

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
 Data File : BF086121.D
 Acq On : 7 Apr 2016 2:16
 Operator : UM/SJ
 Sample : H2166-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-OFL4-AND-L5

Manual Integrations
 APPROVED

Sohil
 4/7/2016 8:59:25 AM

Quant Time: Apr 07 04:09:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	87928	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	265422	20.00	ng	-0.03
38) Acenaphthene-d10	9.79	164	109513	20.00	ng	-0.02
63) Phenanthrene-d10	11.28	188	205498	20.00	ng	-0.02
75) Chrysene-d12	13.91	240	224103	20.00	ng	-0.02
86) Perylene-d12	15.30	264	156959	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	831752	161.69	ng	-0.02
7) Phenol-d6	6.40	99	952555	145.79	ng	-0.02
23) Nitrobenzene-d5	7.31	82	576936	128.19	ng	-0.03
41) 2,4,6-Tribromophenol	10.58	330	160656	156.30	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	788362	119.69	ng	-0.02
78) Terphenyl-d14	12.85	244	783095	82.14	ng	-0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.75	142	187706	21.52	ng	99
57) Fluorene	10.34	166	51997	7.07	ng	# 86
70) Phenanthrene	11.30	178	169823	15.15	ng	96
74) Fluoranthene	12.48	202	62957	5.40	ng	97
77) Pyrene	12.70	202	72355	4.58	ng	97
80) Benzo(a)anthracene	13.89	228	39590	3.00	ng	95
87) Benzo(b)fluoranthene	14.91	252	31325m	3.17	ng	
89) Benzo(a)pyrene	15.25	252	22029	2.52	ng	# 86

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

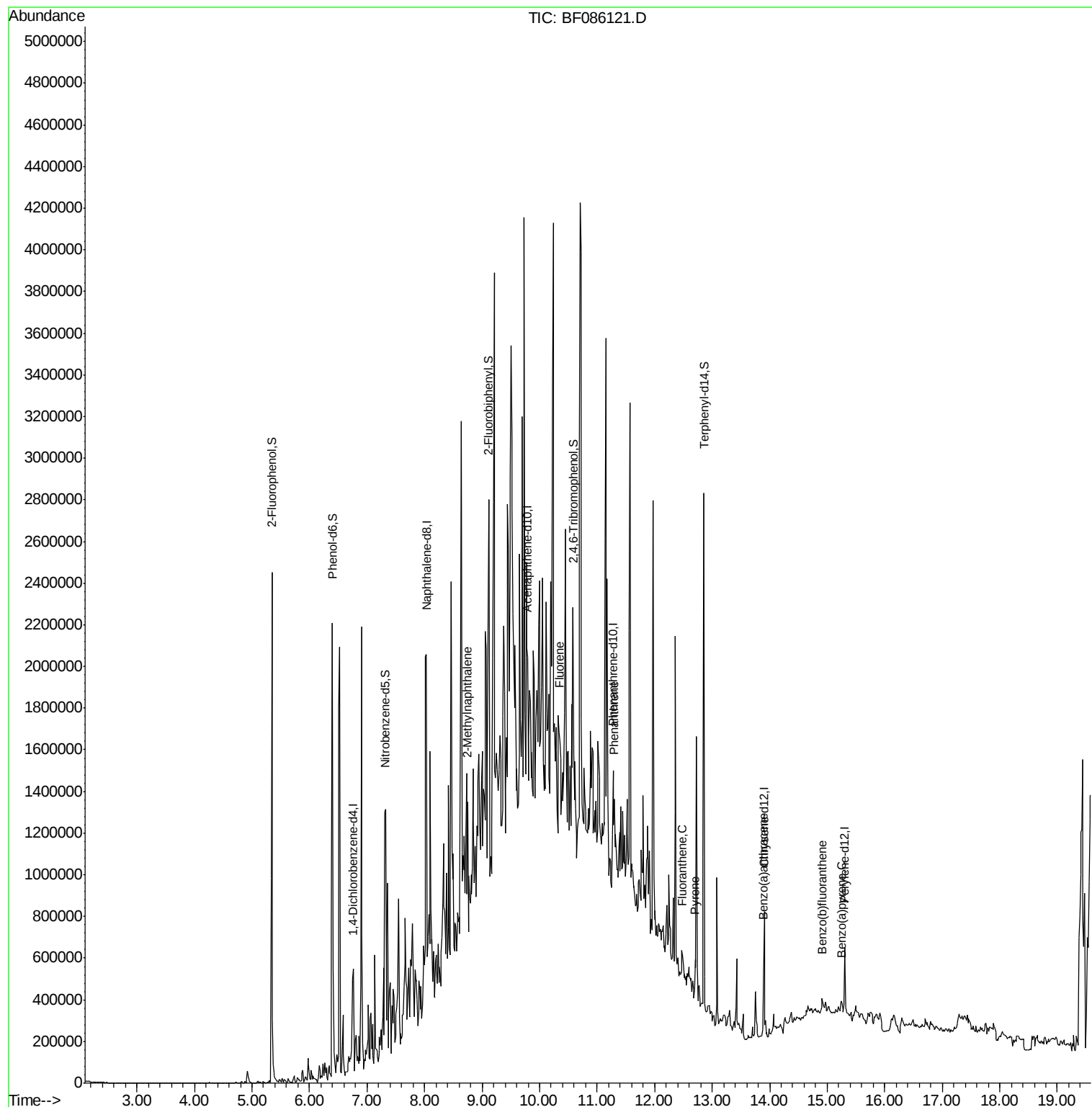
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
Data File : BF086121.D
Acq On : 7 Apr 2016 2:16
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#1

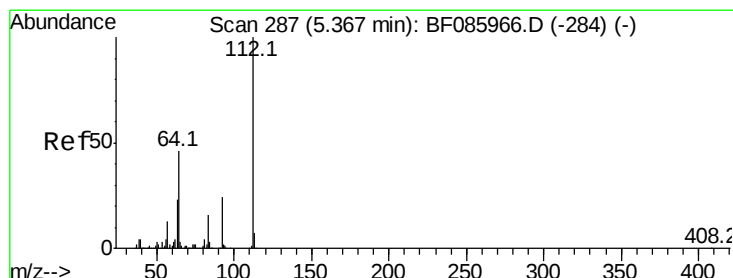
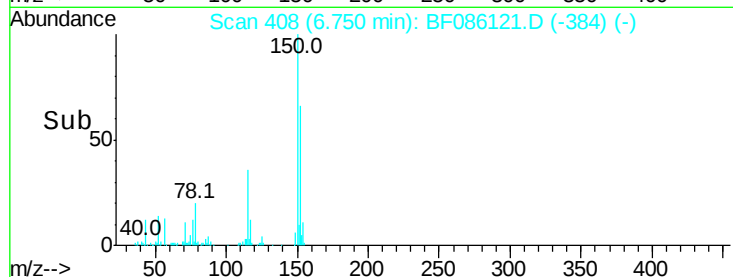
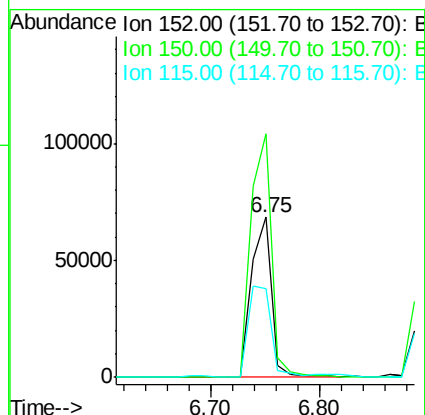
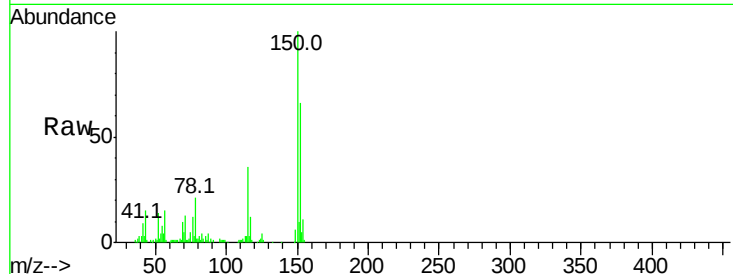
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.02 min
Lab File: BF086121.D
Acq: 7 Apr 2016 2:16

Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	124.2	186.2
115	55.1	47.0	70.6

Manual Integrations
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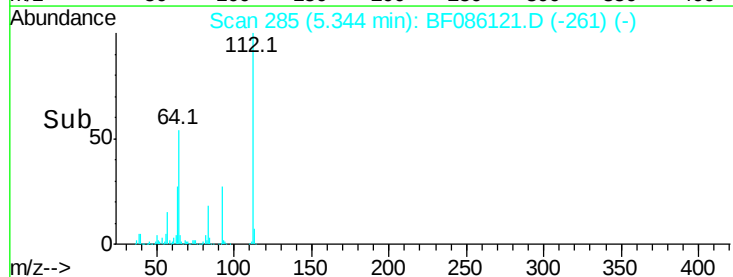
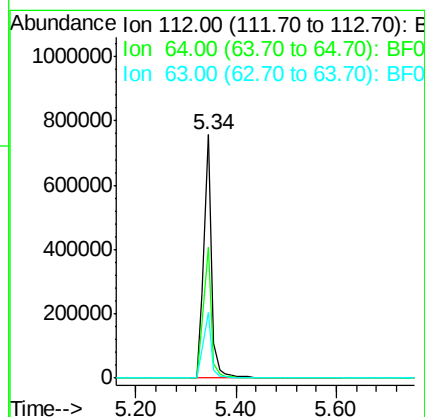
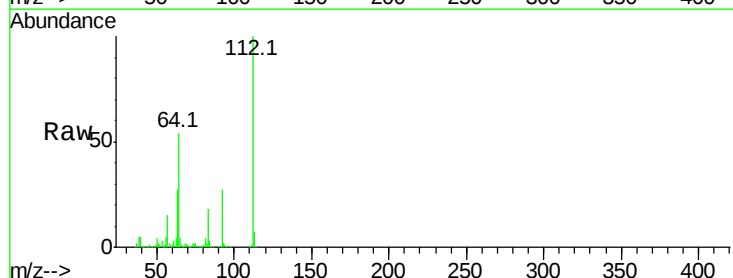
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#5

2-Fluorophenol
Concen: 161.69 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF086121.D
Acq: 7 Apr 2016 2:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	39.9	59.9
63	26.9	20.2	30.2





#7

Phenol-d6

Concen: 145.79 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086121.D

Acq: 7 Apr 2016 2:16

Instrument :

BNA_F

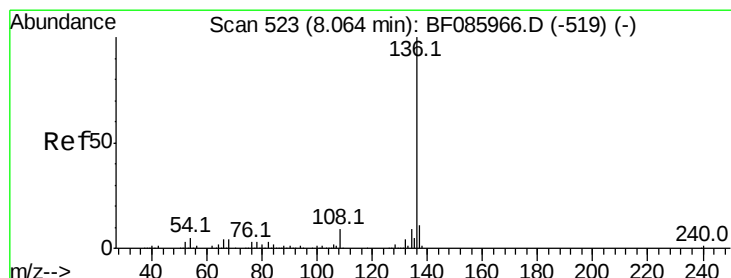
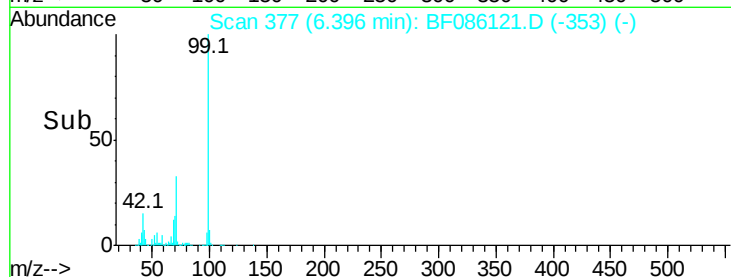
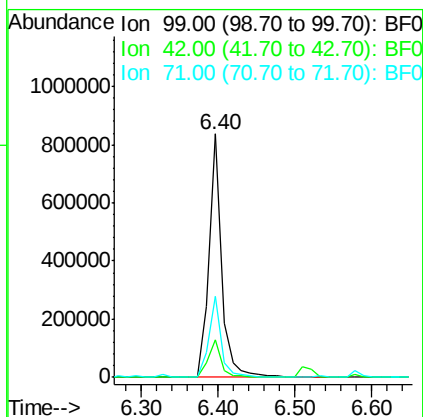
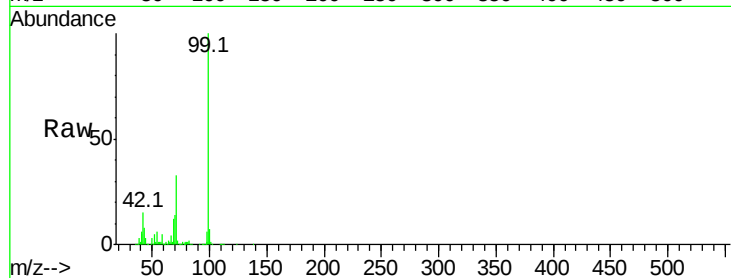
ClientSampleId :

COMP-OFL4-AND-L5

Tot Ion:	99	Resp:	952555
Ion Ratio	Lower	Upper	
99	100		
42	15.2	11.1	16.7
71	33.2	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

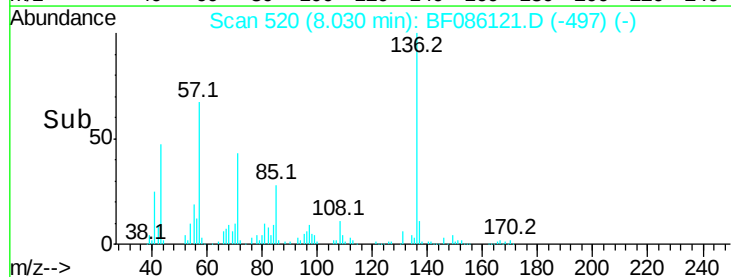
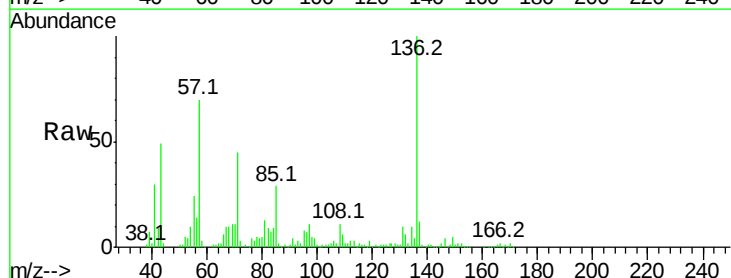
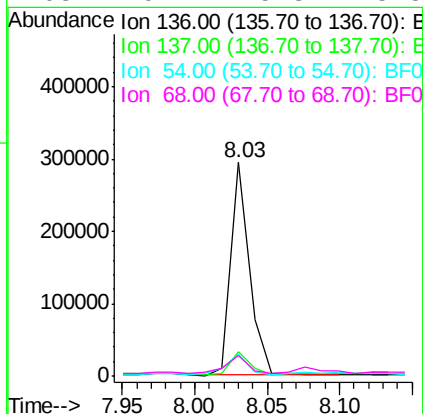
RT: 8.03 min Scan# 520

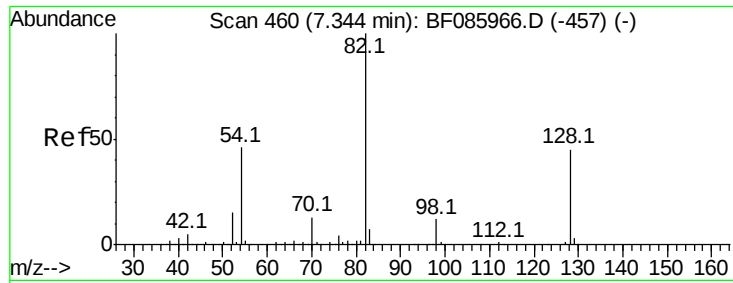
Delta R.T. -0.03 min

Lab File: BF086121.D

Acq: 7 Apr 2016 2:16

Tgt Ion:	136	Resp:	265422
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.1	13.7
54	10.4	7.4	11.0
68	9.7	5.8	8.8#





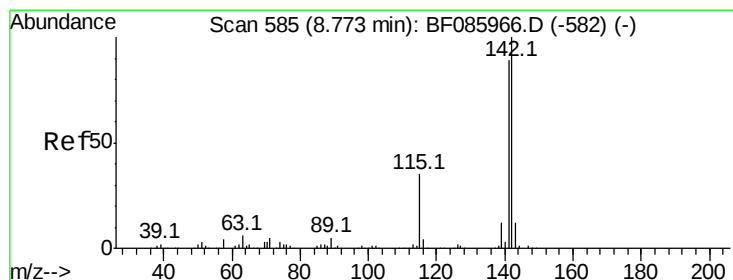
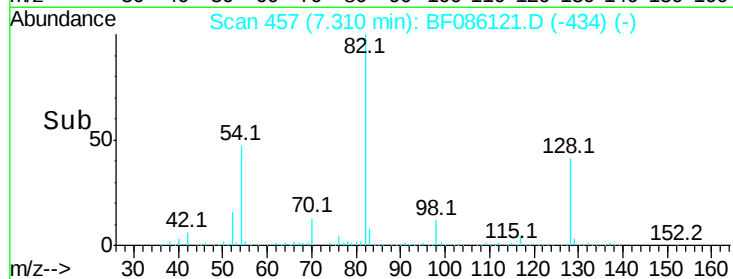
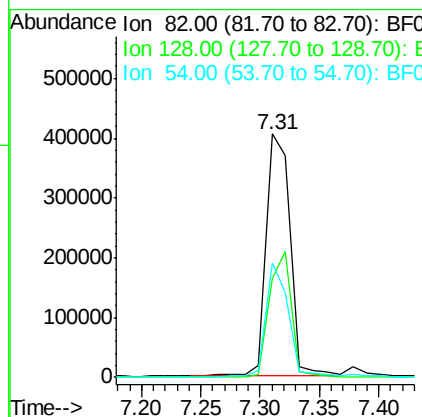
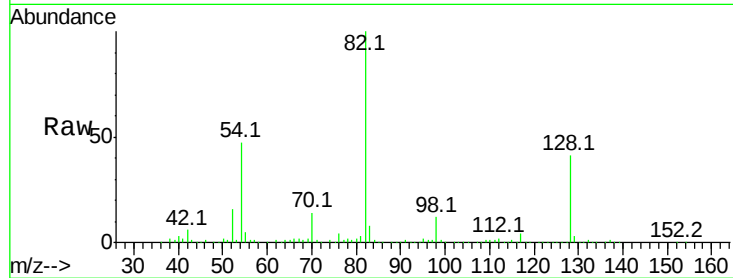
#23
 Nitrobenzene-d5
 Concen: 128.19 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF086121.D
 Acq: 7 Apr 2016 2:16

Instrument :
 BNA_F
 ClientSampleId :
 COMP-OFL4-AND-L5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.6		41.8	62.8#
54	47.1		33.4	50.0

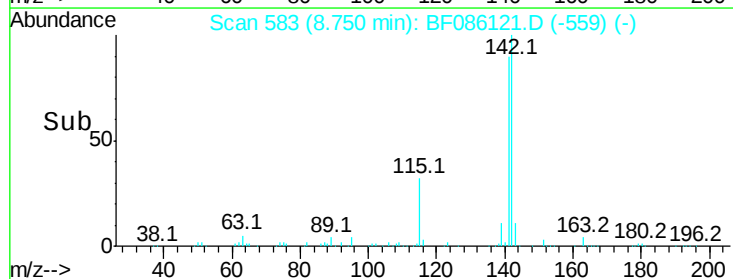
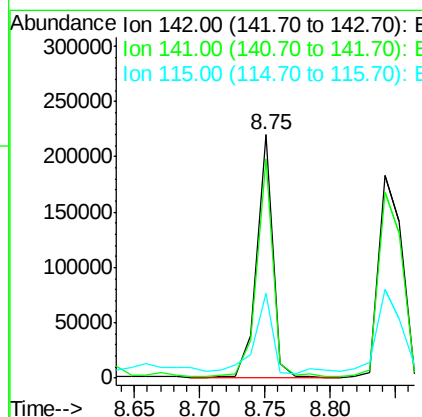
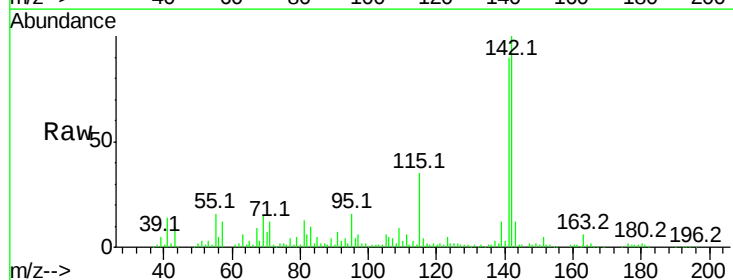
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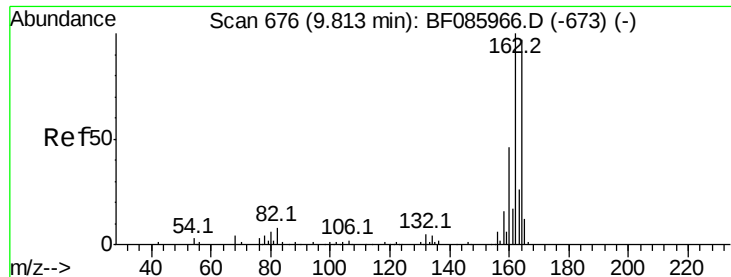
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#37
 2-Methylnaphthalene
 Concen: 21.52 ng
 RT: 8.75 min Scan# 583
 Delta R.T. -0.02 min
 Lab File: BF086121.D
 Acq: 7 Apr 2016 2:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	90.3		71.6	107.4
115	34.6		26.8	40.2





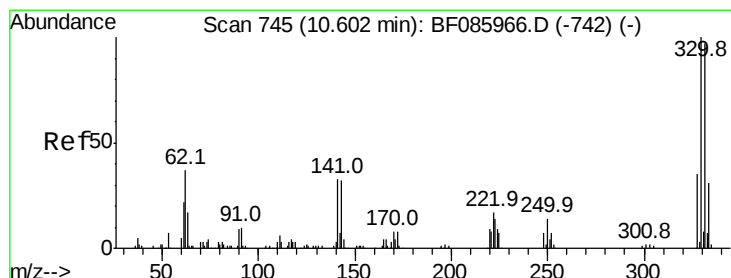
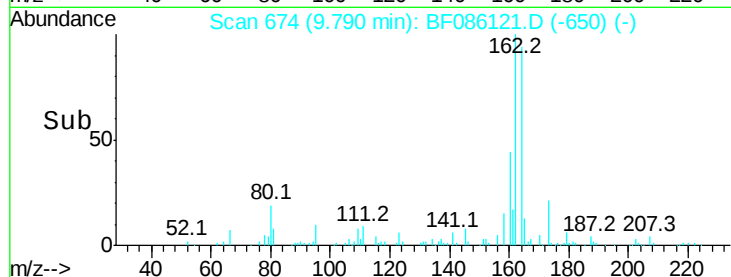
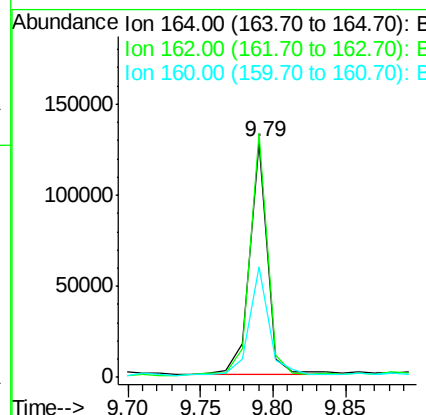
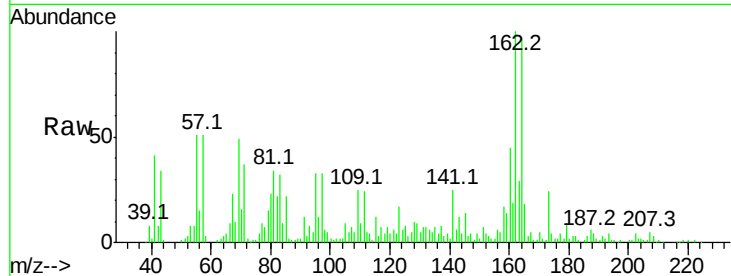
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.02 min
Lab File: BF086121.D
Acq: 7 Apr 2016 2:16

Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.5	82.1	123.1	
160	46.8	37.4	56.2	

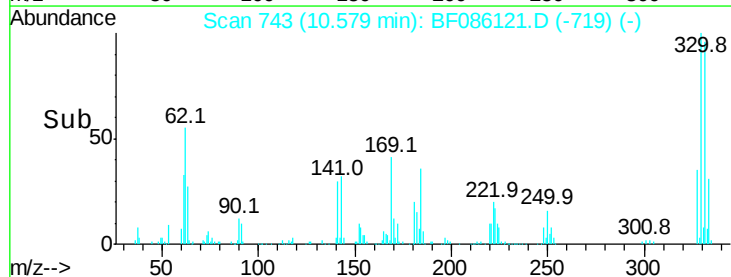
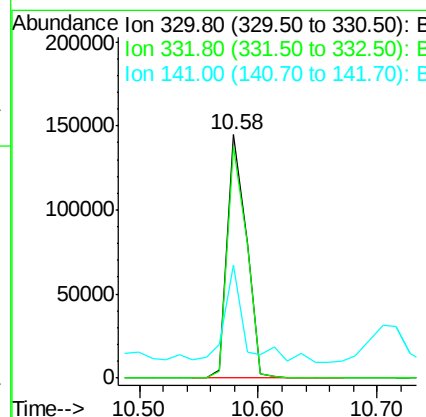
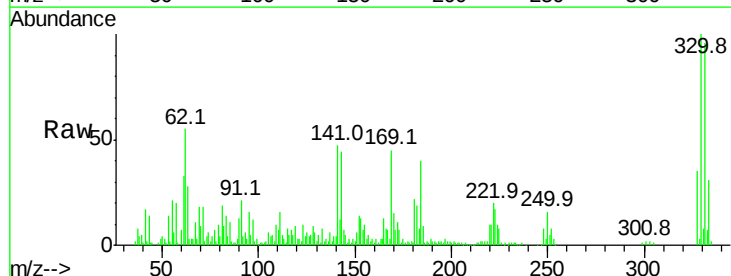
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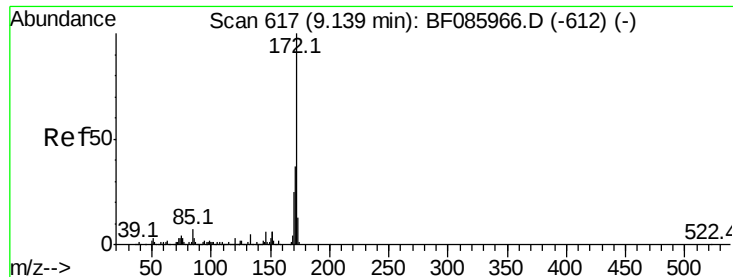
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#41
2,4,6-Tribromophenol
Concen: 156.30 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.02 min
Lab File: BF086121.D
Acq: 7 Apr 2016 2:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	78.2	117.2	
141	32.4	31.5	47.3	





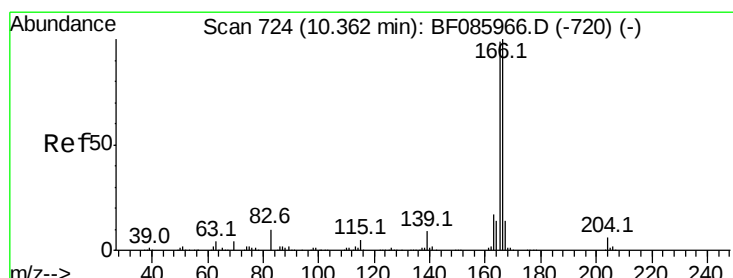
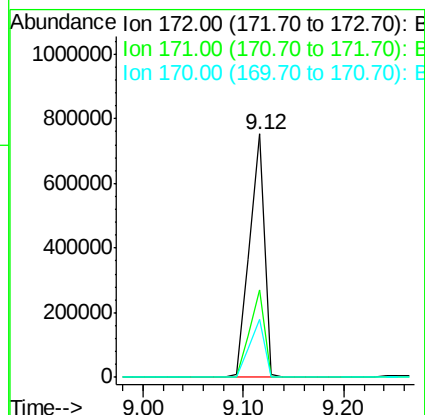
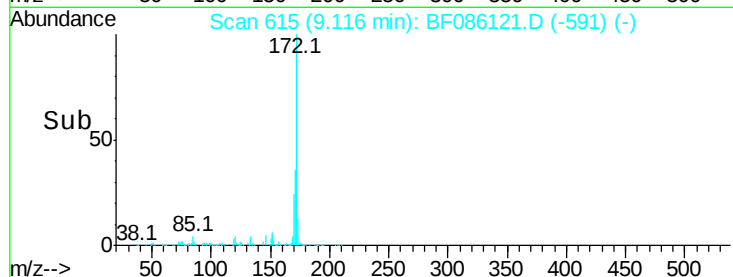
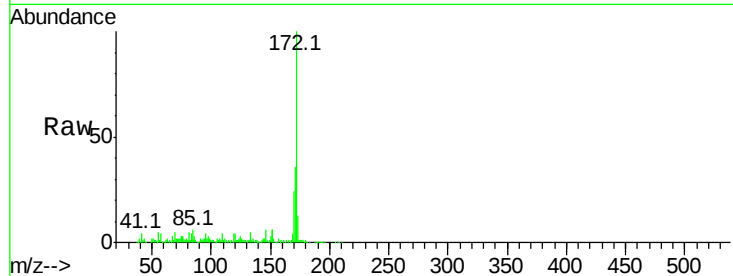
#44
2-Fluorobiphenyl
Concen: 119.69 ng
RT: 9.12 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF086121.D
Acq: 7 Apr 2016 2:16

Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5

Manual Integrations
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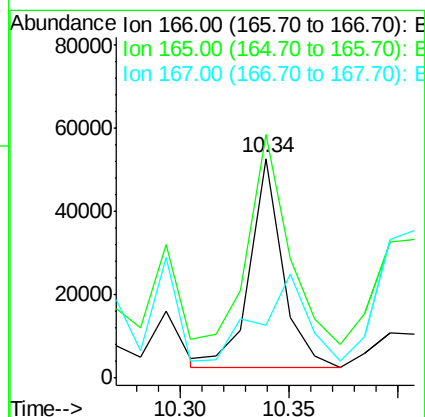
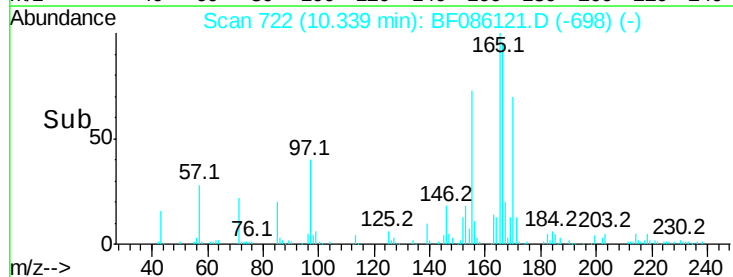
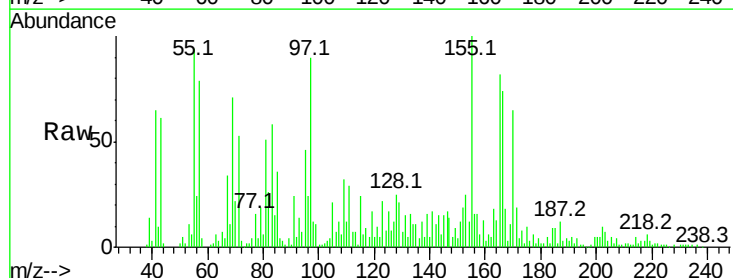
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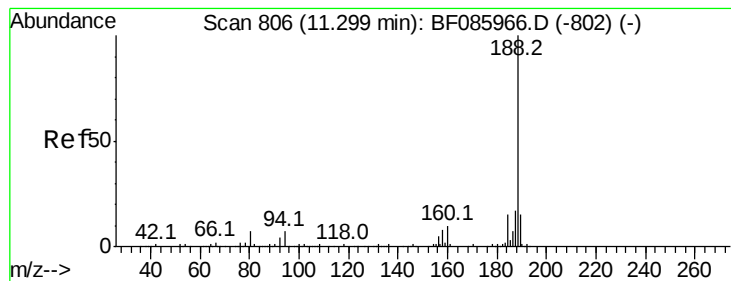
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.4	44.2
170	24.0	19.8	29.6



#57
Fluorene
Concen: 7.07 ng
RT: 10.34 min Scan# 722
Delta R.T. -0.02 min
Lab File: BF086121.D
Acq: 7 Apr 2016 2:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	111.0	79.4	119.0
167	24.0	11.0	16.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF086121.D

Acq: 7 Apr 2016 2:16

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5

Tot Ion:188 Resp: 205498

Ion Ratio Lower Upper

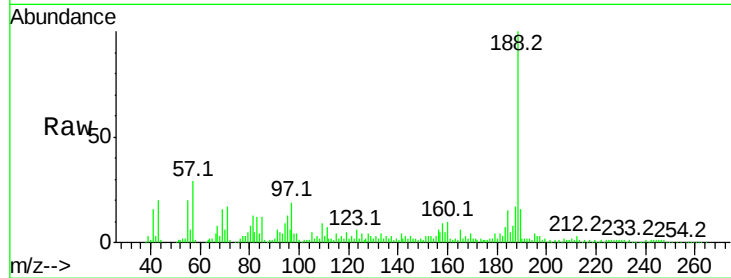
188 100

94 9.0 5.4 8.0#

80 8.4 5.5 8.3#

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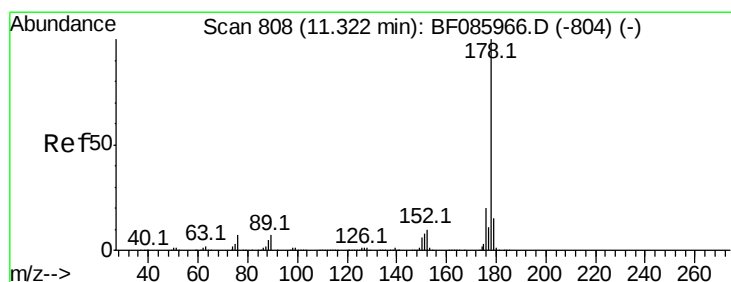
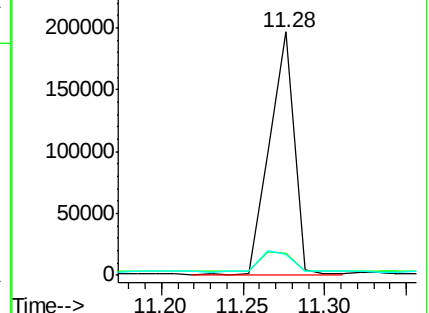
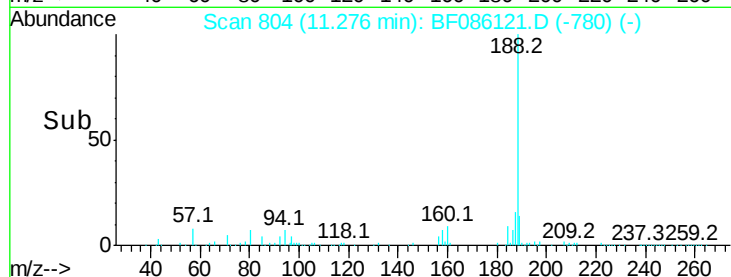
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 15.15 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF086121.D

Acq: 7 Apr 2016 2:16

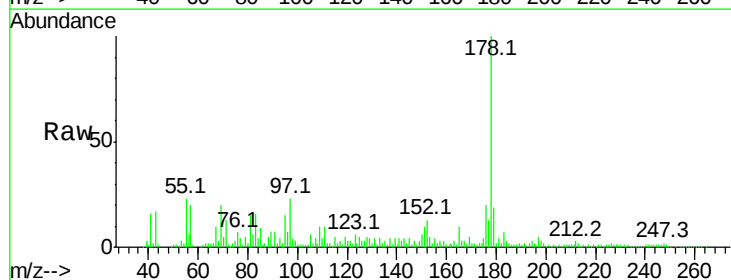
Tgt Ion:178 Resp: 169823

Ion Ratio Lower Upper

178 100

176 19.8 16.3 24.5

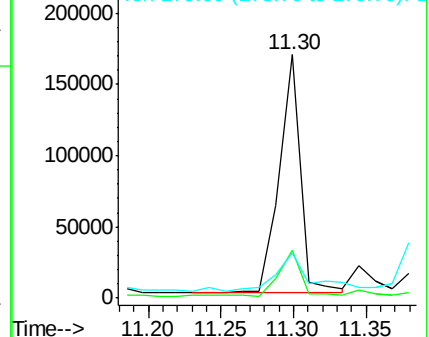
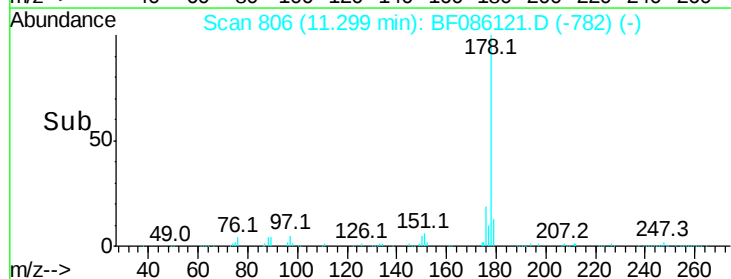
179 18.5 12.6 18.8

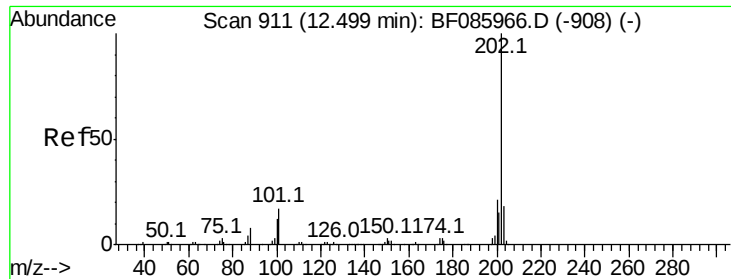


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.40 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF086121.D

Acq: 7 Apr 2016 2:16

Instrument :

BNA_F

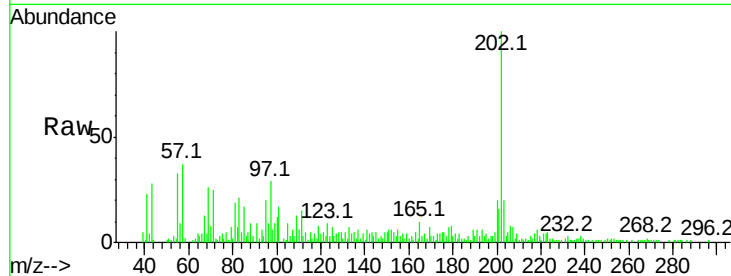
ClientSampleId :

COMP-OFL4-AND-L5

Tot Ion:	202	Resp:	62957
Ion Ratio	Lower	Upper	
202	100		
101	17.1	0.0	36.6
203	19.8	0.0	38.1

Manual Integrations
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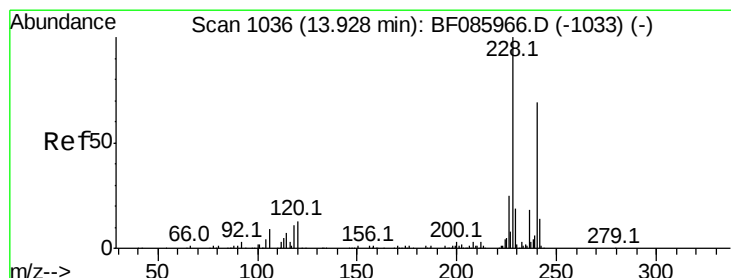
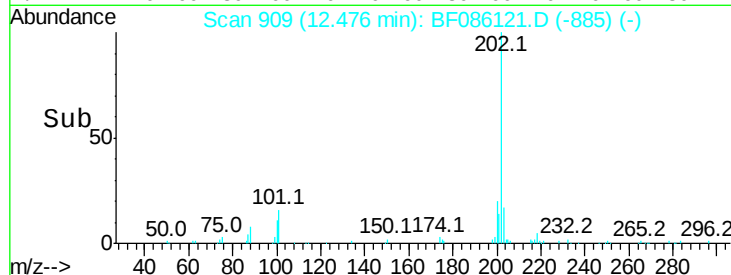
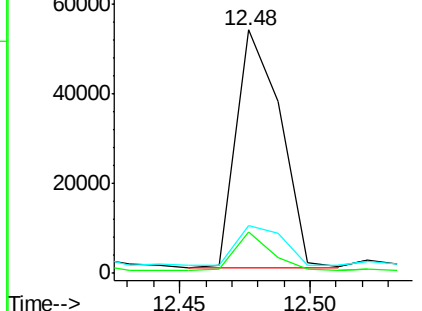
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF086121.D

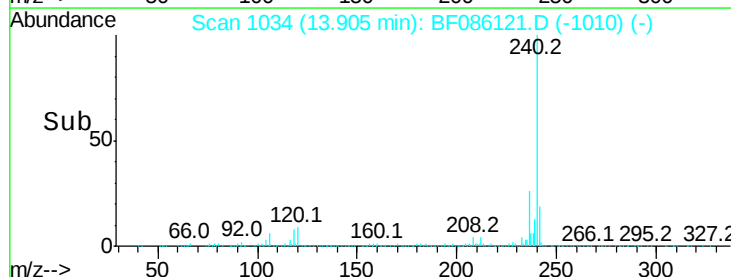
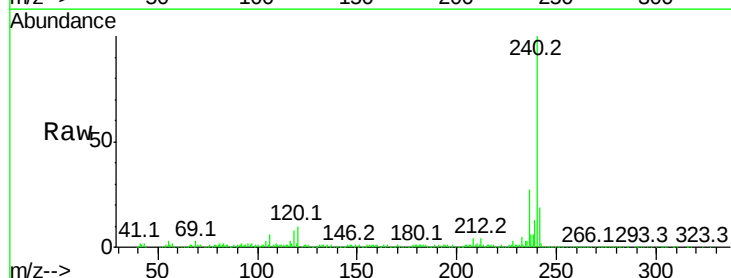
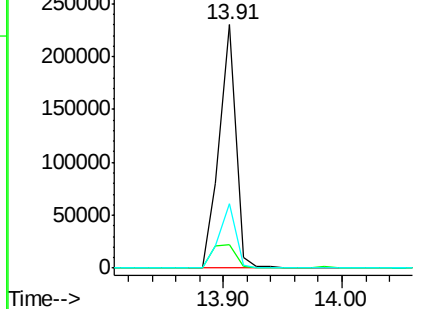
Acq: 7 Apr 2016 2:16

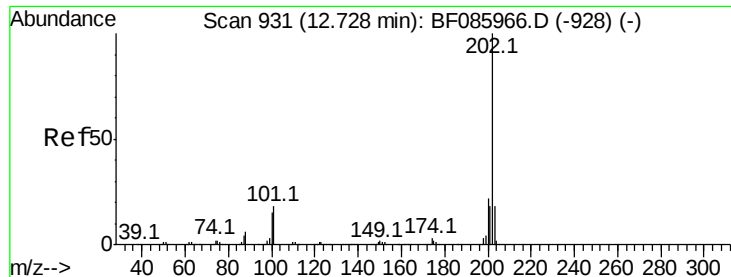
Tgt Ion:	240	Resp:	224103
Ion Ratio	Lower	Upper	
240	100		
120	9.5	13.8	20.8#
236	26.6	20.6	30.8

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





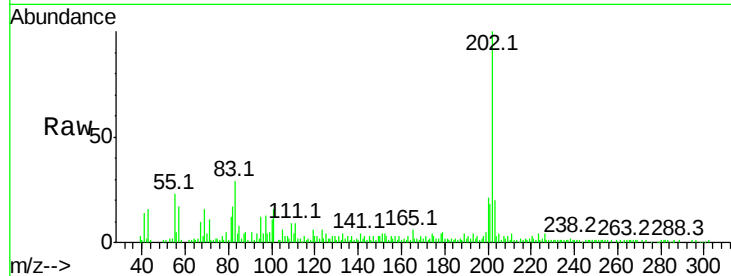
#77
Pvrene
Concen: 4.58 ng
RT: 12.70 min Scan# 929
Delta R.T. -0.02 min
Lab File: BF086121.D
Acq: 7 Apr 2016 2:16

Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5

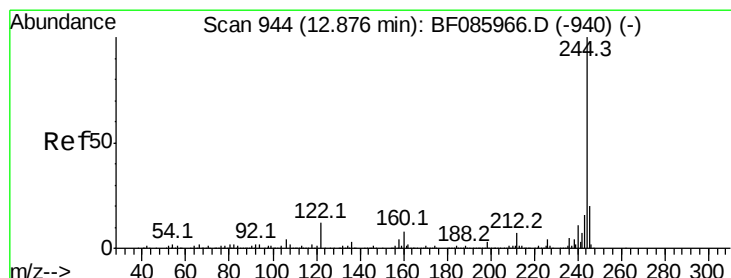
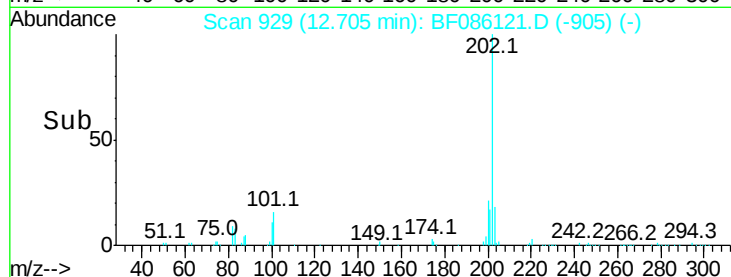
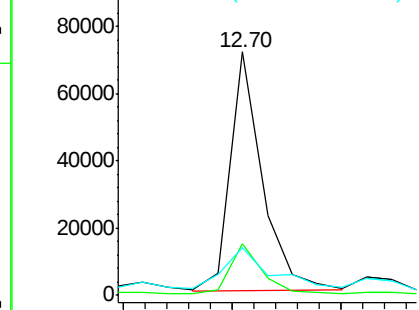
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.6	26.4
203	19.9	14.0	21.0

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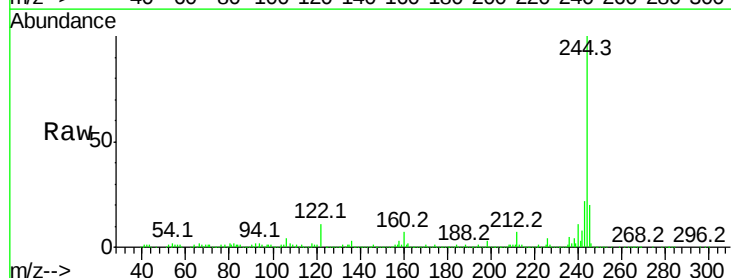


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

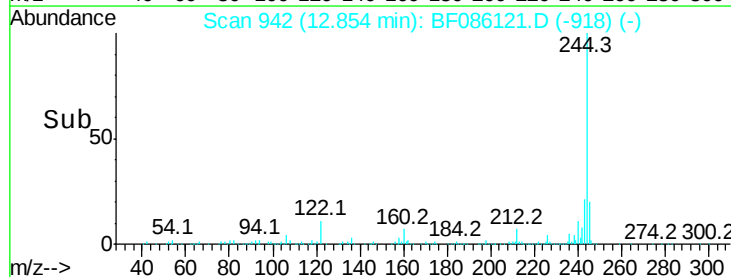
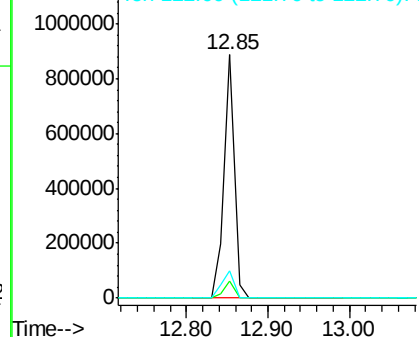


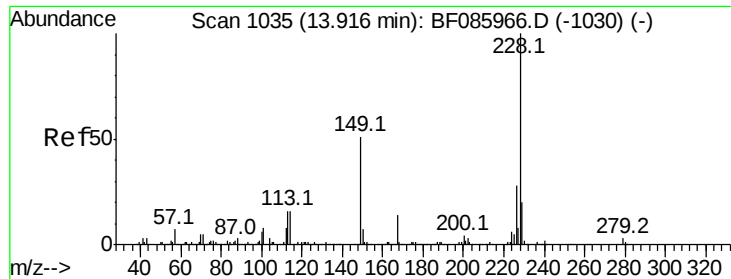
#78
Terphenyl-d14
Concen: 82.14 ng
RT: 12.85 min Scan# 942
Delta R.T. -0.02 min
Lab File: BF086121.D
Acq: 7 Apr 2016 2:16

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	6.1	9.1
122	11.3	10.2	15.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





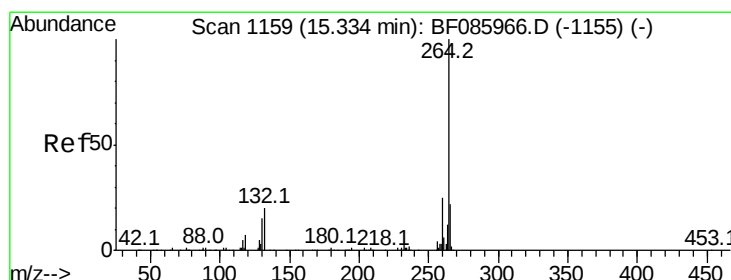
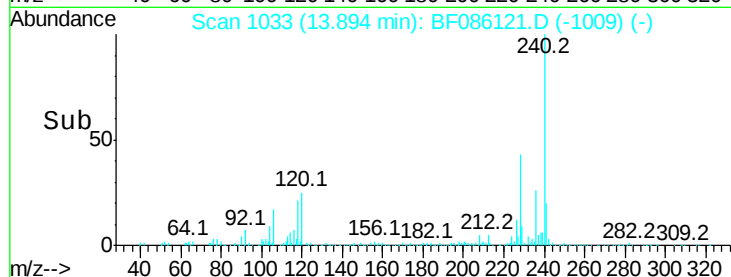
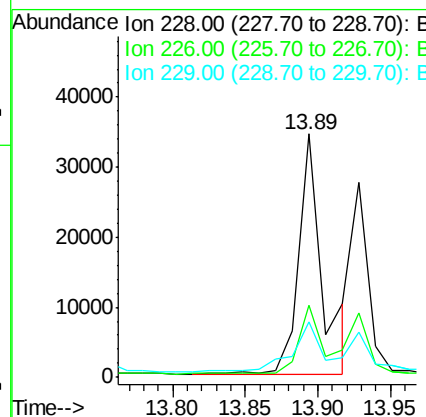
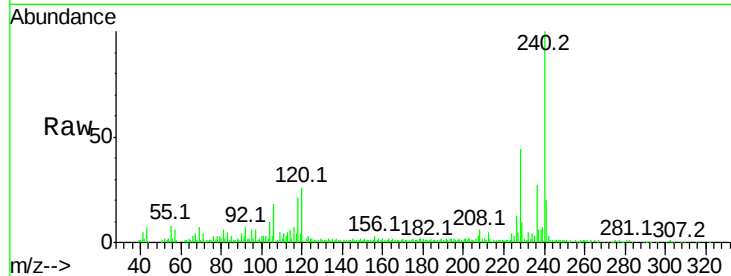
#80
Benzo(a)anthracene
Concen: 3.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF086121.D
Acq: 7 Apr 2016 2:16

Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.1	33.1
229	22.7	16.2	24.4

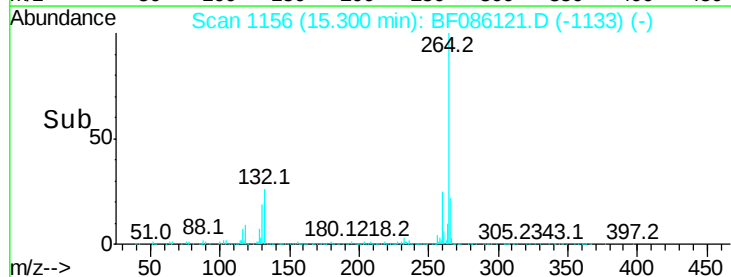
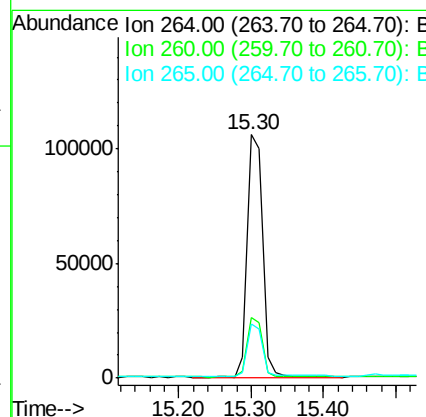
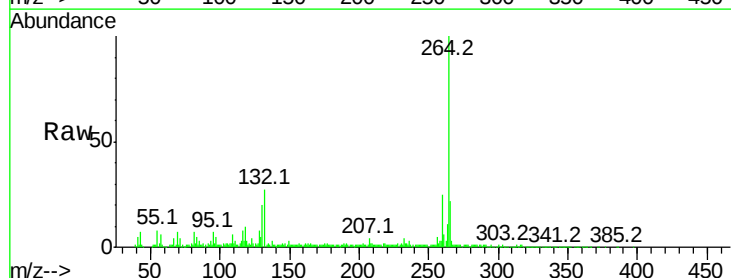
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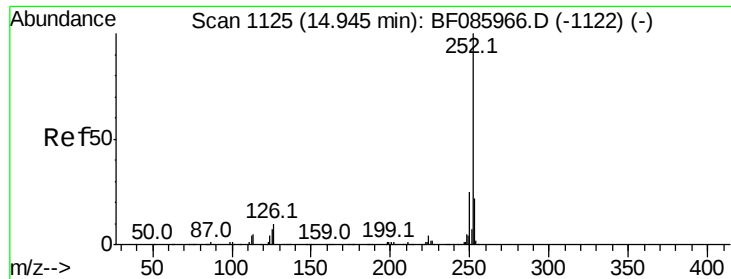
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF086121.D
Acq: 7 Apr 2016 2:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.4	29.2
265	22.4	17.2	25.8





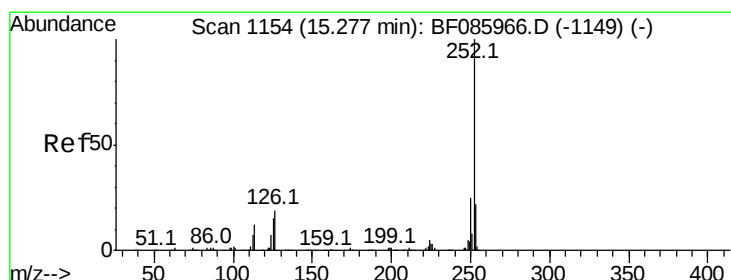
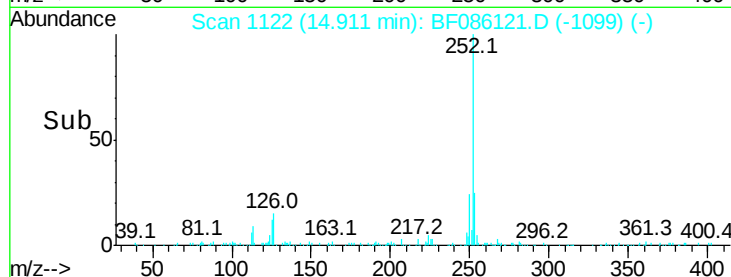
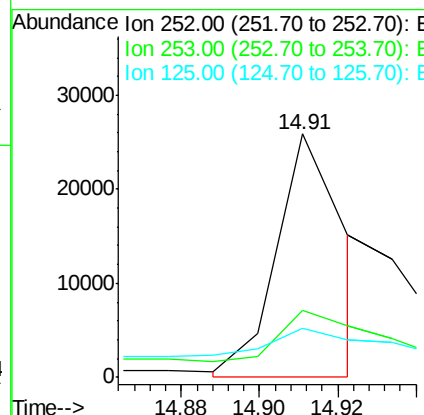
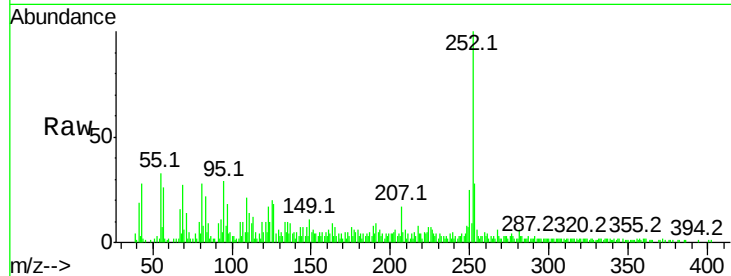
#87
Benzo(b)fluoranthene
Concen: 3.17 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BF086121.D
Acq: 7 Apr 2016 2:16

Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.6	26.4#
125	20.4	10.3	15.5#

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 2.52 ng
RT: 15.25 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF086121.D
Acq: 7 Apr 2016 2:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.4	26.0#
125	21.4	10.3	15.5#

