

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
 Data File : BF087578.D
 Acq On : 31 May 2016 7:20
 Operator : UM/SJ
 Sample : H3323-02
 Misc :
 ALS Vial : 96 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Manual Integrations
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Quant Time: May 31 07:48:48 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	114133	20.00	ng	-0.05
21) Naphthalene-d8	9.51	136	450933	20.00	ng	-0.05
38) Acenaphthene-d10	12.33	164	181388	20.00	ng	-0.06
63) Phenanthrene-d10	14.74	188	289333	20.00	ng	-0.03
75) Chrysene-d12	18.46	240	246017	20.00	ng	-0.02
86) Perylene-d12	20.15	264	170198	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	703252	108.27	ng	-0.03
7) Phenol-d6	7.04	99	924948	105.39	ng	-0.03
23) Nitrobenzene-d5	8.39	82	597152	66.74	ng	-0.06
41) 2,4,6-Tribromophenol	13.63	330	146118	83.83	ng	-0.05
44) 2-Fluorobiphenyl	11.28	172	974433	75.73	ng	-0.06
78) Terphenyl-d14	17.09	244	679666	58.73	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	11.98	163	102407	7.05	ng	99
70) Phenanthrene	14.79	178	98682	6.16	ng	99
71) Anthracene	14.89	178	34014	2.10	ng	97
74) Fluoranthene	16.56	202	172241	10.72	ng	93
77) Pyrene	16.86	202	165420	9.34	ng	97
79) Butylbenzylphthalate	17.75	149	54584	6.95	ng	# 79
80) Benzo(a)anthracene	18.45	228	75303	5.38	ng	100
82) Chrysene	18.50	228	75439	5.43	ng	96
85) Indeno(1,2,3-cd)pyrene	21.47	276	26671m	2.40	ng	
87) Benzo(b)fluoranthene	19.75	252	72599m	6.70	ng	
88) Benzo(k)fluoranthene	19.77	252	34705m	3.72	ng	
89) Benzo(a)pyrene	20.11	252	51798	5.52	ng	# 82
91) Benzo(a,h,i)perylene	21.84	276	24747	3.14	ng	91

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

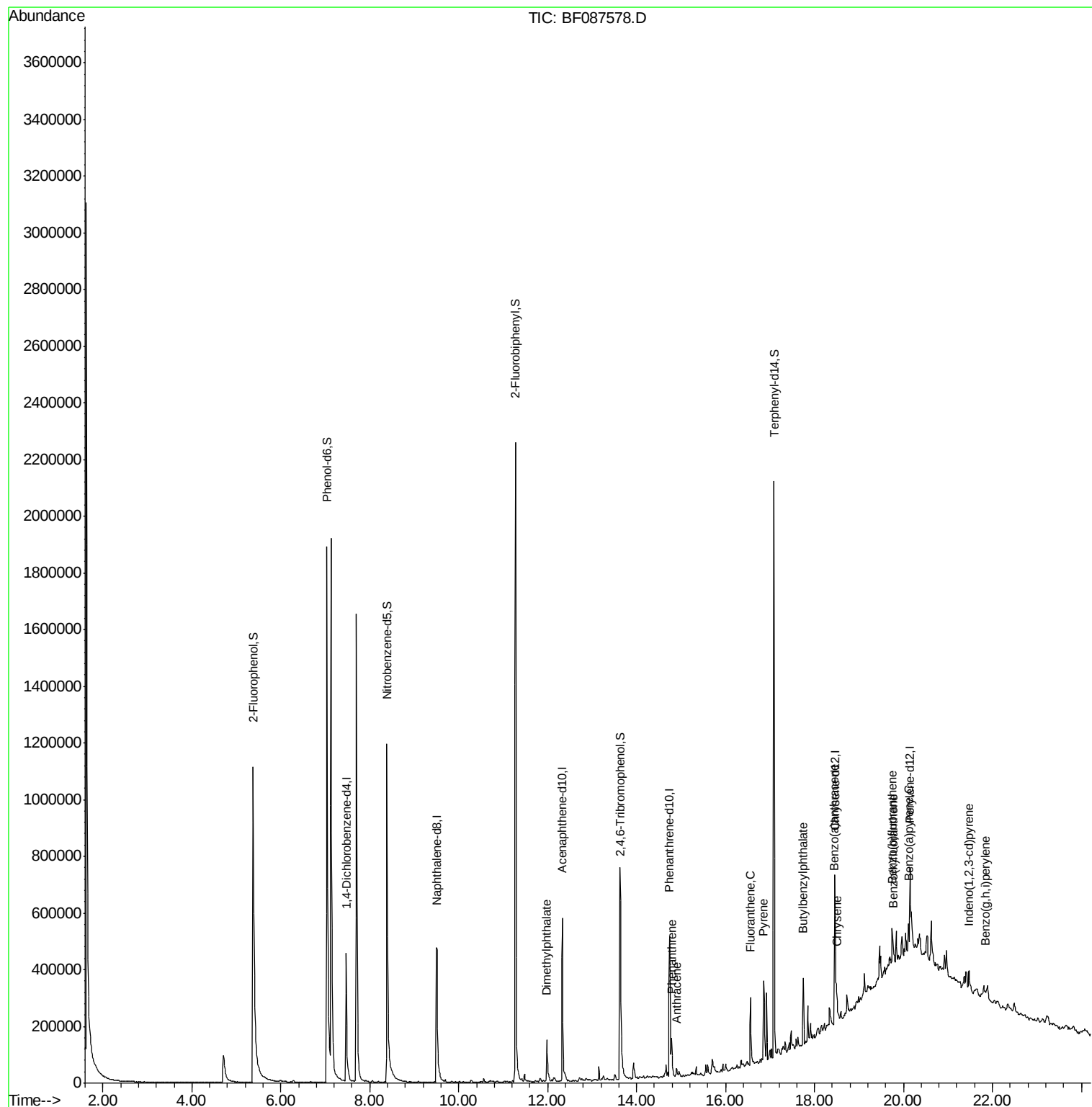
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087578.D
Acq On : 31 May 2016 7:20
Operator : UM/SJ
Sample : H3323-02
Misc :
ALS Vial : 96 Sample Multiplier: 1

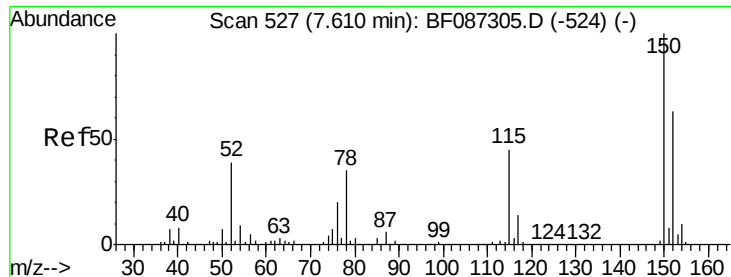
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

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Quant Time: May 31 07:48:48 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

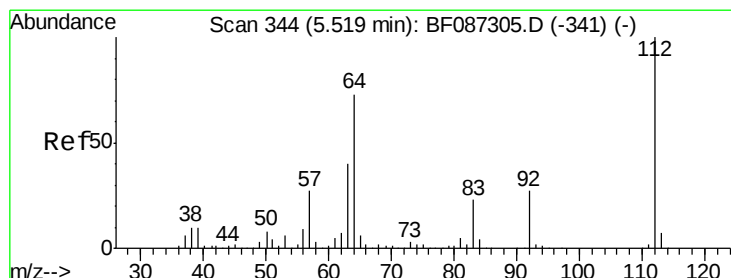
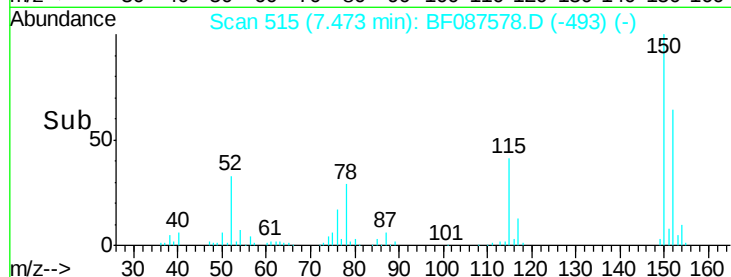
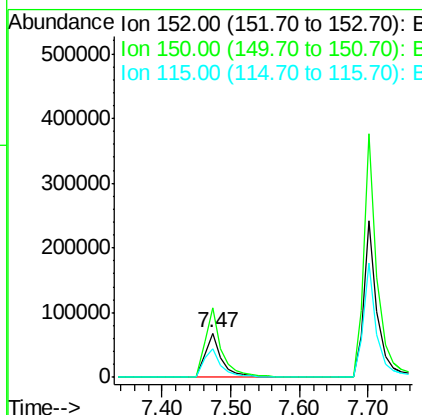
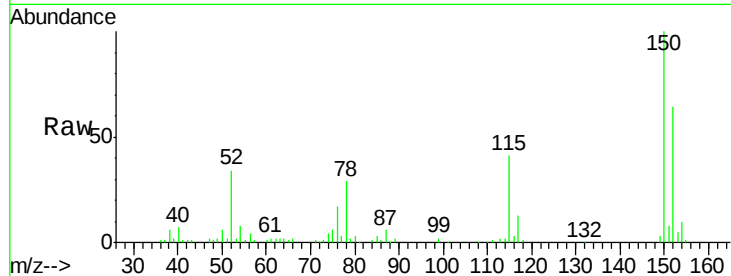
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.47 min Scan# 515
Delta R.T. -0.05 min
Lab File: BF087578.D
Acq: 31 May 2016 7:20

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tot Ion	Ratio	Resp	Lower	Upper
152	100	114133		
150	157.3	125.8	188.6	
115	64.3	51.5	77.3	

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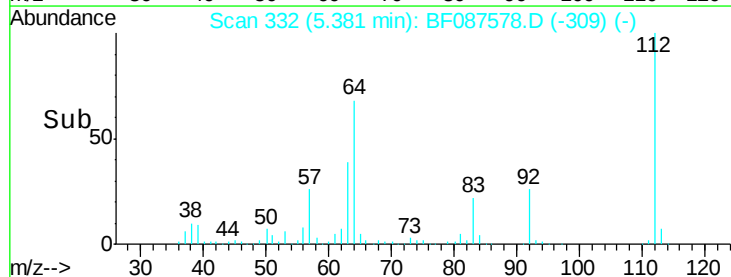
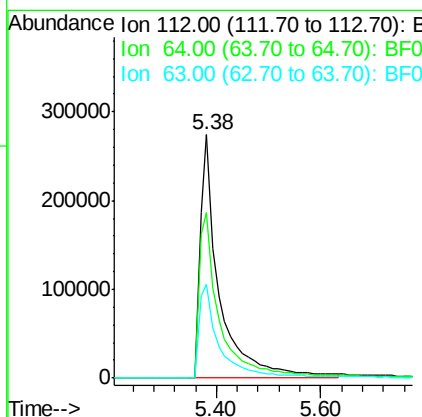
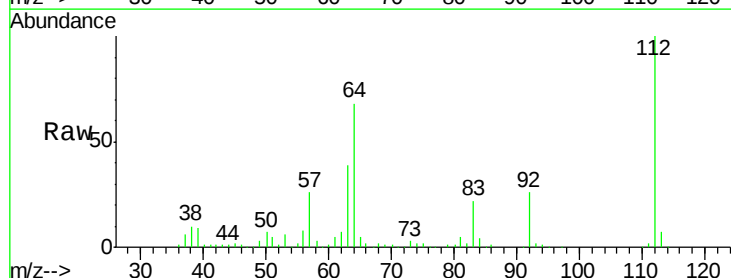
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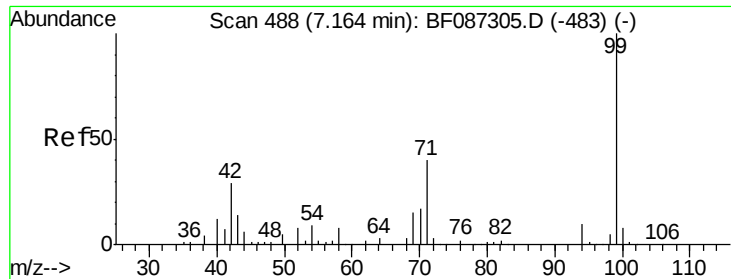


#5

2-Fluorophenol
Concen: 108.27 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.03 min
Lab File: BF087578.D
Acq: 31 May 2016 7:20

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	703252		
64	67.8	52.1	78.1	
63	38.7	25.7	38.5	





#7

Phenol-d6

Concen: 105.39 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tot Ion: 99 Resp: 924948
Ion Ratio Lower Upper

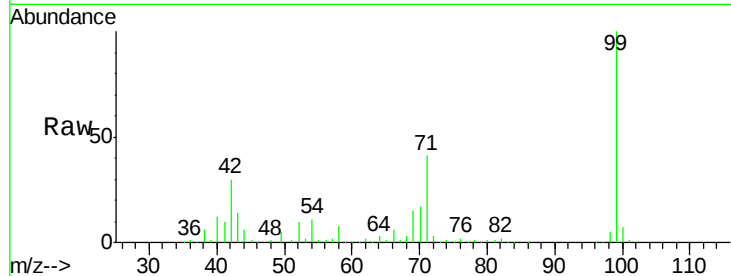
99 100

42 30.0 13.6 20.4#

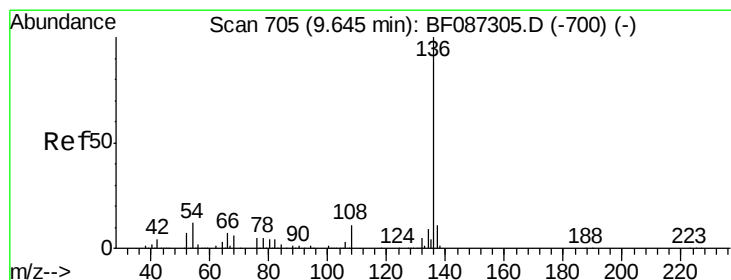
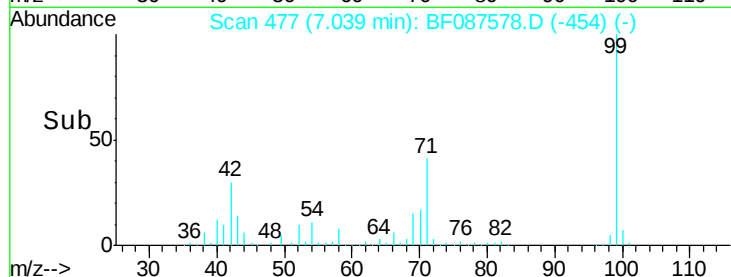
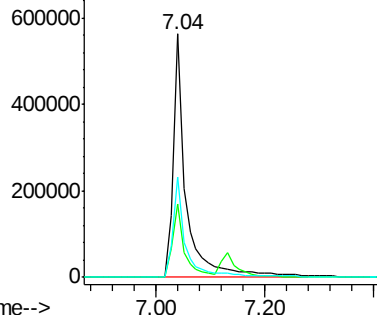
71 41.1 24.6 36.8#

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.05 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Tgt Ion: 136 Resp: 450933
Ion Ratio Lower Upper

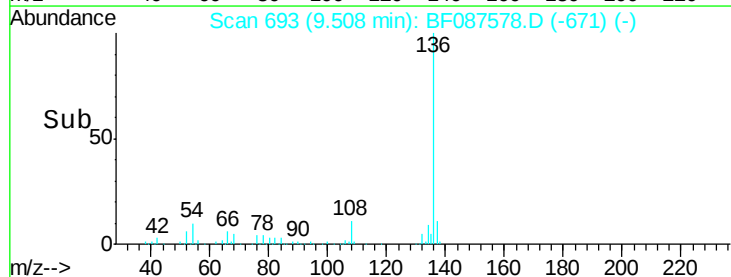
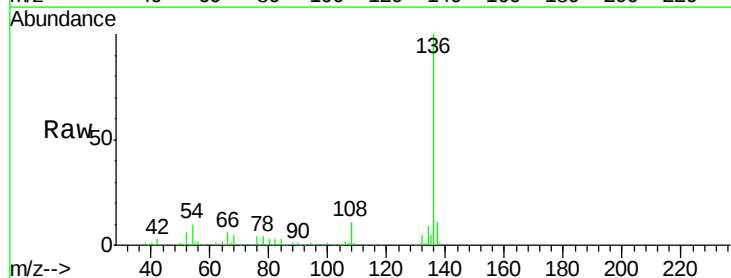
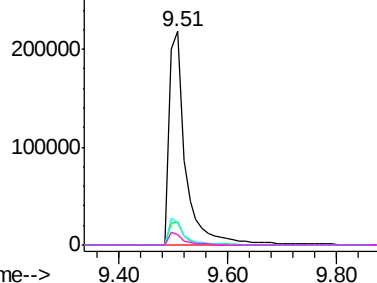
136 100

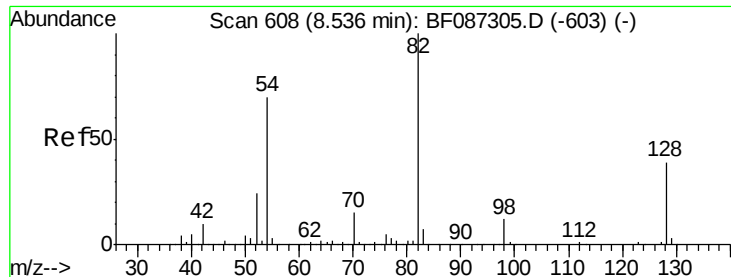
137 10.5 8.8 13.2

54 10.3 5.0 7.4#

68 5.0 4.4 6.6

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





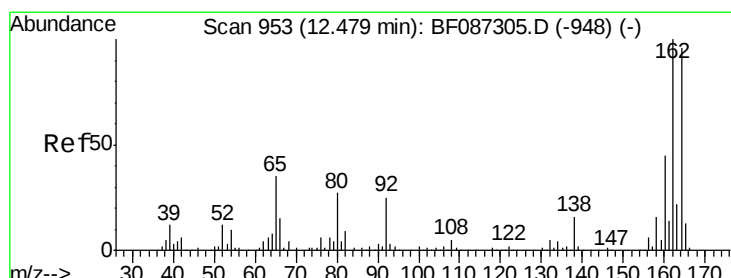
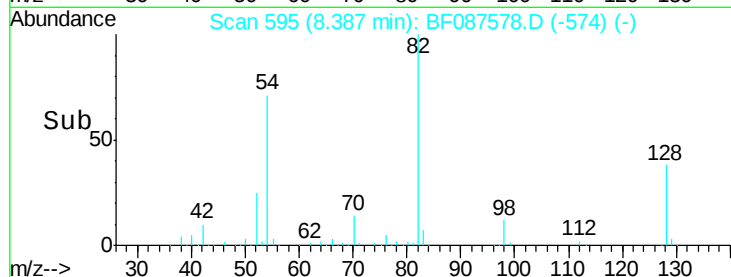
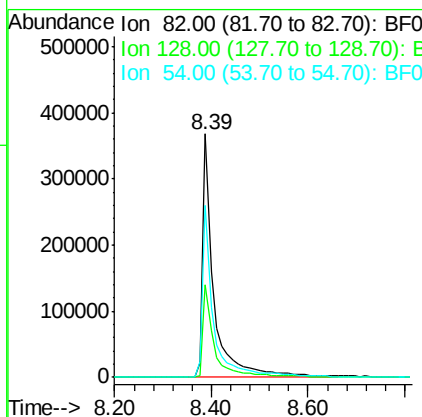
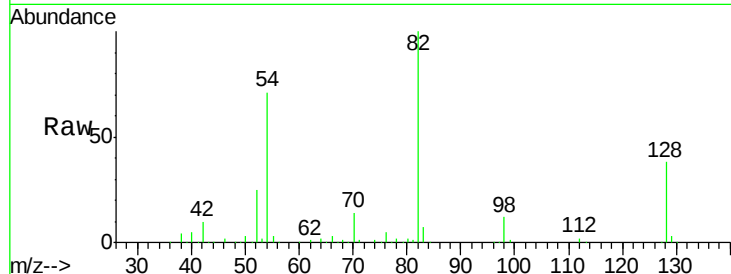
#23
 Nitrobenzene-d5
 Concen: 66.74 ng
 RT: 8.39 min Scan# 595
 Delta R.T. -0.06 min
 Lab File: BF087578.D
 Acq: 31 May 2016 7:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	37.9	40.6	61.0#
54	70.8	38.1	57.1#

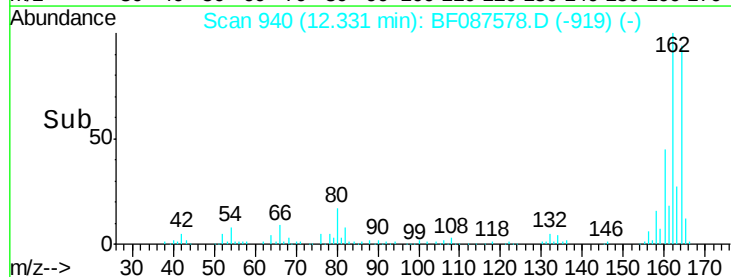
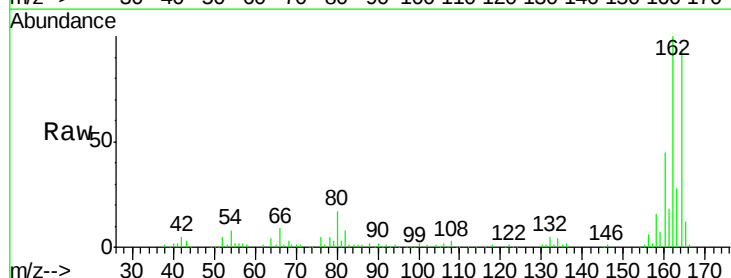
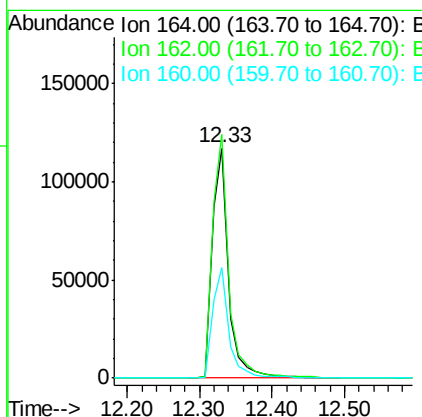
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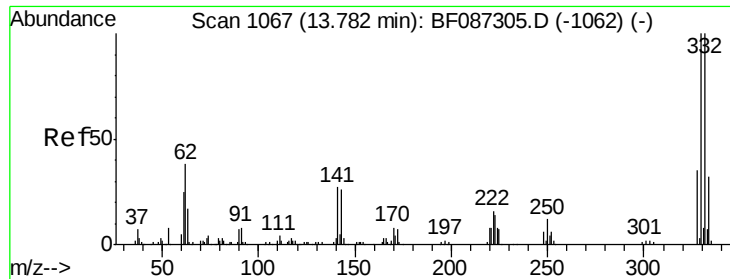
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.33 min Scan# 940
 Delta R.T. -0.06 min
 Lab File: BF087578.D
 Acq: 31 May 2016 7:20

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	106.0	82.8	124.2
160	48.2	36.9	55.3





#41

2,4,6-Tribromophenol

Concen: 83.83 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.05 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

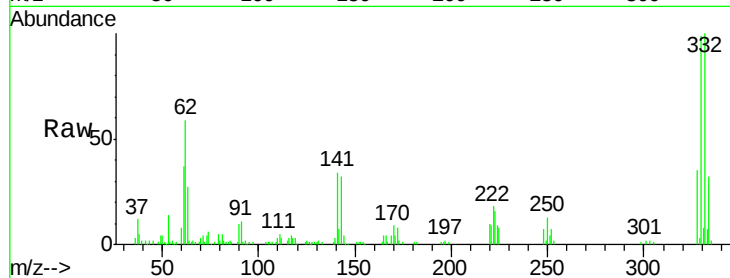
ClientSampleId :

SB-02-COMP

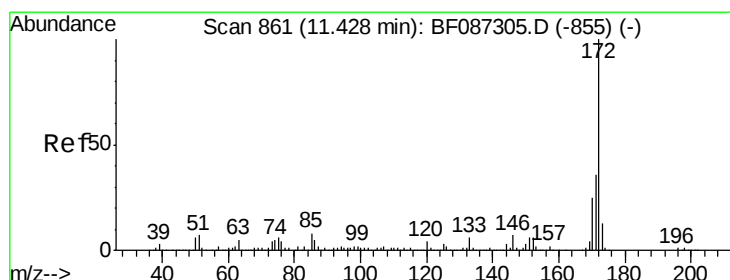
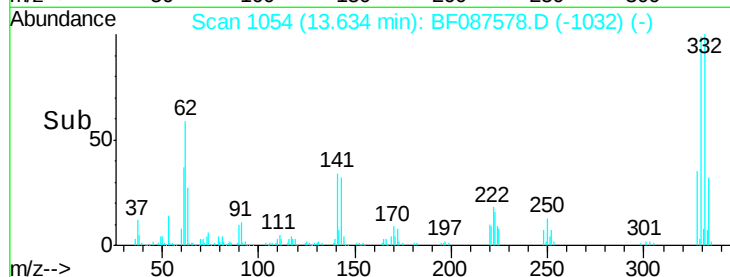
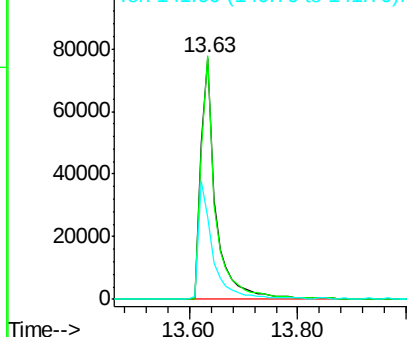
Tot Ion:	330	Resp:	146118
Ion Ratio	Lower	Upper	
330	100		
332	97.6	79.0	118.4
141	47.4	31.2	46.8#

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 75.73 ng

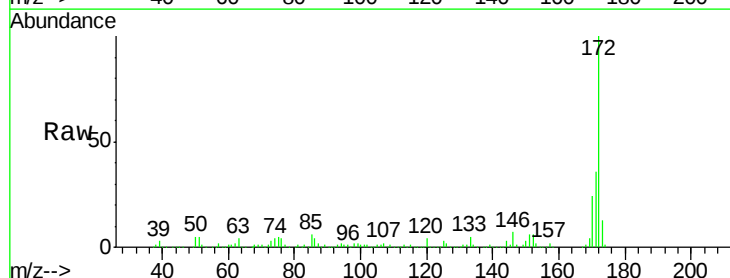
RT: 11.28 min Scan# 848

Delta R.T. -0.06 min

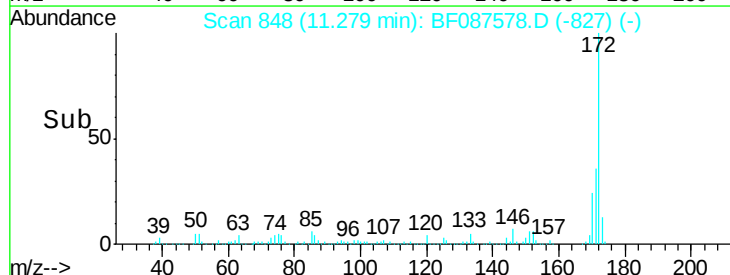
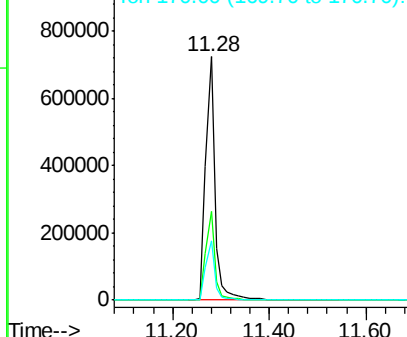
Lab File: BF087578.D

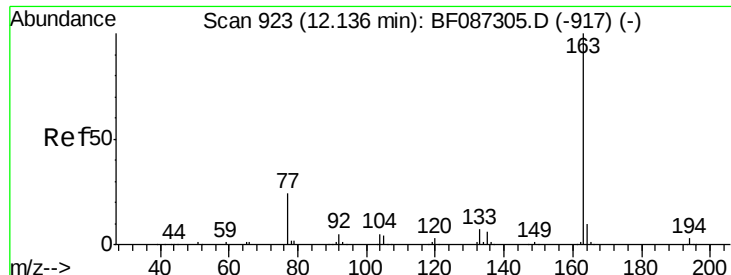
Acq: 31 May 2016 7:20

Tgt Ion:	172	Resp:	974433
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.0	43.6
170	24.3	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 7.05 ng

RT: 11.98 min Scan# 909

Delta R.T. -0.07 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

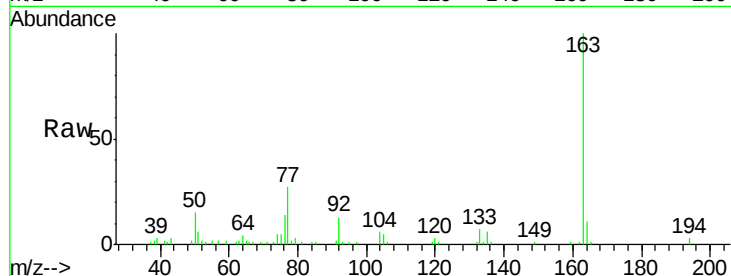
ClientSampleId :

SB-02-COMP

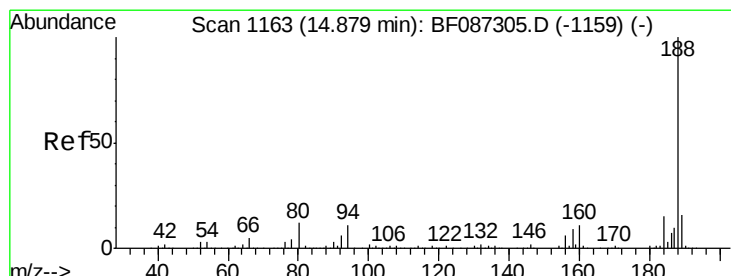
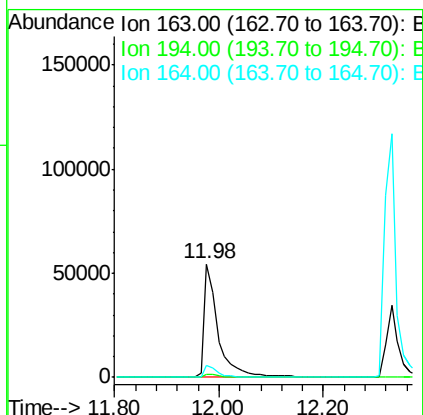
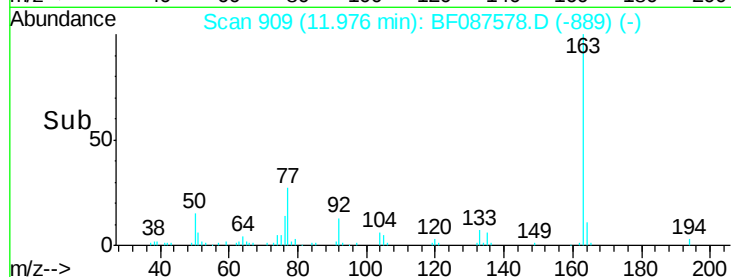
Tot Ion:	163	Resp:	102407
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.6	4.0
164	10.5	8.2	12.4

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

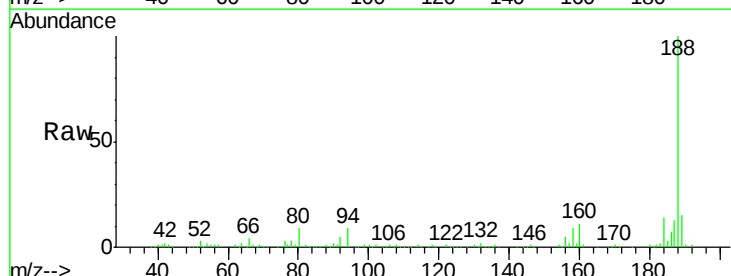
RT: 14.74 min Scan# 1151

Delta R.T. -0.03 min

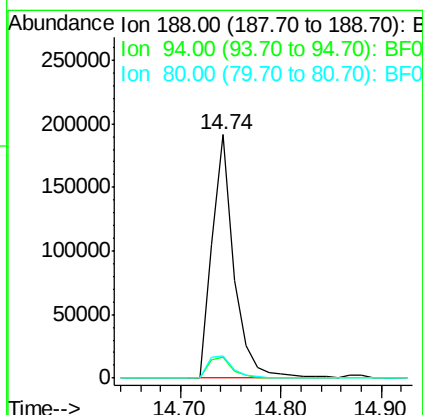
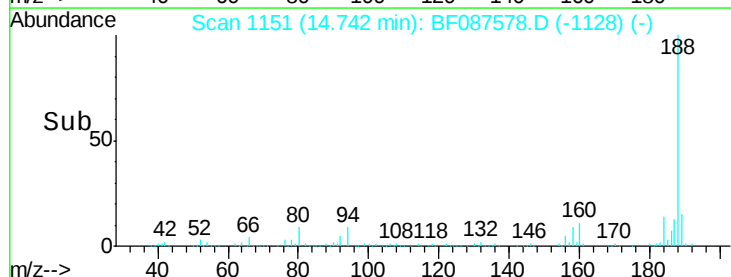
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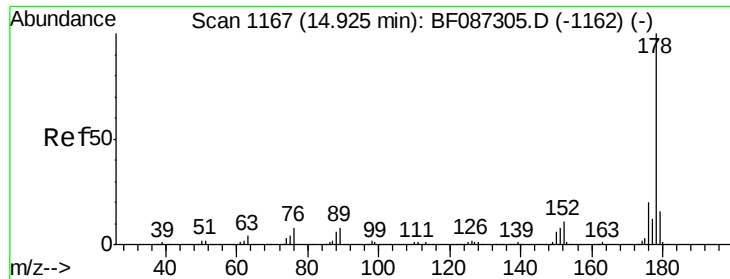
Acq: 31 May 2016 7:20

Tgt Ion:	188	Resp:	289333
Ion Ratio	Lower	Upper	
188	100		
94	8.5	6.8	10.2
80	9.2	7.1	10.7



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





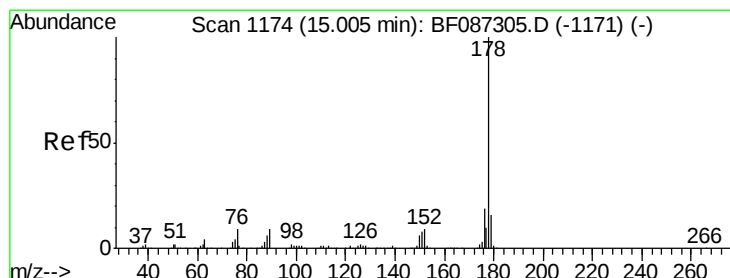
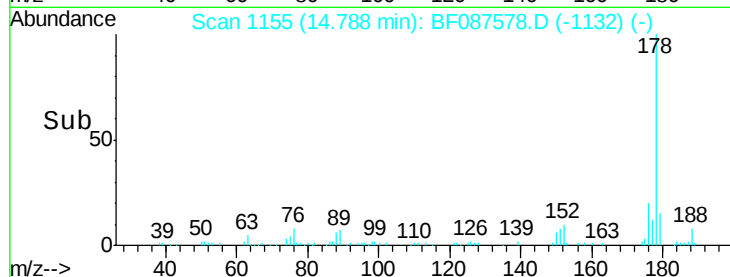
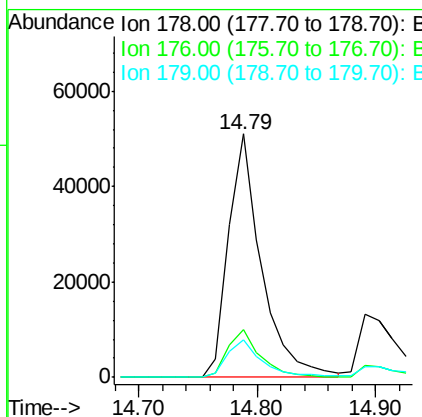
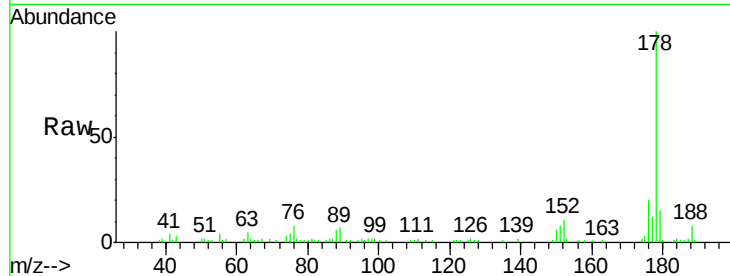
#70
Phenanthrene
Concen: 6.16 ng
RT: 14.79 min Scan# 1155
Delta R.T. -0.03 min
Lab File: BF087578.D
Acq: 31 May 2016 7:20

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.0	24.0
179	15.2	12.6	18.8

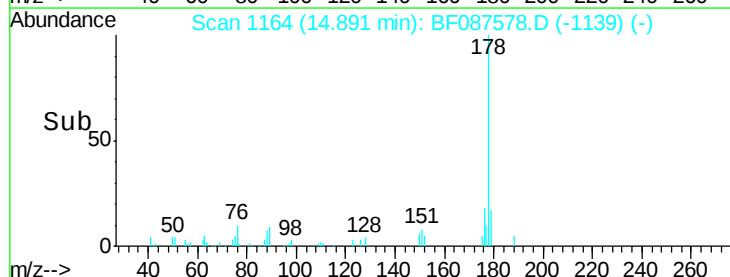
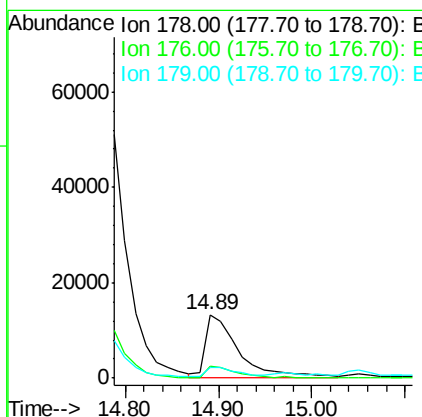
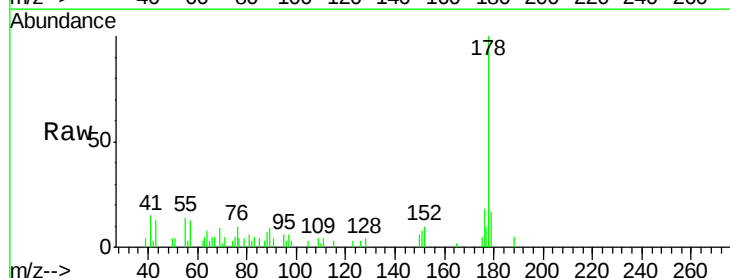
Manual Integrations
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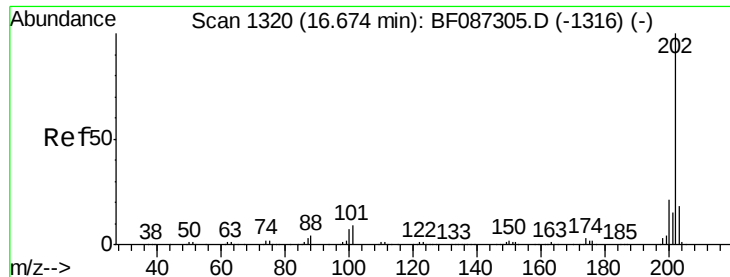
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#71
Anthracene
Concen: 2.10 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF087578.D
Acq: 31 May 2016 7:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	16.7	12.7	19.1





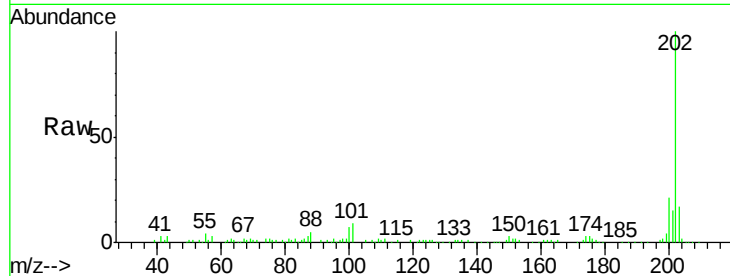
#74
Fluoranthene
Concen: 10.72 ng
RT: 16.56 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF087578.D
Acq: 31 May 2016 7:20

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

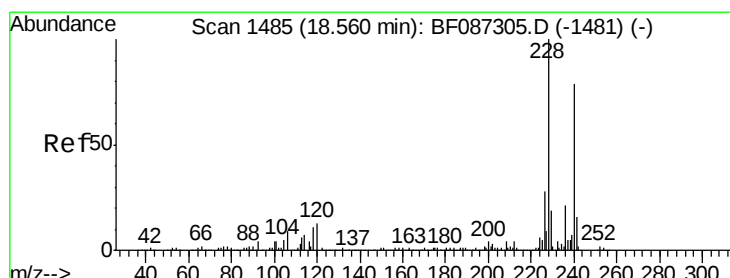
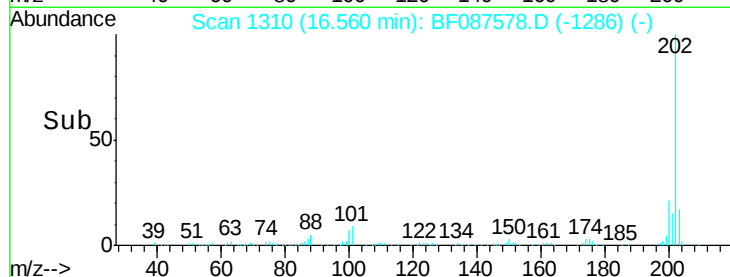
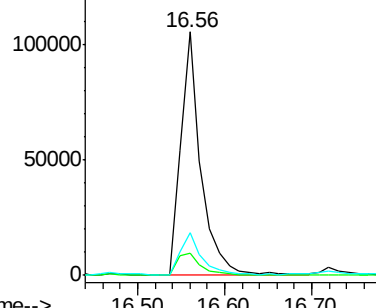
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.3	0.0	35.4
203	17.4	0.0	38.1

Manual Integrations
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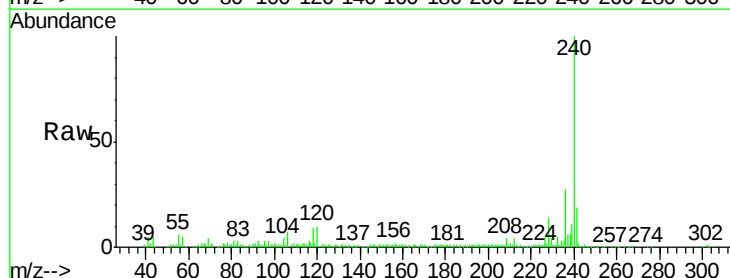


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

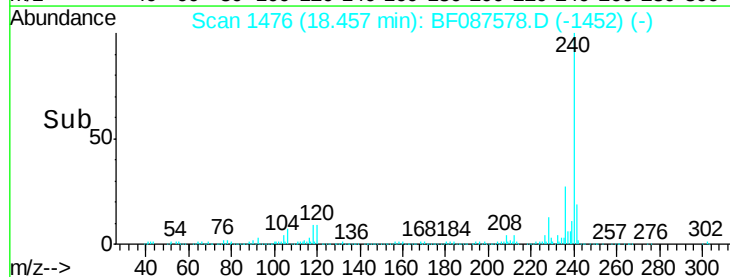
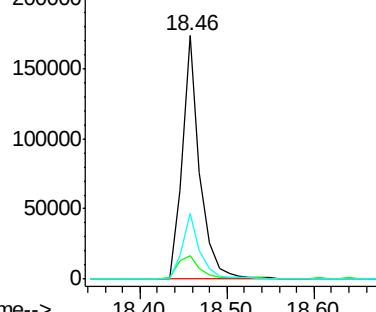


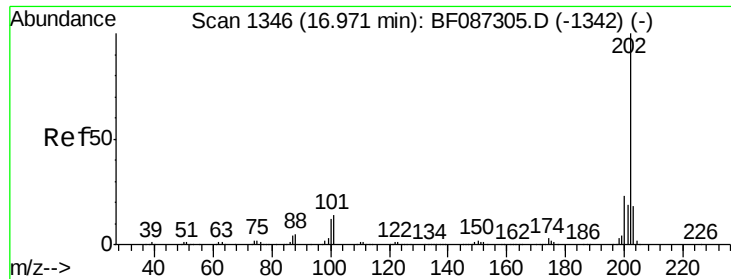
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.46 min Scan# 1476
Delta R.T. -0.02 min
Lab File: BF087578.D
Acq: 31 May 2016 7:20

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.5	11.2	16.8#
236	27.2	21.2	31.8



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: 9.34 ng

RT: 16.86 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

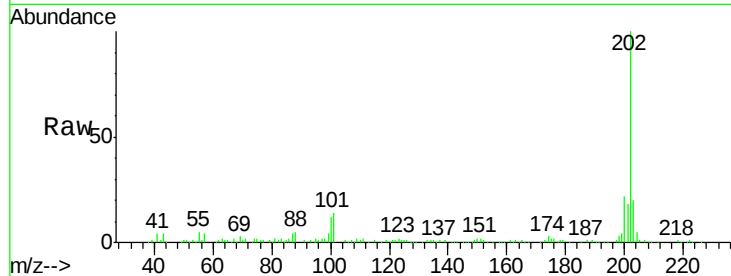
ClientSampleId :

SB-02-COMP

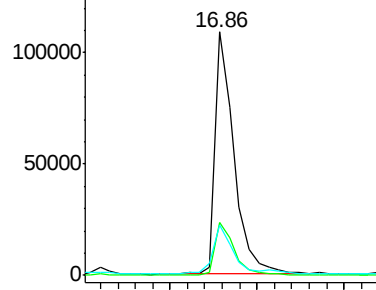
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.7	26.5
203	20.5	14.2	21.4

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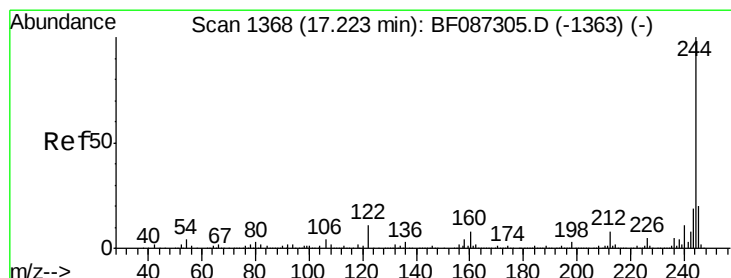
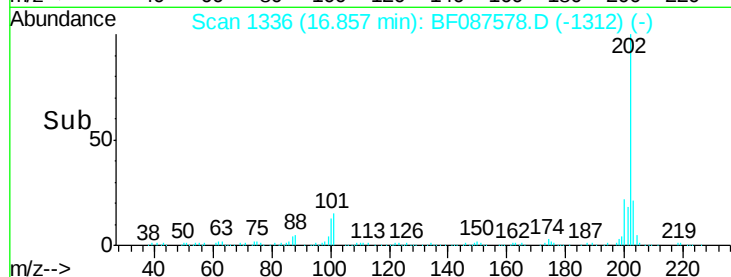
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 58.73 ng

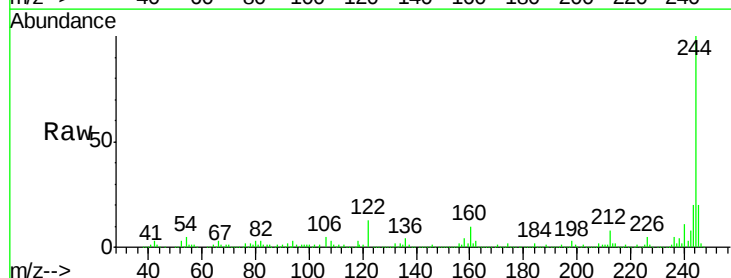
RT: 17.09 min Scan# 1356

Delta R.T. -0.05 min

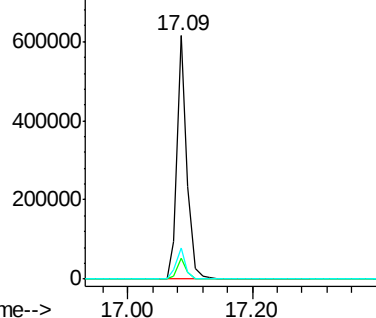
Lab File: BF087578.D

Acq: 31 May 2016 7:20

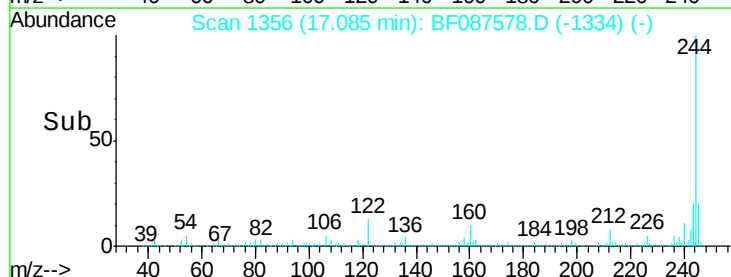
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.3	6.2	9.2
122	13.0	12.0	18.0

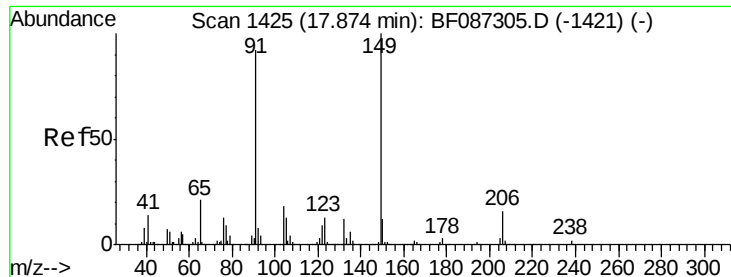


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





#79

Butylbenzylphthalate

Concen: 6.95 ng

RT: 17.75 min Scan# 1414

Delta R.T. -0.05 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

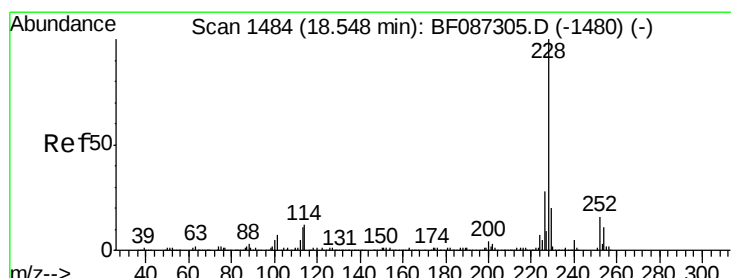
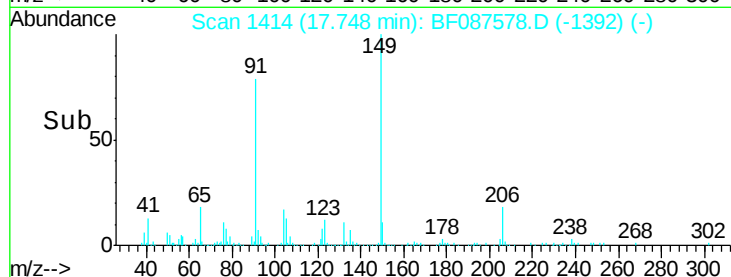
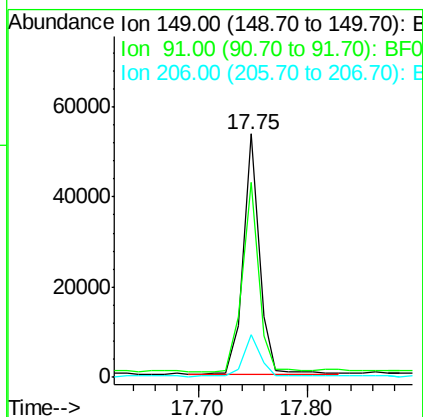
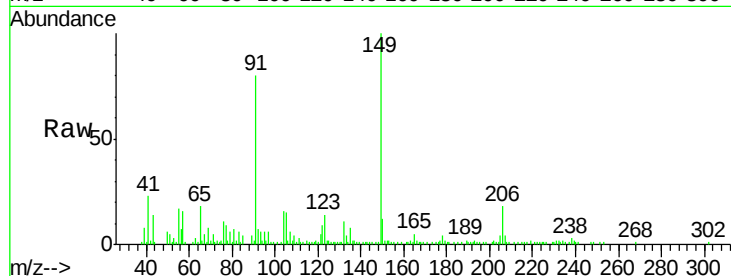
ClientSampleId :

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Tot Ion:	149	Resp:	54584
Ion Ratio	Lower	Upper	
149	100		
91	80.3	48.0	72.0#
206	17.7	15.8	23.6

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#80

Benzo(a)anthracene

Concen: 5.38 ng

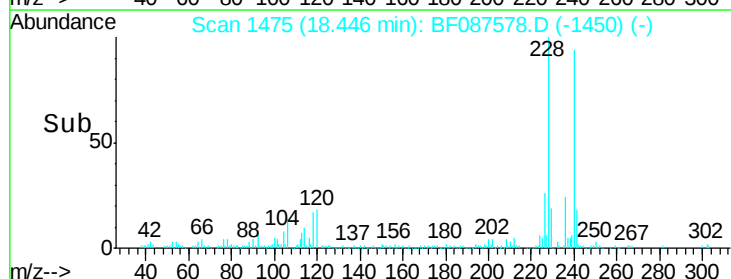
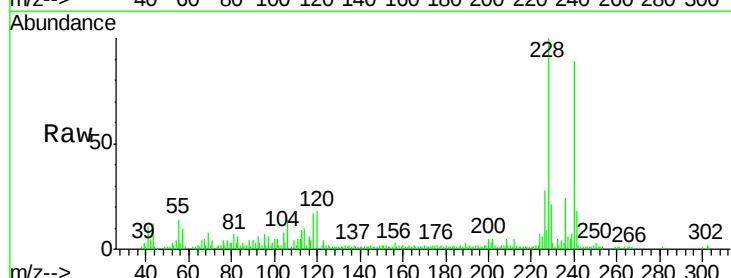
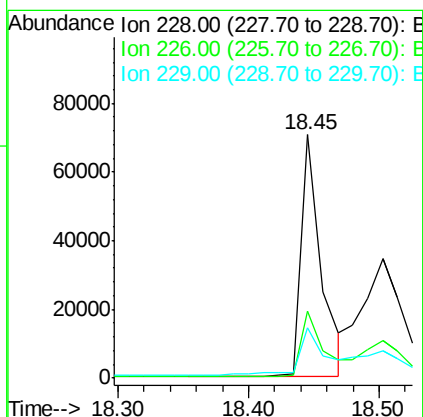
RT: 18.45 min Scan# 1475

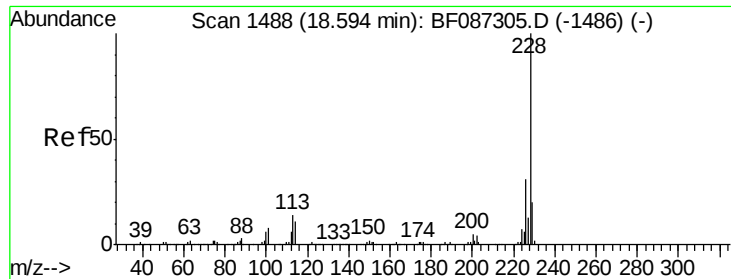
Delta R.T. -0.01 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Tgt Ion:	228	Resp:	75303
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.5	33.7
229	20.7	16.6	25.0





#82

Chrysene

Concen: 5.43 ng

RT: 18.50 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

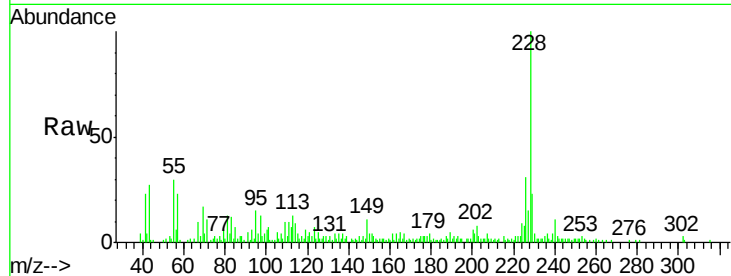
ClientSampleId :

SB-02-COMP

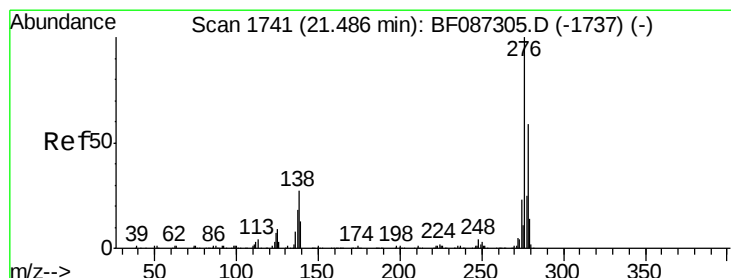
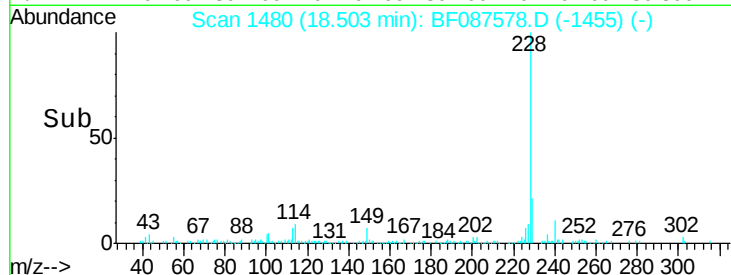
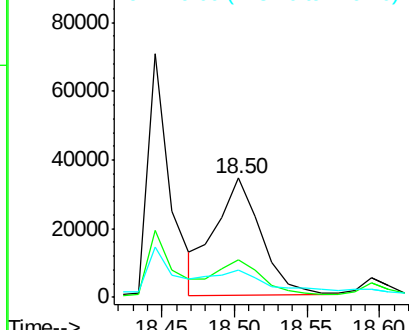
Tot Ion:	228	Resp:	75439
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.4	36.6
229	23.4	15.8	23.8

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.40 ng m

RT: 21.47 min Scan# 1740

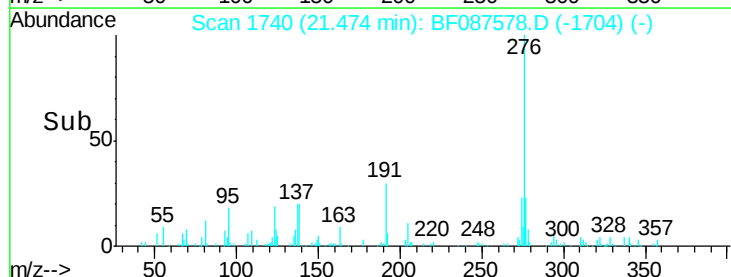
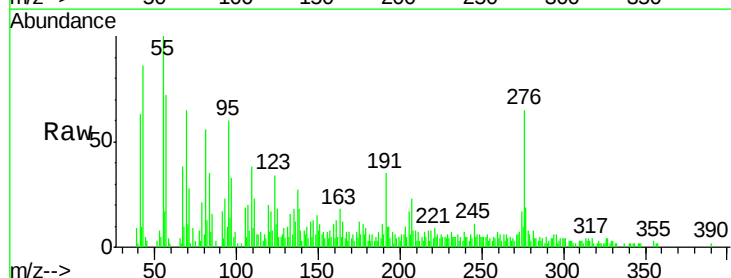
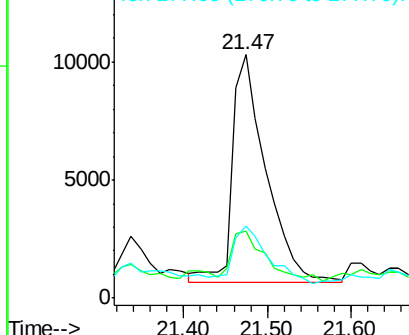
Delta R.T. 0.11 min

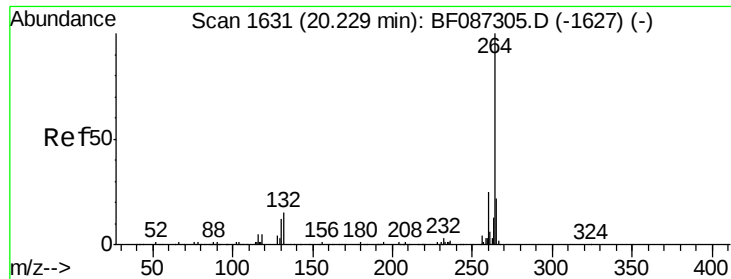
Lab File: BF087578.D

Acq: 31 May 2016 7:20

Tgt Ion:	276	Resp:	26671
Ion Ratio	Lower	Upper	
276	100		
138	6.7	25.6	38.4#
277	11.4	20.5	30.7#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.15 min Scan# 1624

Delta R.T. 0.01 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

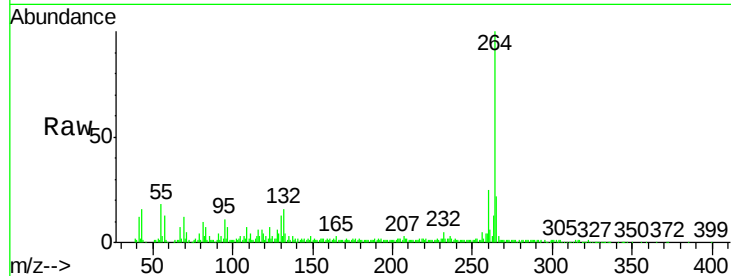
ClientSampleId :

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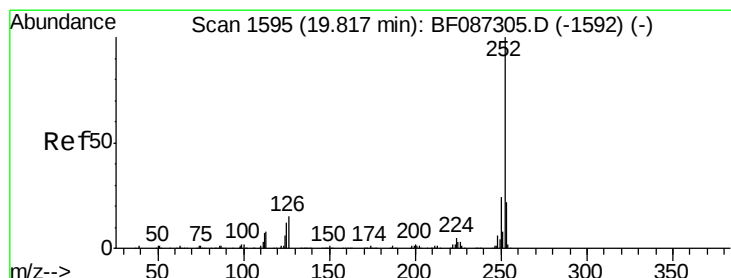
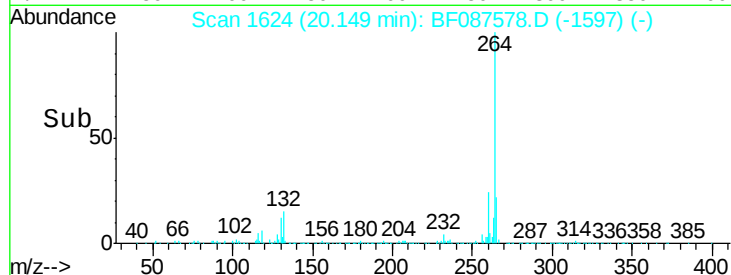
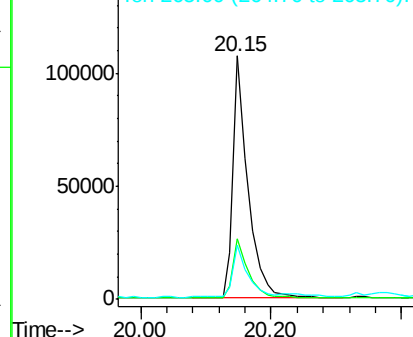
Tot Ion:	264	Resp:	170198
Ion Ratio		Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.3	17.3	25.9

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 6.70 ng m

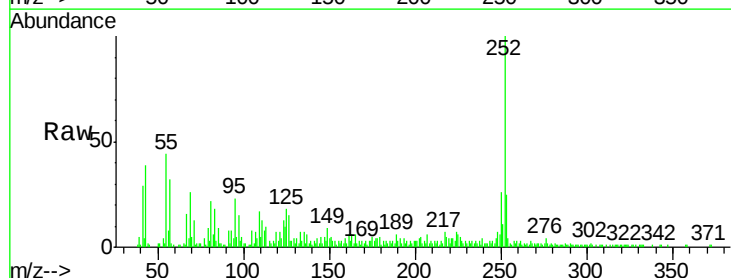
RT: 19.75 min Scan# 1589

Delta R.T. 0.02 min

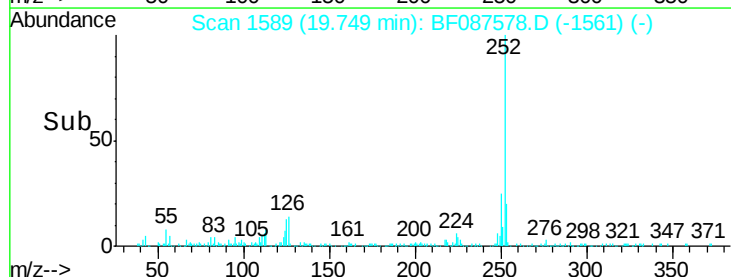
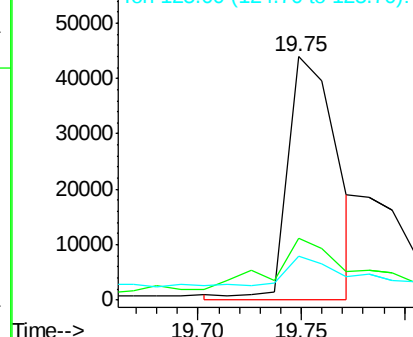
Lab File: BF087578.D

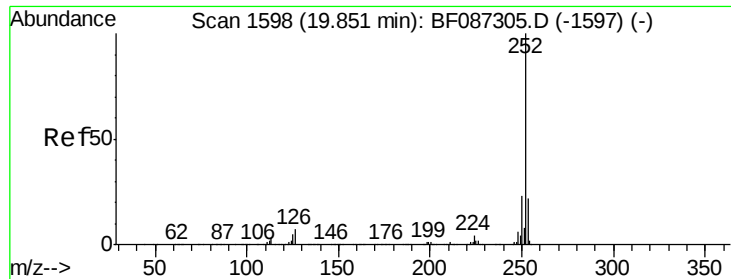
Acq: 31 May 2016 7:20

Tgt Ion:	252	Resp:	72599
Ion Ratio		Lower	Upper
252	100		
253	25.3	17.8	26.6
125	18.3	11.4	17.0#



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





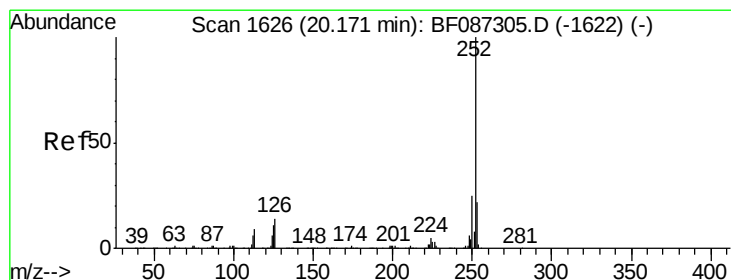
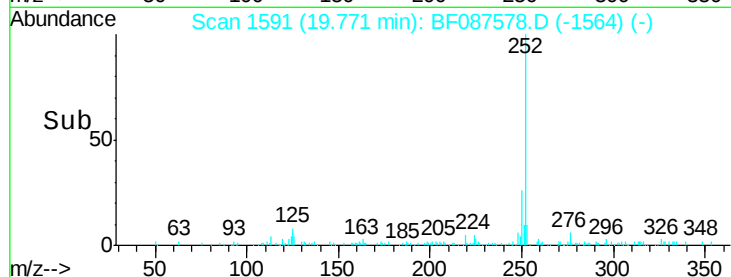
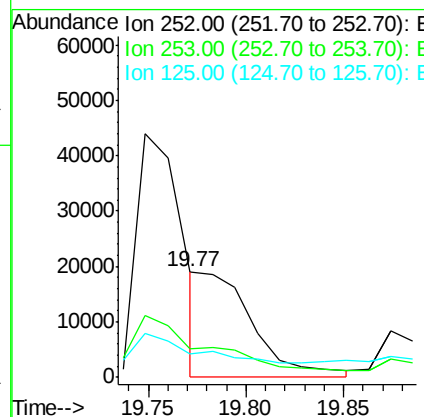
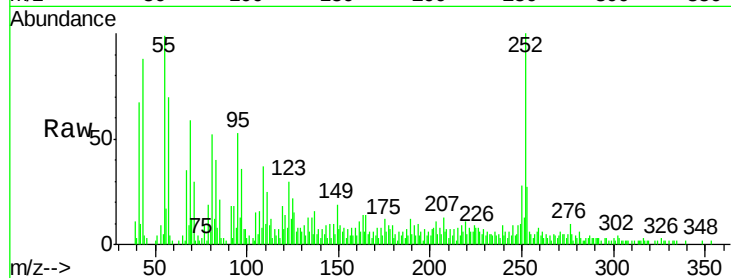
#88
Benzo(k)fluoranthene
Concen: 3.72 ng/ml
RT: 19.77 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF087578.D
Acq: 31 May 2016 7:20

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.8	26.6#
125	22.5	9.1	13.7#

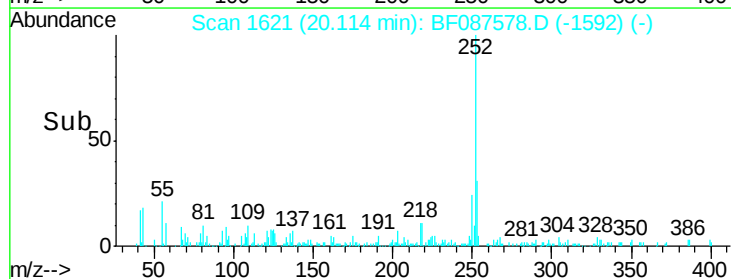
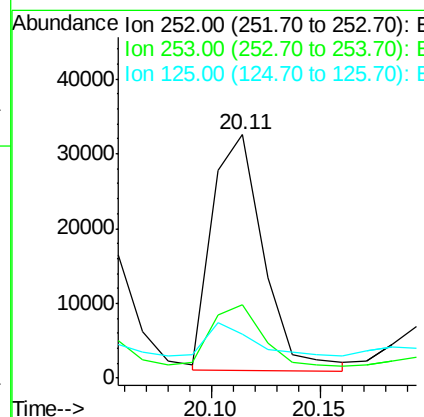
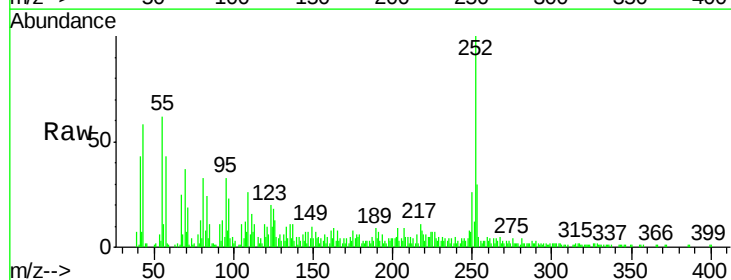
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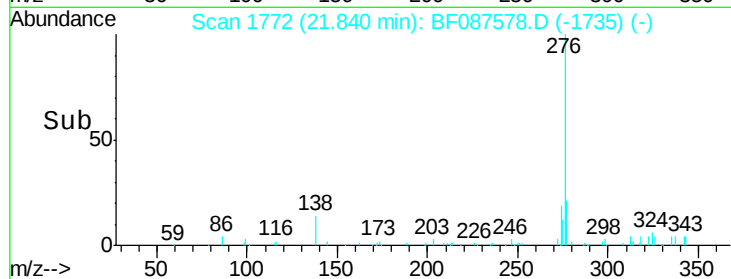
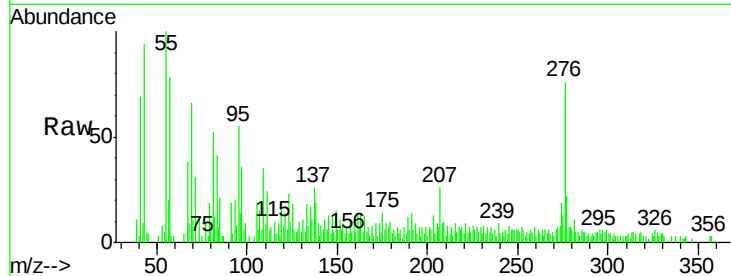
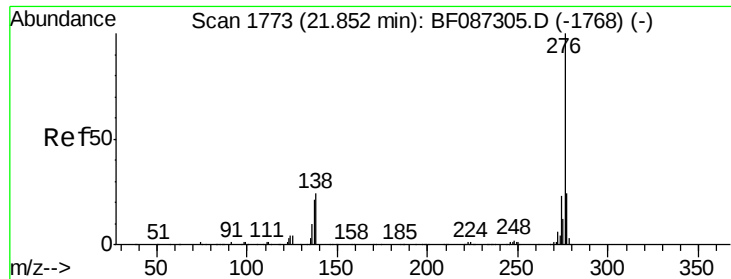
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#89
Benzo(a)pyrene
Concen: 5.52 ng/ml
RT: 20.11 min Scan# 1621
Delta R.T. 0.03 min
Lab File: BF087578.D
Acq: 31 May 2016 7:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.9	17.2	25.8#
125	18.0	9.0	13.6#





#91

Benzo(a,h,i)perylene

Concen: 3.14 ng

RT: 21.84 min Scan# 1772

Delta R.T. 0.13 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tot Ion:	276	Resp:	24747
Ion Ratio	Lower	Upper	
276	100		
277	29.1	19.6	29.4
138	24.4	23.6	35.4

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