

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061615\
 Data File : BF080005.D
 Acq On : 17 Jun 2015 1:08
 Operator : TP/IZ
 Sample : G2599-03DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VALHALLA-W3-6.5-7DL

Manual Integrations
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Quant Time: Jun 17 04:41:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 15:44:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	46271	20.00	ng	0.00
21) Naphthalene-d8	8.64	136	184906	20.00	ng	0.00
38) Acenaphthene-d10	10.41	164	94760	20.00	ng	0.00
63) Phenanthrene-d10	11.93	188	178281	20.00	ng	0.01
75) Chrysene-d12	14.99	240	203022	20.00	ng	0.08
86) Perylene-d12	16.93	264	199093	20.00	ng	0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.96	112	28319	11.22	ng	0.00
7) Phenol-d6	6.95	99	37847	11.01	ng	0.00
23) Nitrobenzene-d5	7.91	82	18035	6.44	ng	0.00
41) 2,4,6-Tribromophenol	11.21	330	6197	9.32	ng	0.00
44) 2-Fluorobiphenyl	9.72	172	48215	7.12	ng	0.00
78) Terphenyl-d14	13.66	244	54729	6.22	ng	0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.66	128	45294	4.48	ng	99
51) Acenaphthene	10.45	154	51767	8.26	ng	99
54) Dibenzofuran	10.62	168	30670	3.35	ng	97
57) Fluorene	10.96	166	32420	4.06	ng	100
70) Phenanthrene	11.96	178	407110	38.32	ng	99
71) Anthracene	12.00	178	108260	10.53	ng	99
72) Carbazole	12.16	167	45816	4.59	ng	98
74) Fluoranthene	13.25	202	442172	37.64	ng	97
77) Pyrene	13.51	202	385307	30.22	ng	100
80) Benzo(a)anthracene	14.97	228	194882	15.12	ng	98
82) Chrysene	15.02	228	149485	12.22	ng	98
85) Indeno(1,2,3-cd)pyrene	18.81	276	75686	5.61	ng	96
87) Benzo(b)fluoranthene	16.38	252	182266m	14.94	ng	
88) Benzo(k)fluoranthene	16.41	252	60708m	4.88	ng	
89) Benzo(a)pyrene	16.85	252	133791m	11.53	ng	
91) Benzo(g,h,i)perylene	19.37	276	75062	6.36	ng	96

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

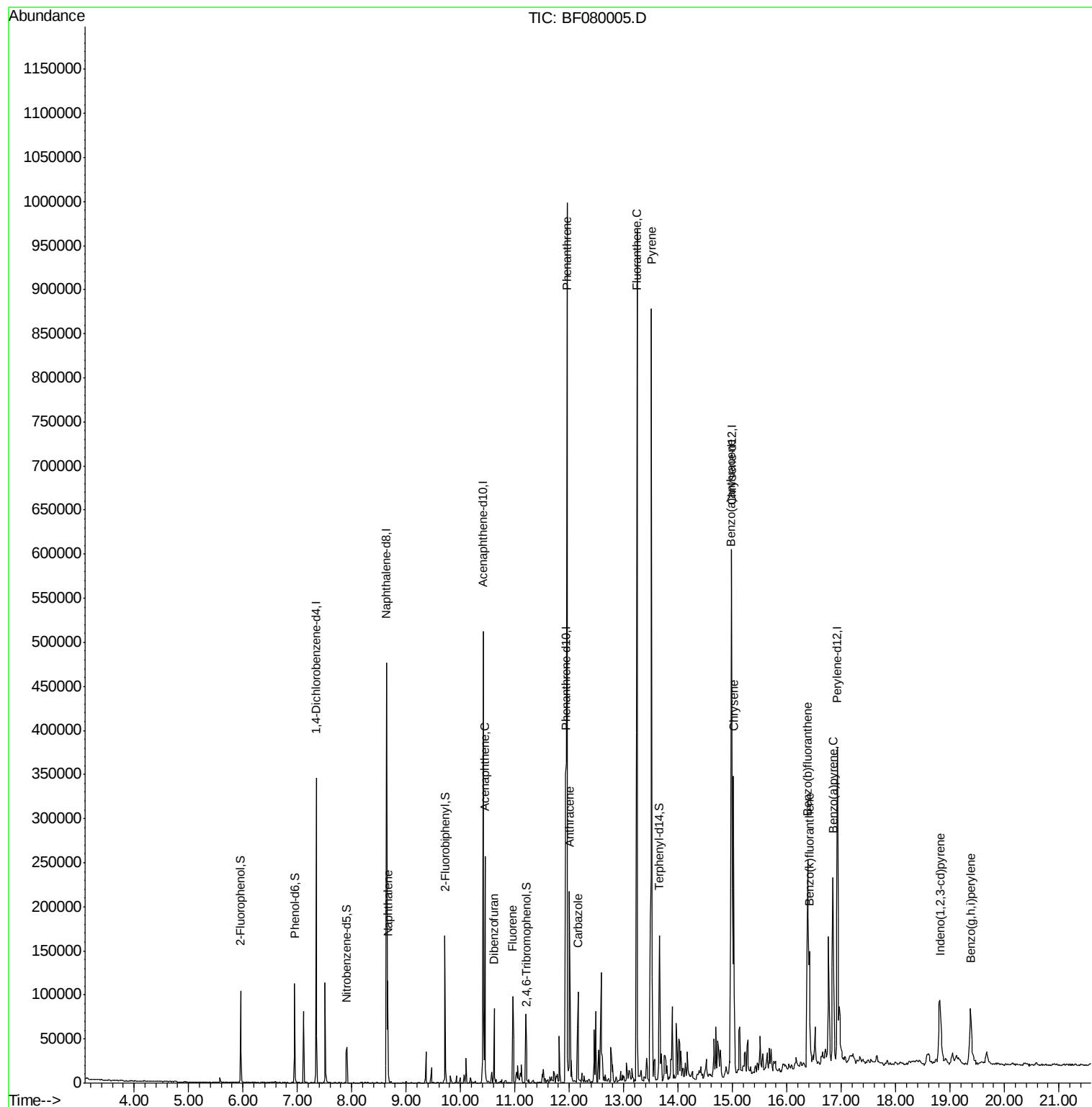
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061615\
Data File : BF080005.D
Acq On : 17 Jun 2015 1:08
Operator : TP/IZ
Sample : G2599-03DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

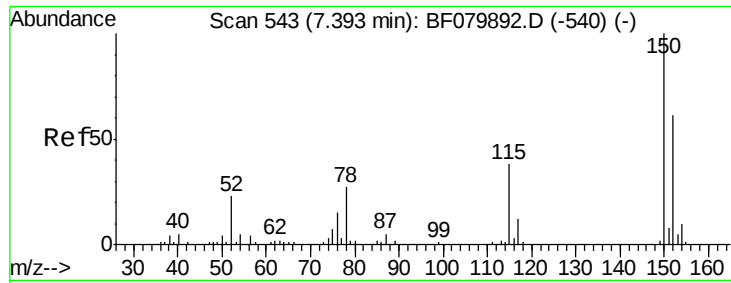
Instrument :
BNA_F
ClientSampleId :
VALHALLA-W3-6.5-7DL

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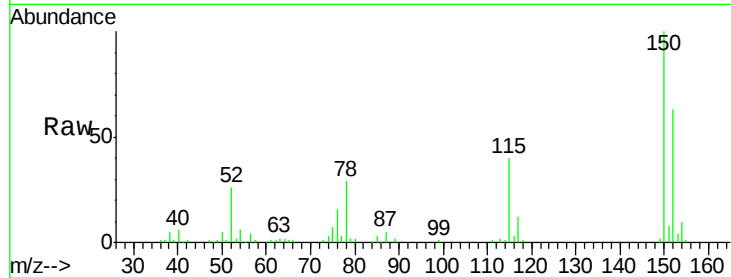
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 15 15:44:31 2015
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: BF080005.D
 Acq: 17 Jun 2015 1:08

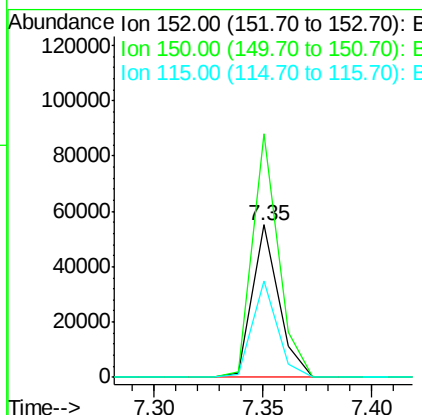
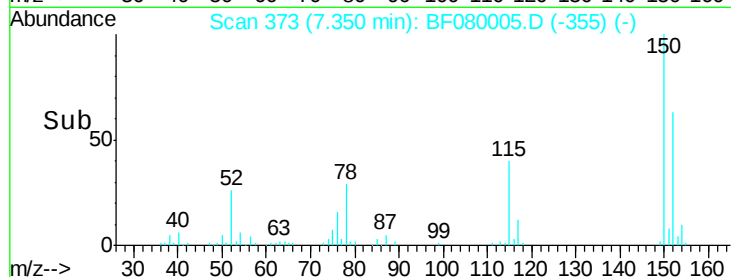
Instrument :
 BNA_F
 ClientSampleId :
 VALHALLA-W3-6.5-7DL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.9	131.0	196.4
115	63.5	49.8	74.6

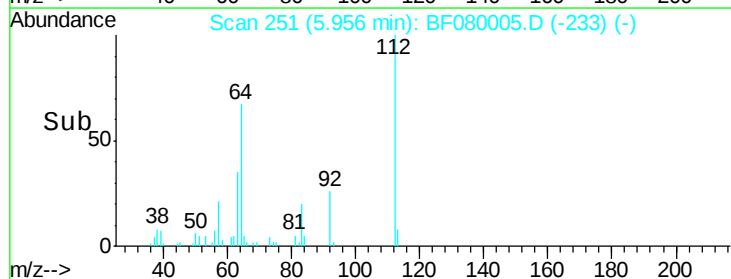
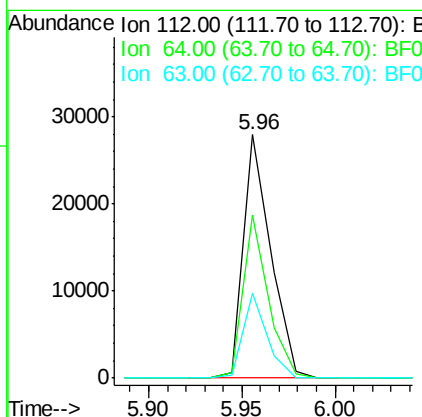
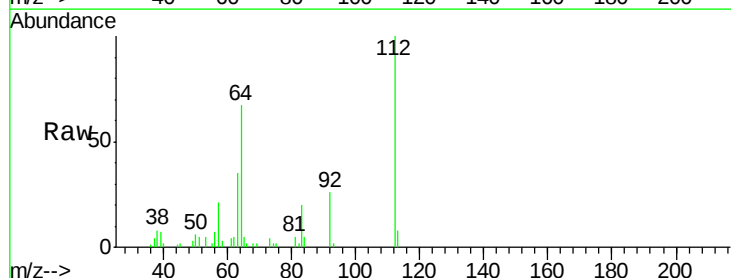
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#5
 2-Fluorophenol
 Concen: 11.22 ng
 RT: 5.96 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: BF080005.D
 Acq: 17 Jun 2015 1:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	54.5	81.7
63	34.9	27.9	41.9





#7

Phenol-d6

Concen: 11.01 ng

RT: 6.95 min Scan# 338

Delta R.T. 0.00 min

Lab File: BF080005.D

Acq: 17 Jun 2015 1:08

Instrument :

BNA_F

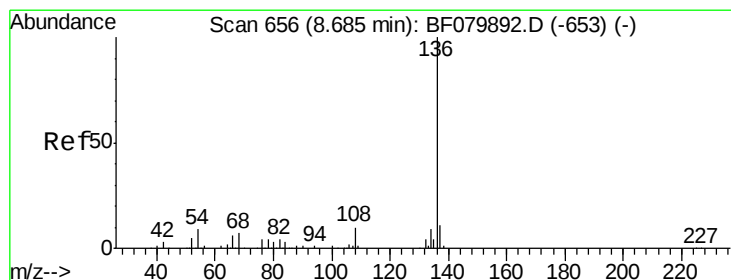
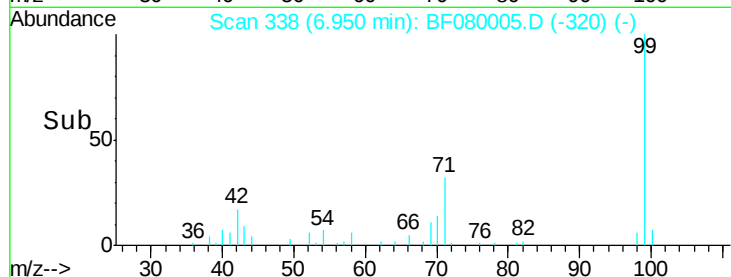
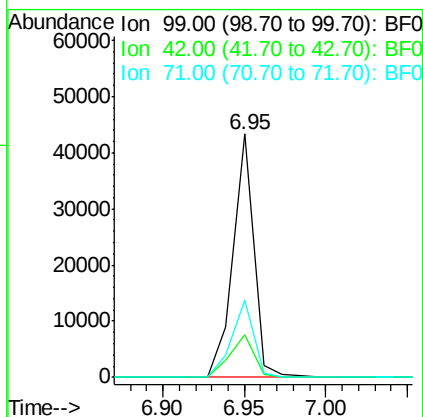
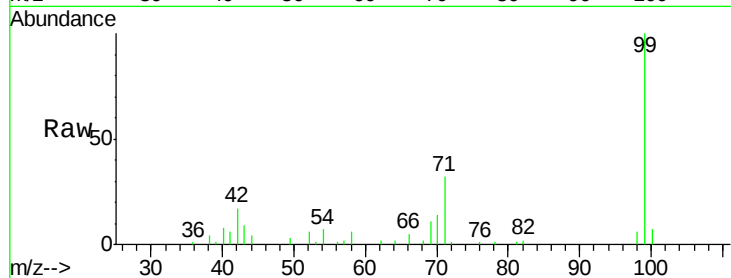
ClientSampleId :

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Tgt Ion:	99	Resp:	37847
Ion Ratio	Lower	Upper	
99	100		
42	17.5	12.9	19.3
71	31.7	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

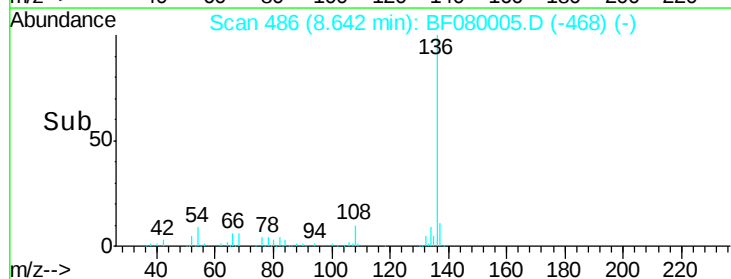
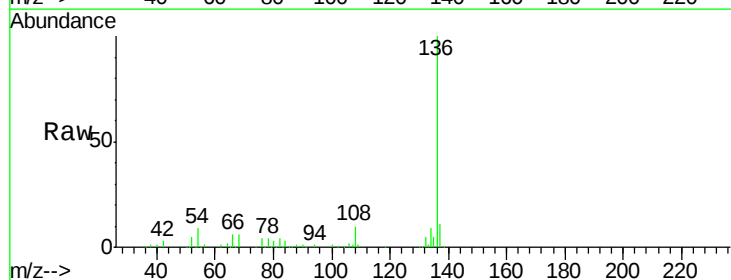
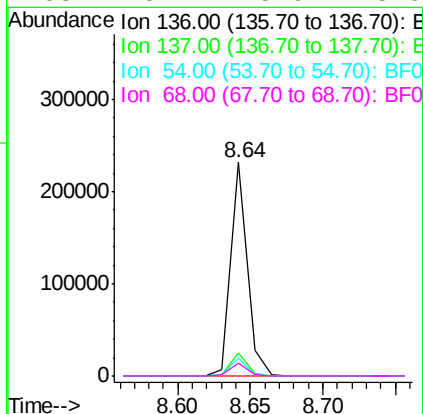
RT: 8.64 min Scan# 486

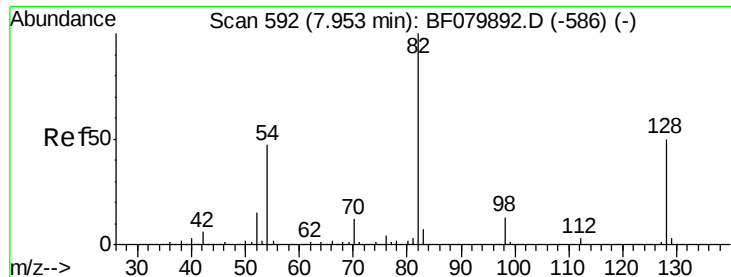
Delta R.T. 0.00 min

Lab File: BF080005.D

Acq: 17 Jun 2015 1:08

Tgt Ion:	136	Resp:	184906
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	8.5	7.3	10.9
68	6.2	5.9	8.9





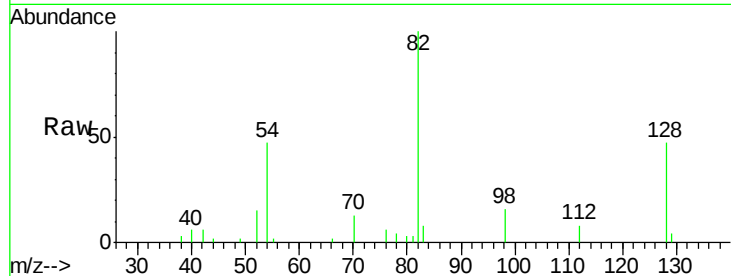
#23
Nitrobenzene-d5
Concen: 6.44 ng
RT: 7.91 min Scan# 422
Delta R.T. 0.00 min
Lab File: BF080005.D
Acq: 17 Jun 2015 1:08

Instrument :
BNA_F
ClientSampleId :
VALHALLA-W3-6.5-7DL

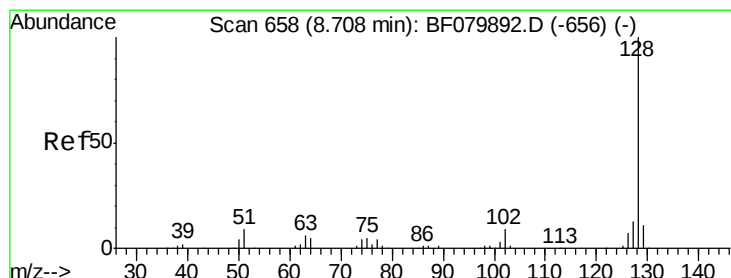
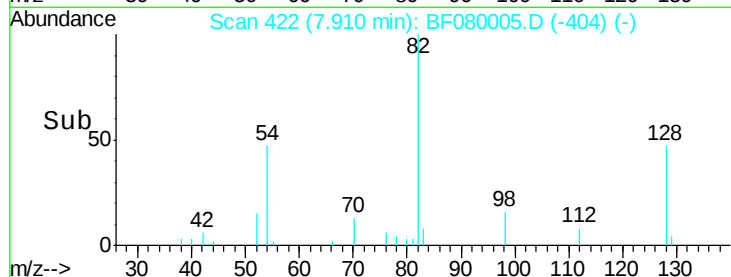
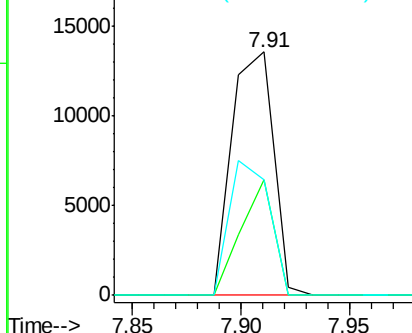
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.3	40.3	60.5
54	47.4	38.0	57.0

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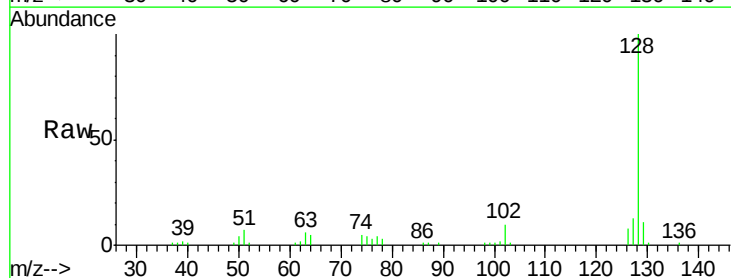


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

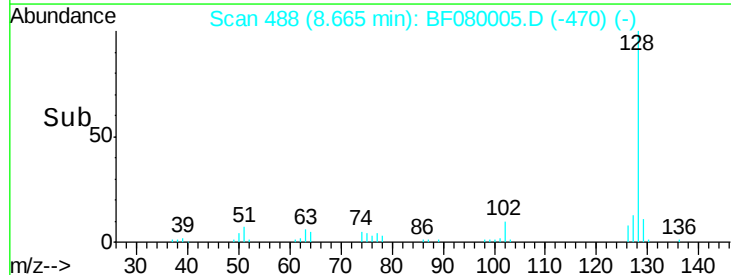
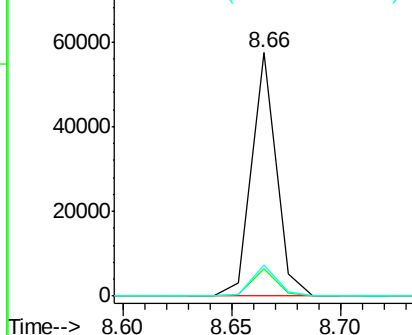


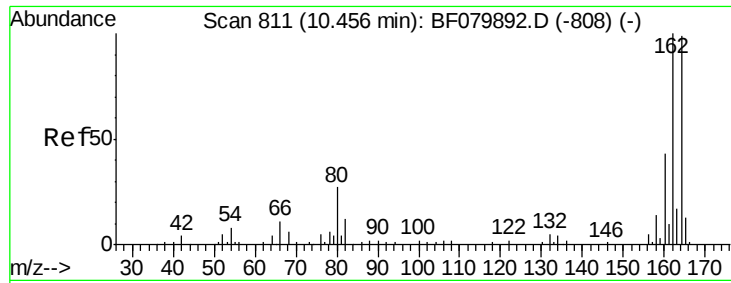
#31
Naphthalene
Concen: 4.48 ng
RT: 8.66 min Scan# 488
Delta R.T. 0.00 min
Lab File: BF080005.D
Acq: 17 Jun 2015 1:08

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	12.8	10.5	15.7



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





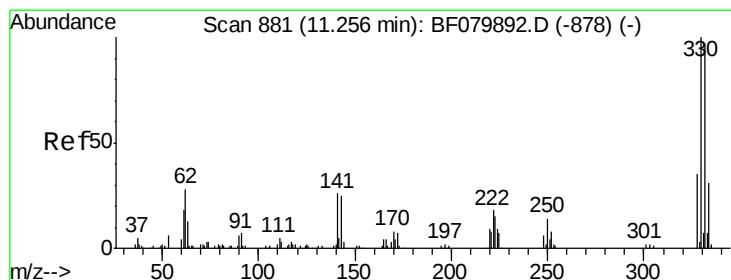
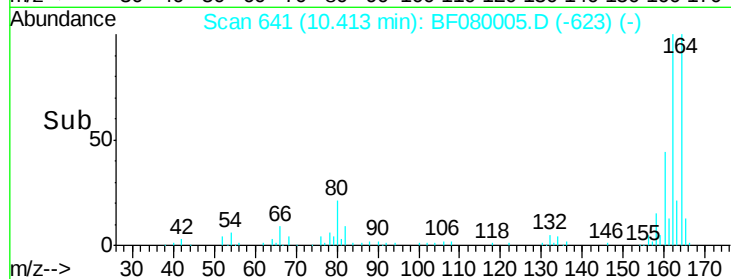
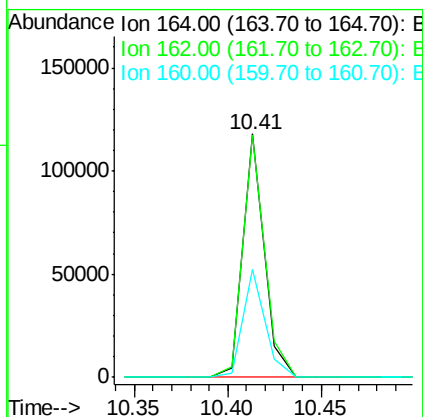
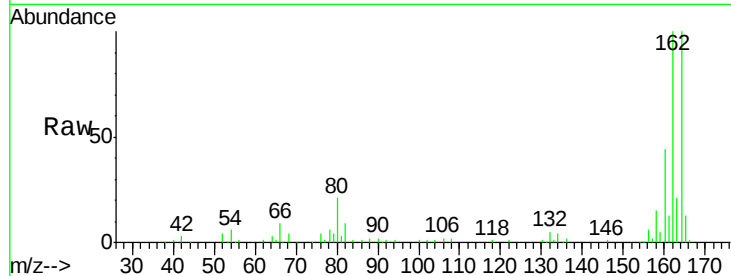
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.41 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF080005.D
Acq: 17 Jun 2015 1:08

Instrument :
BNA_F
ClientSampleId :
VALHALLA-W3-6.5-7DL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94760		
162	99.6	80.7	121.1	
160	44.4	34.6	51.8	

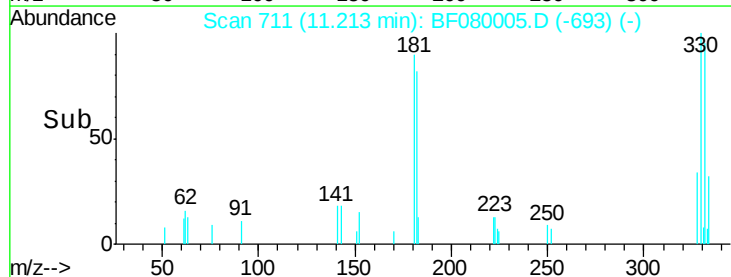
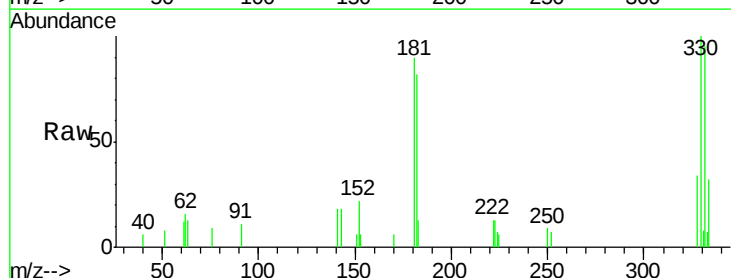
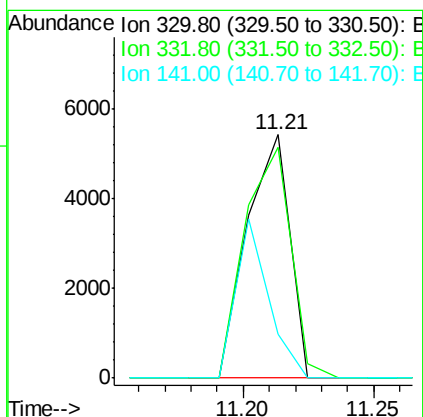
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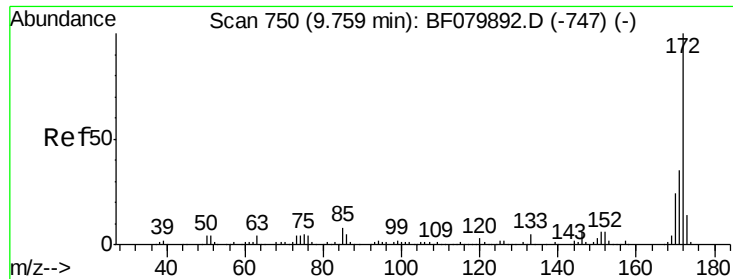
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#41
2,4,6-Tribromophenol
Concen: 9.32 ng
RT: 11.21 min Scan# 711
Delta R.T. 0.00 min
Lab File: BF080005.D
Acq: 17 Jun 2015 1:08

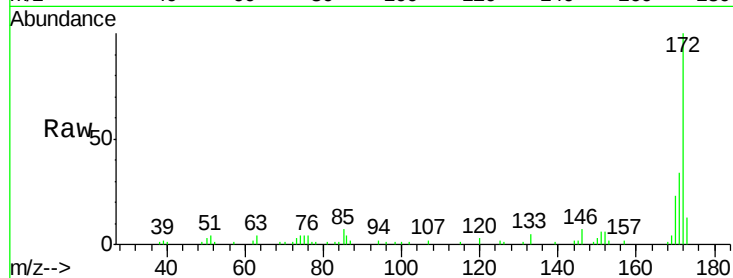
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	6197		
332	103.3	77.3	115.9	
141	49.9	26.8	40.2#	





#44
2-Fluorobiphenyl
Concen: 7.12 ng
RT: 9.72 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF080005.D
Acq: 17 Jun 2015 1:08

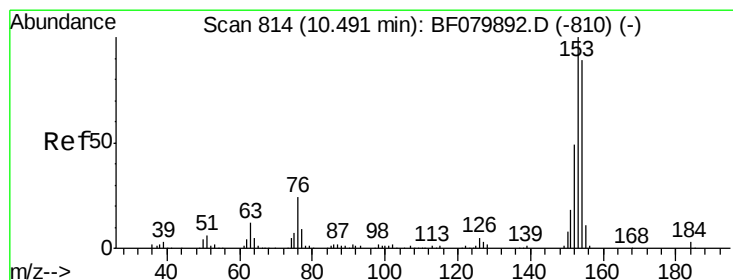
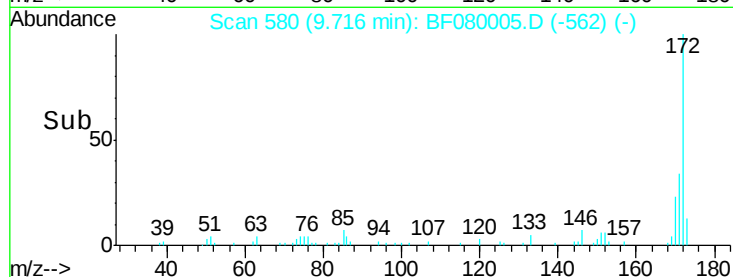
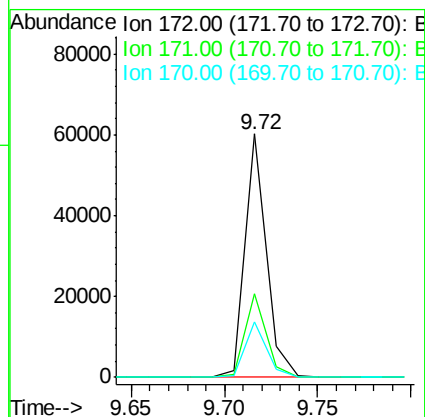
Instrument :
BNA_F
ClientSampleId :
VALHALLA-W3-6.5-7DL



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	48215		
171	34.2	28.3	42.5	
170	22.8	19.0	28.4	

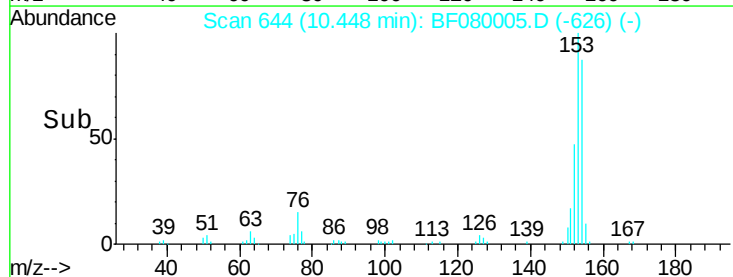
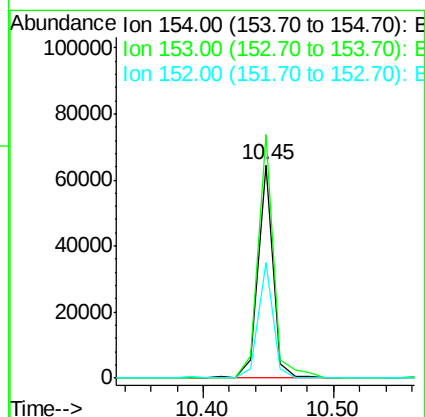
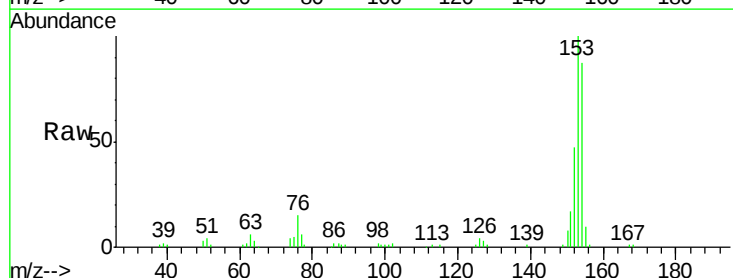
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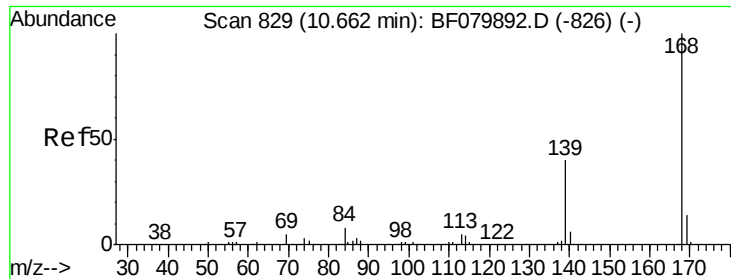
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#51
Acenaphthene
Concen: 8.26 ng
RT: 10.45 min Scan# 644
Delta R.T. 0.00 min
Lab File: BF080005.D
Acq: 17 Jun 2015 1:08

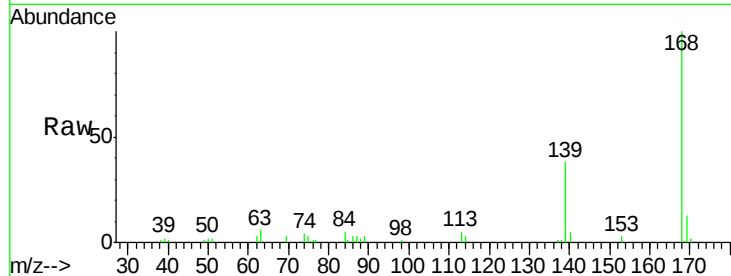
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	51767		
153	114.3	90.0	135.0	
152	54.0	43.7	65.5	





#54
Dibenzenofuran
Concen: 3.35 ng
RT: 10.62 min Scan# 659
Delta R.T. 0.00 min
Lab File: BF080005.D
Acq: 17 Jun 2015 1:08

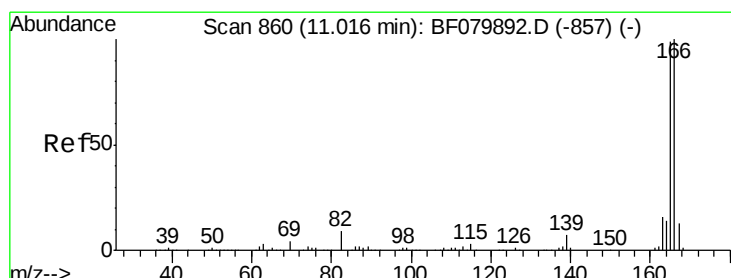
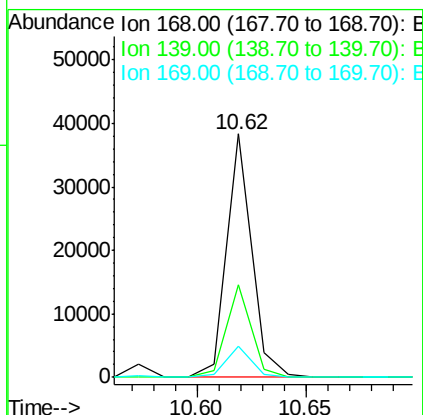
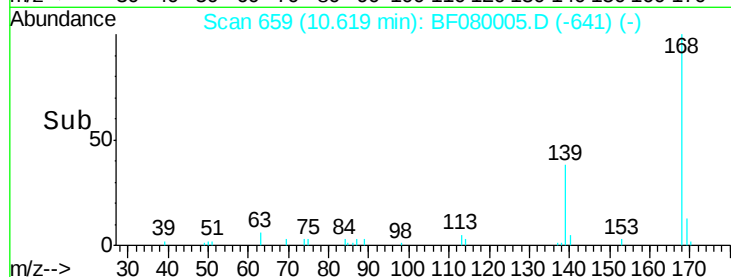
Instrument :
BNA_F
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Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.9	32.2	48.2
169	13.0	11.0	16.6

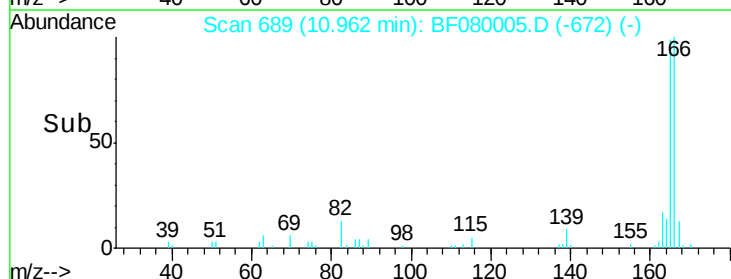
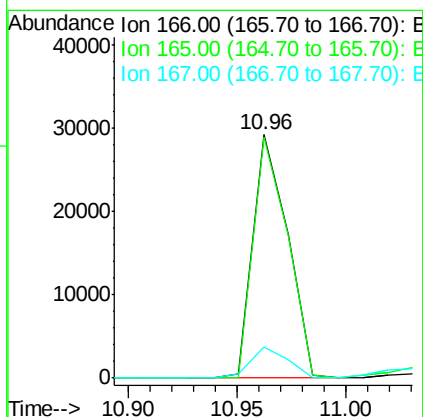
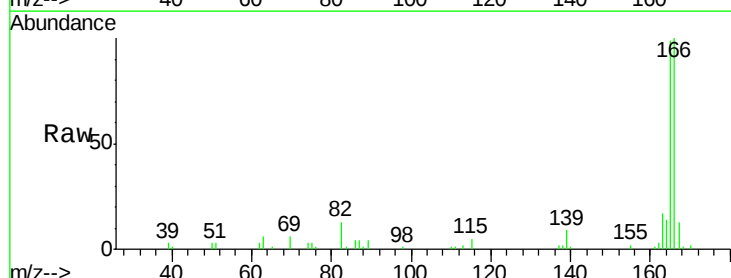
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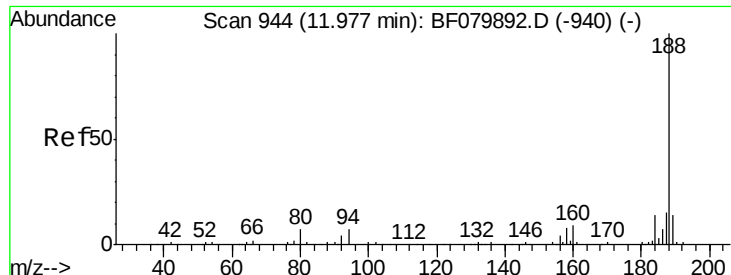
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#57
Fluorene
Concen: 4.06 ng
RT: 10.96 min Scan# 689
Delta R.T. -0.01 min
Lab File: BF080005.D
Acq: 17 Jun 2015 1:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.0	118.6
167	12.8	10.3	15.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.93 min Scan# 774

Delta R.T. 0.01 min

Lab File: BF080005.D

Acq: 17 Jun 2015 1:08

Instrument :

BNA_F

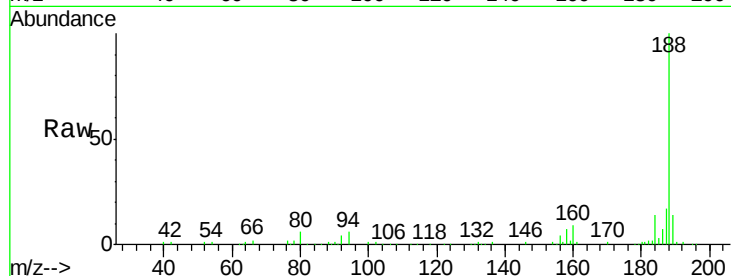
ClientSampleId :

VALHALLA-W3-6.5-7DL

Tgt Ion:	188	Resp:	178281
Ion Ratio	Lower	Upper	
188	100		
94	6.2	5.8	8.8
80	6.0	5.9	8.9

Manual Integrations
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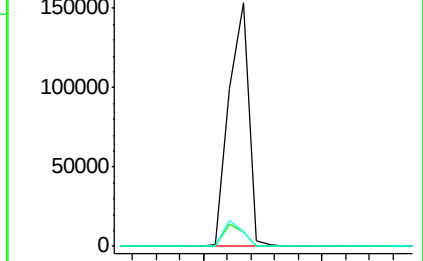
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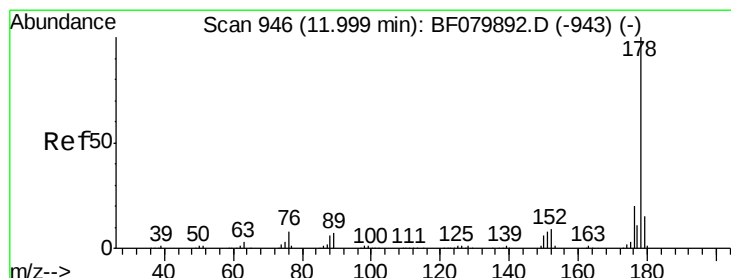
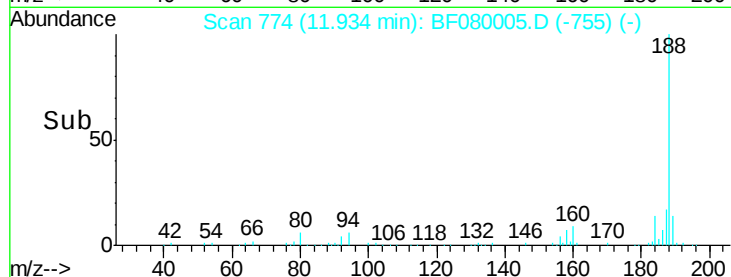
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 38.32 ng

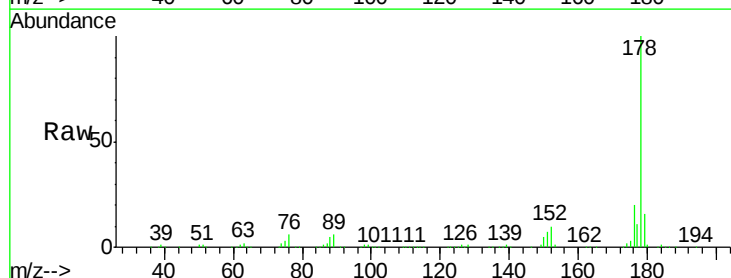
RT: 11.96 min Scan# 776

Delta R.T. 0.01 min

Lab File: BF080005.D

Acq: 17 Jun 2015 1:08

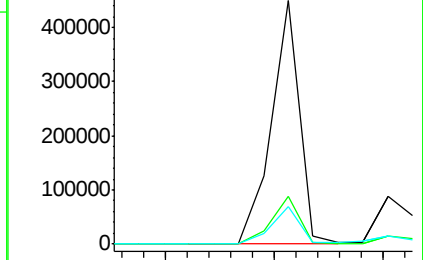
Tgt Ion:	178	Resp:	407110
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.9	23.9
179	15.6	12.3	18.5



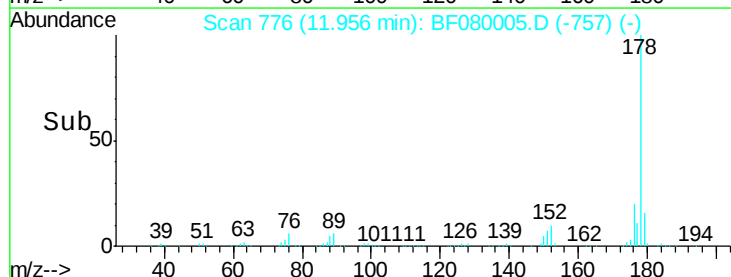
Abundance Ion 178.00 (177.70 to 178.70): E

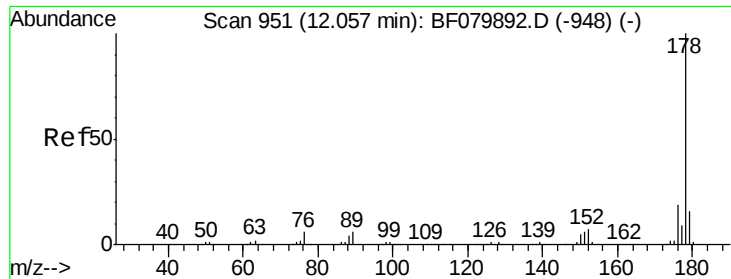
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



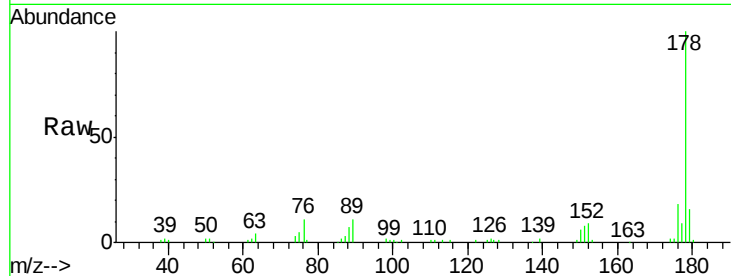
Time-->





#71
 Anthracene
 Concen: 10.53 ng
 RT: 12.00 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF080005.D
 Acq: 17 Jun 2015 1:08

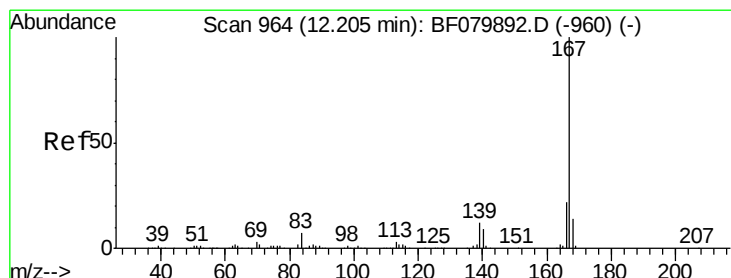
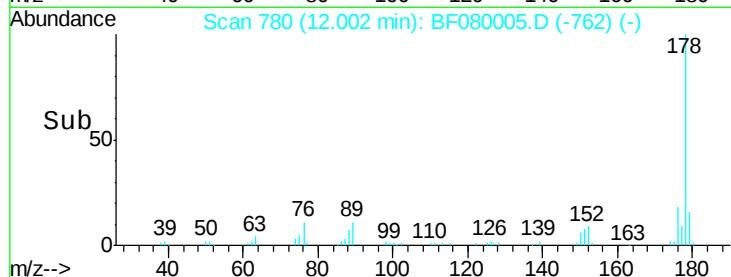
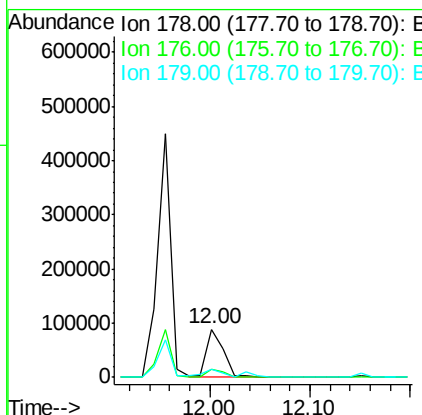
Instrument :
 BNA_F
 ClientSampleId :
 VALHALLA-W3-6.5-7DL



Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.2	22.8
179	15.6	12.5	18.7

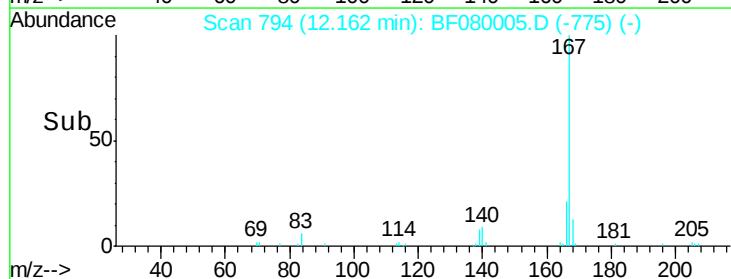
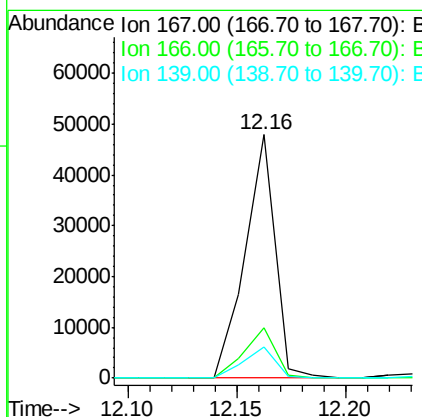
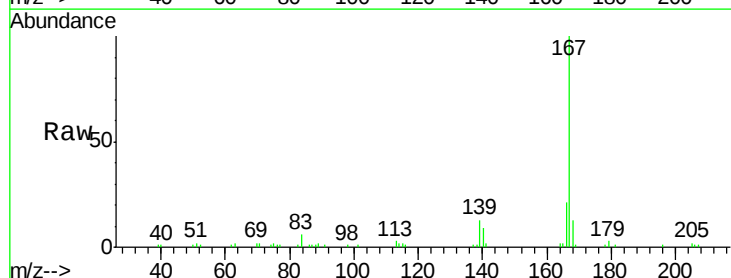
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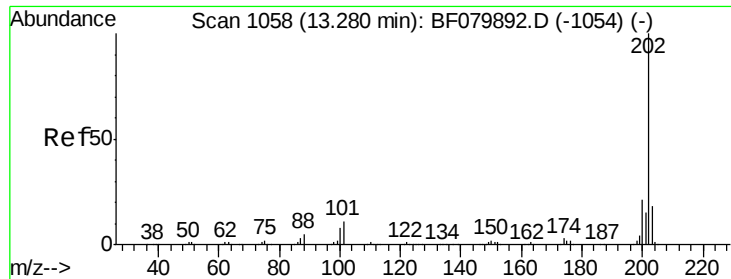
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#72
 Carbazole
 Concen: 4.59 ng
 RT: 12.16 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: BF080005.D
 Acq: 17 Jun 2015 1:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.4	26.2
139	12.8	9.5	14.3





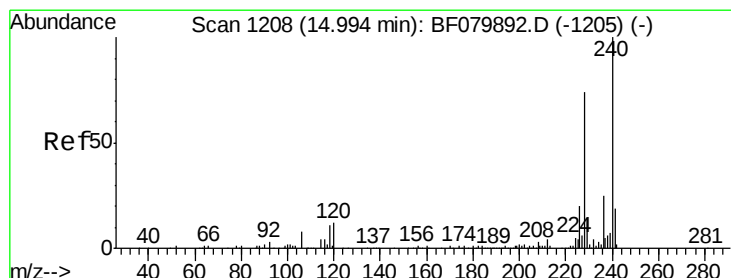
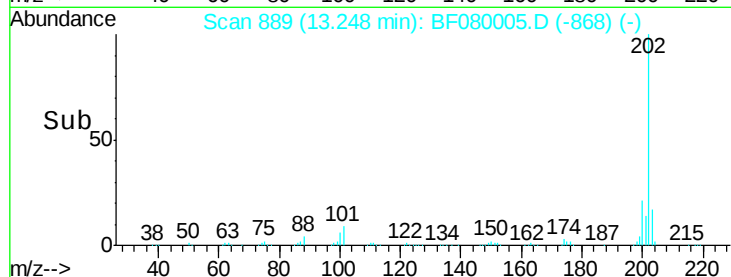
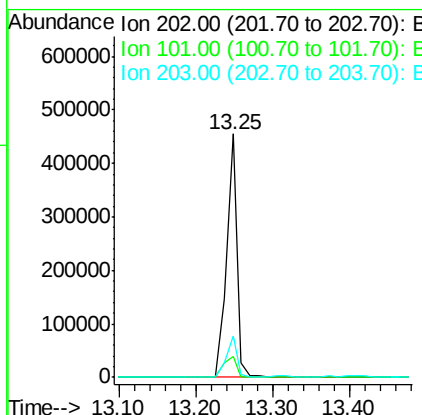
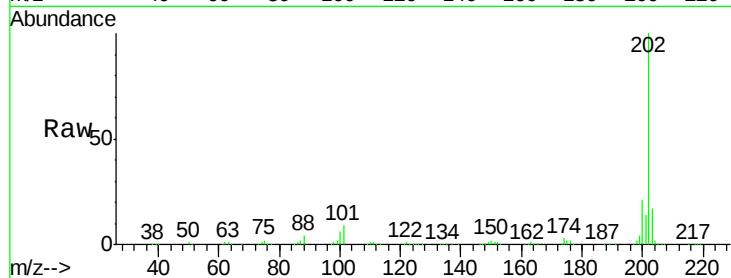
#74
 Fluoranthene
 Concen: 37.64 ng
 RT: 13.25 min Scan# 889
 Delta R.T. 0.03 min
 Lab File: BF080005.D
 Acq: 17 Jun 2015 1:08

Instrument :
 BNA_F
 ClientSampleId :
 VALHALLA-W3-6.5-7DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.7	0.0	30.7
203	17.0	0.0	38.0

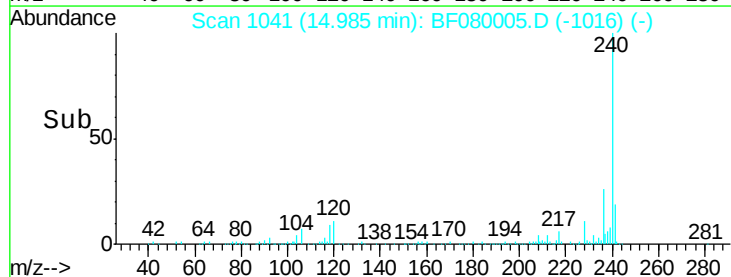
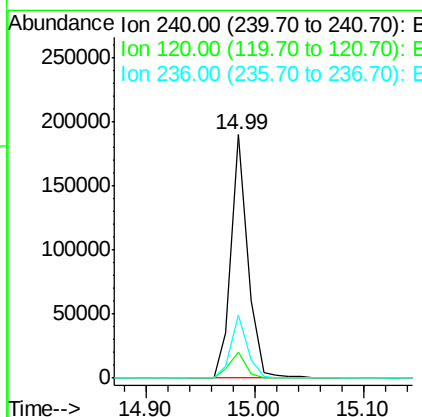
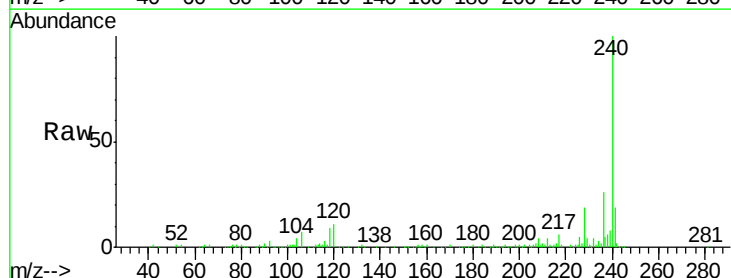
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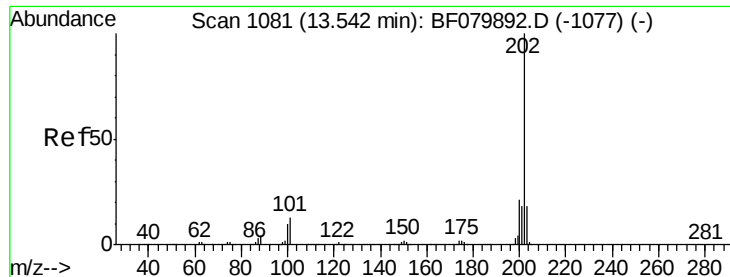
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.99 min Scan# 1041
 Delta R.T. 0.08 min
 Lab File: BF080005.D
 Acq: 17 Jun 2015 1:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.6	9.4	14.2
236	26.0	19.6	29.4





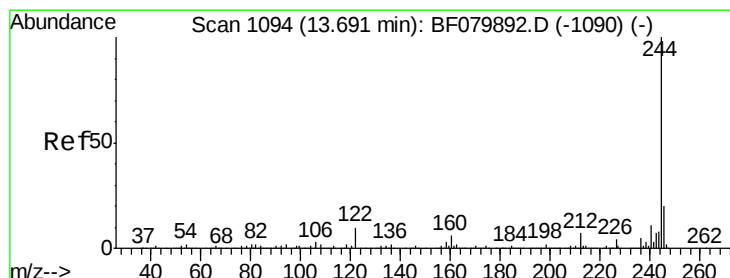
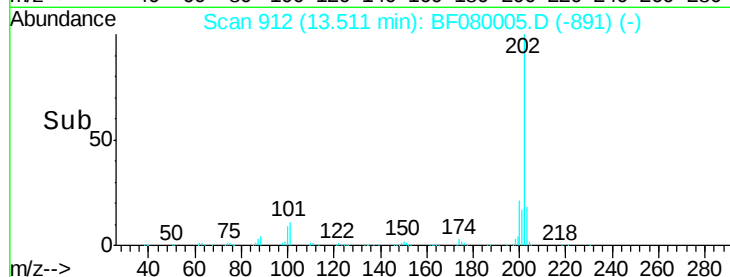
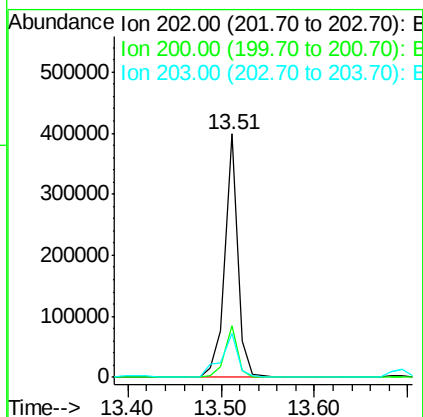
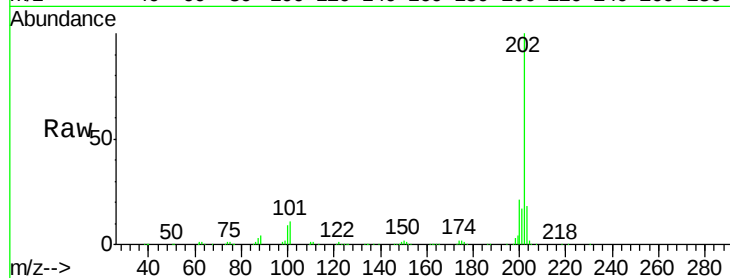
#77
Pyrene
Concen: 30.22 ng
RT: 13.51 min Scan# 912
Delta R.T. 0.03 min
Lab File: BF080005.D
Acq: 17 Jun 2015 1:08

Instrument :
BNA_F
ClientSampleId :
VALHALLA-W3-6.5-7DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.2	16.8	25.2
203	18.2	14.4	21.6

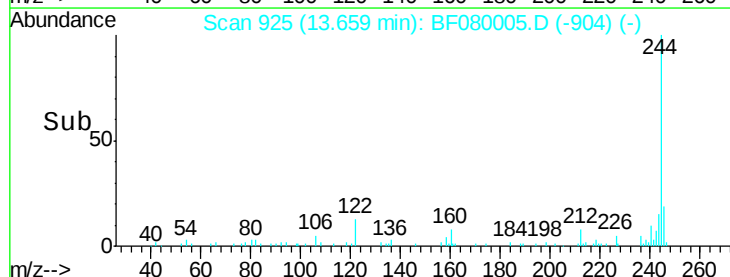
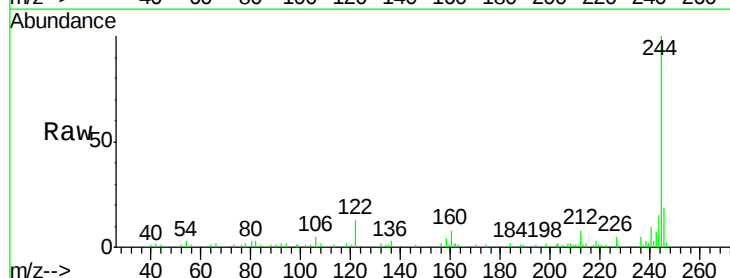
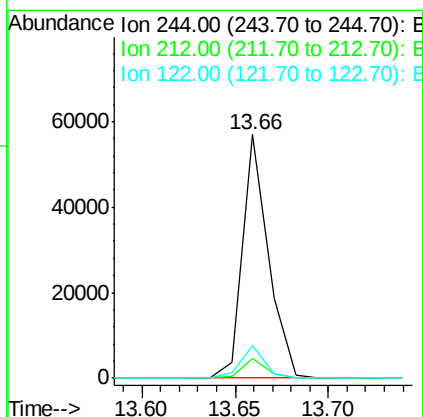
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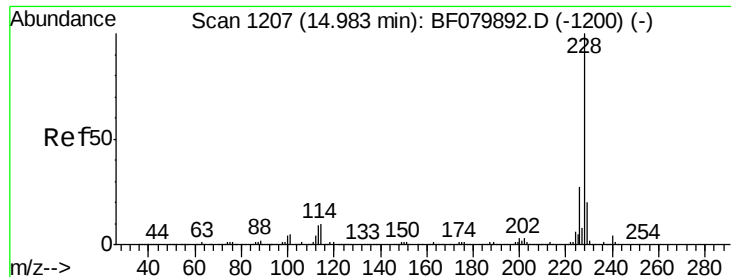
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#78
Terphenyl-d14
Concen: 6.22 ng
RT: 13.66 min Scan# 925
Delta R.T. 0.03 min
Lab File: BF080005.D
Acq: 17 Jun 2015 1:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.3	5.4	8.2#
122	13.1	7.8	11.8#





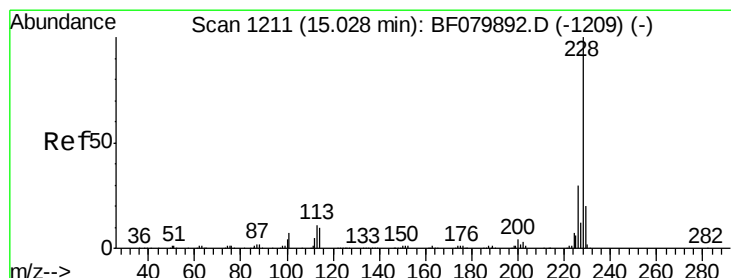
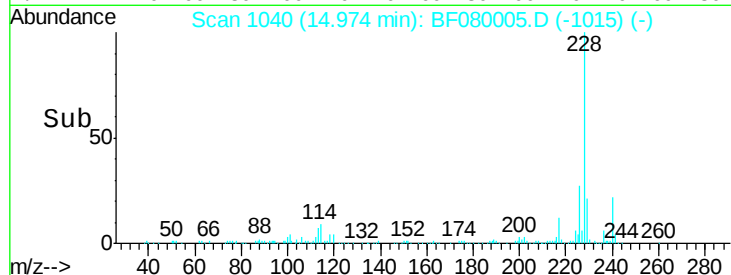
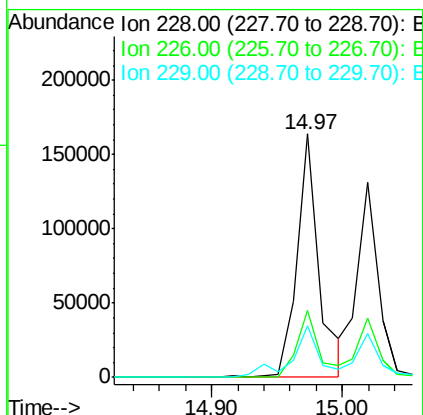
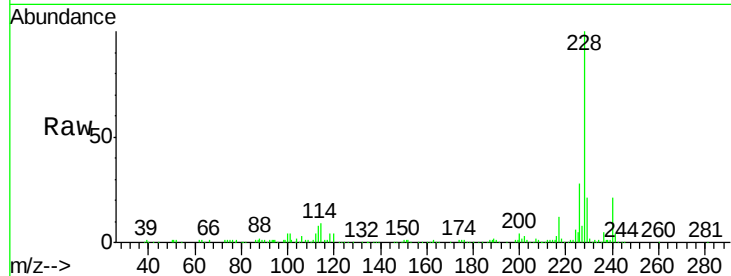
#80
Benzo(a)anthracene
Concen: 15.12 ng
RT: 14.97 min Scan# 1040
Delta R.T. 0.08 min
Lab File: BF080005.D
Acq: 17 Jun 2015 1:08

Instrument :
BNA_F
ClientSampleId :
VALHALLA-W3-6.5-7DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	194882		
226	27.5	21.8	32.8	
229	21.3	15.9	23.9	

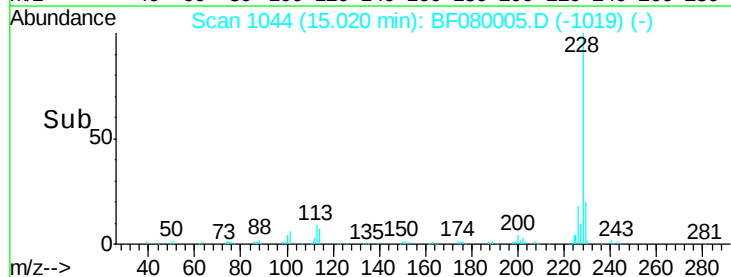
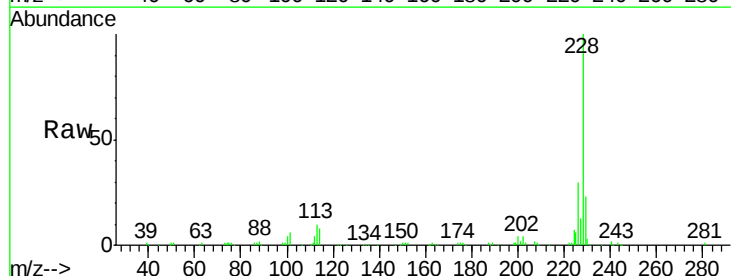
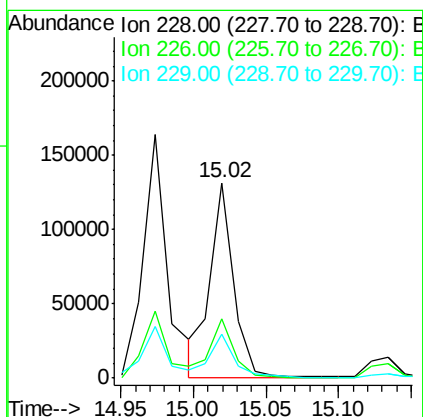
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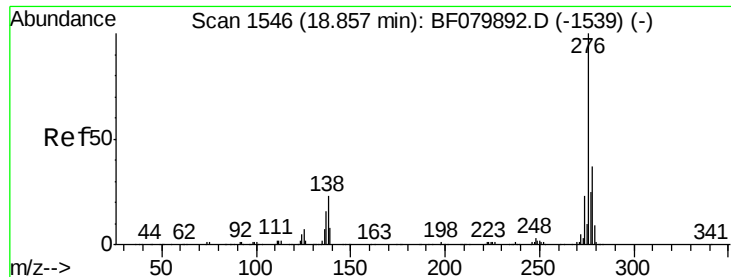
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#82
Chrysene
Concen: 12.22 ng
RT: 15.02 min Scan# 1044
Delta R.T. 0.08 min
Lab File: BF080005.D
Acq: 17 Jun 2015 1:08

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	149485		
226	30.0	23.9	35.9	
229	22.7	16.1	24.1	





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.61 ng

RT: 18.81 min Scan# 1376

Delta R.T. 0.14 min

Lab File: BF080005.D

Acq: 17 Jun 2015 1:08

Instrument :

BNA_F

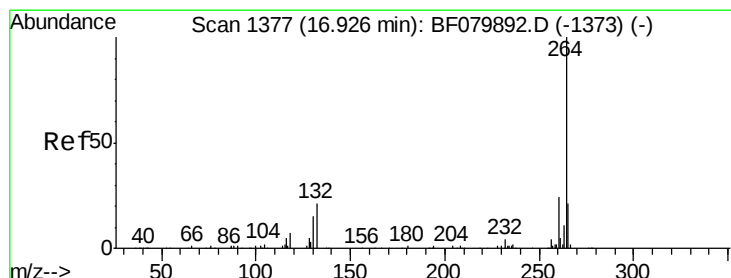
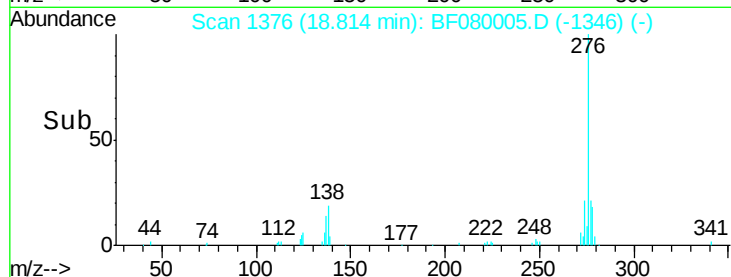
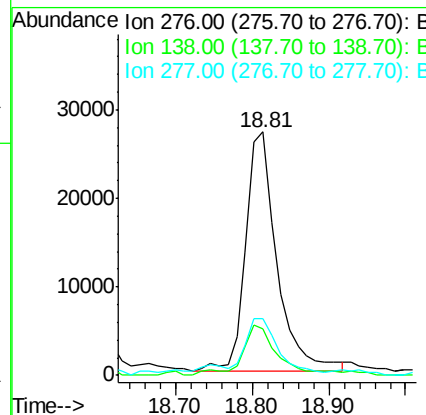
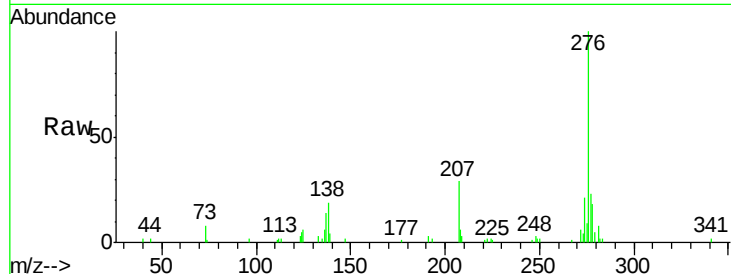
ClientSampleId :

VALHALLA-W3-6.5-7DL

Tgt Ion:	276	Resp:	75686
Ion Ratio	Lower	Upper	
276	100		
138	24.4	21.0	31.4
277	22.8	19.9	29.9

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#86

Perylene-d12

Concen: 20.00 ng

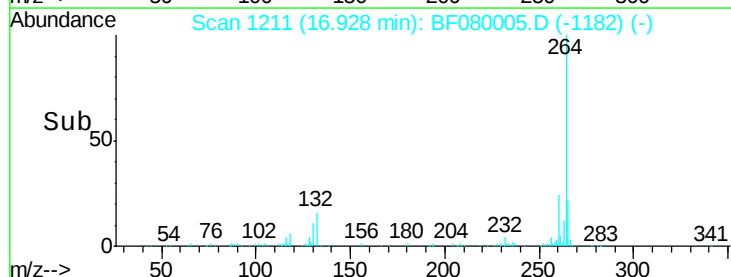
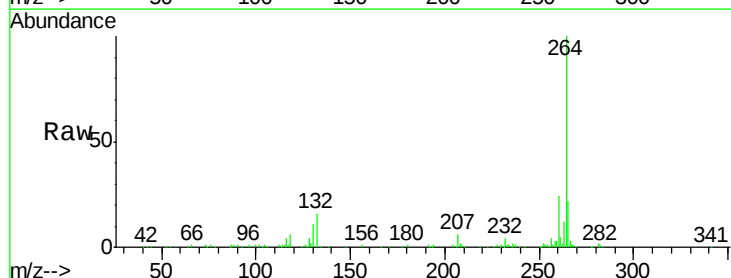
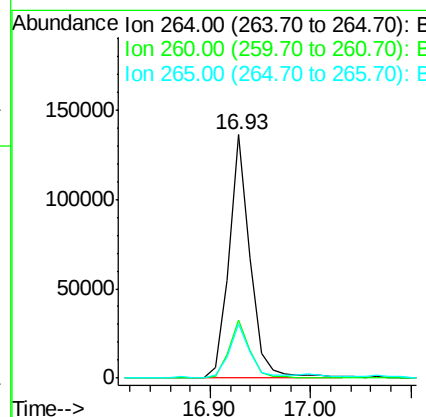
RT: 16.93 min Scan# 1211

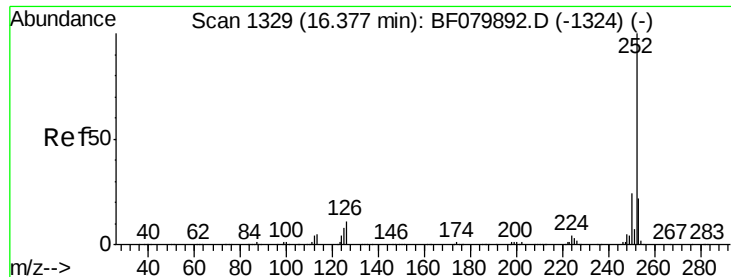
Delta R.T. 0.13 min

Lab File: BF080005.D

Acq: 17 Jun 2015 1:08

Tgt Ion:	264	Resp:	199093
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.3	28.9
265	22.1	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 14.94 ng m

RT: 16.38 min Scan# 1163

Delta R.T. 0.13 min

Lab File: BF080005.D

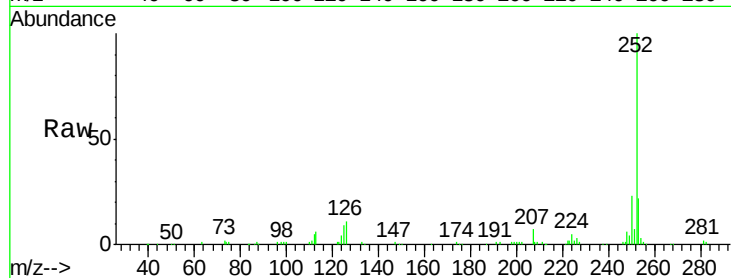
Acq: 17 Jun 2015 1:08

Instrument :

BNA_F

ClientSampleId :

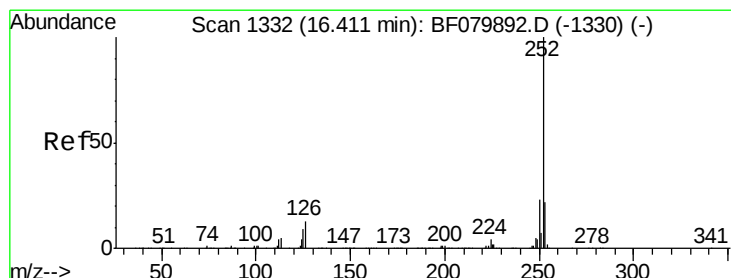
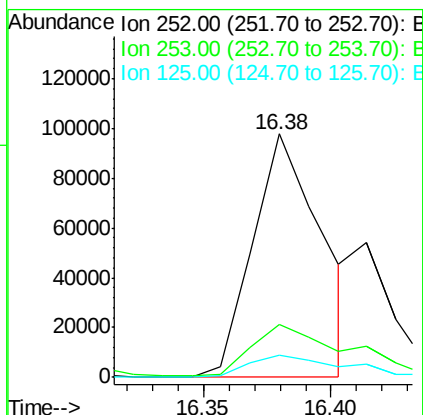
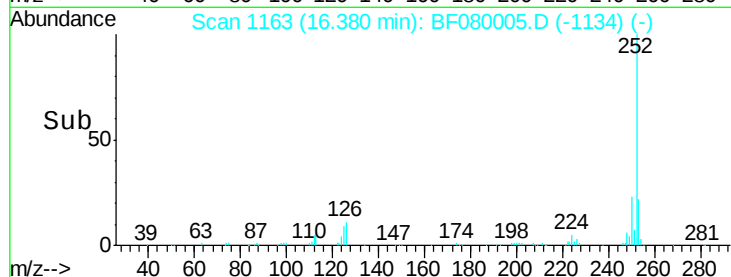
VALHALLA-W3-6.5-7DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	9.0	6.5	9.7

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#88

Benzo(k)fluoranthene

Concen: 4.88 ng m

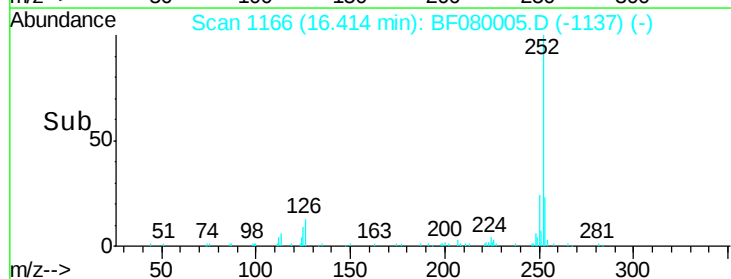
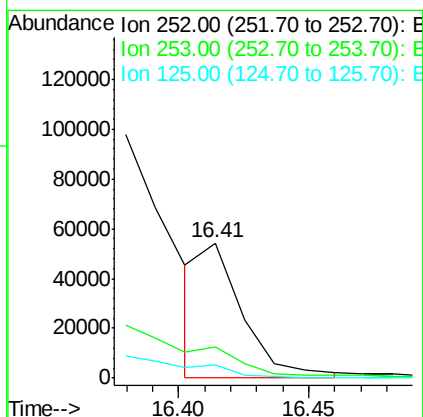
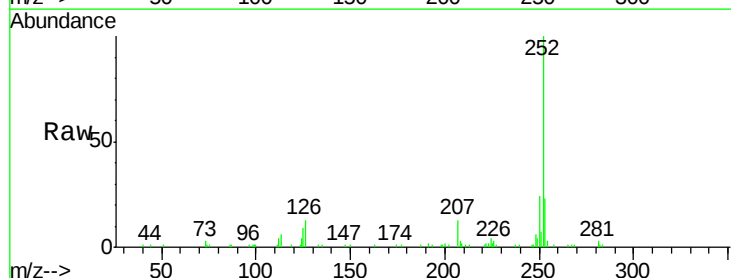
RT: 16.41 min Scan# 1166

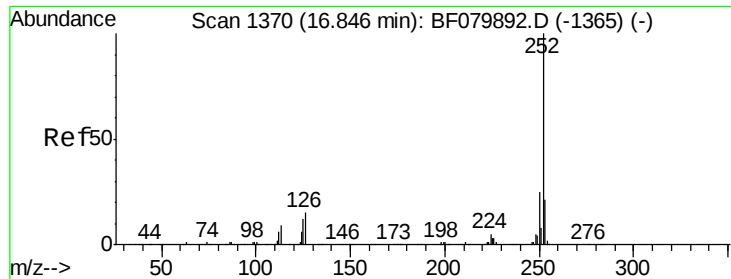
Delta R.T. 0.13 min

Lab File: BF080005.D

Acq: 17 Jun 2015 1:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.2
125	9.4	7.4	11.0





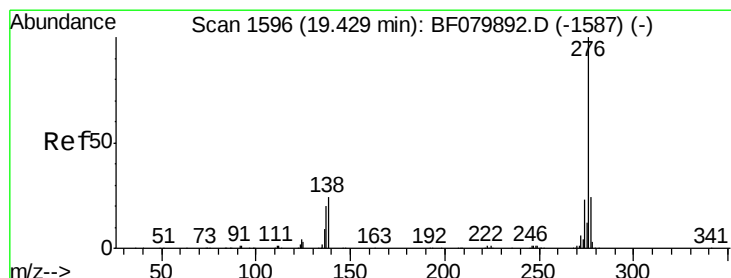
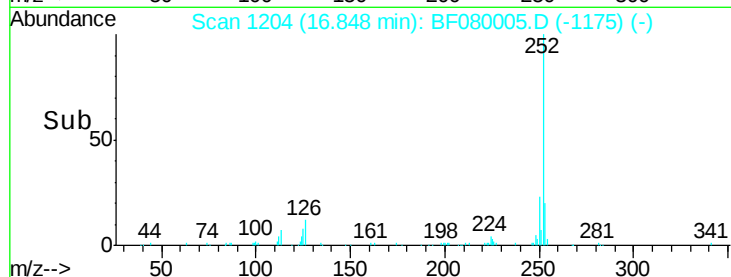
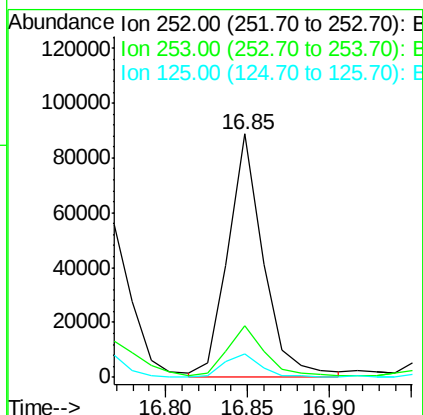
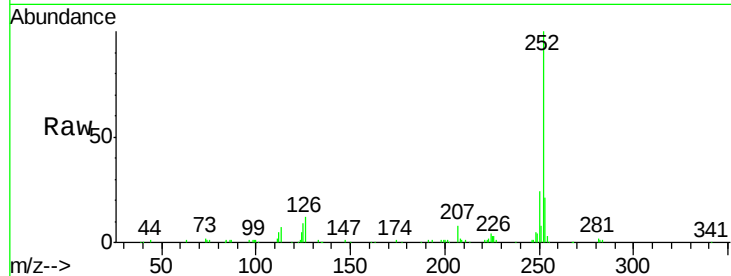
#89
Benzo(a)pyrene
Concen: 11.53 ng m
RT: 16.85 min Scan# 1204
Delta R.T. 0.13 min
Lab File: BF080005.D
Acq: 17 Jun 2015 1:08

Instrument :
BNA_F
ClientSampleId :
VALHALLA-W3-6.5-7DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.1	17.0	25.6
125	9.4	9.7	14.5

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#91
Benzo(g,h,i)perylene
Concen: 6.36 ng
RT: 19.37 min Scan# 1425
Delta R.T. 0.14 min
Lab File: BF080005.D
Acq: 17 Jun 2015 1:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	22.6	19.4	29.2
138	21.2	19.1	28.7

