

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082416\
 Data File : BF089907.D
 Acq On : 25 Aug 2016 7:18
 Operator : UM/SJ
 Sample : H4566-06 5X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC2-W-5-02

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Quant Time: Aug 25 17:36:01 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	452746	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	1810540	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	800894	20.00	ng	-0.01
63) Phenanthrene-d10	11.19	188	1524741	20.00	ng	0.00
75) Chrysene-d12	13.86	240	983731	20.00	ng	-0.01
86) Perylene-d12	15.37	264	1060633	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	633895	24.01	ng	-0.02
7) Phenol-d6	6.30	99	756373	23.34	ng	-0.02
23) Nitrobenzene-d5	7.23	82	413051	14.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	179290	23.56	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	861885	18.91	ng	-0.01
78) Terphenyl-d14	12.78	244	635236	14.61	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.43	163	275170	4.88	ng	99
57) Fluorene	10.25	166	102451	2.10	ng	99
70) Phenanthrene	11.21	178	1463279	19.00	ng	99
71) Anthracene	11.26	178	356117	4.55	ng	97
72) Carbazole	11.42	167	181016	2.58	ng	# 95
74) Fluoranthene	12.39	202	1666405	22.75	ng	95
77) Pyrene	12.62	202	1459537	18.22	ng	98
80) Benzo(a)anthracene	13.85	228	751910	13.35	ng	97
82) Chrysene	13.89	228	543560	11.25	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	424729	6.89	ng	94
87) Benzo(b)fluoranthene	14.98	252	883858m	15.15	ng	
88) Benzo(k)fluoranthene	15.01	252	336751m	6.36	ng	
89) Benzo(a)pyrene	15.31	252	645486	11.69	ng	97
91) Benzo(a,h,i)perylene	17.05	276	432367	6.85	ng	97

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

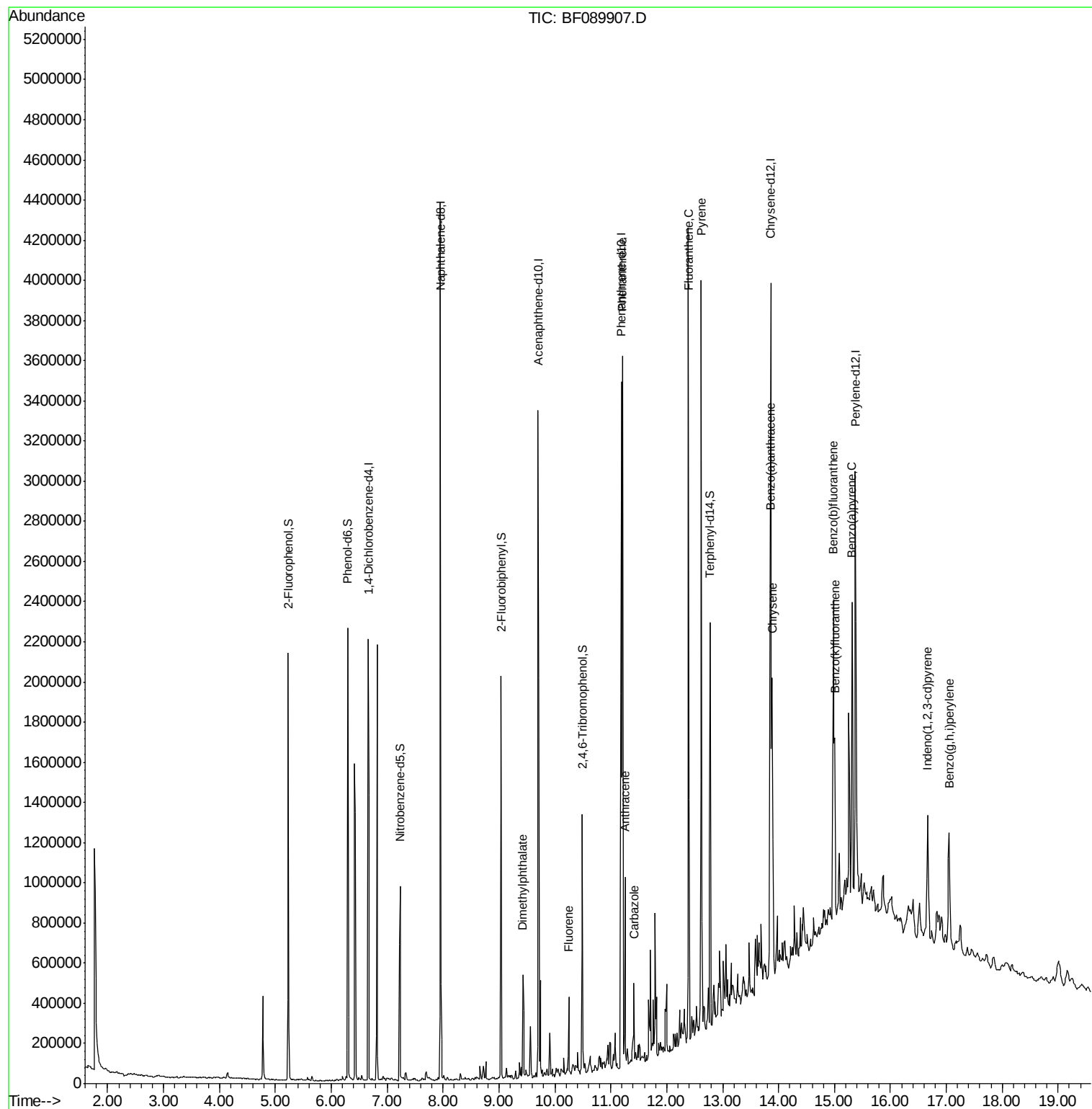
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082416\
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ALS Vial : 42 Sample Multiplier: 1

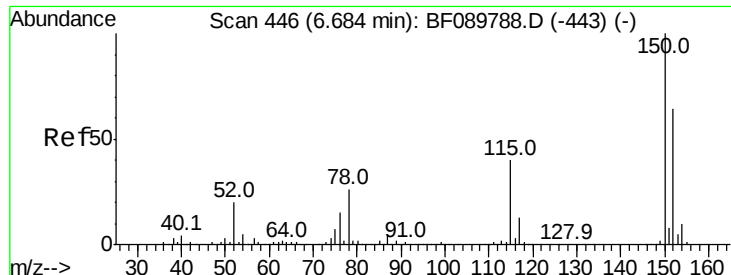
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WC2-W-5-02

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.02 min

Lab File: BF089907.D

Acq: 25 Aug 2016 7:18

Instrument :

BNA_F

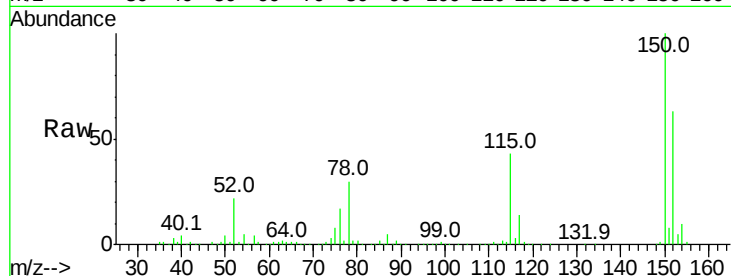
ClientSampleId :

WC2-W-5-02

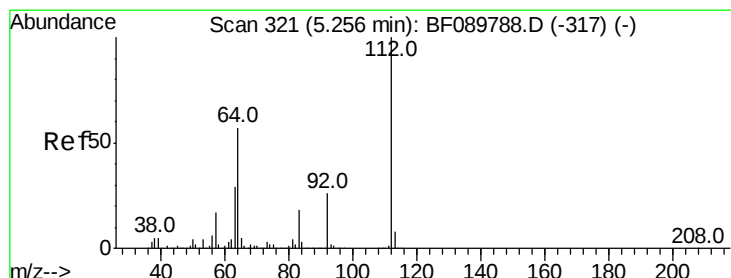
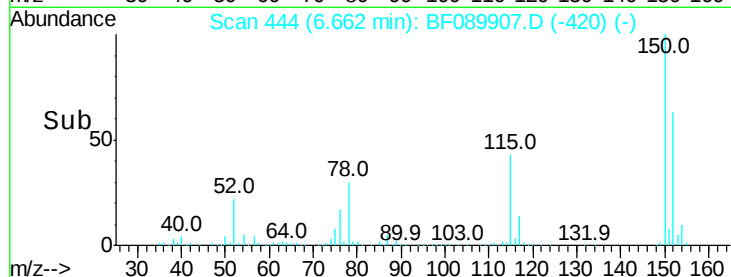
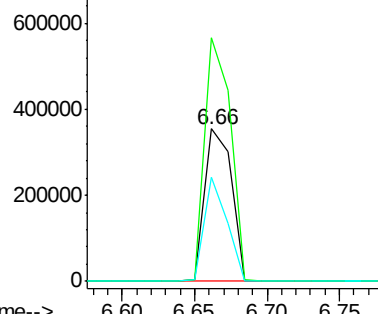
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	125.3	187.9
115	68.3	40.9	61.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 24.01 ng

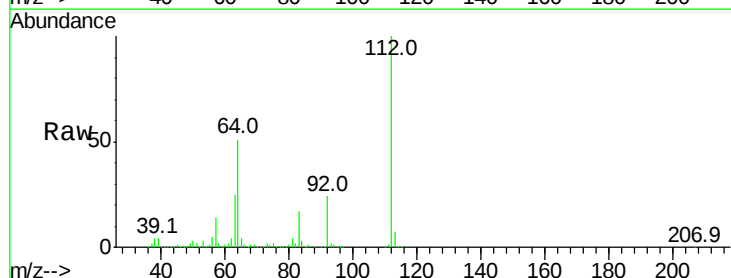
RT: 5.23 min Scan# 319

Delta R.T. -0.02 min

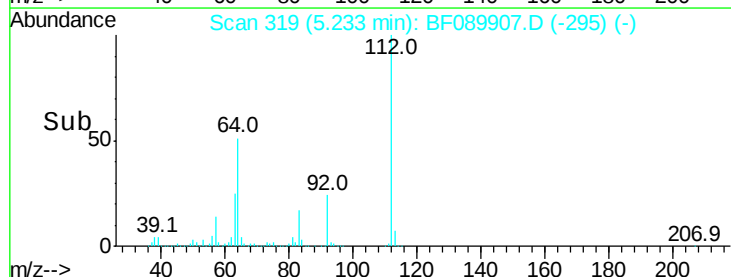
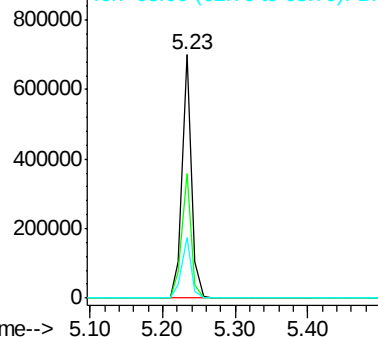
Lab File: BF089907.D

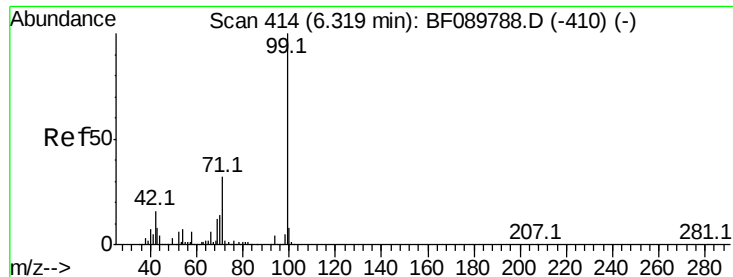
Acq: 25 Aug 2016 7:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.0	45.0	67.4
63	25.1	23.1	34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.34 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF089907.D

Acq: 25 Aug 2016 7:18

Instrument :

BNA_F

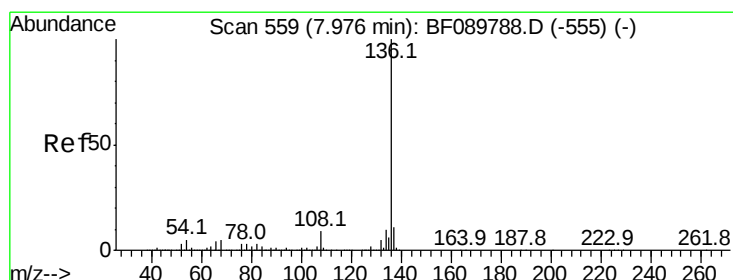
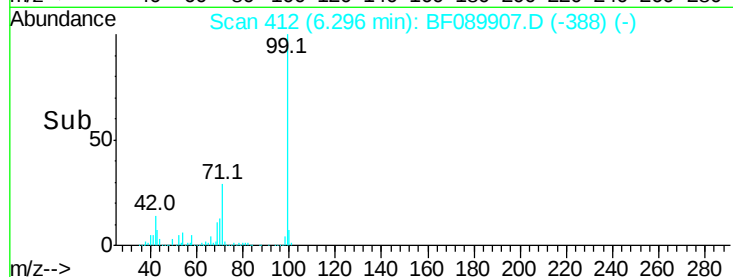
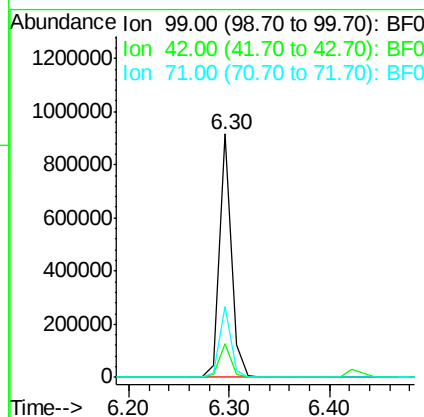
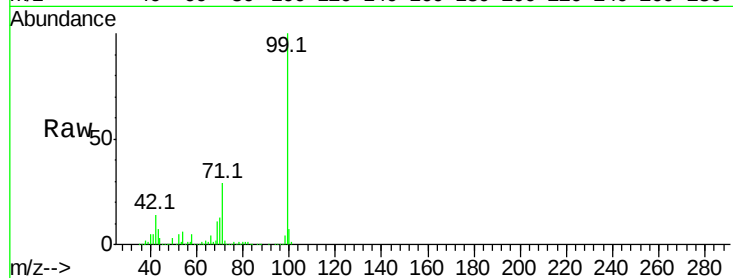
ClientSampleId :

WC2-W-5-02

Tot Ion:	99	Resp:	756373
Ion Ratio	Lower	Upper	
99	100		
42	14.0	12.2	18.4
71	29.3	23.8	35.8

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#21

Naphthalene-d8

Concen: 20.00 ng

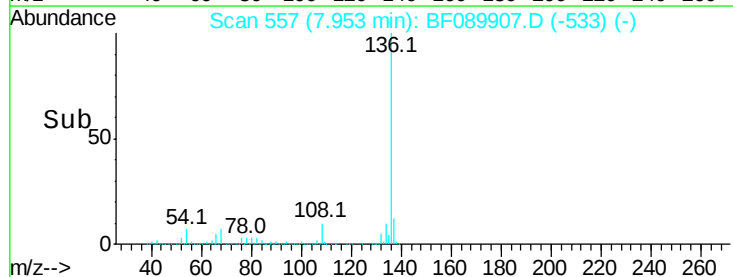
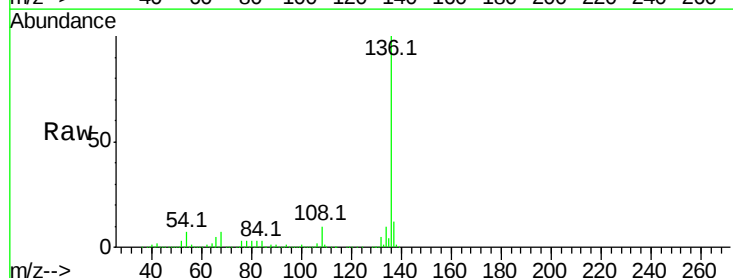
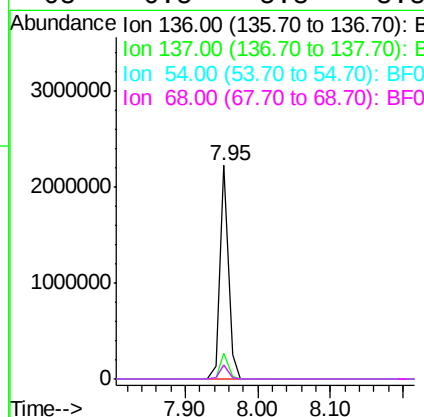
RT: 7.95 min Scan# 557

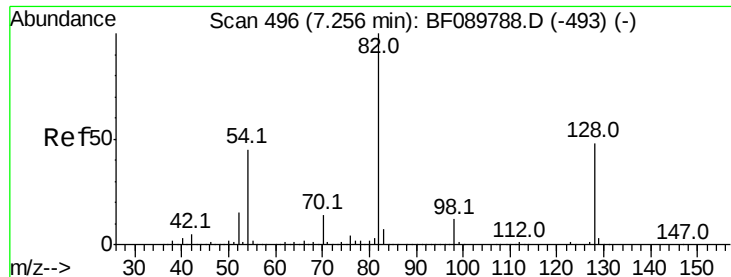
Delta R.T. -0.02 min

Lab File: BF089907.D

Acq: 25 Aug 2016 7:18

Tgt Ion:	136	Resp:	1810540
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.2	13.8
54	6.9	7.2	10.8#
68	6.5	5.8	8.8





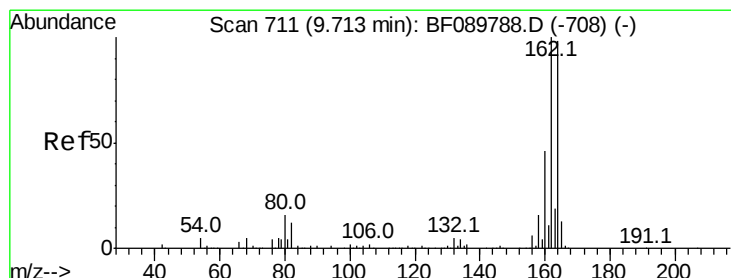
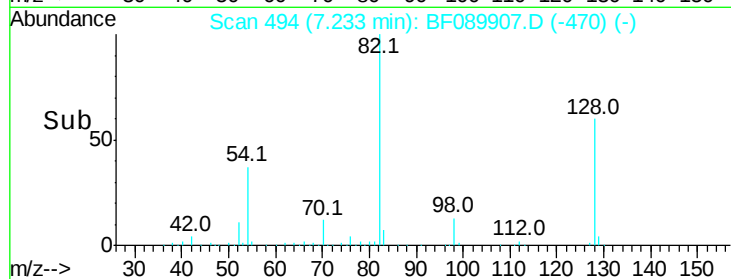
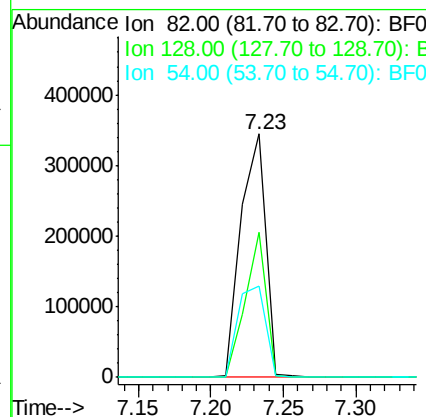
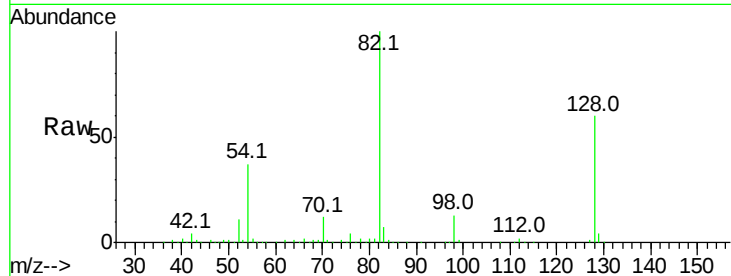
#23
 Nitrobenzene-d5
 Concen: 14.17 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF089907.D
 Acq: 25 Aug 2016 7:18

Instrument :
 BNA_F
 ClientSampleId :
 WC2-W-5-02

Tot Ion	Ratio	Resp	Lower	Upper
82	100	413051		
128	59.8	34.4	51.6#	
54	37.4	40.3	60.5#	

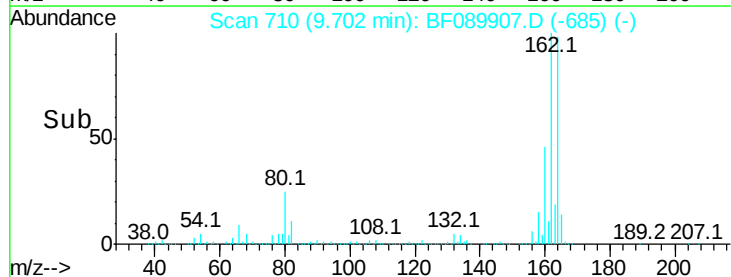
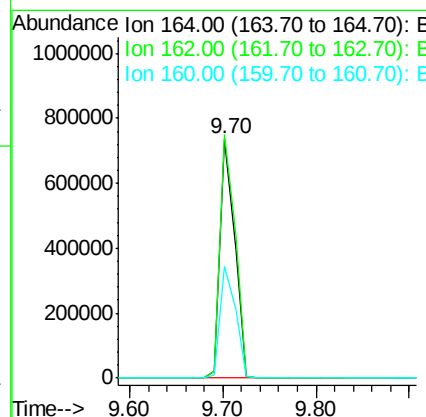
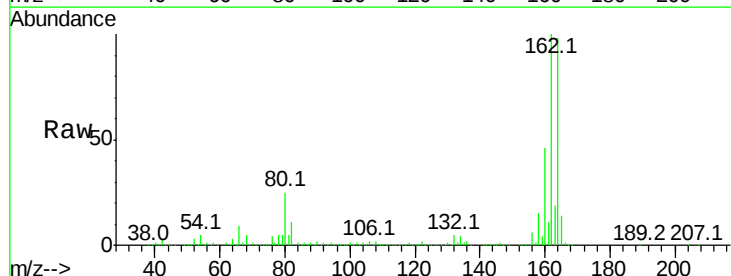
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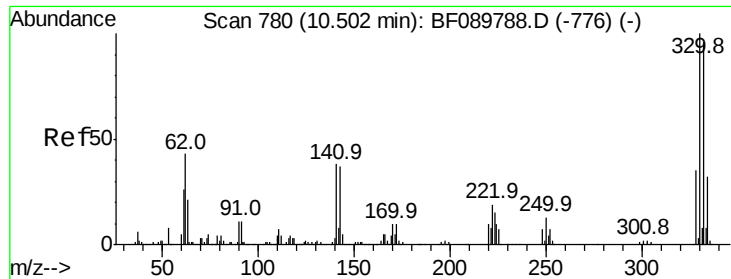
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: BF089907.D
 Acq: 25 Aug 2016 7:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	800894		
162	102.0	81.4	122.2	
160	47.1	37.8	56.6	





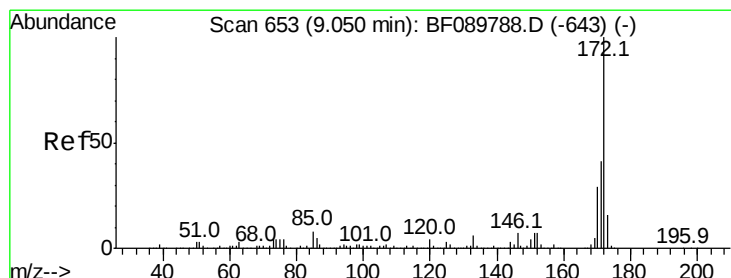
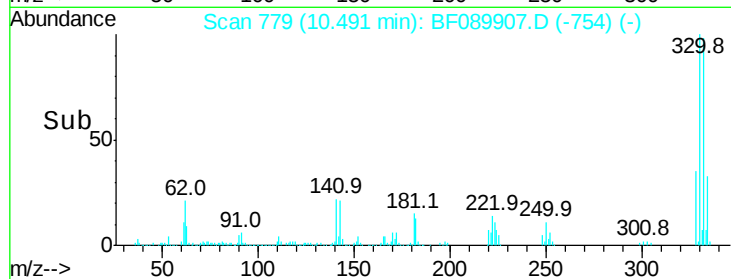
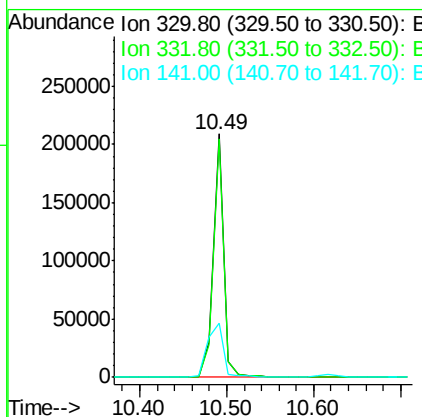
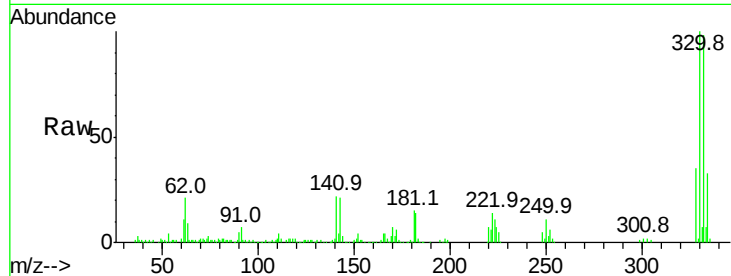
#41
 2,4,6-Tribromophenol
 Concen: 23.56 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089907.D
 Acq: 25 Aug 2016 7:18

Instrument :
 BNA_F
 ClientSampleId :
 WC2-W-5-02

Tot Ion	Ratio	Resp	Lower	Upper
330	100	179290		
332	96.7	76.7	115.1	
141	32.6	30.2	45.2	

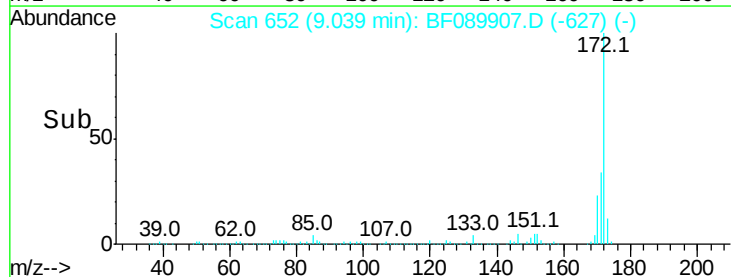
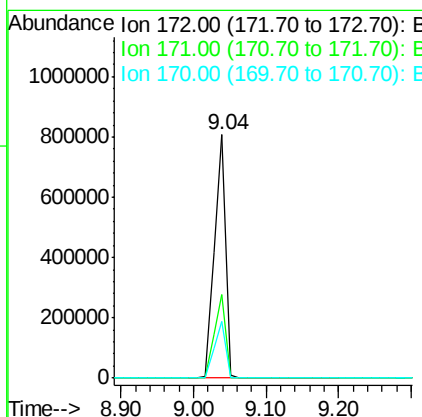
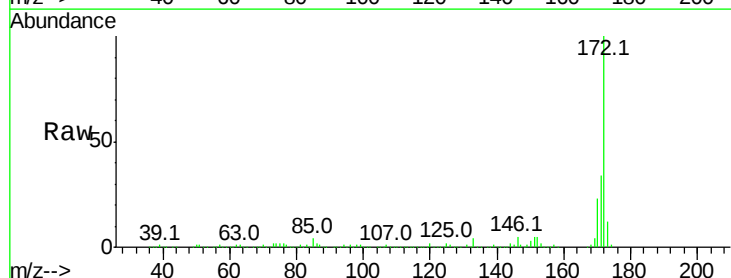
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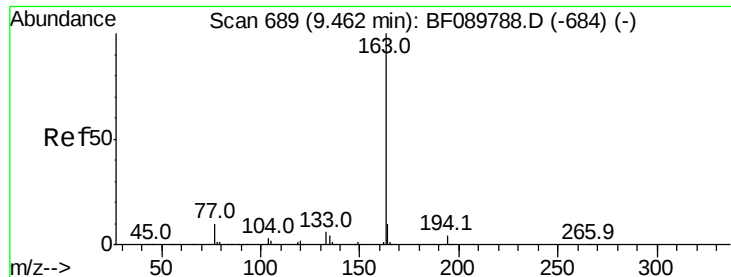
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#44
 2-Fluorobiphenyl
 Concen: 18.91 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089907.D
 Acq: 25 Aug 2016 7:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	861885		
171	34.2	30.5	45.7	
170	23.1	20.6	31.0	





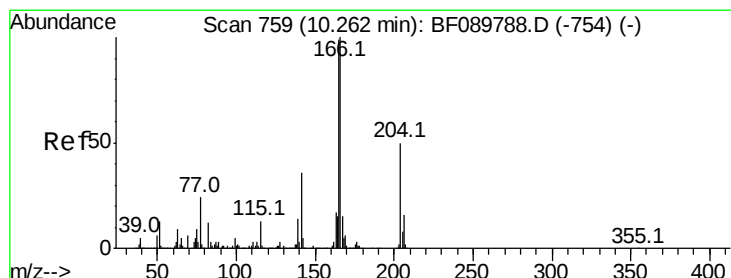
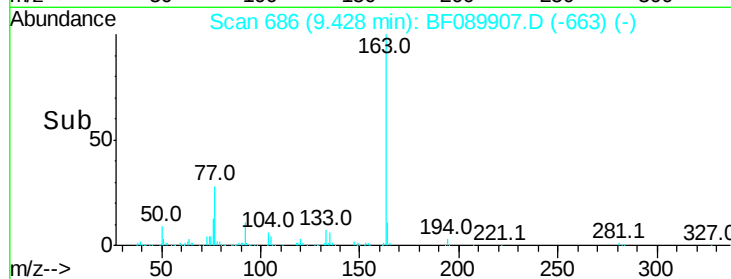
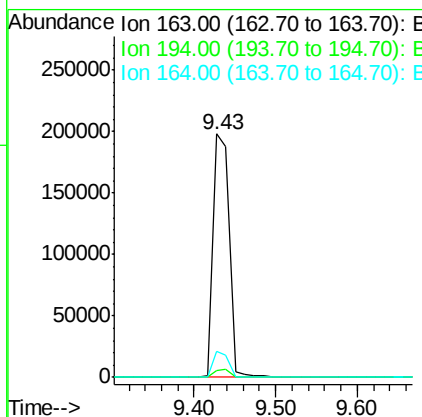
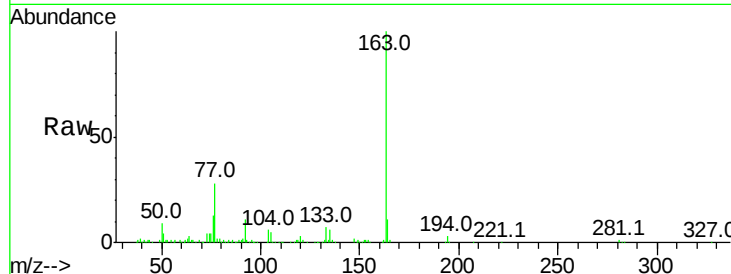
#49
Dimethylphthalate
Concen: 4.88 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF089907.D
Acq: 25 Aug 2016 7:18

Instrument :
BNA_F
ClientSampleId :
WC2-W-5-02

Tot Ion	Ratio	Resp	Lower	Upper
163	100	275170		
194	2.8		2.6	3.8
164	10.6		8.6	12.8

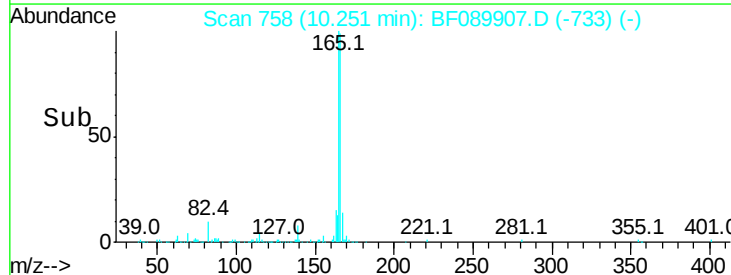
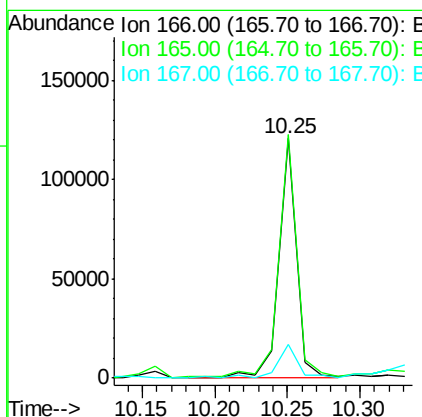
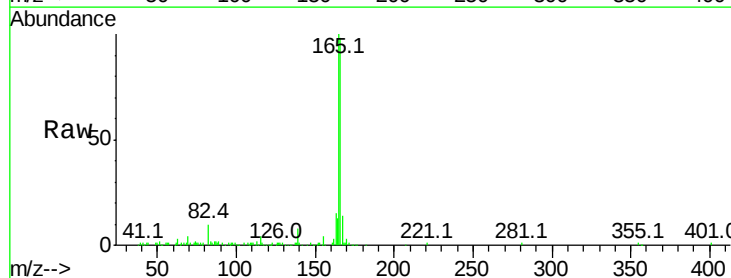
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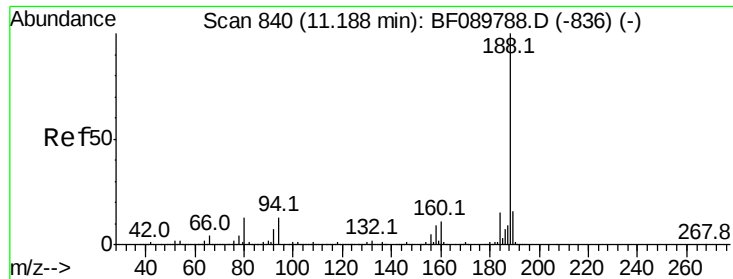
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#57
Fluorene
Concen: 2.10 ng
RT: 10.25 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF089907.D
Acq: 25 Aug 2016 7:18

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	102451		
165	101.7		80.2	120.4
167	14.3		11.3	16.9





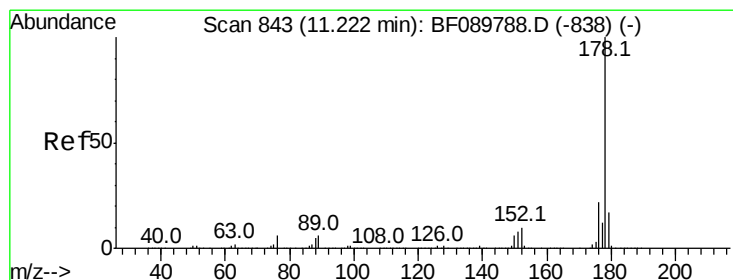
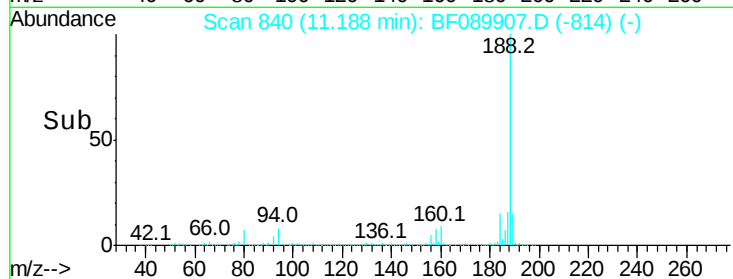
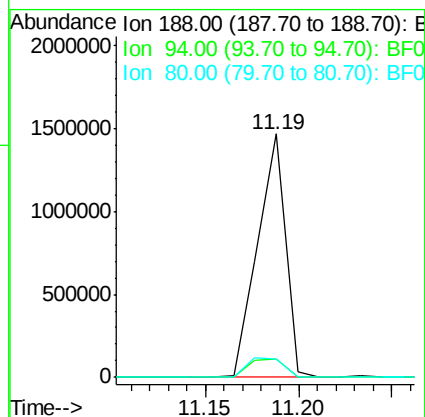
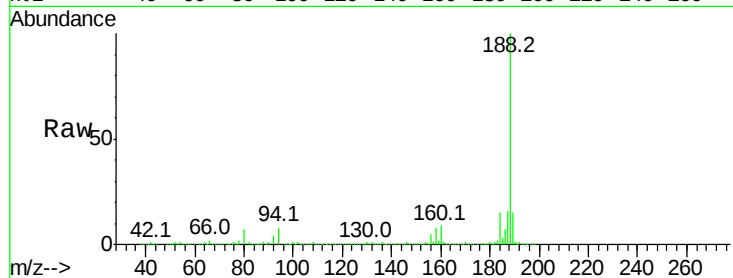
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF089907.D
Acq: 25 Aug 2016 7:18

Instrument :
BNA_F
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WC2-W-5-02

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.7	10.2	15.2#
80	7.5	10.9	16.3#

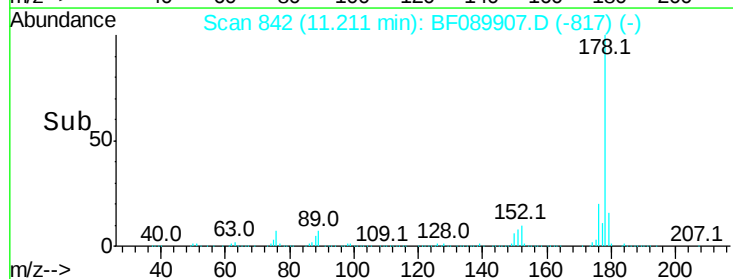
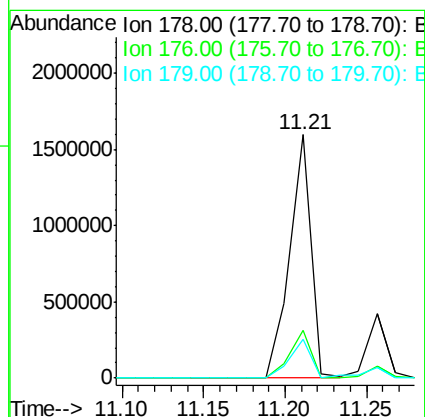
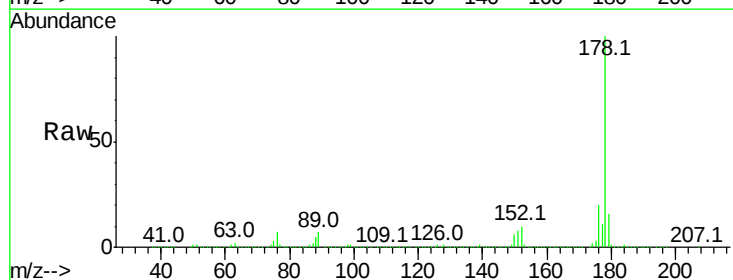
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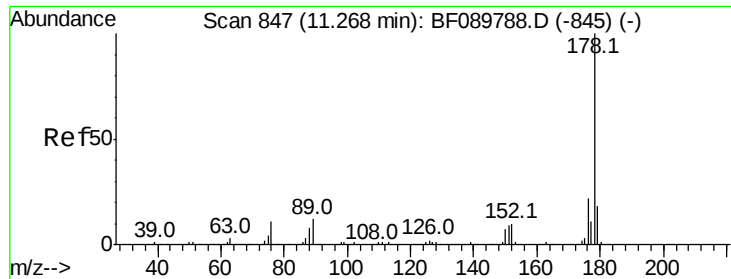
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#70
Phenanthrene
Concen: 19.00 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF089907.D
Acq: 25 Aug 2016 7:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.4	24.6
179	15.9	12.5	18.7





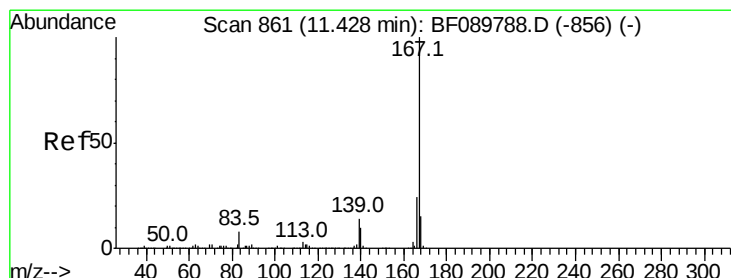
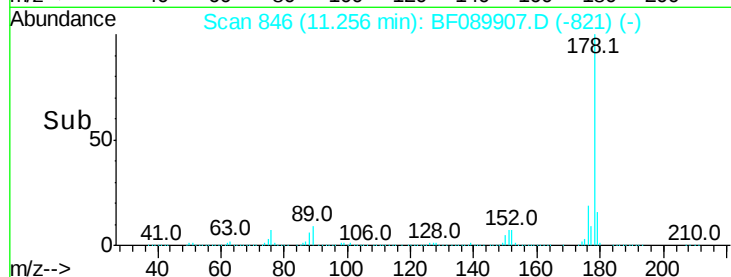
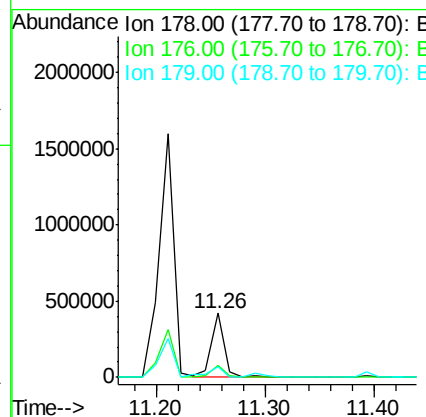
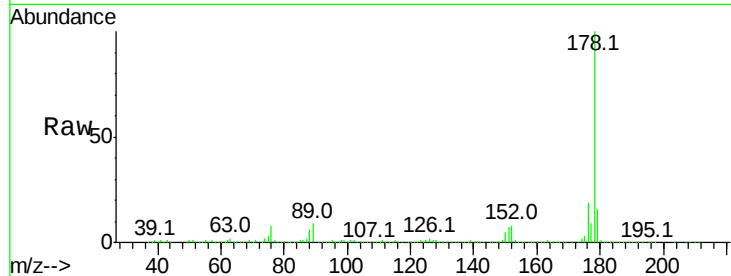
#71
 Anthracene
 Concen: 4.55 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: BF089907.D
 Acq: 25 Aug 2016 7:18

Instrument :
 BNA_F
 ClientSampleId :
 WC2-W-5-02

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.4	24.6
179	15.8	13.1	19.7

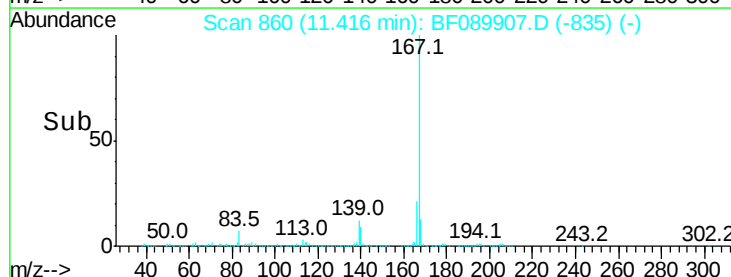
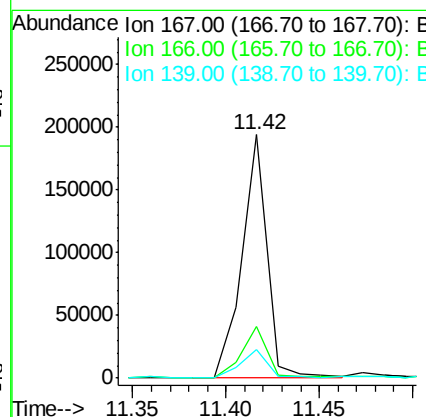
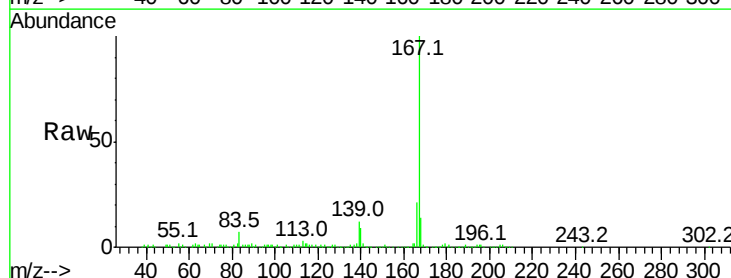
Manual Integrations
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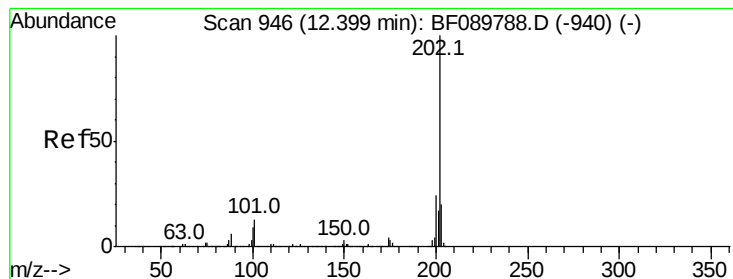
umangi
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#72
 Carbazole
 Concen: 2.58 ng
 RT: 11.42 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: BF089907.D
 Acq: 25 Aug 2016 7:18

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.9	26.9
139	11.8	12.4	18.6





#74

Fluoranthene

Concen: 22.75 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF089907.D

Acq: 25 Aug 2016 7:18

Instrument :

BNA_F

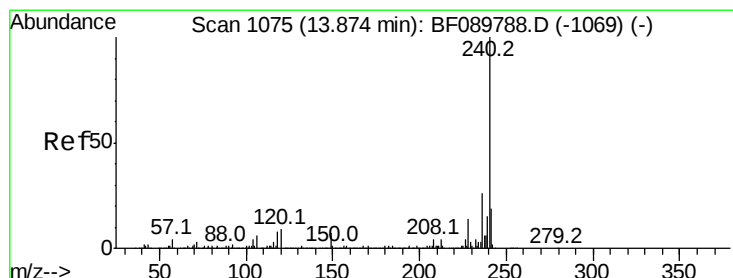
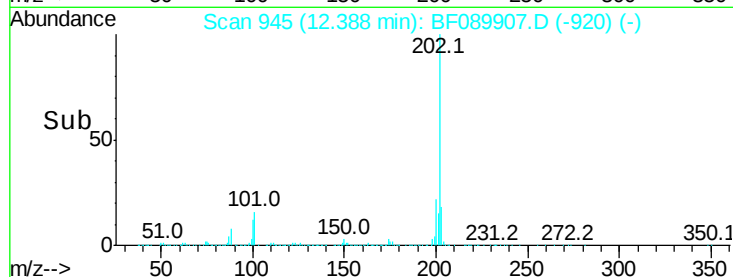
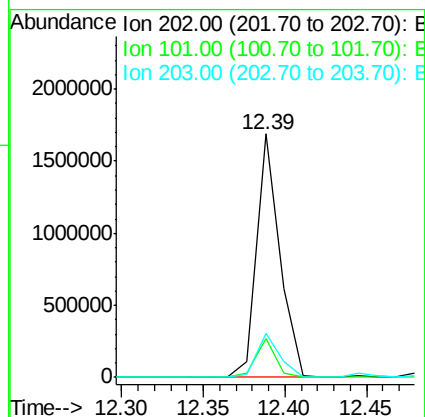
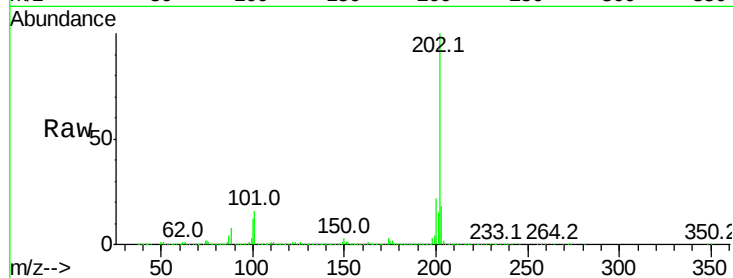
ClientSampleId :

WC2-W-5-02

Tot Ion:	202	Resp:	1666405
Ion Ratio	Lower	Upper	
202	100		
101	16.2	0.0	31.2
203	18.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

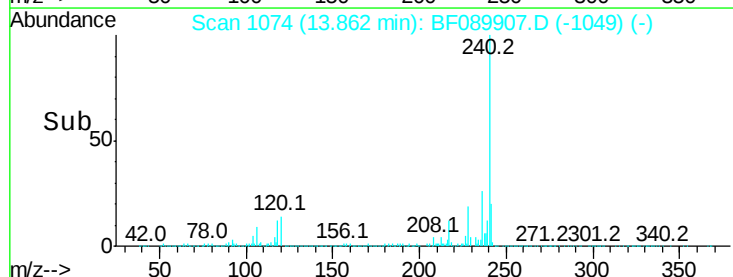
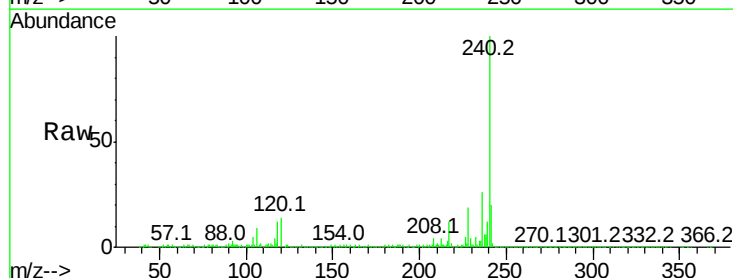
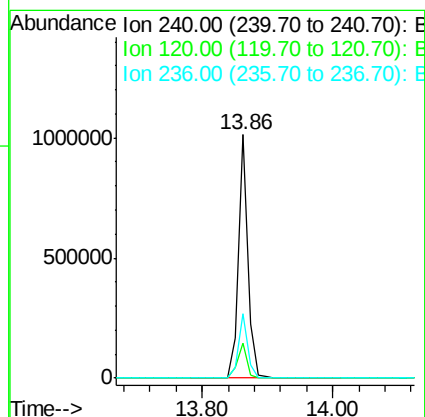
RT: 13.86 min Scan# 1074

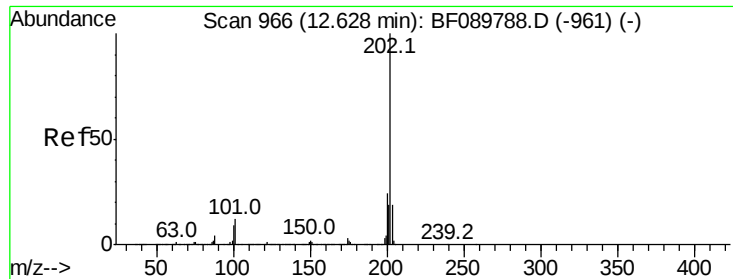
Delta R.T. -0.01 min

Lab File: BF089907.D

Acq: 25 Aug 2016 7:18

Tgt Ion:	240	Resp:	983731
Ion Ratio	Lower	Upper	
240	100		
120	14.4	8.3	12.5#
236	26.2	21.3	31.9





#77

Pvrene

Concen: 18.22 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF089907.D

Acq: 25 Aug 2016 7:18

Instrument :

BNA_F

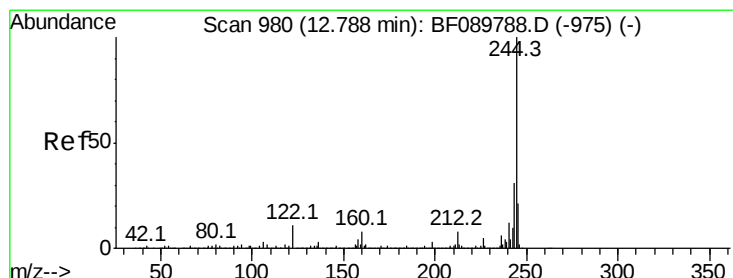
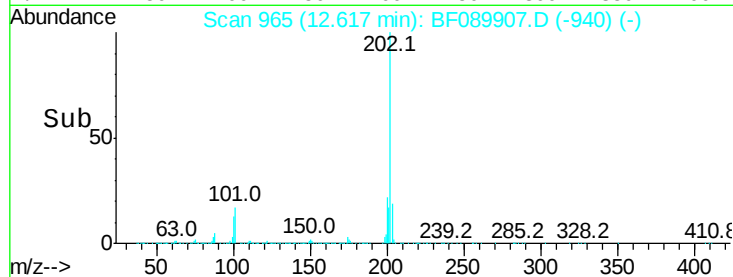
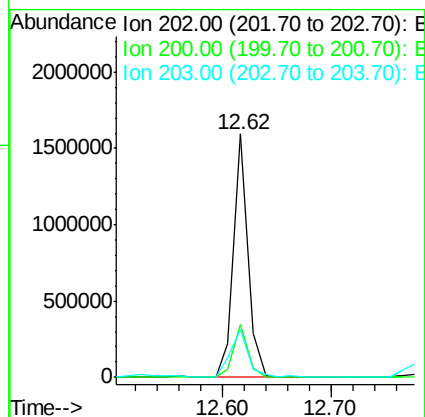
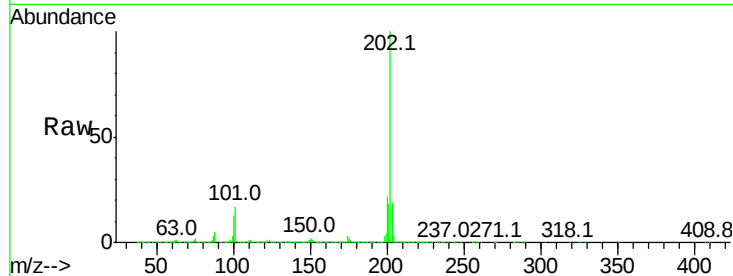
ClientSampleId :

WC2-W-5-02

Tot Ion:202	Resp: 1459537
Ion Ratio	Lower Upper
202 100	
200 22.0	17.8 26.6
203 19.4	14.2 21.4

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#78

Terphenyl-d14

Concen: 14.61 ng

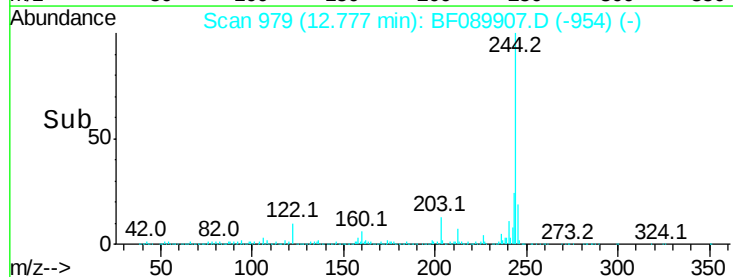
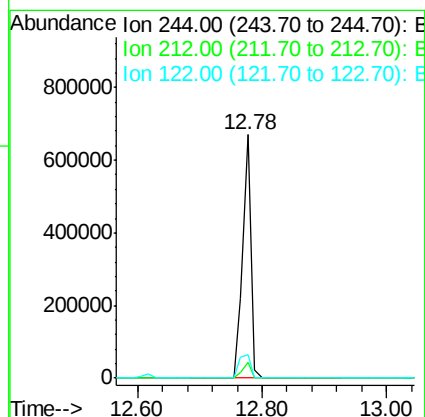
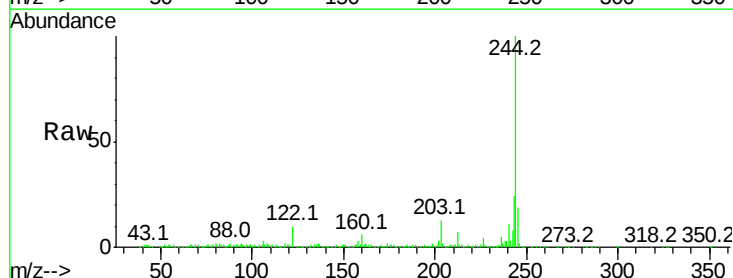
RT: 12.78 min Scan# 979

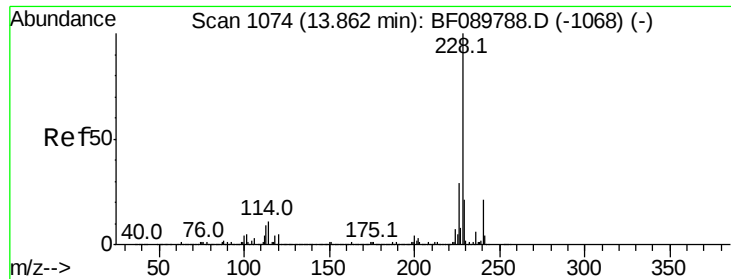
Delta R.T. -0.01 min

Lab File: BF089907.D

Acq: 25 Aug 2016 7:18

Tgt Ion:244	Resp: 635236
Ion Ratio	Lower Upper
244 100	
212 6.7	6.3 9.5
122 9.8	12.0 18.0#





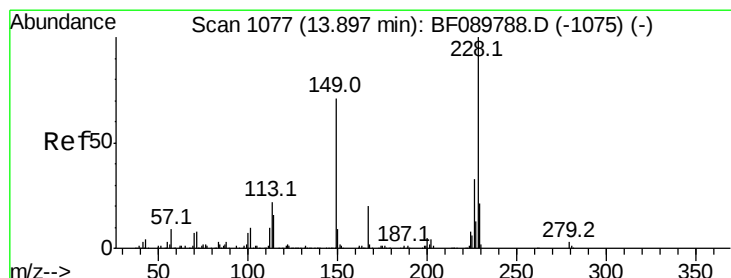
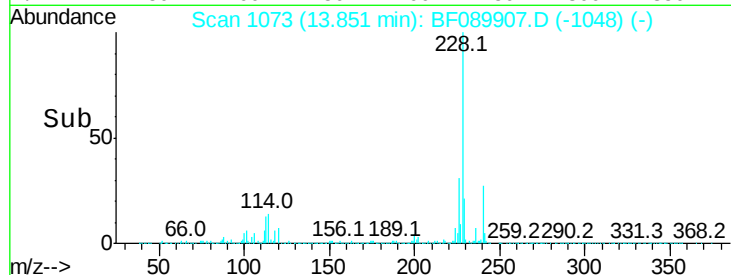
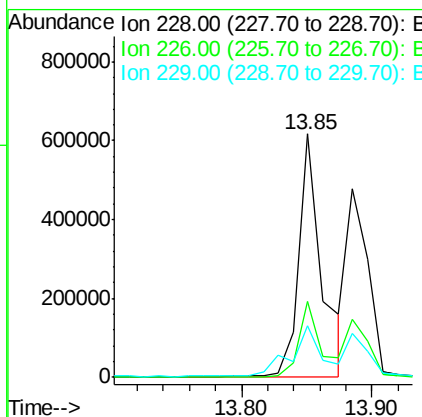
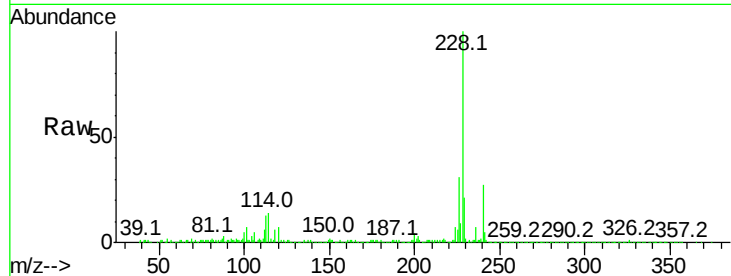
#80
Benzo(a)anthracene
Concen: 13.35 ng
RT: 13.85 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BF089907.D
Acq: 25 Aug 2016 7:18

Instrument :
BNA_F
ClientSampleId :
WC2-W-5-02

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.2	34.8
229	21.1	16.2	24.4

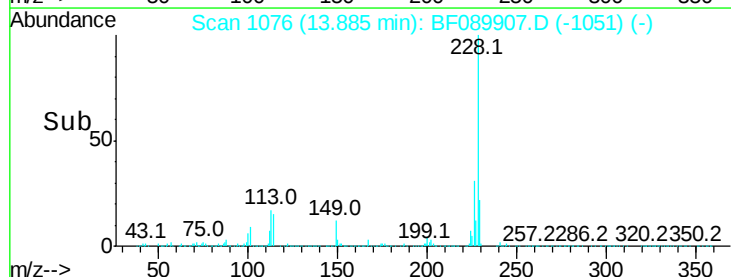
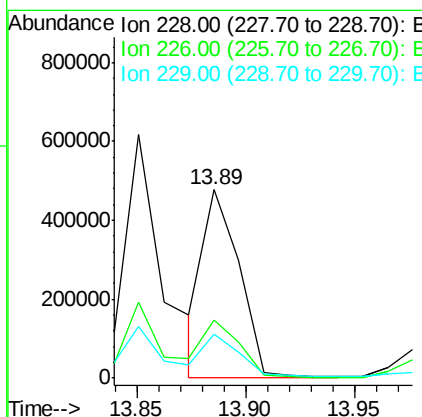
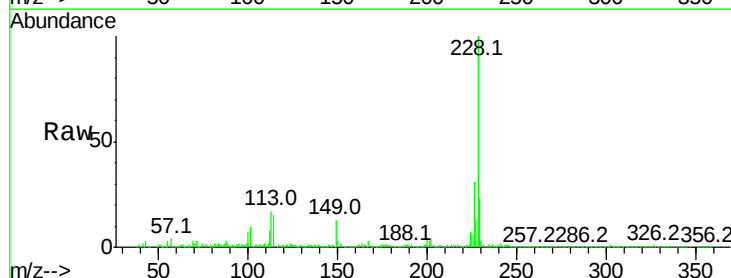
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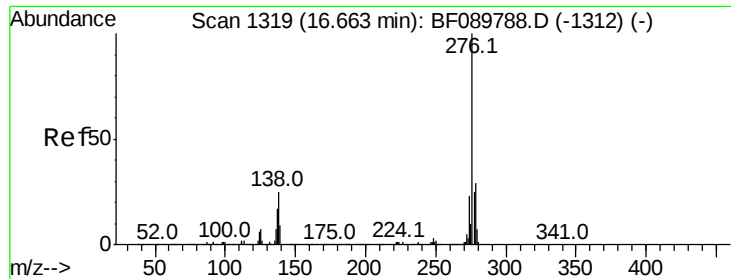
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#82
Chrysene
Concen: 11.25 ng
RT: 13.89 min Scan# 1076
Delta R.T. -0.01 min
Lab File: BF089907.D
Acq: 25 Aug 2016 7:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.0
229	23.1	16.5	24.7





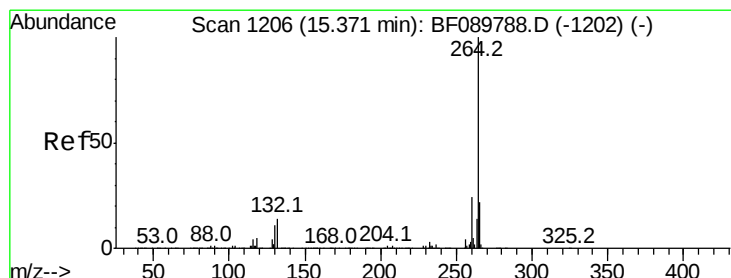
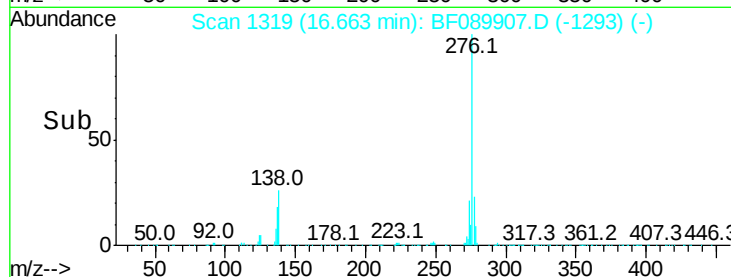
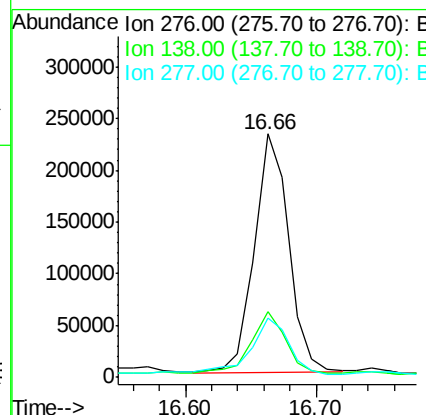
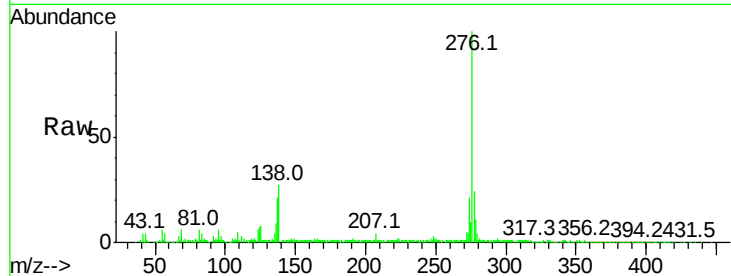
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.89 ng
RT: 16.66 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF089907.D
Acq: 25 Aug 2016 7:18

Instrument :
BNA_F
ClientSampleId :
WC2-W-5-02

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.4	24.6	36.8
277	27.1	20.4	30.6

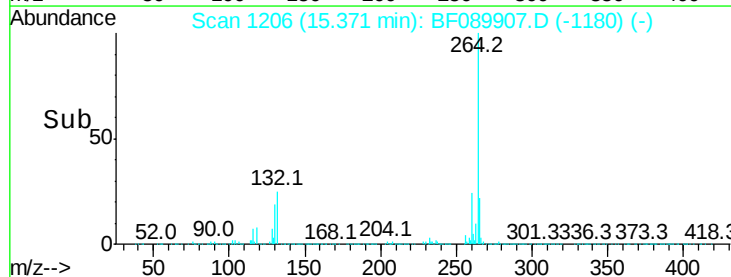
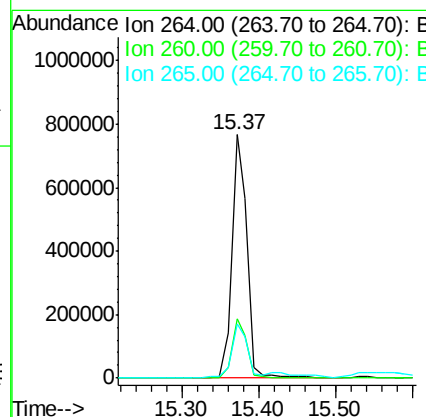
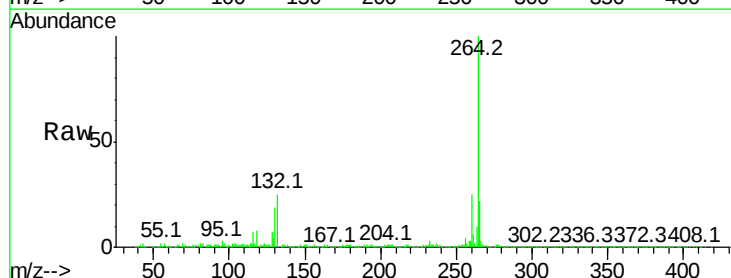
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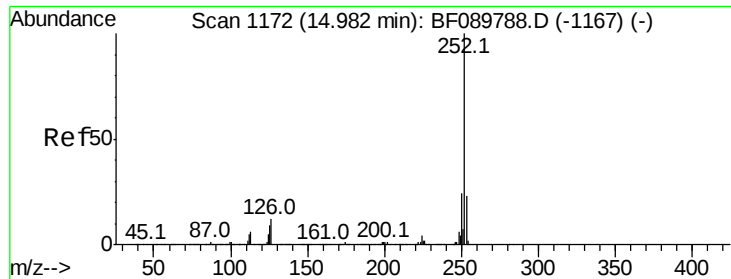
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BF089907.D
Acq: 25 Aug 2016 7:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.2	30.2
265	22.5	17.4	26.2





#87

Benzo(b)fluoranthene

Concen: 15.15 ng m

RT: 14.98 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BF089907.D

Acq: 25 Aug 2016 7:18

Instrument :

BNA_F

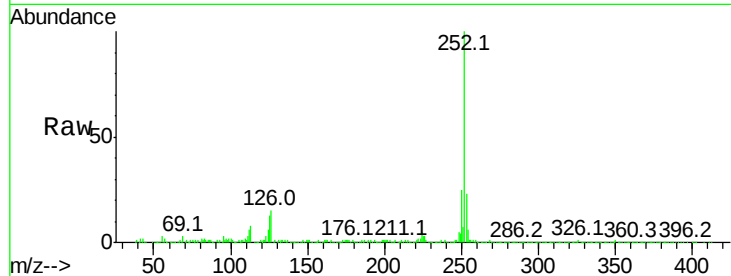
ClientSampleId :

WC2-W-5-02

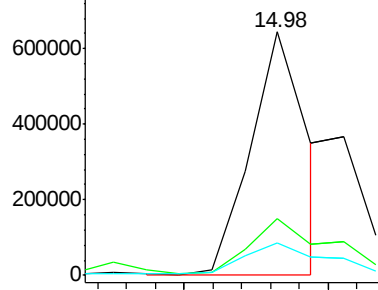
Tot Ion:	252	Resp:	883858
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.8
125	13.1	11.4	17.2

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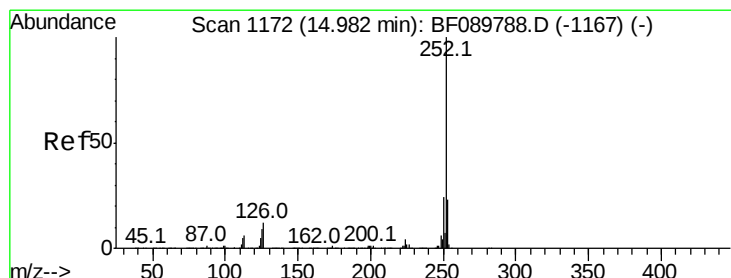
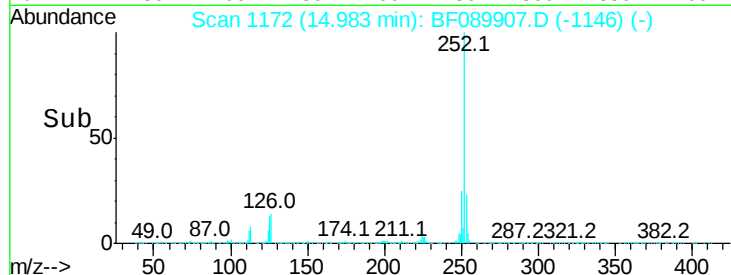
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#88

Benzo(k)fluoranthene

Concen: 6.36 ng m

RT: 15.01 min Scan# 1174

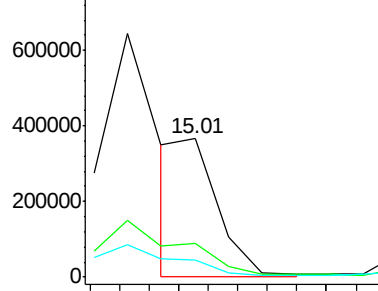
Delta R.T. 0.00 min

Lab File: BF089907.D

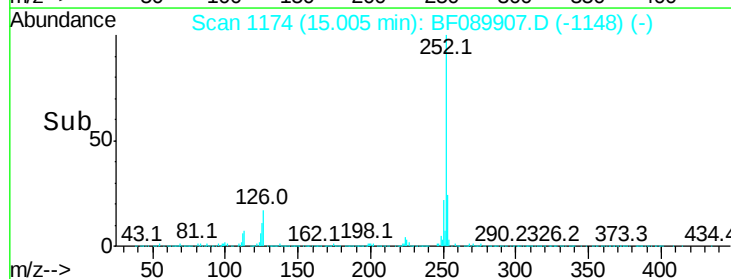
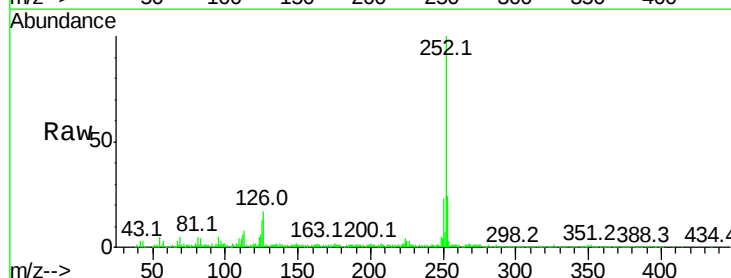
Acq: 25 Aug 2016 7:18

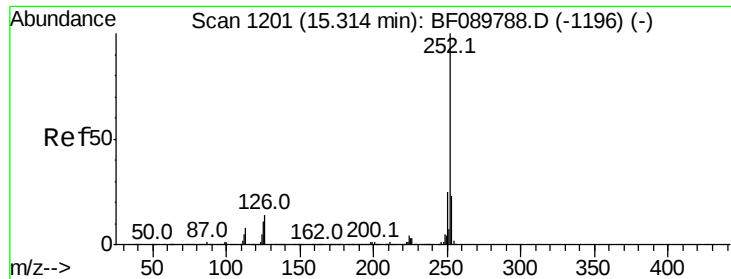
Tgt Ion:	252	Resp:	336751
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.4	27.6
125	12.5	9.8	14.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





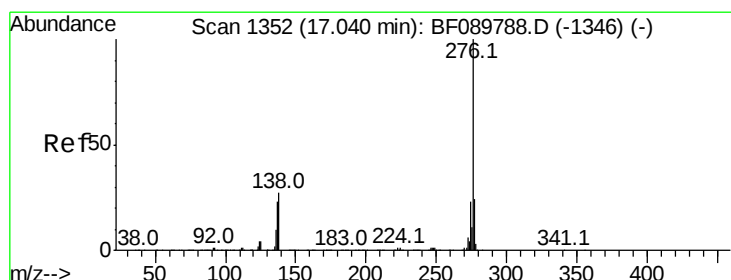
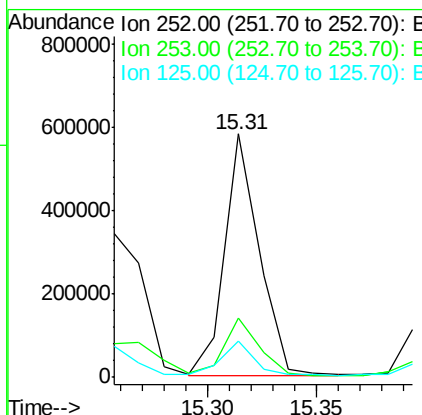
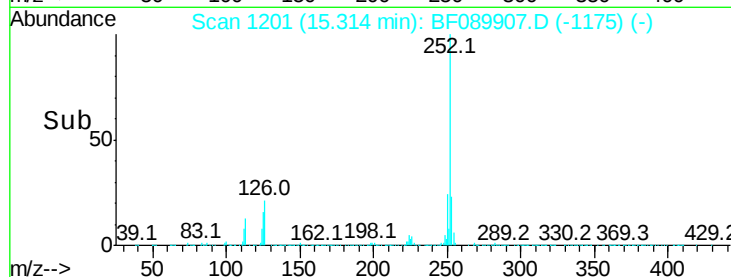
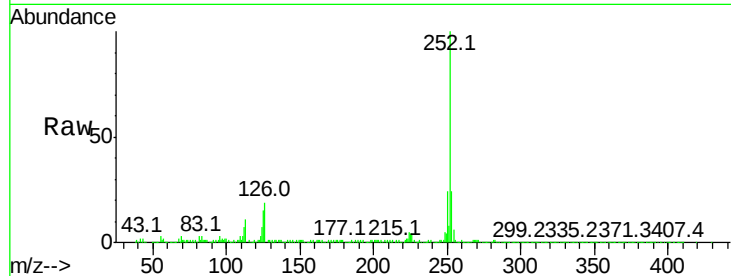
#89
Benzo(a)pyrene
Concen: 11.69 ng
RT: 15.31 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF089907.D
Acq: 25 Aug 2016 7:18

Instrument :
BNA_F
ClientSampleId :
WC2-W-5-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	14.6	11.7	17.5

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#91
Benzo(g,h,i)perylene
Concen: 6.85 ng
RT: 17.05 min Scan# 1353
Delta R.T. 0.01 min
Lab File: BF089907.D
Acq: 25 Aug 2016 7:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	25.2	22.1	33.1

