

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092316\
 Data File : BE092413.D
 Acq On : 23 Sep 2016 13:19
 Operator : UM/SJ
 Sample : H4803-21DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WPDL

Manual Integrations
 APPROVED

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Quant Time: Sep 23 14:22:22 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	5810	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	26017	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	21435	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	45587	5.00	ng	0.02
24) Chrysene-d12	21.75	240	58269	5.00	ng	0.00
31) Perylene-d12	24.12	264	52428	5.00	ng	0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	6155	4.54	ng	-0.02
5) Phenol-d6	7.33	99	7371	3.81	ng	-0.02
8) Nitrobenzene-d5	9.36	82	2818	1.61	ng	0.00
13) 2,4,6-Tribromophenol	16.32	330	2290	3.11	ng	0.00
14) 2-Fluorobiphenyl	13.45	172	10563	2.08	ng	0.00
26) Terphenyl-d14	20.19	244	17965	2.49	ng	0.02
Target Compounds						
9) Naphthalene	11.01	128	15720	2.79	ng	Qvalue 95
15) Acenaphthylene	14.53	152	173094	5.58	ng	100
16) Acenaphthene	14.88	154	6068	1.25	ng	96
17) Fluorene	15.88	166	11504	1.87	ng	100
21) Phenanthrene	17.63	178	7838	0.75	ng	# 74
22) Anthracene	17.72	178	12427	1.23	ng	100
23) Fluoranthene	19.61	202	40934	0.82	ng	100
25) Pyrene	19.97	202	52297	1.04	ng	99
27) Benzo(a)anthracene	21.72	228	69639m	1.23	ng	
28) Chrysene	21.79	228	85268m	1.64	ng	
30) Indeno(1,2,3-cd)pyrene	26.63	276	94973	1.72	ng	96
32) Benzo(b)fluoranthene	23.38	252	16788	1.32	ng	96
33) Benzo(k)fluoranthene	23.43	252	24046	1.81	ng	94
34) Benzo(a)pyrene	24.01	252	27371	2.20	ng	96
35) Dibenzo(a,h)anthracene	26.65	278	26609	2.33	ng	96
36) Benzo(g,h,i)perylene	27.40	276	56352	1.15	ng	98

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

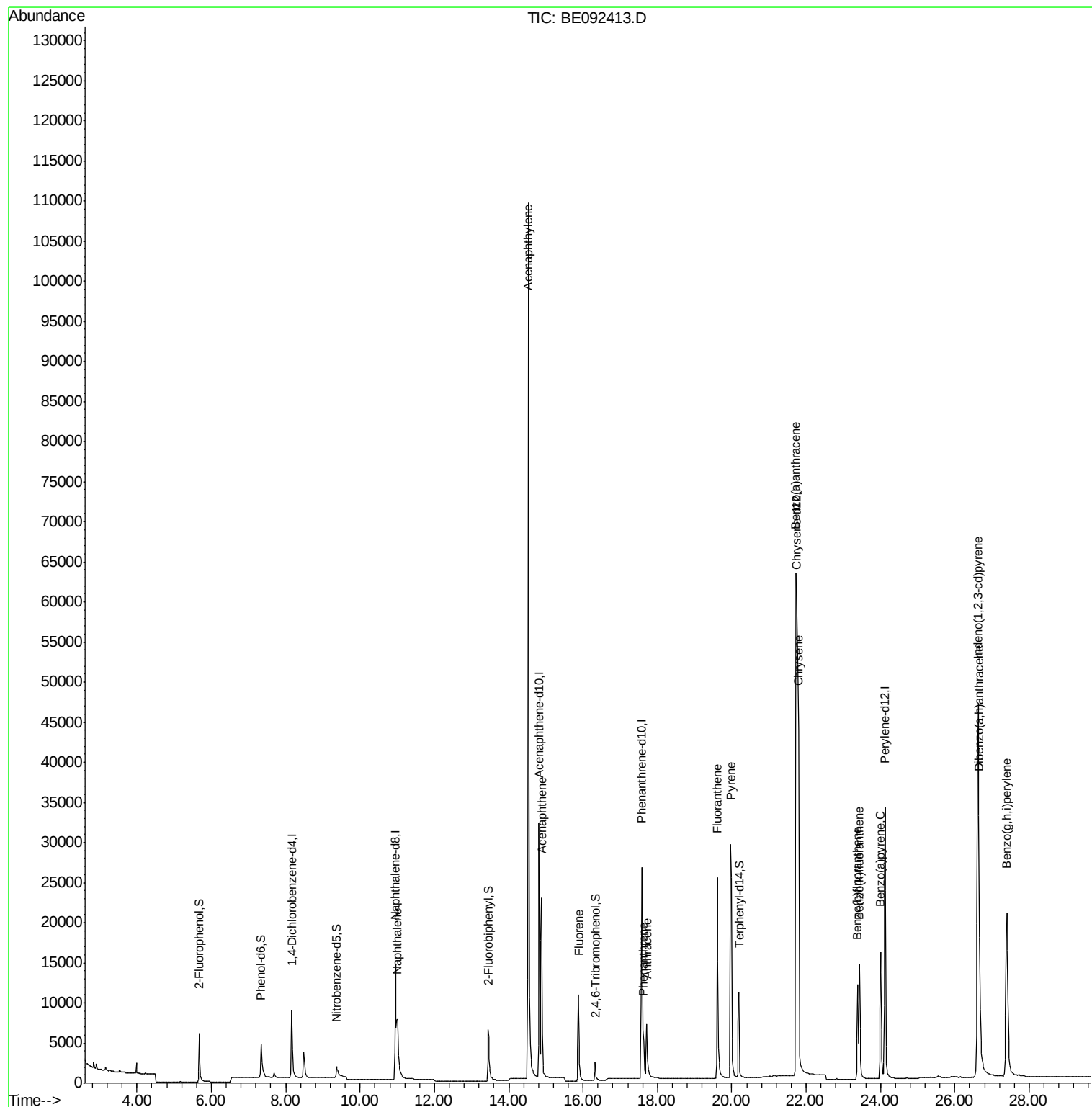
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092316\
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Quant Time: Sep 23 14:22:22 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 22 18:25:56 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

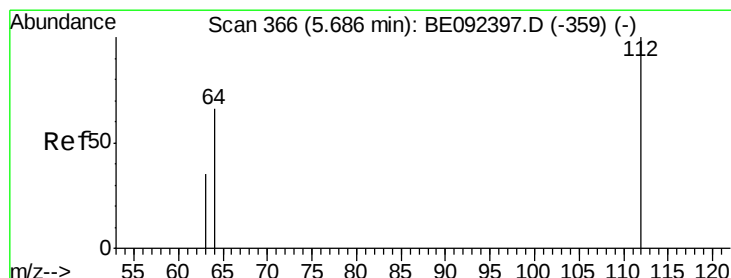
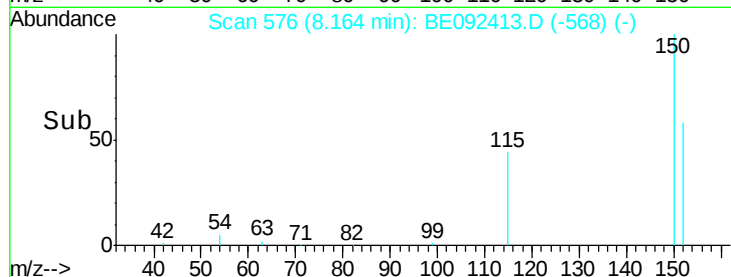
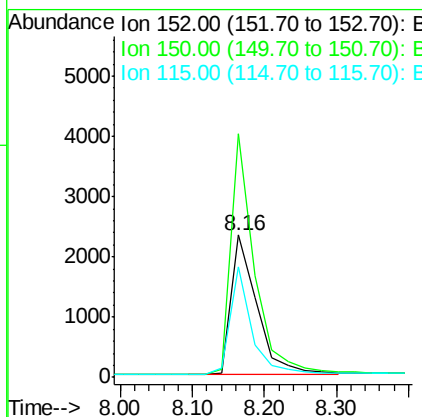
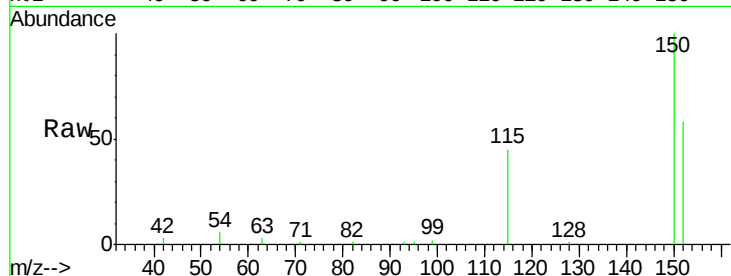
ClientSampled :

RR-PAH-WPDL

Tot Ion:	152	Resp:	5810
Ion Ratio	Lower	Upper	
152	100		
150	171.2	106.0	159.0#
115	77.6	31.2	46.8#

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#4

2-Fluorophenol

Concen: 4.54 ng

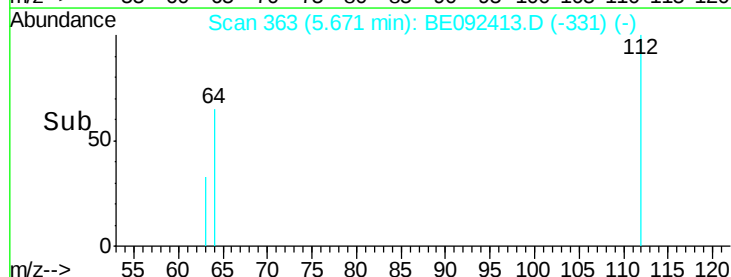
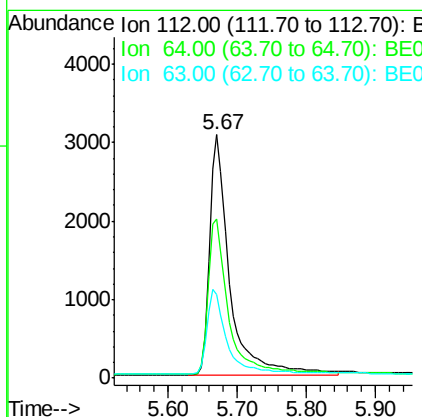
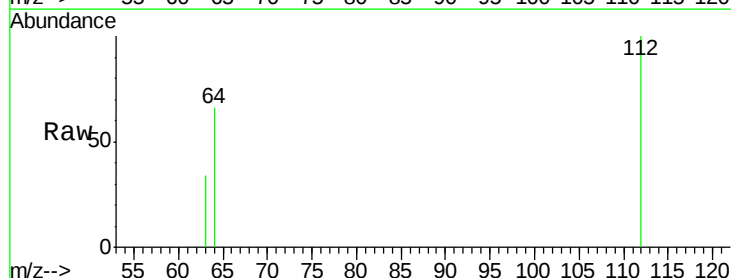
RT: 5.67 min Scan# 363

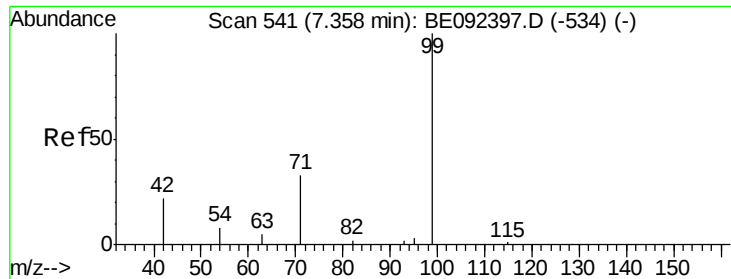
Delta R.T. -0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Tgt Ion:	112	Resp:	6155
Ion Ratio	Lower	Upper	
112	100		
64	67.1	53.5	80.3
63	35.9	27.9	41.9





#5

Phenol-d6

Concen: 3.81 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

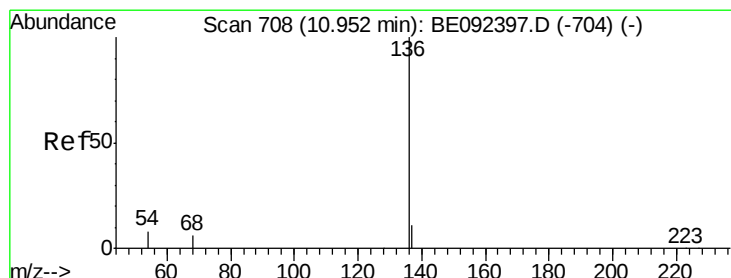
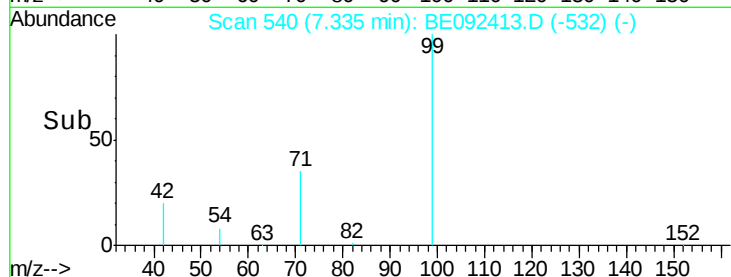
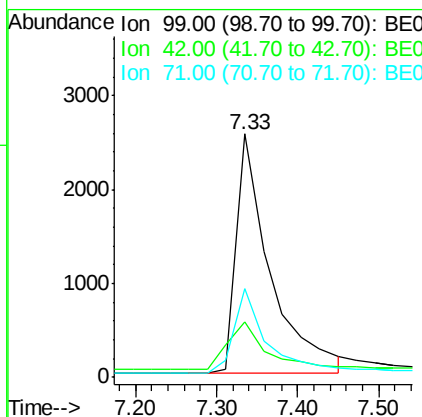
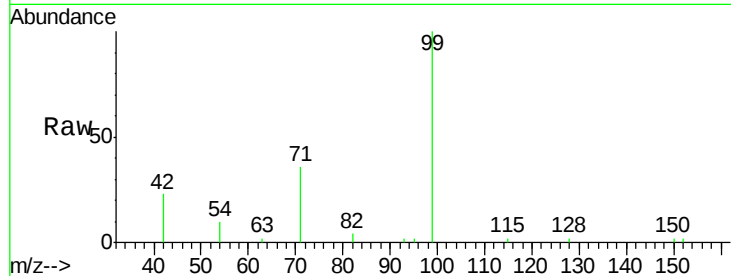
ClientSampleId :

RR-PAH-WPDL

Tot Ion:	99	Resp:	7371
Ion	Ratio	Lower	Upper
99	100		
42	23.2	16.0	24.0
71	33.9	30.6	45.8

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#7

Naphthalene-d8

Concen: 5.00 ng

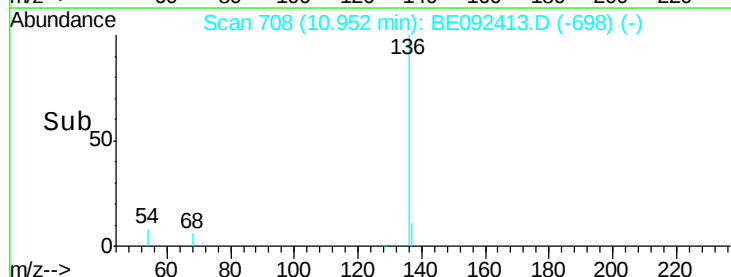
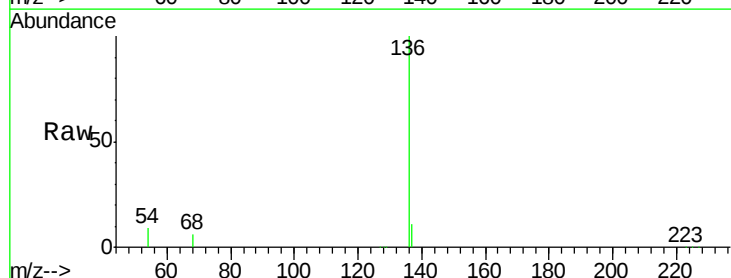
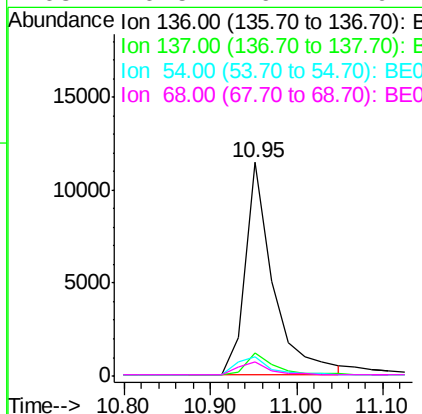
RT: 10.95 min Scan# 708

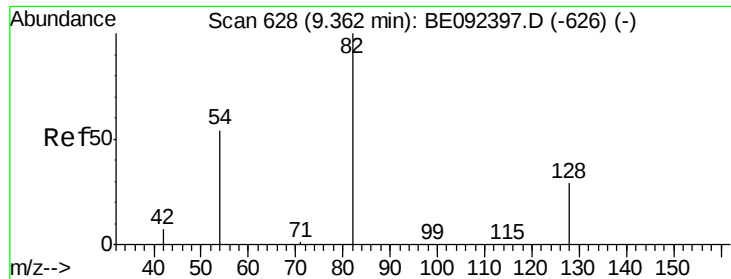
Delta R.T. -0.00 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Tgt Ion:	136	Resp:	26017
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	8.8	9.6	14.4#
68	6.5	6.7	10.1#





#8

Nitrobenzene-d5

Concen: 1.61 ng

RT: 9.36 min Scan# 628

Delta R.T. -0.00 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

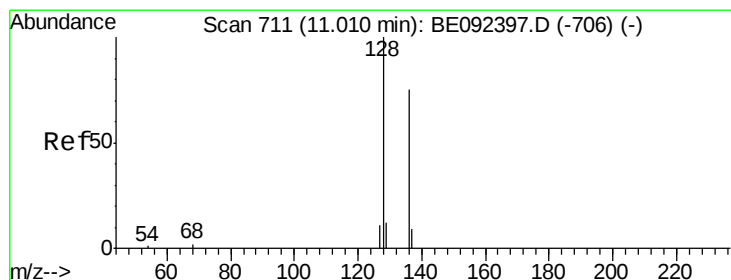
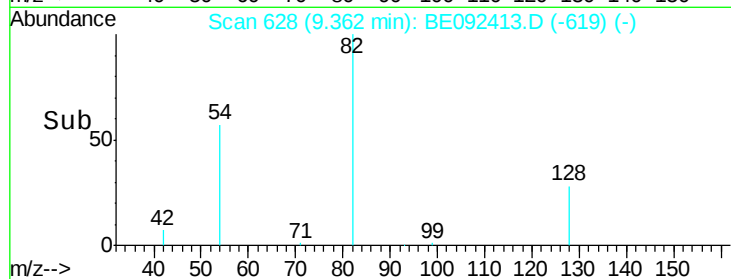
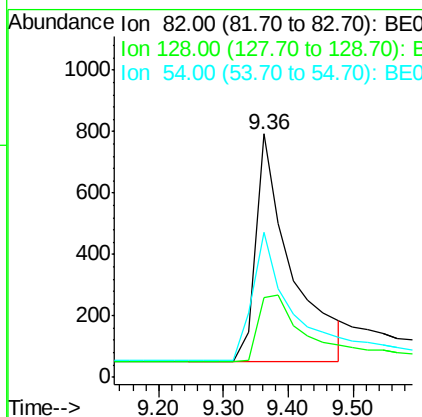
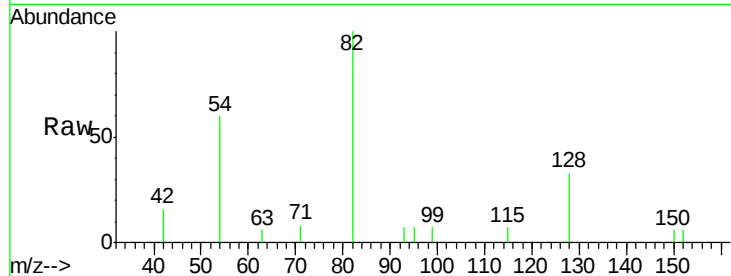
ClientSampleId :

RR-PAH-WPDL

Tot Ion:	82	Resp:	2818
Ion Ratio	Lower	Upper	
82	100		
128	32.5	39.0	58.4#
54	59.6	44.8	67.2

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#9

Naphthalene

Concen: 2.79 ng

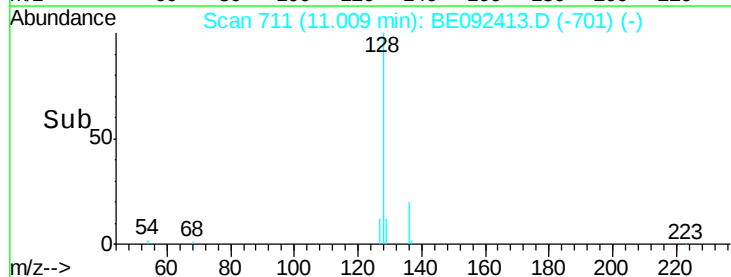
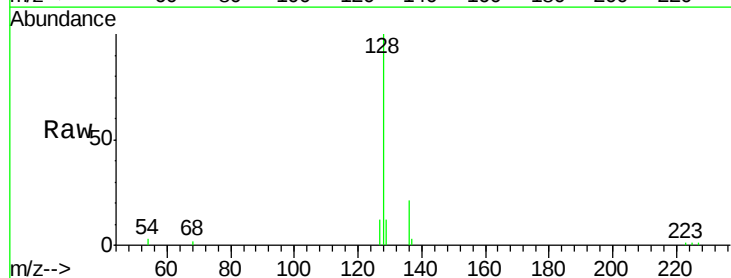
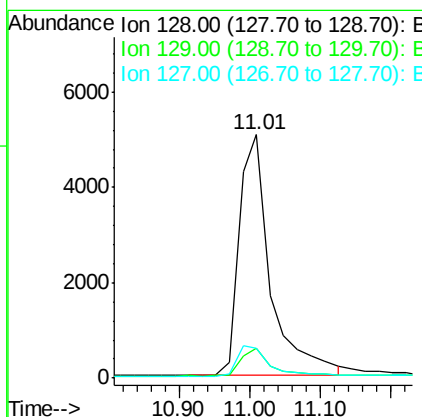
RT: 11.01 min Scan# 711

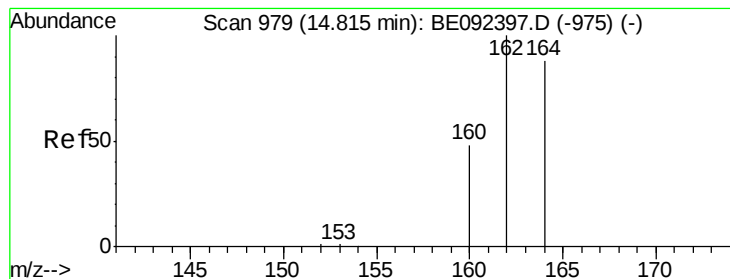
Delta R.T. -0.00 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Tgt Ion:	128	Resp:	15720
Ion Ratio	Lower	Upper	
128	100		
129	12.5	11.2	16.8
127	12.3	11.6	17.4





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.82 min Scan# 980

Delta R.T. 0.00 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

ClientSampleId :

RR-PAH-WPDL

Tot Ion:164 Resp: 21435

Ion Ratio Lower Upper

164 100

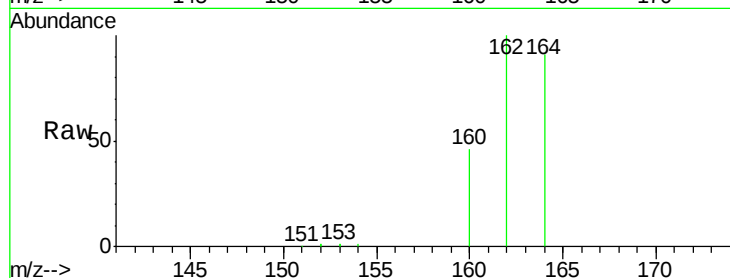
162 109.5 71.4 107.0#

160 50.0 27.4 41.2#

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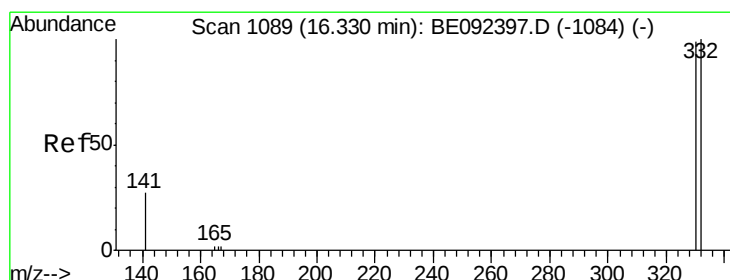
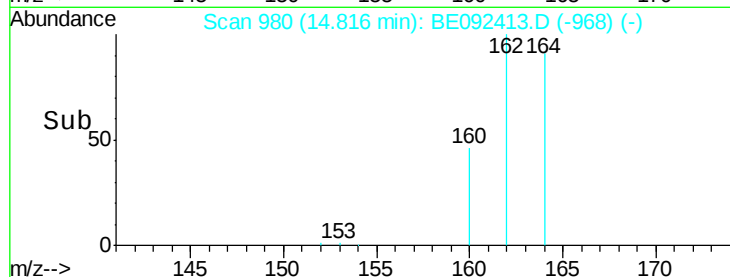
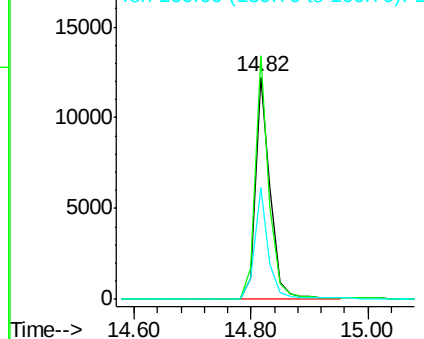
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 3.11 ng

RT: 16.32 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

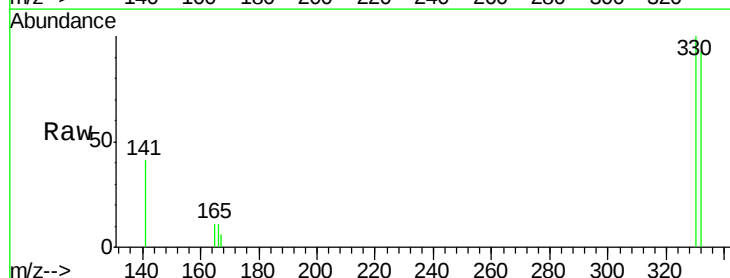
Tgt Ion:330 Resp: 2290

Ion Ratio Lower Upper

330 100

332 96.6 75.4 113.0

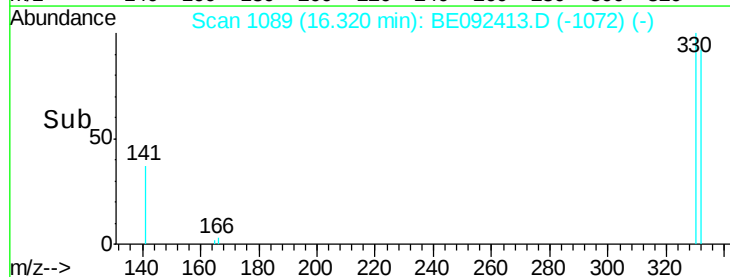
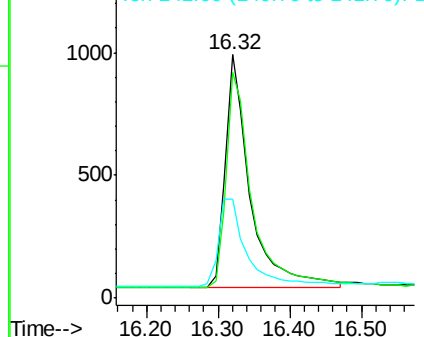
141 42.4 31.0 46.6

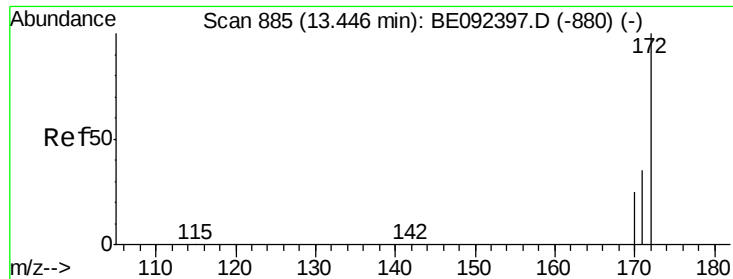


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





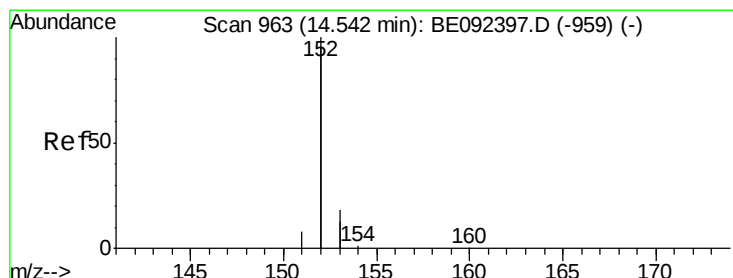
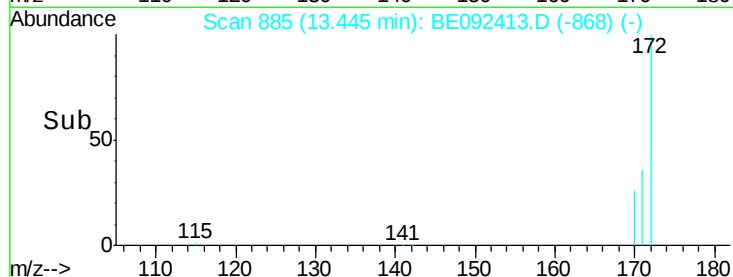
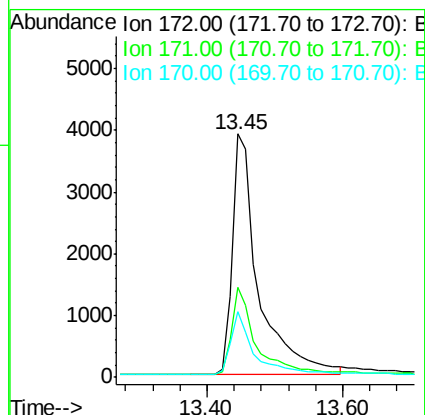
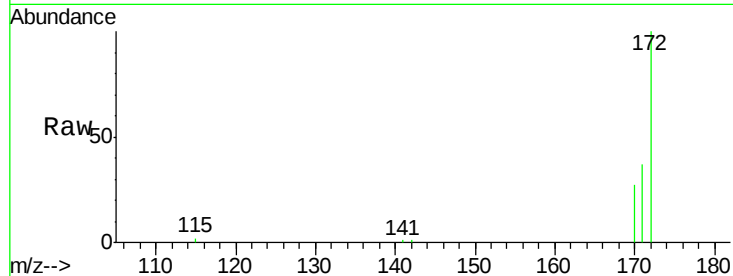
#14
2-Fluorobiphenyl
Concen: 2.08 ng
RT: 13.45 min Scan# 885
Delta R.T. 0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.1	45.1
170	26.8	21.8	32.6

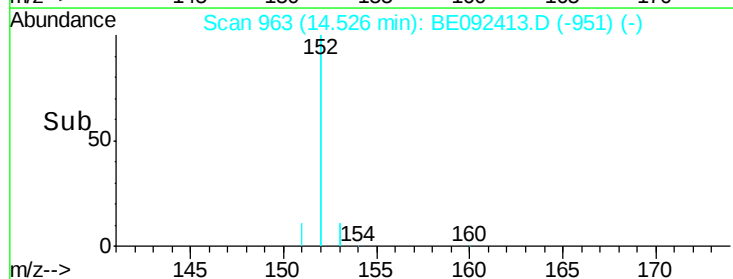
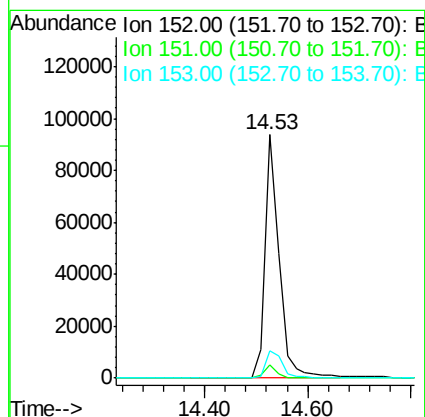
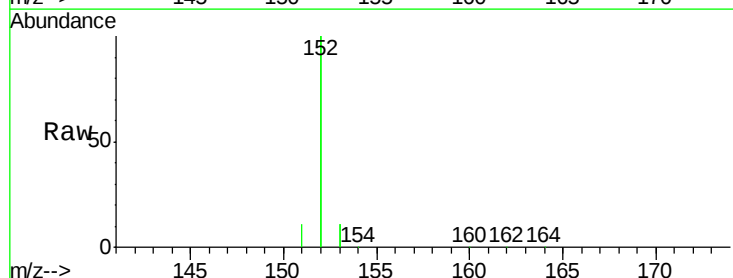
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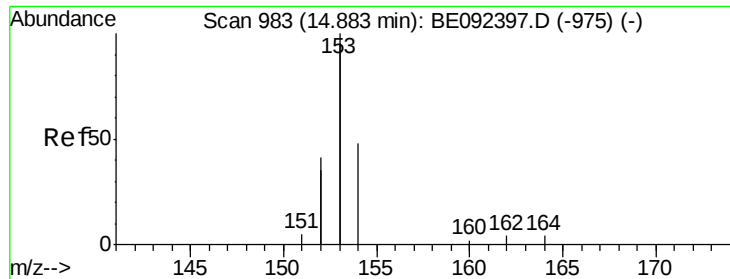
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#15
Acenaphthylene
Concen: 5.58 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.1	10.4	15.6





#16

Acenaphthene

Concen: 1.25 ng

RT: 14.88 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

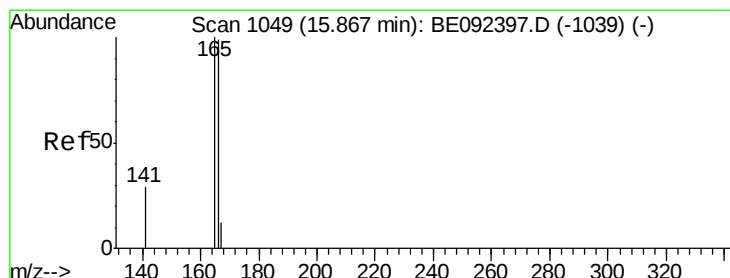
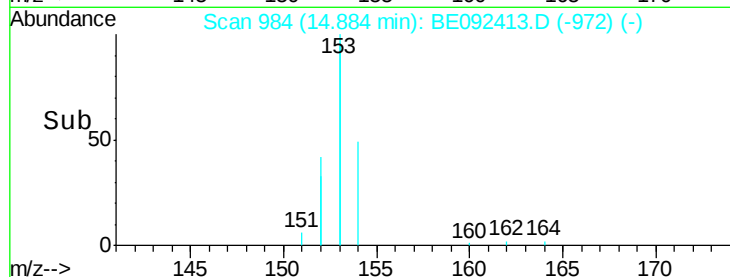
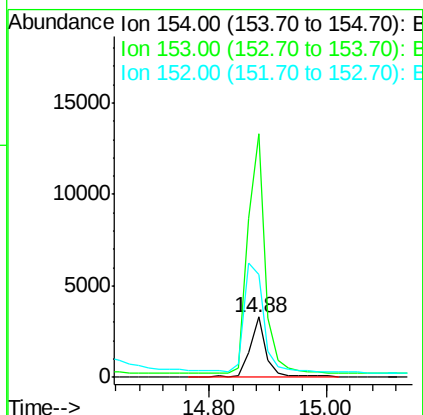
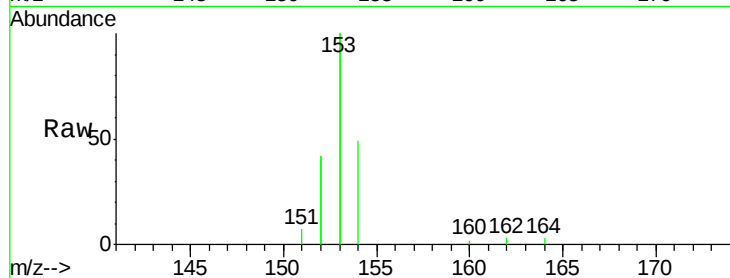
ClientSampleId :

RR-PAH-WPDL

Tot Ion:	154	Resp:	6068
Ion	Ratio	Lower	Upper
154	100		
153	444.1	350.8	526.2
152	227.4	171.1	256.7

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#17

Fluorene

Concen: 1.87 ng

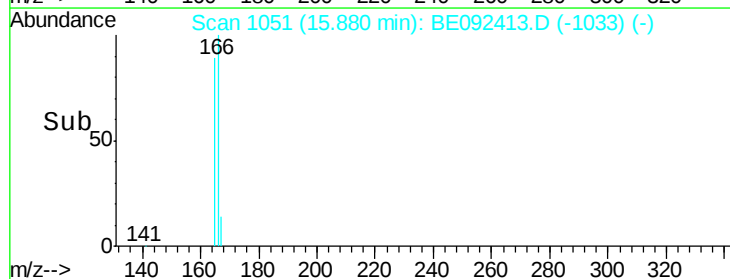
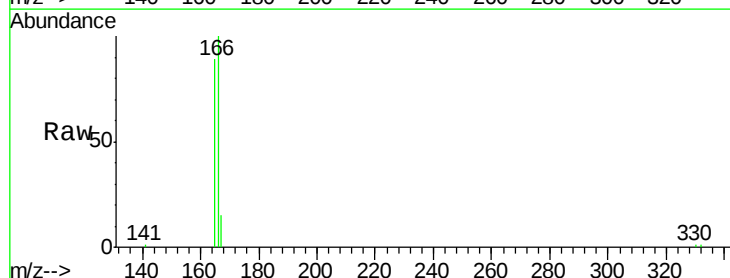
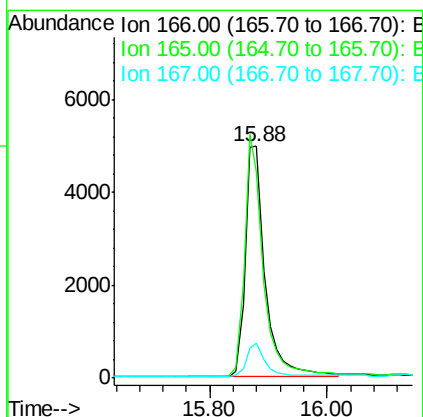
RT: 15.88 min Scan# 1051

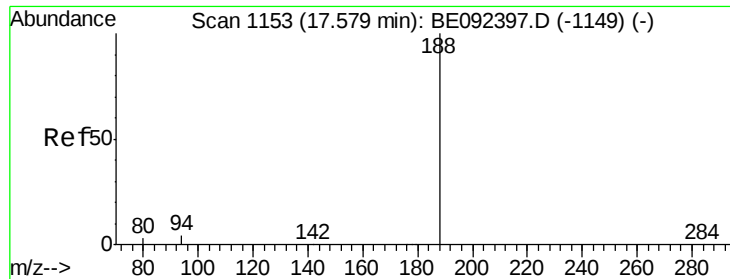
Delta R.T. 0.01 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Tgt Ion:	166	Resp:	11504
Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.2	117.4
167	13.3	11.0	16.4





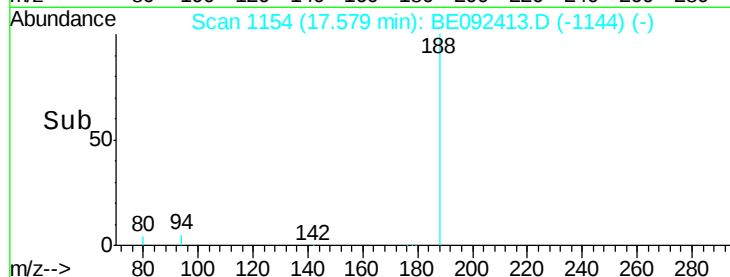
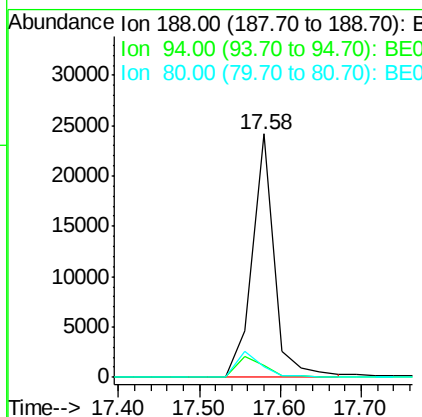
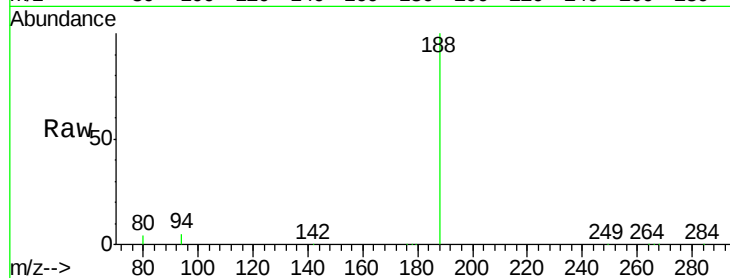
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tot Ion	Ratio	Lower	Upper
188	100		
94	4.8	3.2	4.8#
80	4.3	2.6	3.8#

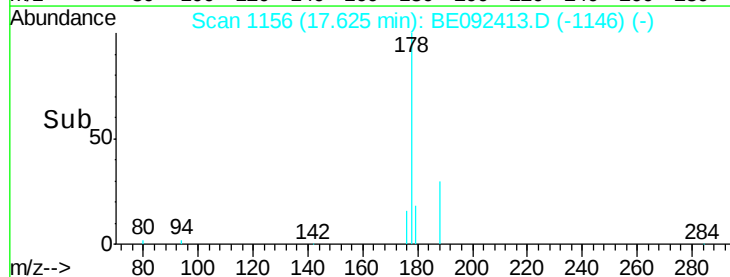
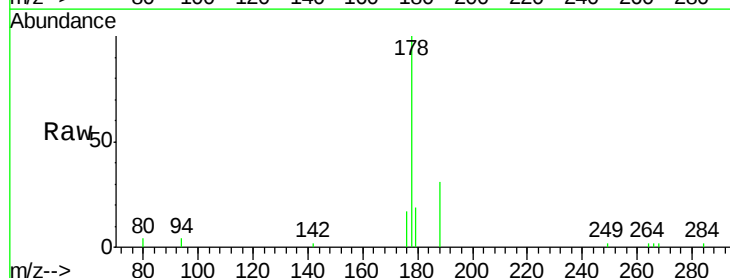
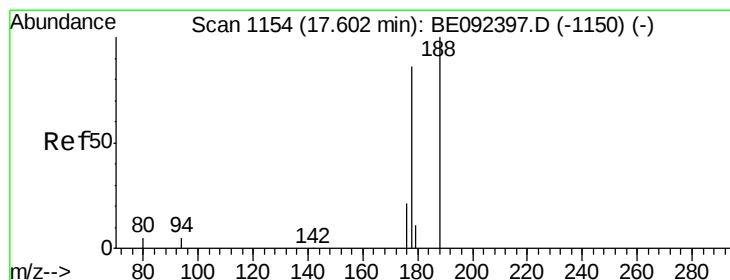
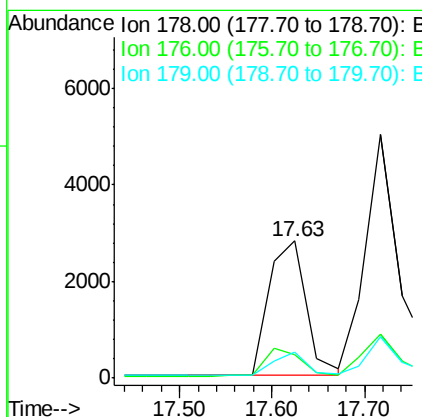
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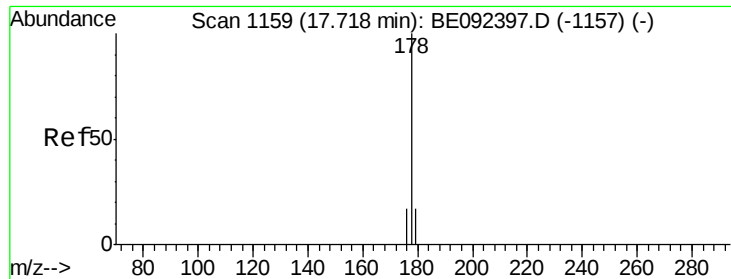
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#21
Phenanthrene
Concen: 0.75 ng
RT: 17.63 min Scan# 1156
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.8	23.8#
179	15.7	16.0	24.0#





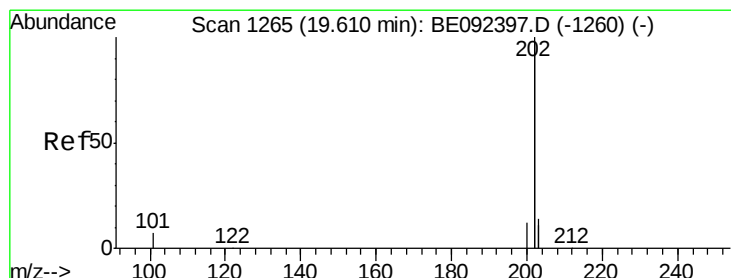
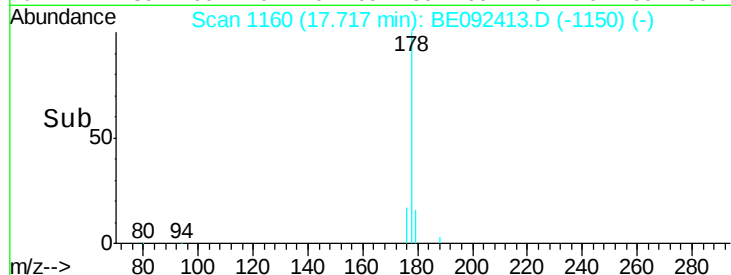
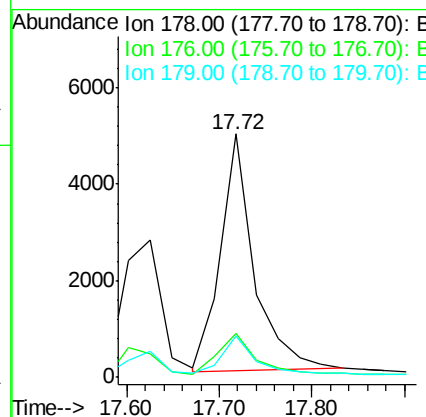
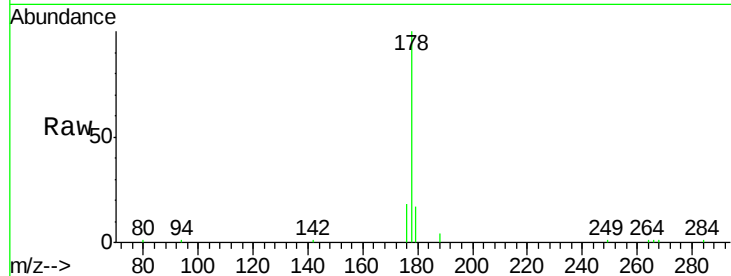
#22
 Anthracene
 Concen: 1.23 ng
 RT: 17.72 min Scan# 1160
 Delta R.T. 0.02 min
 Lab File: BE092413.D
 Acq: 23 Sep 2016 13:19

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WPDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.5	12.2	18.2

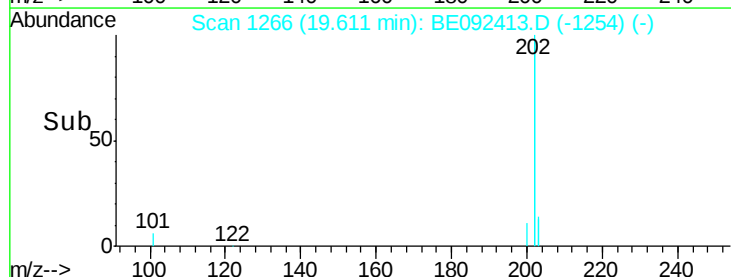
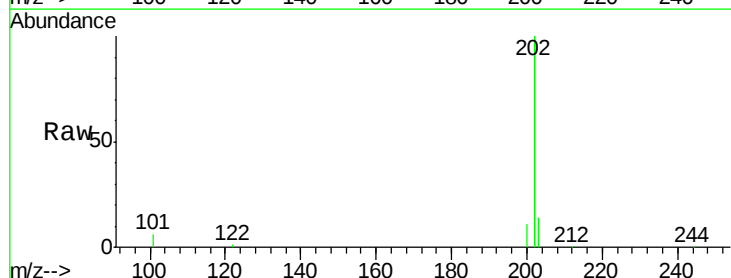
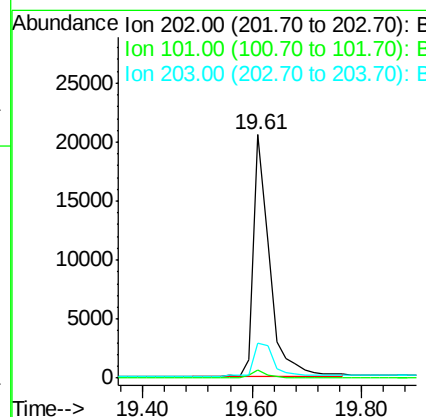
Manual Integrations
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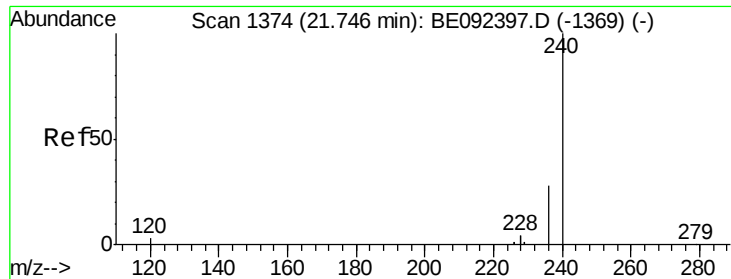
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#23
 Fluoranthene
 Concen: 0.82 ng
 RT: 19.61 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: BE092413.D
 Acq: 23 Sep 2016 13:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.2	13.7	20.5





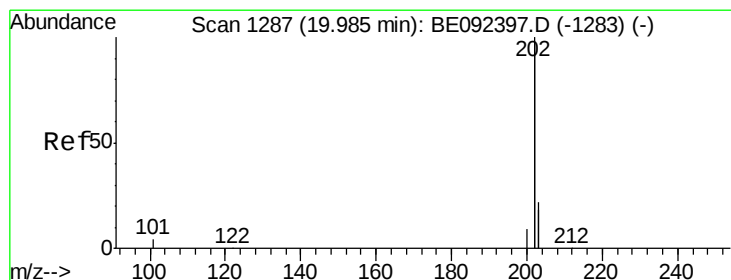
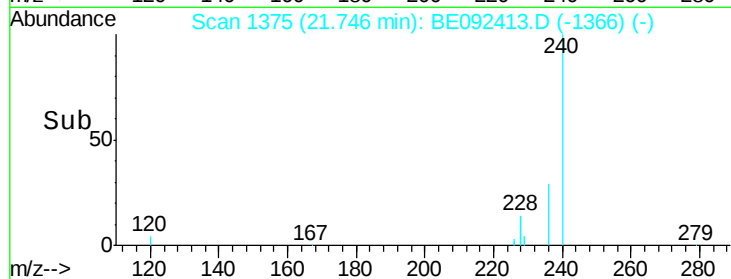
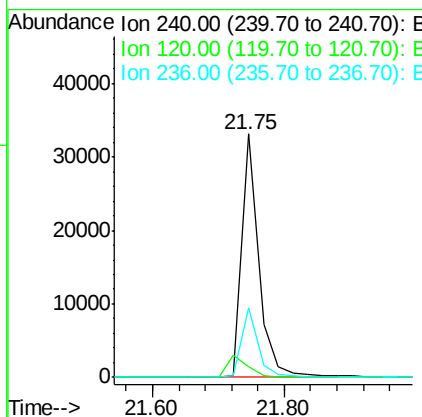
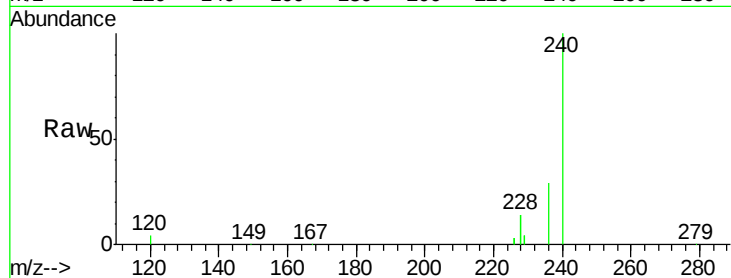
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tot Ion:240 Resp: 58269
Ion Ratio Lower Upper
240 100
120 4.5 2.6 4.0#
236 28.8 24.6 37.0

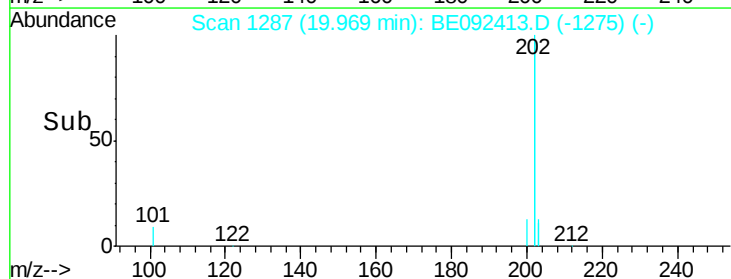
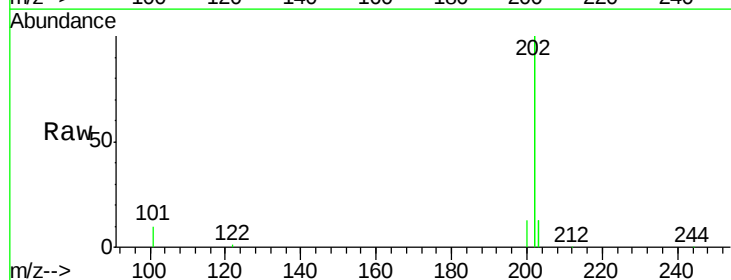
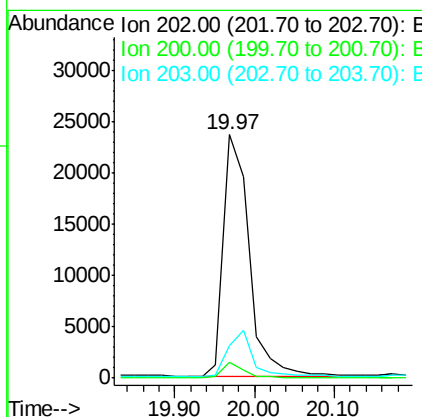
Manual Integrations
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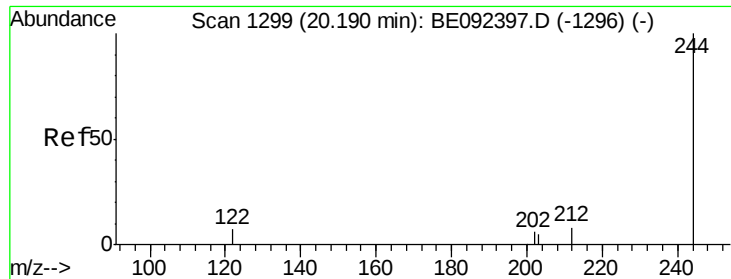
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#25
Pyrene
Concen: 1.04 ng
RT: 19.97 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion:202 Resp: 52297
Ion Ratio Lower Upper
202 100
200 5.4 4.2 6.4
203 17.9 13.9 20.9





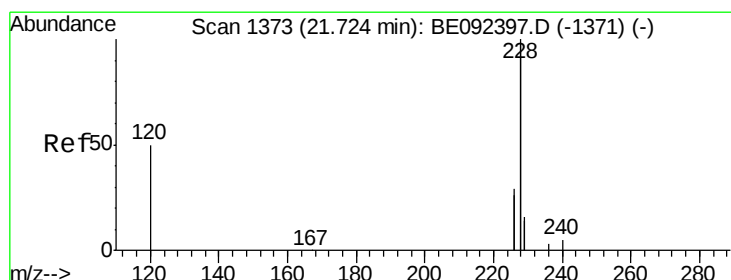
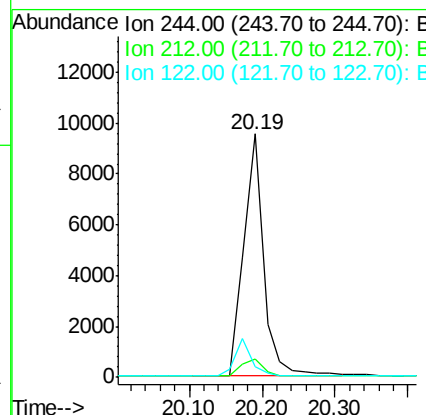
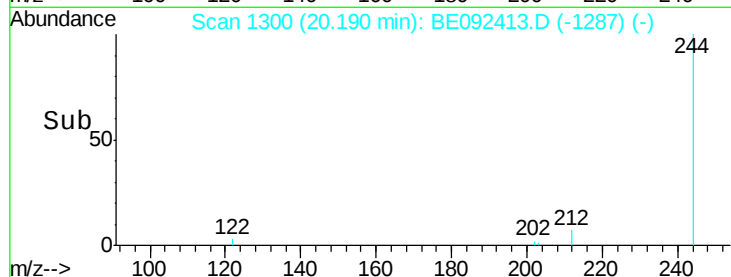
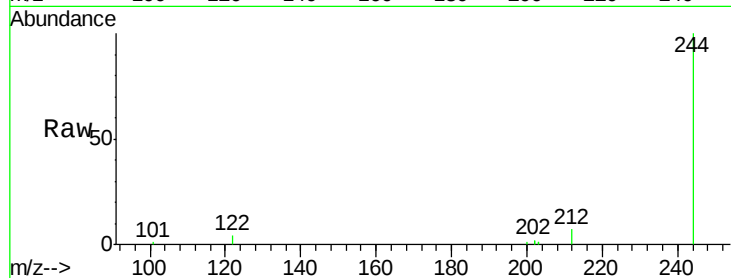
#26
 Terphenyl-d14
 Concen: 2.49 ng
 RT: 20.19 min Scan# 1300
 Delta R.T. 0.02 min
 Lab File: BE092413.D
 Acq: 23 Sep 2016 13:19

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WPDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.7	10.1
122	4.3	3.6	5.4

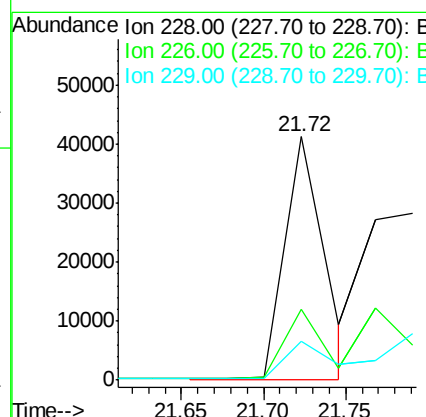
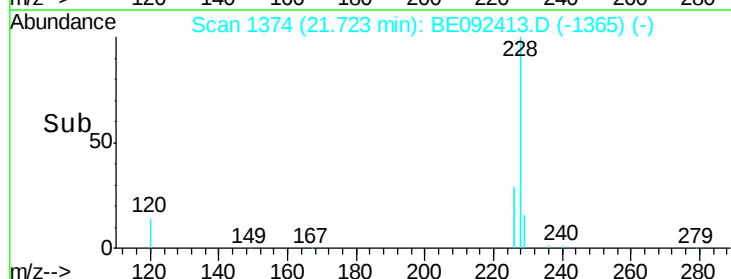
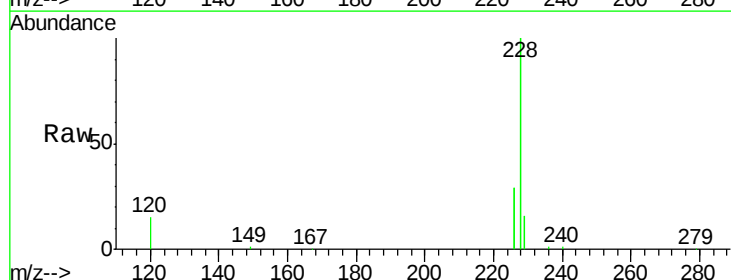
Manual Integrations
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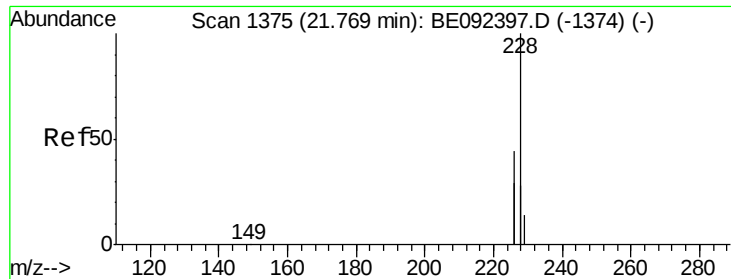
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#27
 Benzo(a)anthracene
 Concen: 1.23 ng m
 RT: 21.72 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: BE092413.D
 Acq: 23 Sep 2016 13:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.6	35.4
229	16.0	13.3	19.9





#28

Chrysene

Concen: 1.64 ng/mL

RT: 21.79 min Scan# 1377

Delta R.T. 0.02 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Instrument :

BNA_E

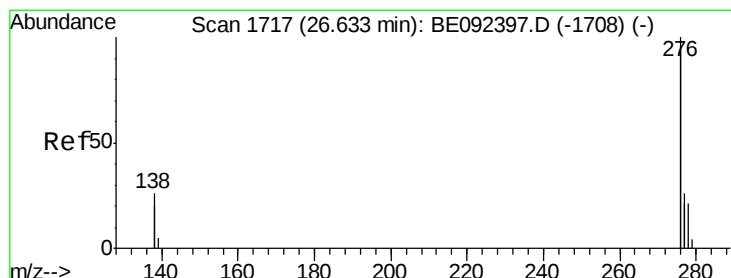
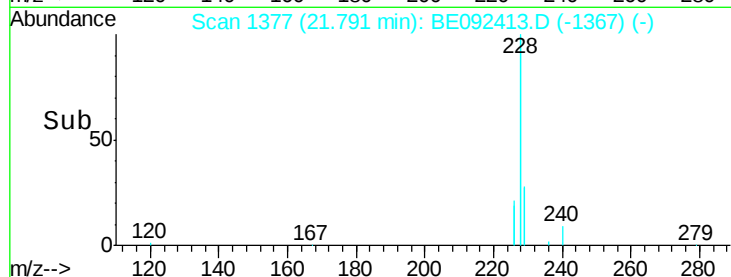
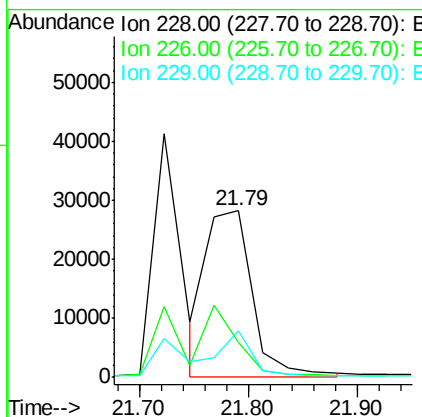
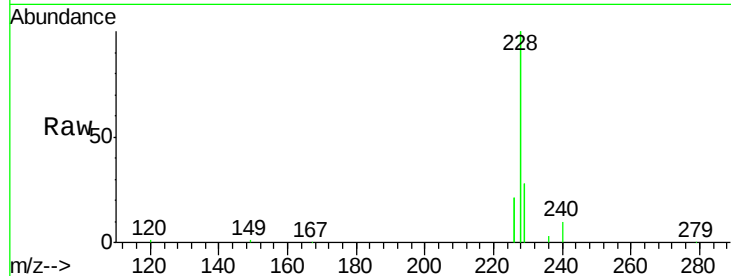
ClientSampled :

RR-PAH-WPDL

Tot Ion:	228	Resp:	85268
Ion Ratio	Lower	Upper	
228	100		
226	20.6	36.3	54.5#
229	27.8	10.6	16.0#

Manual Integrations
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#30

Indeno(1,2,3-cd)pyrene

Concen: 1.72 ng/mL

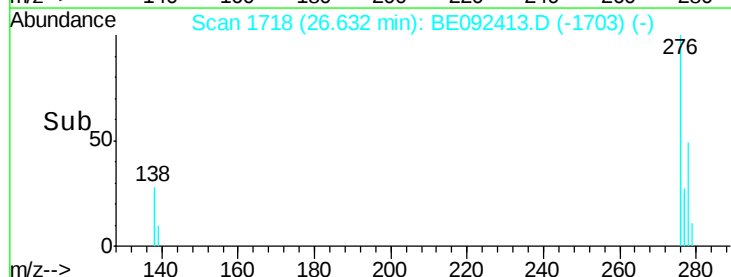
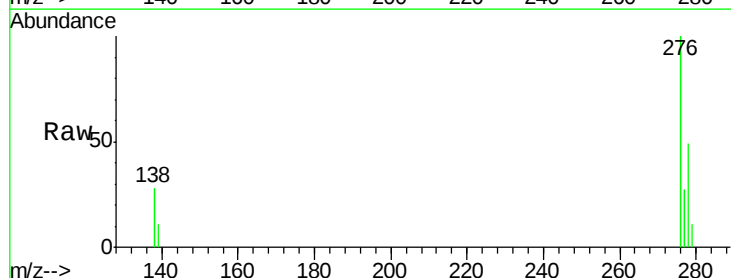
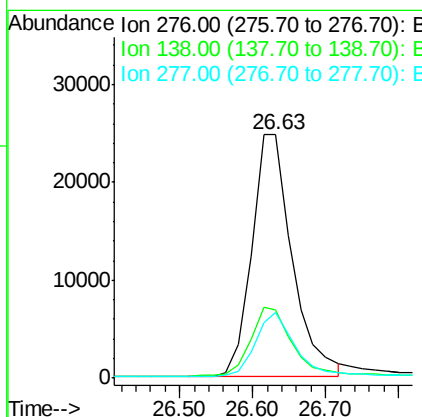
RT: 26.63 min Scan# 1718

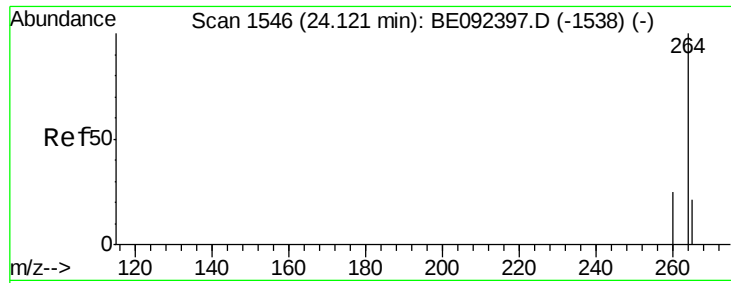
Delta R.T. 0.05 min

Lab File: BE092413.D

Acq: 23 Sep 2016 13:19

Tgt Ion:	276	Resp:	94973
Ion Ratio	Lower	Upper	
276	100		
138	28.9	20.3	30.5
277	25.0	19.7	29.5





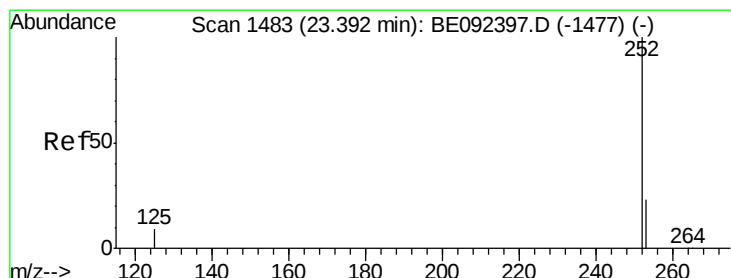
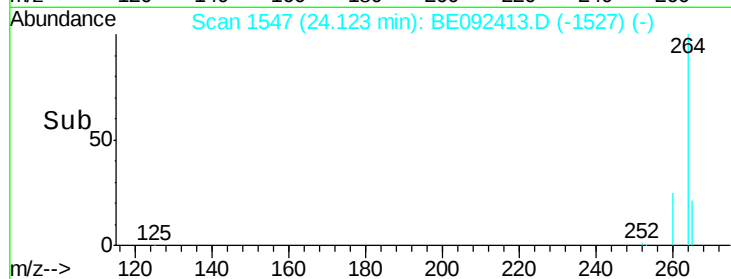
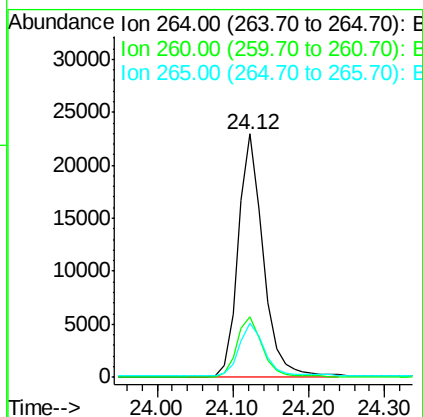
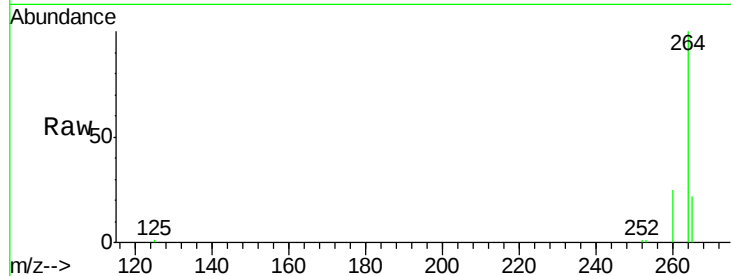
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. 0.04 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.1	30.1
265	22.1	17.9	26.9

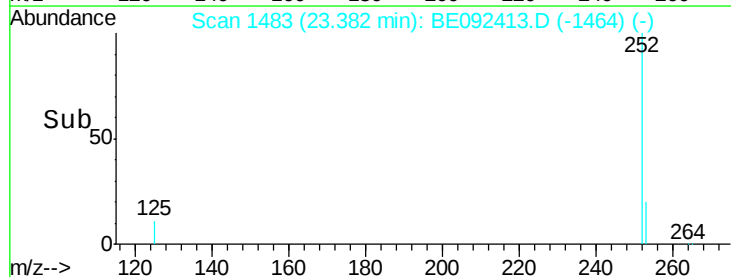
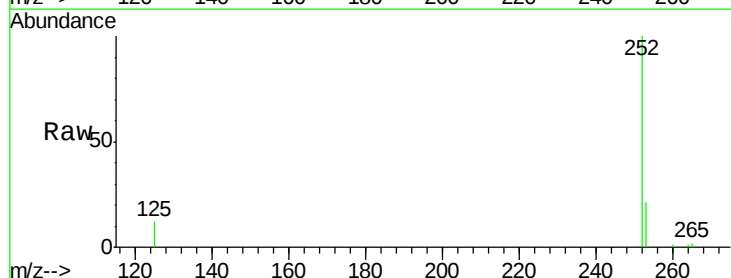
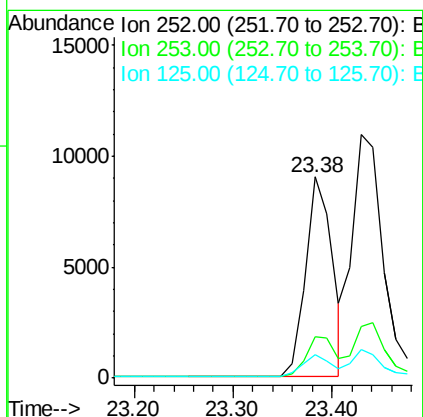
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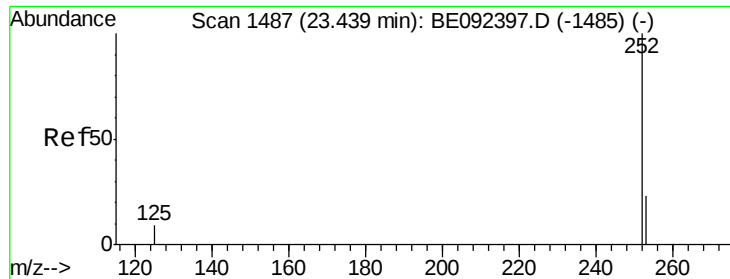
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#32
Benzo(b)fluoranthene
Concen: 1.32 ng
RT: 23.38 min Scan# 1483
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.7	28.1
125	11.8	10.5	15.7





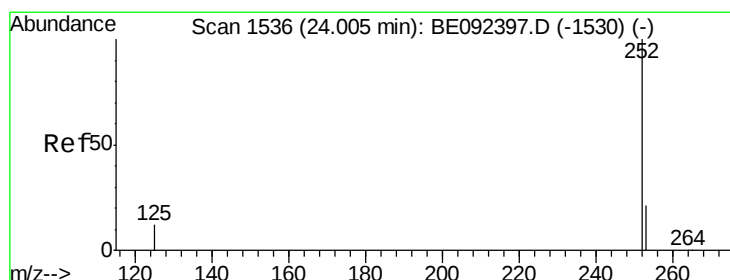
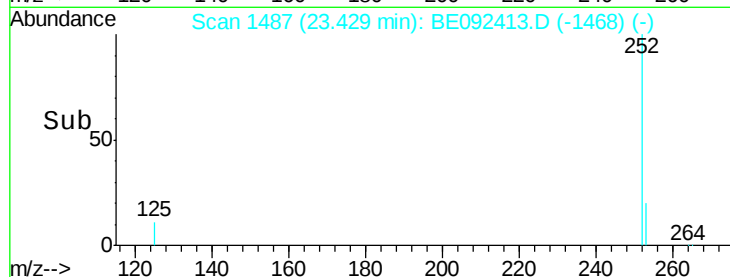
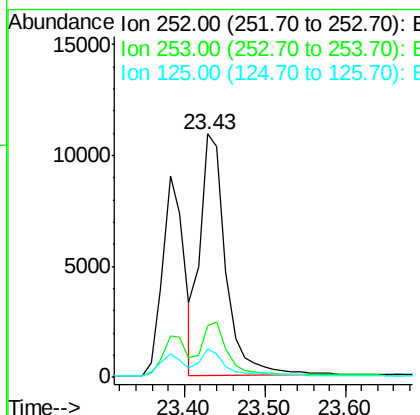
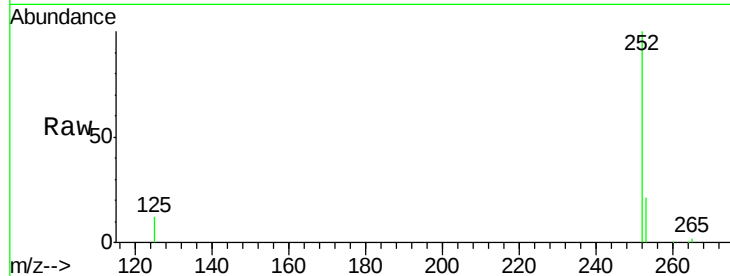
#33
Benzo(k)fluoranthene
Concen: 1.81 ng
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	20.3	30.5
125	11.5	9.6	14.4

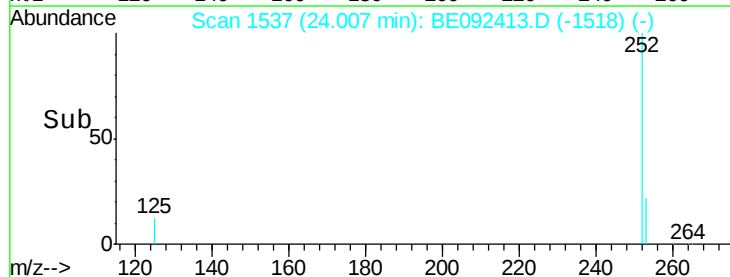
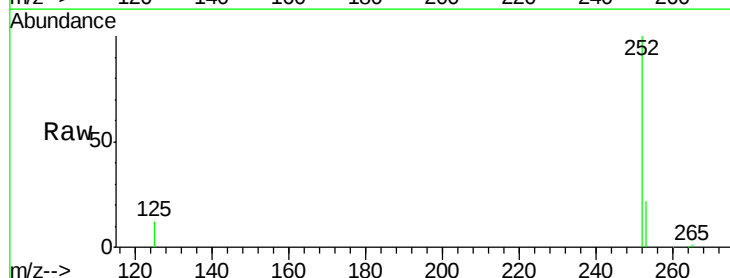
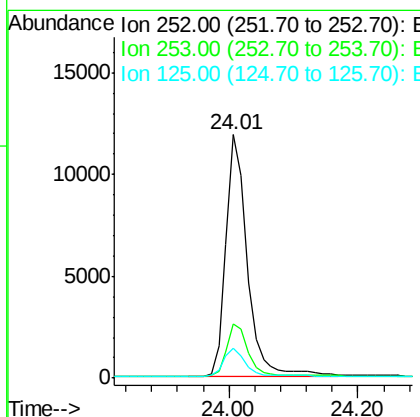
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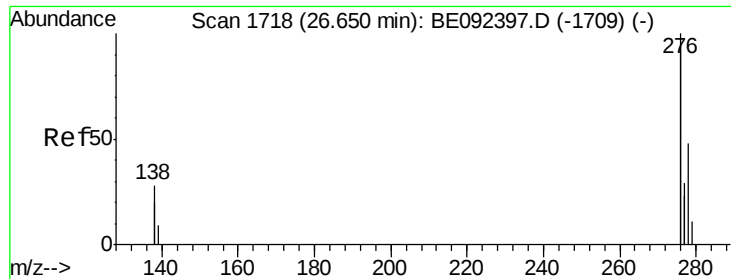
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#34
Benzo(a)pyrene
Concen: 2.20 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.0	28.6
125	12.4	11.8	17.8





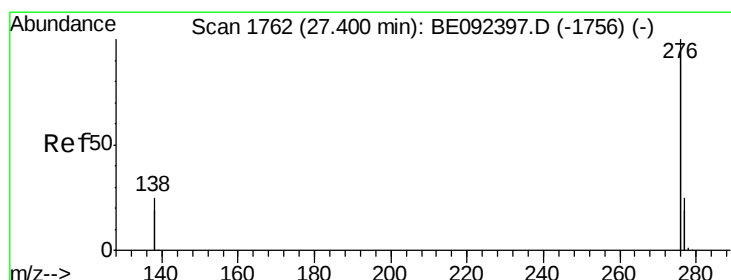
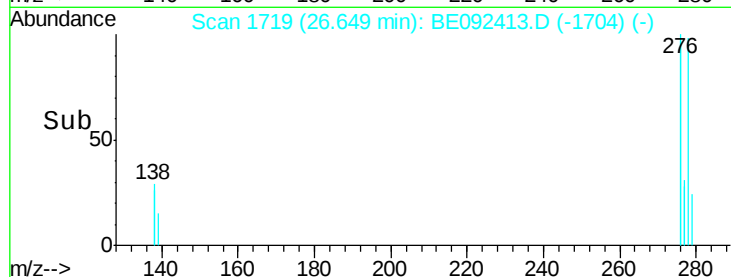
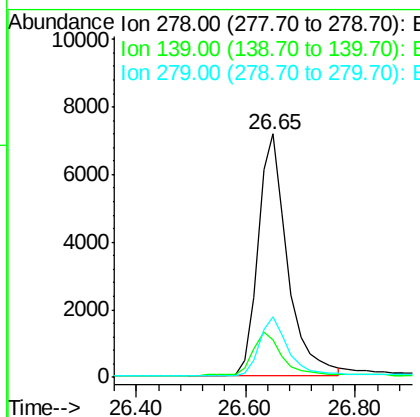
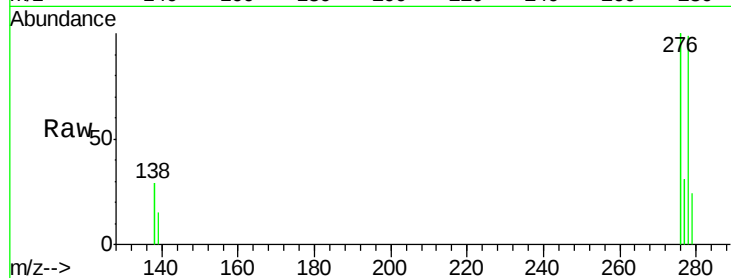
#35
Dibenzo(a,h)anthracene
Concen: 2.33 ng
RT: 26.65 min Scan# 1719
Delta R.T. 0.05 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.8	20.8
279	24.6	21.4	32.2

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#36
Benzo(g,h,i)perylene
Concen: 1.15 ng
RT: 27.40 min Scan# 1763
Delta R.T. 0.05 min
Lab File: BE092413.D
Acq: 23 Sep 2016 13:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.8	29.8
138	23.8	19.8	29.6

