

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
 Data File : BF088679.D
 Acq On : 4 Jul 2016 7:17
 Operator : UM/SJ
 Sample : H3856-01
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPHC-B4(00-0.5)

Manual Integrations

APPROVED
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Quant Time: Jul 04 07:58:04 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	108684	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	405064	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	174252	20.00	ng	-0.03
63) Phenanthrene-d10	11.29	188	279828	20.00	ng	-0.03
75) Chrysene-d12	13.92	240	208019	20.00	ng	-0.03
86) Perylene-d12	15.31	264	207388	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	757156	104.41	ng	-0.02
7) Phenol-d6	6.42	99	886045	94.56	ng	-0.02
23) Nitrobenzene-d5	7.35	82	565789	73.20	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	184137	113.80	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	842531	76.37	ng	-0.03
78) Terphenyl-d14	12.88	244	590257	63.20	ng	-0.03
Target Compounds						
10) Phenol	6.43	94	25538	2.39	ng	Qvalue 94
49) Dimethylphthalate	9.54	163	198991	16.03	ng	98
70) Phenanthrene	11.31	178	317489	20.76	ng	99
71) Anthracene	11.37	178	57227	3.76	ng	96
72) Carbazole	11.52	167	31300	2.19	ng	98
74) Fluoranthene	12.50	202	387090	24.96	ng	96
77) Pyrene	12.73	202	314424	17.83	ng	98
80) Benzo(a)anthracene	13.91	228	146451m	10.93	ng	
82) Chrysene	13.94	228	145655m	10.99	ng	
85) Indeno(1,2,3-cd)pyrene	16.64	276	77278	7.58	ng	# 100
87) Benzo(b)fluoranthene	14.93	252	184974m	14.22	ng	
88) Benzo(k)fluoranthene	14.94	252	44666m	3.94	ng	
89) Benzo(a)pyrene	15.26	252	120917m	10.98	ng	
90) Dibenzo(a,h)anthracene	16.65	278	18501	2.01	ng	# 89
91) Benzo(a,h,i)perylene	17.04	276	69841	7.34	ng	97

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

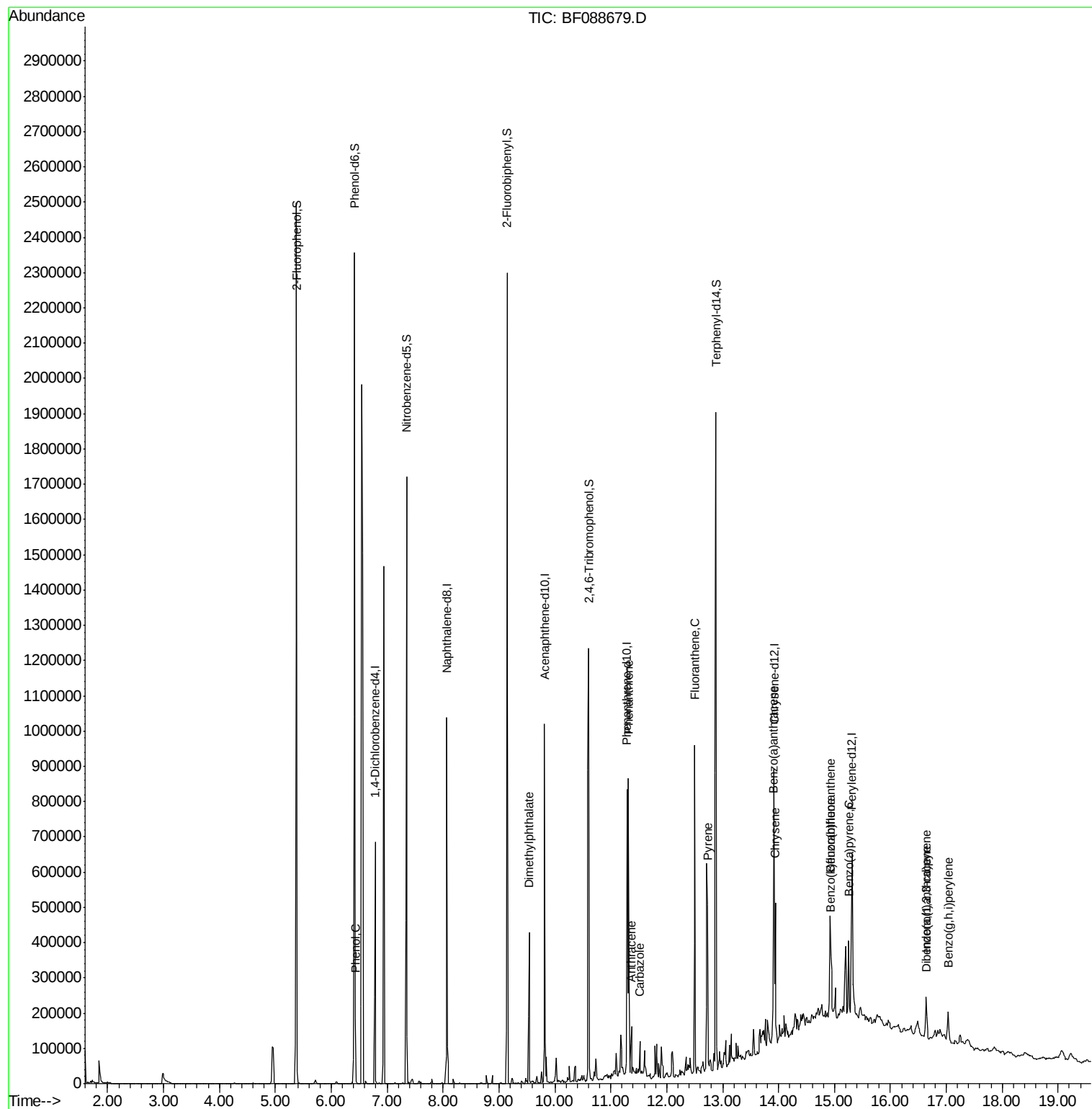
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
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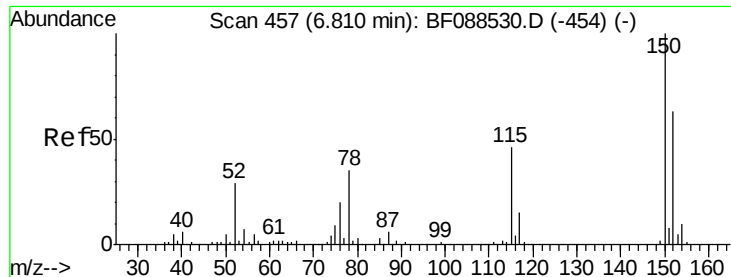
Instrument :
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EPHC-B4(00-0.5)

Manual Integrations

Quant Time: Jul 04 07:58:04 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

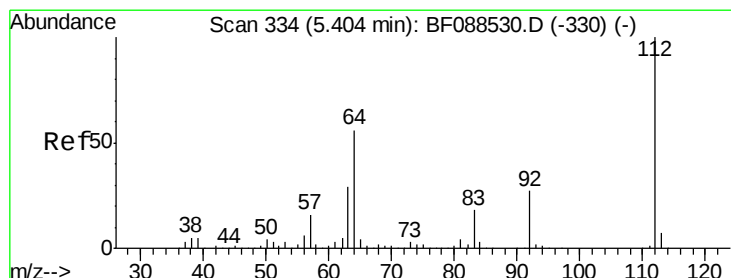
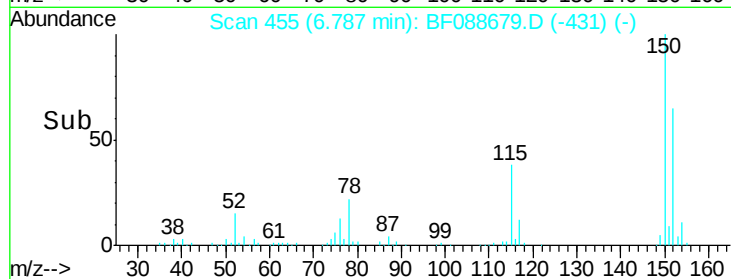
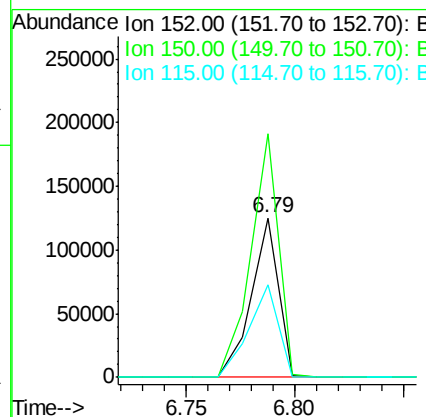
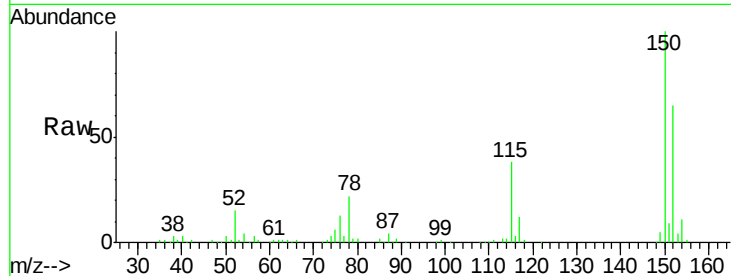
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Instrument :
BNA_F
ClientSampleId :
EPHC-B4(00-0.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.8	185.6
115	58.4	39.6	59.4

Manual Integrations

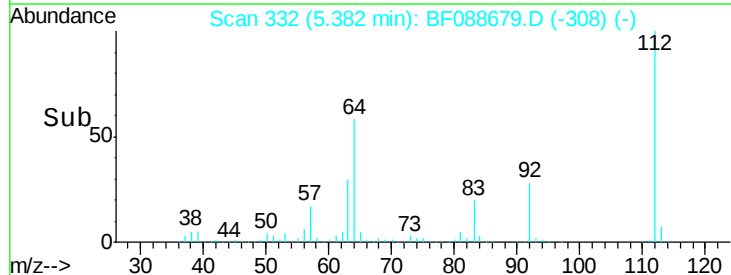
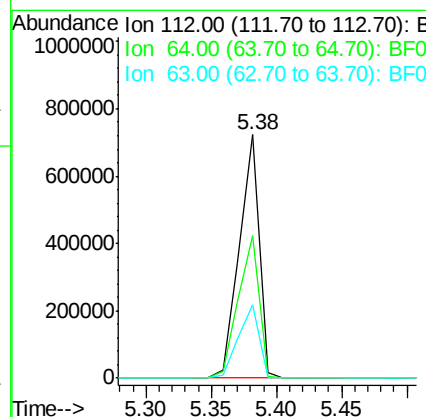
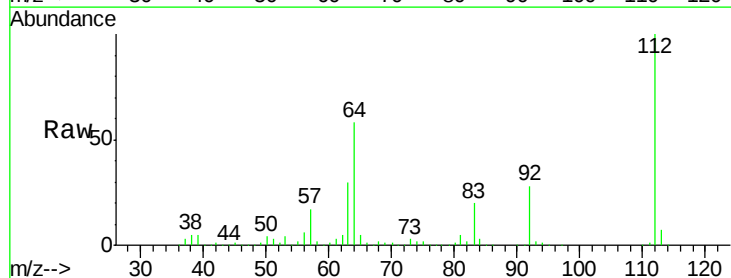
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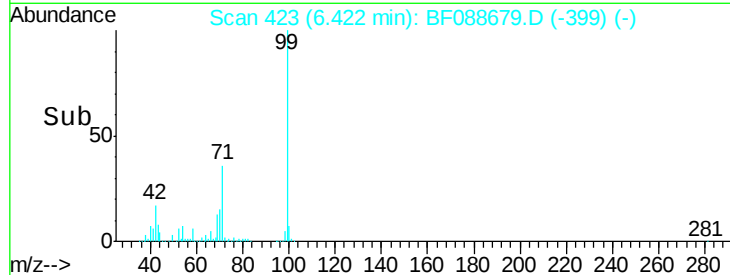
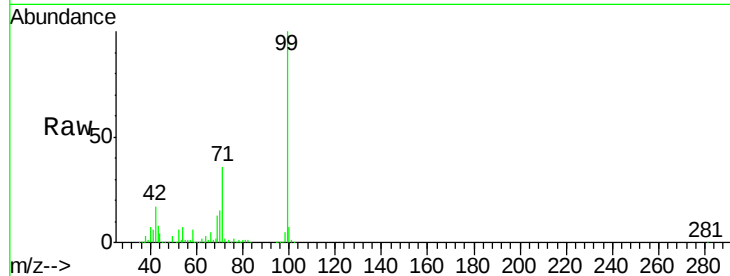


#5

2-Fluorophenol
Concen: 104.41 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.02 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	42.2	63.2
63	30.2	21.8	32.8





#7

Phenol-d6

Concen: 94.56 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088679.D

Acq: 4 Jul 2016 7:17

Tot Ion:	99	Resp:	886045
Ion	Ratio	Lower	Upper
99	100		
42	17.5	12.2	18.2
71	36.2	23.4	35.0#

Instrument :

BNA_F

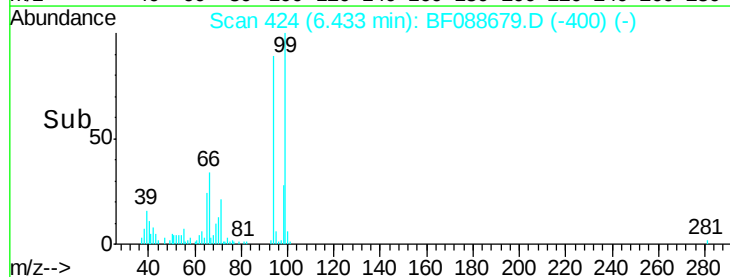
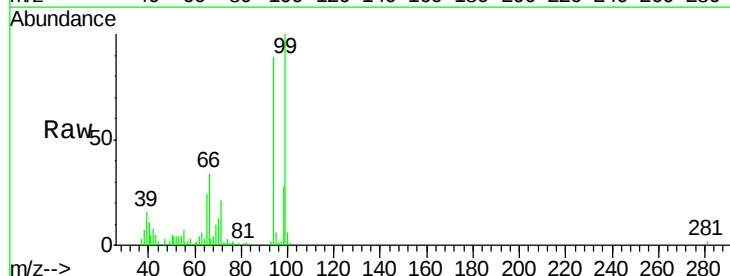
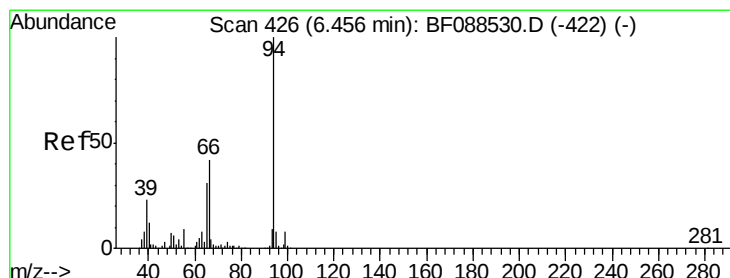
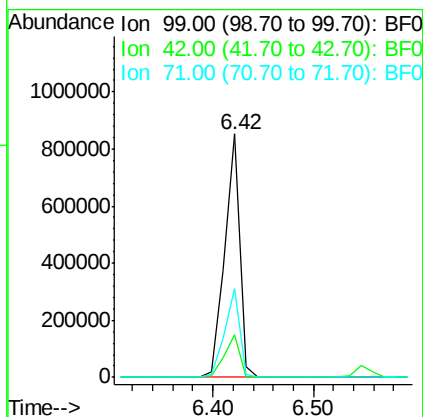
ClientSampleId :

EPHC-B4(00-0.5)

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#10

Phenol

Concen: 2.39 ng

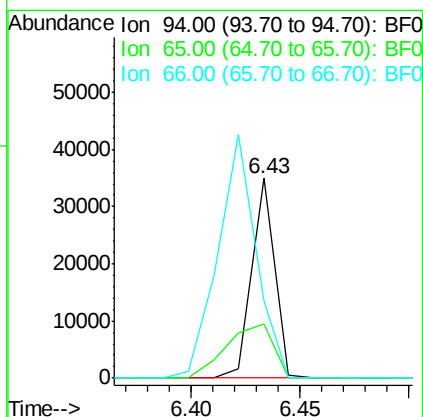
RT: 6.43 min Scan# 424

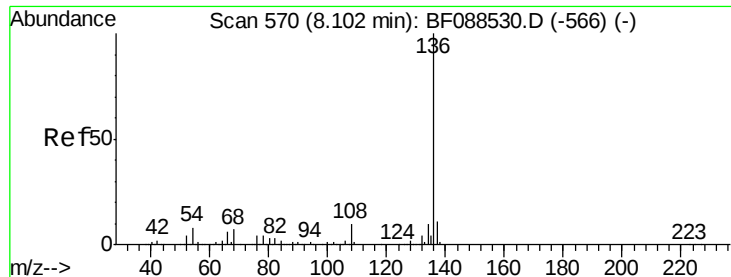
Delta R.T. -0.02 min

Lab File: BF088679.D

Acq: 4 Jul 2016 7:17

Tgt Ion:	94	Resp:	25538
Ion	Ratio	Lower	Upper
94	100		
65	26.9	5.9	45.9
66	38.7	14.0	54.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 567

Delta R.T. -0.03 min

Lab File: BF088679.D

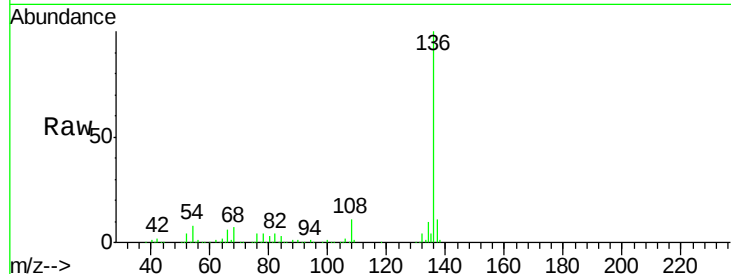
Acq: 4 Jul 2016 7:17

Instrument :

BNA_F

ClientSampleId :

EPHC-B4(00-0.5)

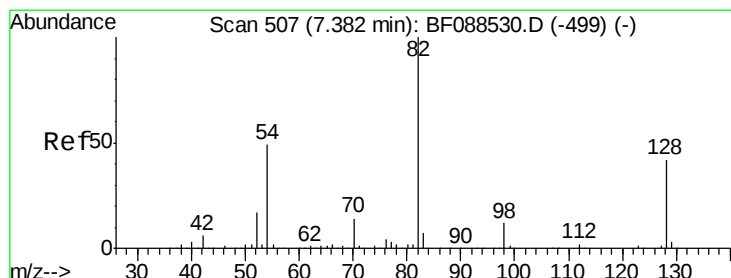
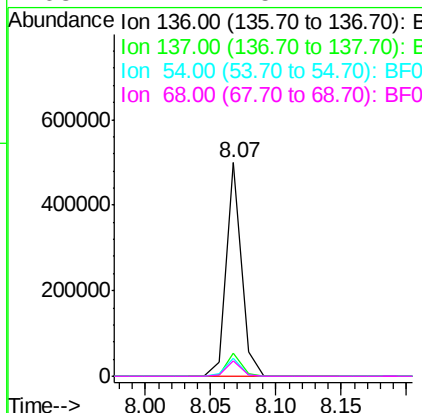
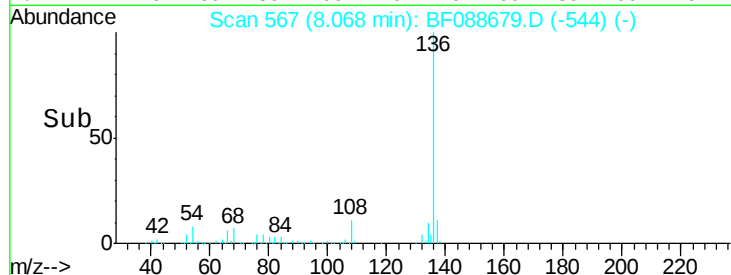


Tot Ion	136	Resp	405064
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	8.5	6.6	10.0
68	7.1	5.1	7.7

Manual Integrations

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#23

Nitrobenzene-d5

Concen: 73.20 ng

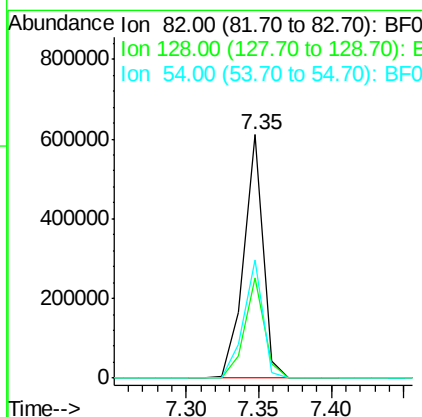
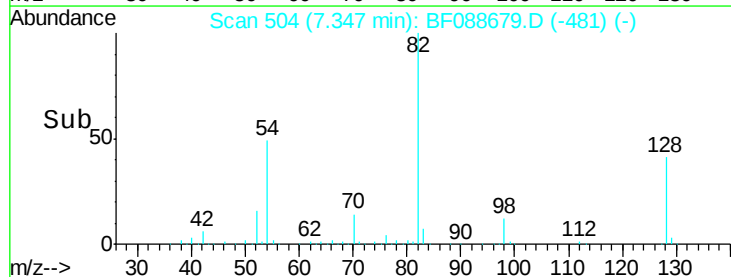
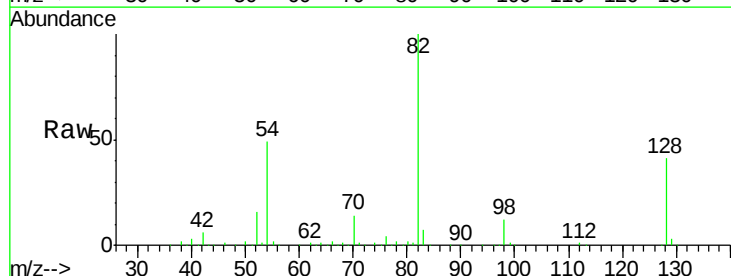
RT: 7.35 min Scan# 504

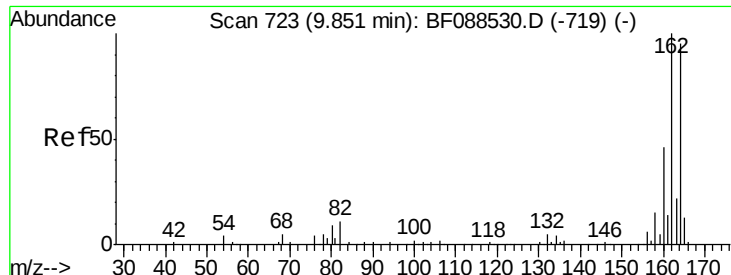
Delta R.T. -0.03 min

Lab File: BF088679.D

Acq: 4 Jul 2016 7:17

Tgt Ion	82	Resp	565789
Ion Ratio	Lower	Upper	
82	100		
128	41.0	35.9	53.9
54	48.5	40.9	61.3





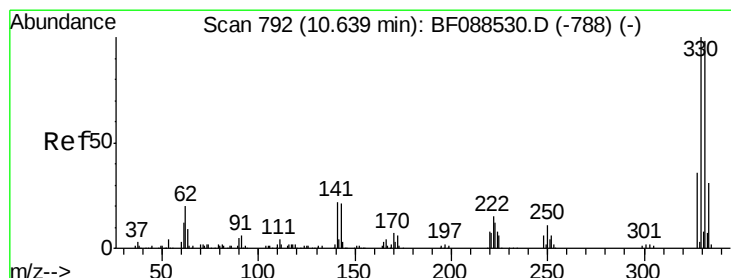
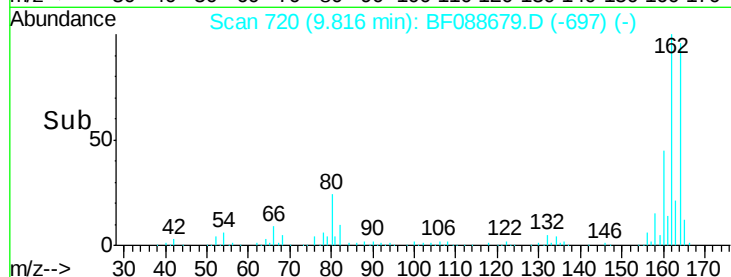
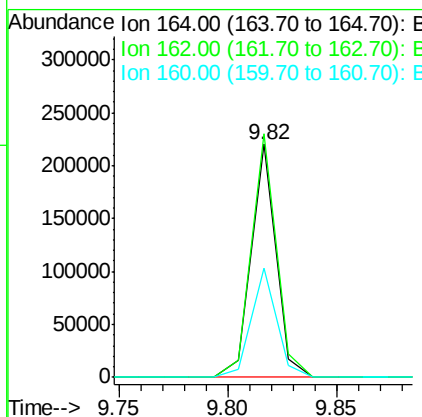
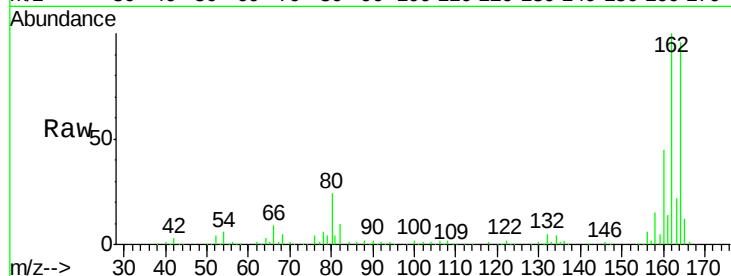
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.03 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Instrument :
BNA_F
ClientSampleId :
EPHC-B4(00-0.5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.4	85.4	128.2
160	46.9	39.5	59.3

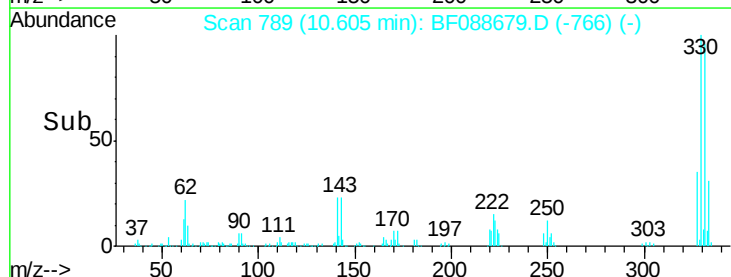
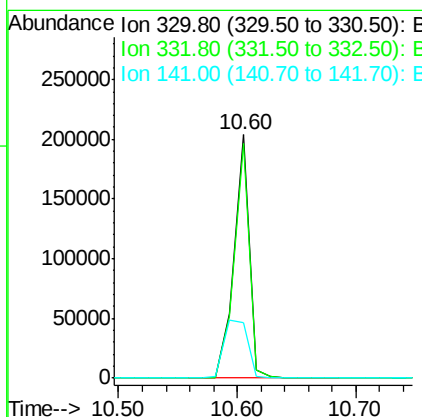
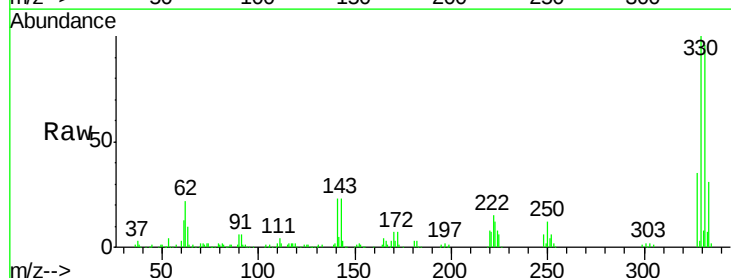
Manual Integrations

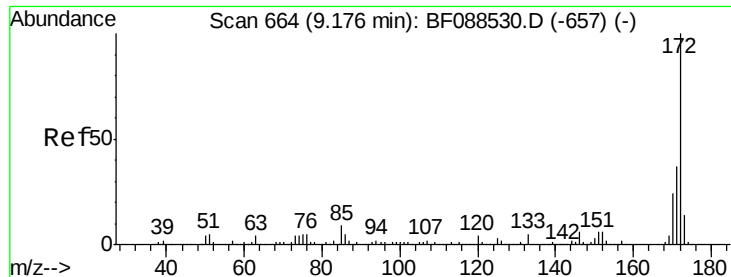
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#41
2,4,6-Tribromophenol
Concen: 113.80 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.03 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	36.7	0.0	0.0#





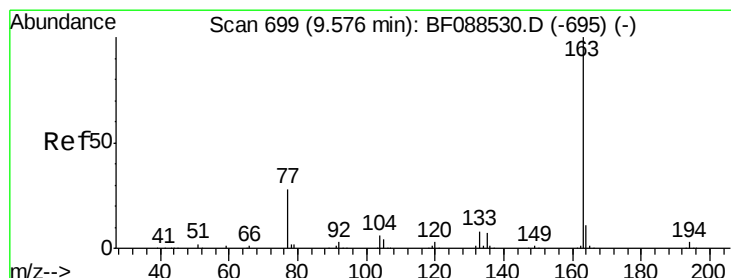
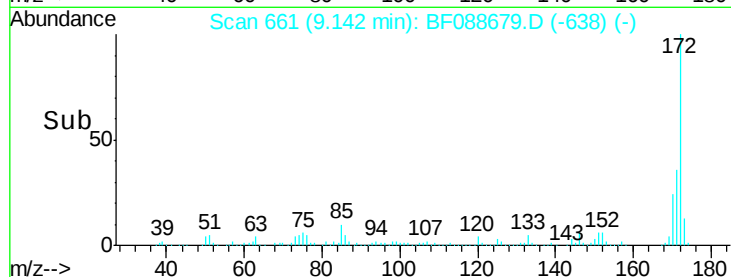
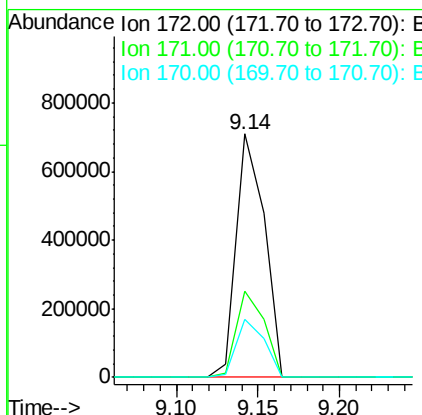
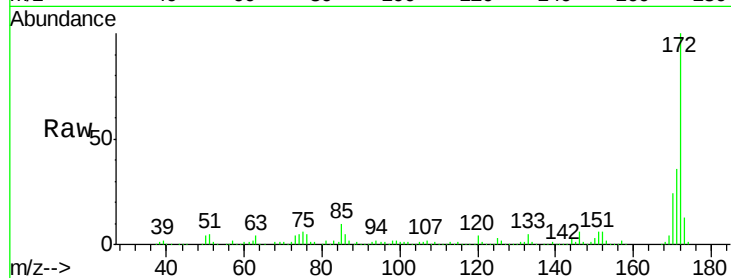
#44
2-Fluorobiphenyl
Concen: 76.37 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.03 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Instrument :
BNA_F
ClientSampleId :
EPHC-B4(00-0.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
172	100		842531		
171	35.6		28.6	43.0	
170	24.0		19.2	28.8	

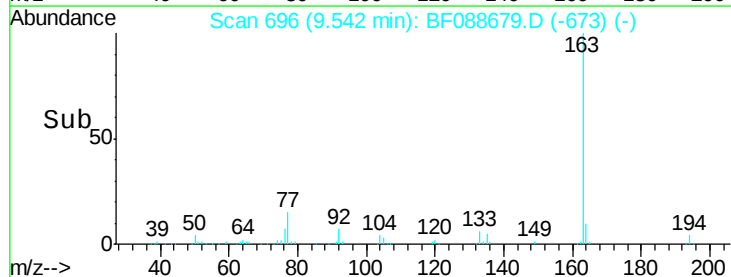
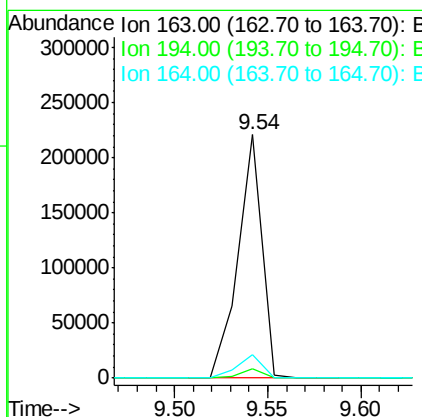
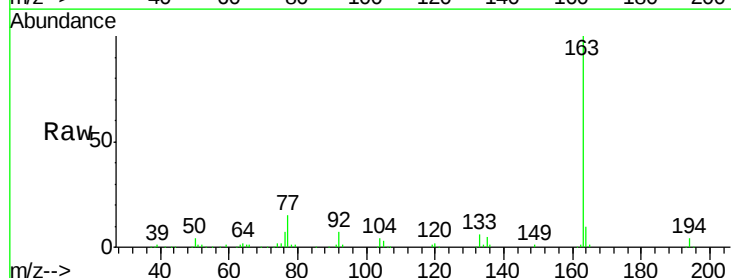
Manual Integrations

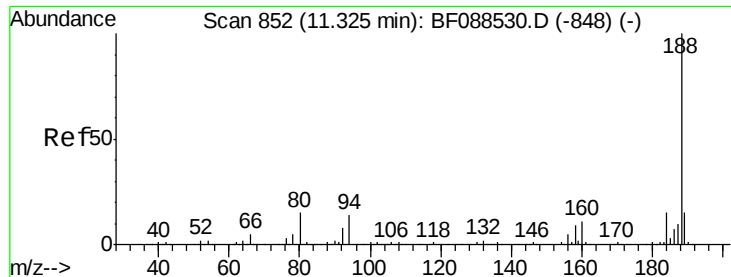
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#49
Dimethylphthalate
Concen: 16.03 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		198991		
194	3.7		2.8	4.2	
164	9.7		8.3	12.5	





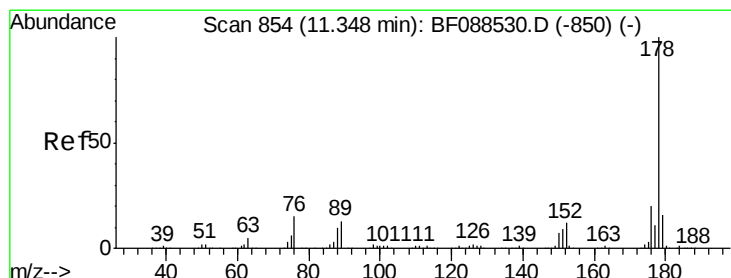
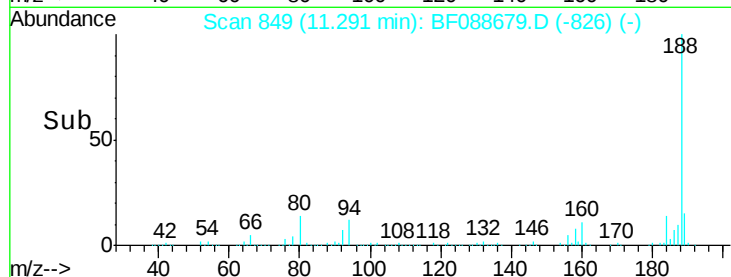
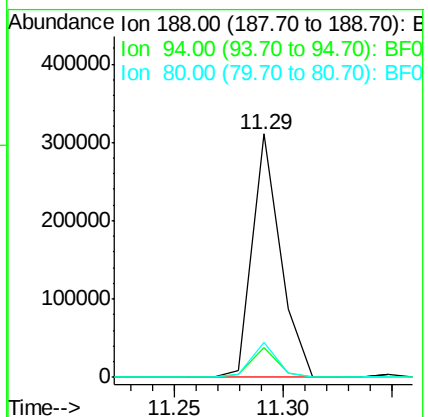
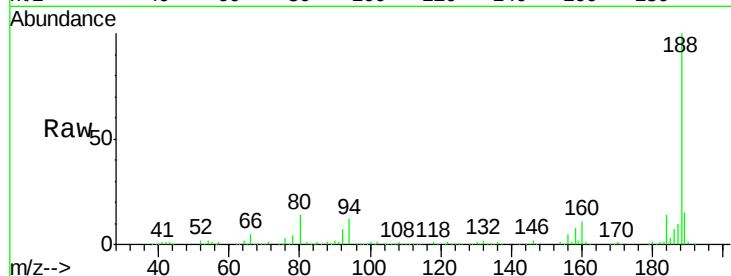
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 849
Delta R.T. -0.03 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Instrument :
BNA_F
ClientSampleId :
EPHC-B4(00-0.5)

Tot Ion	Ratio	Lower	Upper
188	100		
94	12.4	9.0	13.6
80	14.2	10.0	15.0

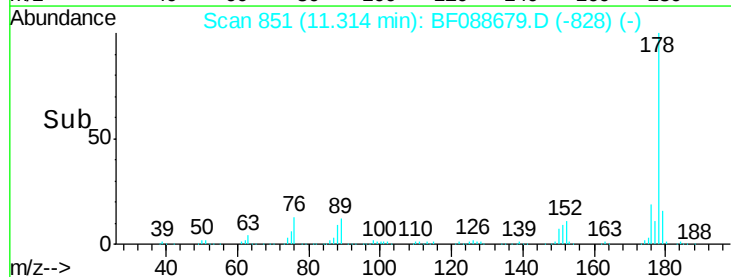
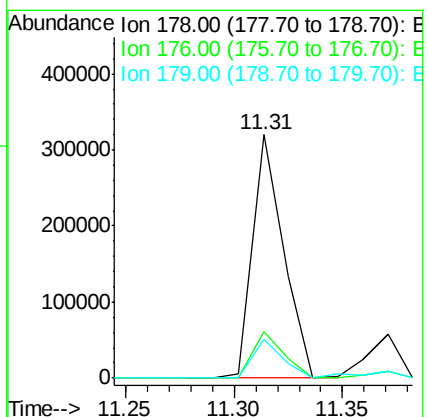
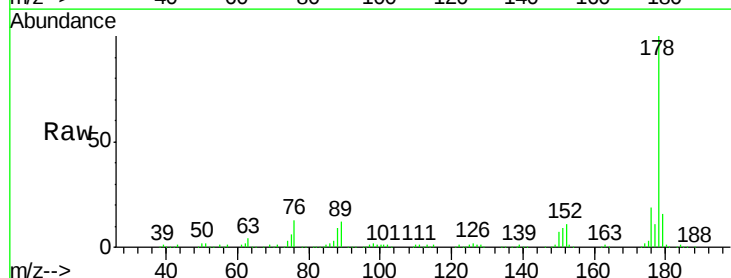
Manual Integrations

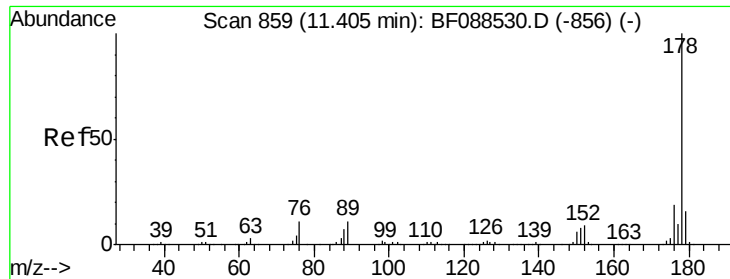
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#70
Phenanthrene
Concen: 20.76 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.03 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.6
179	15.8	13.0	19.4





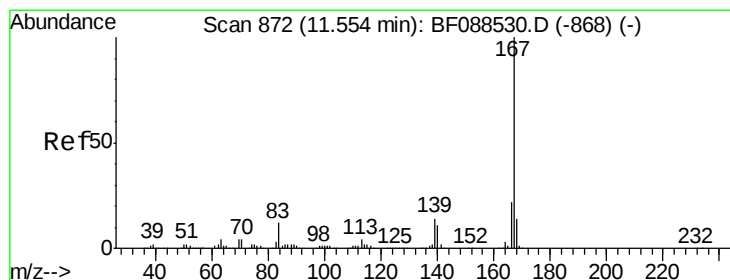
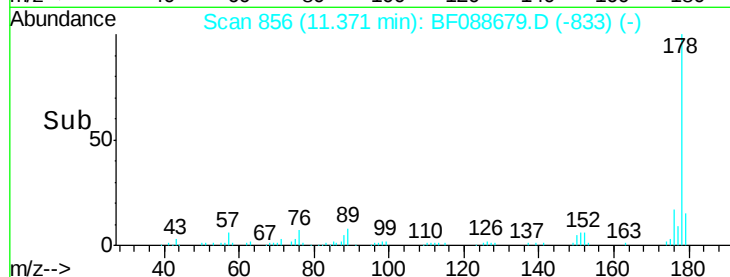
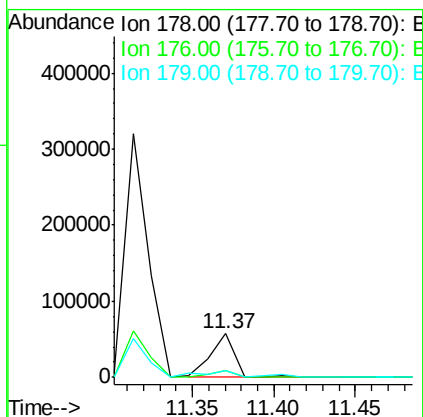
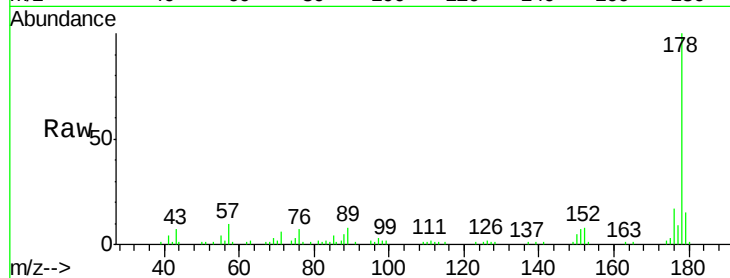
#71
 Anthracene
 Concen: 3.76 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.03 min
 Lab File: BF088679.D
 Acq: 4 Jul 2016 7:17

Instrument :
 BNA_F
 ClientSampleId :
 EPHC-B4(00-0.5)

Tot Ion:178 Resp: 57227
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.6 23.4
 179 15.1 12.8 19.2

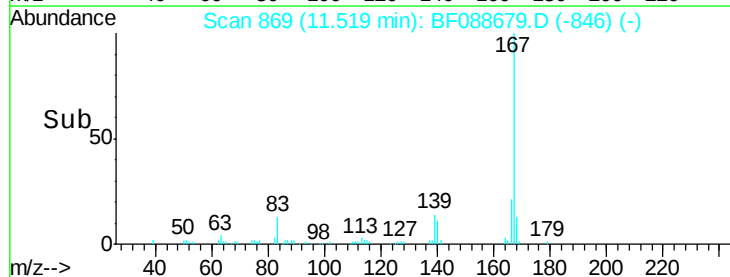
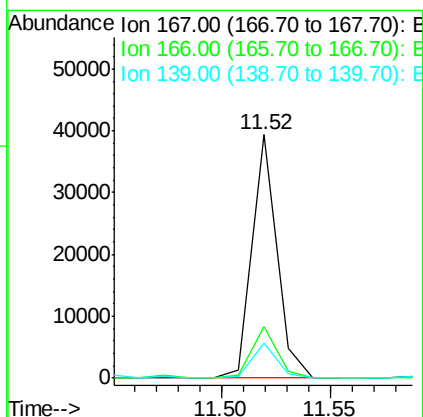
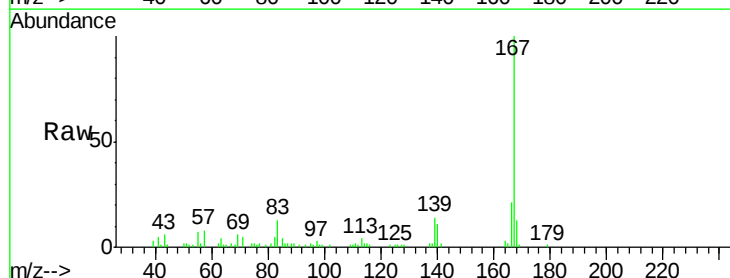
Manual Integrations

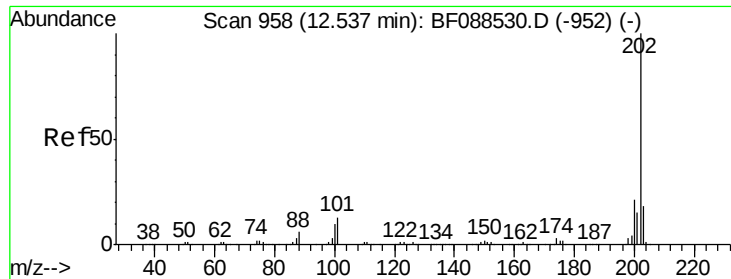
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#72
 Carbazole
 Concen: 2.19 ng
 RT: 11.52 min Scan# 869
 Delta R.T. -0.03 min
 Lab File: BF088679.D
 Acq: 4 Jul 2016 7:17

Tgt Ion:167 Resp: 31300
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.8 26.6
 139 14.1 11.2 16.8





#74

Fluoranthene

Concen: 24.96 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.03 min

Lab File: BF088679.D

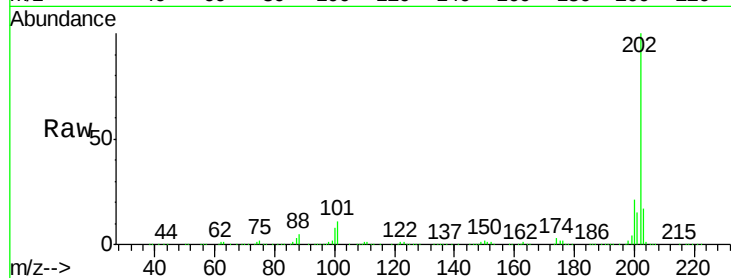
Acq: 4 Jul 2016 7:17

Instrument :

BNA_F

ClientSampleId :

EPHC-B4(00-0.5)

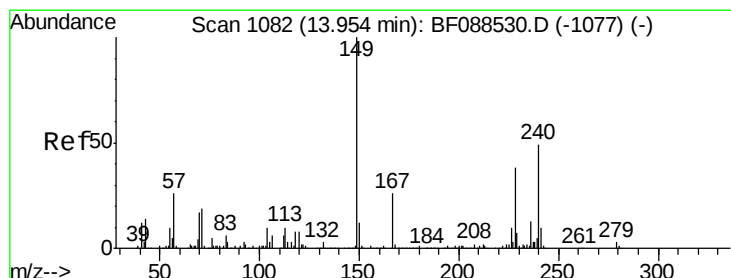
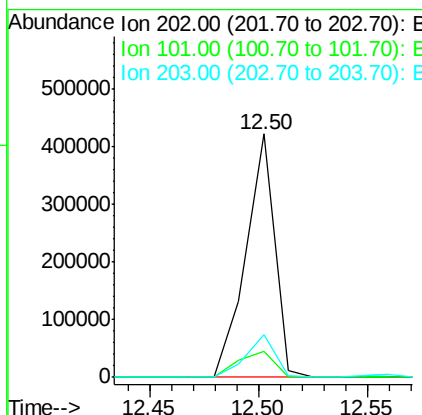
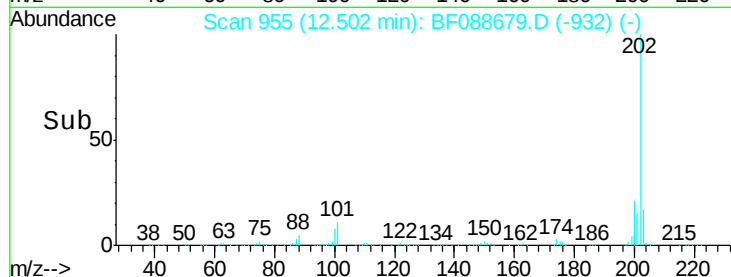


Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		387090		
101	10.6	0.0	33.1		
203	17.4	0.0	38.1		

Manual Integrations

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#75

Chrysene-d12

Concen: 20.00 ng

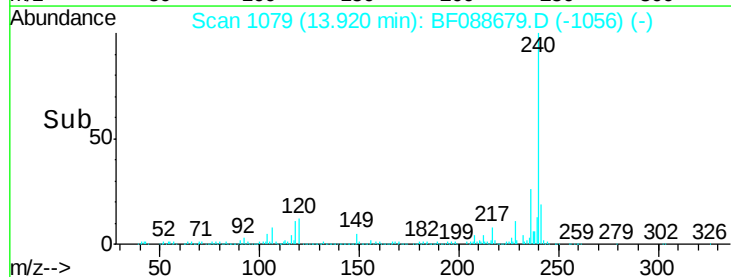
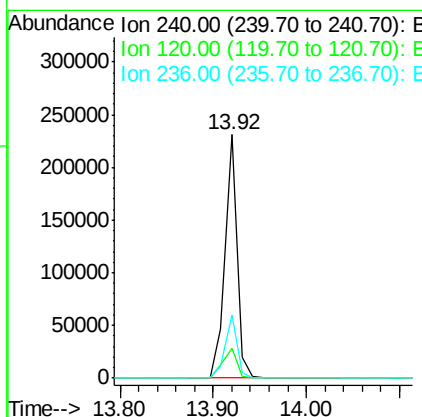
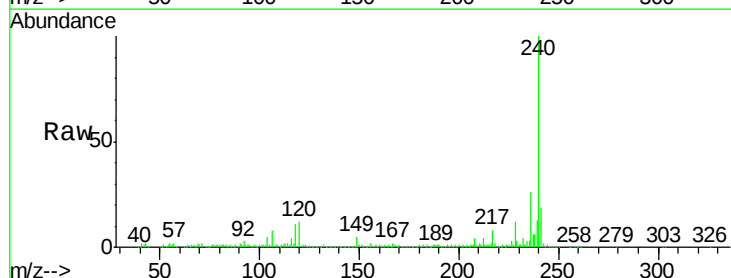
RT: 13.92 min Scan# 1079

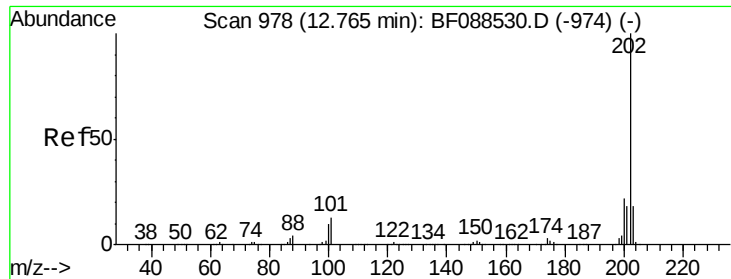
Delta R.T. -0.03 min

Lab File: BF088679.D

Acq: 4 Jul 2016 7:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		208019		
120	12.2	6.8	10.2#		
236	25.8	20.2	30.2		





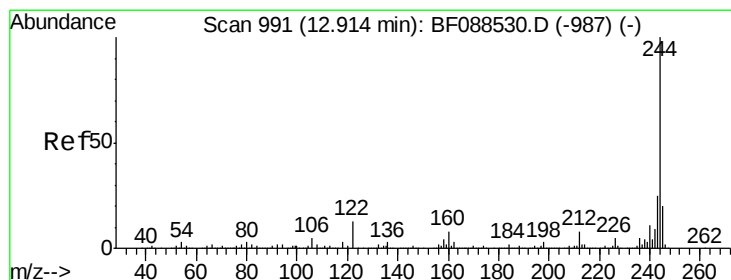
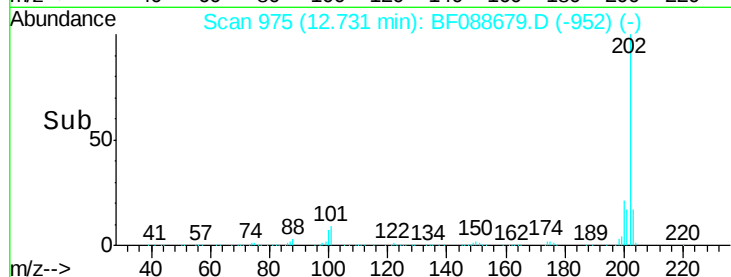
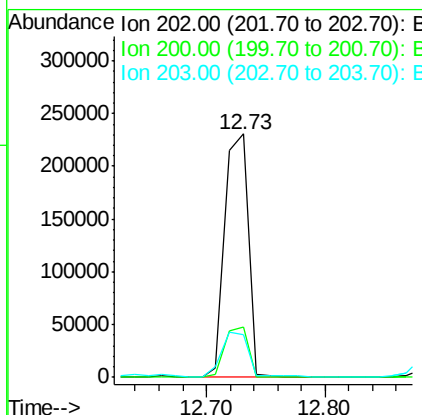
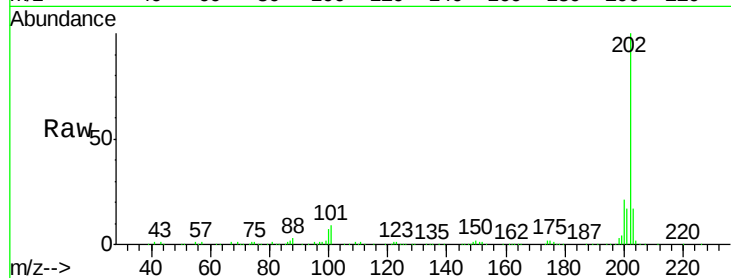
#77
Pvrene
Concen: 17.83 ng
RT: 12.73 min Scan# 975
Delta R.T. -0.03 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Instrument :
BNA_F
ClientSampleId :
EPHC-B4(00-0.5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.3	14.5	21.7

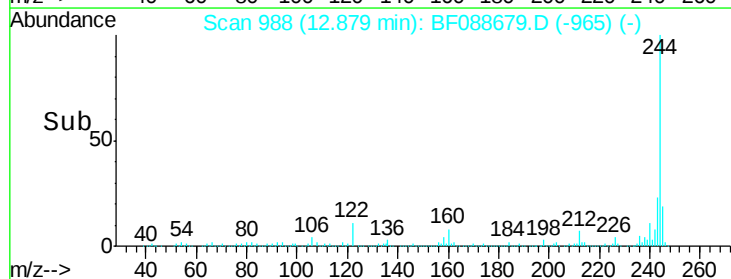
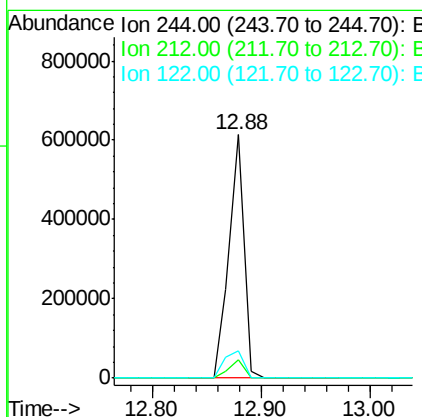
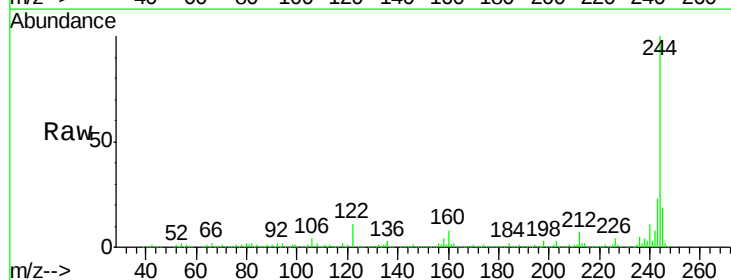
Manual Integrations

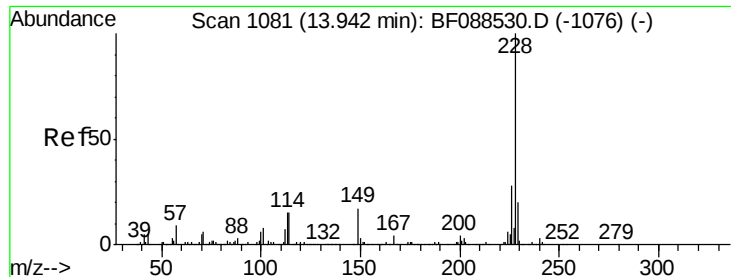
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#78
Terphenyl-d14
Concen: 63.20 ng
RT: 12.88 min Scan# 988
Delta R.T. -0.03 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	11.4	11.2	16.8





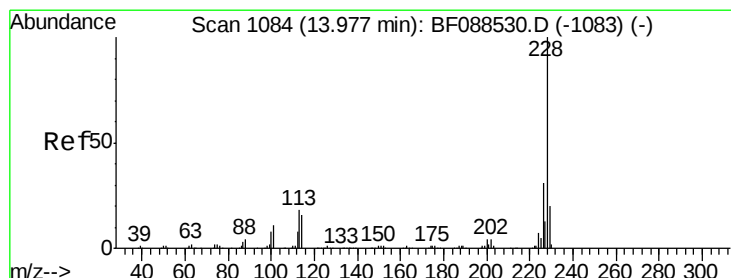
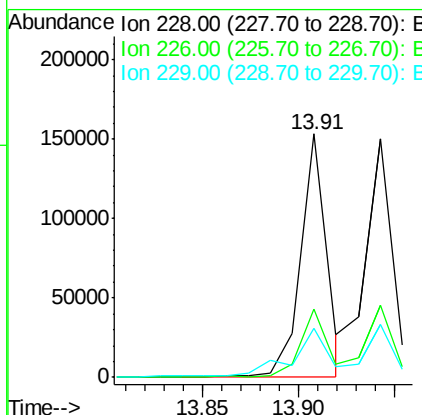
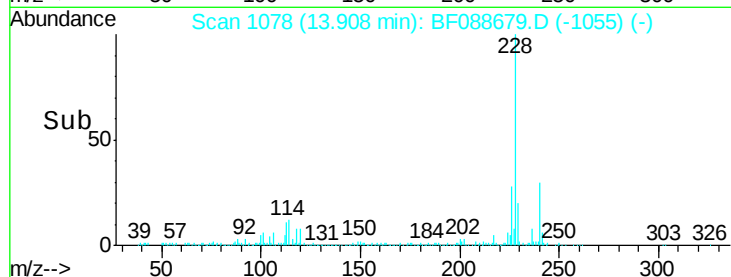
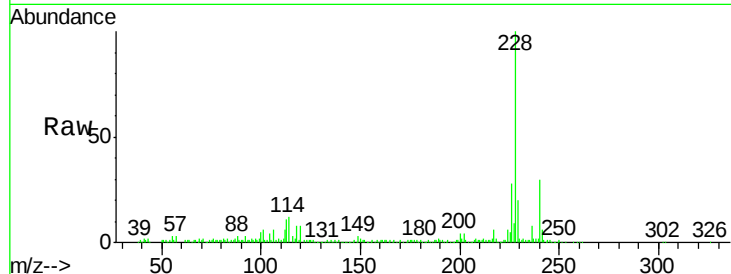
#80
Benzo(a)anthracene
Concen: 10.93 ng m
RT: 13.91 min Scan# 1078
Delta R.T. -0.03 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Instrument :
BNA_F
ClientSampleId :
EPHC-B4(00-0.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.3	33.5
229	20.0	16.0	24.0

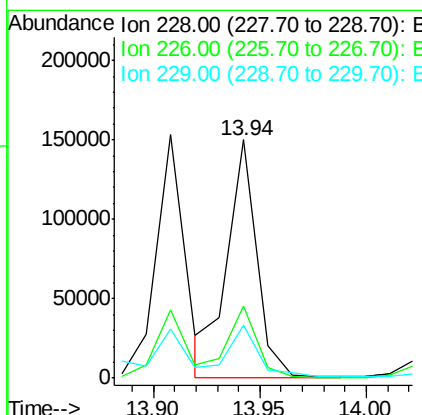
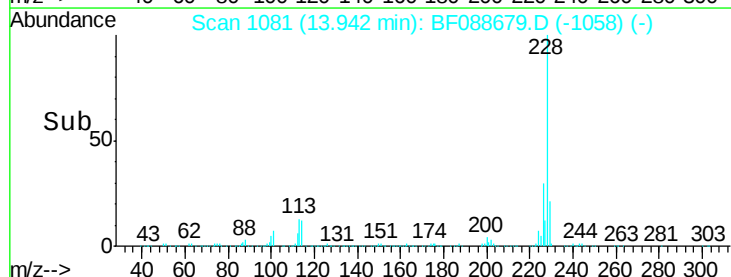
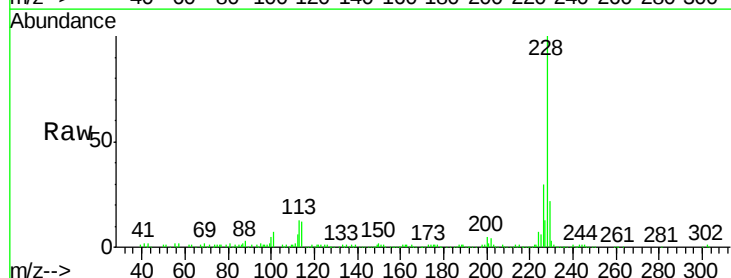
Manual Integrations

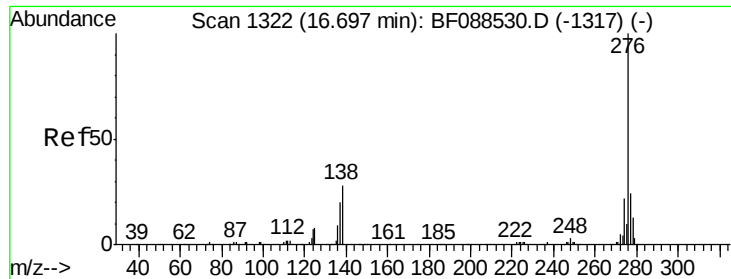
umangi
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#82
Chrysene
Concen: 10.99 ng m
RT: 13.94 min Scan# 1081
Delta R.T. -0.03 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.2
229	22.2	16.3	24.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.58 ng

RT: 16.64 min Scan# 1317

Delta R.T. -0.06 min

Lab File: BF088679.D

Acq: 4 Jul 2016 7:17

Instrument :

BNA_F

ClientSampleId :

EPHC-B4(00-0.5)

Tot Ion:276 Resp: 77278

Ion Ratio Lower Upper

276 100

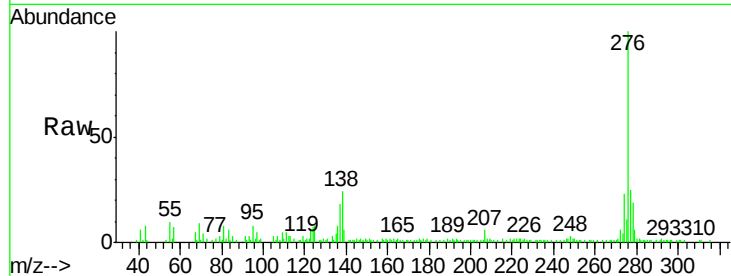
138 25.6 0.0 0.0#

277 27.1 0.0 0.0#

Manual Integrations

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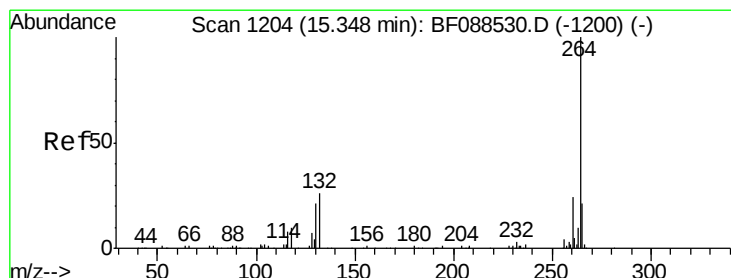
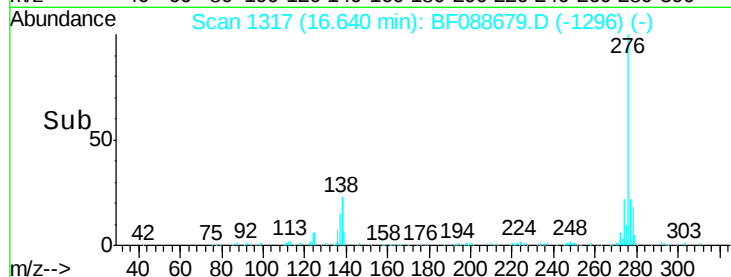
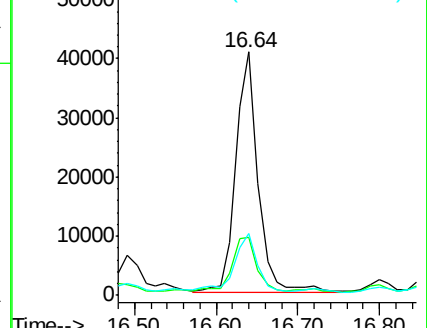
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.31 min Scan# 1201

Delta R.T. -0.03 min

Lab File: BF088679.D

Acq: 4 Jul 2016 7:17

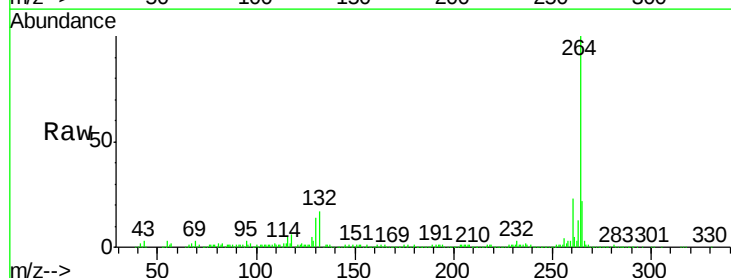
Tgt Ion:264 Resp: 207388

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

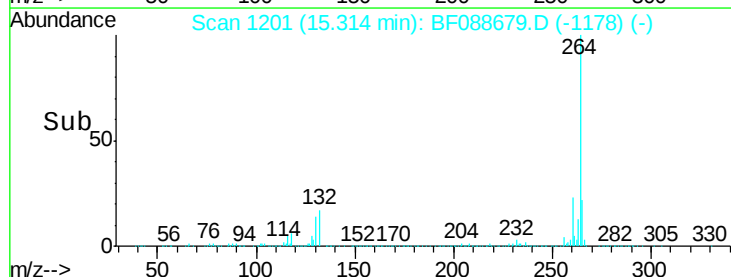
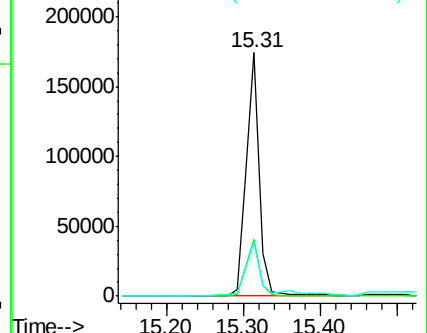
265 22.2 16.9 25.3

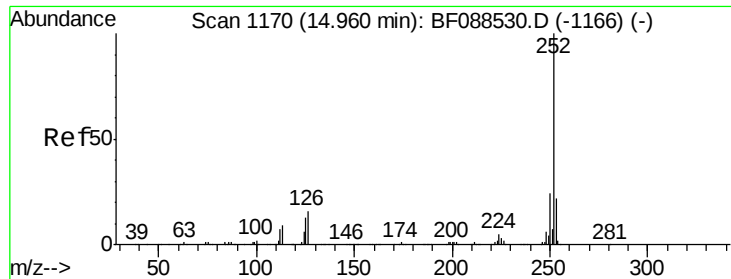


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





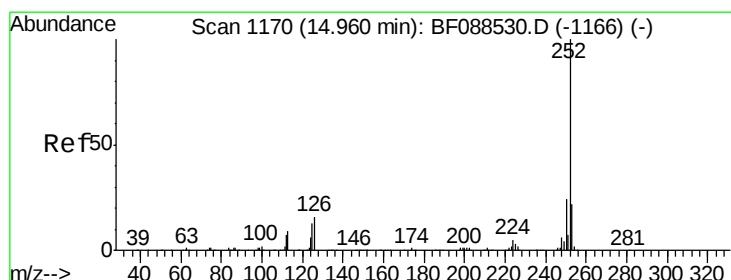
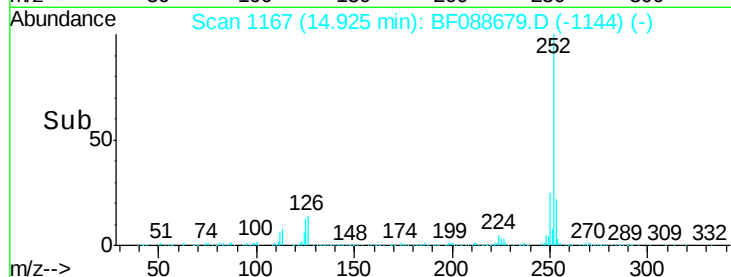
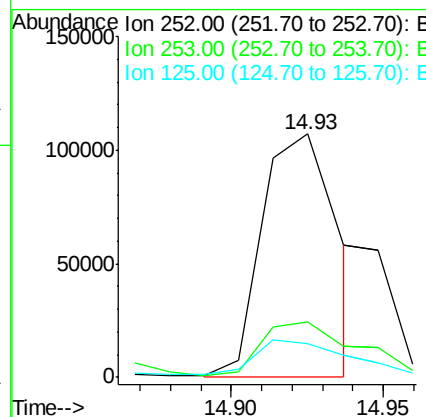
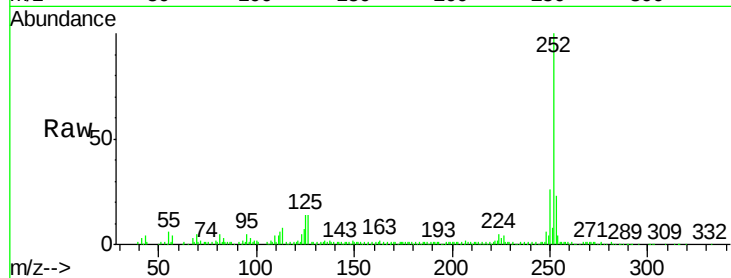
#87
Benzo(b)fluoranthene
Concen: 14.22 ng m
RT: 14.93 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Instrument :
BNA_F
ClientSampleId :
EPHC-B4(00-0.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	14.0	7.1	10.7

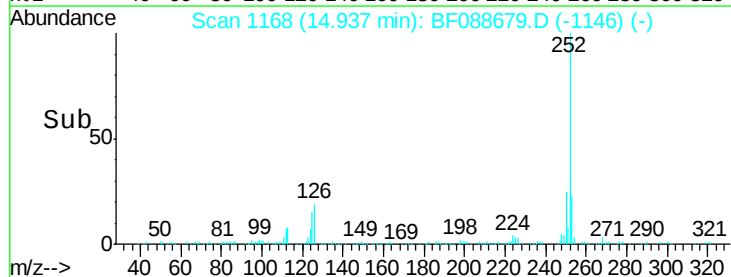
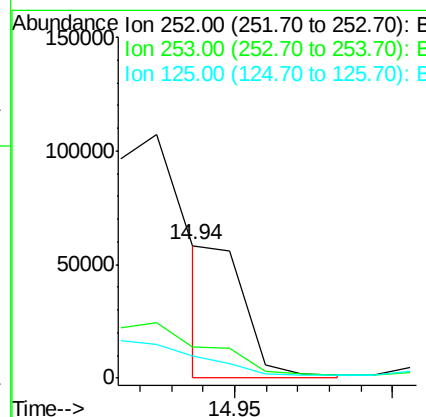
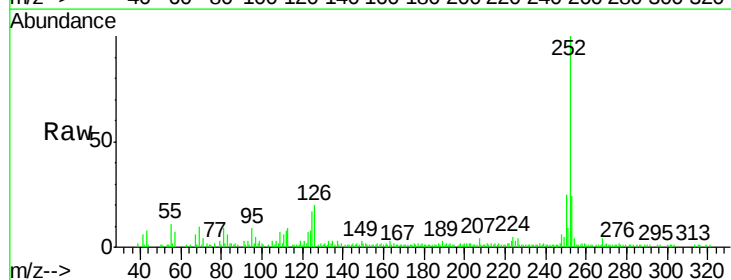
Manual Integrations

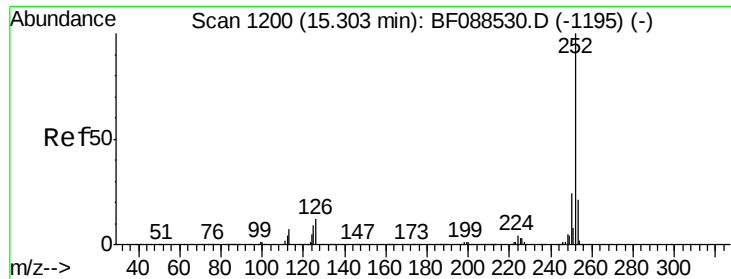
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#88
Benzo(k)fluoranthene
Concen: 3.94 ng m
RT: 14.94 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	16.6	11.2	16.8





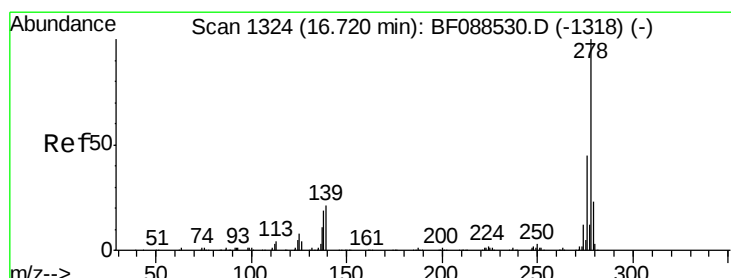
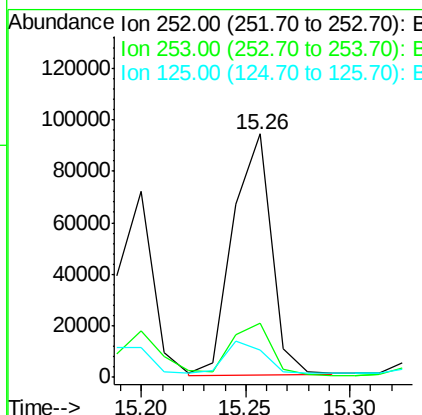
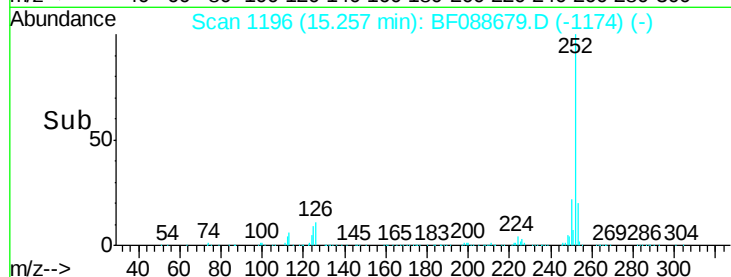
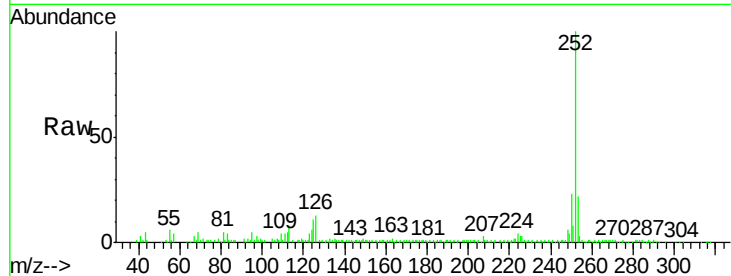
#89
Benzo(a)pyrene
Concen: 10.98 ng/ml
RT: 15.26 min Scan# 1196
Delta R.T. -0.05 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Instrument :
BNA_F
ClientSampleId :
EPHC-B4(00-0.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	11.5	12.5	18.7

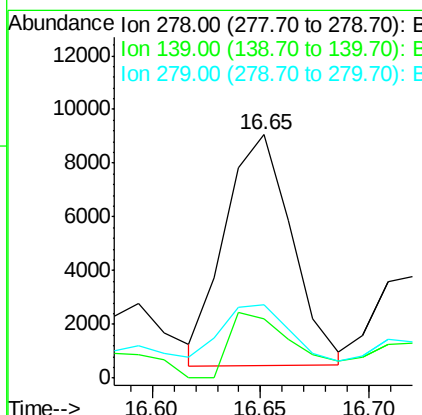
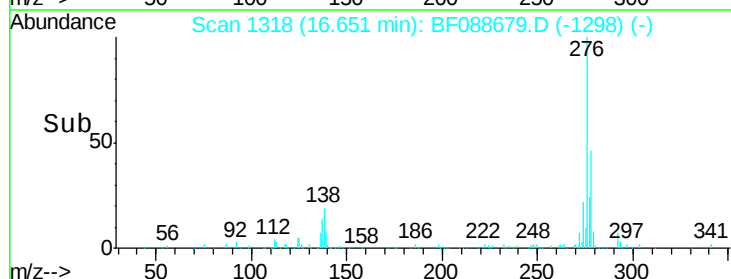
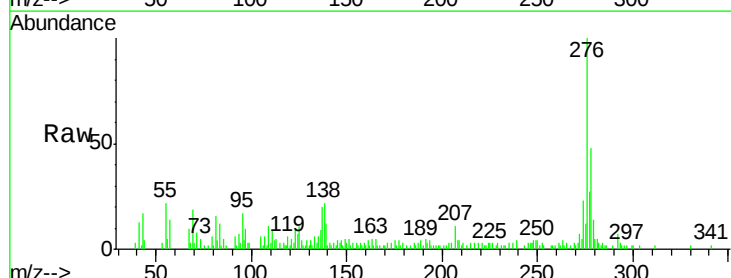
Manual Integrations

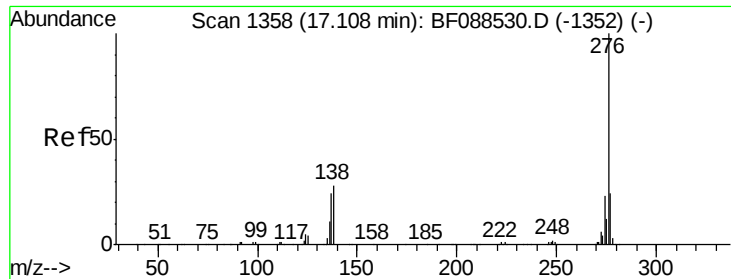
umangi
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#90
Dibenzo(a,h)anthracene
Concen: 2.01 ng
RT: 16.65 min Scan# 1318
Delta R.T. -0.07 min
Lab File: BF088679.D
Acq: 4 Jul 2016 7:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.4	15.7	23.5
279	30.0	19.4	29.2





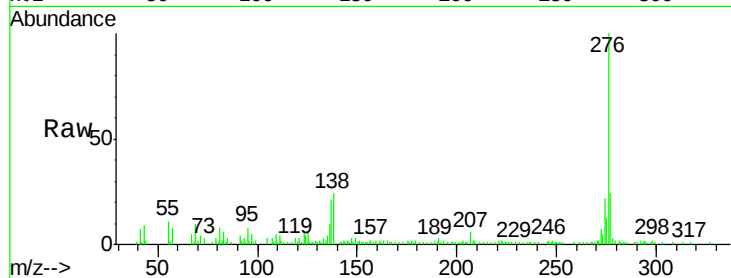
#91
 Benzo(a,h,i)perylene
 Concen: 7.34 ng
 RT: 17.04 min Scan# 1352
 Delta R.T. -0.07 min
 Lab File: BF088679.D
 Acq: 4 Jul 2016 7:17

Instrument :
 BNA_F
 ClientSampleId :
 EPHC-B4(00-0.5)

Tot Ion:	276	Resp:	69841
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.9	28.3
138	24.5	21.4	32.2

Manual Integrations

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

