

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
 Data File : BF087580.D
 Acq On : 31 May 2016 8:28
 Operator : UM/SJ
 Sample : H3323-06
 Misc :
 ALS Vial : 98 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

Manual Integrations
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Quant Time: May 31 14:27:56 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	126754	20.00	ng	-0.05
21) Naphthalene-d8	9.50	136	488515	20.00	ng	-0.06
38) Acenaphthene-d10	12.33	164	199086	20.00	ng	-0.06
63) Phenanthrene-d10	14.74	188	327616	20.00	ng	-0.03
75) Chrysene-d12	18.46	240	262696	20.00	ng	-0.02
86) Perylene-d12	20.15	264	190739	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	712987	98.84	ng	-0.03
7) Phenol-d6	7.04	99	956698	98.15	ng	-0.03
23) Nitrobenzene-d5	8.39	82	629376	64.93	ng	-0.06
41) 2,4,6-Tribromophenol	13.63	330	156443	81.77	ng	-0.05
44) 2-Fluorobiphenyl	11.28	172	1037308	73.45	ng	-0.06
78) Terphenyl-d14	17.09	244	738617	59.78	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	11.98	163	69351	4.35	ng	97
70) Phenanthrene	14.78	178	188553	10.39	ng	98
71) Anthracene	14.88	178	56659	3.09	ng	99
74) Fluoranthene	16.55	202	347109	19.07	ng	93
77) Pyrene	16.86	202	311636	16.48	ng	98
79) Butylbenzylphthalate	17.75	149	26163	3.12	ng	# 73
80) Benzo(a)anthracene	18.45	228	141412	9.46	ng	99
82) Chrysene	18.49	228	130332	8.79	ng	99
83) Bis(2-ethylhexyl)phthalate	18.49	149	32052	2.62	ng	98
85) Indeno(1,2,3-cd)pyrene	21.44	276	50532m	4.25	ng	
87) Benzo(b)fluoranthene	19.74	252	129624m	10.67	ng	
88) Benzo(k)fluoranthene	19.76	252	57548m	5.50	ng	
89) Benzo(a)pyrene	20.10	252	96789	9.21	ng	93
91) Benzo(a,h,i)perylene	21.81	276	46713	5.28	ng	94

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

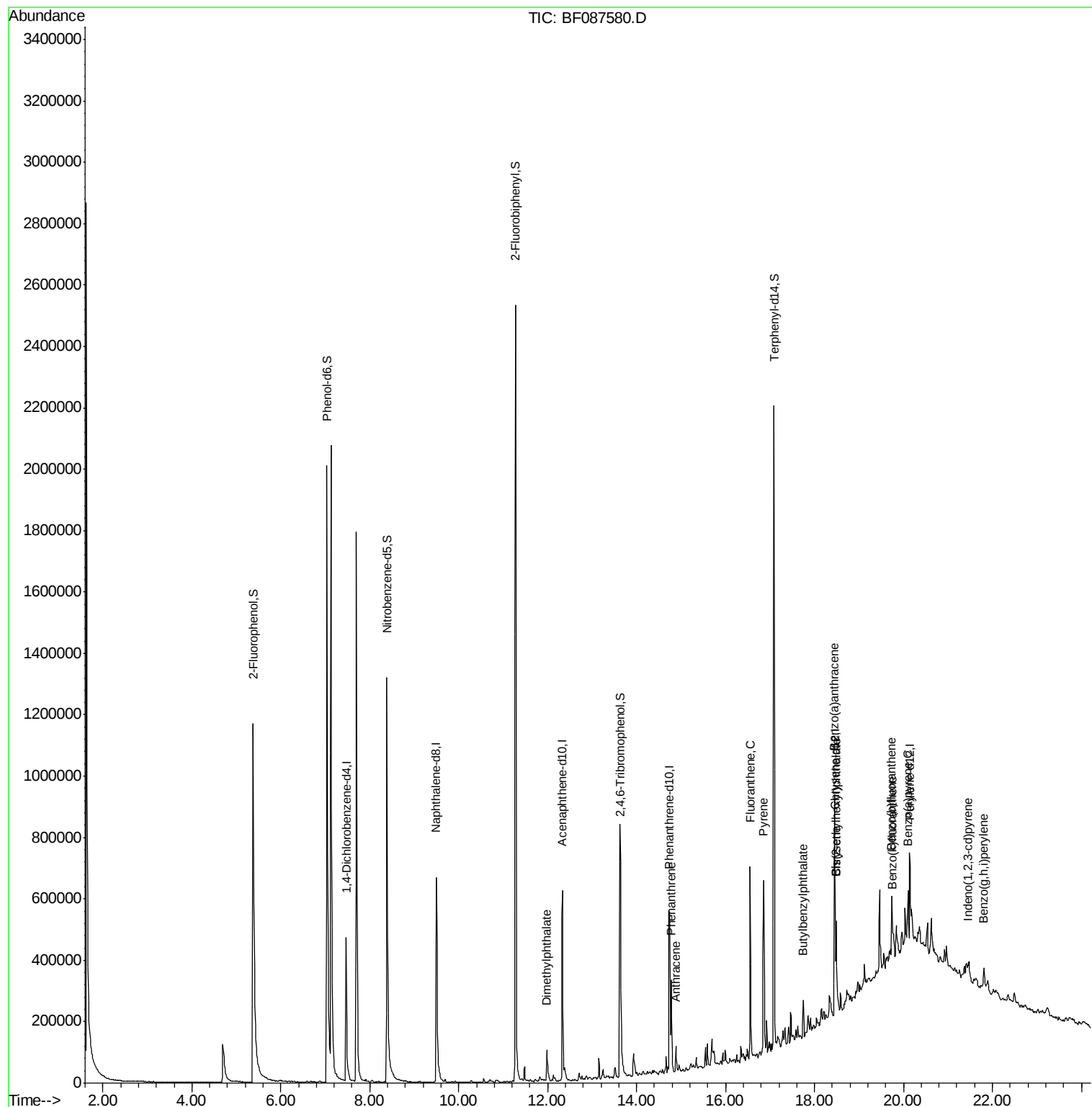
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087580.D
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ALS Vial : 98 Sample Multiplier: 1

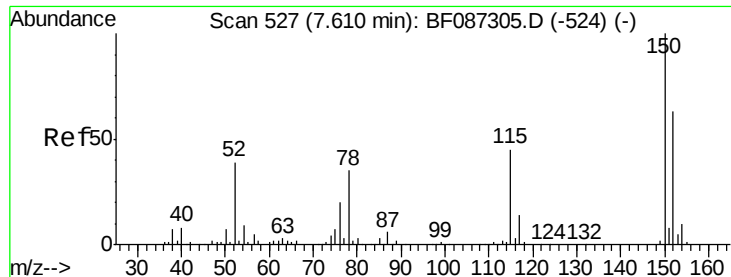
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
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#1

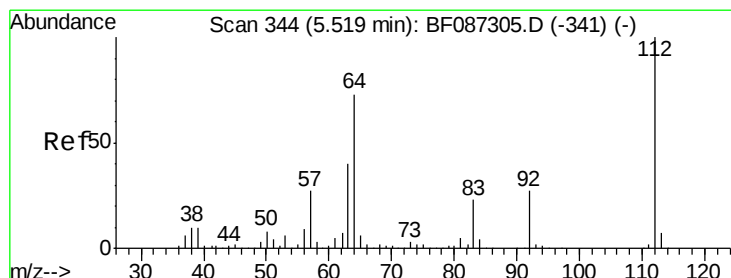
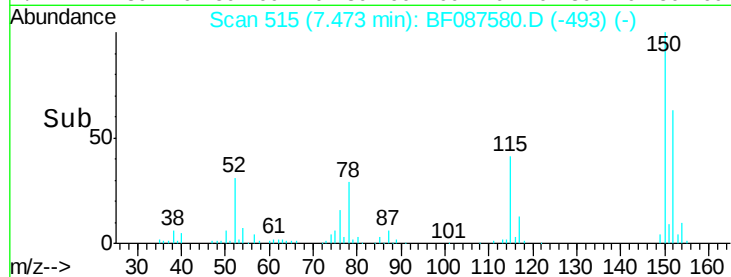
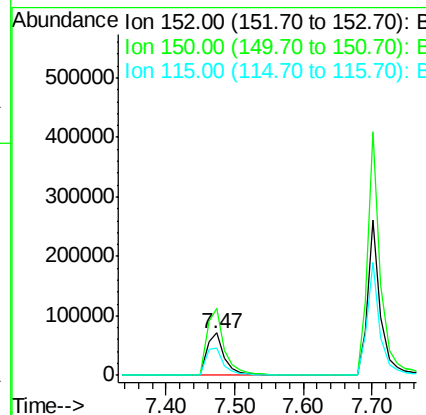
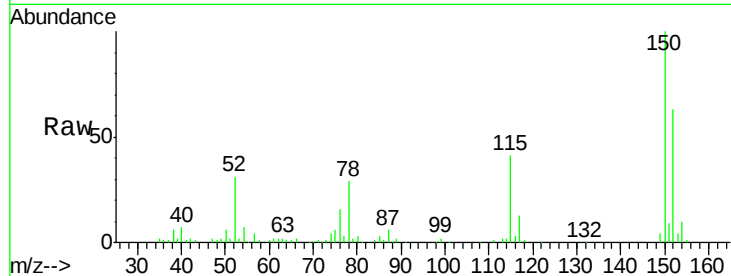
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.47 min Scan# 515
Delta R.T. -0.05 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	125.8	188.6
115	64.3	51.5	77.3

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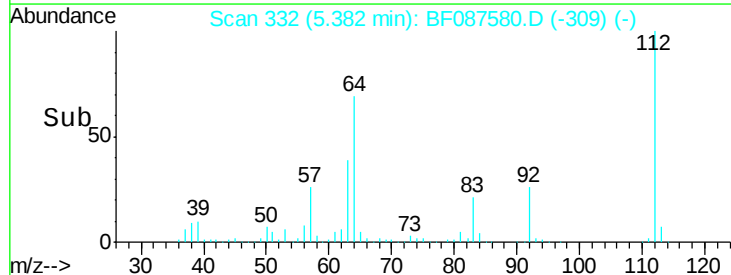
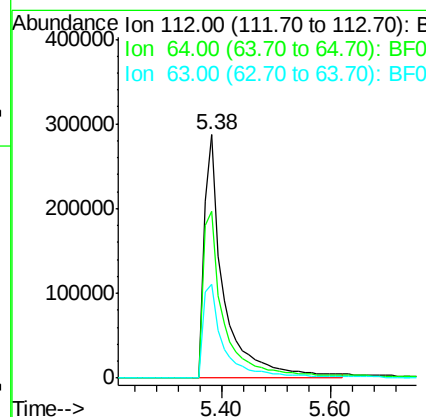
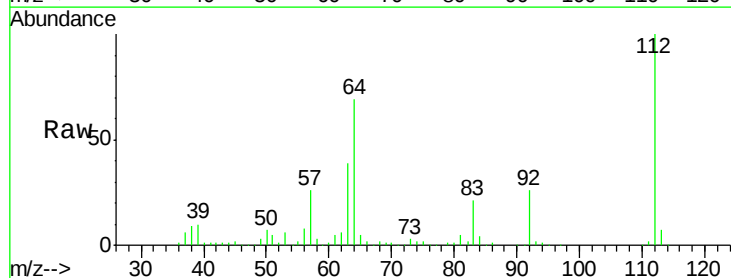
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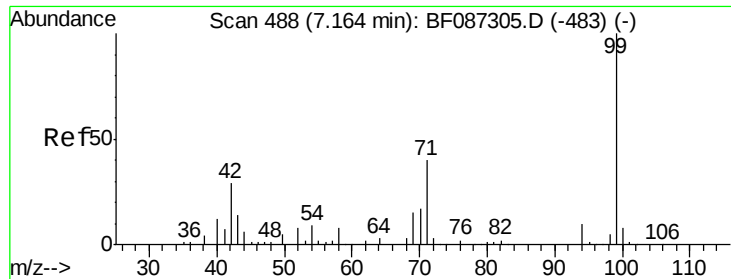


#5

2-Fluorophenol
Concen: 98.84 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.03 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	52.1	78.1
63	38.6	25.7	38.5





#7

Phenol-d6

Concen: 98.15 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

Tot Ion: 99 Resp: 95698
Ion Ratio Lower Upper

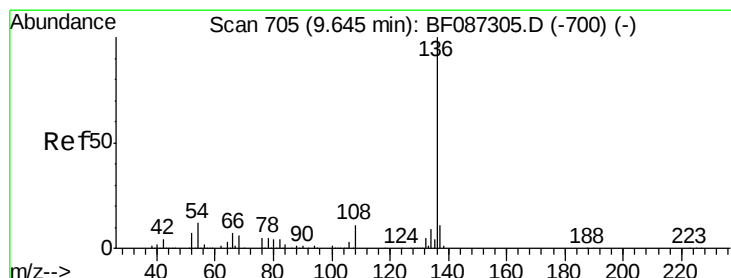
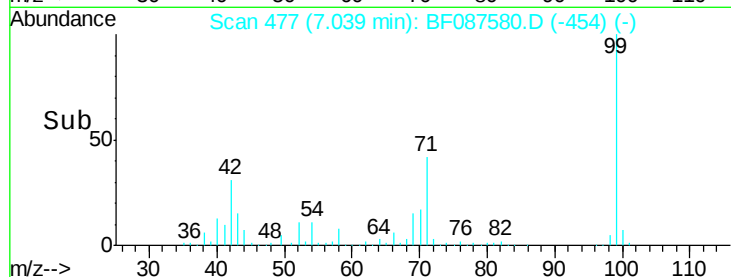
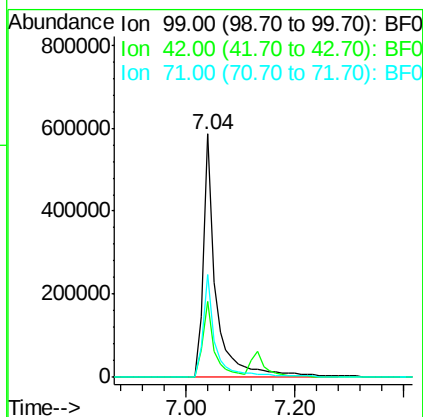
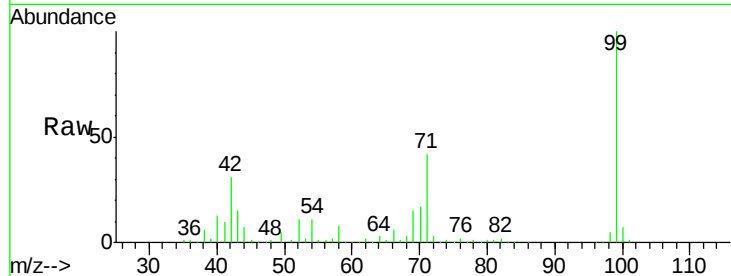
99 100

42 31.0 13.6 20.4#

71 42.4 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.06 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

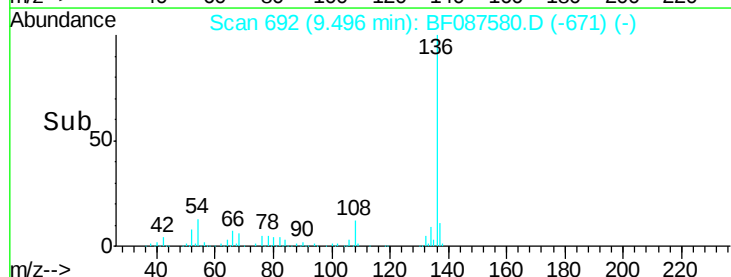
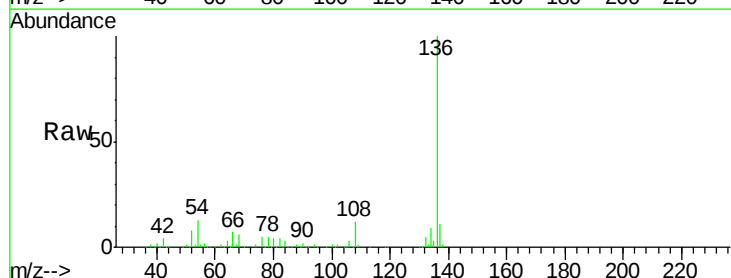
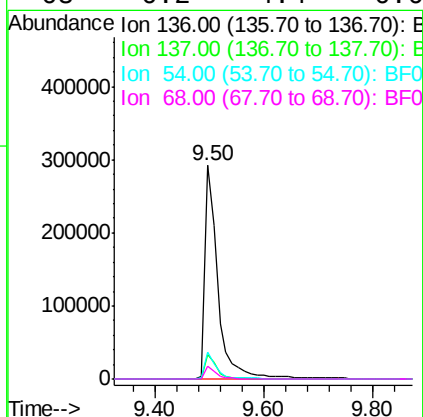
Tgt Ion: 136 Resp: 488515
Ion Ratio Lower Upper

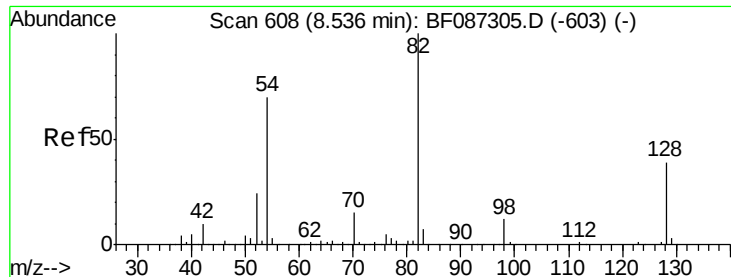
136 100

137 11.2 8.8 13.2

54 12.8 5.0 7.4#

68 6.2 4.4 6.6





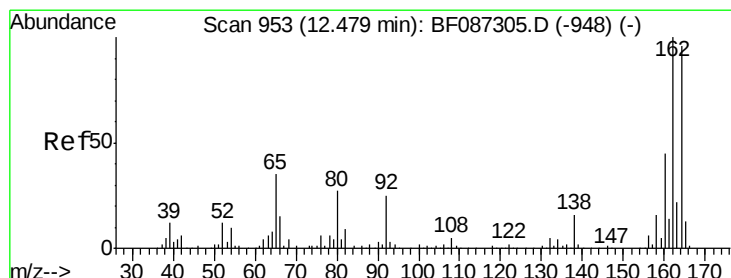
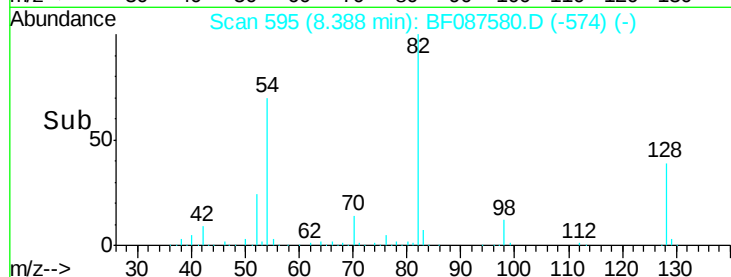
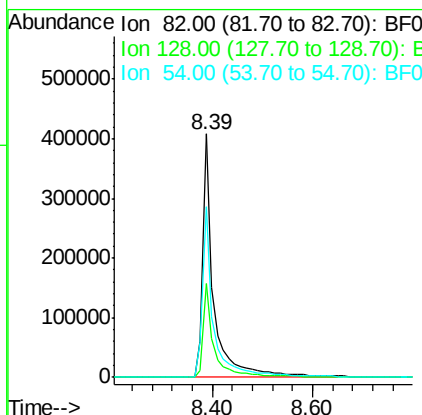
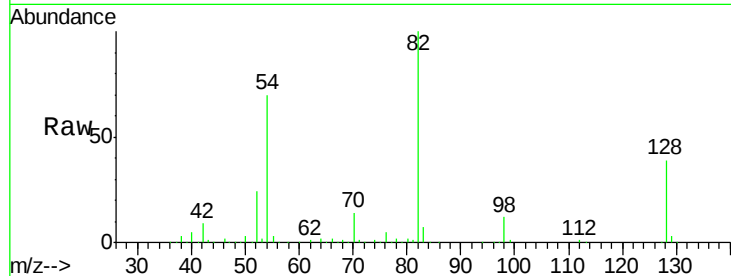
#23
 Nitrobenzene-d5
 Concen: 64.93 ng
 RT: 8.39 min Scan# 595
 Delta R.T. -0.06 min
 Lab File: BF087580.D
 Acq: 31 May 2016 8:28

Instrument :
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 ClientSampleId :
 SB-04-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100	629376		
128	38.6		40.6	61.0#
54	70.2		38.1	57.1#

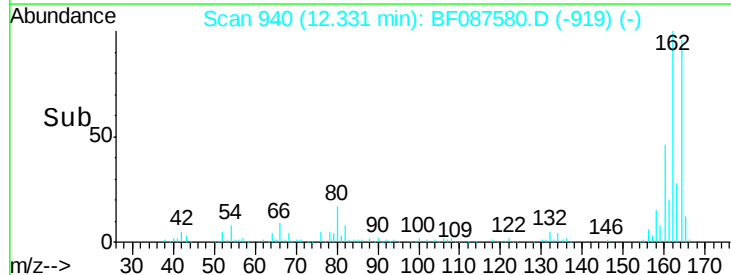
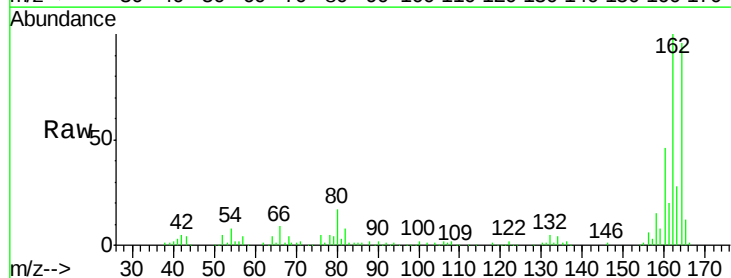
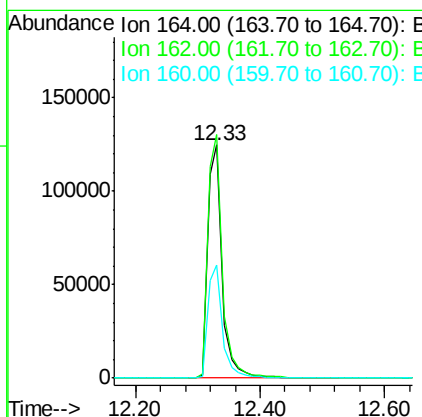
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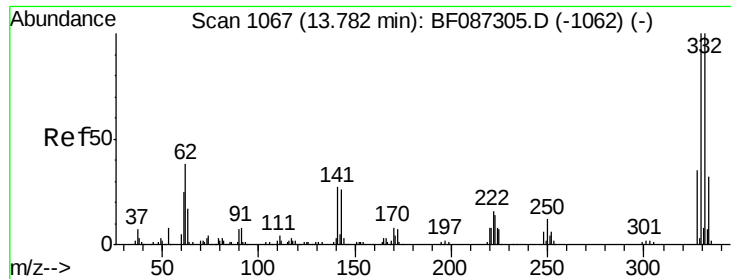
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.33 min Scan# 940
 Delta R.T. -0.06 min
 Lab File: BF087580.D
 Acq: 31 May 2016 8:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	199086		
162	104.5		82.8	124.2
160	48.4		36.9	55.3





#41

2,4,6-Tribromophenol

Concen: 81.77 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.05 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

Instrument :

BNA_F

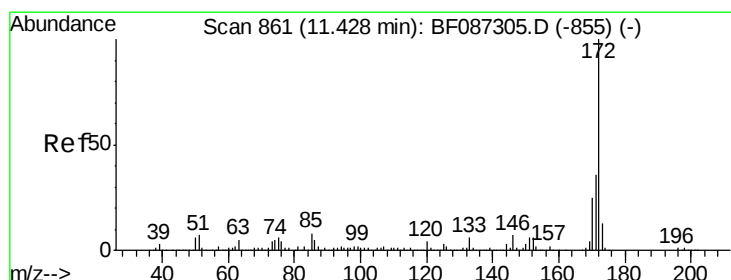
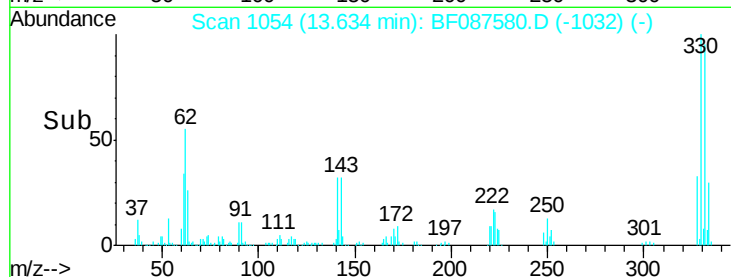
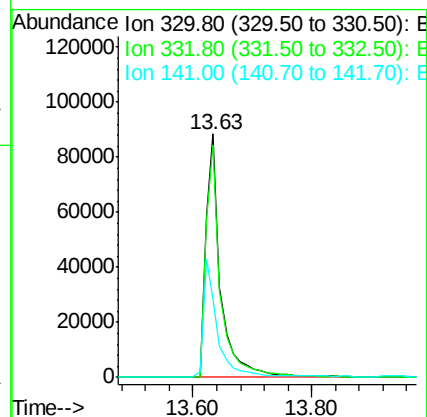
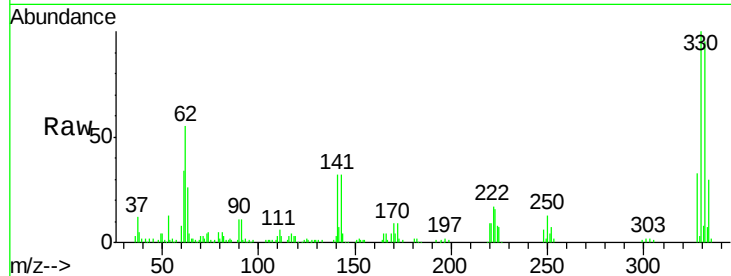
ClientSampleId :

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Tot Ion:	330	Resp:	156443
Ion Ratio	Lower	Upper	
330	100		
332	96.4	79.0	118.4
141	46.1	31.2	46.8

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#44

2-Fluorobiphenyl

Concen: 73.45 ng

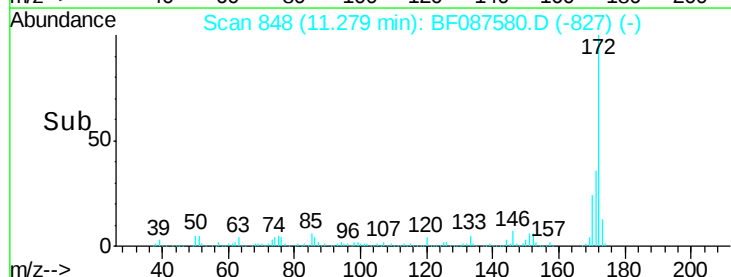
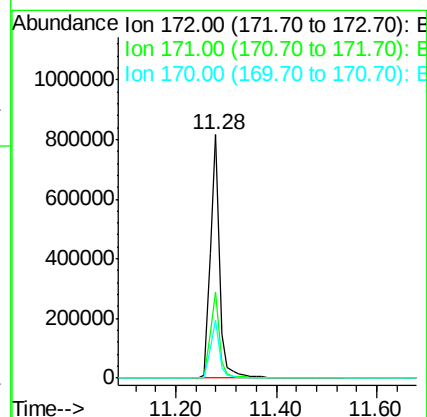
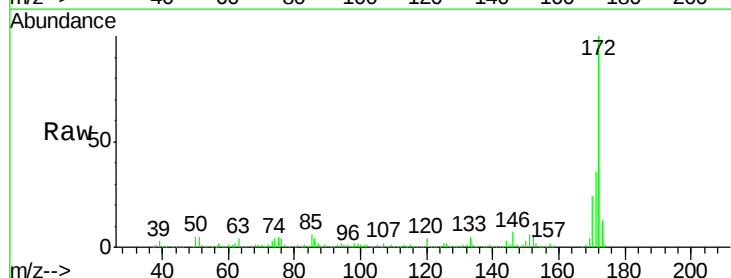
RT: 11.28 min Scan# 848

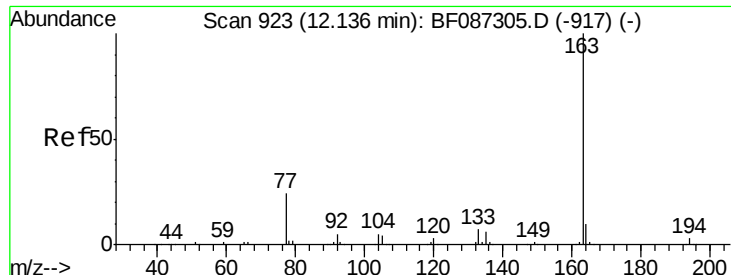
Delta R.T. -0.06 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

Tgt Ion:	172	Resp:	1037308
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.0	43.6
170	24.0	19.8	29.8





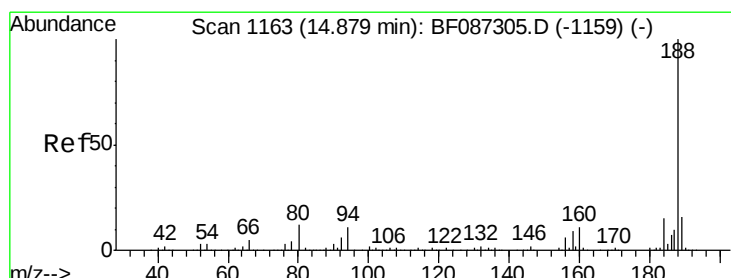
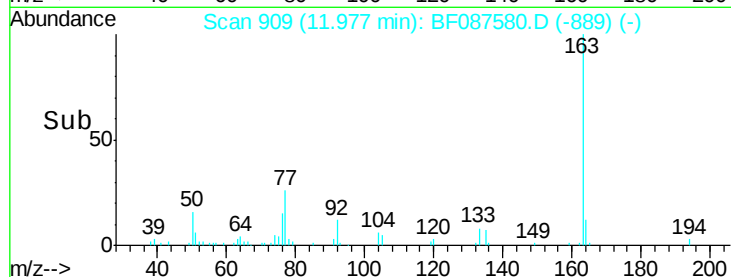
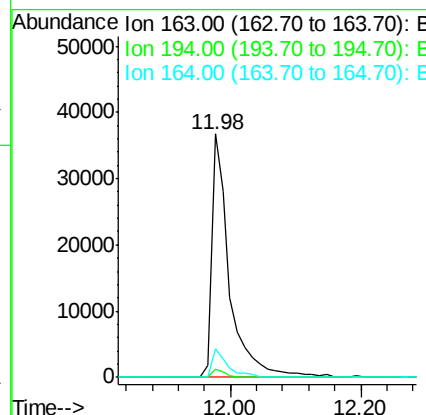
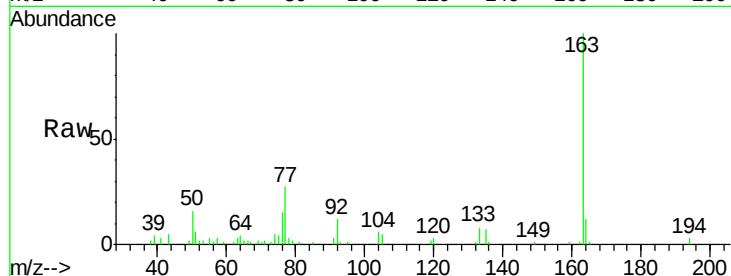
#49
Dimethylphthalate
Concen: 4.35 ng
RT: 11.98 min Scan# 909
Delta R.T. -0.07 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.3	2.6	4.0
164	11.6	8.2	12.4

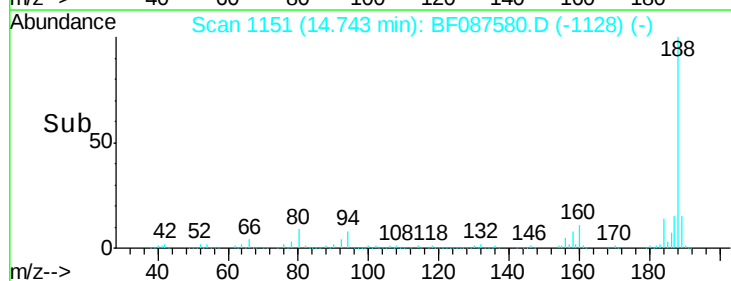
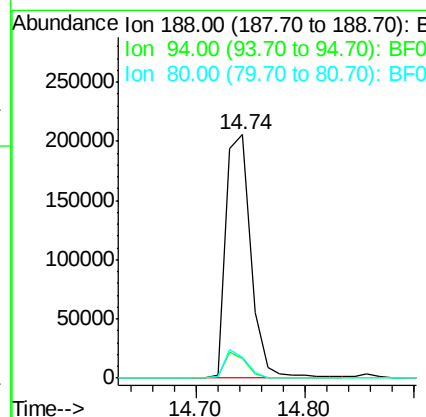
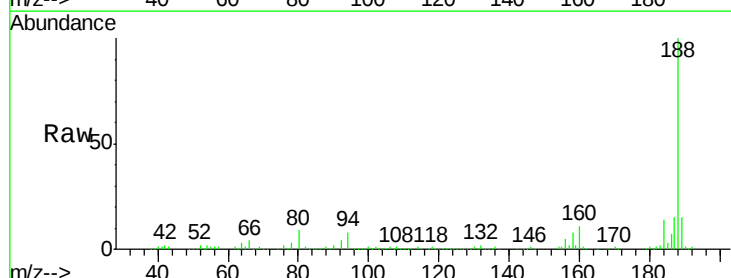
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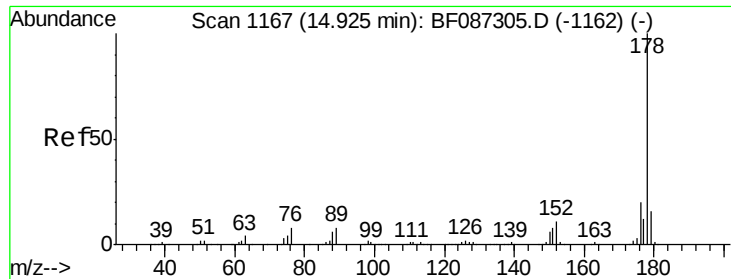
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	8.0	6.8	10.2
80	8.7	7.1	10.7





#70

Phenanthrene

Concen: 10.39 ng

RT: 14.78 min Scan# 1154

Delta R.T. -0.05 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

Instrument :

BNA_F

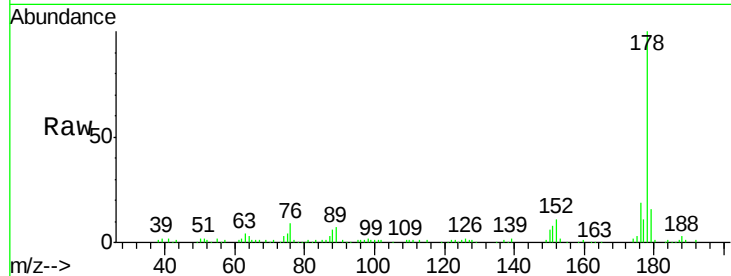
ClientSampleId :

SB-04-COMP

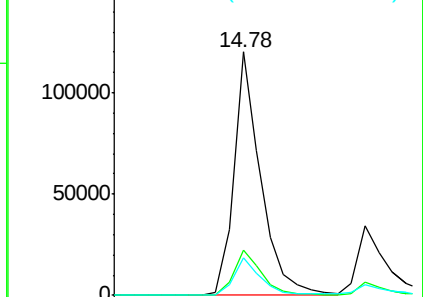
Tot Ion:	178	Resp:	188553
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.0	24.0
179	15.6	12.6	18.8

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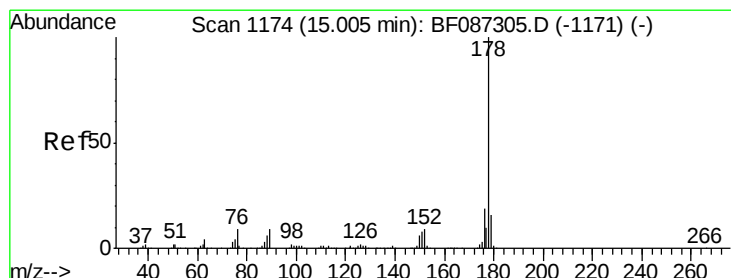
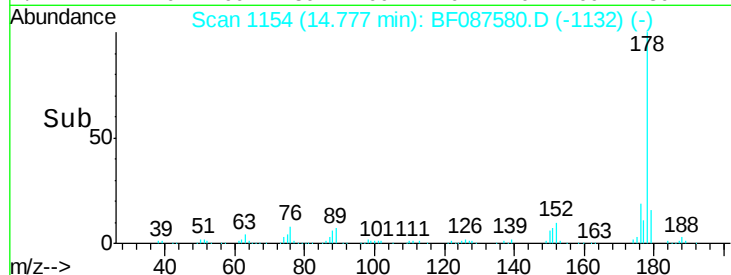
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 3.09 ng

RT: 14.88 min Scan# 1163

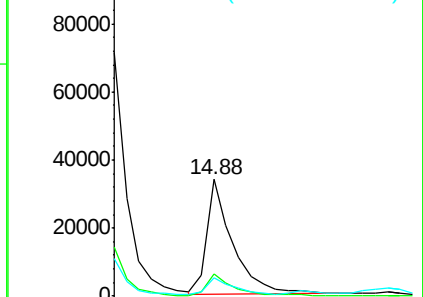
Delta R.T. -0.02 min

Lab File: BF087580.D

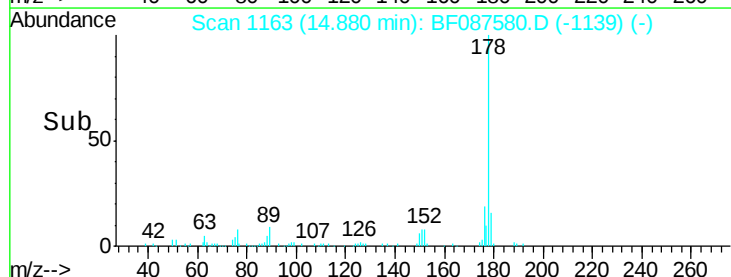
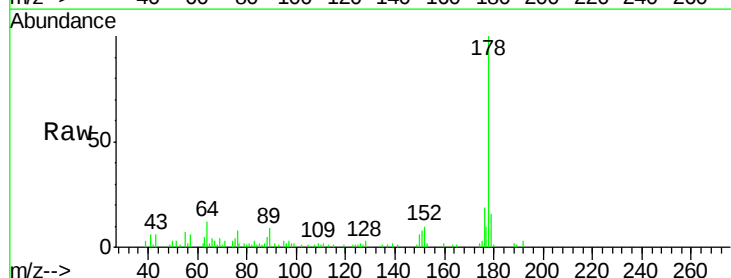
Acq: 31 May 2016 8:28

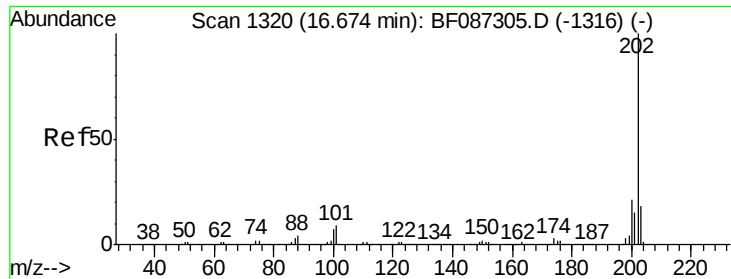
Tgt Ion:	178	Resp:	56659
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.6	23.4
179	16.2	12.7	19.1

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 19.07 ng

RT: 16.55 min Scan# 1309

Delta R.T. -0.03 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

Instrument :

BNA_F

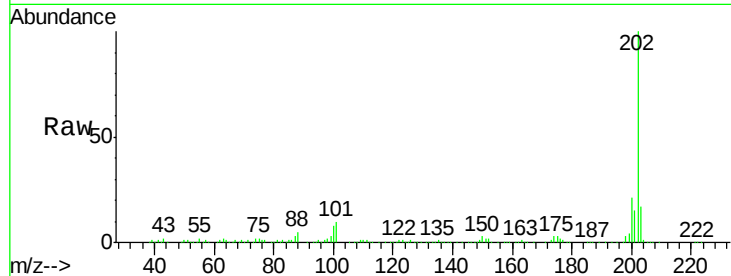
ClientSampleId :

SB-04-COMP

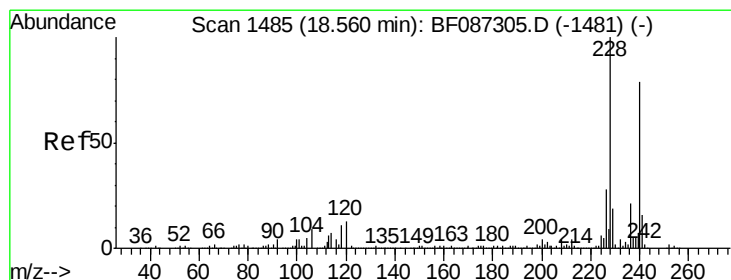
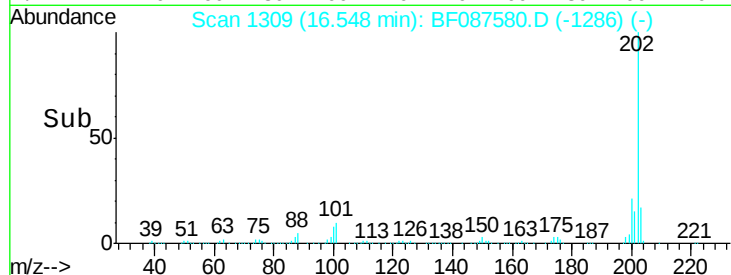
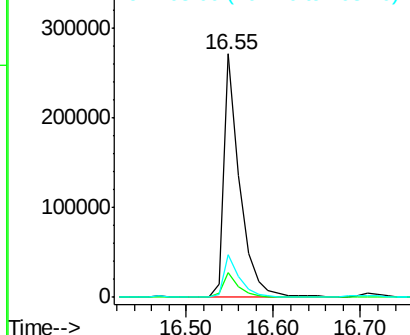
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.0	0.0	35.4
203	17.3	0.0	38.1

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

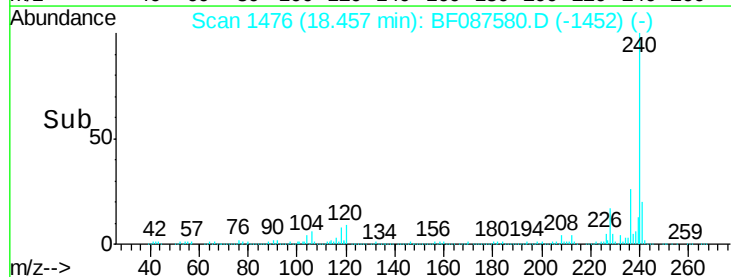
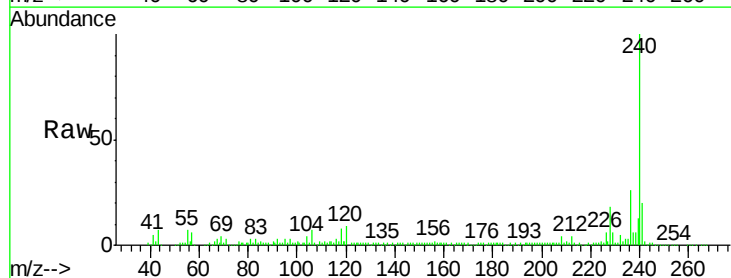
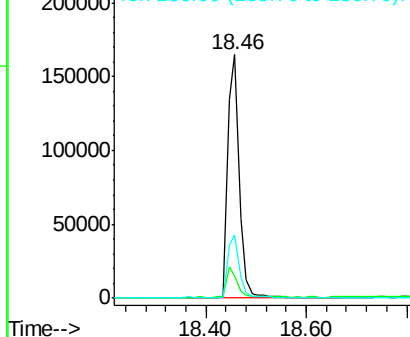
Delta R.T. -0.02 min

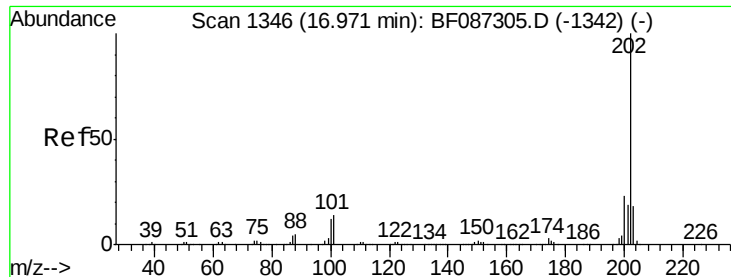
Lab File: BF087580.D

Acq: 31 May 2016 8:28

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.2	11.2	16.8#
236	26.0	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: 16.48 ng

RT: 16.86 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF087580.D

Acq: 31 May 2016 8:28

Instrument :

BNA_F

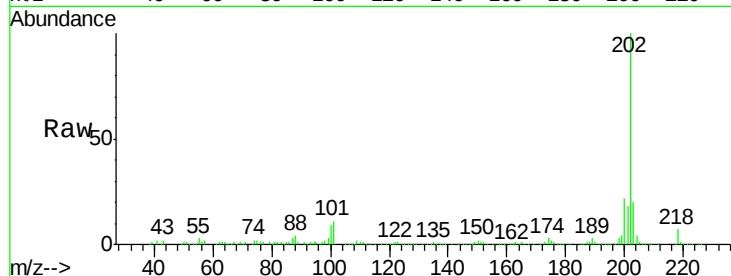
ClientSampleId :

SB-04-COMP

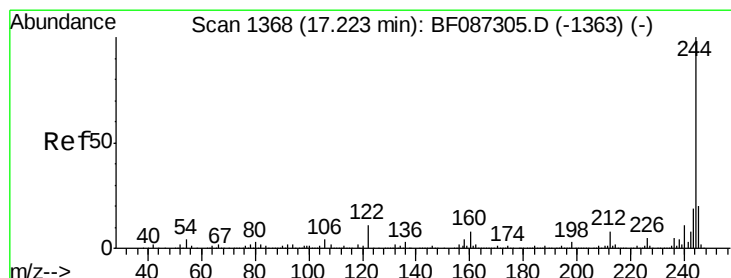
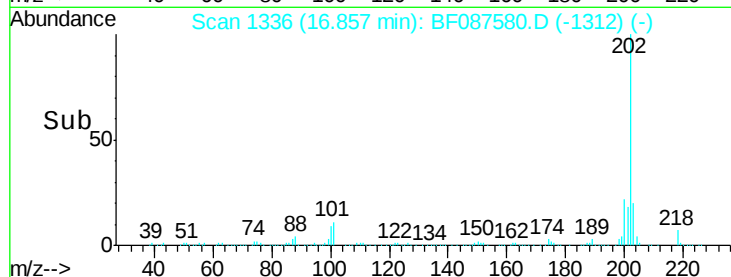
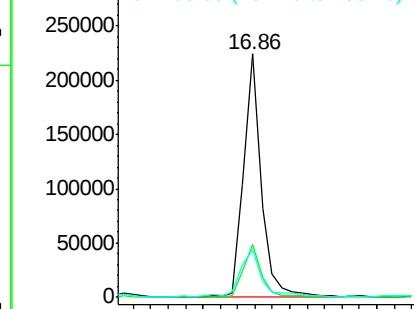
Tot Ion:	202	Resp:	311636
Ion Ratio		Lower	Upper
202	100		
200	22.0	17.7	26.5
203	19.6	14.2	21.4

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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: 59.78 ng

RT: 17.09 min Scan# 1356

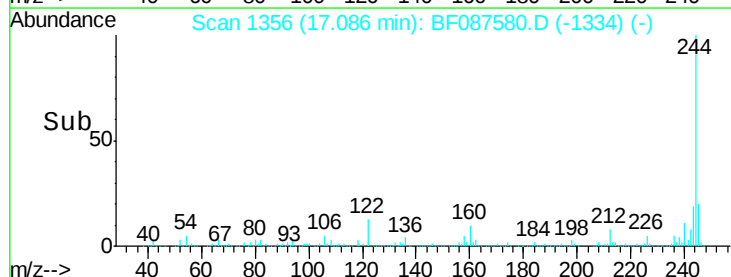
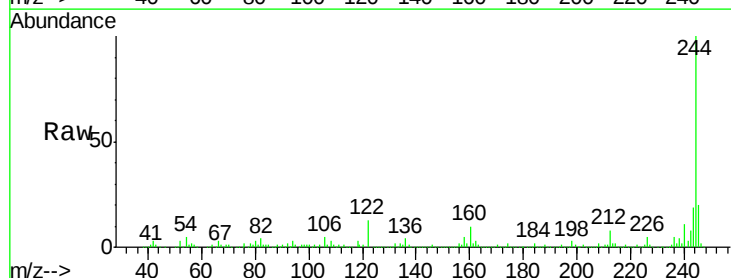
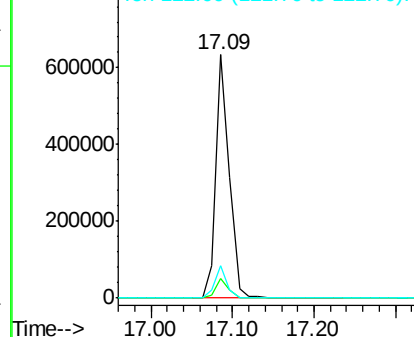
Delta R.T. -0.05 min

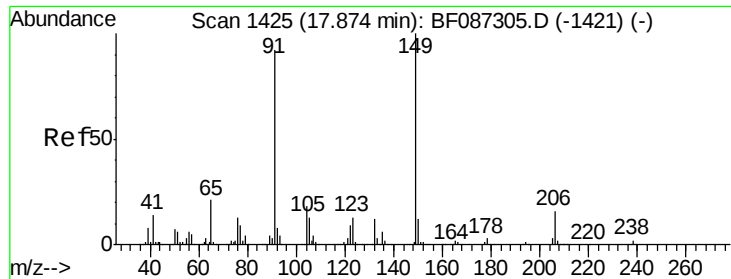
Lab File: BF087580.D

Acq: 31 May 2016 8:28

Tgt Ion:	244	Resp:	738617
Ion Ratio		Lower	Upper
244	100		
212	8.2	6.2	9.2
122	13.4	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





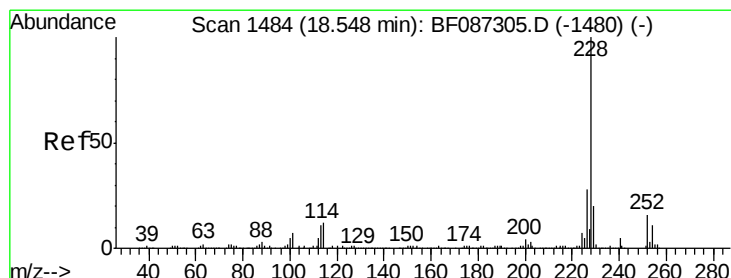
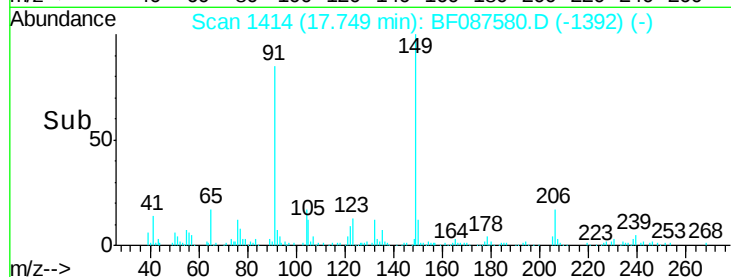
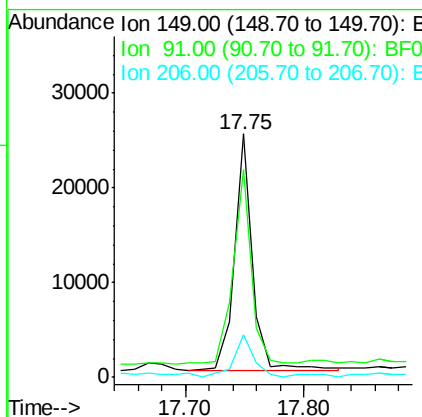
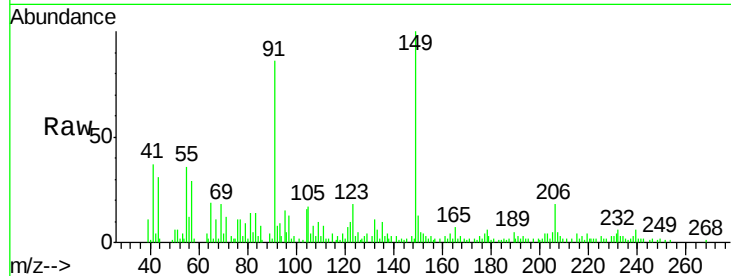
#79
Butylbenzylphthalate
Concen: 3.12 ng
RT: 17.75 min Scan# 1414
Delta R.T. -0.05 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Resp	Lower	Upper
149	100	26163		
91	85.5	48.0	72.0	#
206	17.6	15.8	23.6	

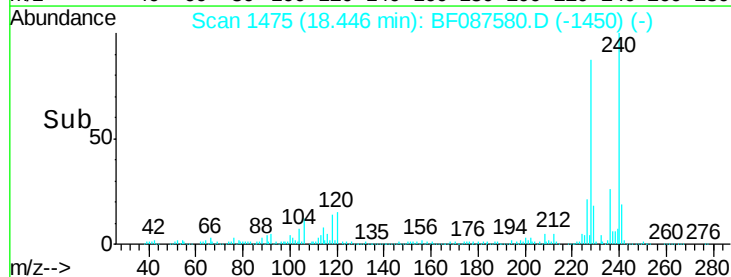
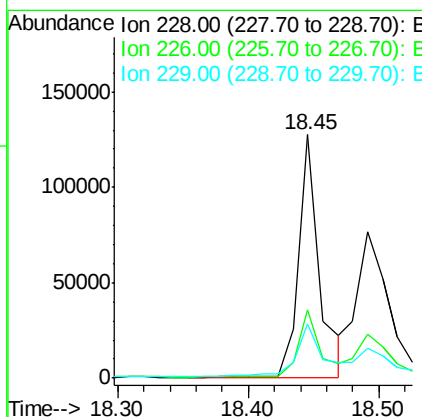
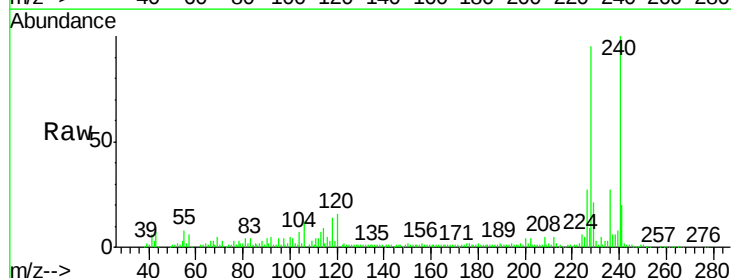
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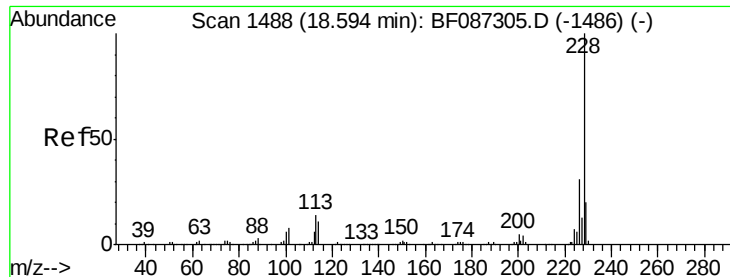
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#80
Benzo(a)anthracene
Concen: 9.46 ng
RT: 18.45 min Scan# 1475
Delta R.T. -0.01 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	141412		
226	28.0	22.5	33.7	
229	22.2	16.6	25.0	





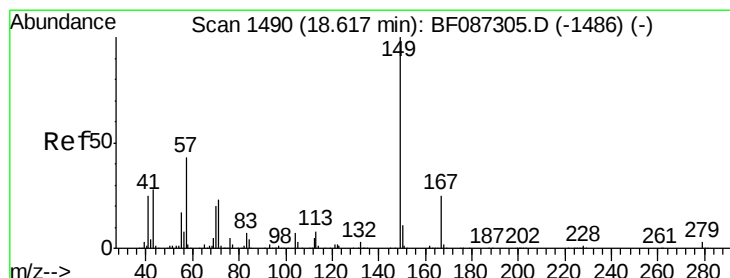
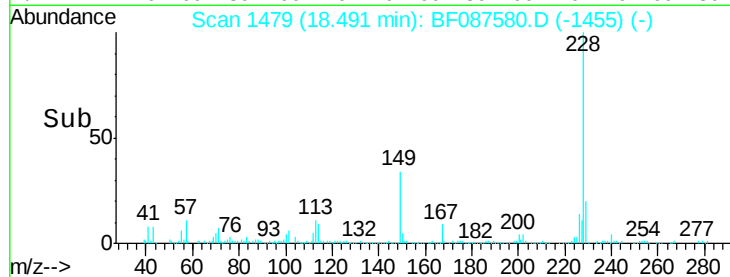
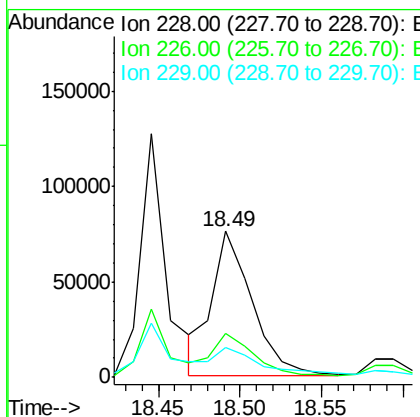
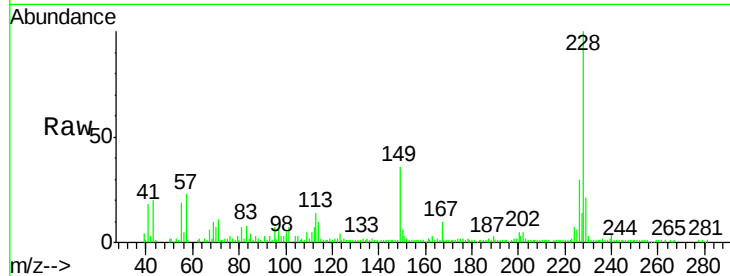
#82
 Chrysene
 Concen: 8.79 ng
 RT: 18.49 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: BF087580.D
 Acq: 31 May 2016 8:28

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

Tot Ion:	228	Resp:	130332
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.4	36.6
229	20.9	15.8	23.8

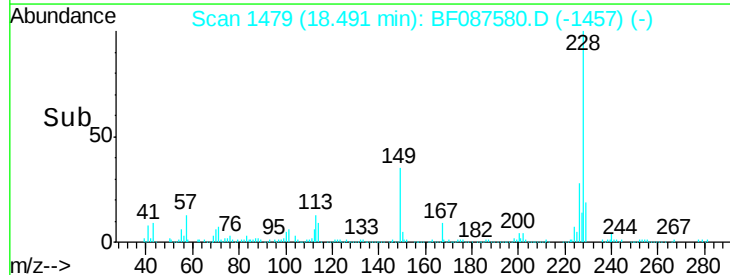
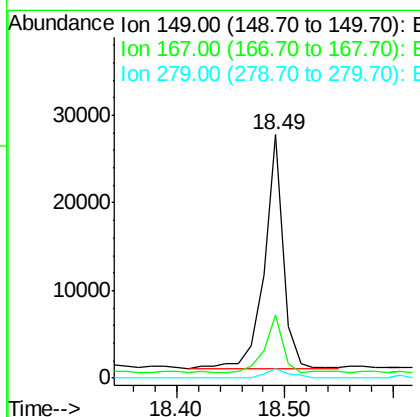
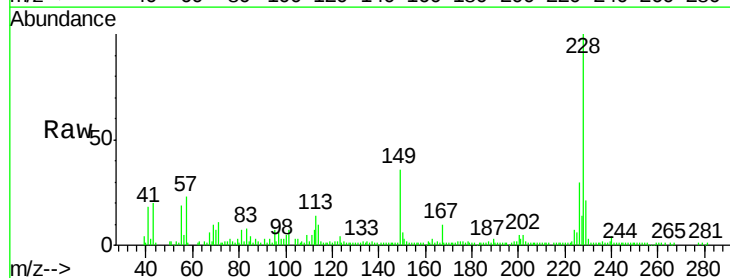
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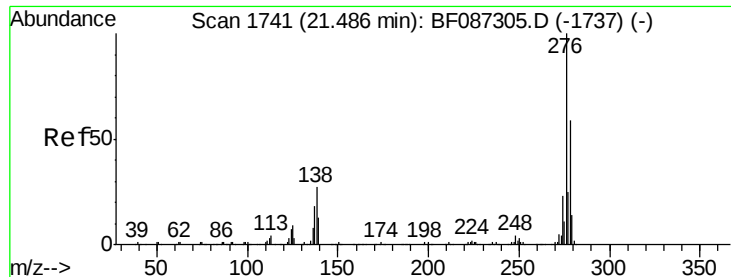
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.62 ng
 RT: 18.49 min Scan# 1479
 Delta R.T. -0.05 min
 Lab File: BF087580.D
 Acq: 31 May 2016 8:28

Tgt Ion:	149	Resp:	32052
Ion Ratio	Lower	Upper	
149	100		
167	26.2	21.8	32.6
279	3.6	2.6	4.0





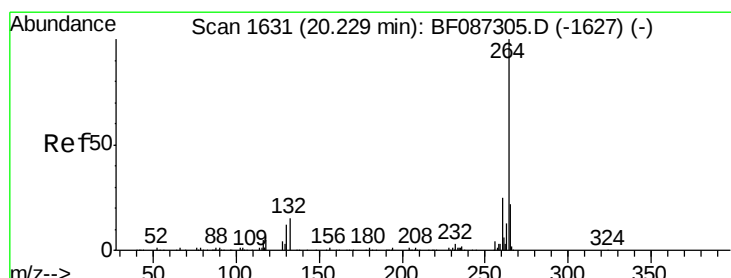
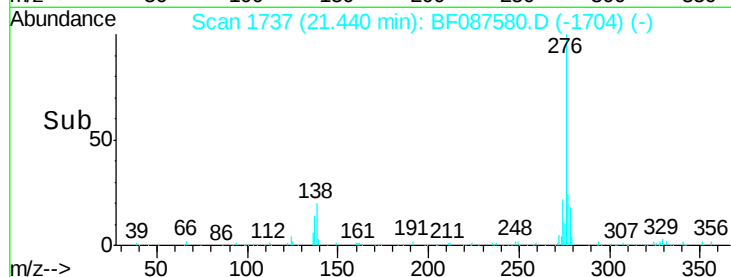
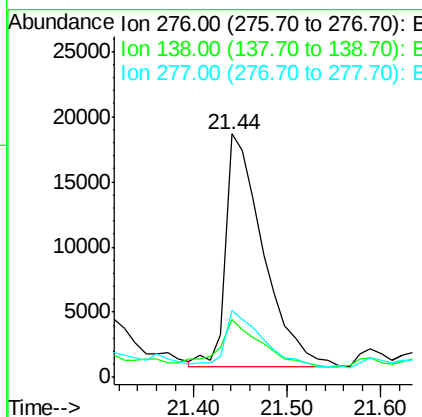
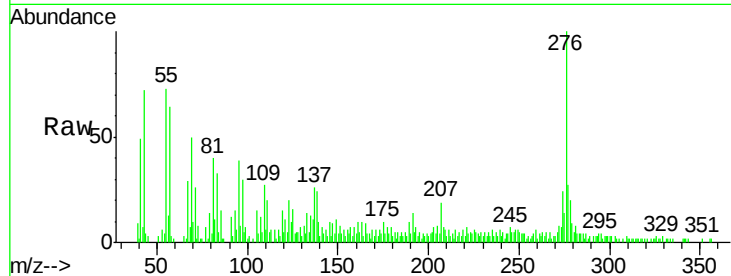
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.25 ng/ml
RT: 21.44 min Scan# 1737
Delta R.T. 0.08 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	3.6	25.6	38.4#
277	4.9	20.5	30.7#

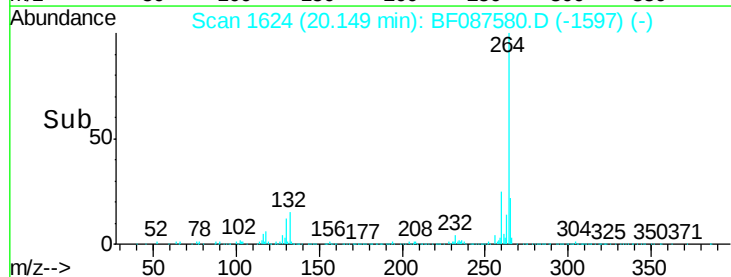
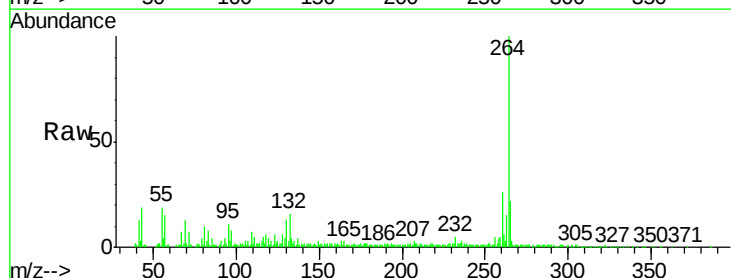
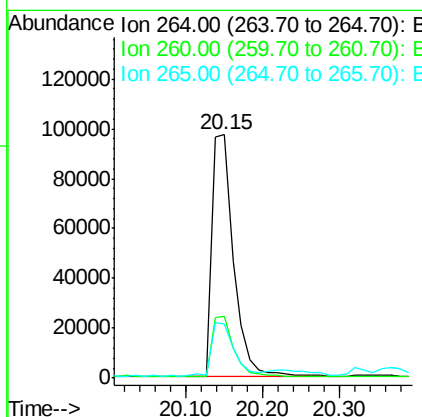
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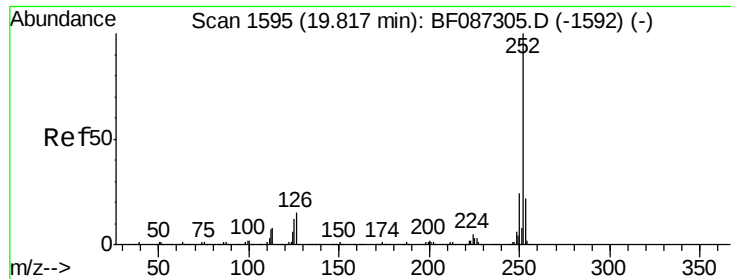
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.15 min Scan# 1624
Delta R.T. 0.01 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	25.6	19.5	29.3
265	22.2	17.3	25.9





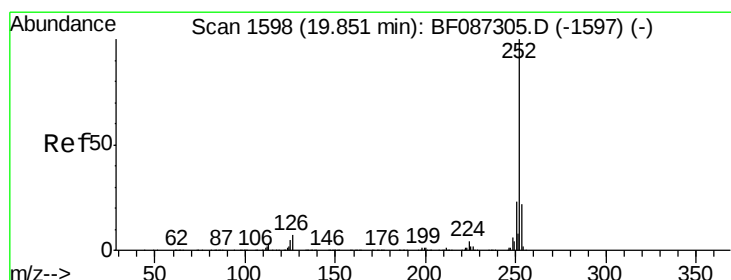
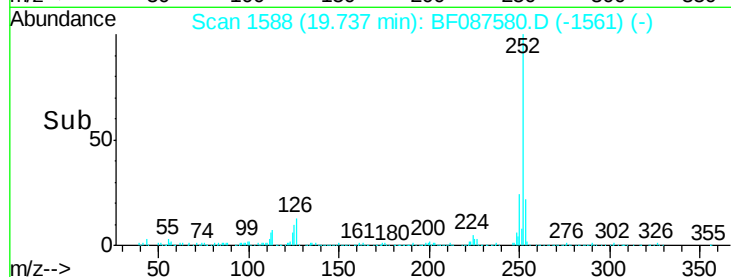
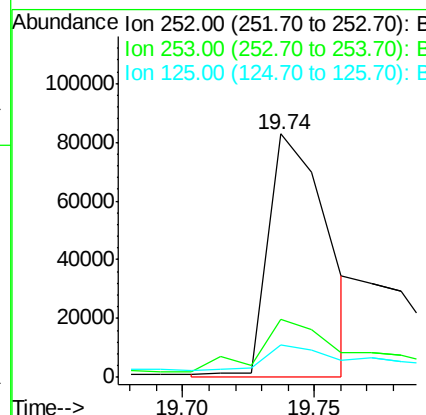
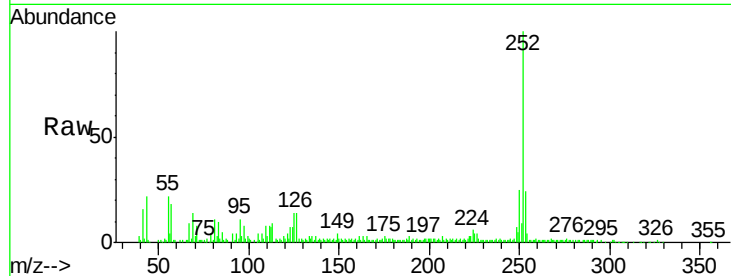
#87
Benzo(b)fluoranthene
Concen: 10.67 ng m
RT: 19.74 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	13.5	11.4	17.0

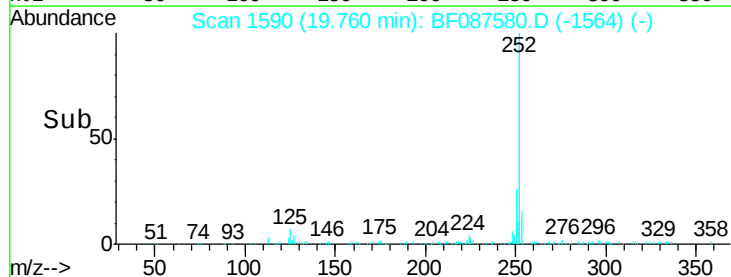
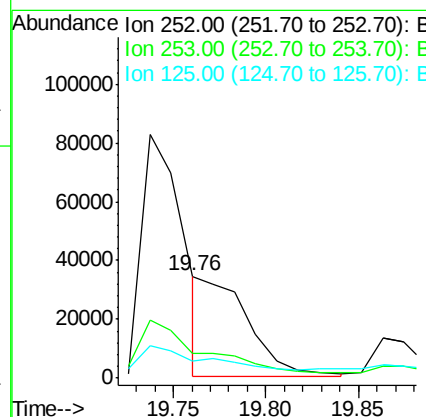
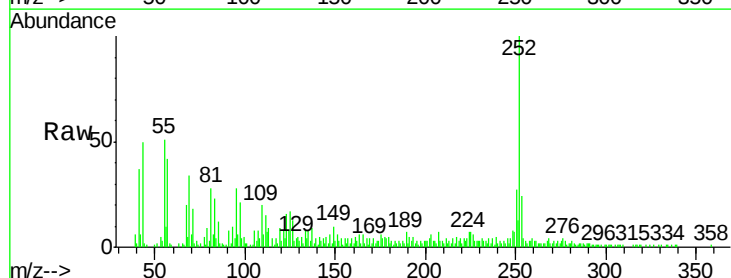
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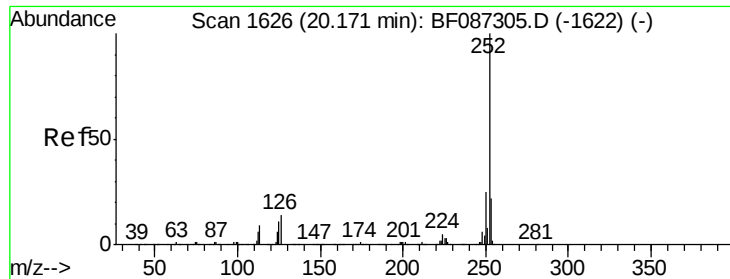
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#88
Benzo(k)fluoranthene
Concen: 5.50 ng m
RT: 19.76 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	16.8	9.1	13.7#





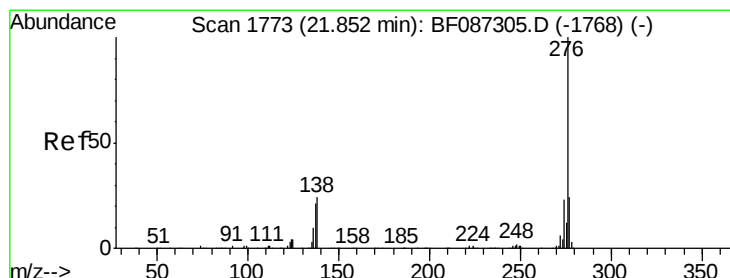
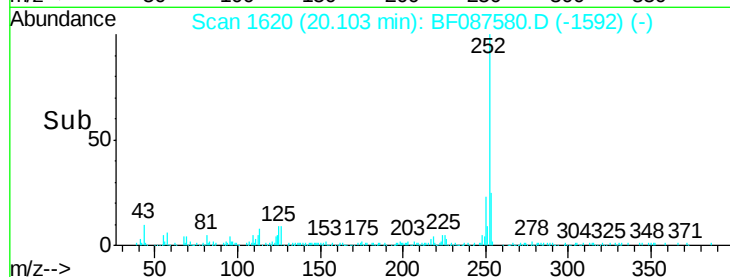
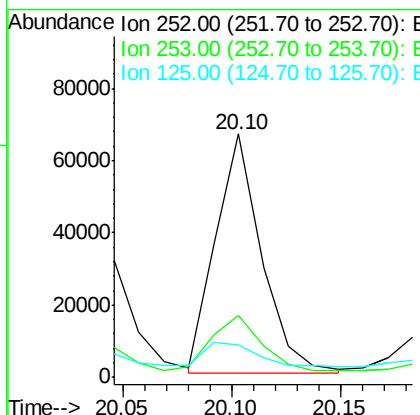
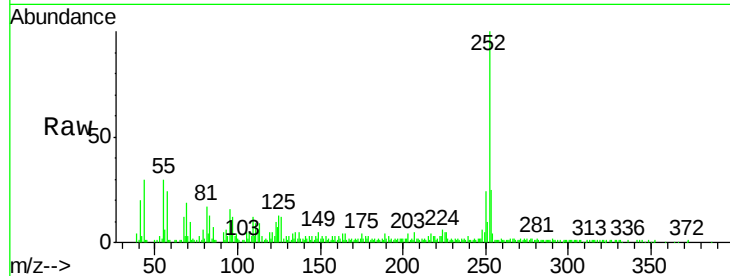
#89
Benzo(a)pyrene
Concen: 9.21 ng
RT: 20.10 min Scan# 1620
Delta R.T. 0.02 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.2	25.8
125	13.2	9.0	13.6

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#91
Benzo(g,h,i)perylene
Concen: 5.28 ng
RT: 21.81 min Scan# 1769
Delta R.T. 0.09 min
Lab File: BF087580.D
Acq: 31 May 2016 8:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.4	19.6	29.4
138	27.6	23.6	35.4

