

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
 Data File : BF088612.D
 Acq On : 2 Jul 2016 12:47
 Operator : UM/SJ
 Sample : H3769-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B2(00-0.5)

Manual Integrations

umangi
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Quant Time: Jul 05 07:17:31 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	6.80	152	105996	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	426600	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	183390	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	328428	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	190129	20.00	ng	-0.01
86) Perylene-d12	15.35	264	223061	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	769849	108.85	ng	-0.01
7) Phenol-d6	6.44	99	1060051	116.00	ng	0.00
23) Nitrobenzene-d5	7.36	82	604884	74.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	165561	97.22	ng	-0.02
44) 2-Fluorobiphenyl	9.16	172	981798	84.56	ng	-0.01
78) Terphenyl-d14	12.89	244	1289284	151.04	ng	-0.02

Target Compounds

						Qvalue
49) Dimethylphthalate	9.55	163	140248	10.73	ng	100
59) Diethylphthalate	10.24	149	38537	2.94	ng	98
70) Phenanthrene	11.34	178	280301	15.61	ng	98
71) Anthracene	11.38	178	79319	4.44	ng	98
73) Di-n-butylphthalate	11.87	149	230725	11.81	ng	99
74) Fluoranthene	12.51	202	530417	29.14	ng	95
77) Pyrene	12.74	202	477857	29.64	ng	99
79) Butylbenzylphthalate	13.37	149	30683m	4.27	ng	
80) Benzo(a)anthracene	13.93	228	263639	21.53	ng	98
82) Chrysene	13.97	228	252857m	20.88	ng	
83) Bis(2-ethylhexyl)phthalate	13.94	149	494001	60.17	ng	# 99
84) Di-n-octyl phthalate	14.58	149	399531m	28.65	ng	
85) Indeno(1,2,3-cd)pyrene	16.69	276	149107	16.00	ng	# 100
87) Benzo(b)fluoranthene	14.95	252	333491m	23.83	ng	
88) Benzo(k)fluoranthene	14.96	252	124058m	10.18	ng	
89) Benzo(a)pyrene	15.29	252	241258	20.36	ng	96
90) Dibenzo(a,h)anthracene	16.69	278	38556m	3.90	ng	
91) Benzo(g,h,i)perylene	17.09	276	142613	13.93	ng	97

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

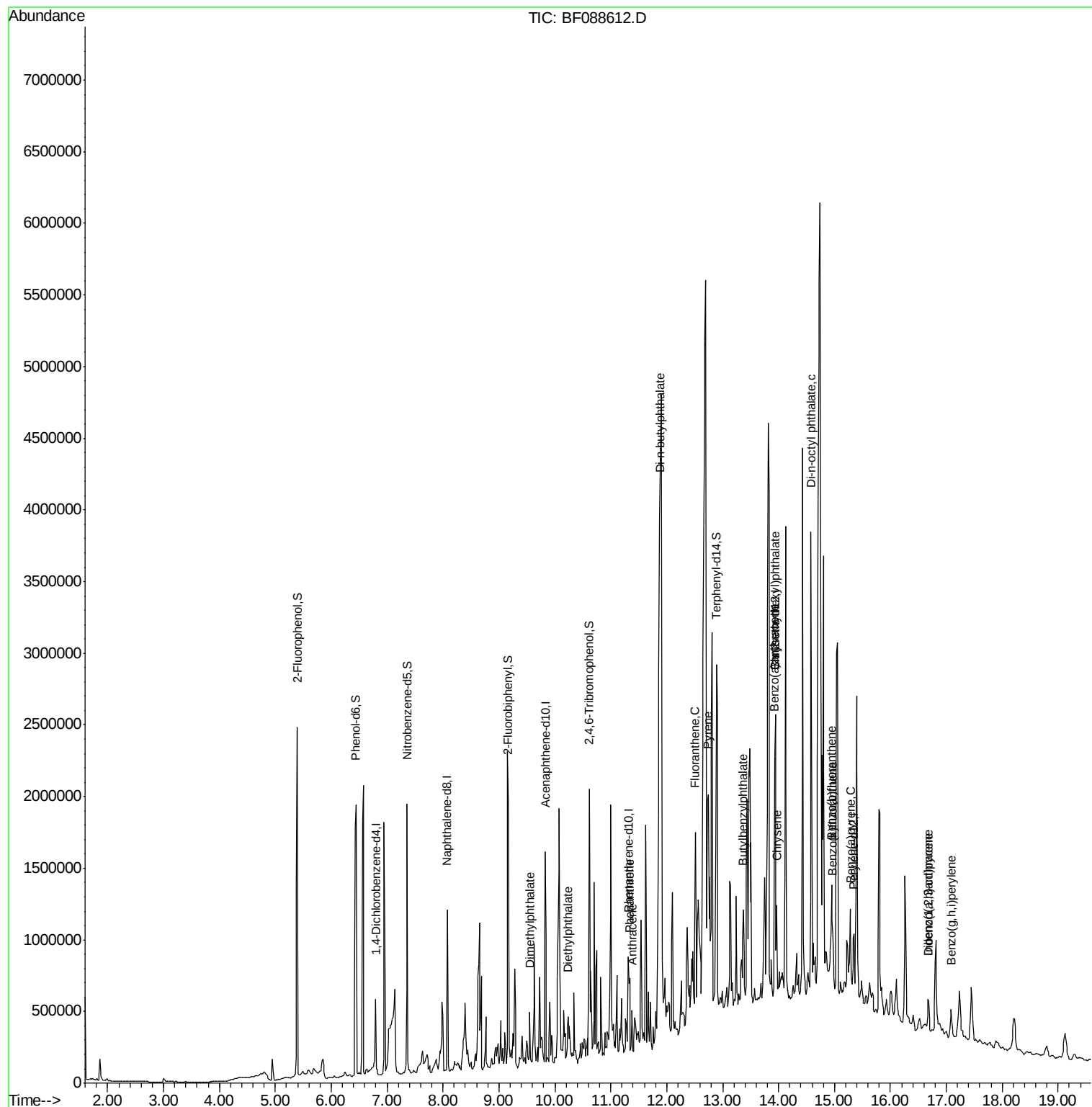
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088612.D
Acq On : 2 Jul 2016 12:47
Operator : UM/SJ
Sample : H3769-03
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ALS Vial : 3 Sample Multiplier: 1

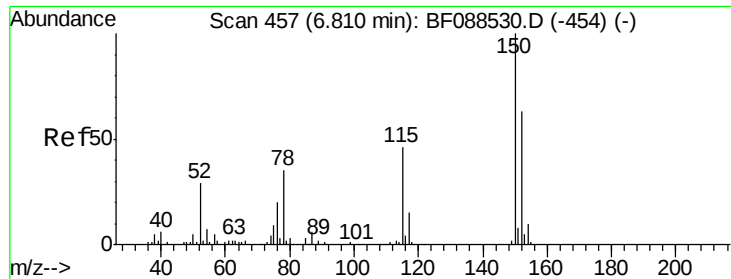
Instrument :
BNA_F
ClientSampleId :
EPCH-B2(00-0.5)

Manual Integrations

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Quant Time: Jul 05 07:17:31 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





#1

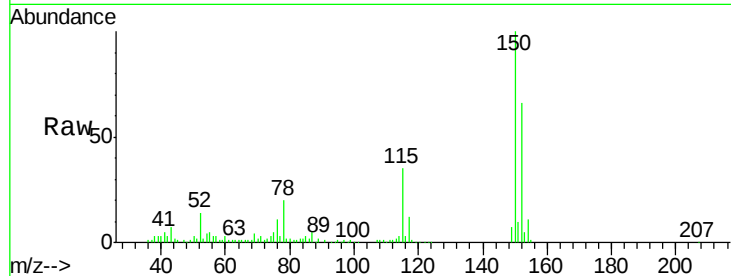
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF088612.D
Acq: 2 Jul 2016 12:47

Instrument :
BNA_F
ClientSampled :
EPCH-B2(00-0.5)

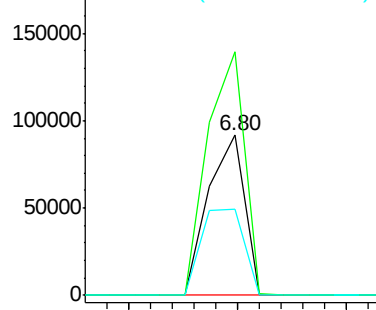
Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.3	123.8	185.6
115	53.6	39.6	59.4

Manual Integrations

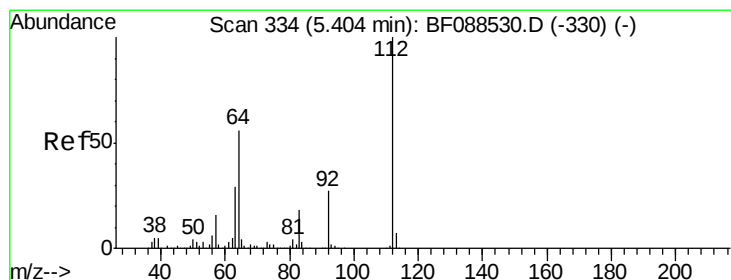
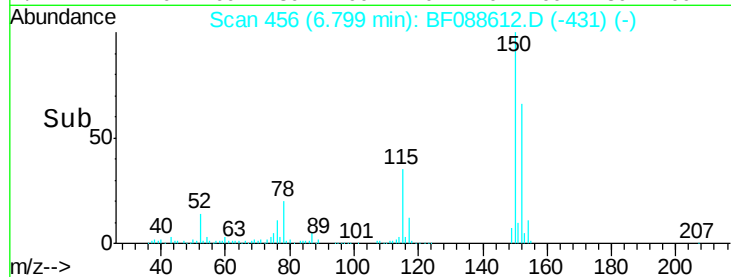
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



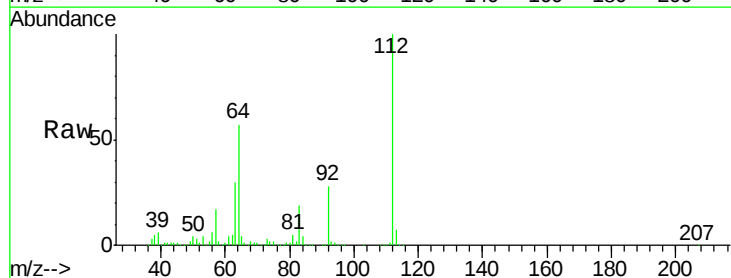
Time-->



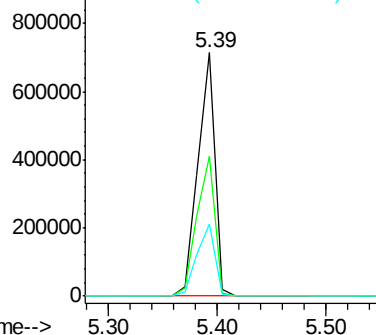
#5

2-Fluorophenol
Concen: 108.85 ng
RT: 5.39 min Scan# 333
Delta R.T. -0.01 min
Lab File: BF088612.D
Acq: 2 Jul 2016 12:47

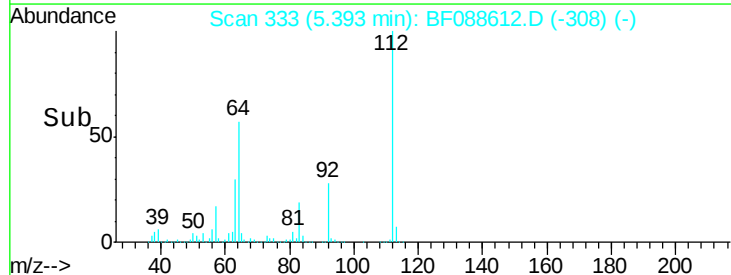
Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	42.2	63.2
63	29.7	21.8	32.8

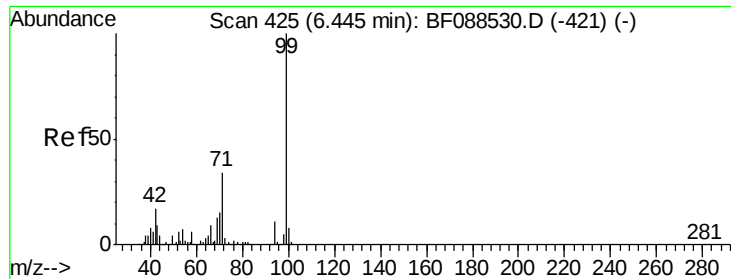


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0



Time-->





#7

Phenol-d6

Concen: 116.00 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF088612.D

Acq: 2 Jul 2016 12:47

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(00-0.5)

Tgt Ion: 99 Resp: 1060051

Ion Ratio Lower Upper

99 100

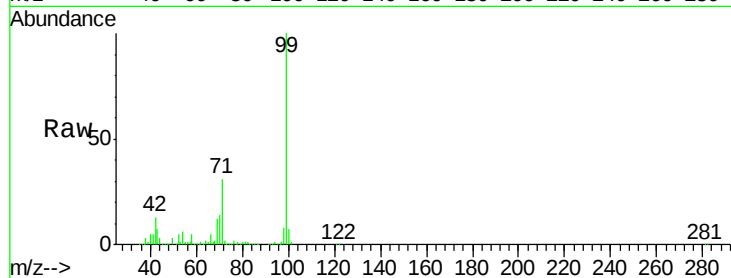
42 13.3 12.2 18.2

71 30.8 23.4 35.0

Manual Integrations

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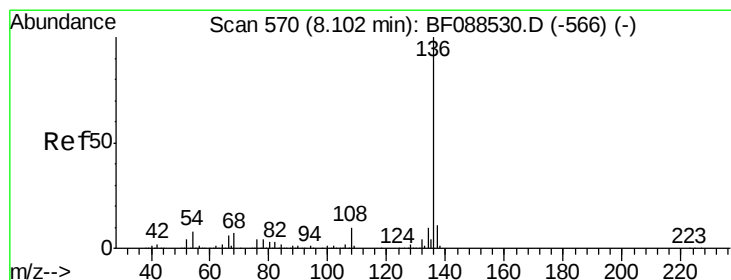
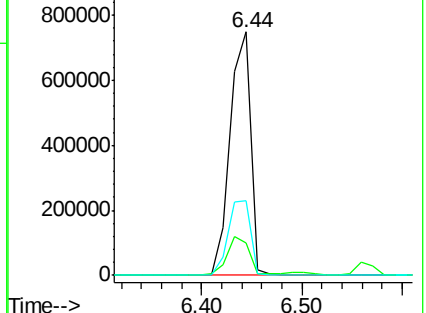
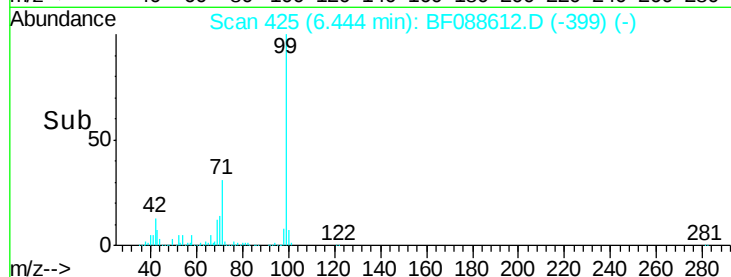
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 8.08 min Scan# 568

Delta R.T. -0.02 min

Lab File: BF088612.D

Acq: 2 Jul 2016 12:47

Tgt Ion: 136 Resp: 426600

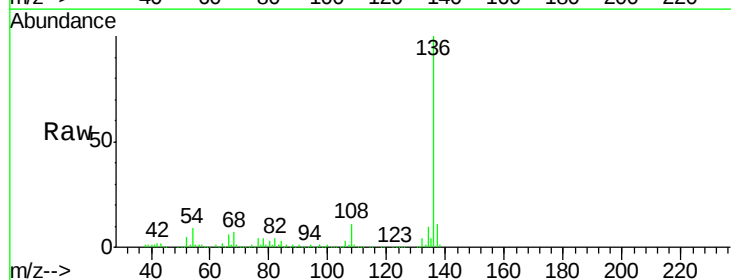
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.6 6.6 10.0

68 7.3 5.1 7.7

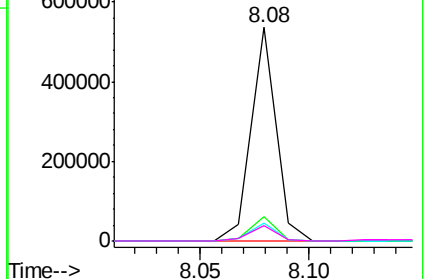
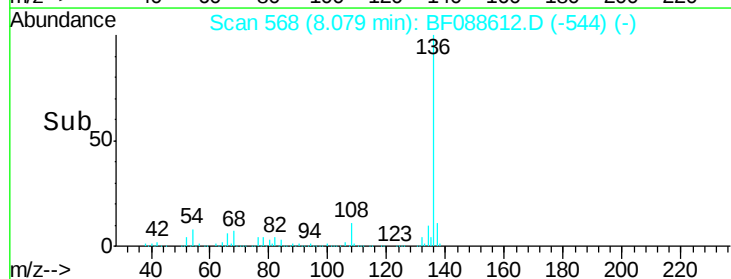


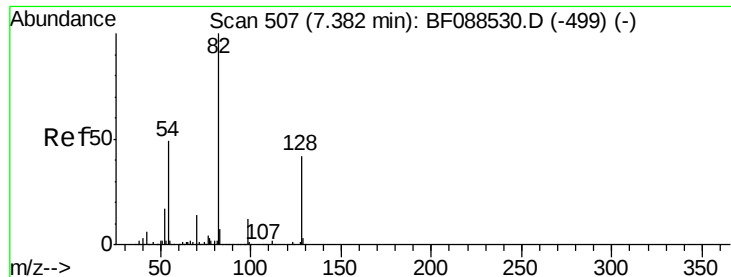
Abundance Ion 136.00 (135.70 to 136.70): E

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





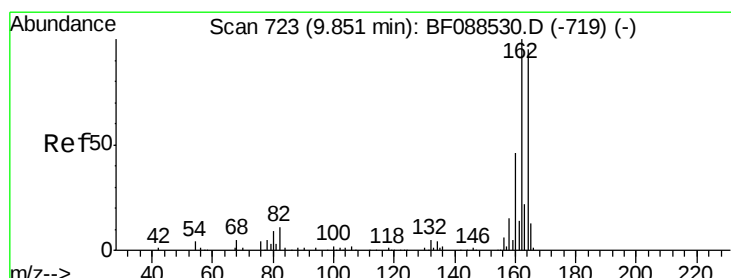
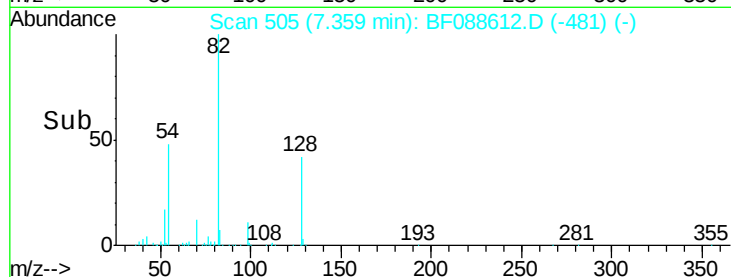
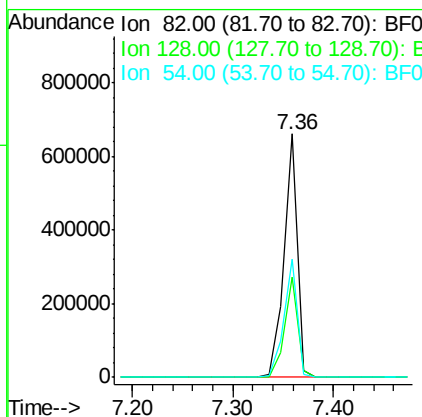
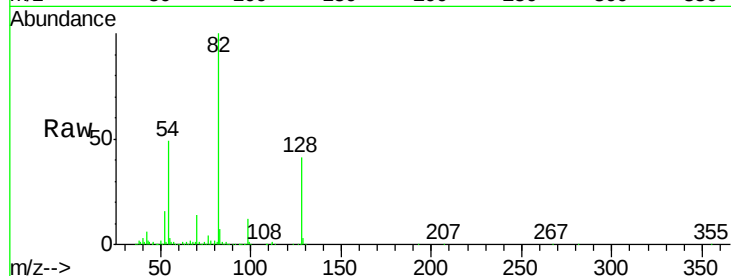
#23
Nitrobenzene-d5
Concen: 74.31 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.02 min
Lab File: BF088612.D
Acq: 2 Jul 2016 12:47

Instrument :
BNA_F
ClientSampleId :
EPCH-B2(00-0.5)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.0	35.9	53.9
54	48.6	40.9	61.3

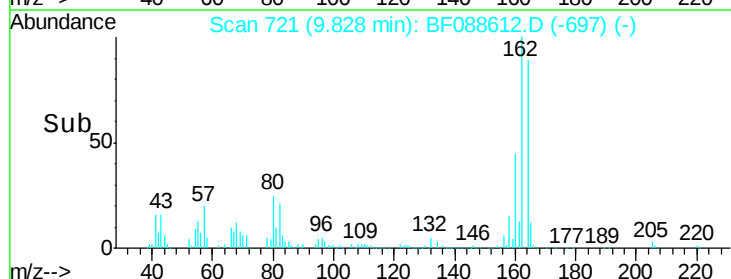
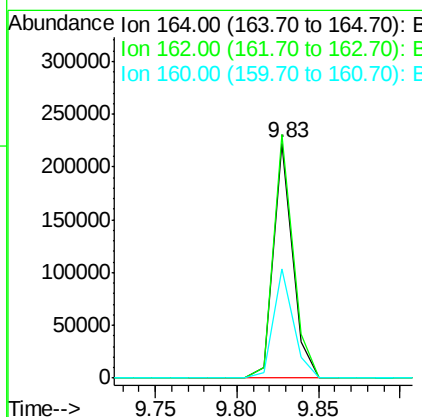
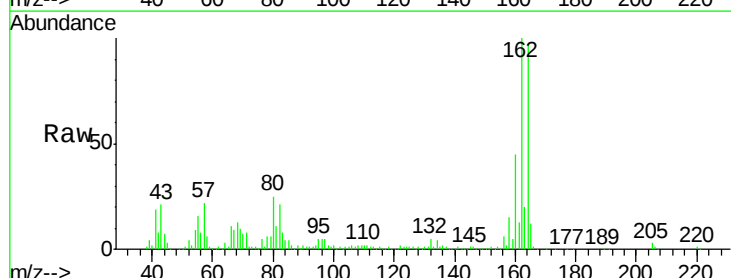
Manual Integrations

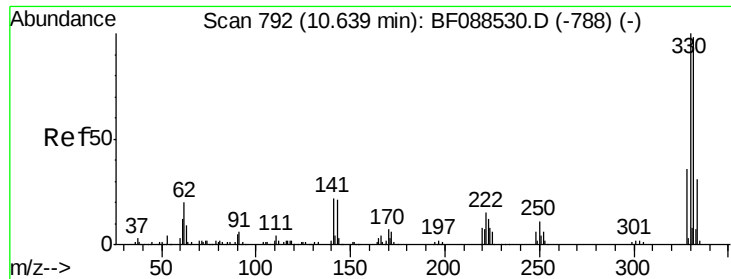
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF088612.D
Acq: 2 Jul 2016 12:47

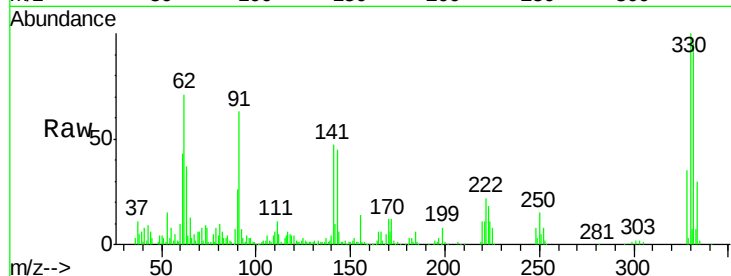
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	85.4	128.2
160	46.4	39.5	59.3





#41
 2,4,6-Tribromophenol
 Concen: 97.22 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF088612.D
 Acq: 2 Jul 2016 12:47

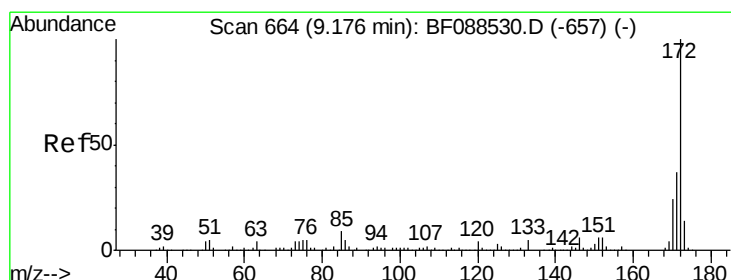
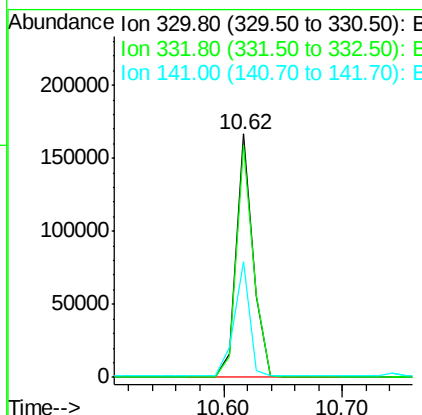
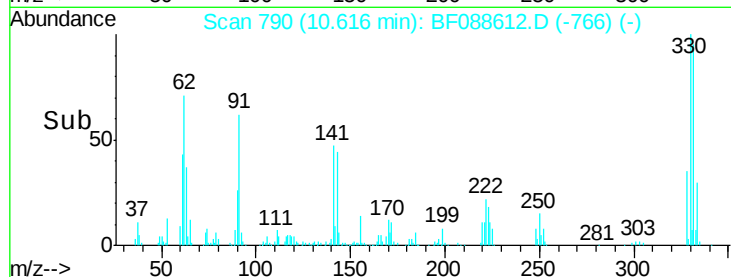
Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B2(00-0.5)



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	165561		
332	96.6	0.0	0.0	0.0
141	42.9	0.0	0.0	0.0

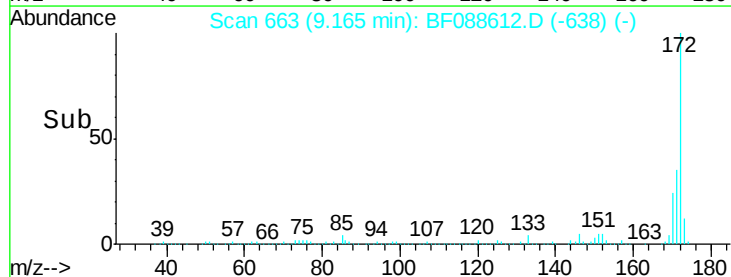
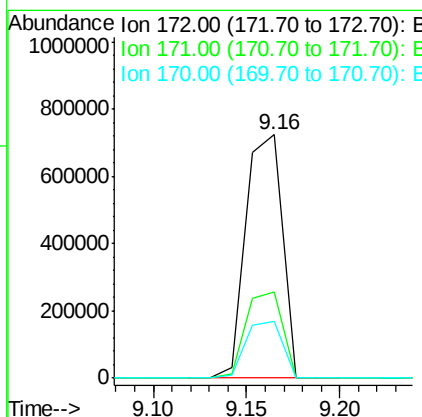
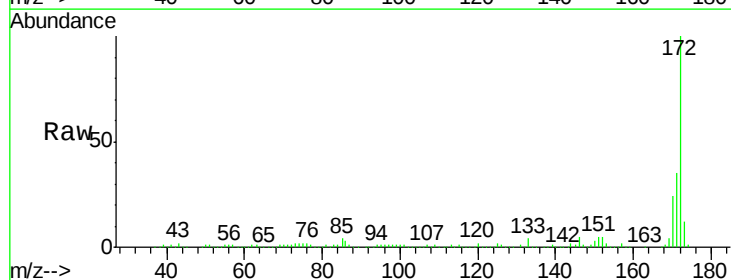
Manual Integrations

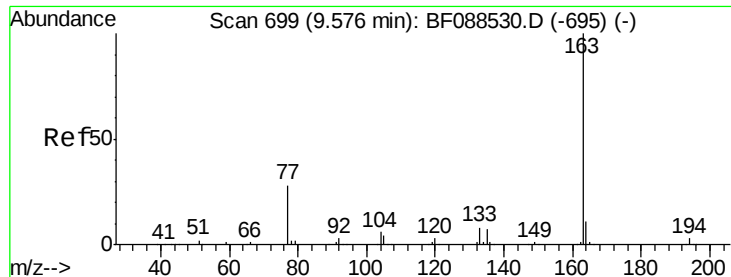
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#44
 2-Fluorobiphenyl
 Concen: 84.56 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF088612.D
 Acq: 2 Jul 2016 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	981798		
171	35.4	28.6	43.0	
170	23.5	19.2	28.8	





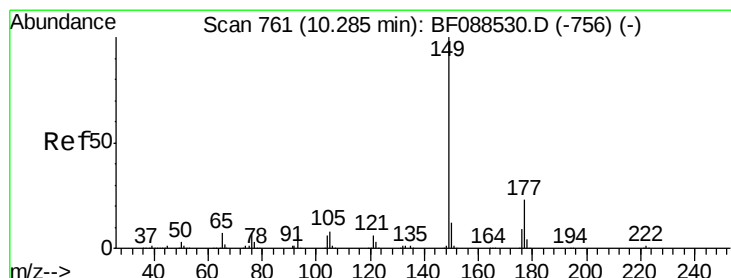
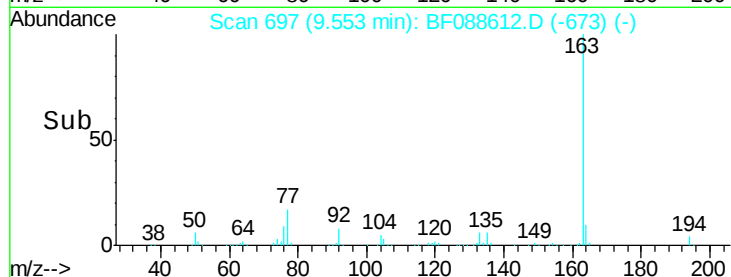
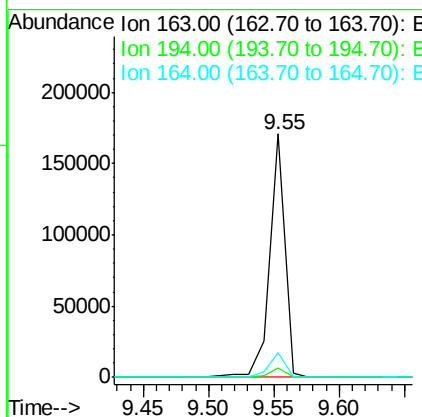
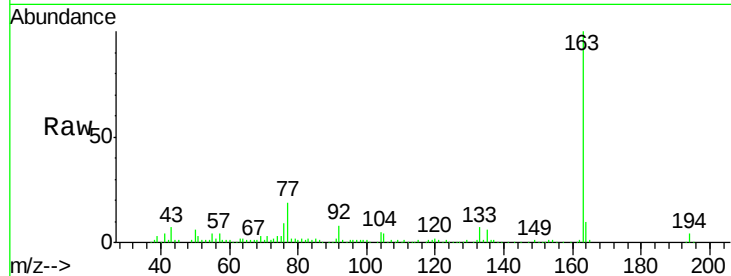
#49
Dimethylphthalate
Concen: 10.73 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF088612.D
Acq: 2 Jul 2016 12:47

Instrument :
BNA_F
ClientSampleId :
EPCH-B2(00-0.5)

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.3	8.3	12.5

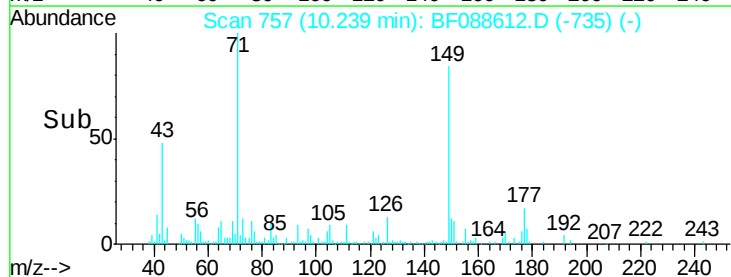
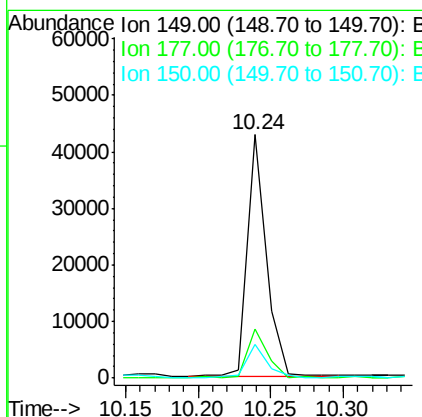
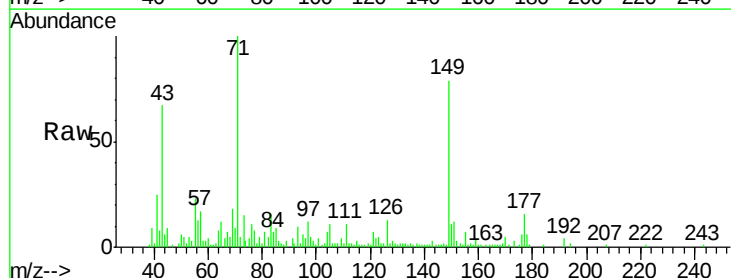
Manual Integrations

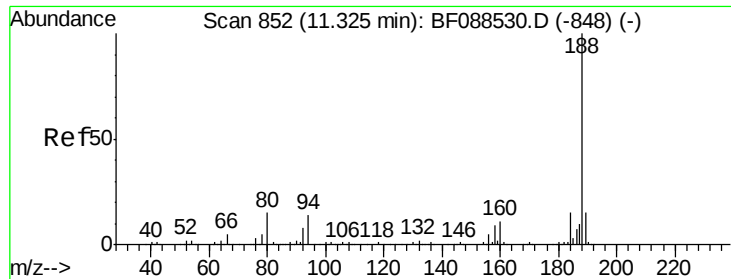
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#59
Diethylphthalate
Concen: 2.94 ng
RT: 10.24 min Scan# 757
Delta R.T. -0.05 min
Lab File: BF088612.D
Acq: 2 Jul 2016 12:47

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.4	16.9	25.3
150	13.7	10.1	15.1





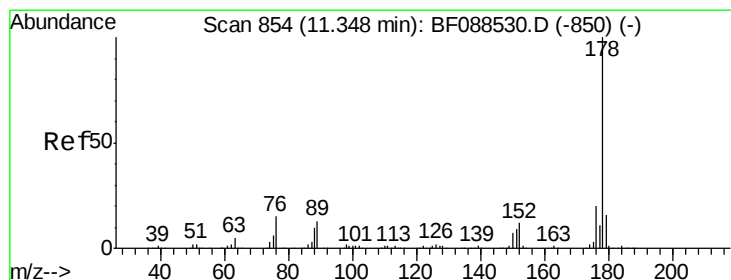
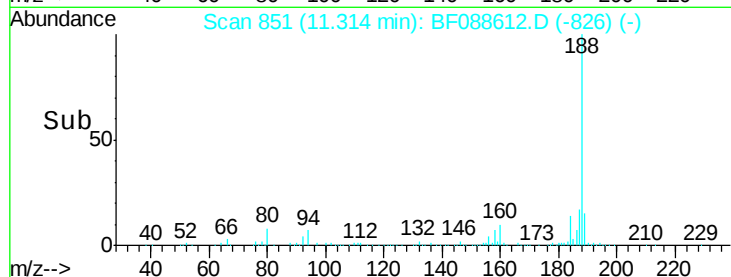
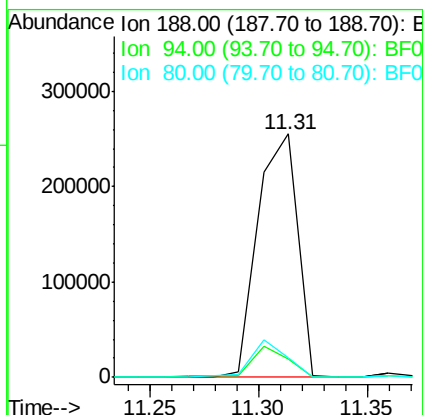
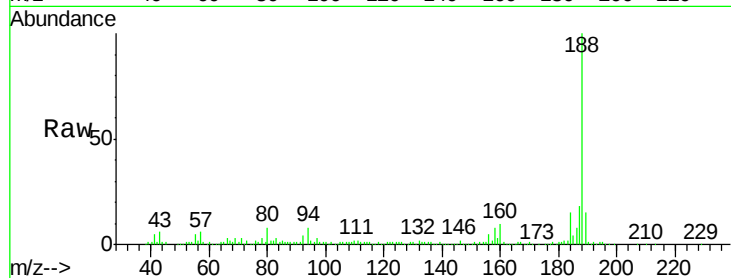
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF088612.D
Acq: 2 Jul 2016 12:47

Instrument :
BNA_F
ClientSampleId :
EPCH-B2(00-0.5)

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	328428		
94	7.6	9.0	13.6#	
80	7.9	10.0	15.0#	

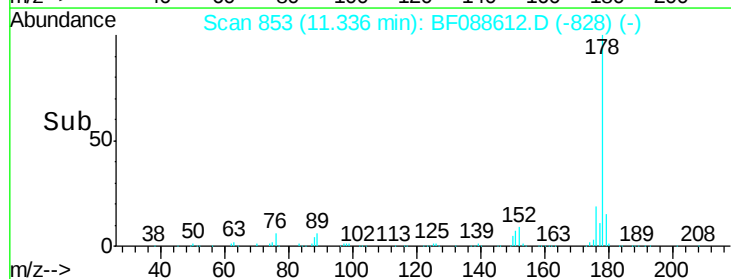
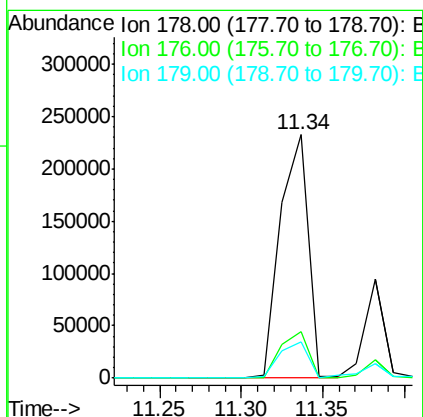
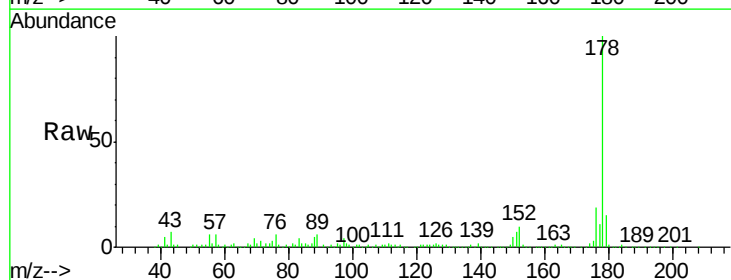
Manual Integrations

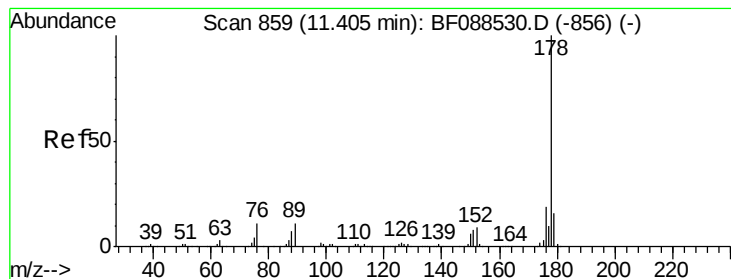
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#70
Phenanthrene
Concen: 15.61 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF088612.D
Acq: 2 Jul 2016 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	280301		
176	18.8	15.8	23.6	
179	15.1	13.0	19.4	





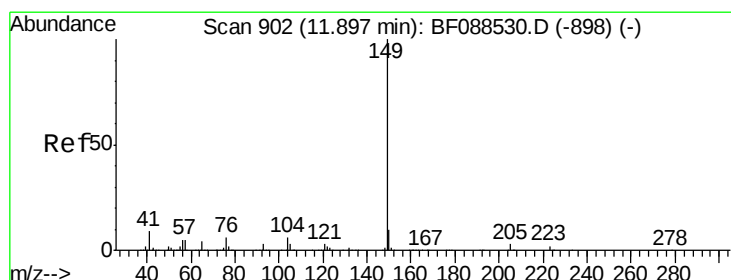
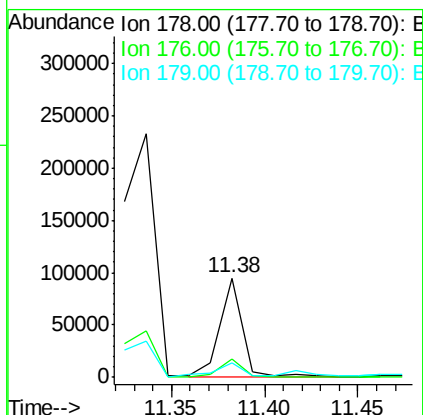
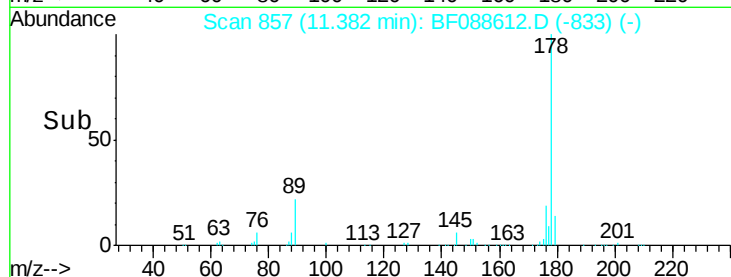
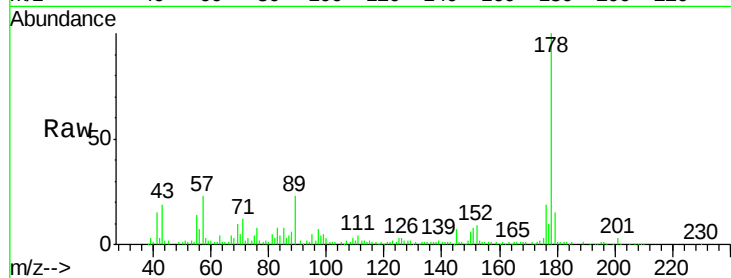
#71
 Anthracene
 Concen: 4.44 ng
 RT: 11.38 min Scan# 857
 Delta R.T. -0.02 min
 Lab File: BF088612.D
 Acq: 2 Jul 2016 12:47

Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B2(00-0.5)

Tgt Ion:178 Resp: 79319
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.6 23.4
 179 14.9 12.8 19.2

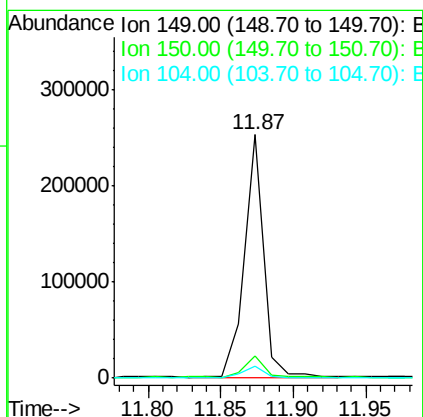
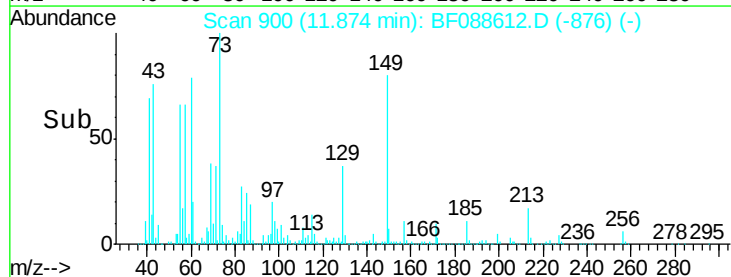
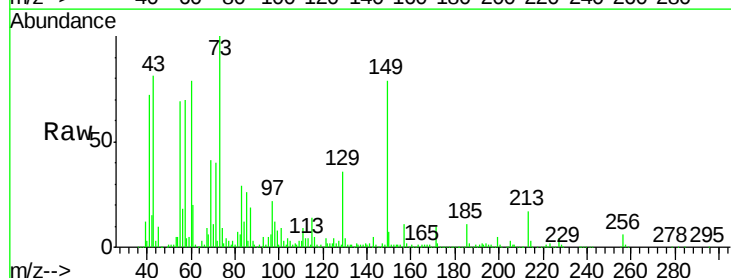
Manual Integrations

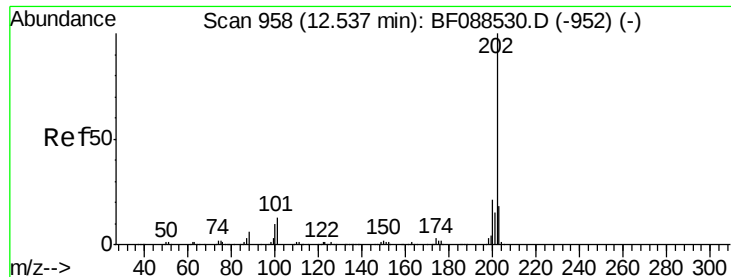
umangi
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#73
 Di-n-butylphthalate
 Concen: 11.81 ng
 RT: 11.87 min Scan# 900
 Delta R.T. -0.02 min
 Lab File: BF088612.D
 Acq: 2 Jul 2016 12:47

Tgt Ion:149 Resp: 230725
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.8 11.6
 104 5.0 4.0 6.0





#74

Fluoranthene

Concen: 29.14 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF088612.D

Acq: 2 Jul 2016 12:47

Instrument :

BNA_F

ClientSampleId :

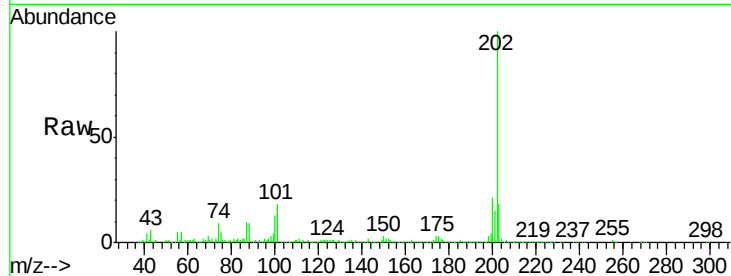
EPCH-B2(00-0.5)

Tgt	Ion	202	Resp:	530417
Ion	Ratio	Lower	Upper	
202	100			
101	17.6	0.0	33.1	
203	18.3	0.0	38.1	

Manual Integrations

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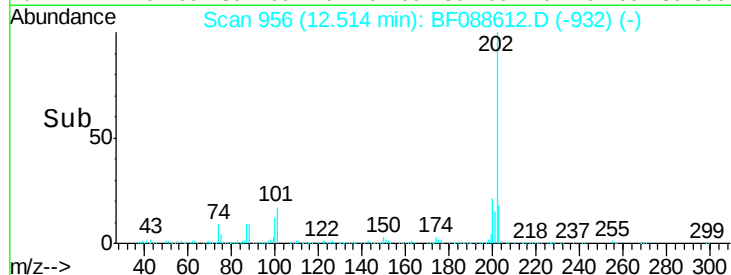


Abundance Ion 202.00 (201.70 to 202.70): E

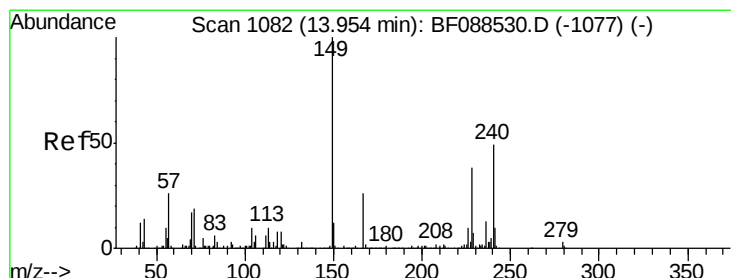
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.51



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

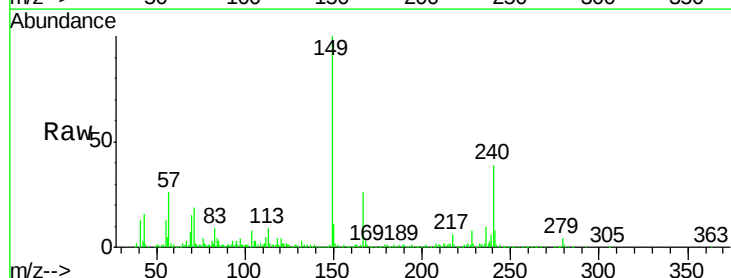
RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088612.D

Acq: 2 Jul 2016 12:47

Tgt	Ion	240	Resp:	190129
Ion	Ratio	Lower	Upper	
240	100			
120	10.5	6.8	10.2#	
236	25.6	20.2	30.2	

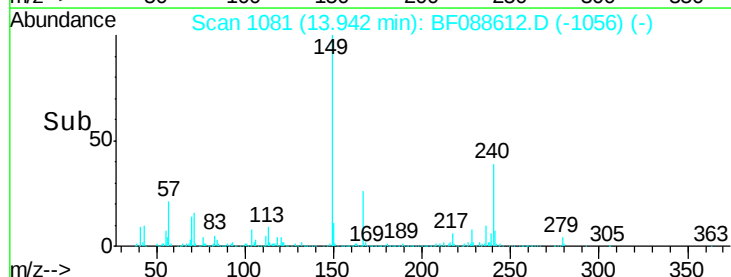


Abundance Ion 240.00 (239.70 to 240.70): E

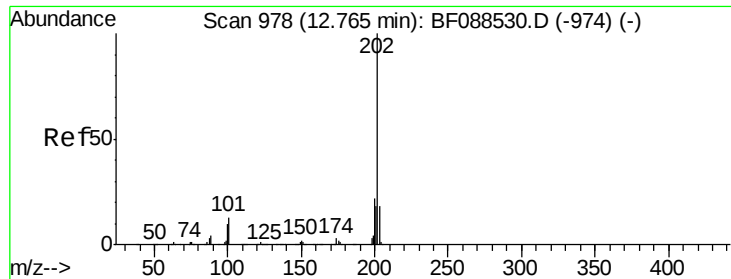
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.94



Time-->



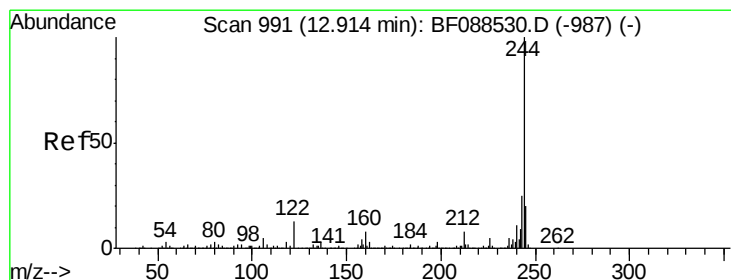
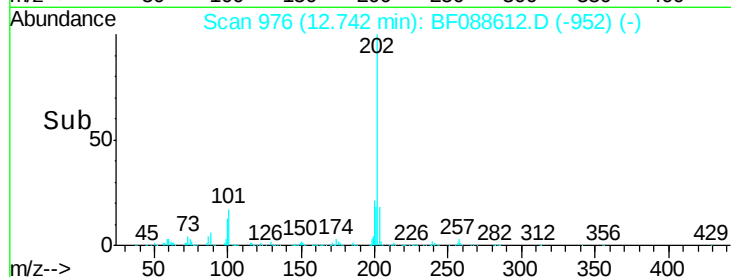
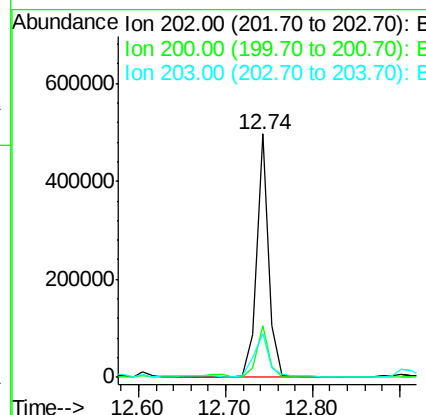
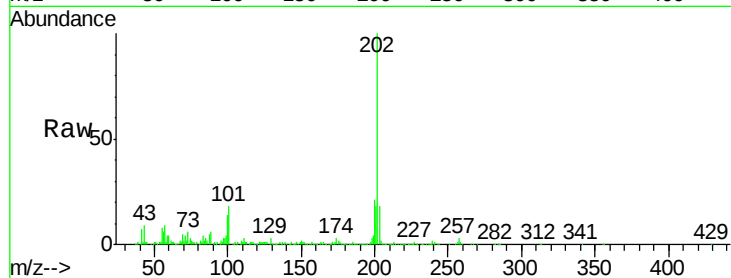
#77
 Pyrene
 Concen: 29.64 ng
 RT: 12.74 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: BF088612.D
 Acq: 2 Jul 2016 12:47

Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B2(00-0.5)

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.0	14.5	21.7

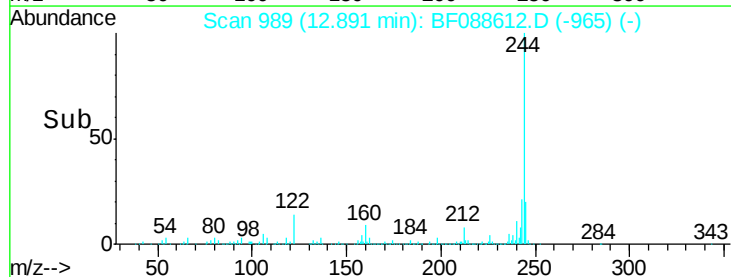
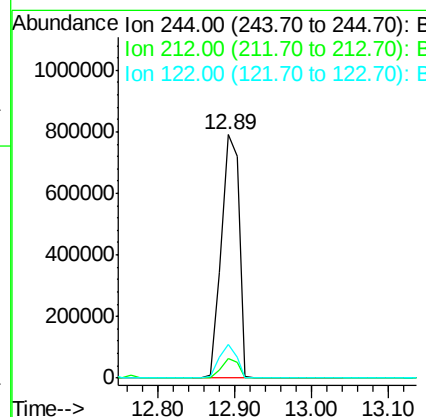
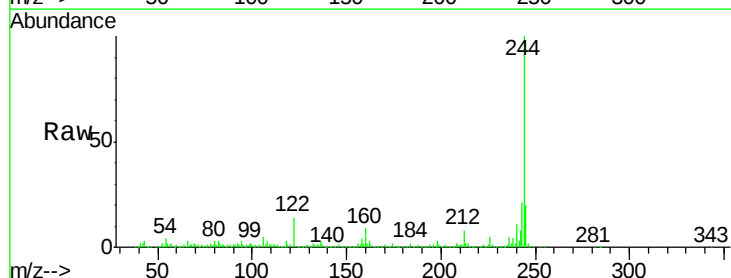
Manual Integrations

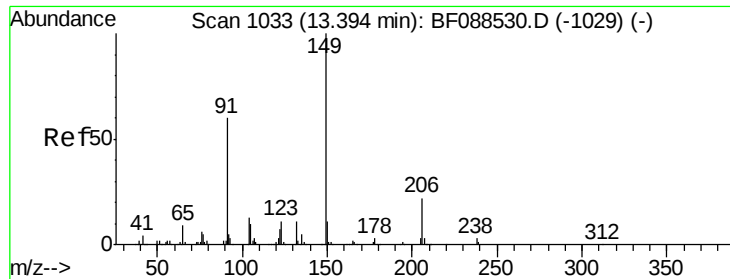
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#78
 Terphenyl-d14
 Concen: 151.04 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.02 min
 Lab File: BF088612.D
 Acq: 2 Jul 2016 12:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.0	9.0
122	13.9	11.2	16.8





#79

Butylbenzylphthalate

Concen: 4.27 ng m

RT: 13.37 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF088612.D

Acq: 2 Jul 2016 12:47

Instrument :

BNA_F

ClientSampleId :

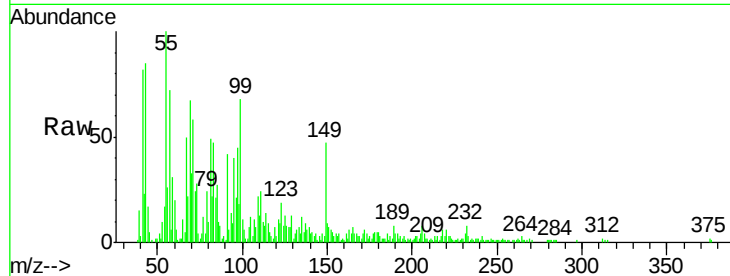
EPCH-B2(00-0.5)

Tgt Ion:	149	Resp:	30683
Ion Ratio	Lower	Upper	
149	100		
91	88.4	48.0	72.0#
206	17.0	16.0	24.0

Manual Integrations

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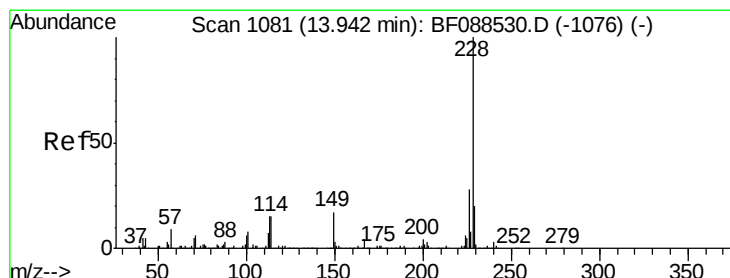
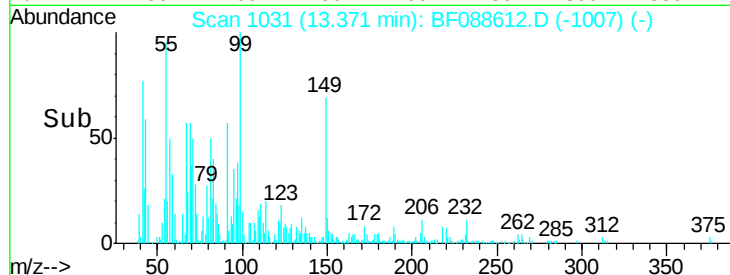
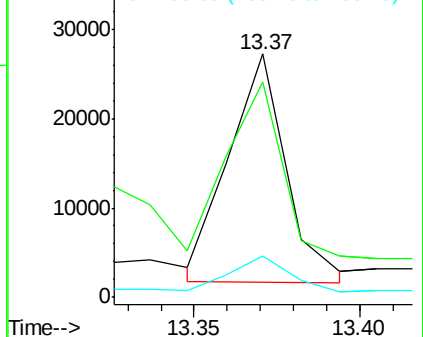
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 21.53 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088612.D

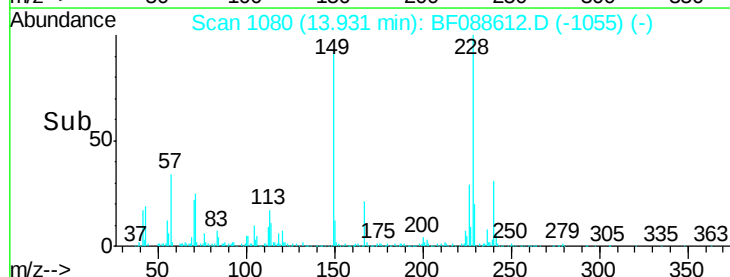
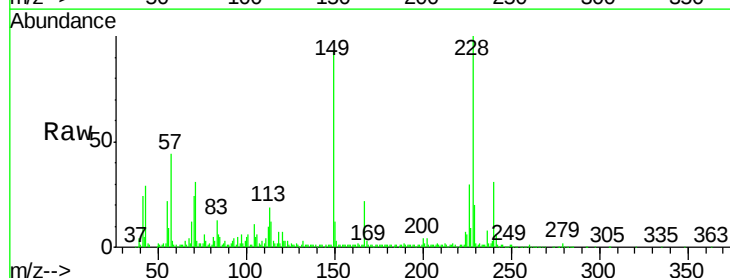
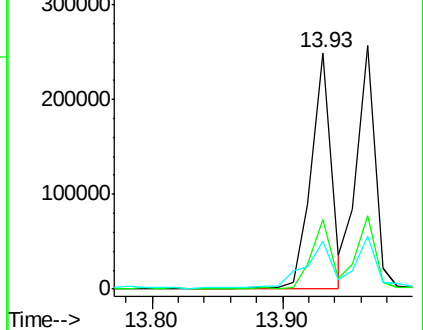
Acq: 2 Jul 2016 12:47

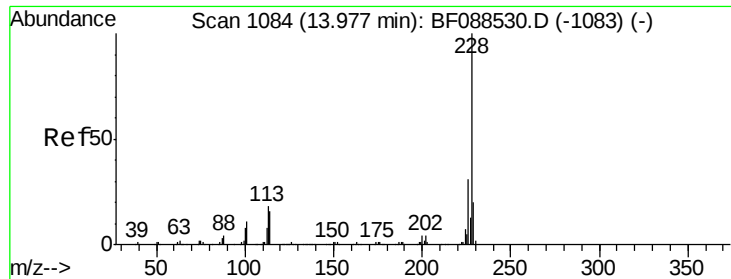
Tgt Ion:	228	Resp:	263639
Ion Ratio	Lower	Upper	
228	100		
226	29.5	22.3	33.5
229	20.4	16.0	24.0

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





#82

Chrysene

Concen: 20.88 ng m

RT: 13.97 min Scan# 1083

Delta R.T. -0.01 min

Lab File: BF088612.D

Acq: 2 Jul 2016 12:47

Instrument :

BNA_F

ClientSampleId :

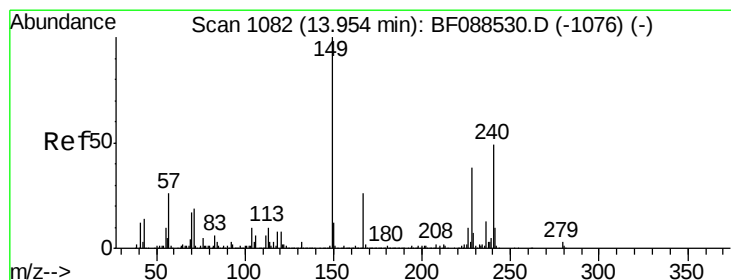
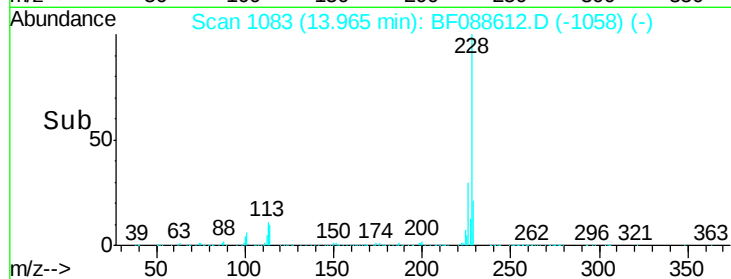
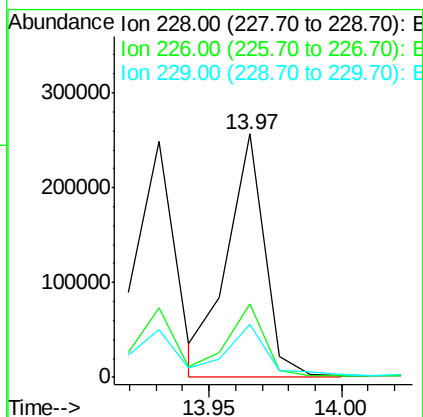
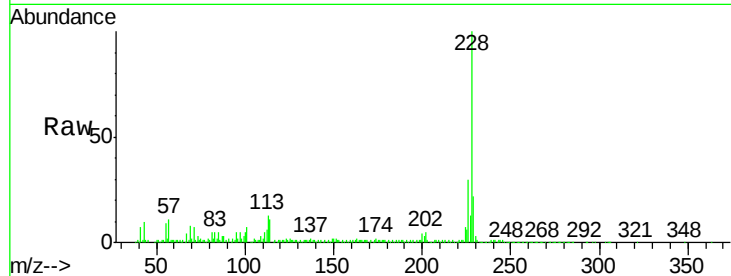
EPCH-B2(00-0.5)

Tgt Ion:	228	Resp:	252857
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.4	38.2
229	21.9	16.3	24.5

Manual Integrations

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#83

Bis(2-ethylhexyl)phthalate

Concen: 60.17 ng

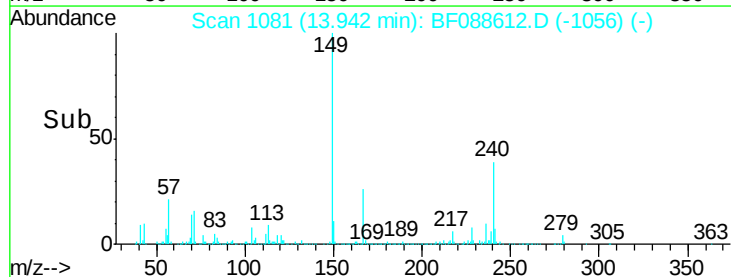
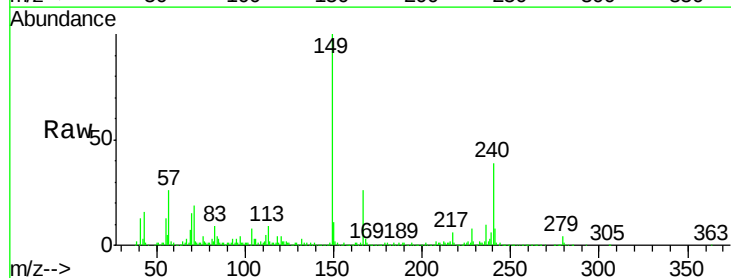
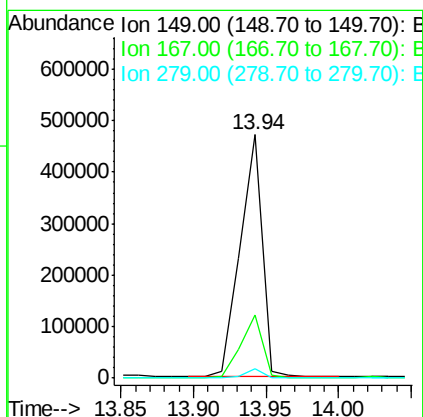
RT: 13.94 min Scan# 1081

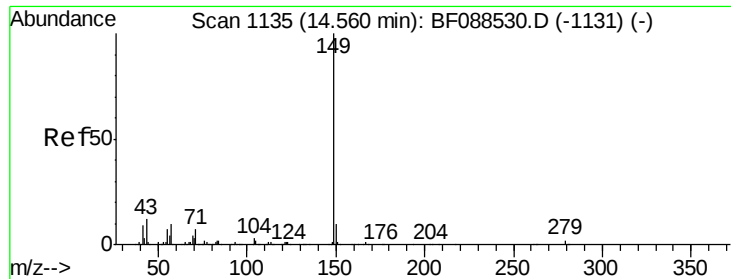
Delta R.T. -0.01 min

Lab File: BF088612.D

Acq: 2 Jul 2016 12:47

Tgt Ion:	149	Resp:	494001
Ion Ratio	Lower	Upper	
149	100		
167	26.1	20.5	30.7
279	3.8	2.0	3.0#





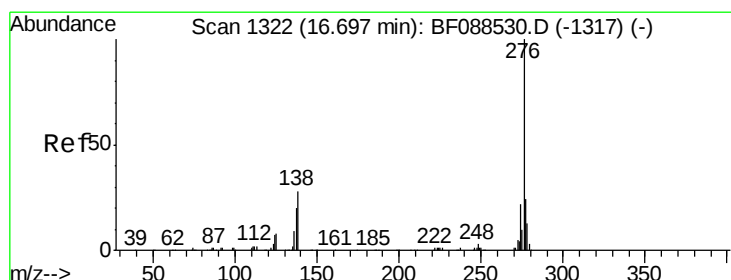
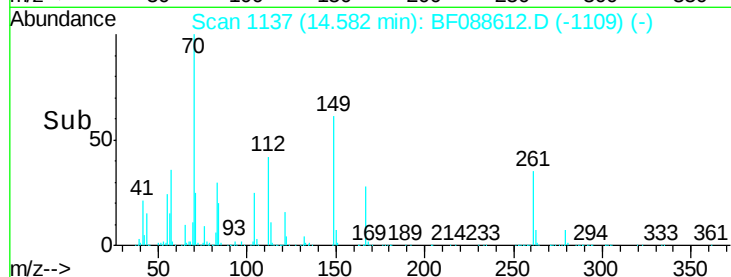
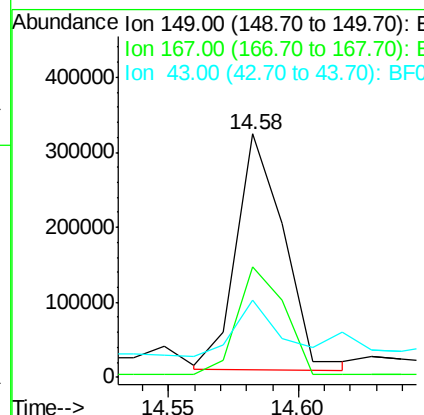
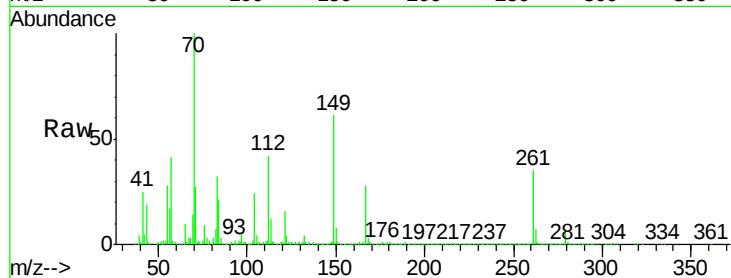
#84
Di-n-octyl phthalate
Concen: 28.65 ng m
RT: 14.58 min Scan# 1137
Delta R.T. 0.02 min
Lab File: BF088612.D
Acq: 2 Jul 2016 12:47

Instrument :
BNA_F
ClientSampleId :
EPCH-B2(00-0.5)

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	399531		
167	46.6	0.0	0.0	0.0
43	20.7	0.0	0.0	0.0

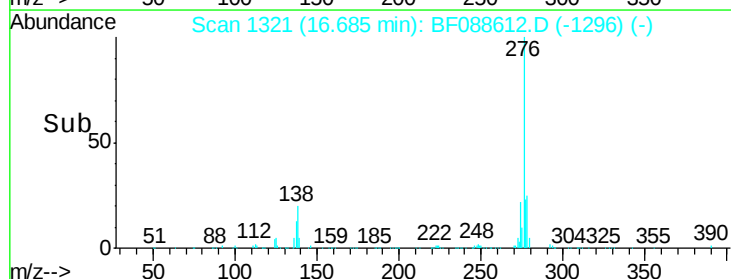
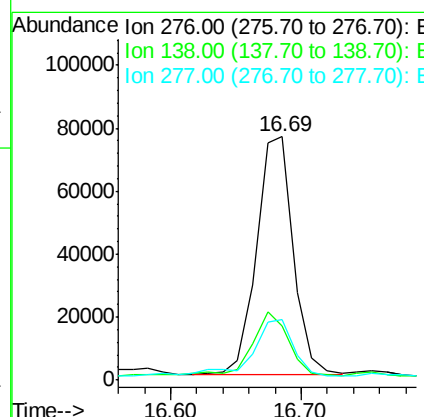
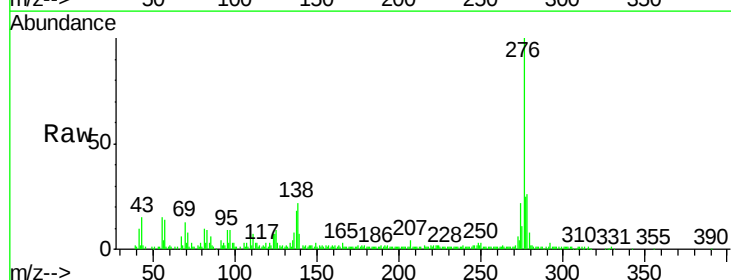
Manual Integrations

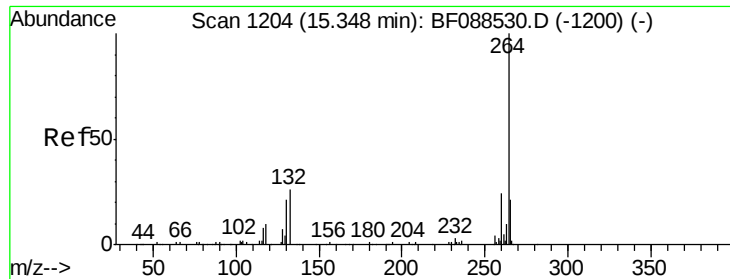
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#85
Indeno(1,2,3-cd)pyrene
Concen: 16.00 ng
RT: 16.69 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF088612.D
Acq: 2 Jul 2016 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	149107		
138	27.1	0.0	0.0	0.0
277	27.4	0.0	0.0	0.0





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BF088612.D

Acq: 2 Jul 2016 12:47

Instrument :

BNA_F

ClientSampleId :

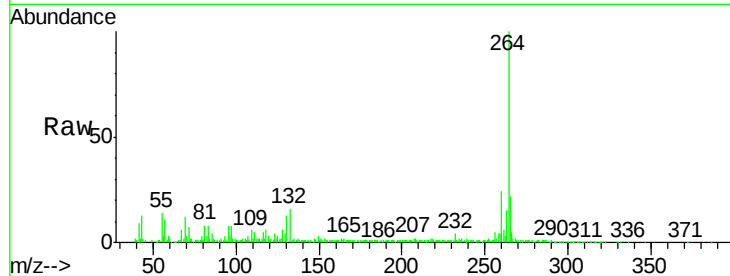
EPCH-B2(00-0.5)

Tgt Ion:	264	Resp:	223061
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	22.3	16.9	25.3

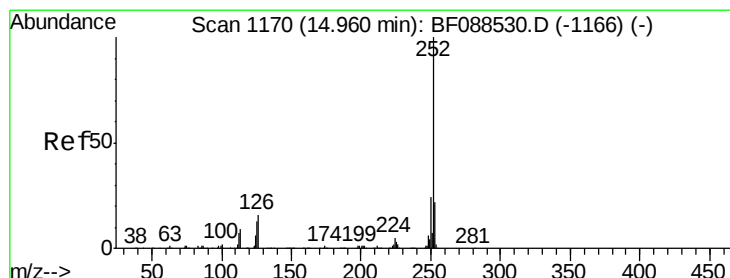
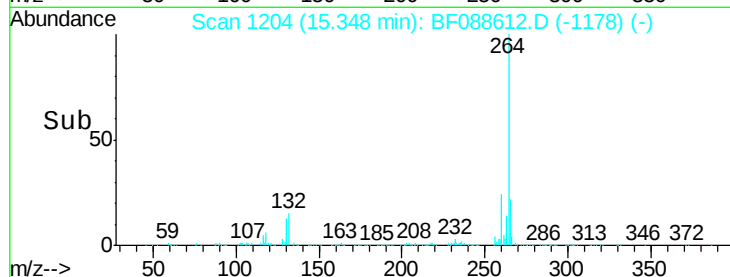
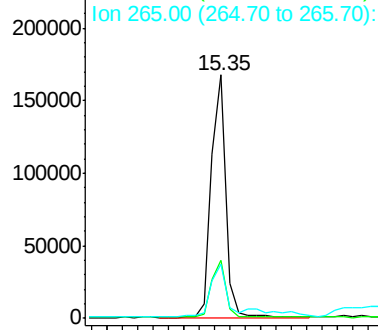
Manual Integrations

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Abundance Ion 264.00 (263.70 to 264.70): E



#87

Benzo(b)fluoranthene

Concen: 23.83 ng m

RT: 14.95 min Scan# 1169

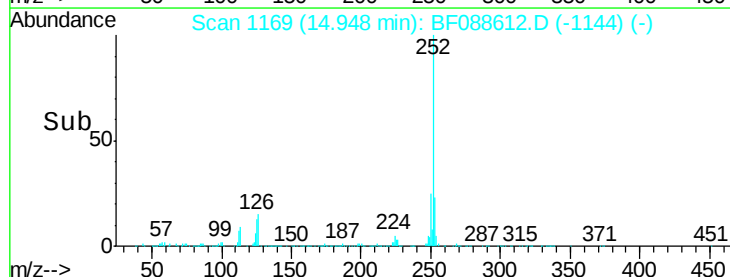
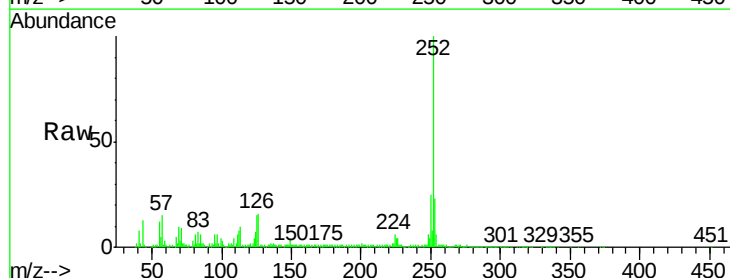
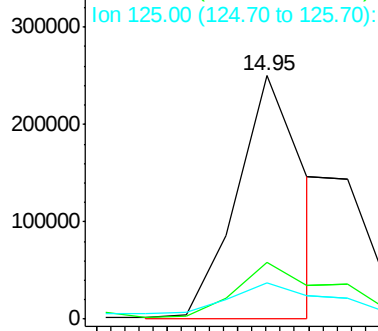
Delta R.T. -0.01 min

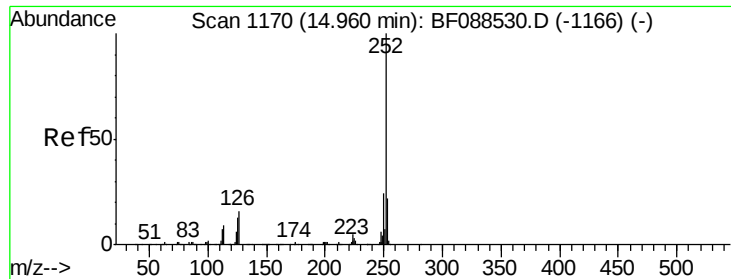
Lab File: BF088612.D

Acq: 2 Jul 2016 12:47

Tgt Ion:	252	Resp:	333491
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.2
125	15.1	7.1	10.7#

Abundance Ion 252.00 (251.70 to 252.70): E





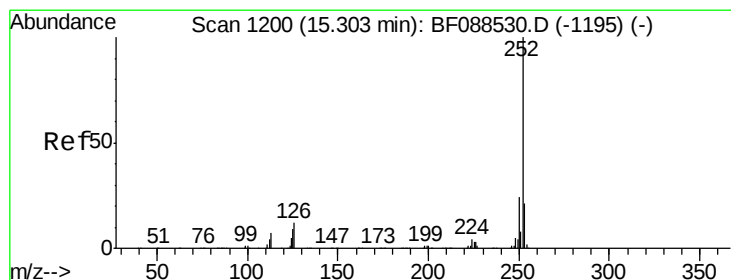
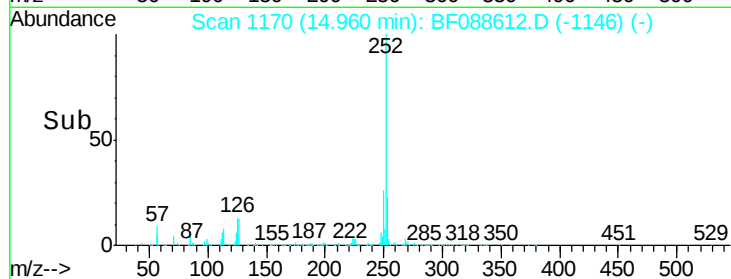
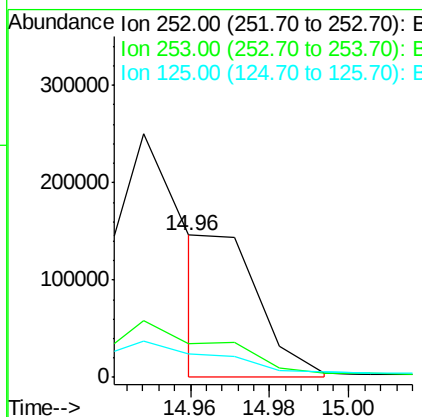
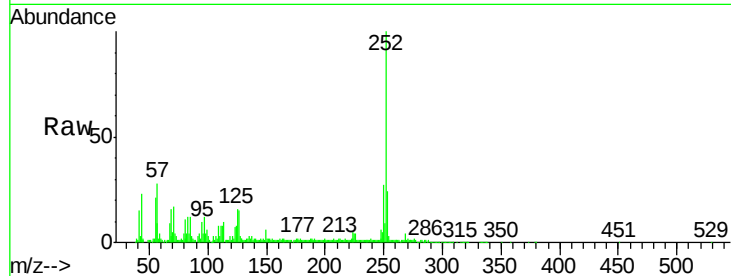
#88
Benzo(k)fluoranthene
Concen: 10.18 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF088612.D
Acq: 2 Jul 2016 12:47

Instrument :
BNA_F
ClientSampleId :
EPCH-B2(00-0.5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	16.1	11.2	16.8

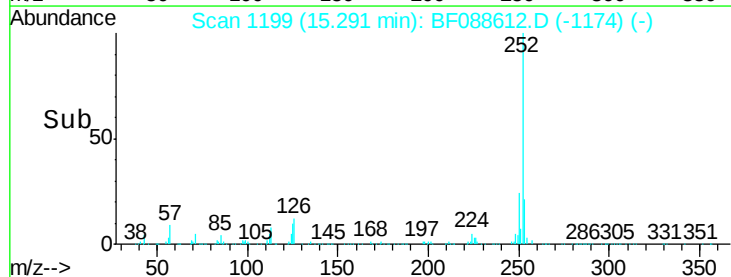
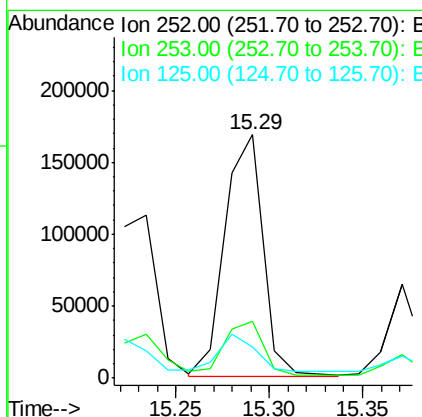
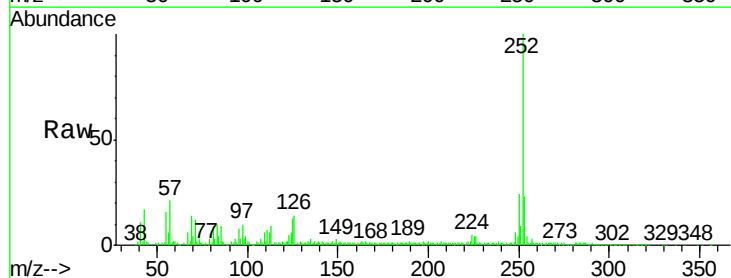
Manual Integrations

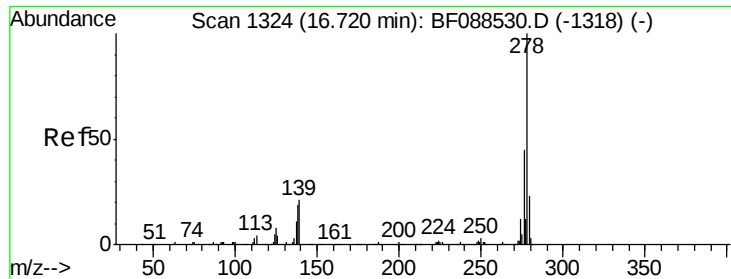
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#89
Benzo(a)pyrene
Concen: 20.36 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF088612.D
Acq: 2 Jul 2016 12:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	12.5	12.5	18.7





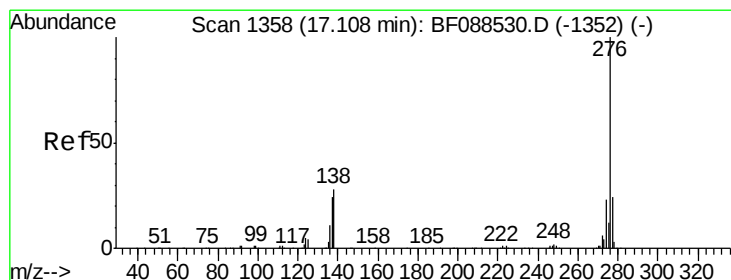
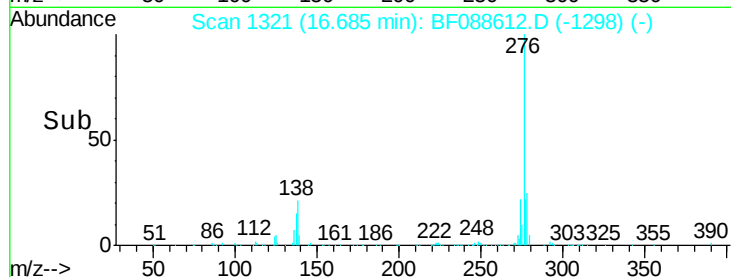
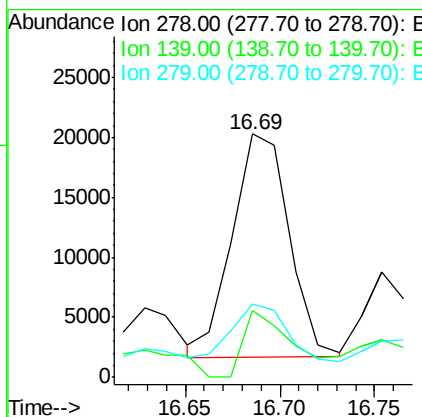
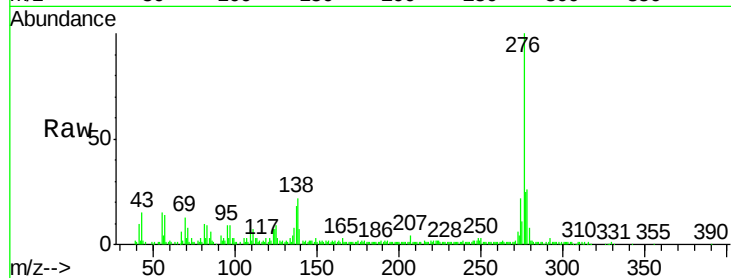
#90
Dibenzo(a,h)anthracene
Concen: 3.90 ng m
RT: 16.69 min Scan# 1321
Delta R.T. -0.03 min
Lab File: BF088612.D
Acq: 2 Jul 2016 12:47

Instrument :
BNA_F
ClientSampleId :
EPCH-B2(00-0.5)

Tgt Ion:278 Resp: 38556
Ion Ratio Lower Upper
278 100
139 27.7 15.7 23.5#
279 30.1 19.4 29.2#

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 13.93 ng
RT: 17.09 min Scan# 1356
Delta R.T. -0.02 min
Lab File: BF088612.D
Acq: 2 Jul 2016 12:47

Tgt Ion:276 Resp: 142613
Ion Ratio Lower Upper
276 100
277 23.5 18.9 28.3
138 24.2 21.4 32.2

