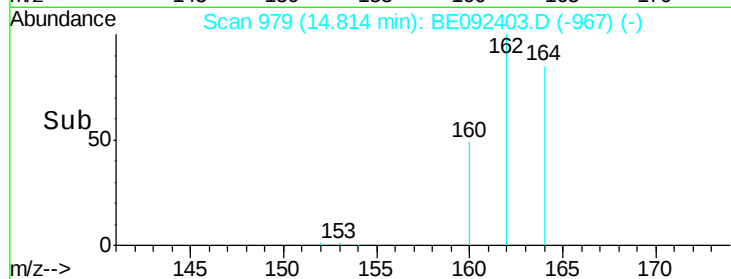
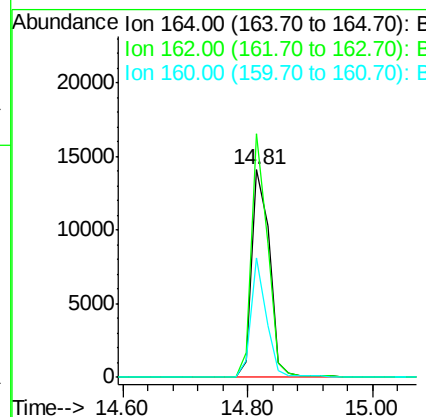
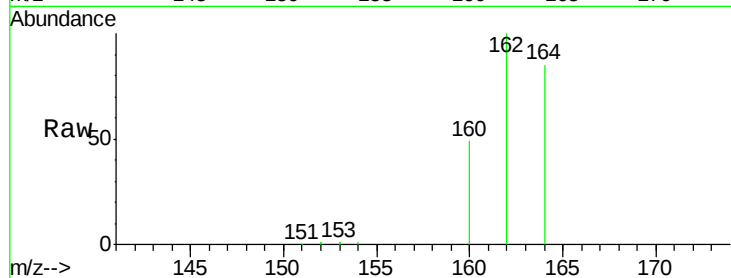
ClientSampled :

RR-PAH-WP

Tgt Ion:164 Resp: 27355
 Ion Ratio Lower Upper
 164 100
 162 117.3 71.4 107.0#
 160 57.4 27.4 41.2#

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#13

2,4,6-Tribromophenol

Concen: 6.99 ng

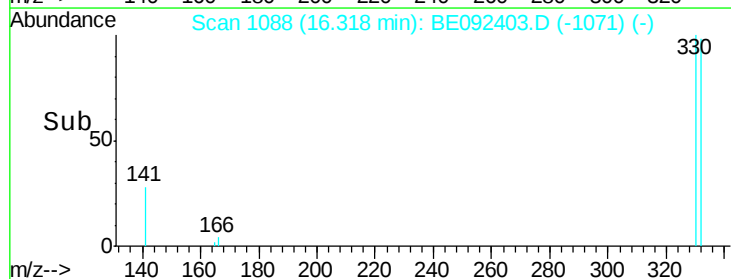
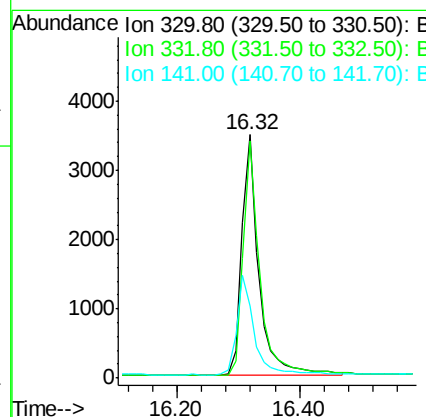
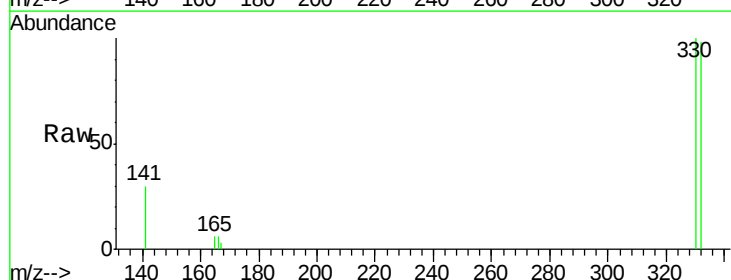
RT: 16.32 min Scan# 1088

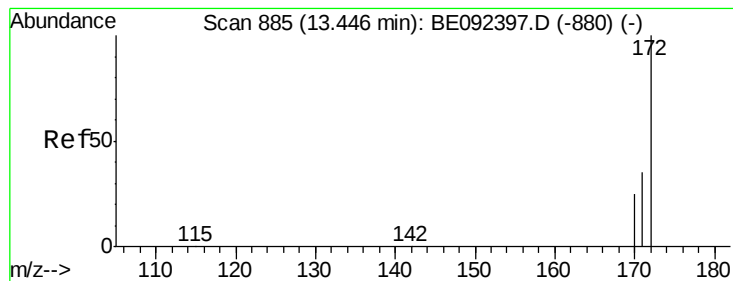
Delta R.T. 0.00 min

Lab File: BE092403.D

Acq: 22 Sep 2016 19:43

Tgt Ion:330 Resp: 6758
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.4 113.0
 141 41.6 31.0 46.6





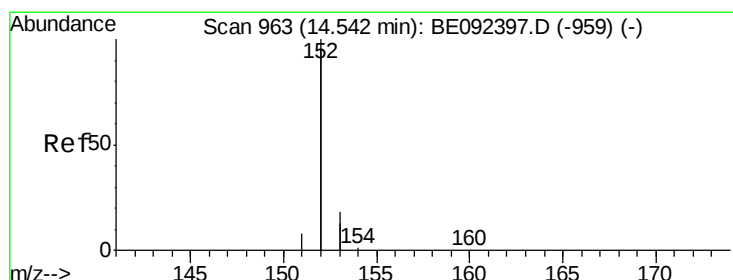
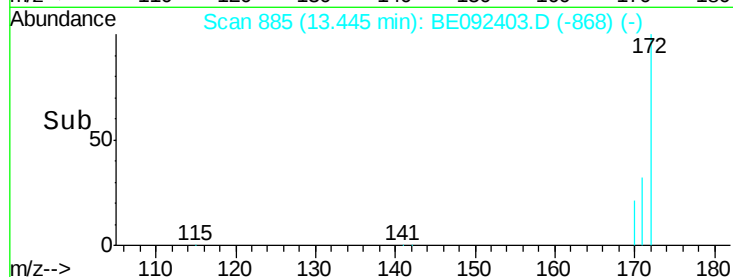
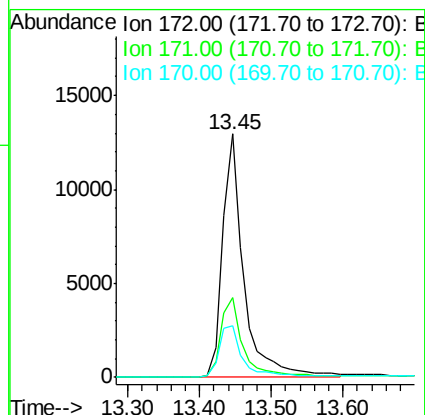
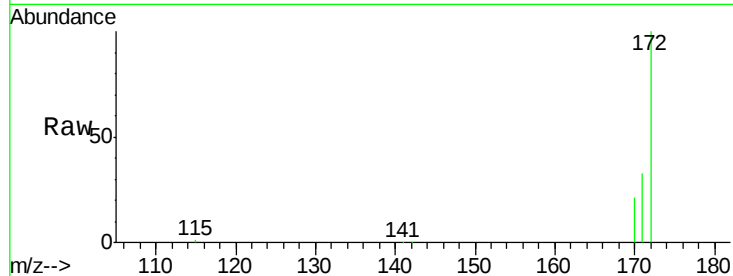
#14
2-Fluorobiphenyl
Concen: 4.05 ng
RT: 13.45 min Scan# 885
Delta R.T. 0.00 min
Lab File: BE092403.D
Acq: 22 Sep 2016 19:43

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.7	30.1	45.1
170	21.0	21.8	32.6

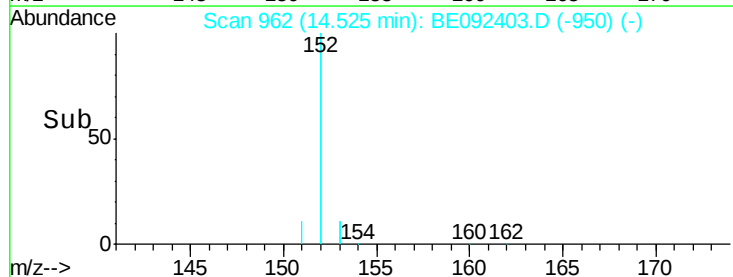
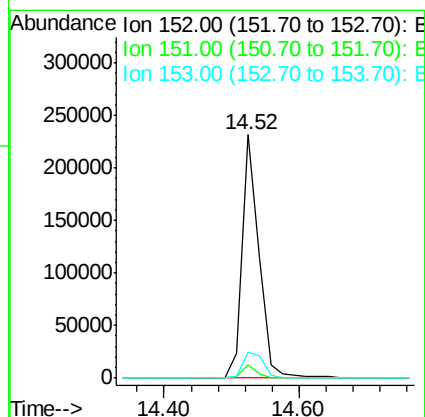
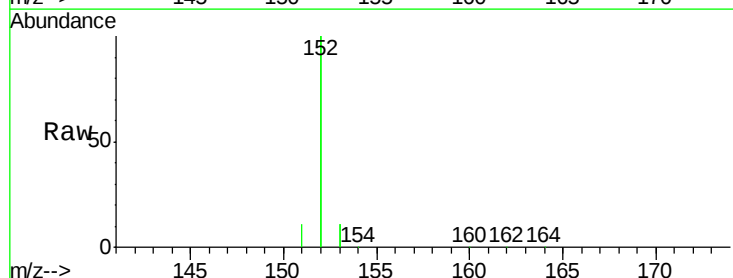
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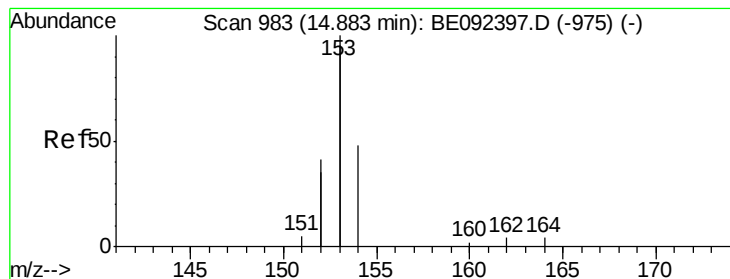
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#15
Acenaphthylene
Concen: 10.09 ng
RT: 14.52 min Scan# 962
Delta R.T. -0.00 min
Lab File: BE092403.D
Acq: 22 Sep 2016 19:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.0	10.4	15.6





#16

Acenaphthene

Concen: 2.20 ng

RT: 14.88 min Scan# 983

Delta R.T. -0.00 min

Lab File: BE092403.D

Acq: 22 Sep 2016 19:43

Instrument :

BNA_E

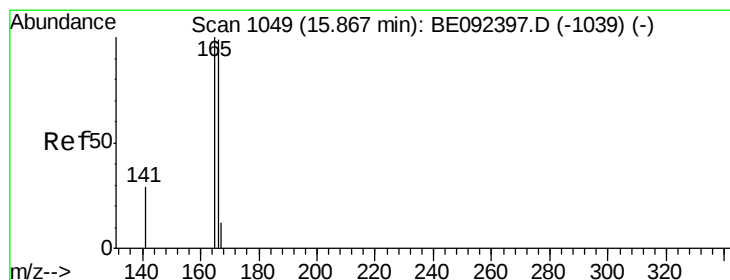
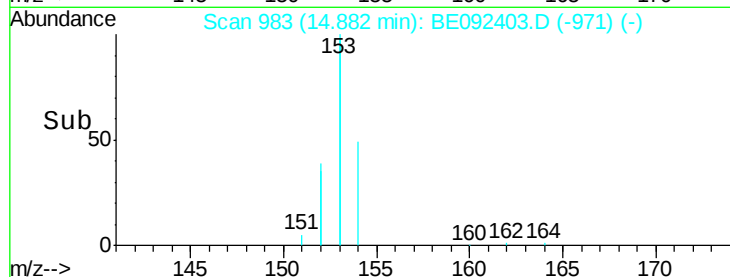
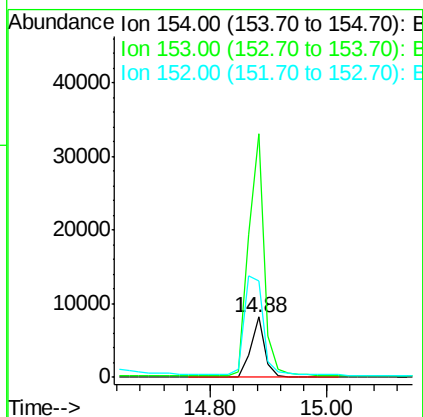
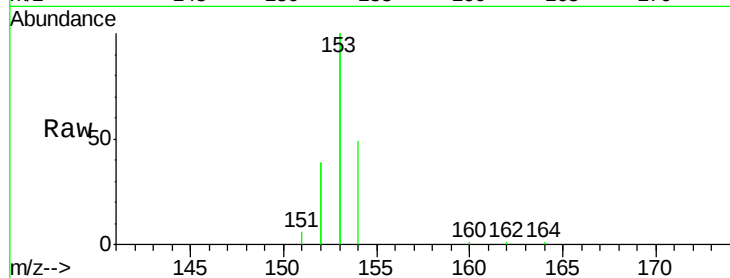
ClientSampleId :

RR-PAH-WP

Tgt Ion:	154	Resp:	13667
Ion Ratio	Lower	Upper	
154	100		
153	447.1	350.8	526.2
152	221.8	171.1	256.7

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#17

Fluorene

Concen: 3.37 ng

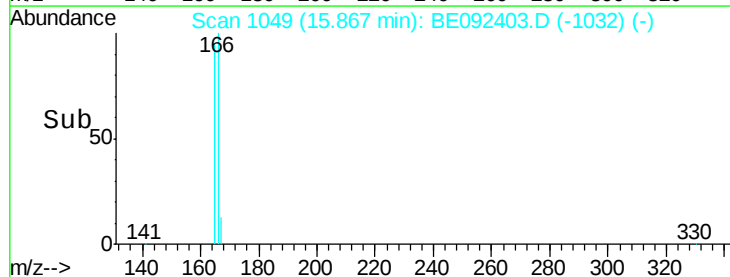
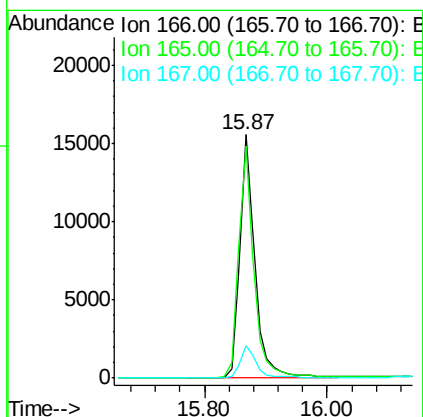
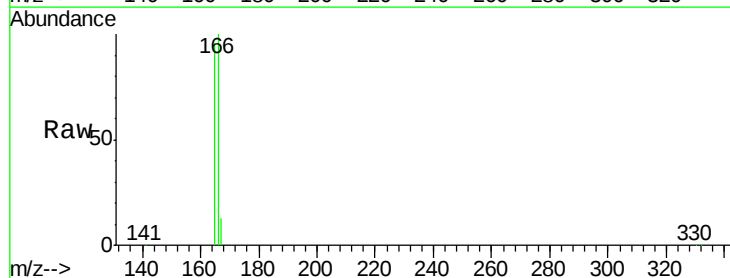
RT: 15.87 min Scan# 1049

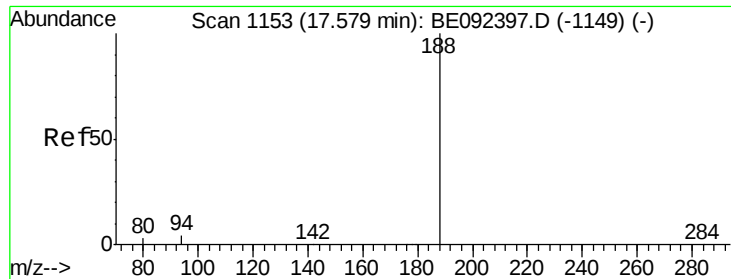
Delta R.T. -0.00 min

Lab File: BE092403.D

Acq: 22 Sep 2016 19:43

Tgt Ion:	166	Resp:	26546
Ion Ratio	Lower	Upper	
166	100		
165	96.8	78.2	117.4
167	13.4	11.0	16.4





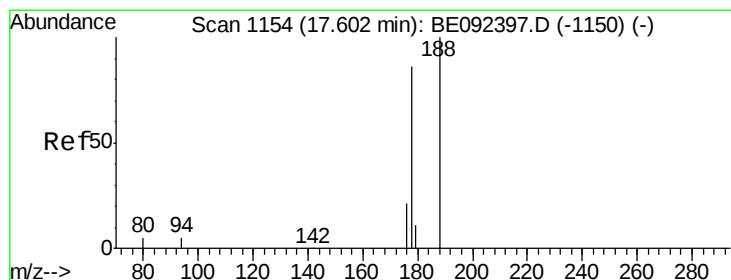
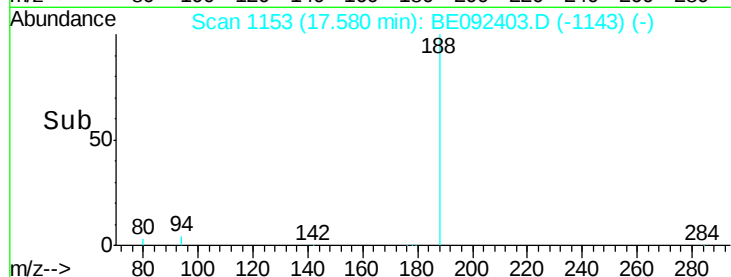
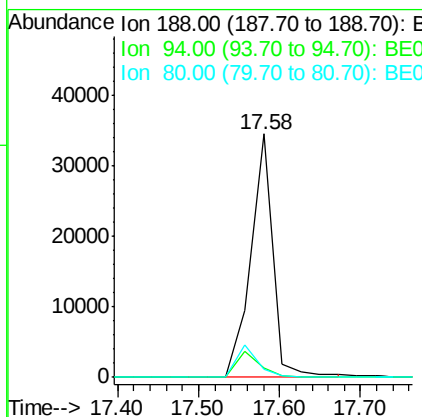
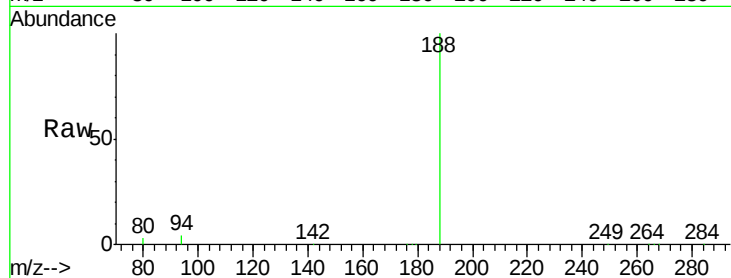
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1153
Delta R.T. 0.02 min
Lab File: BE092403.D
Acq: 22 Sep 2016 19:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	3.8	3.2	4.8
80	3.1	2.6	3.8

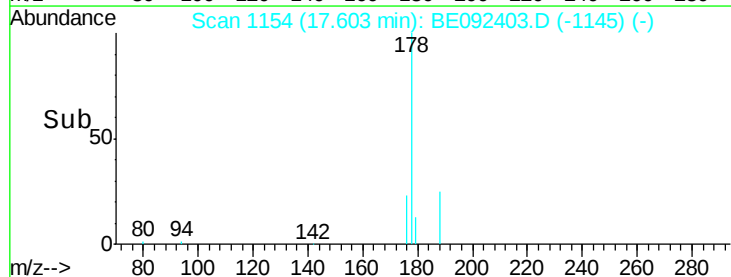
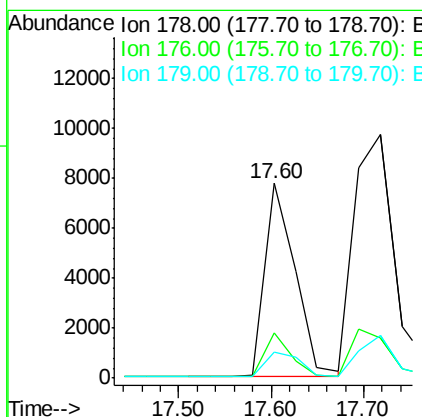
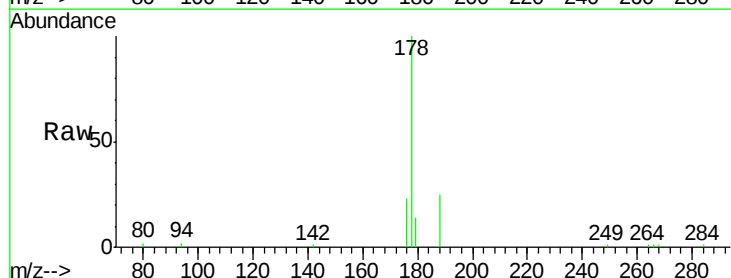
Manual Integrations
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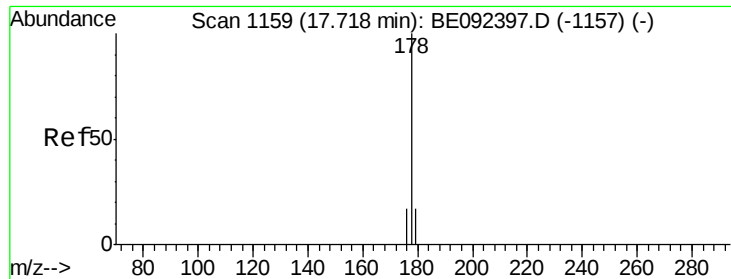
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#21
Phenanthrene
Concen: 1.16 ng
RT: 17.60 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092403.D
Acq: 22 Sep 2016 19:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.0	15.8	23.8
179	15.3	16.0	24.0#





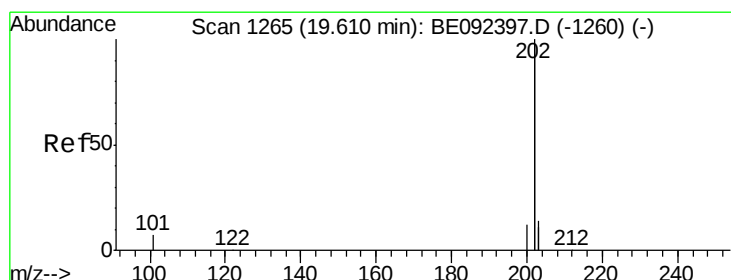
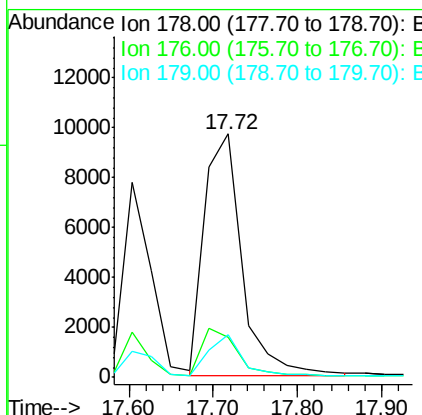
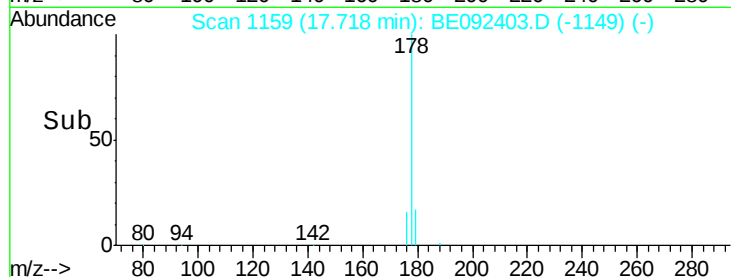
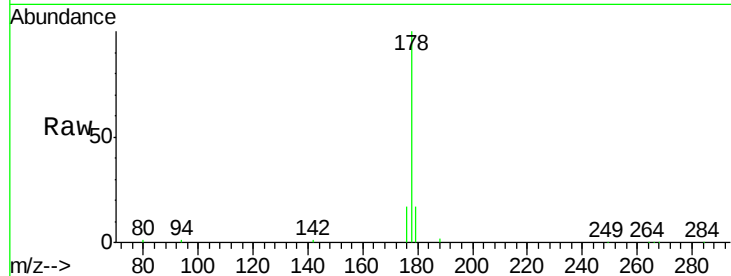
#22
 Anthracene
 Concen: 2.10 ng m
 RT: 17.72 min Scan# 1159
 Delta R.T. 0.02 min
 Lab File: BE092403.D
 Acq: 22 Sep 2016 19:43

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

Tgt Ion:178 Resp: 30358
 Ion Ratio Lower Upper
 178 100
 176 11.4 15.0 22.4#
 179 8.6 12.2 18.2#

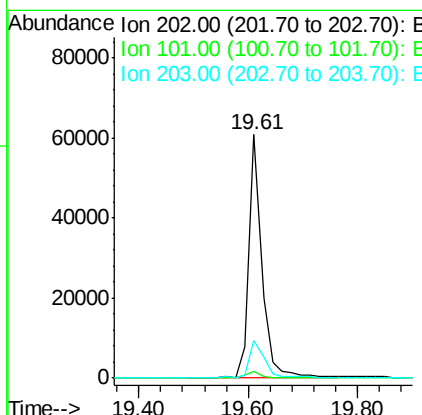
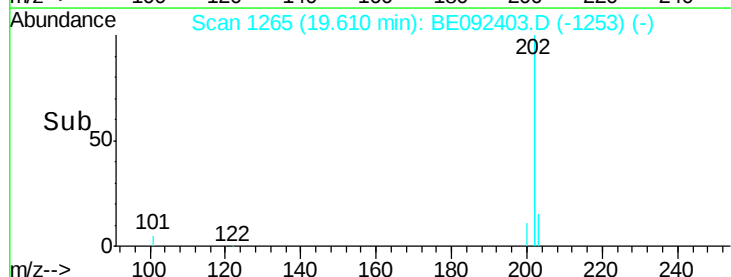
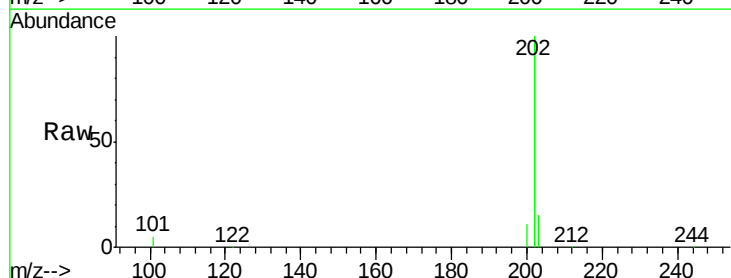
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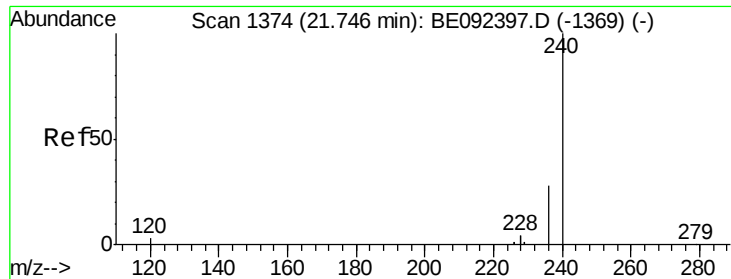
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#23
 Fluoranthene
 Concen: 1.38 ng
 RT: 19.61 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: BE092403.D
 Acq: 22 Sep 2016 19:43

Tgt Ion:202 Resp: 98770
 Ion Ratio Lower Upper
 202 100
 101 2.8 2.2 3.4
 203 17.1 13.7 20.5





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092403.D

Acq: 22 Sep 2016 19:43

Instrument :

BNA_E

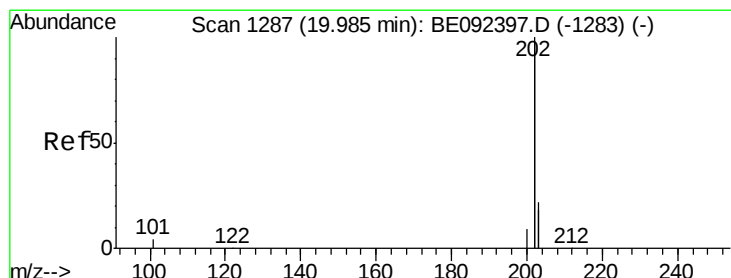
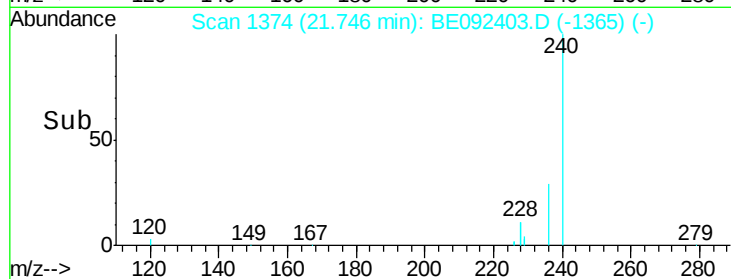
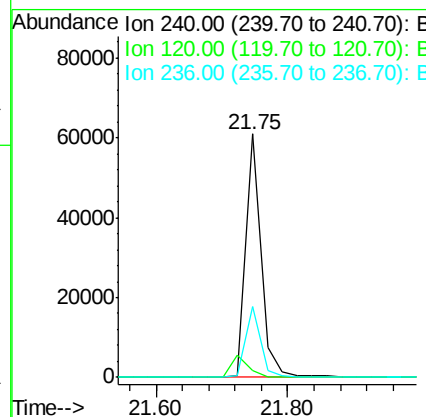
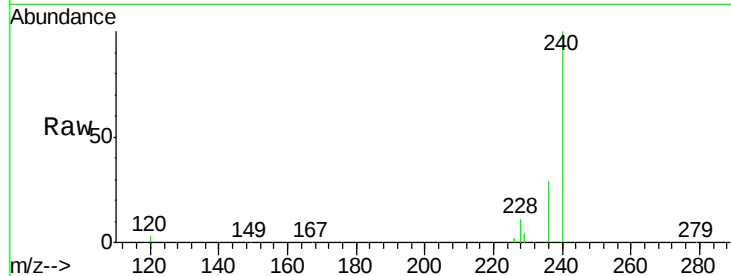
ClientSampleId :

RR-PAH-WP

Tgt Ion	Ratio	Lower	Upper
240	100		
120	2.8	2.6	4.0
236	29.0	24.6	37.0

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#25

Pyrene

Concen: 1.55 ng

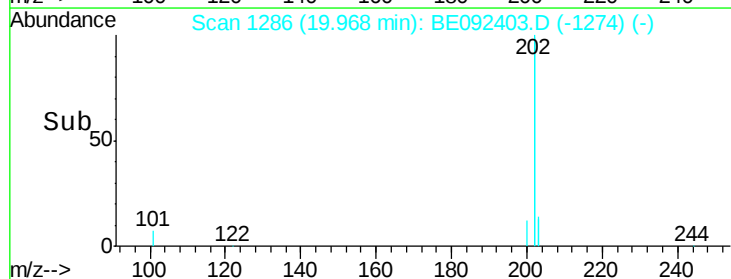
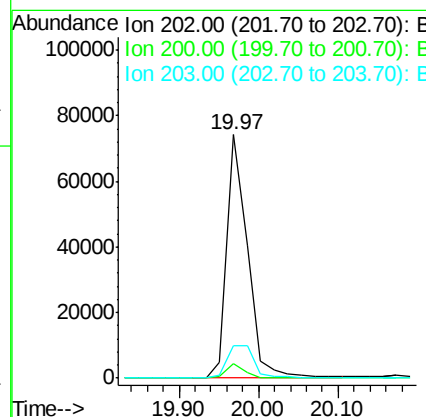
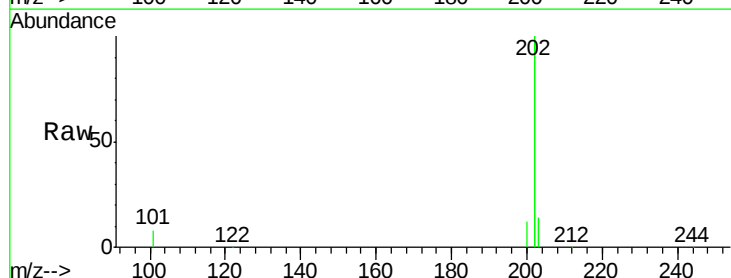
RT: 19.97 min Scan# 1286

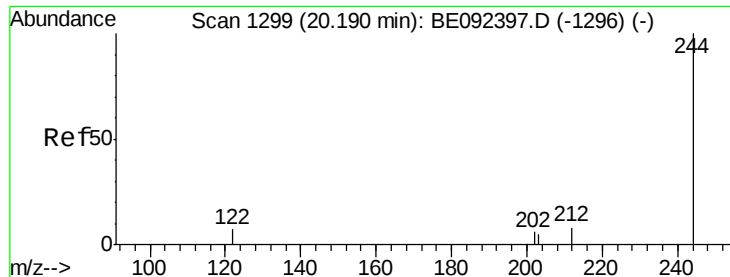
Delta R.T. -0.00 min

Lab File: BE092403.D

Acq: 22 Sep 2016 19:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	17.5	13.9	20.9





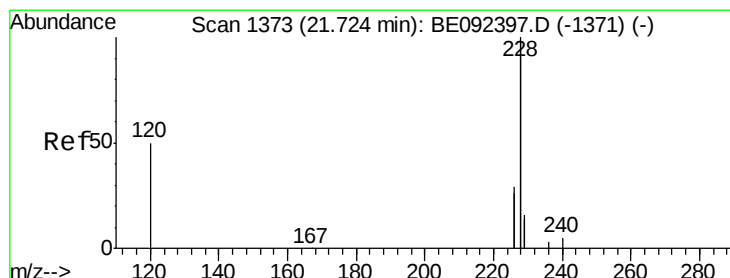
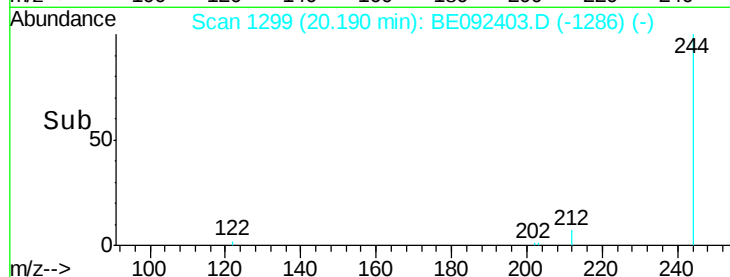
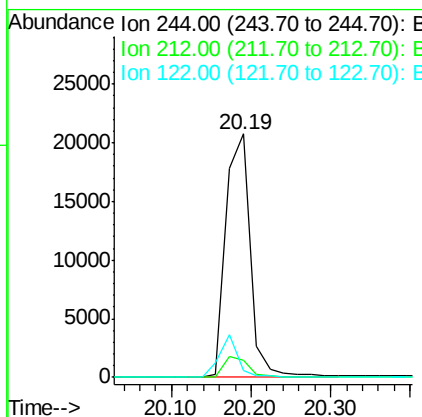
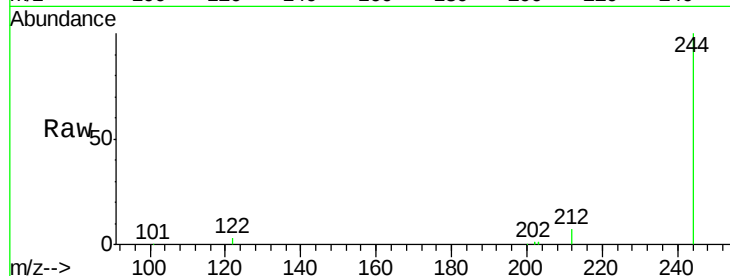
#26
 Terphenyl-d14
 Concen: 3.64 ng
 RT: 20.19 min Scan# 1299
 Delta R.T. 0.02 min
 Lab File: BE092403.D
 Acq: 22 Sep 2016 19:43

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.1	6.7	10.1
122	2.8	3.6	5.4

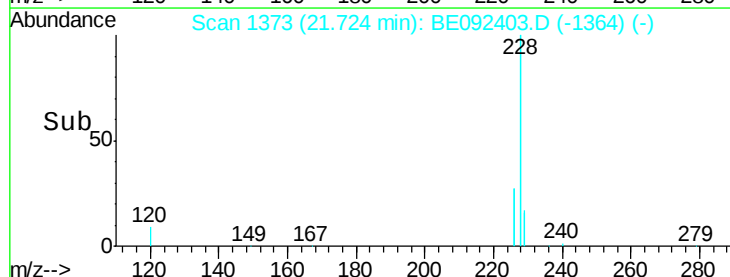
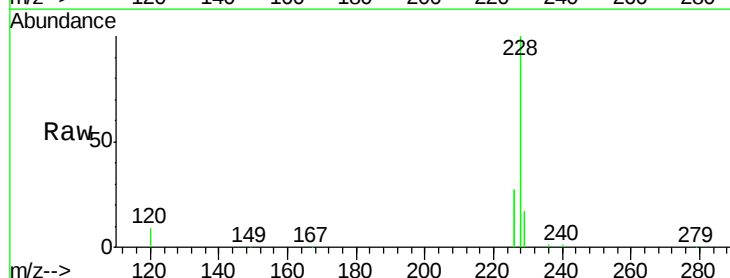
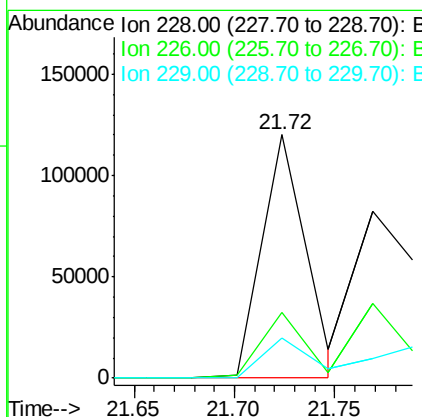
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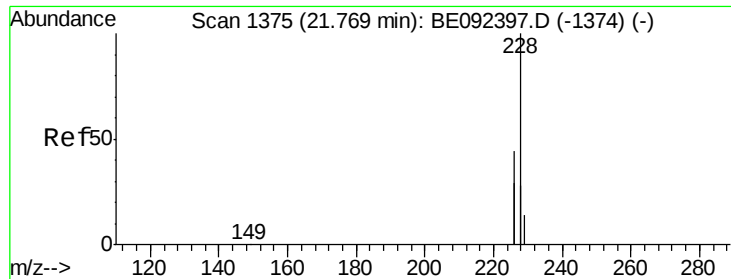
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#27
 Benzo(a)anthracene
 Concen: 1.94 ng m
 RT: 21.72 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BE092403.D
 Acq: 22 Sep 2016 19:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.1	23.6	35.4
229	16.7	13.3	19.9





#28

Chrysene

Concen: 2.31 ng m

RT: 21.77 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092403.D

Acq: 22 Sep 2016 19:43

Instrument :

BNA_E

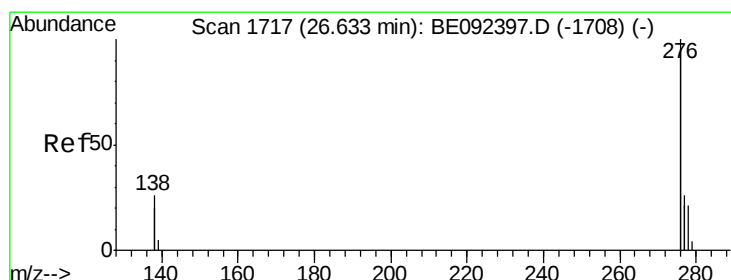
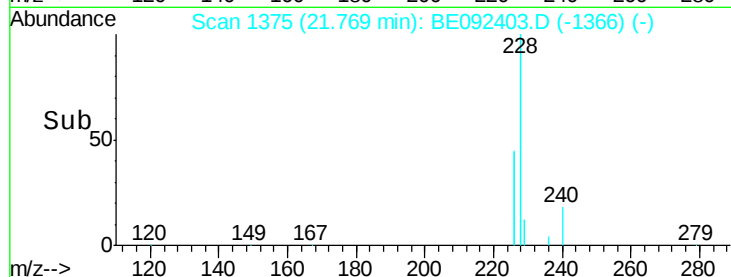
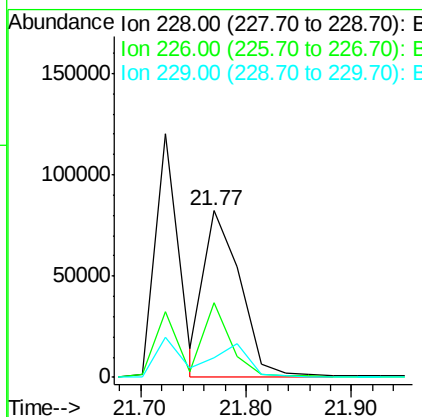
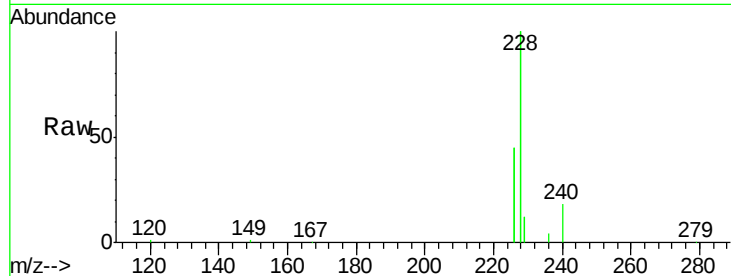
ClientSampleId :

RR-PAH-WP

Tgt Ion:	228	Resp:	200577
Ion Ratio	Lower	Upper	
228	100		
226	44.6	36.3	54.5
229	12.0	10.6	16.0

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#30

Indeno(1,2,3-cd)pyrene

Concen: 2.70 ng

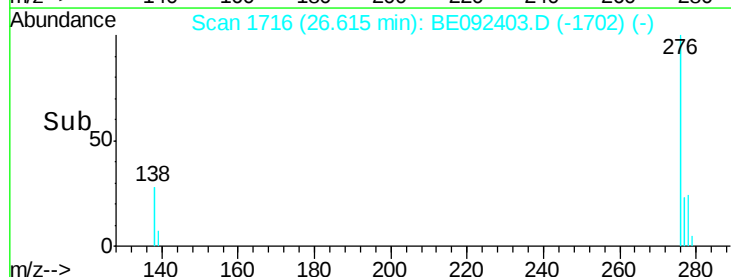
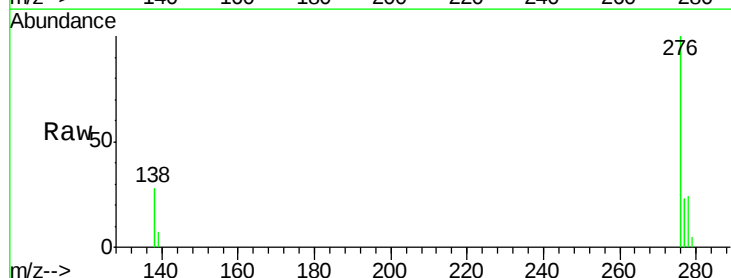
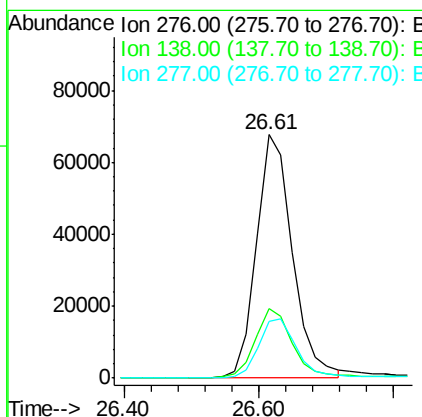
RT: 26.61 min Scan# 1716

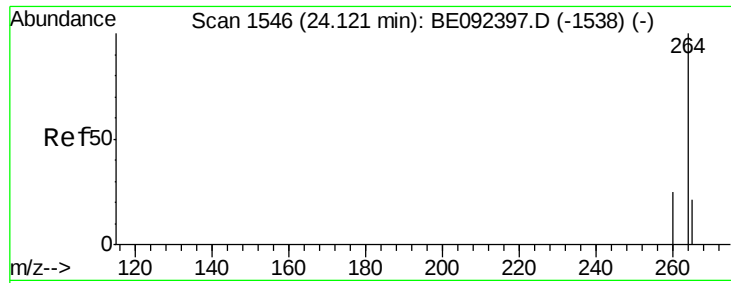
Delta R.T. 0.03 min

Lab File: BE092403.D

Acq: 22 Sep 2016 19:43

Tgt Ion:	276	Resp:	248478
Ion Ratio	Lower	Upper	
276	100		
138	28.6	20.3	30.5
277	25.0	19.7	29.5





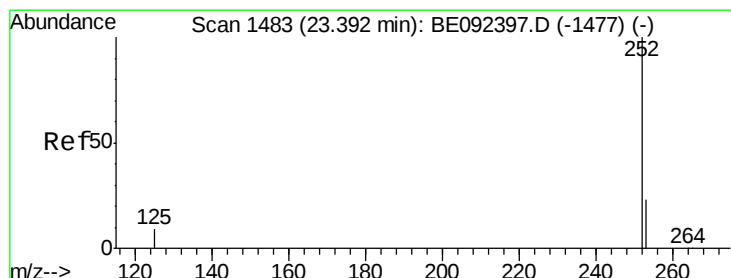
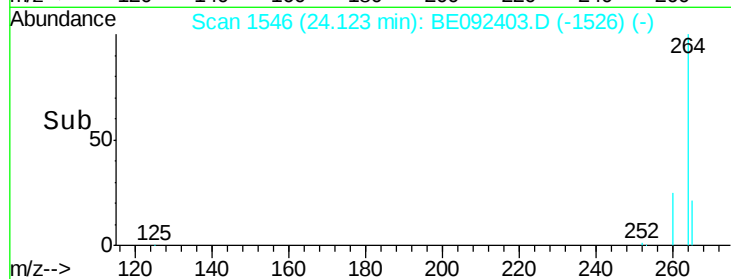
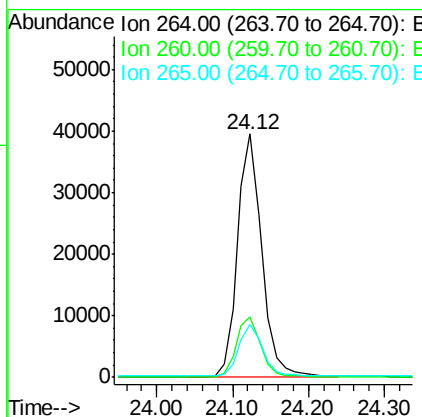
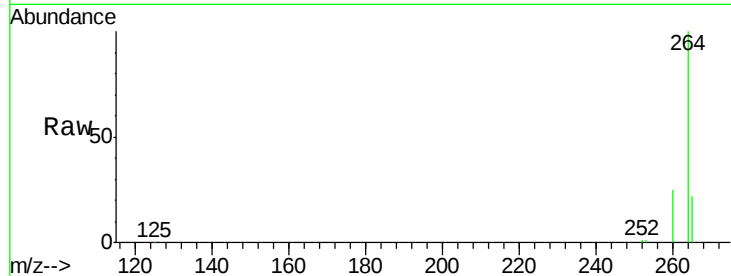
#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.12 min Scan# 1546
 Delta R.T. 0.04 min
 Lab File: BE092403.D
 Acq: 22 Sep 2016 19:43

Instrument :
 BNA_E
 ClientSampled :
 RR-PAH-WP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.1	30.1
265	22.0	17.9	26.9

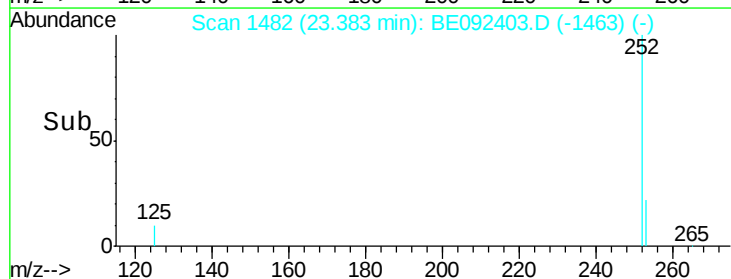
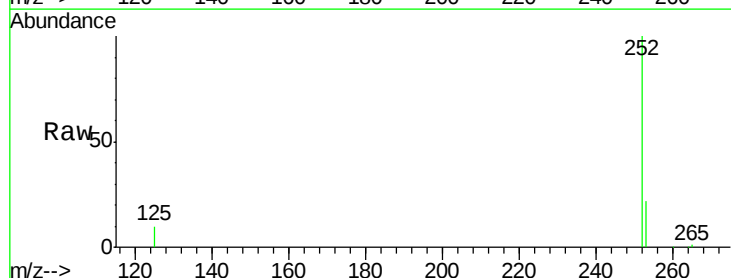
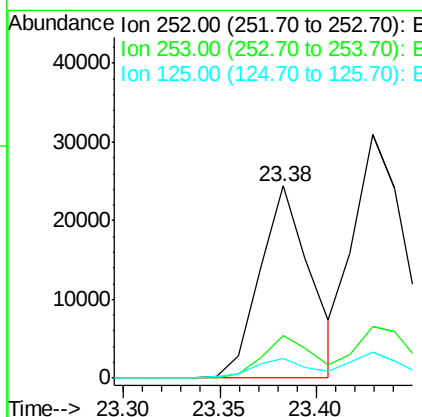
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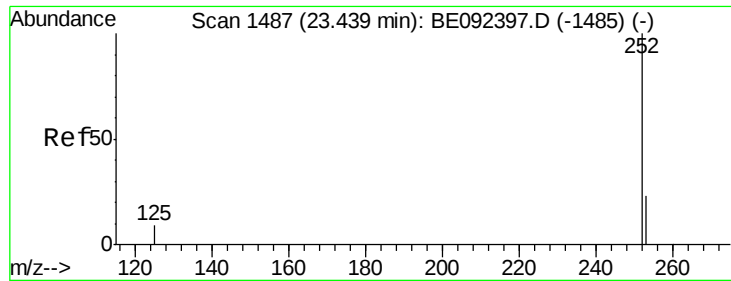
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#32
 Benzo(b)fluoranthene
 Concen: 2.09 ng m
 RT: 23.38 min Scan# 1482
 Delta R.T. 0.02 min
 Lab File: BE092403.D
 Acq: 22 Sep 2016 19:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.7	28.1
125	10.3	10.5	15.7#





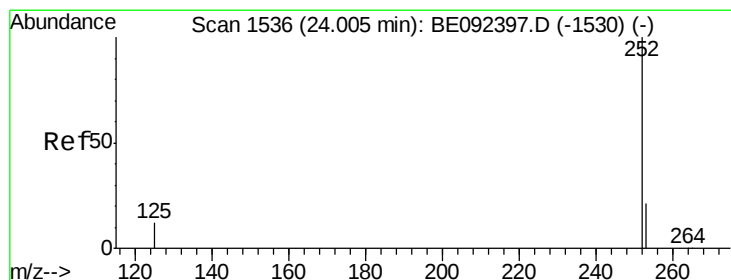
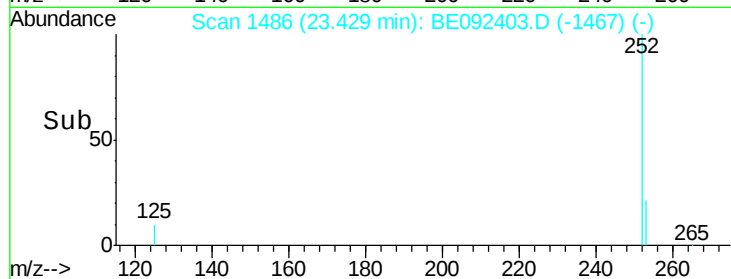
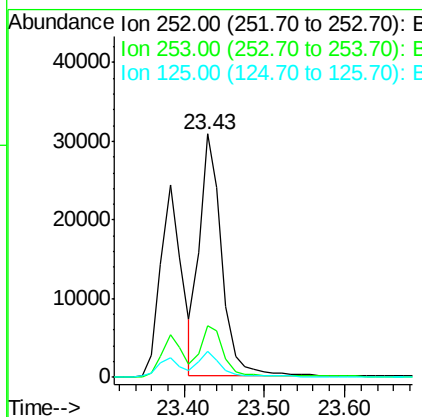
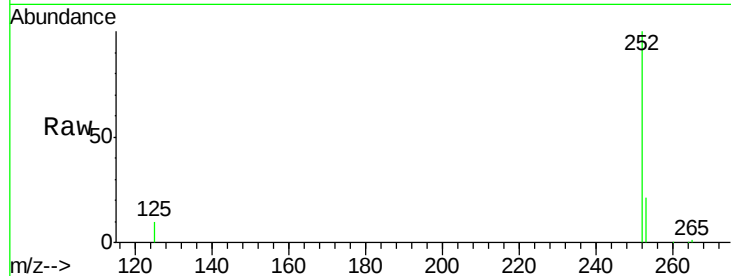
#33
Benzo(k)fluoranthene
Concen: 2.66 ng
RT: 23.43 min Scan# 1486
Delta R.T. 0.02 min
Lab File: BE092403.D
Acq: 22 Sep 2016 19:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	20.3	30.5
125	10.5	9.6	14.4

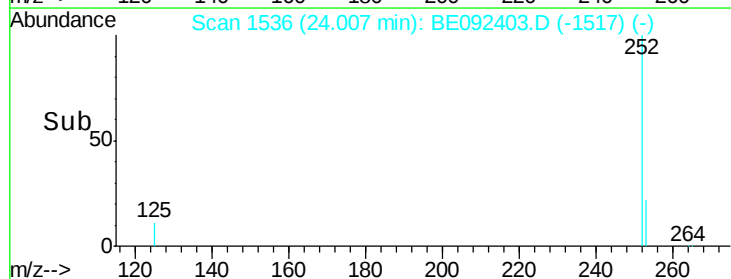
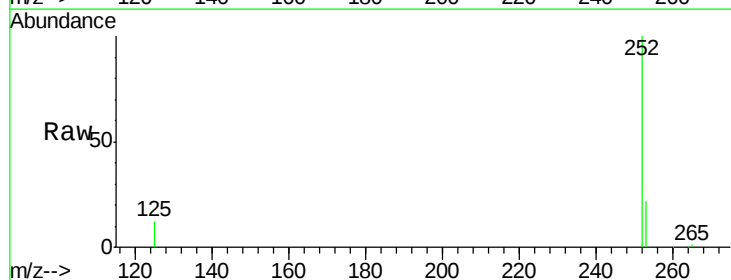
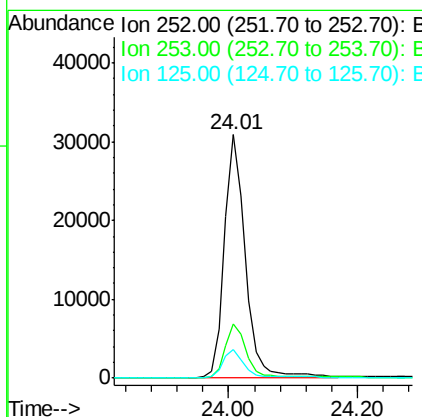
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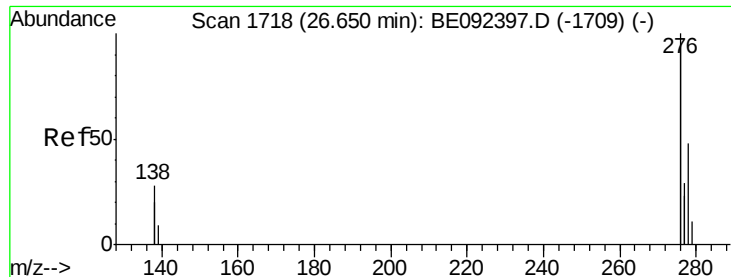
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#34
Benzo(a)pyrene
Concen: 3.30 ng
RT: 24.01 min Scan# 1536
Delta R.T. 0.02 min
Lab File: BE092403.D
Acq: 22 Sep 2016 19:43

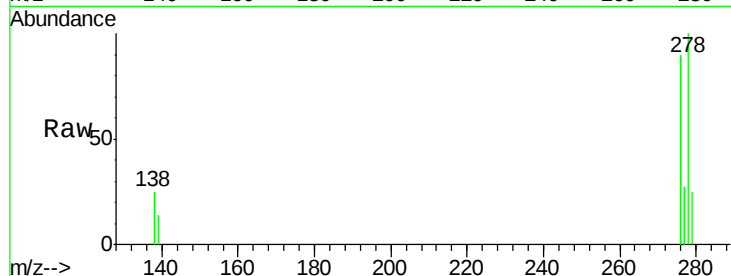
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.0	28.6
125	11.6	11.8	17.8#





#35
Dibenzo(a,h)anthracene
Concen: 3.63 ng
RT: 26.65 min Scan# 1718
Delta R.T. 0.05 min
Lab File: BE092403.D
Acq: 22 Sep 2016 19:43

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

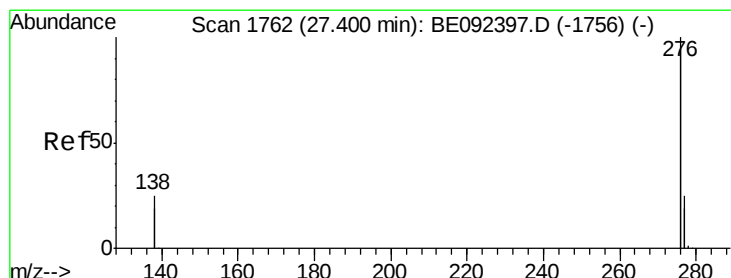
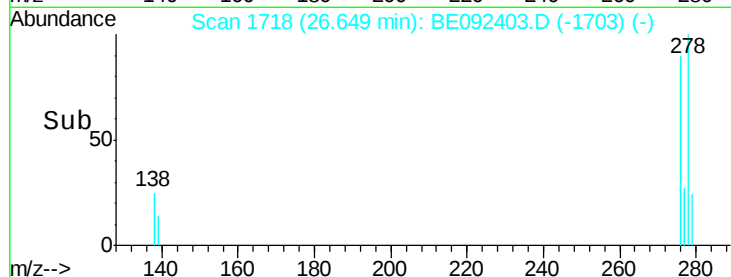
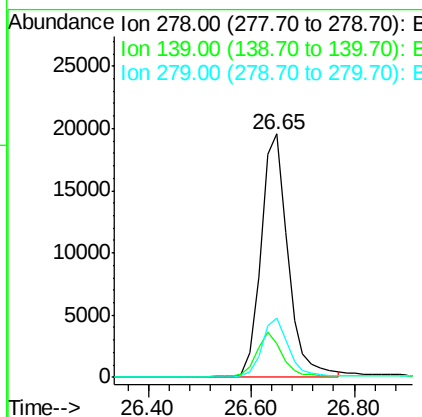


Tgt Ion: 278 Resp: 69573

Ion	Ratio	Lower	Upper
278	100		
139	14.0	13.8	20.8
279	24.6	21.4	32.2

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#36
Benzo(g,h,i)perylene
Concen: 1.78 ng
RT: 27.40 min Scan# 1762
Delta R.T. 0.05 min
Lab File: BE092403.D
Acq: 22 Sep 2016 19:43

Tgt Ion: 276 Resp: 146802

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.8
138	20.7	19.8	29.6

