

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
 Data File : BF083616.D
 Acq On : 9 Dec 2015 1:50
 Operator : UM/IZ
 Sample : G4637-05 25X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PCPY4

Manual Integrations
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 12/9/2015 6:13:36 PM

Quant Time: Dec 09 03:28:09 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.70	152	142949	20.00	ng	0.00
21) Naphthalene-d8	7.60	136	543070	20.00	ng	-0.01
38) Acenaphthene-d10	10.38	164	258010	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	411567	20.00	ng	-0.01
75) Chrysene-d12	16.99	240	271391	20.00	ng	0.00
86) Perylene-d12	18.63	264	268434	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.04	112	32813m	3.48	ng	0.07
7) Phenol-d6	5.36	99	50249m	3.99	ng	0.08
23) Nitrobenzene-d5	6.57	82	26841	2.31	ng	0.03
41) 2,4,6-Tribromophenol	11.70	330	6623	2.88	ng	0.01
44) 2-Fluorobiphenyl	9.34	172	42531	2.32	ng	0.00
78) Terphenyl-d14	15.40	244	26120	2.26	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	12.82	178	158044	6.68	ng	99
74) Fluoranthene	14.74	202	180842	7.48	ng	98
77) Pyrene	15.11	202	141075	7.22	ng	97
80) Benzo(a)anthracene	16.98	228	67631	4.26	ng	96
82) Chrysene	17.03	228	58907	3.70	ng	99
85) Indeno(1,2,3-cd)pyrene	19.89	276	31350	2.92	ng	# 100
87) Benzo(b)fluoranthene	18.26	252	74187m	4.85	ng	
89) Benzo(a)pyrene	18.58	252	54107	3.63	ng	93
91) Benzo(g,h,i)perylene	20.26	276	28345	2.55	ng	93

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

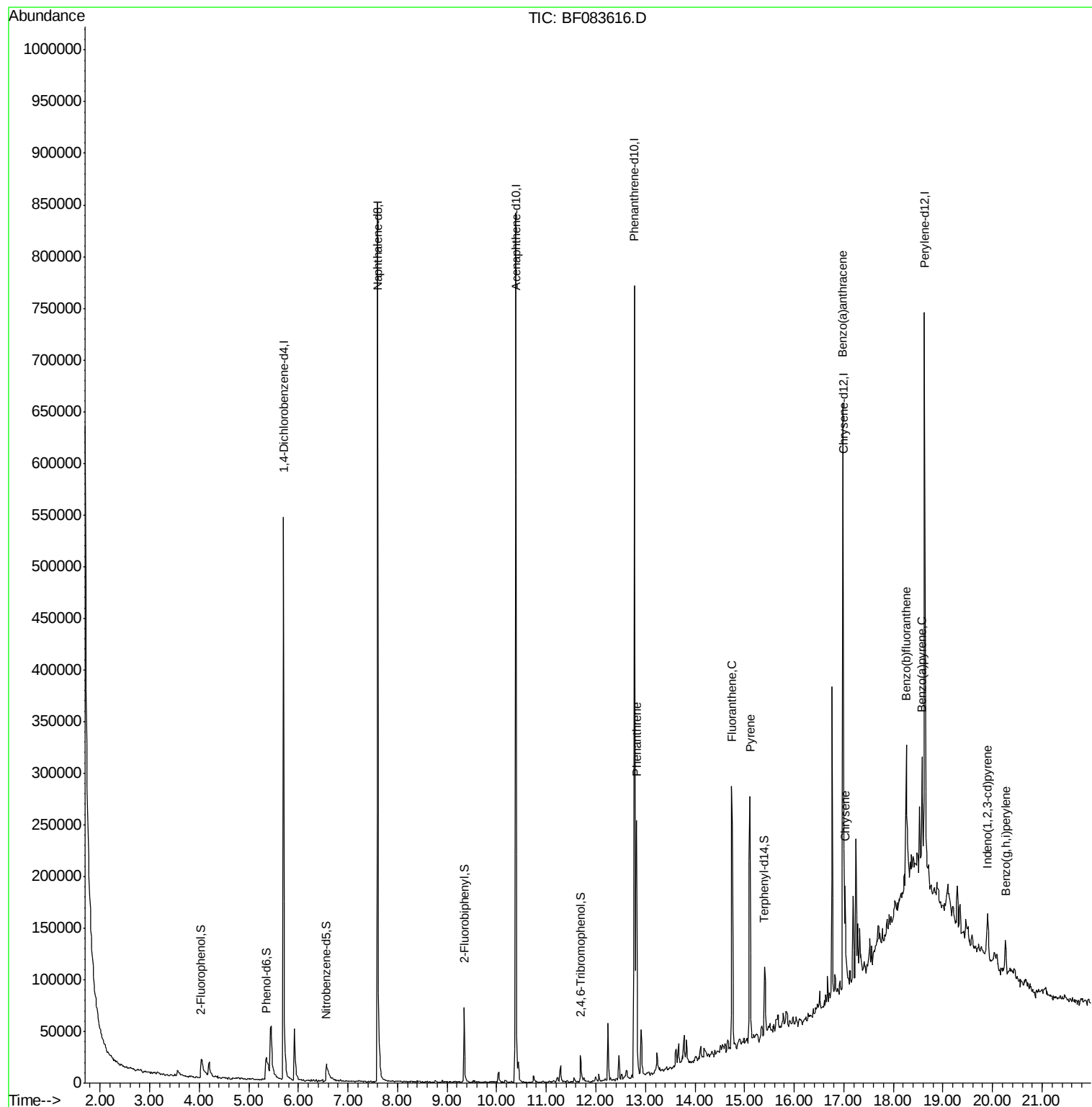
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083616.D
Acq On : 9 Dec 2015 1:50
Operator : UM/IZ
Sample : G4637-05 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

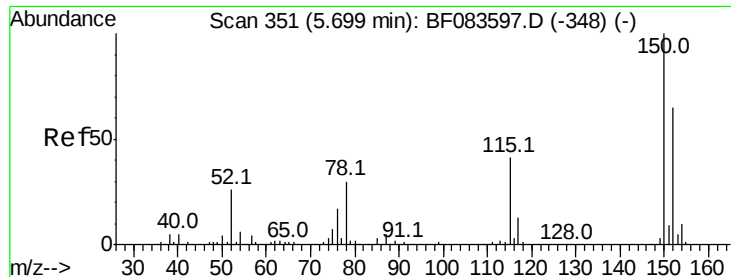
Instrument :
BNA_F
ClientSampleId :
PCPY4

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#1

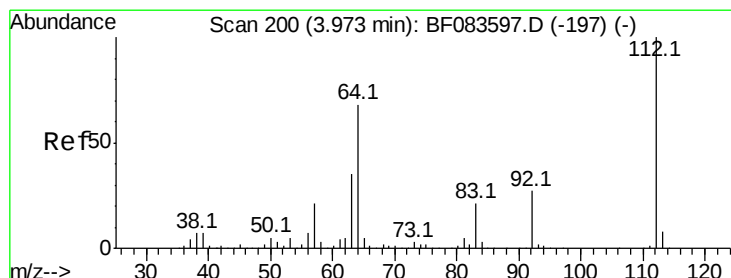
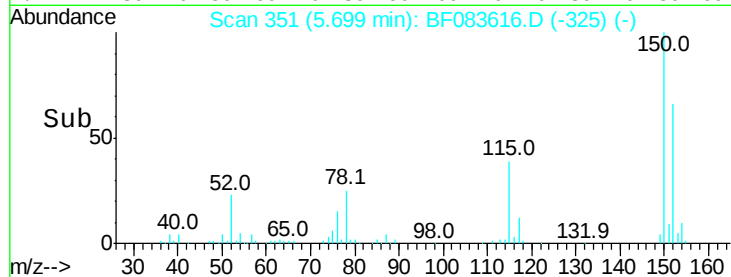
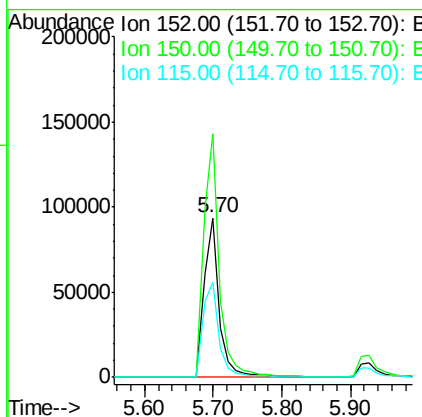
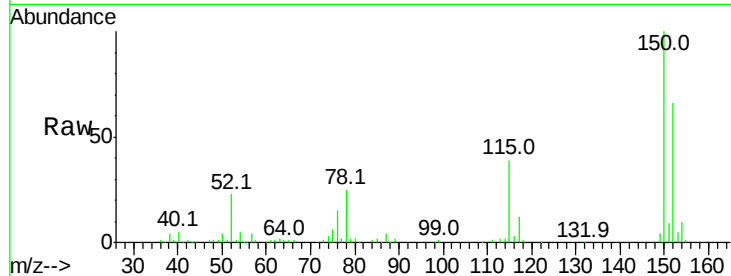
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.70 min Scan# 351
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	126.5	189.7
115	59.2	52.3	78.5

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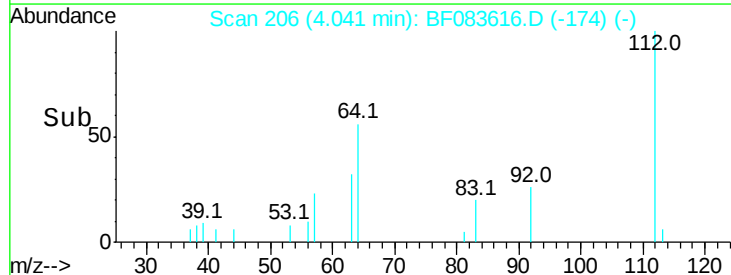
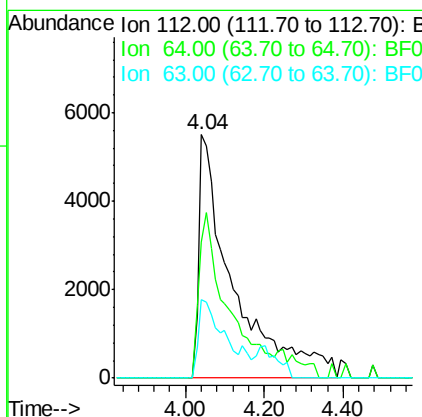
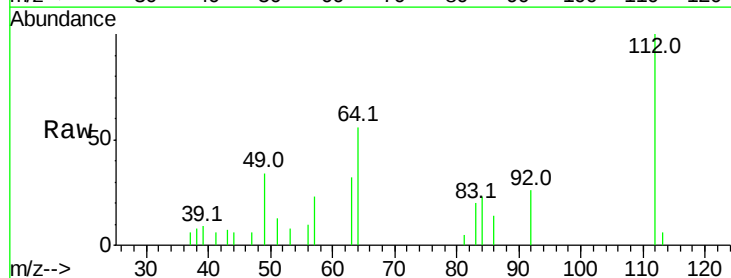
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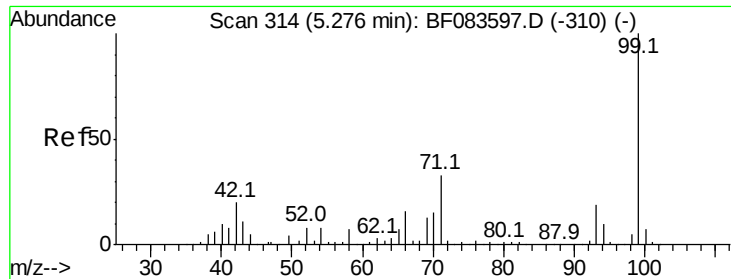


#5

2-Fluorophenol
Concen: 3.48 ng m
RT: 4.04 min Scan# 206
Delta R.T. 0.07 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	50.5	75.7
63	32.1	25.8	38.6





#7

Phenol-d6

Concen: 3.99 ng/mL

RT: 5.36 min Scan# 321

Delta R.T. 0.08 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

Instrument :

BNA_F

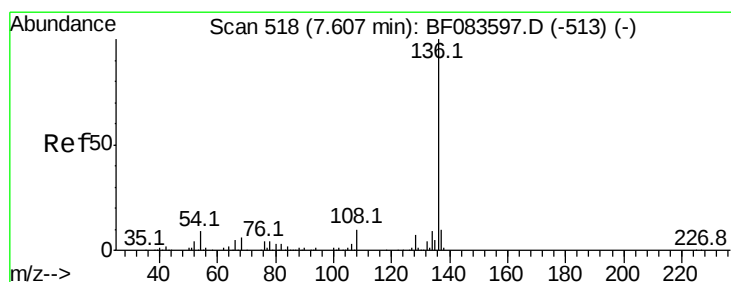
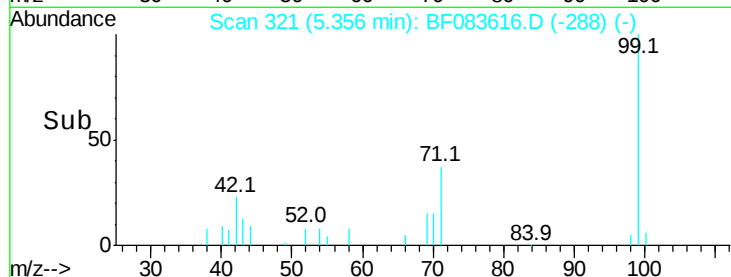
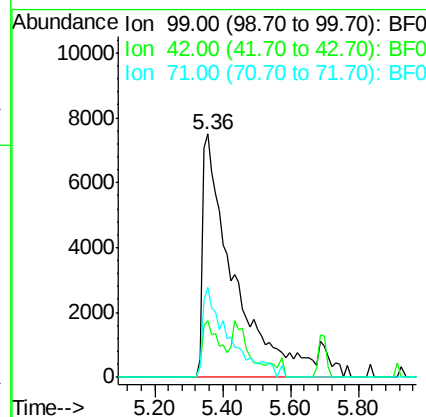
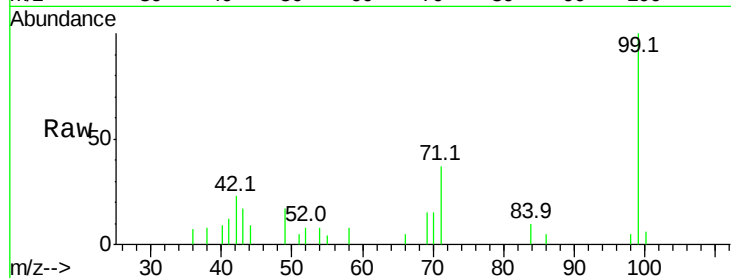
ClientSampled :

PCPY4

Tot Ion:	99	Resp:	50249
Ion Ratio	Lower	Upper	
99	100		
42	23.1	17.3	25.9
71	37.2	26.6	40.0

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#21

Naphthalene-d8

Concen: 20.00 ng

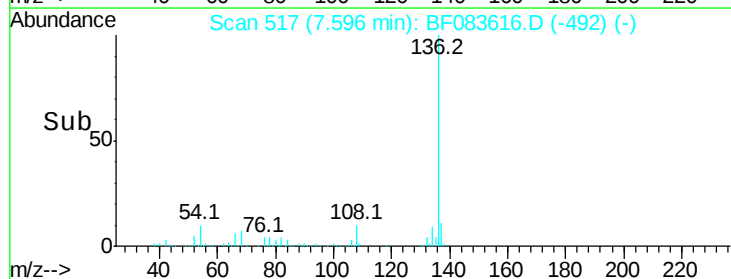
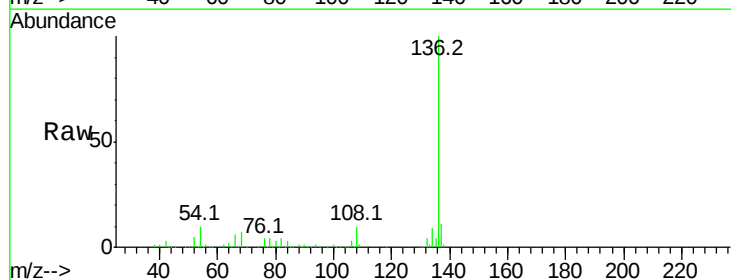
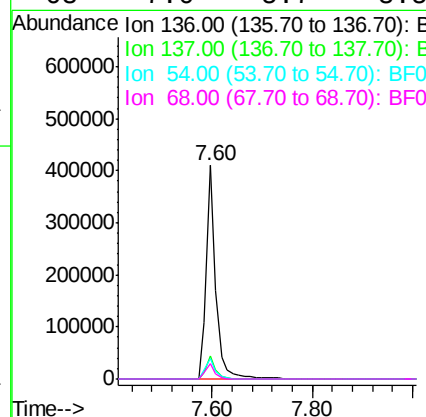
RT: 7.60 min Scan# 517

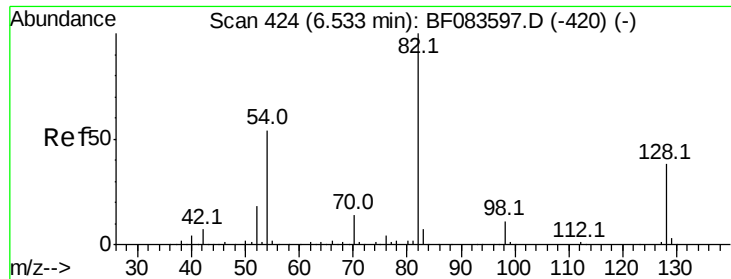
Delta R.T. -0.01 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

Tgt Ion:	136	Resp:	543070
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	9.8	7.8	11.6
68	7.0	5.7	8.5





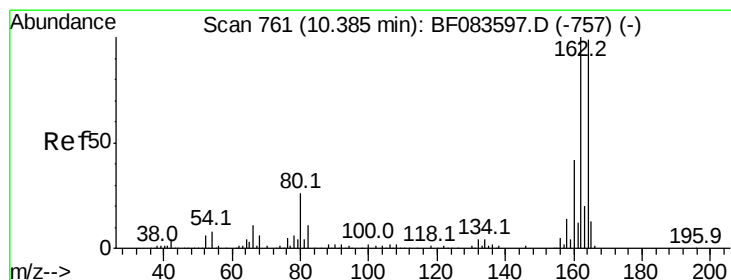
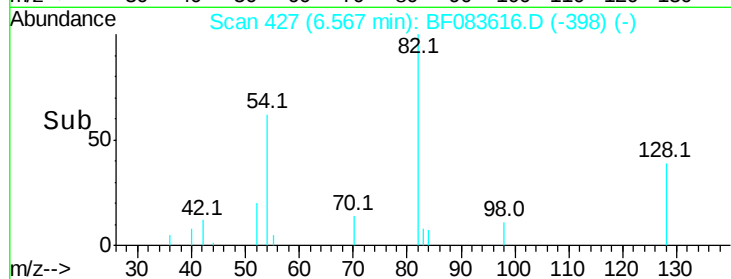
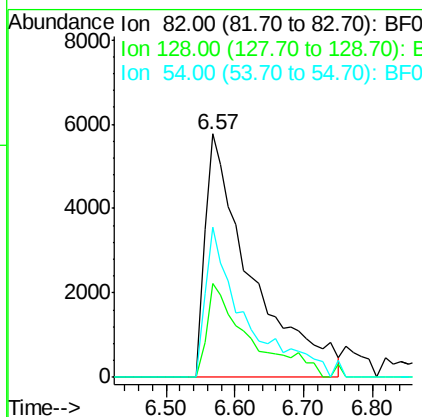
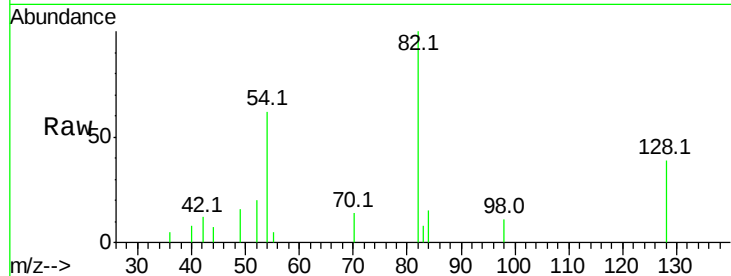
#23
 Nitrobenzene-d5
 Concen: 2.31 ng
 RT: 6.57 min Scan# 427
 Delta R.T. 0.03 min
 Lab File: BF083616.D
 Acq: 9 Dec 2015 1:50

Instrument :
 BNA_F
 ClientSampleId :
 PCPY4

Tot Ion	Ratio	Resp	Lower	Upper
82	100	26841		
128	38.6		30.7	46.1
54	61.6		42.5	63.7

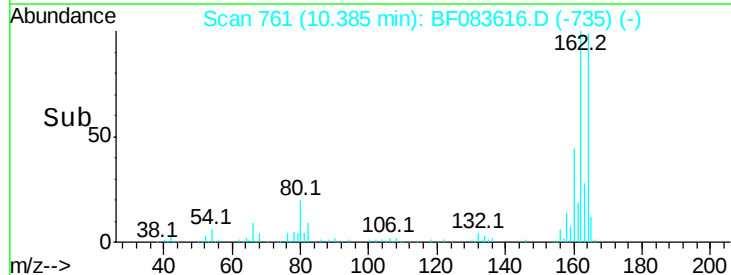
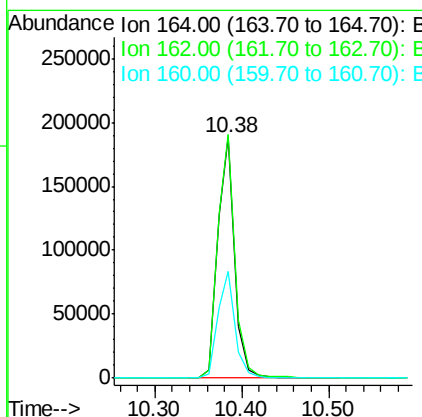
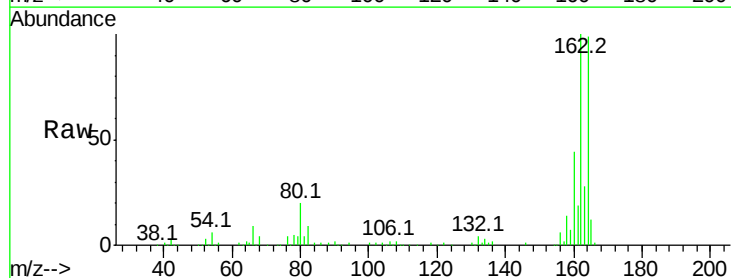
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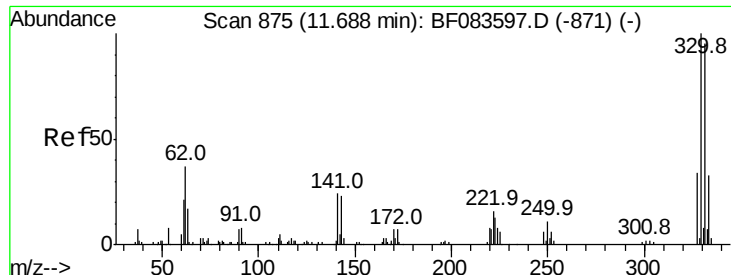
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.38 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF083616.D
 Acq: 9 Dec 2015 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	258010		
162	101.1		78.8	118.2
160	44.2		33.4	50.2





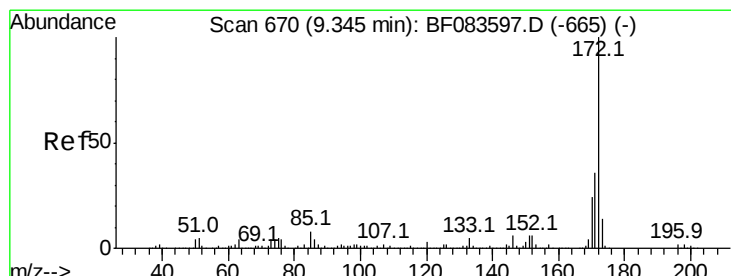
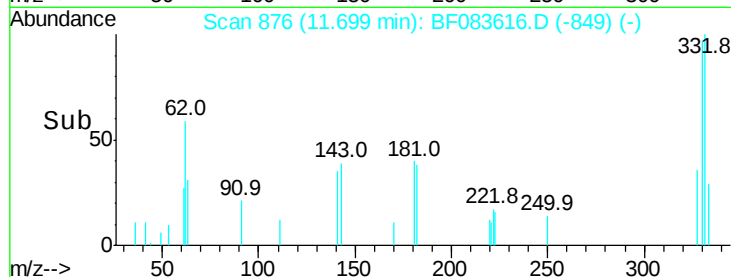
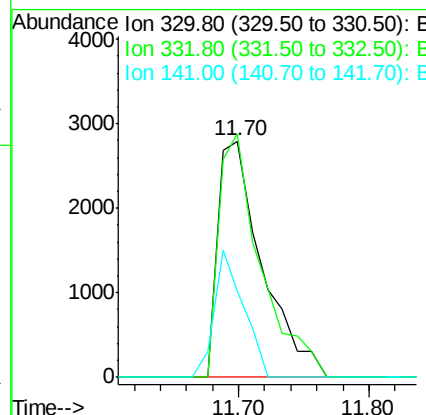
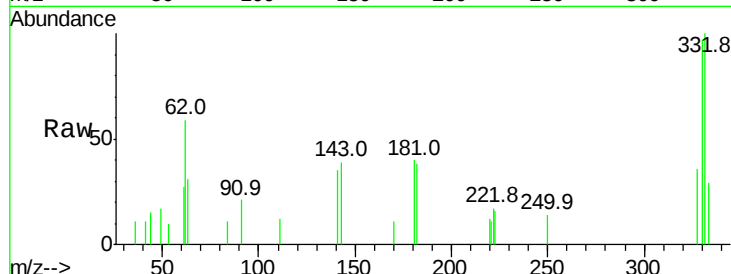
#41
 2,4,6-Tribromophenol
 Concen: 2.88 ng
 RT: 11.70 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: BF083616.D
 Acq: 9 Dec 2015 1:50

Instrument :
 BNA_F
 ClientSampleId :
 PCPY4

Tot Ion	Ratio	Resp	Lower	Upper
330	100	6623		
332	97.5	0.0	0.0	0.0
141	35.2	0.0	0.0	0.0

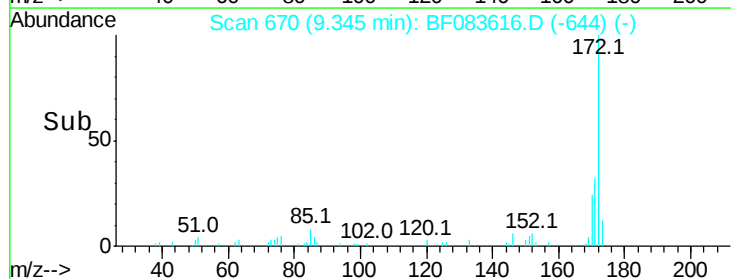
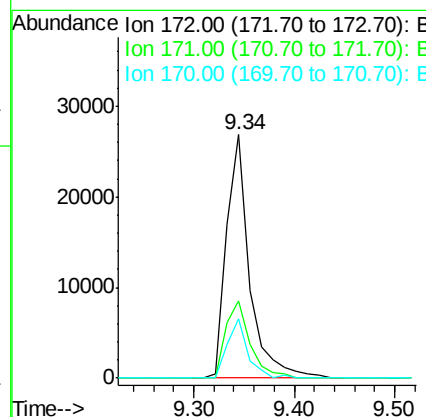
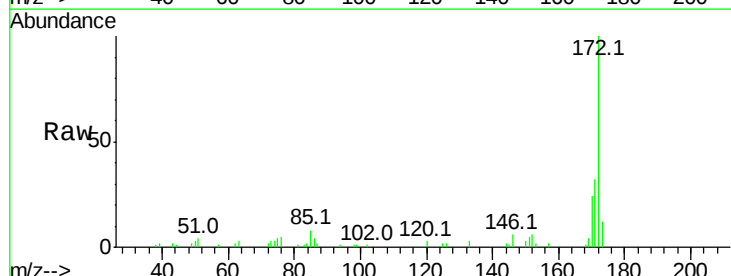
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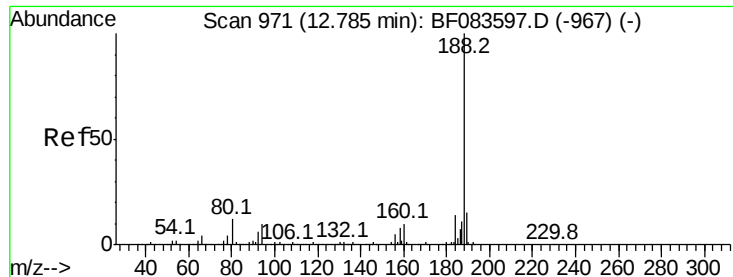
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#44
 2-Fluorobiphenyl
 Concen: 2.32 ng
 RT: 9.34 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: BF083616.D
 Acq: 9 Dec 2015 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	42531		
171	31.5	28.6	42.8	
170	24.3	19.4	29.0	





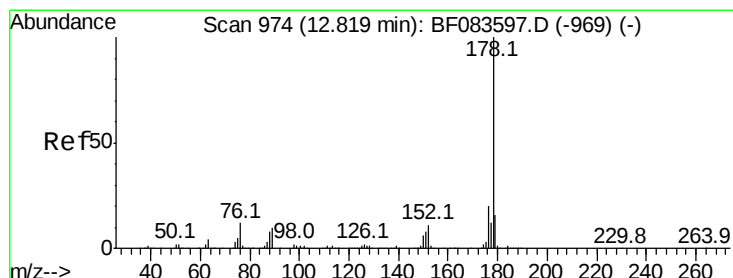
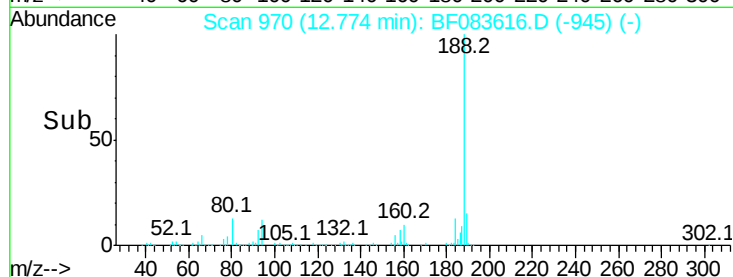
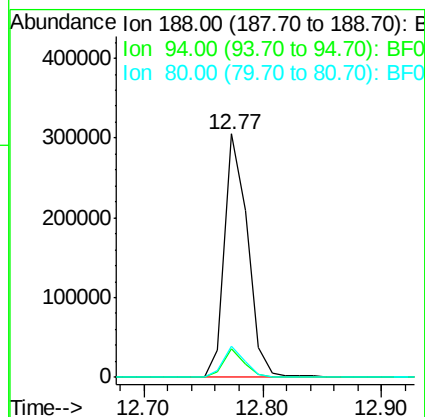
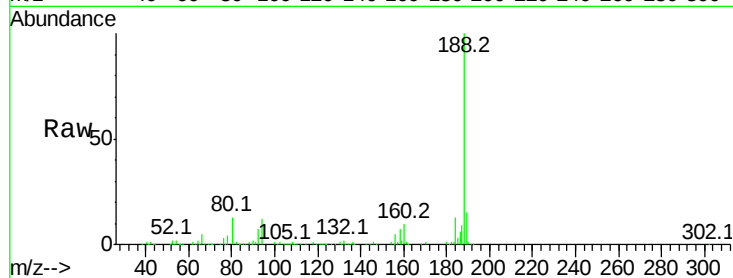
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.8	9.4	14.2	
80	12.9	10.6	16.0	

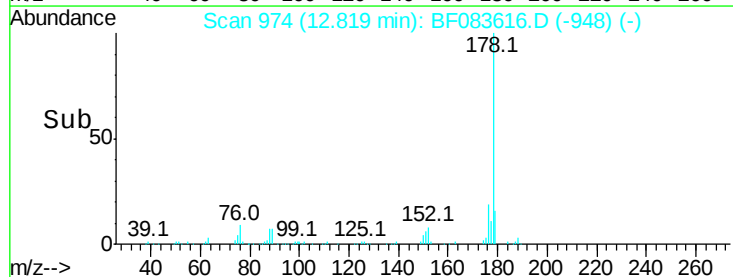
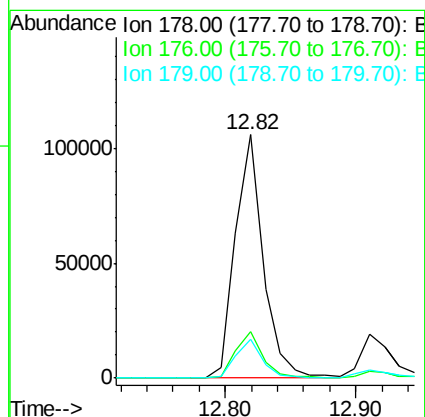
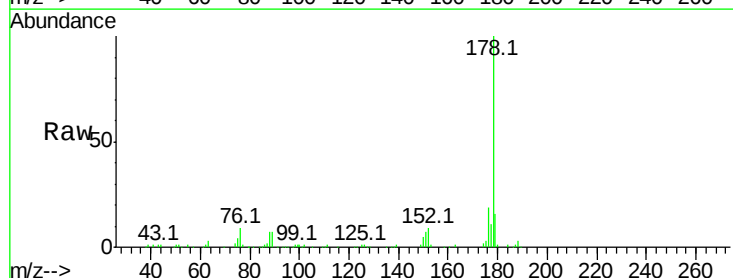
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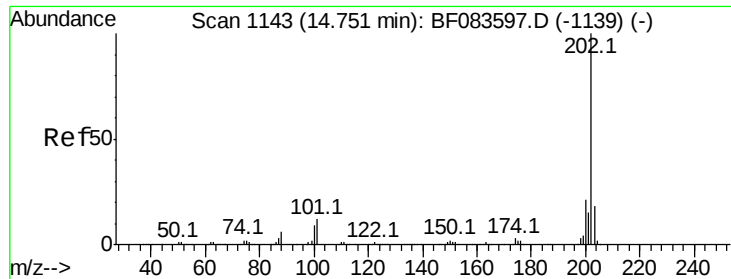
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#70
Phenanthrene
Concen: 6.68 ng
RT: 12.82 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.1	15.7	23.5	
179	15.9	12.2	18.4	





#74

Fluoranthene

Concen: 7.48 ng

RT: 14.74 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

Instrument :

BNA_F

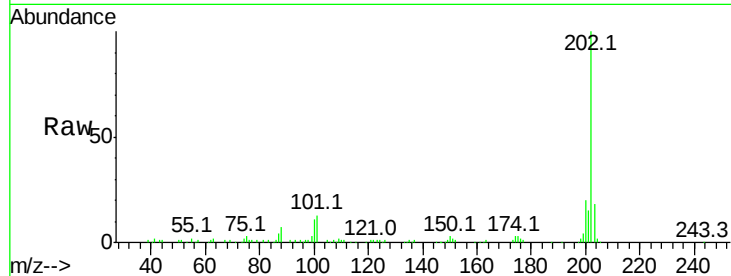
ClientSampled :

PCPY4

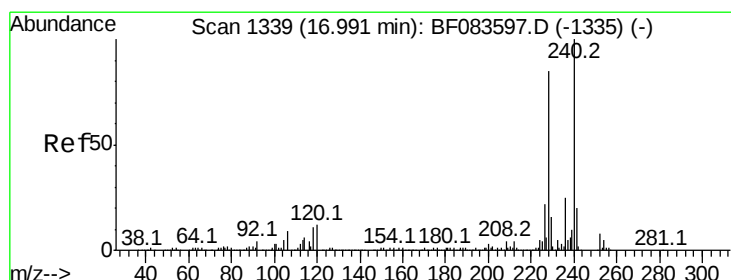
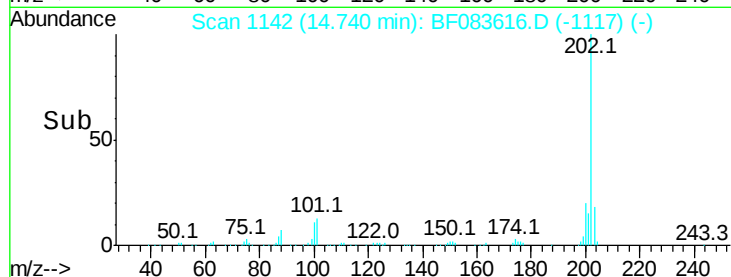
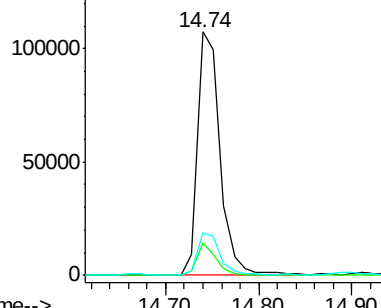
Tot Ion:	202	Resp:	180842
Ion Ratio		Lower	Upper
202	100		
101	13.5	0.0	31.5
203	17.7	0.0	37.6

Manual Integrations
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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: 16.99 min Scan# 1339

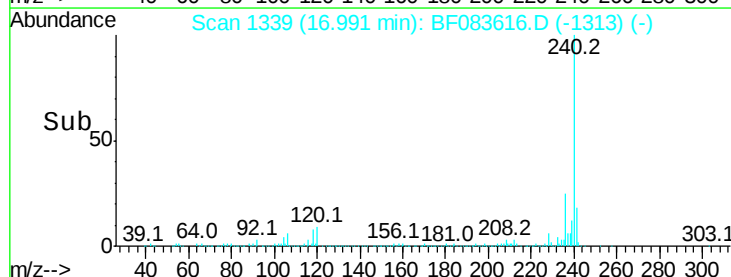
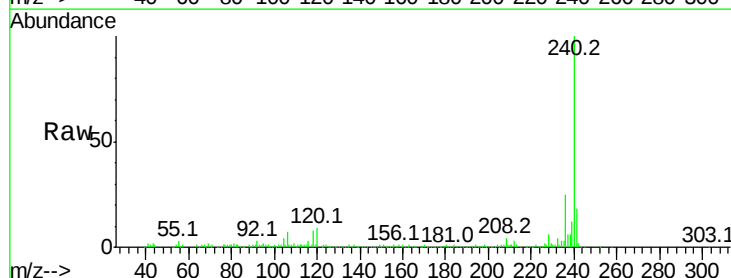
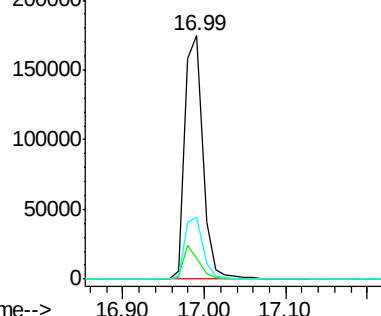
Delta R.T. 0.00 min

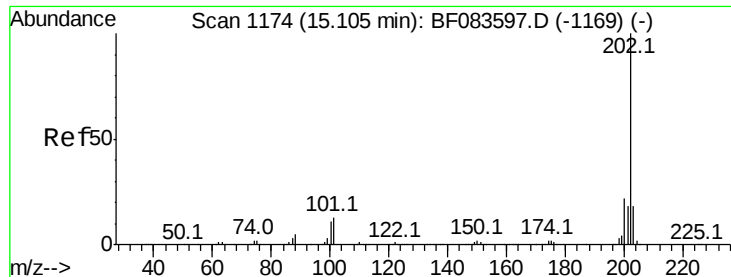
Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

Tgt Ion:	240	Resp:	271391
Ion Ratio		Lower	Upper
240	100		
120	8.6	8.1	12.1
236	25.2	20.8	31.2

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: 7.22 ng

RT: 15.11 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

Instrument :

BNA_F

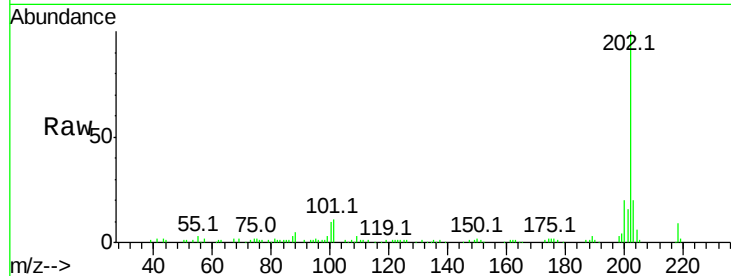
ClientSampleId :

PCPY4

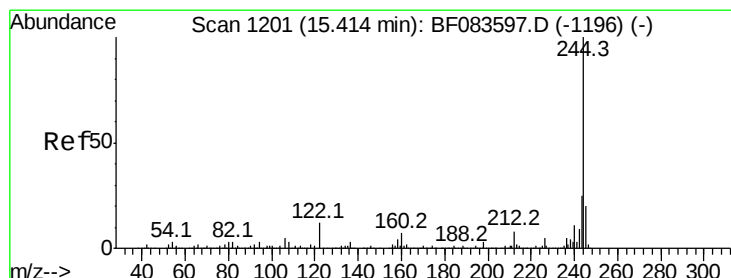
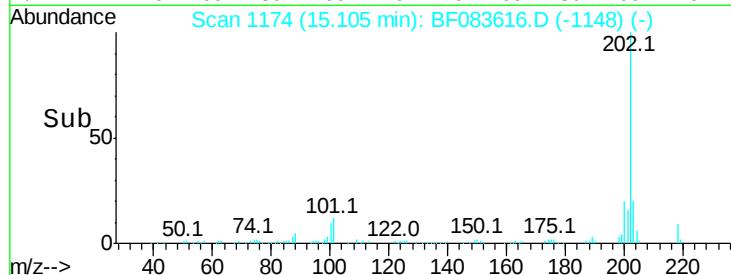
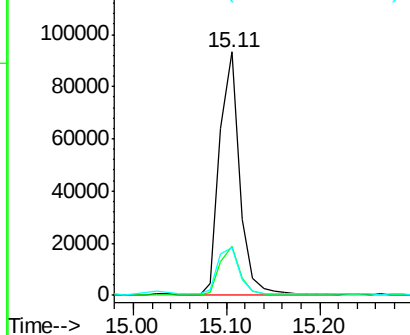
Tot Ion:	202	Resp:	141075
Ion Ratio		Lower	Upper
202	100		
200	20.3	16.7	25.1
203	19.9	14.3	21.5

Manual Integrations
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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: 2.26 ng

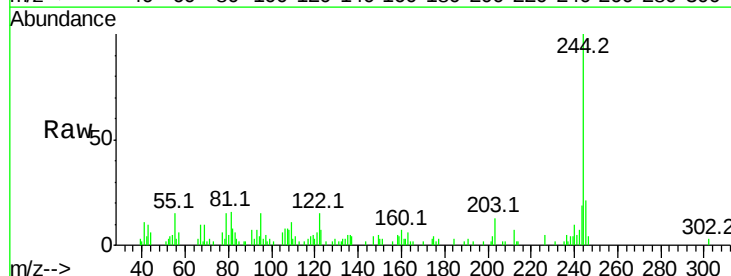
RT: 15.40 min Scan# 1200

Delta R.T. -0.01 min

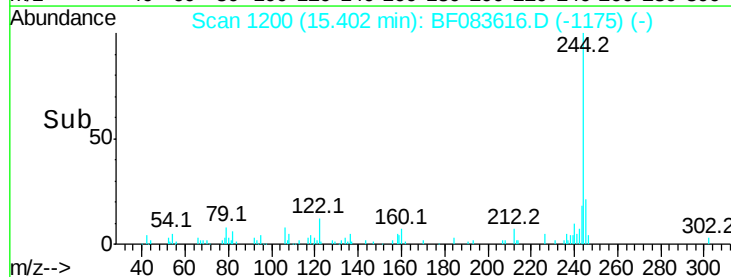
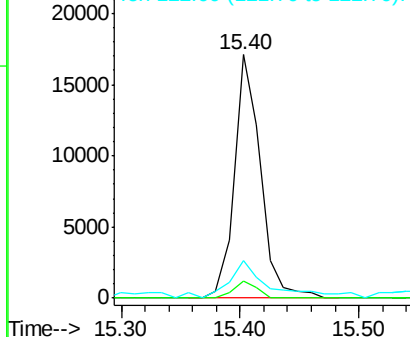
Lab File: BF083616.D

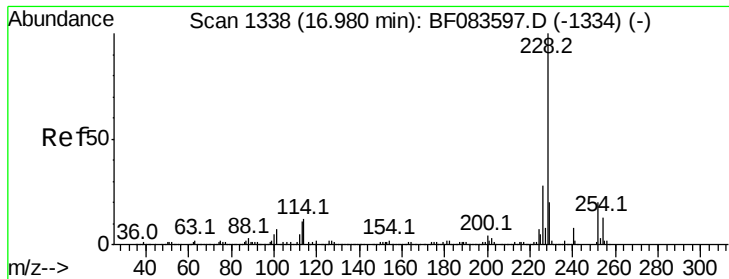
Acq: 9 Dec 2015 1:50

Tgt Ion:	244	Resp:	26120
Ion Ratio		Lower	Upper
244	100		
212	7.2	6.1	9.1
122	15.4	11.0	16.6



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





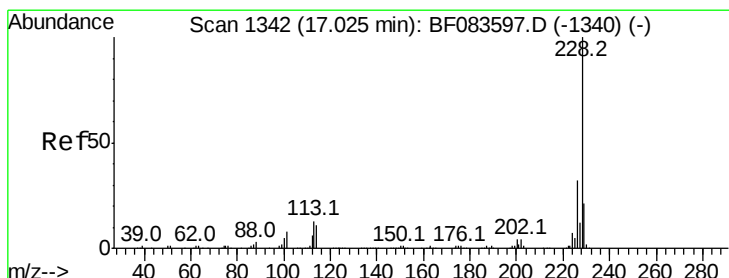
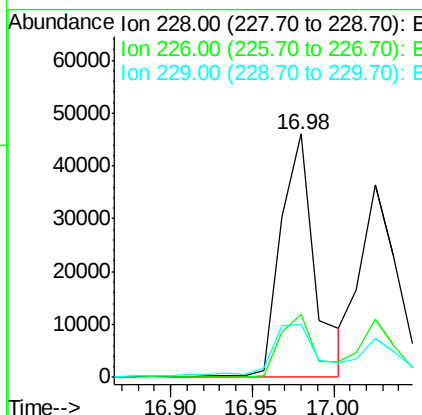
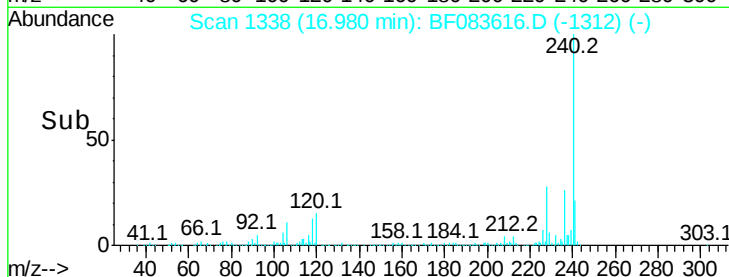
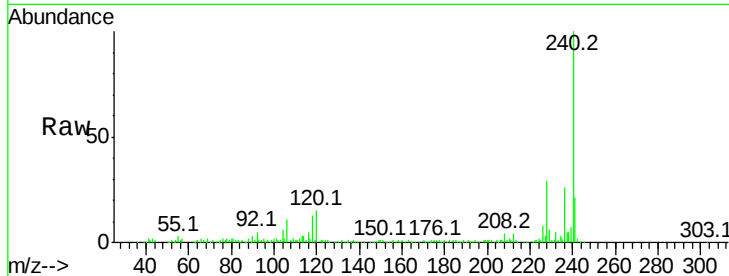
#80
Benzo(a)anthracene
Concen: 4.26 ng
RT: 16.98 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tot Ion	Ratio	Resp	Lower	Upper
228	100	67631		
226	26.1	22.3	33.5	
229	21.7	15.7	23.5	

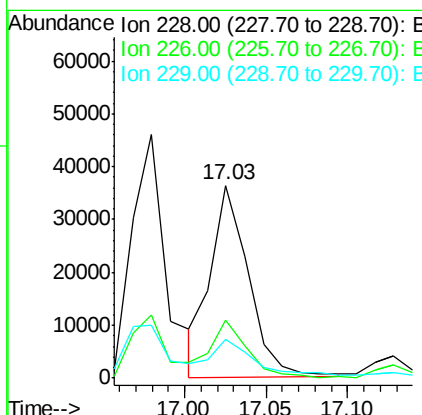
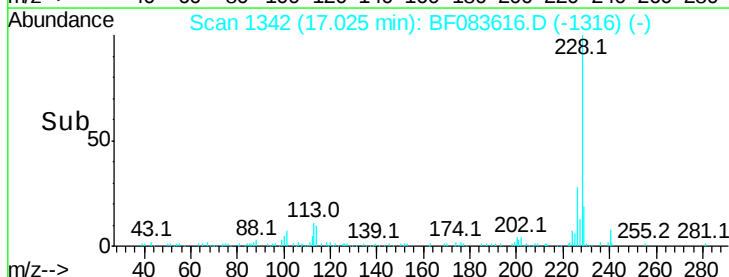
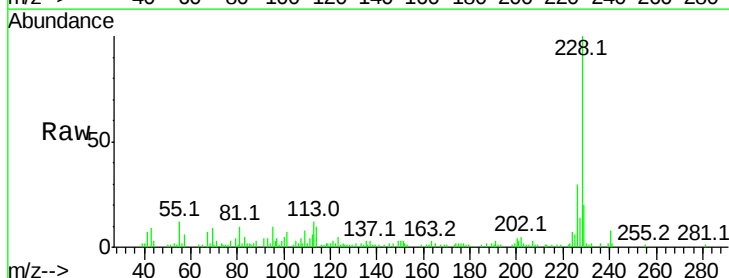
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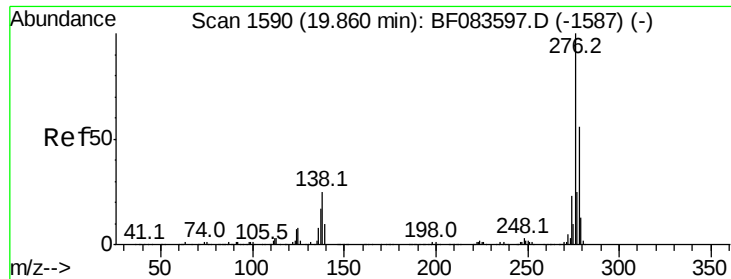
Mmdadoda
12/9/2015 6:13:36 PM



#82
Chrysene
Concen: 3.70 ng
RT: 17.03 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	58907		
226	30.2	24.7	37.1	
229	19.9	16.3	24.5	





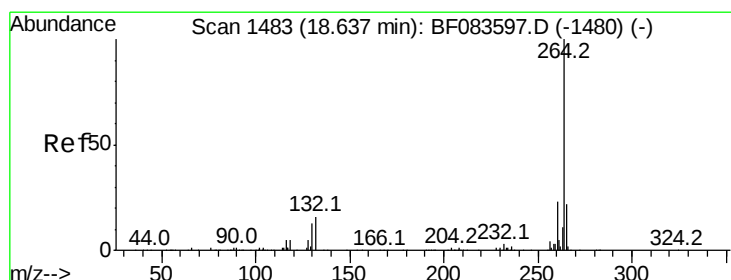
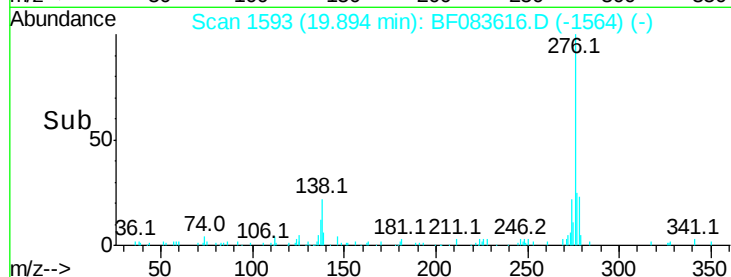
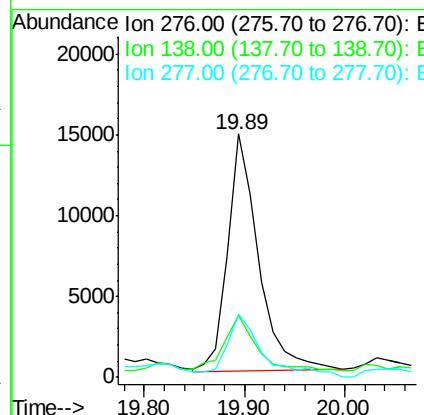
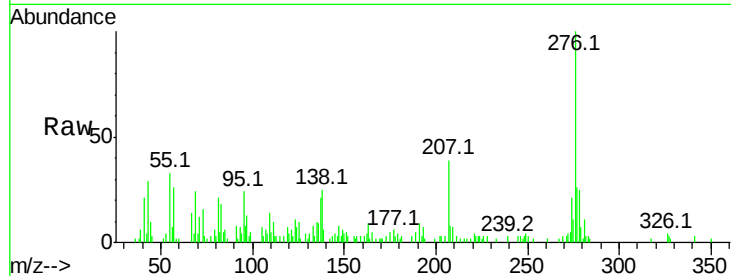
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.92 ng
RT: 19.89 min Scan# 1593
Delta R.T. 0.03 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	23.1	0.0	0.0#
277	31.6	0.0	0.0#

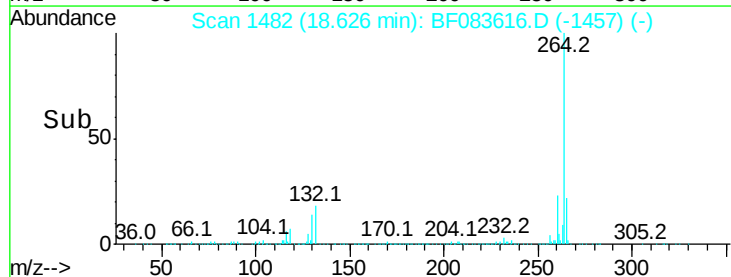
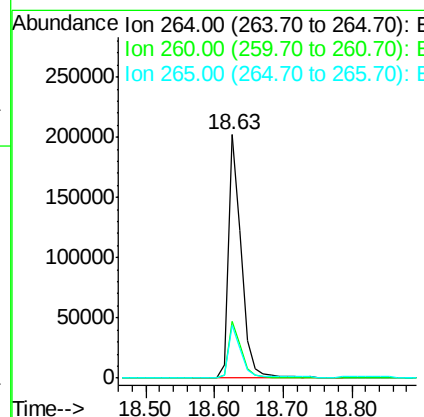
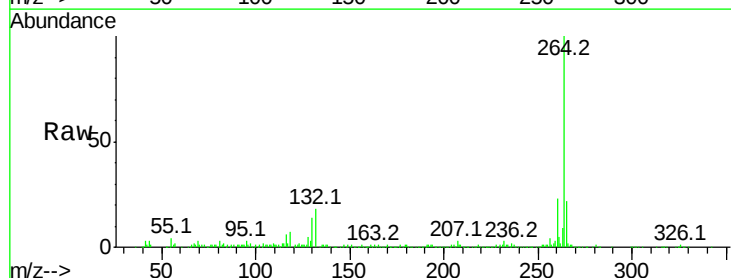
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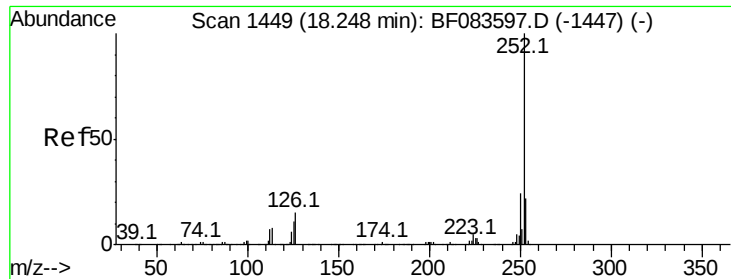
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#86
Perylene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.2	19.4	29.0
265	21.8	17.8	26.6





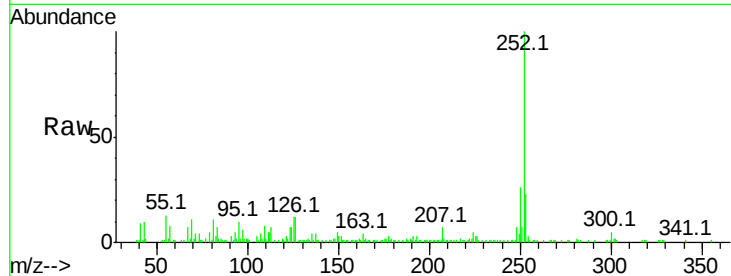
#87
Benzo(b)fluoranthene
Concen: 4.85 ng m
RT: 18.26 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

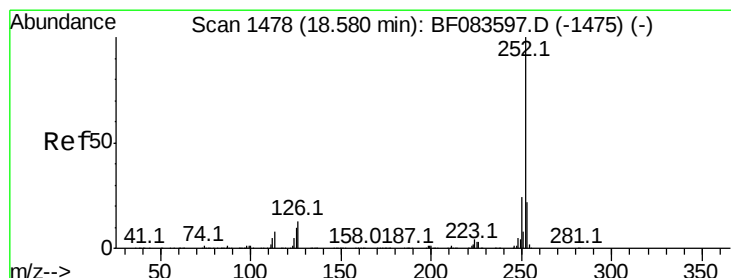
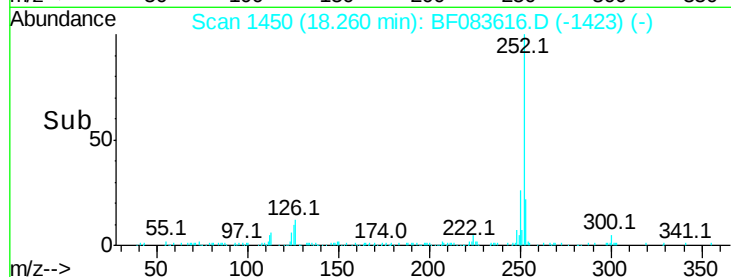
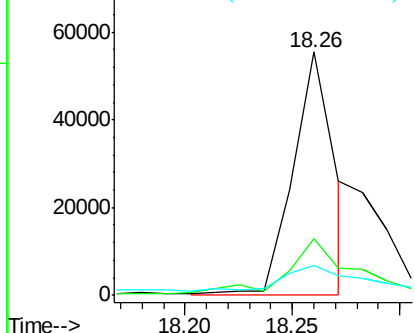
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	12.0	8.2	12.4

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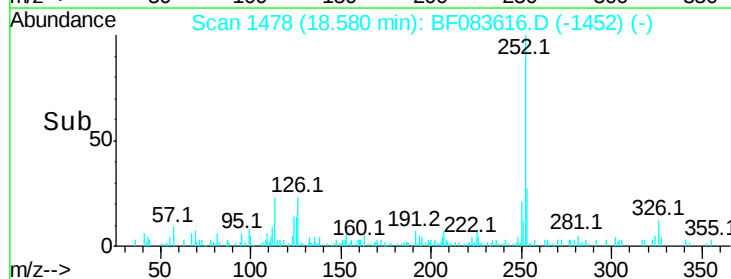
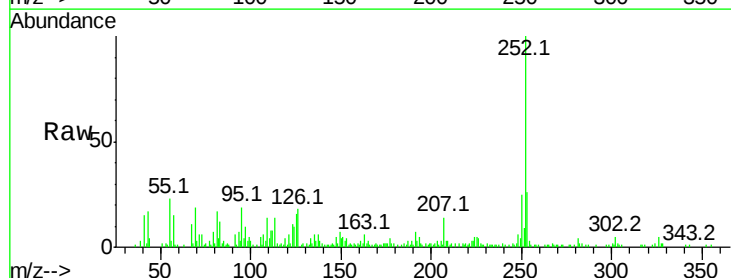
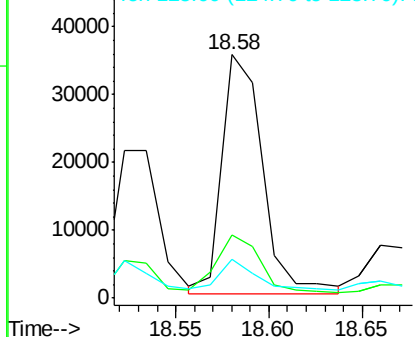
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

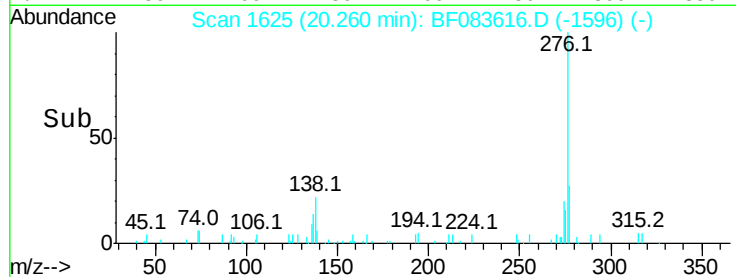
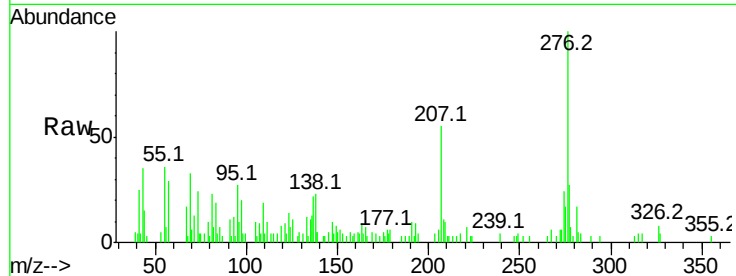
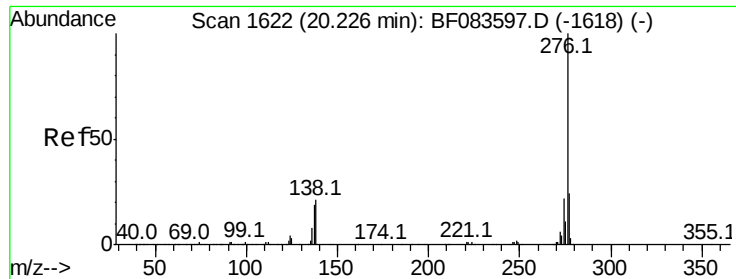


#89
Benzo(a)pyrene
Concen: 3.63 ng
RT: 18.58 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.5	26.3
125	16.0	11.0	16.6

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





#91

Benzo(a,h,i)perylene

Concen: 2.55 ng

RT: 20.26 min Scan# 1625

Delta R.T. 0.03 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

Tot Ion:	276	Resp:	28345
Ion Ratio		Lower	Upper
276	100		
277	26.9	19.2	28.8
138	28.0	19.5	29.3

Instrument :

BNA_F

ClientSampleId :

PCPY4

Manual Integrations
APPROVED

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