

Data Path : V:\HPCHEM1\BNA F\DATA\BF070916\
 Data File : BF088894.D
 Acq On : 10 Jul 2016 2:51
 Operator : UM/SJ
 Sample : H3889-02DL 25X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-2DL

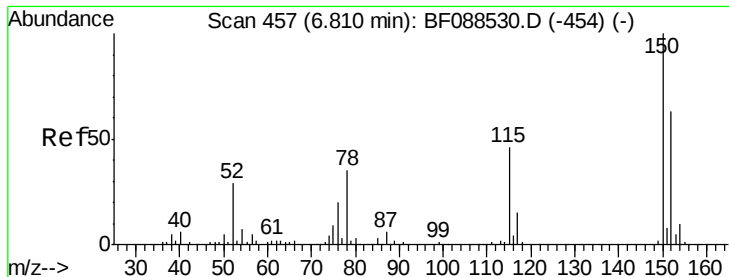
Manual Integrations

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Quant Time: Jul 11 07:08:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 18:51:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	81583	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	312782	20.00	ng	-0.02
38) Acenaphthene-d10	9.75	164	150506	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	296275	20.00	ng	-0.01
75) Chrysene-d12	13.85	240	151166	20.00	ng	-0.02
86) Perylene-d12	15.23	264	171139	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	21684	3.98	ng	-0.02
7) Phenol-d6	6.34	99	28241	4.02	ng	-0.03
23) Nitrobenzene-d5	7.28	82	18416	3.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	6015	4.30	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	32201	3.38	ng	-0.01
78) Terphenyl-d14	12.81	244	26586	3.92	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.26	178	78074	4.82	ng	97
73) Di-n-butylphthalate	11.80	149	84145	4.77	ng	98
74) Fluoranthene	12.43	202	327719	19.96	ng	99
77) Pyrene	12.66	202	329644	25.72	ng	99
80) Benzo(a)anthracene	13.84	228	228956	23.52	ng	97
82) Chrysene	13.87	228	166385m	17.28	ng	
85) Indeno(1,2,3-cd)pyrene	16.53	276	120005	16.20	ng	# 100
87) Benzo(b)fluoranthene	14.86	252	285530m	26.60	ng	
88) Benzo(k)fluoranthene	14.87	252	61159m	6.54	ng	
89) Benzo(a)pyrene	15.18	252	189688m	20.87	ng	
90) Dibenzo(a,h)anthracene	16.54	278	35364	4.66	ng	# 90
91) Benzo(a,h,i)perylene	16.91	276	116861	14.88	ng	# 93

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



#1

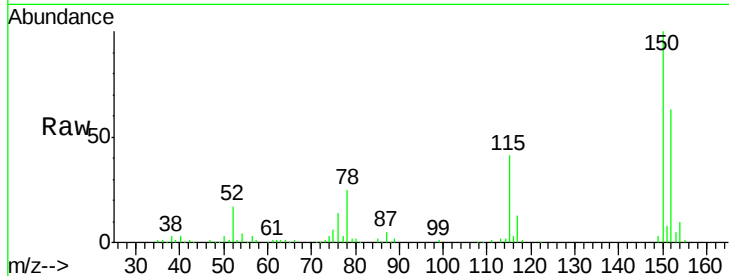
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF088894.D
Acq: 10 Jul 2016 2:51

Instrument :
BNA_F
ClientSampled :
SS-2DL

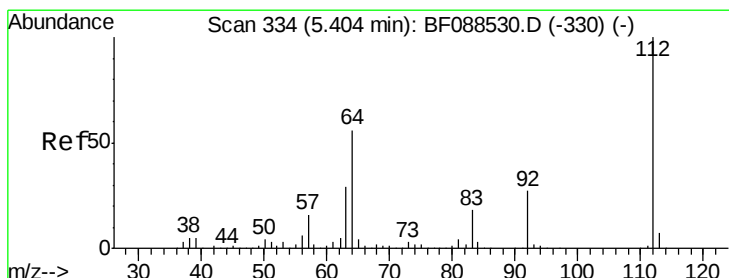
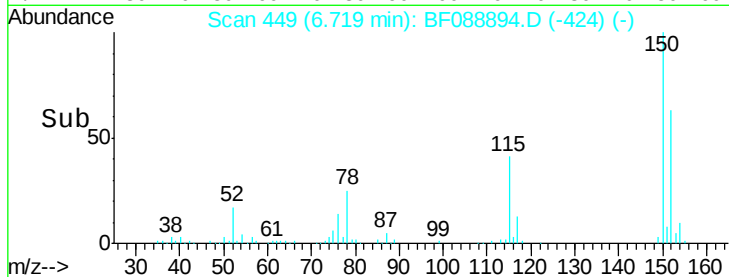
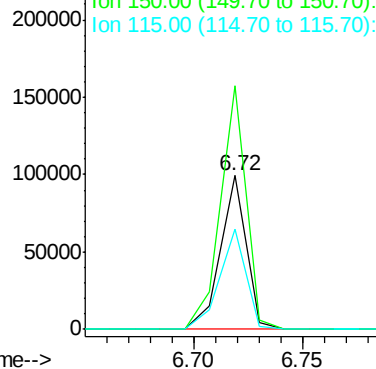
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	123.8	185.6
115	65.2	39.6	59.4

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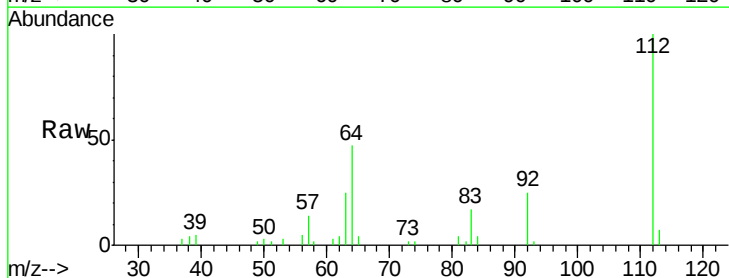
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



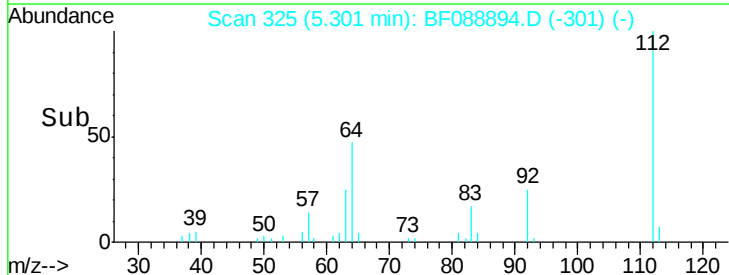
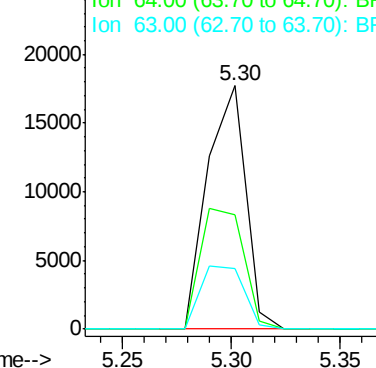
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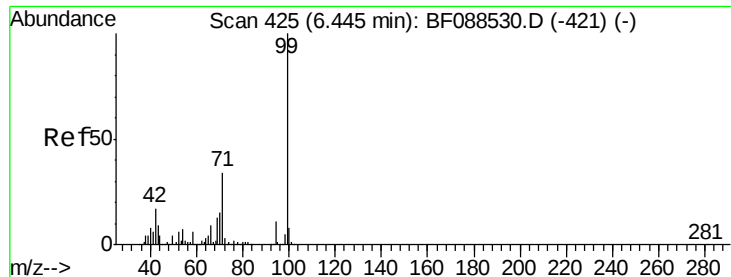
2-Fluorophenol
Concen: 3.98 ng
RT: 5.30 min Scan# 325
Delta R.T. -0.02 min
Lab File: BF088894.D
Acq: 10 Jul 2016 2:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.8	42.2	63.2
63	25.1	21.8	32.8



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





#7

Phenol-d6

Concen: 4.02 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.03 min

Lab File: BF088894.D

Acq: 10 Jul 2016 2:51

Instrument :

BNA_F

ClientSampleId :

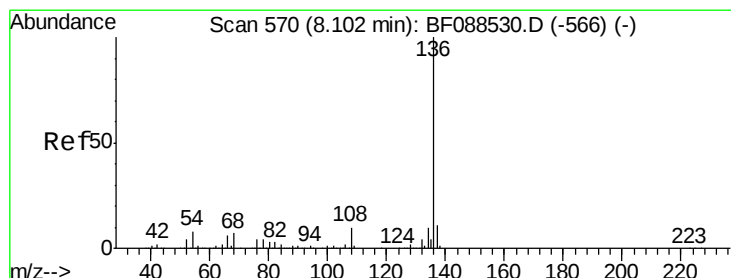
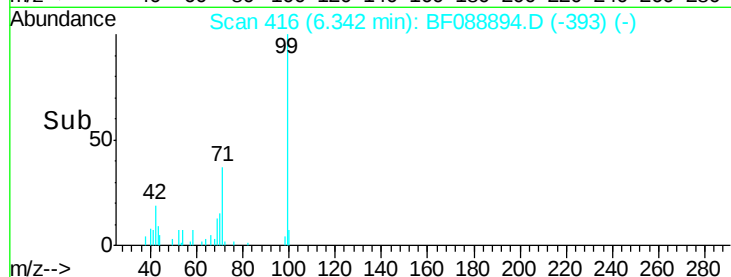
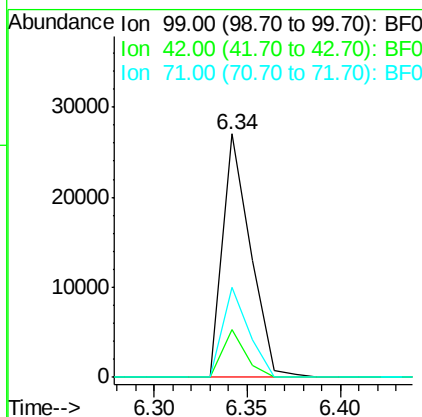
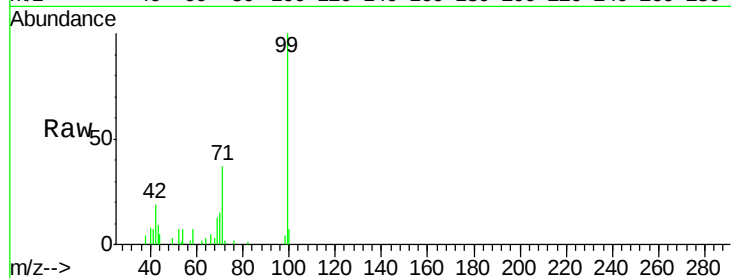
SS-2DL

Tot Ion:	99	Resp:	28241
Ion Ratio	Lower	Upper	
99	100		
42	19.4	12.2	18.2#
71	37.0	23.4	35.0#

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#21

Naphthalene-d8

Concen: 20.00 ng

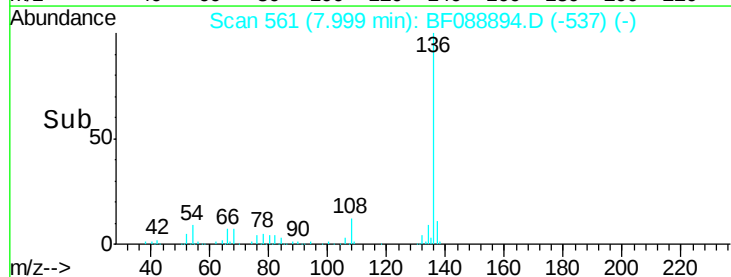
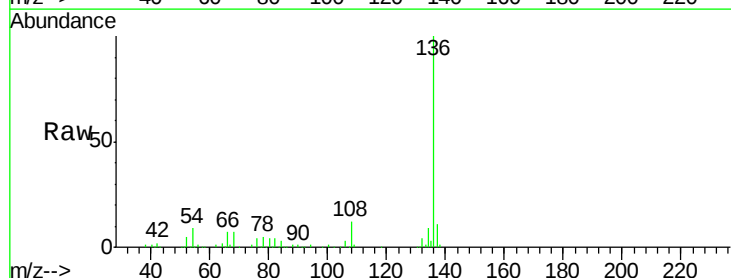
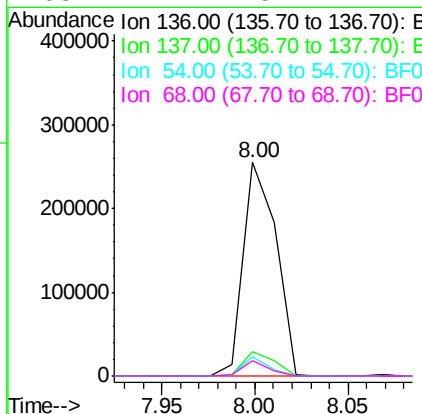
RT: 8.00 min Scan# 561

Delta R.T. -0.02 min

Lab File: BF088894.D

Acq: 10 Jul 2016 2:51

Tgt Ion:	136	Resp:	312782
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	9.1	6.6	10.0
68	7.4	5.1	7.7





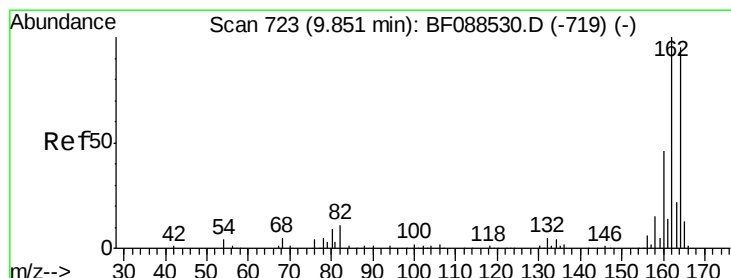
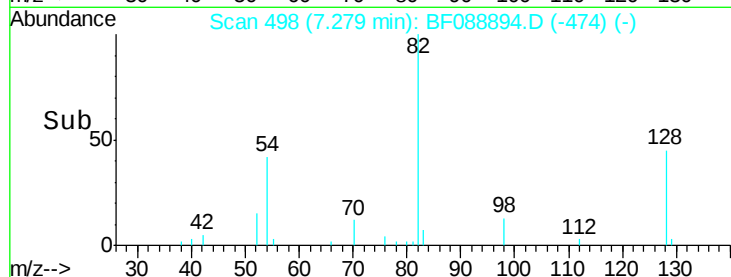
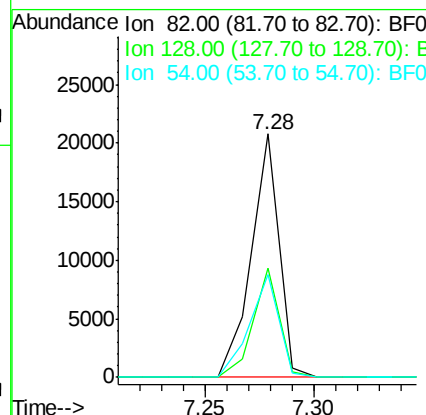
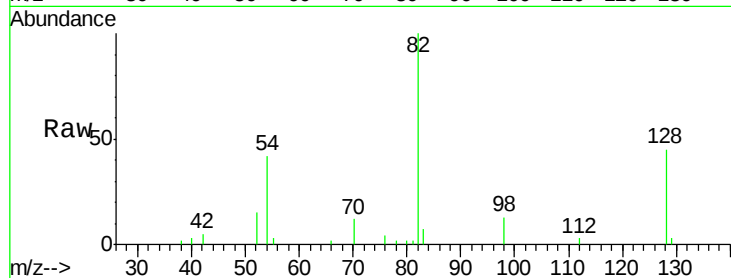
#23
Nitrobenzene-d5
Concen: 3.09 ng
RT: 7.28 min Scan# 498
Delta R.T. -0.02 min
Lab File: BF088894.D
Acq: 10 Jul 2016 2:51

Instrument :
BNA_F
ClientSampled :
SS-2DL

Tot Ion:	82	Resp:	18416
Ion Ratio	Lower	Upper	
82	100		
128	44.9	35.9	53.9
54	42.2	40.9	61.3

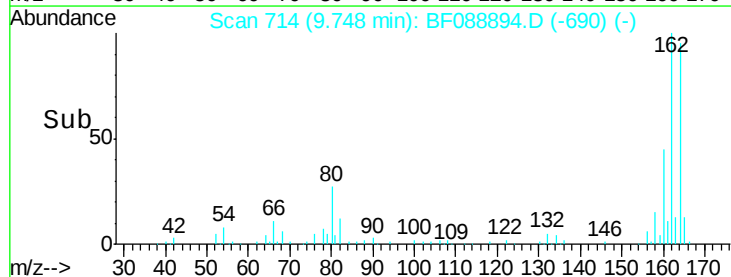
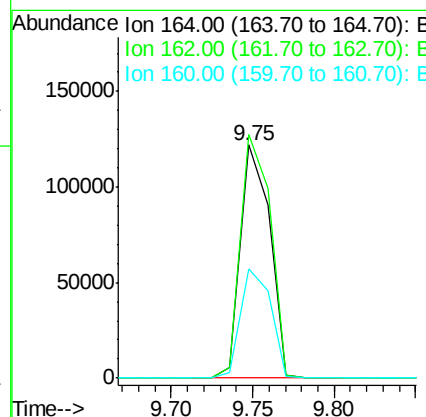
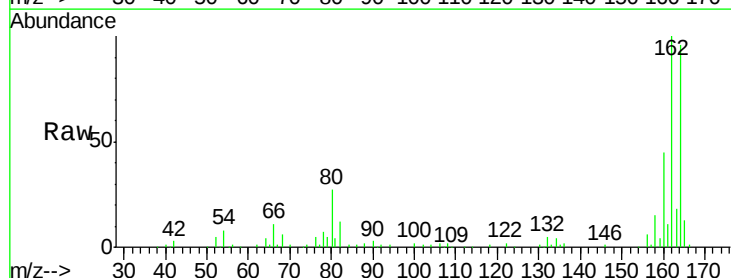
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.02 min
Lab File: BF088894.D
Acq: 10 Jul 2016 2:51

Tgt Ion:	164	Resp:	150506
Ion Ratio	Lower	Upper	
164	100		
162	104.5	85.4	128.2
160	47.1	39.5	59.3





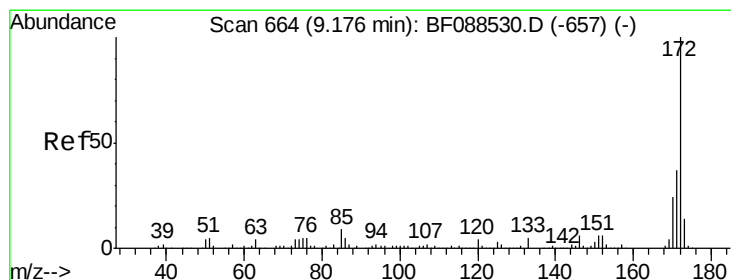
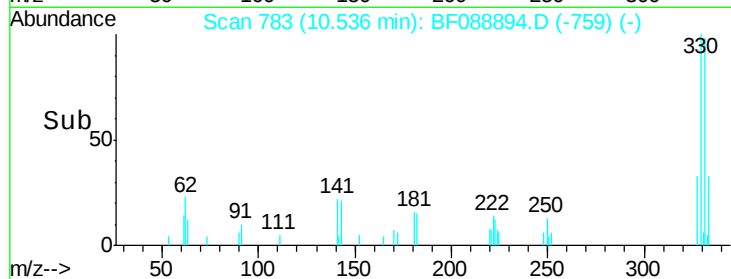
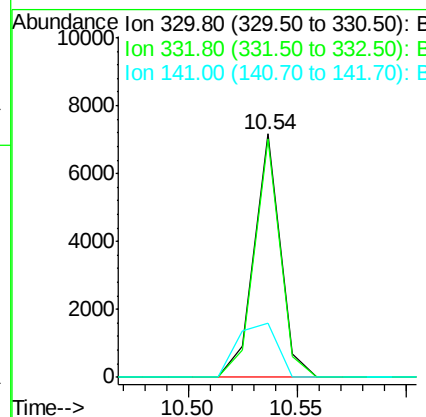
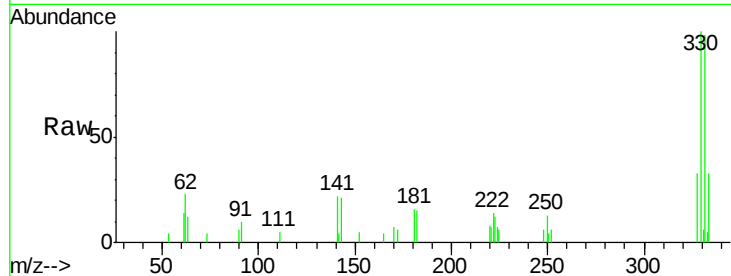
#41
 2,4,6-Tribromophenol
 Concen: 4.30 ng
 RT: 10.54 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: BF088894.D
 Acq: 10 Jul 2016 2:51

Instrument :
 BNA_F
 ClientSampleId :
 SS-2DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	6015		
332	96.4	0.0	0.0	0.0
141	34.0	0.0	0.0	0.0

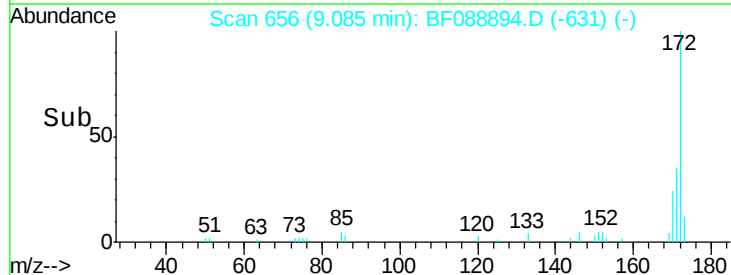
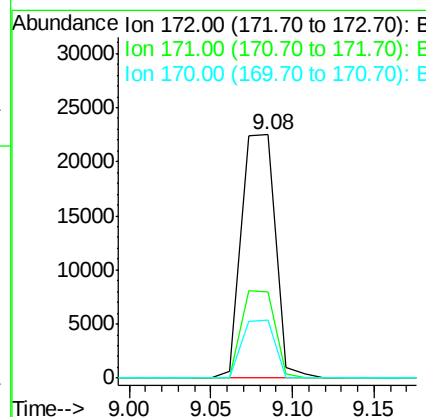
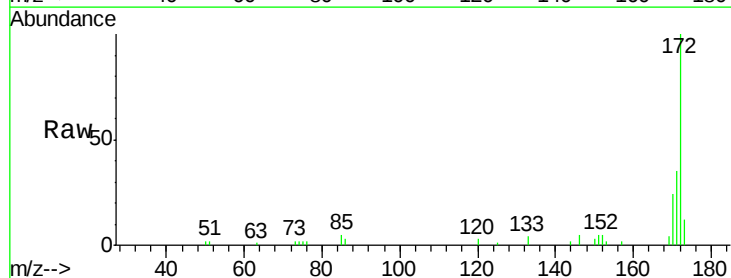
Manual Integrations

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#44
 2-Fluorobiphenyl
 Concen: 3.38 ng
 RT: 9.08 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BF088894.D
 Acq: 10 Jul 2016 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	32201		
171	35.2	28.6	43.0	
170	23.9	19.2	28.8	





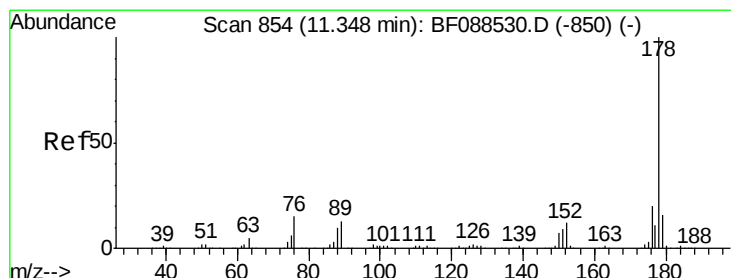
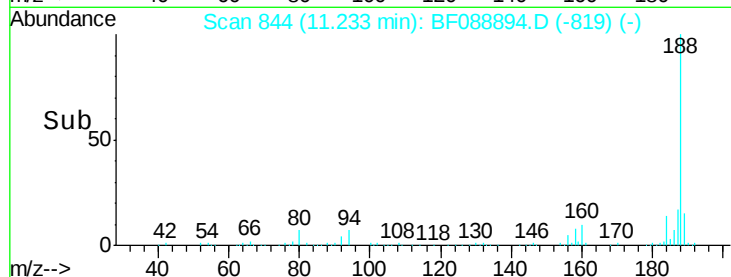
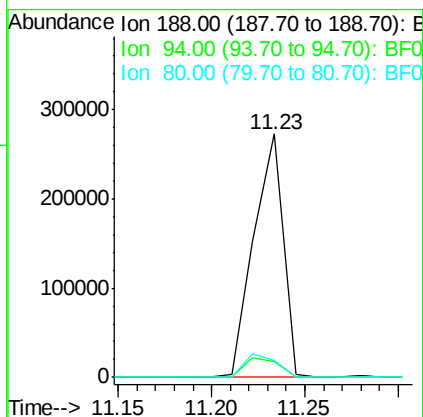
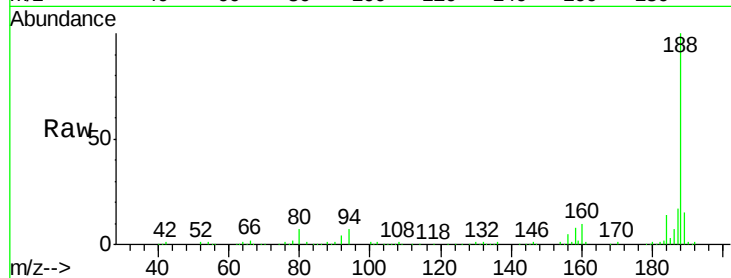
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF088894.D
Acq: 10 Jul 2016 2:51

Instrument :
BNA_F
ClientSampleId :
SS-2DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	296275		
94	6.7		9.0	13.6#
80	7.1		10.0	15.0#

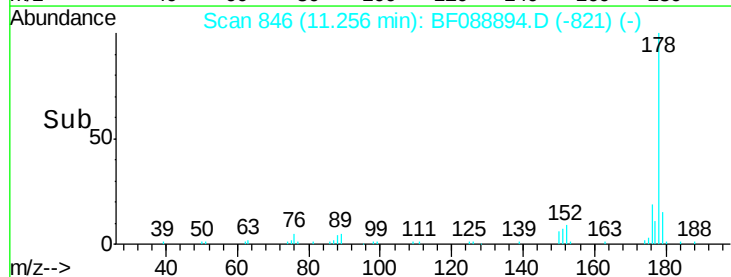
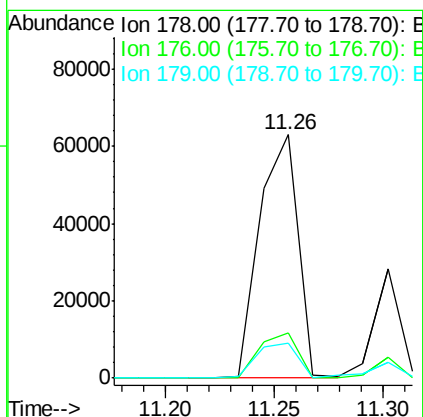
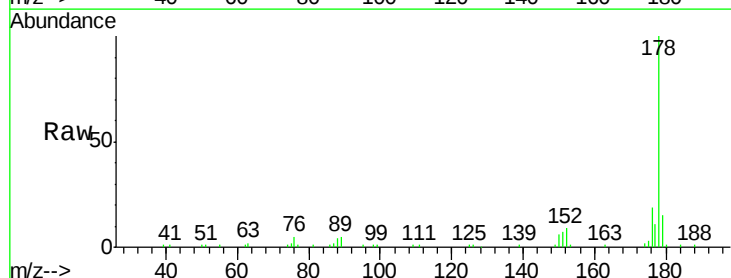
Manual Integrations

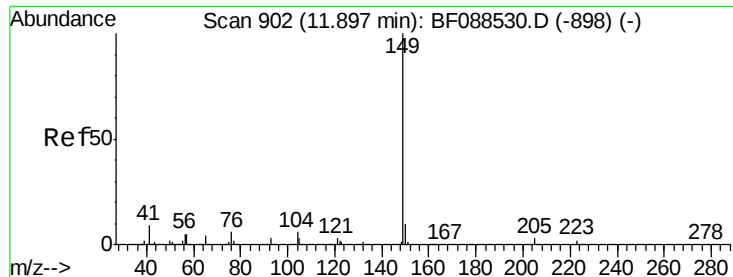
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#70
Phenanthrene
Concen: 4.82 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF088894.D
Acq: 10 Jul 2016 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	78074		
176	18.8		15.8	23.6
179	14.5		13.0	19.4





#73

Di-n-butylphthalate

Concen: 4.77 ng

RT: 11.80 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF088894.D

Acq: 10 Jul 2016 2:51

Instrument :

BNA_F

ClientSampleId :

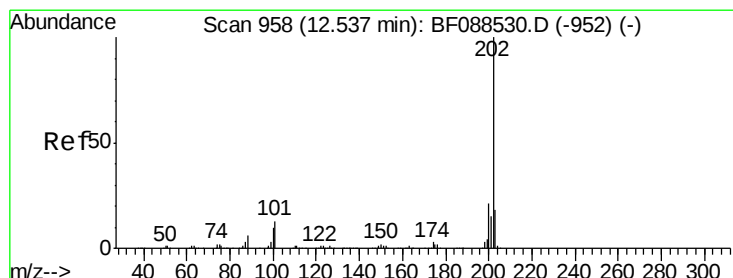
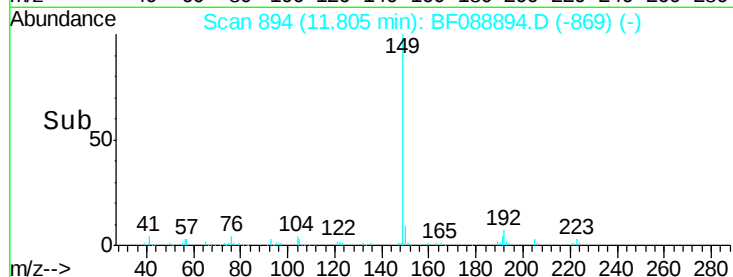
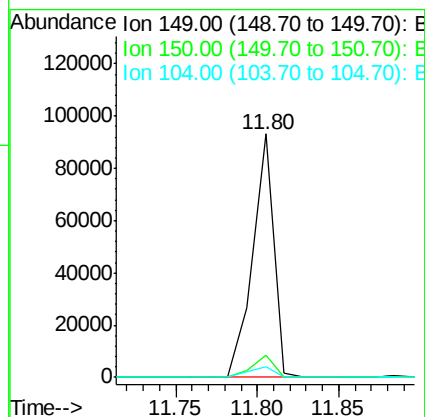
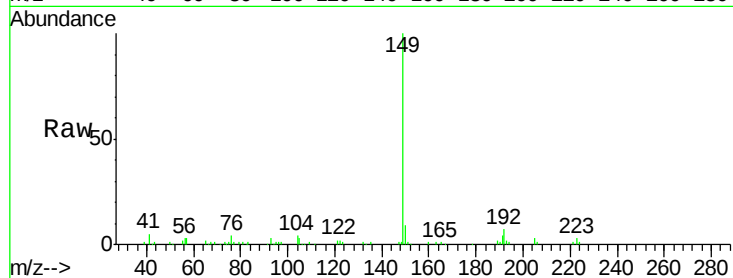
SS-2DL

Tot Ion:	149	Resp:	84145
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.8	11.6
104	4.2	4.0	6.0

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#74

Fluoranthene

Concen: 19.96 ng

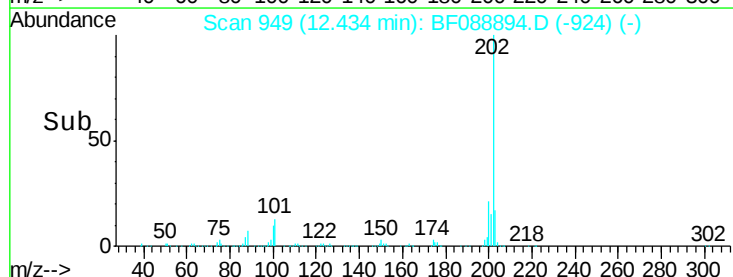
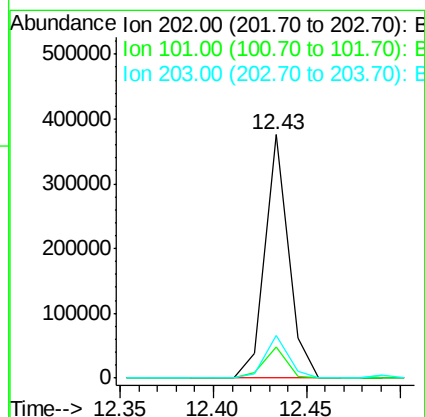
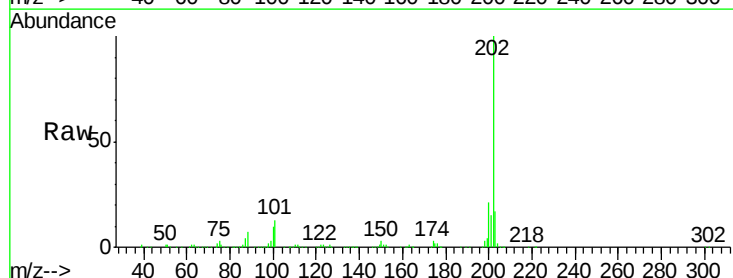
RT: 12.43 min Scan# 949

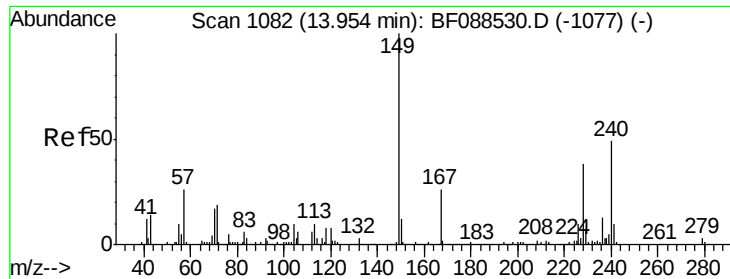
Delta R.T. -0.01 min

Lab File: BF088894.D

Acq: 10 Jul 2016 2:51

Tgt Ion:	202	Resp:	327719
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	33.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.02 min

Lab File: BF088894.D

Acq: 10 Jul 2016 2:51

Instrument :

BNA_F

ClientSampleId :

SS-2DL

Tot Ion:240 Resp: 151166

Ion Ratio Lower Upper

240 100

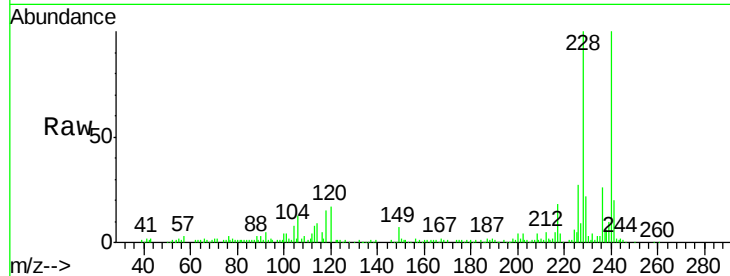
120 17.0 6.8 10.2#

236 25.9 20.2 30.2

Manual Integrations

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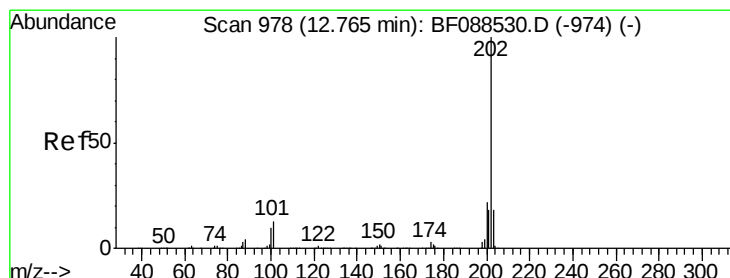
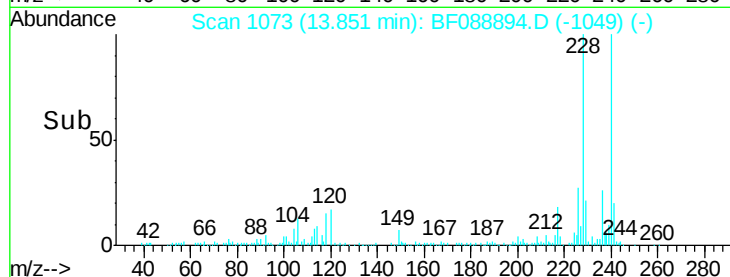
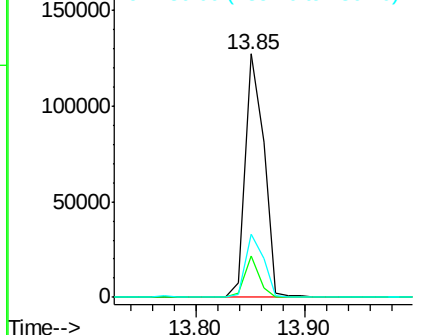
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 25.72 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF088894.D

Acq: 10 Jul 2016 2:51

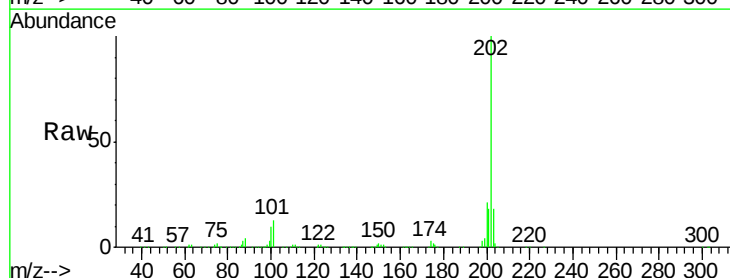
Tgt Ion:202 Resp: 329644

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

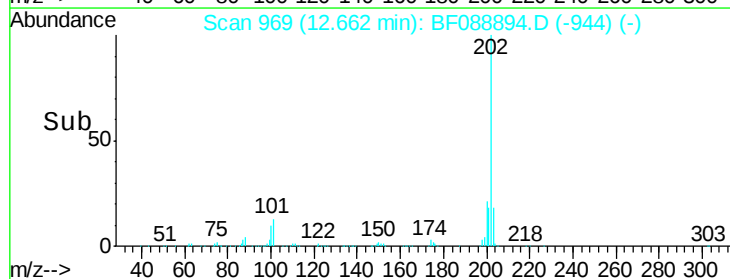
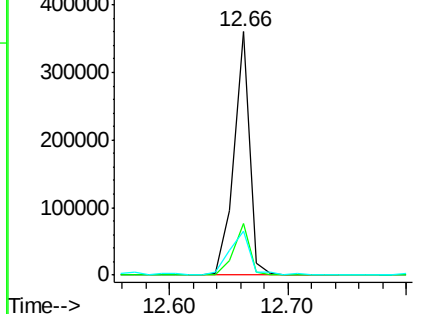
203 17.8 14.5 21.7



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





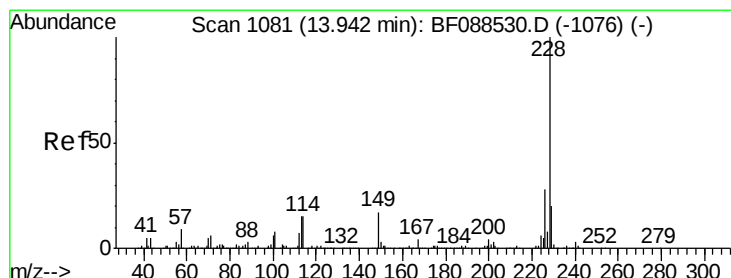
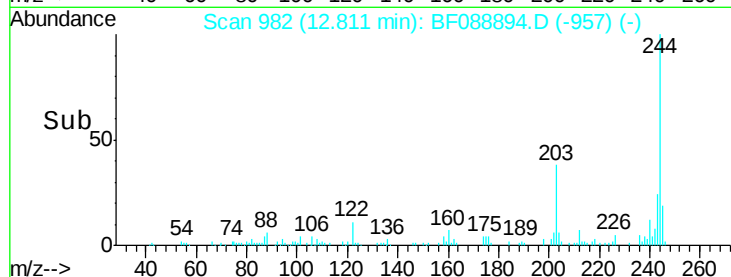
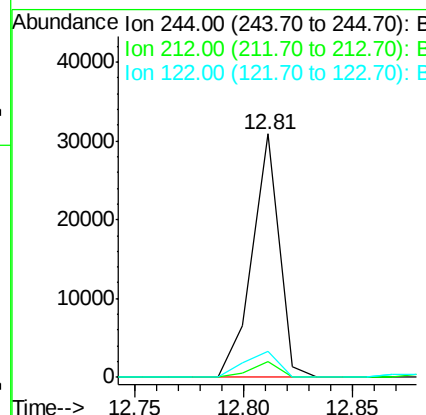
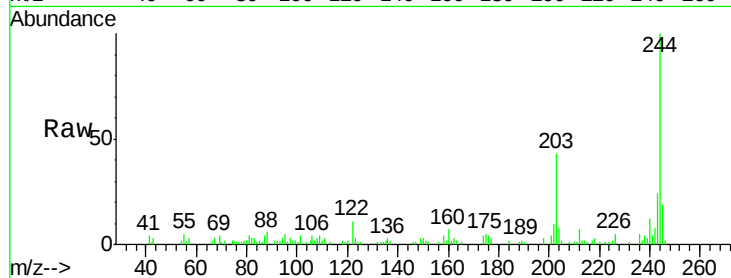
#78
 Terphenyl-d14
 Concen: 3.92 ng
 RT: 12.81 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: BF088894.D
 Acq: 10 Jul 2016 2:51

Instrument :
 BNA_F
 ClientSampleId :
 SS-2DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	10.9	11.2	16.8

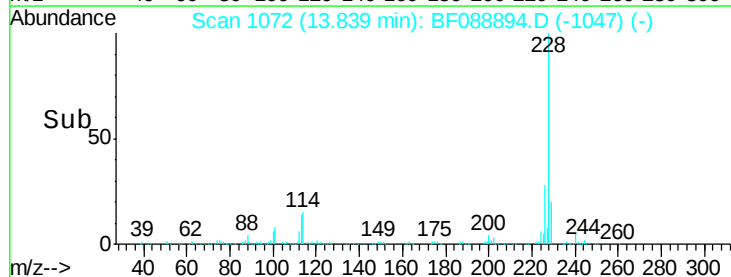
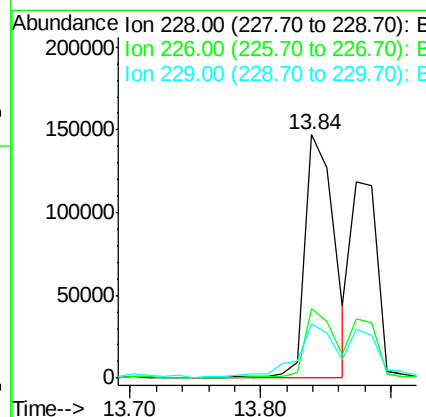
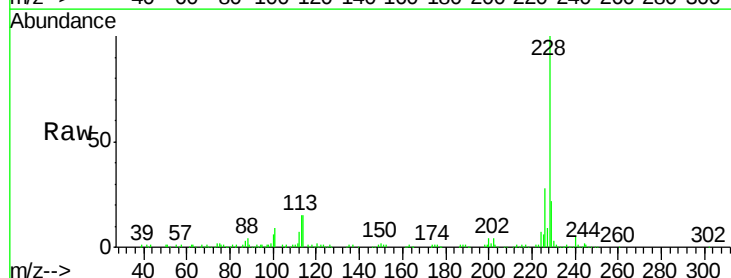
Manual Integrations

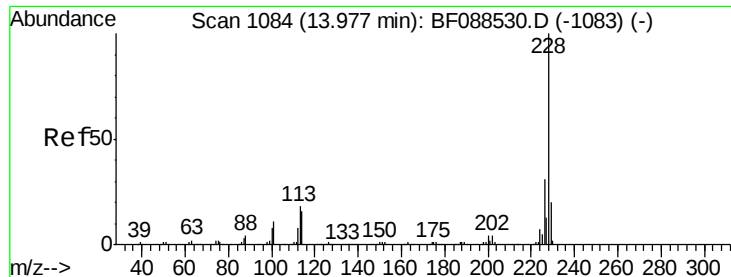
sohil
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#80
 Benzo(a)anthracene
 Concen: 23.52 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. -0.01 min
 Lab File: BF088894.D
 Acq: 10 Jul 2016 2:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.3	33.5
229	22.2	16.0	24.0





#82

Chrysene

Concen: 17.28 ng/ml

RT: 13.87 min Scan# 1075

Delta R.T. -0.02 min

Lab File: BF088894.D

Acq: 10 Jul 2016 2:51

Instrument :

BNA_F

ClientSampleId :

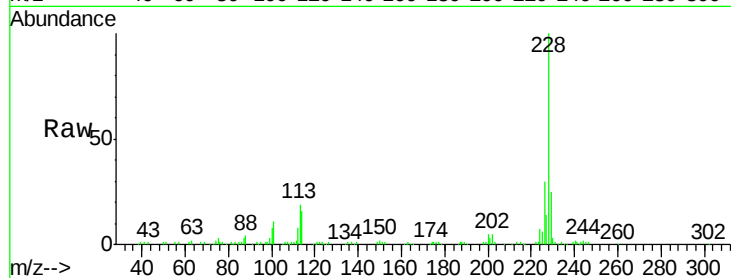
SS-2DL

Tot Ion:	228	Resp:	166385
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.4	38.2
229	24.7	16.3	24.5#

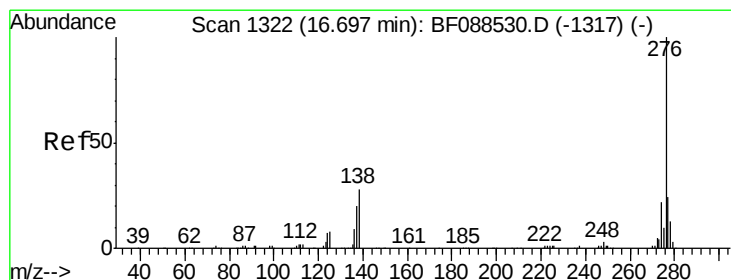
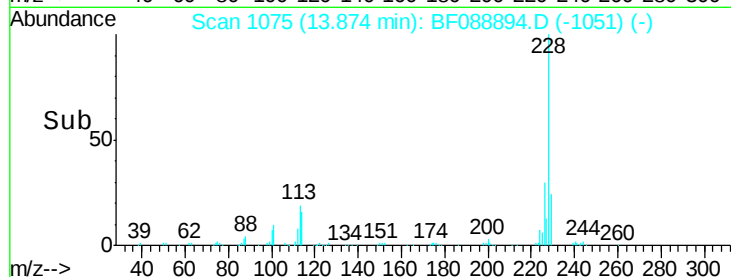
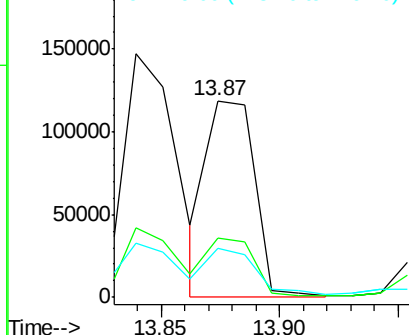
Manual Integrations

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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: 16.20 ng/ml

RT: 16.53 min Scan# 1307

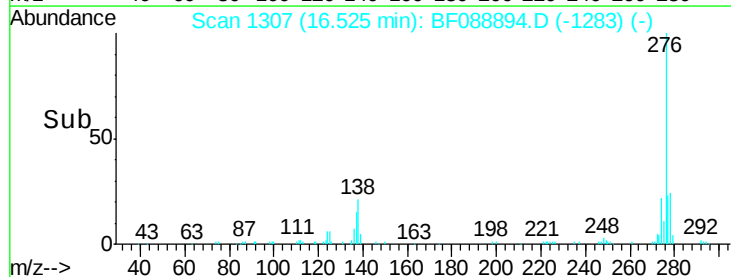
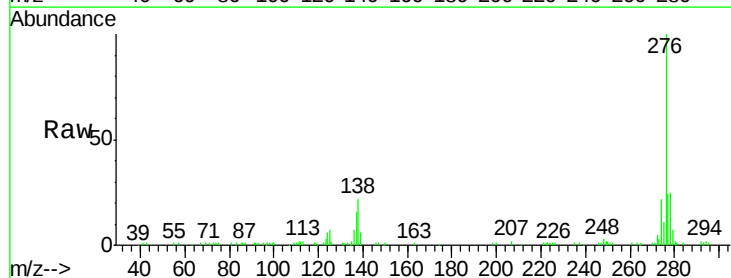
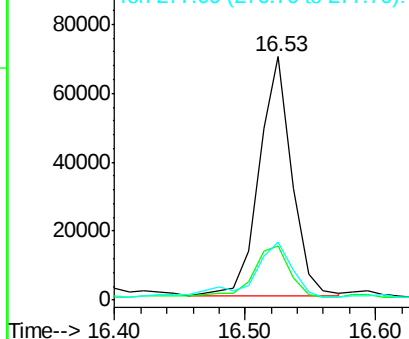
Delta R.T. -0.02 min

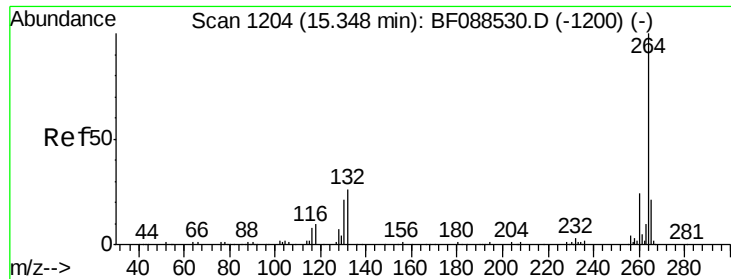
Lab File: BF088894.D

Acq: 10 Jul 2016 2:51

Tgt Ion:	276	Resp:	120005
Ion Ratio	Lower	Upper	
276	100		
138	27.3	0.0	0.0#
277	29.3	0.0	0.0#

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





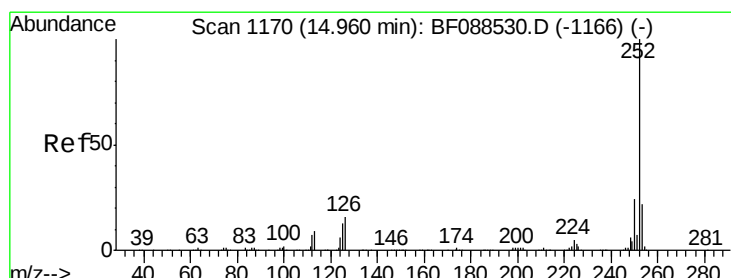
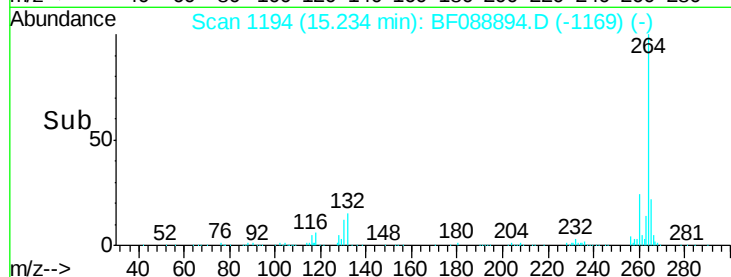
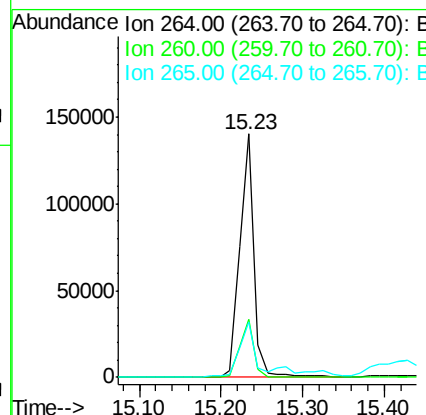
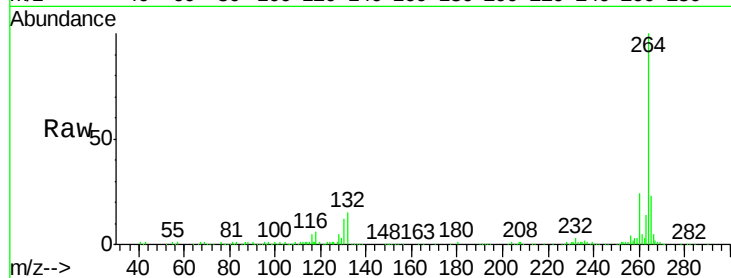
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.23 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF088894.D
Acq: 10 Jul 2016 2:51

Instrument :
BNA_F
ClientSampleId :
SS-2DL

Tot Ion:	264	Resp:	171139
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	22.7	16.9	25.3

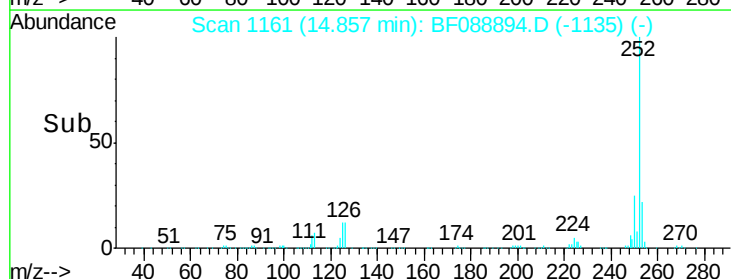
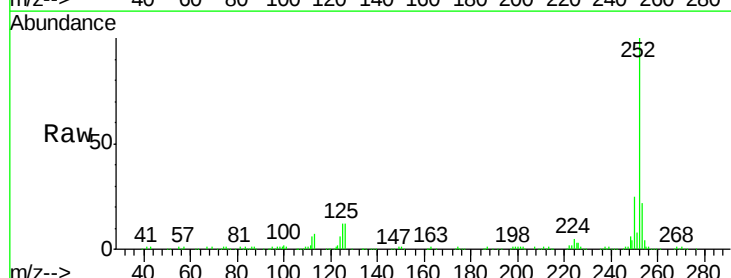
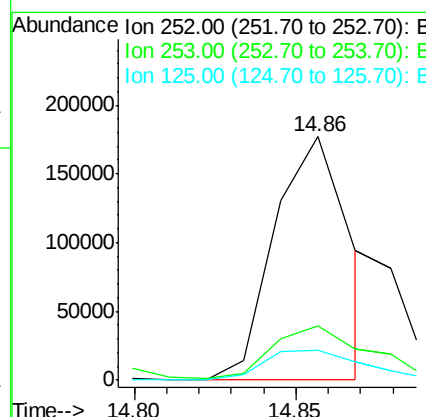
Manual Integrations

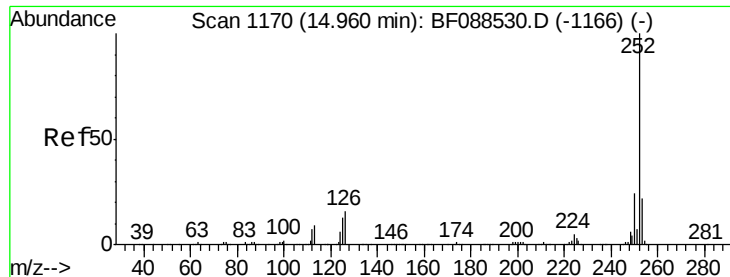
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#87
Benzo(b)fluoranthene
Concen: 26.60 ng m
RT: 14.86 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF088894.D
Acq: 10 Jul 2016 2:51

Tgt Ion:	252	Resp:	285530
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.2
125	12.1	7.1	10.7#





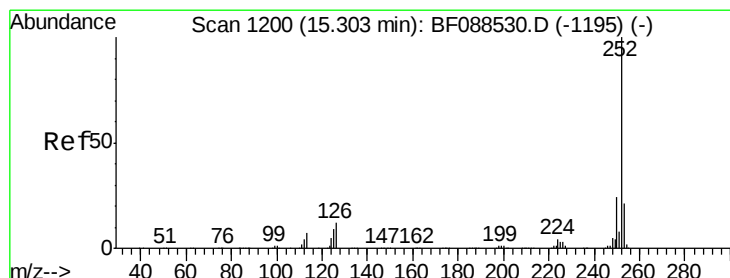
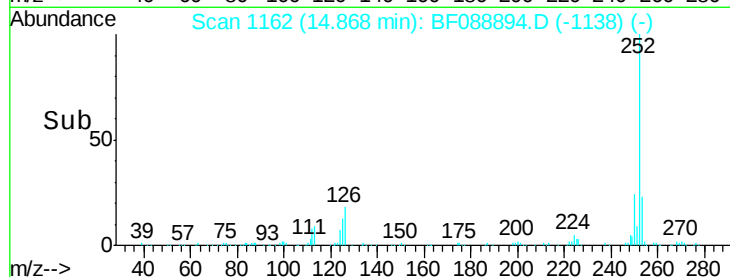
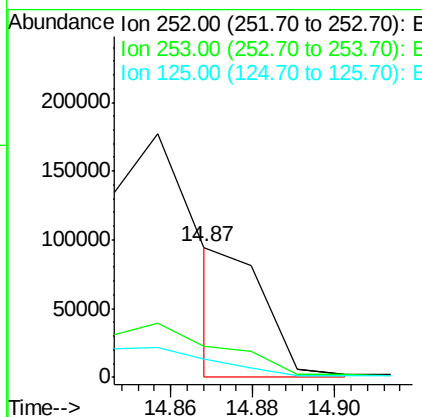
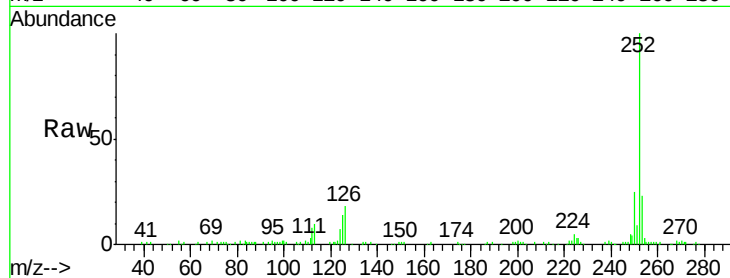
#88
Benzo(k)fluoranthene
Concen: 6.54 ng m
RT: 14.87 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BF088894.D
Acq: 10 Jul 2016 2:51

Instrument :
BNA_F
ClientSampleId :
SS-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	13.8	11.2	16.8

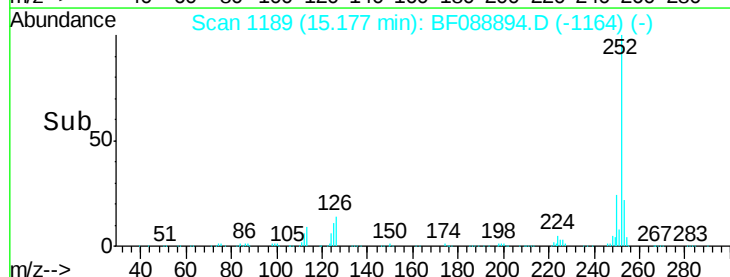
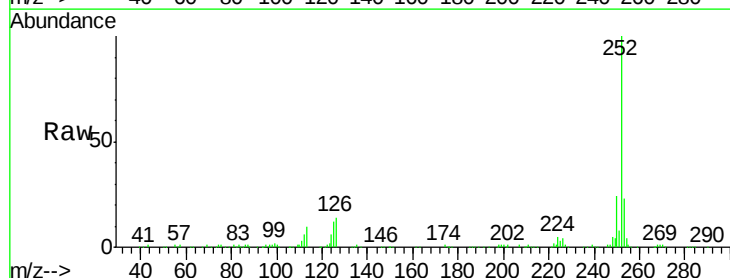
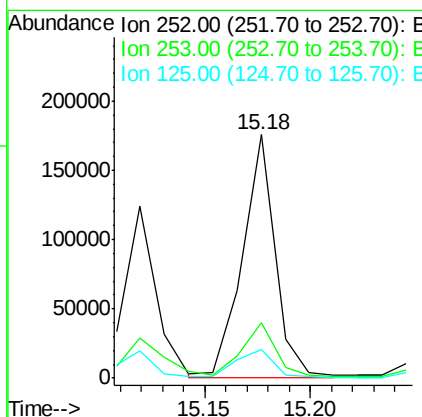
Manual Integrations

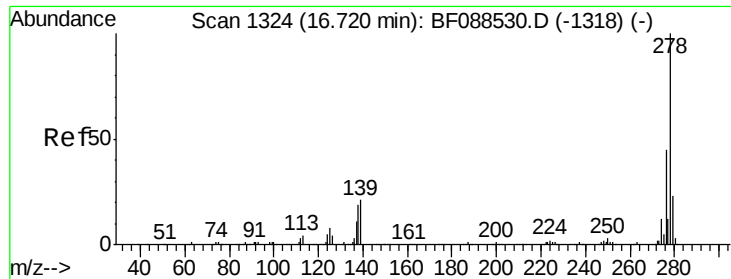
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#89
Benzo(a)pyrene
Concen: 20.87 ng m
RT: 15.18 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF088894.D
Acq: 10 Jul 2016 2:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	11.7	12.5	18.7#





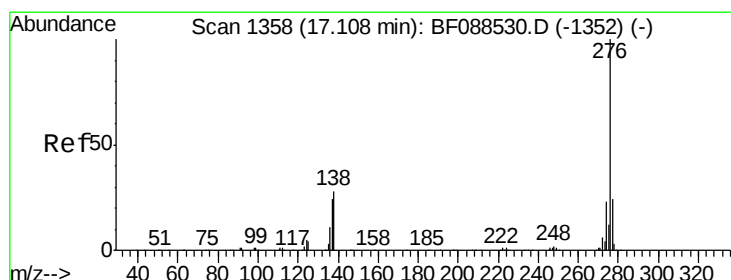
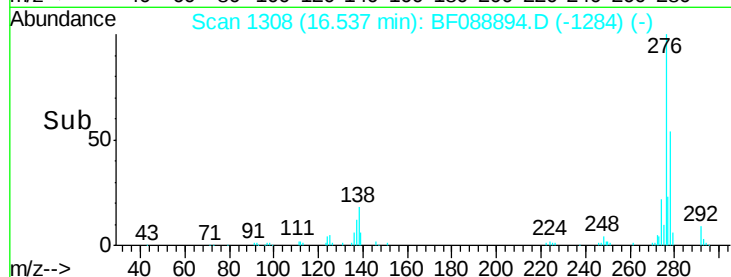
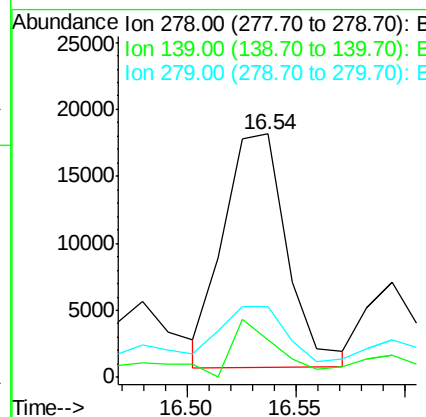
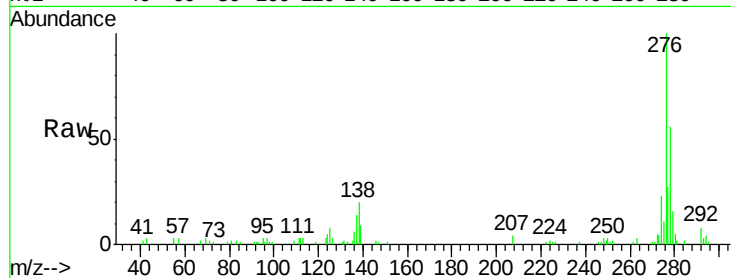
#90
Dibenzo(a,h)anthracene
Concen: 4.66 ng
RT: 16.54 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF088894.D
Acq: 10 Jul 2016 2:51

Instrument :
BNA_F
ClientSampled :
SS-2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.3	15.7	23.5#
279	29.2	19.4	29.2#

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 14.88 ng
RT: 16.91 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF088894.D
Acq: 10 Jul 2016 2:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.9	28.3
138	21.0	21.4	32.2#

