

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094149.D
 Acq On : 4 Apr 2017 5:41
 Operator : SJ/MA
 Sample : I2488-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-13

Manual Integrations
 APPROVED

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 4/4/2017 5:34:57 PM

Quant Time: Apr 04 07:13:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	170119	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	644278	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	254889	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	376333	20.00	ng	-0.02
75) Chrysene-d12	14.61	240	329619	20.00	ng	-0.02
86) Perylene-d12	16.24	264	233075	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.43	112	1014420	100.72	ng	0.00
7) Phenol-d6	5.50	99	1247787	100.14	ng	-0.01
23) Nitrobenzene-d5	6.53	82	663301	58.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	173353	86.07	ng	-0.02
44) 2-Fluorobiphenyl	8.72	172	1194719	71.49	ng	-0.02
78) Terphenyl-d14	13.34	244	714079	48.56	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.21	163	91035	5.02	ng	100
70) Phenanthrene	11.39	178	116392	5.56	ng	96
74) Fluoranthene	12.85	202	304537	14.21	ng	98
77) Pyrene	13.13	202	297158	12.42	ng	99
80) Benzo(a)anthracene	14.60	228	127799m	6.65	ng	
82) Chrysene	14.64	228	134371	7.53	ng	95
83) Bis(2-ethylhexyl)phthalate	14.66	149	90272	6.49	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.58	276	41334	2.68	ng	95
87) Benzo(b)fluoranthene	15.83	252	124132m	8.69	ng	
88) Benzo(k)fluoranthene	15.86	252	47239m	3.38	ng	
89) Benzo(a)pyrene	16.18	252	82886	6.30	ng	# 94
91) Benzo(a,h,i)perylene	17.98	276	43999	3.92	ng	93

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

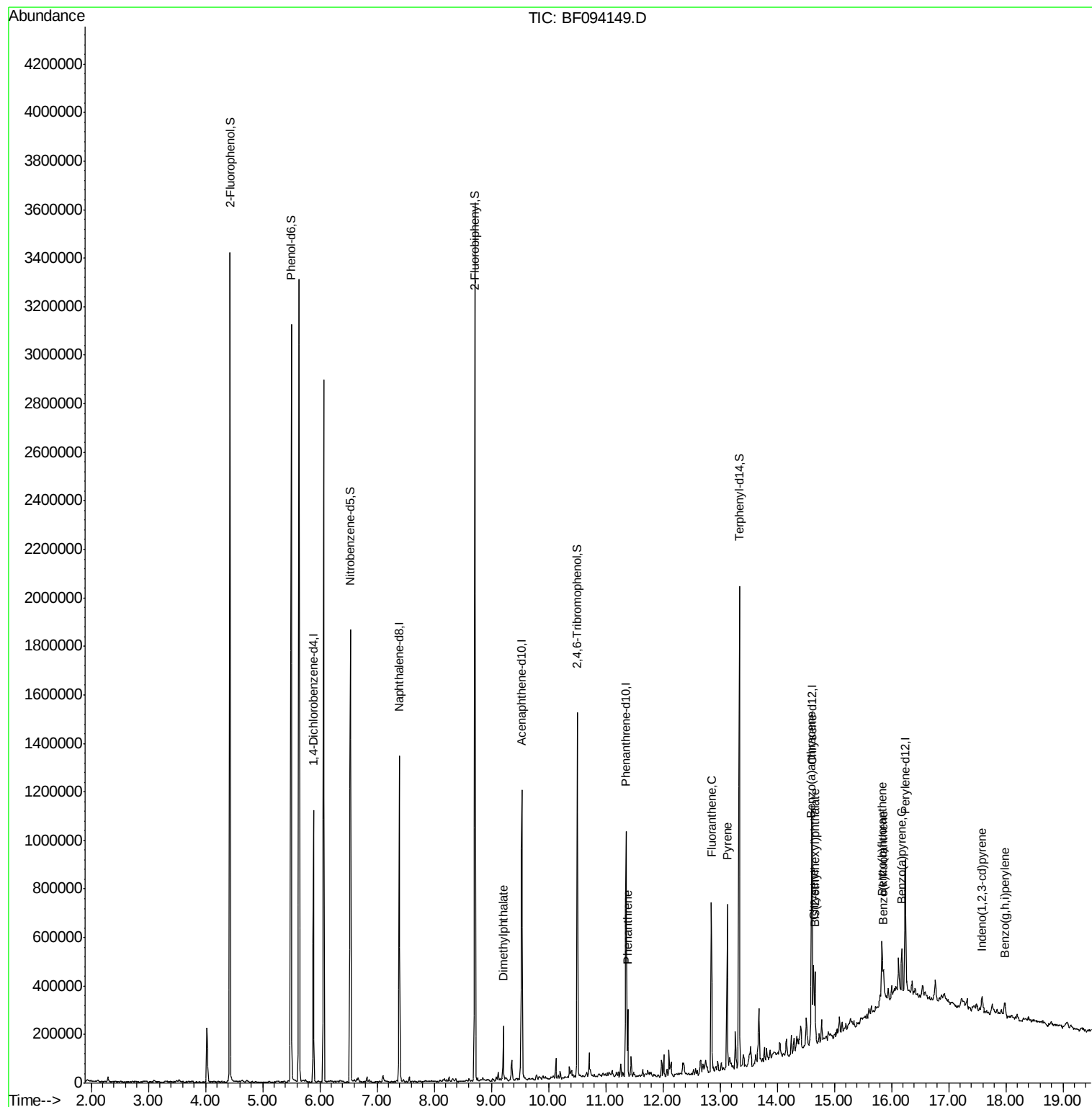
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
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ALS Vial : 31 Sample Multiplier: 1

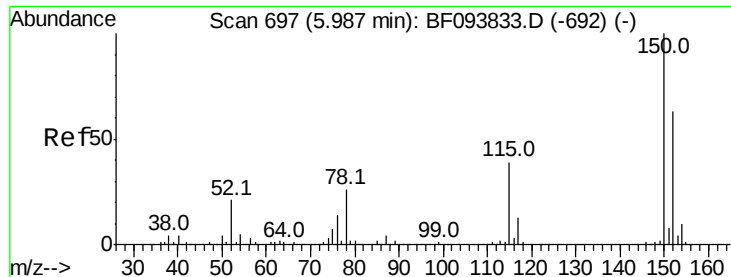
Instrument :
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WC-COMP-13

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Quant Time: Apr 04 07:13:22 2017
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#1

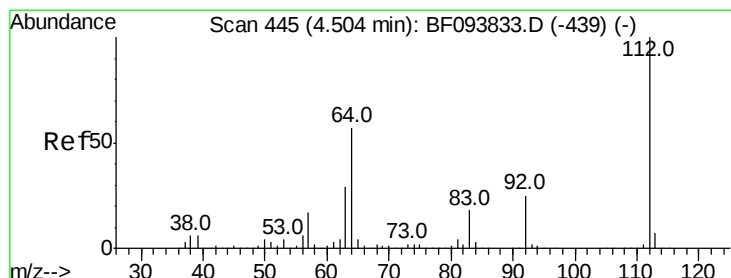
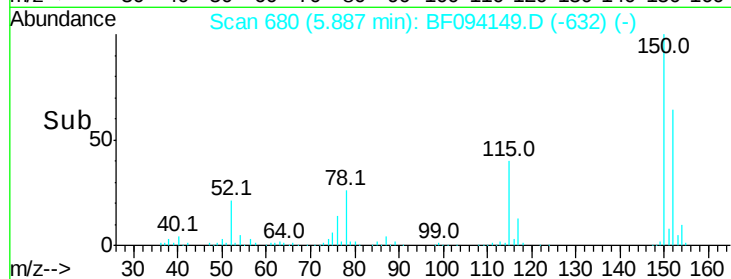
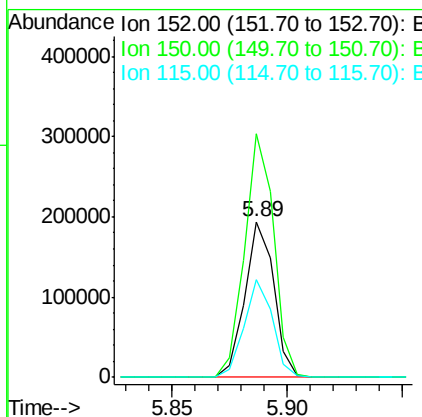
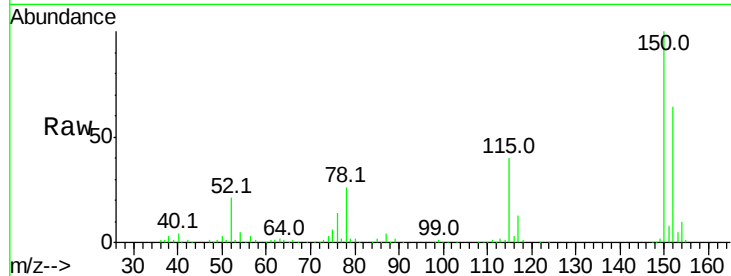
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.89 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF094149.D
Acq: 4 Apr 2017 5:41

Instrument :
BNA_F
ClientSampleId :
WC-COMP-13

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.2	189.2
115	62.8	52.2	78.2

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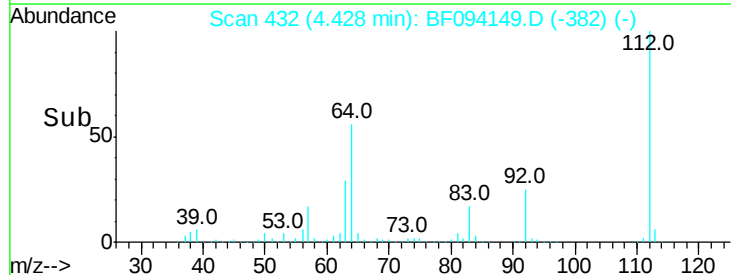
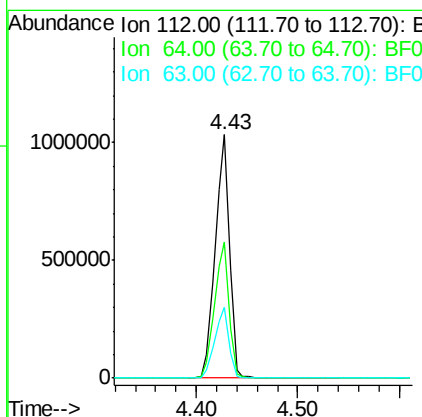
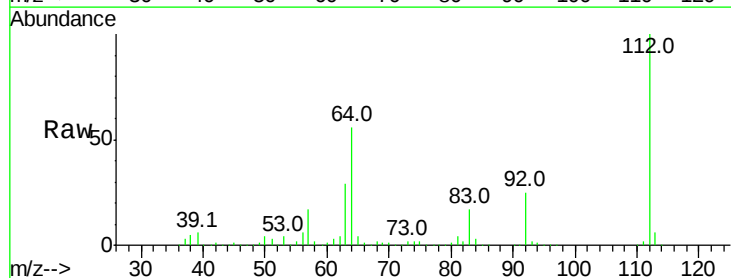
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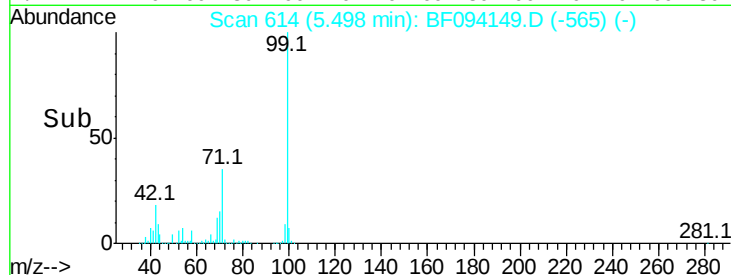
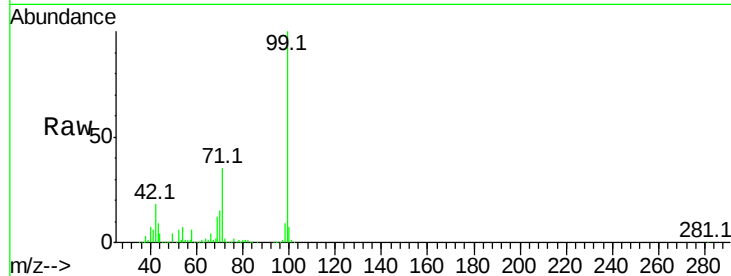
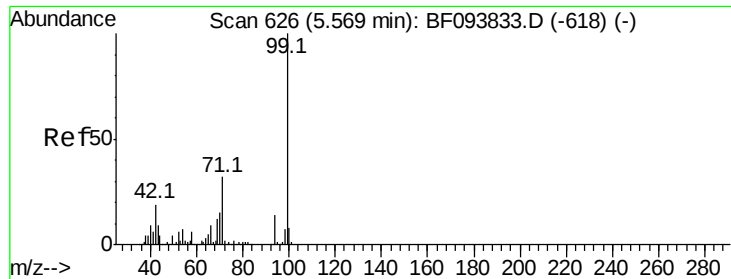


#5

2-Fluorophenol
Concen: 100.72 ng
RT: 4.43 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF094149.D
Acq: 4 Apr 2017 5:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	46.0	69.0
63	28.9	23.4	35.0





#7

Phenol-d6

Concen: 100.14 ng

RT: 5.50 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Tot Ion:	99	Resp:	1247787
Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.5	20.3
71	34.8	24.5	36.7

Instrument :

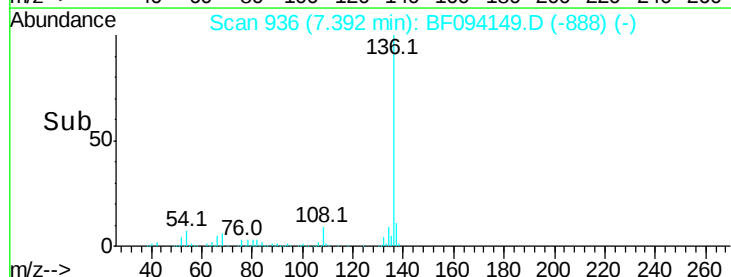
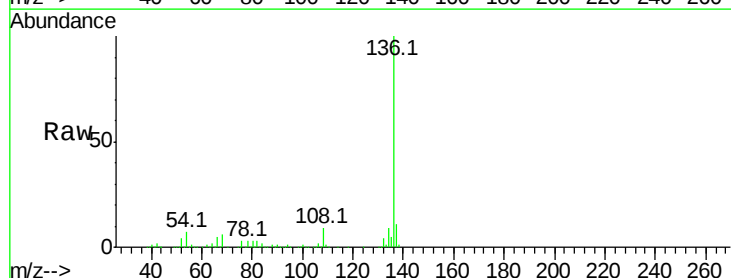
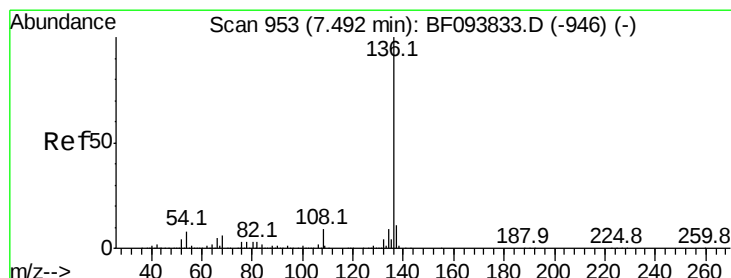
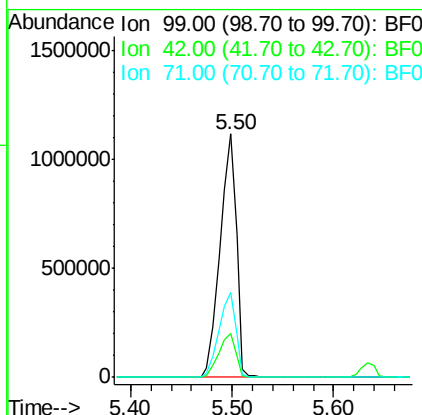
BNA_F

ClientSampled :

WC-COMP-13

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#21

Naphthalene-d8

Concen: 20.00 ng

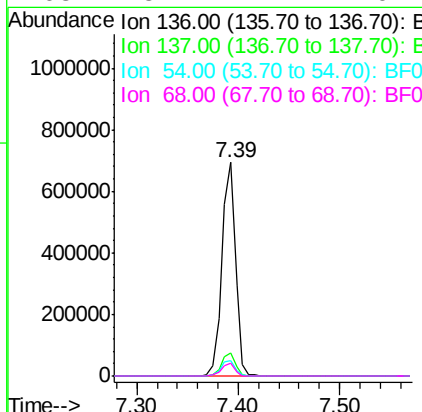
RT: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Tgt Ion:	136	Resp:	644278
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.1	4.9	7.3
68	5.7	4.1	6.1





#23

Nitrobenzene-d5

Concen: 58.75 ng

RT: 6.53 min Scan# 790

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Instrument :

BNA_F

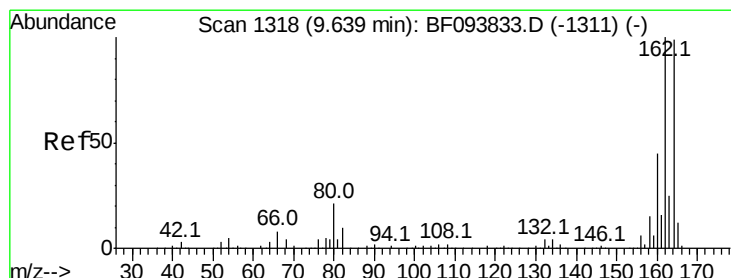
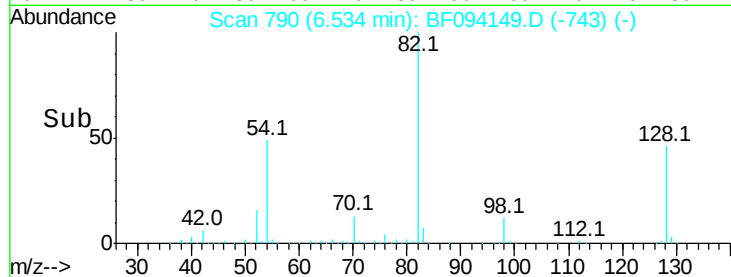
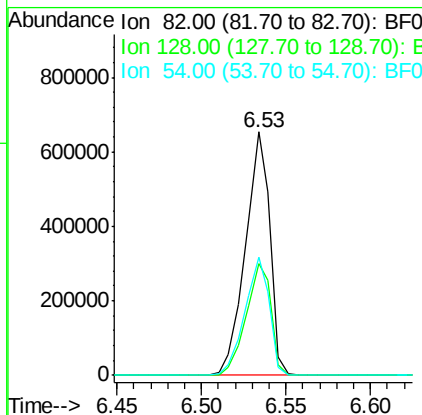
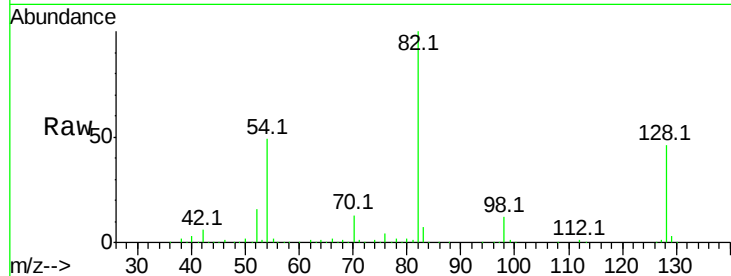
ClientSampleId :

WC-COMP-13

Tot Ion:	82	Resp:	663301
Ion Ratio	Lower	Upper	
82	100		
128	45.8	34.0	51.0
54	48.6	42.2	63.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

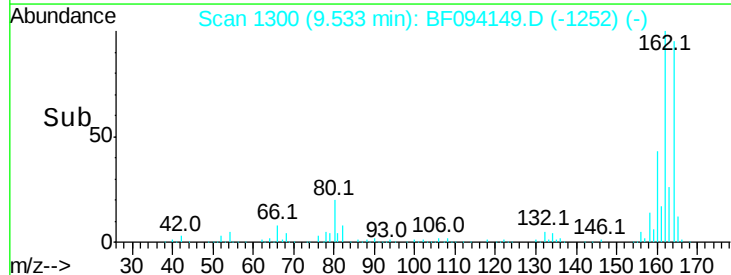
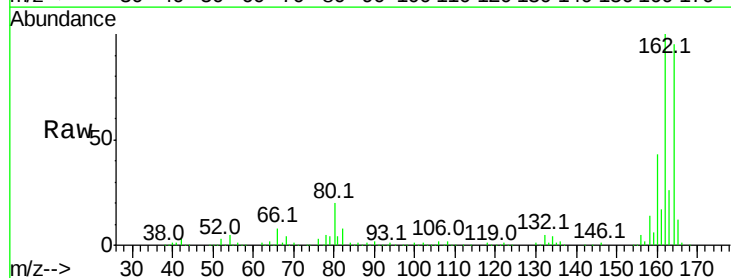
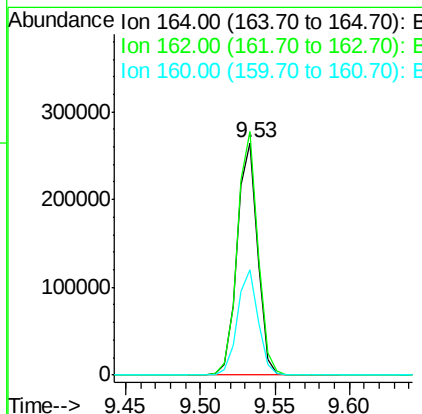
RT: 9.53 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Tgt Ion:	164	Resp:	254889
Ion Ratio	Lower	Upper	
164	100		
162	104.7	82.6	123.8
160	45.5	36.2	54.2





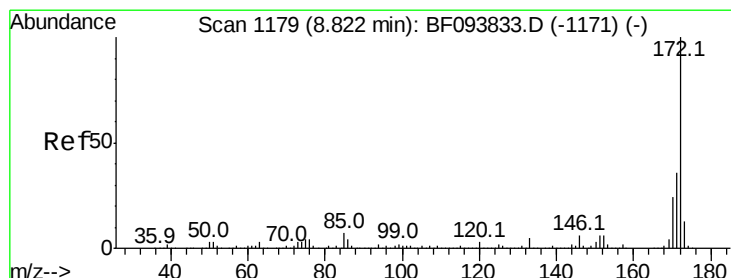
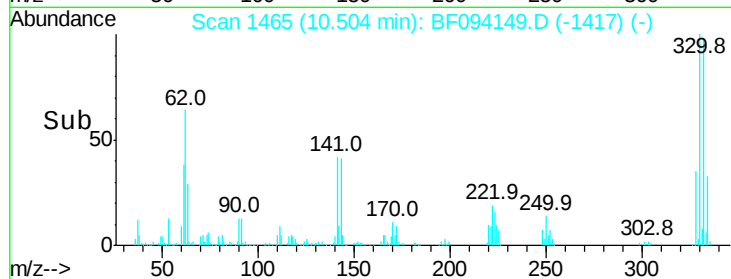
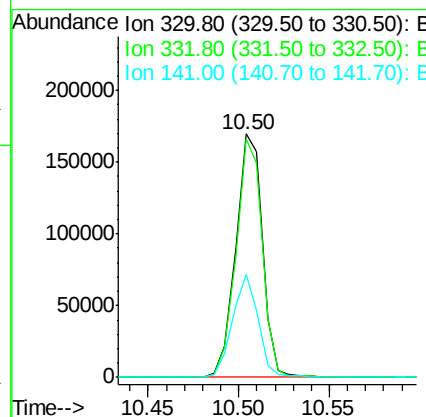
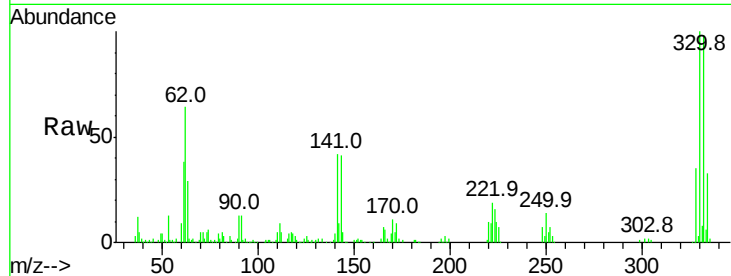
#41
 2,4,6-Tribromophenol
 Concen: 86.07 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094149.D
 Acq: 4 Apr 2017 5:41

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-13

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	115.0
141	41.1	31.4	47.2

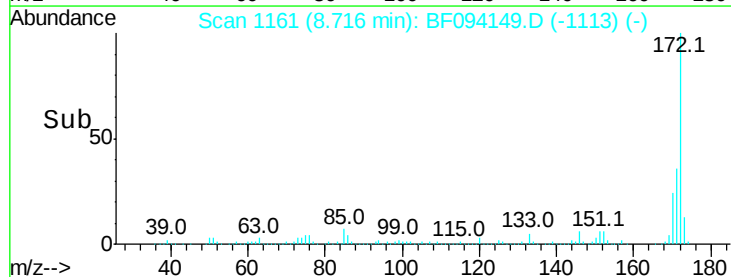
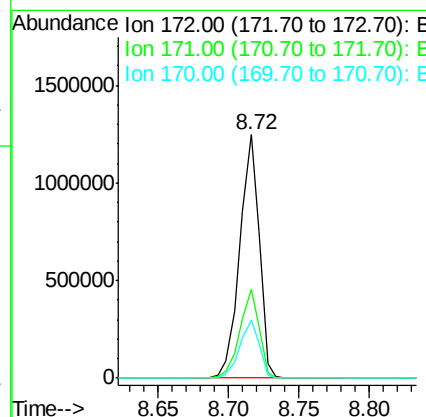
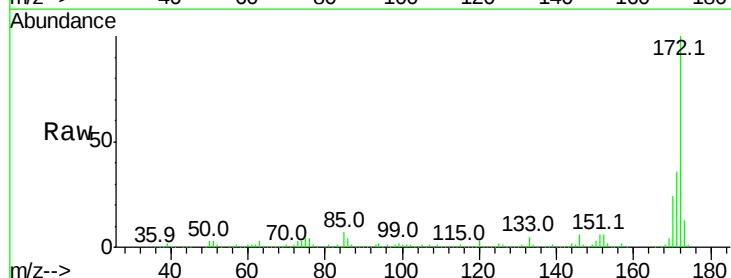
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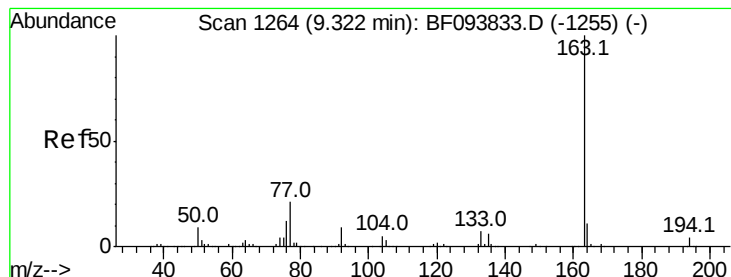
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#44
 2-Fluorobiphenyl
 Concen: 71.49 ng
 RT: 8.72 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: BF094149.D
 Acq: 4 Apr 2017 5:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	23.9	19.8	29.8





#49

Dimethylphthalate

Concen: 5.02 ng

RT: 9.21 min Scan# 1245

Delta R.T. -0.04 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Instrument :

BNA_F

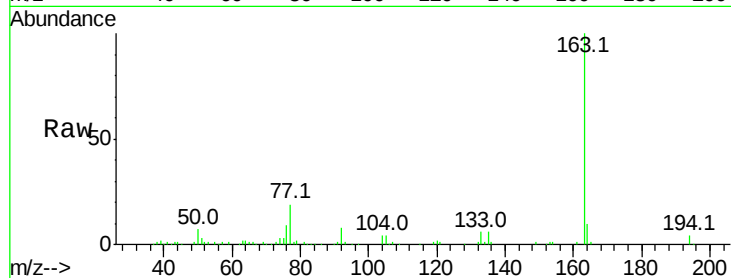
ClientSampled :

WC-COMP-13

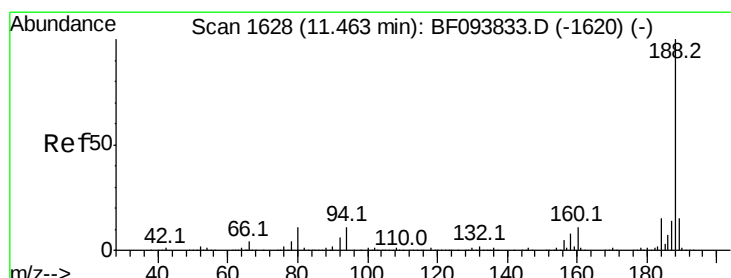
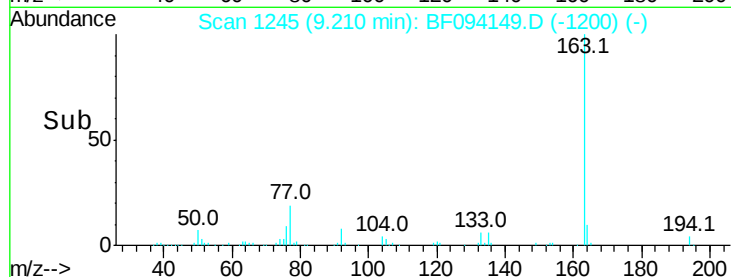
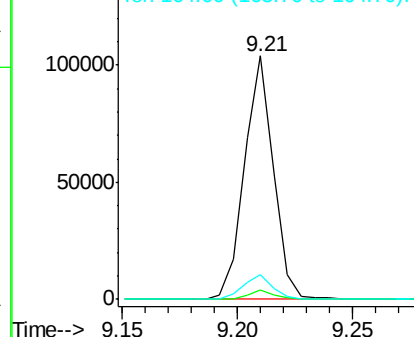
Tot Ion:	163	Resp:	91035
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.6	4.0
164	10.4	8.4	12.6

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 1610

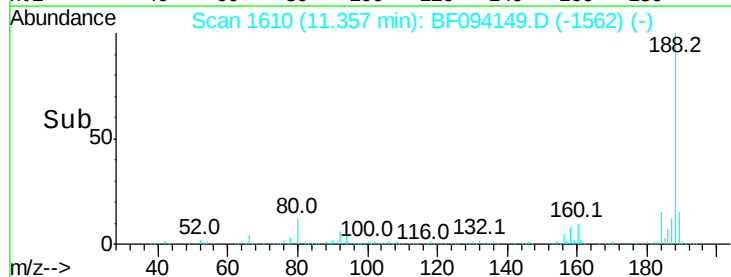
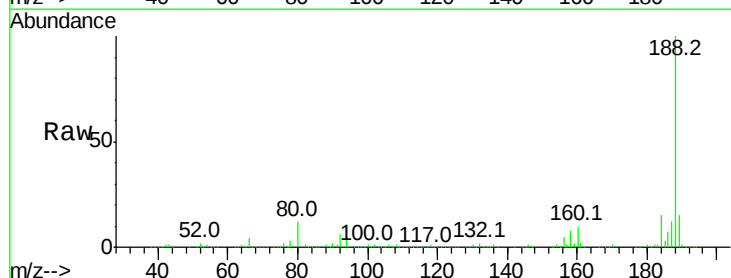
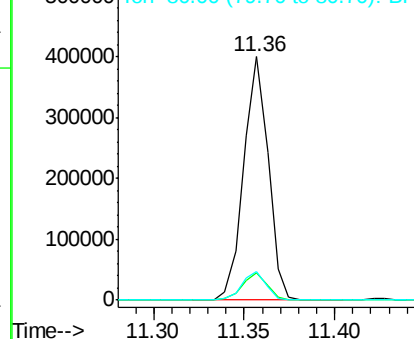
Delta R.T. -0.02 min

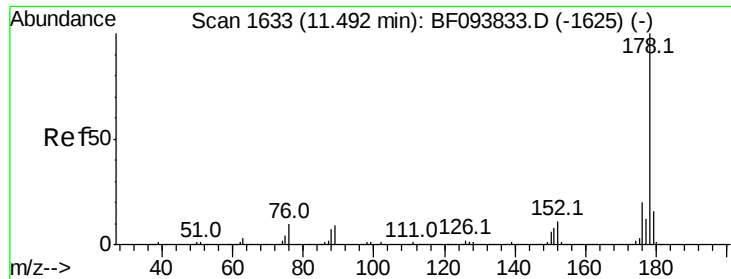
Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Tgt Ion:	188	Resp:	376333
Ion Ratio	Lower	Upper	
188	100		
94	11.0	9.4	14.2
80	11.7	10.2	15.2

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





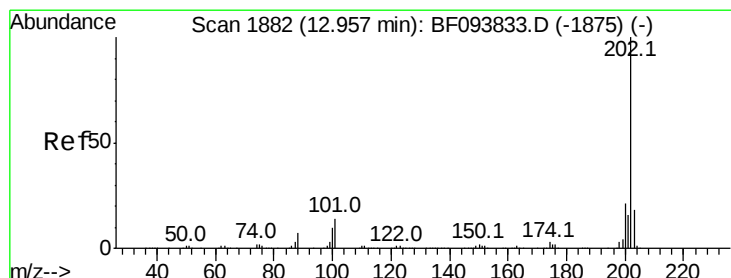
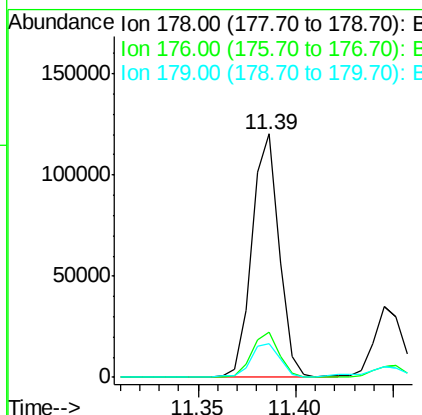
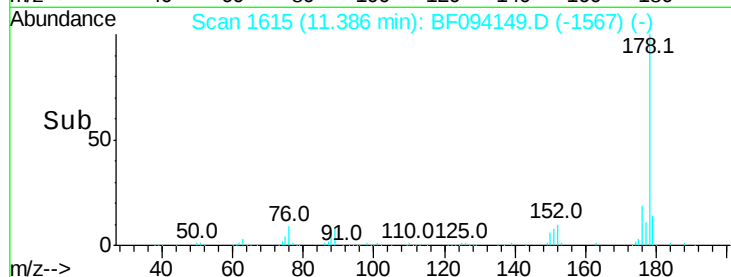
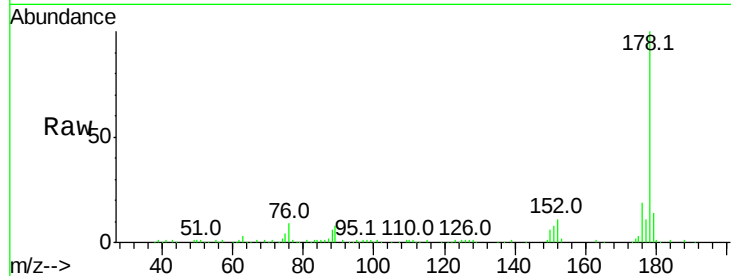
#70
Phenanthrene
Concen: 5.56 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094149.D
Acq: 4 Apr 2017 5:41

Instrument :
BNA_F
ClientSampleId :
WC-COMP-13

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	13.9	12.6	19.0

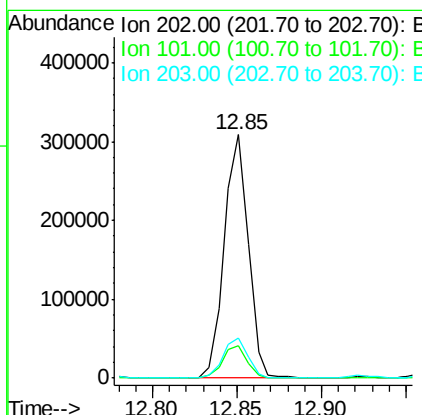
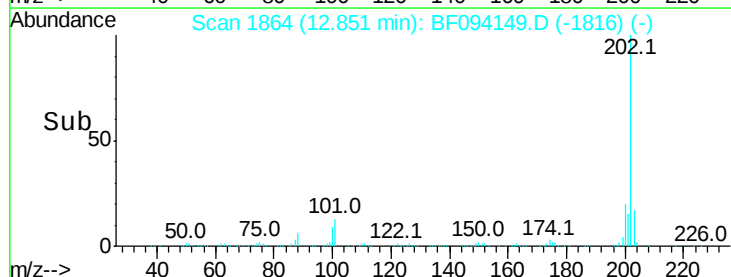
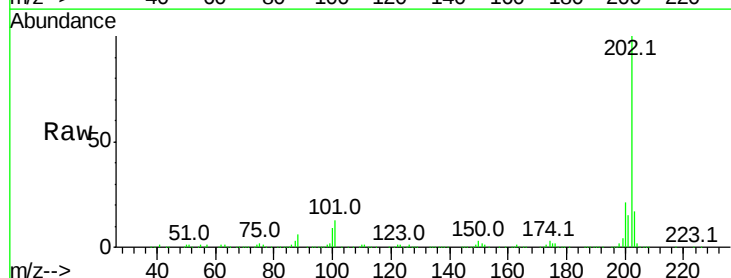
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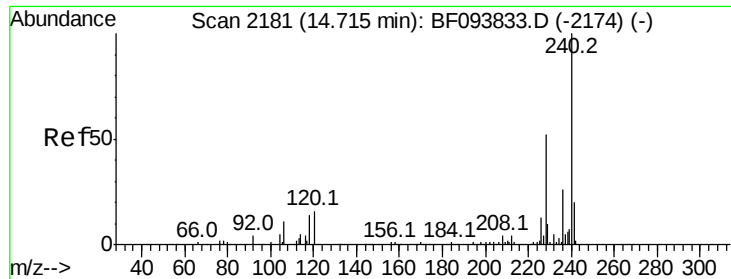
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#74
Fluoranthene
Concen: 14.21 ng
RT: 12.85 min Scan# 1864
Delta R.T. -0.02 min
Lab File: BF094149.D
Acq: 4 Apr 2017 5:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	16.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.61 min Scan# 2163

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Instrument :

BNA_F

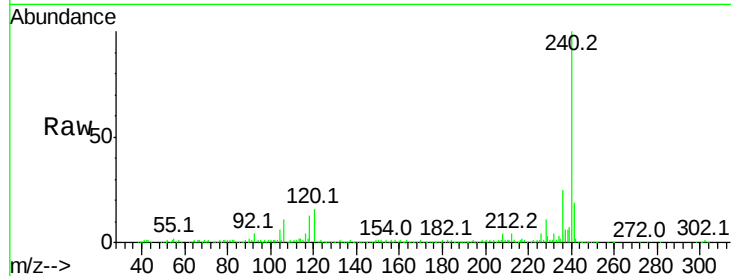
ClientSampleId :

WC-COMP-13

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.5	5.8	8.8#
236	25.1	20.5	30.7

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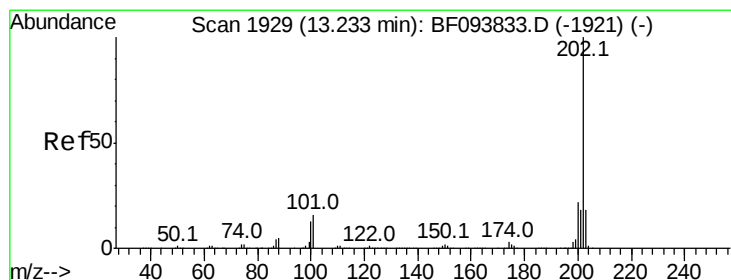
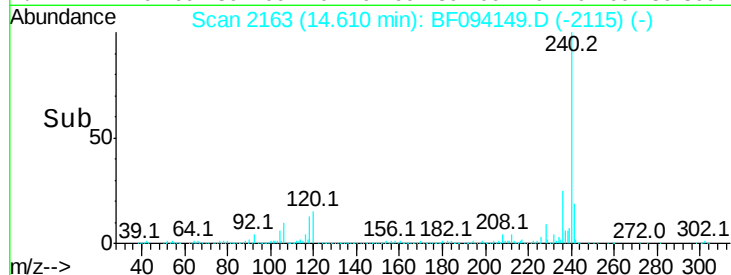
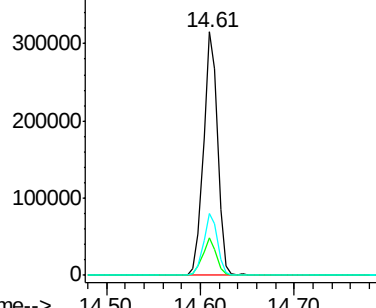


Abundance

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: 12.42 ng

RT: 13.13 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

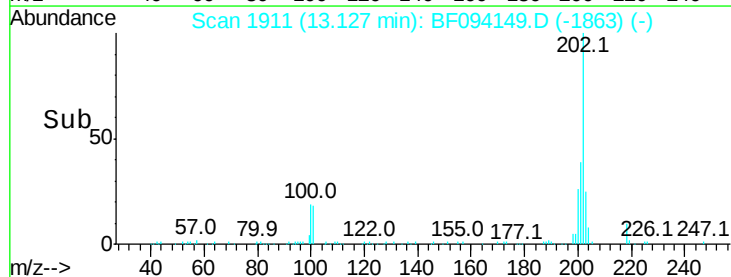
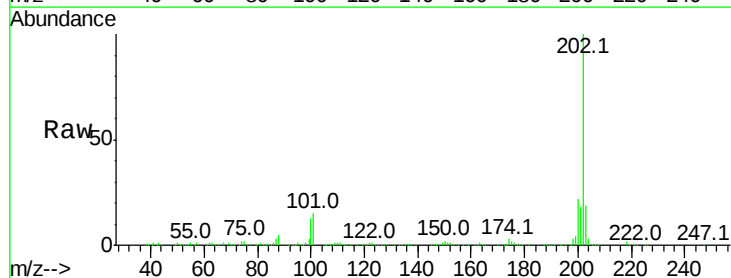
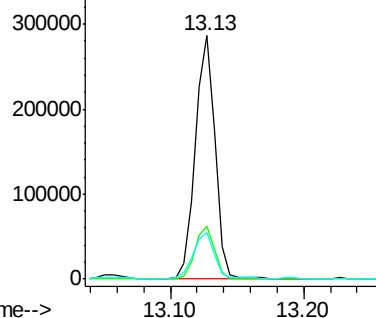
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	18.9	14.4	21.6

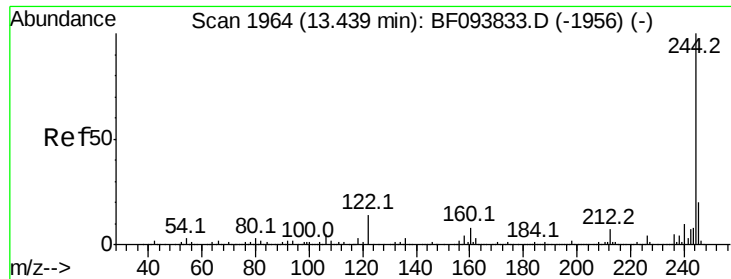
Abundance

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





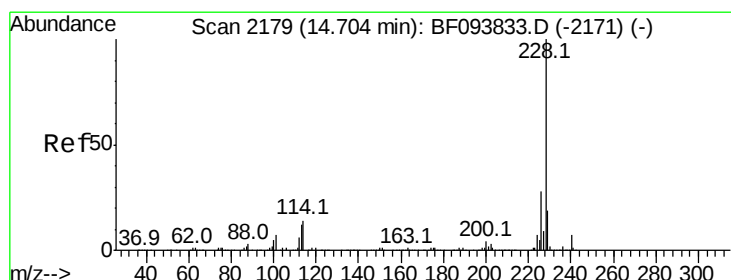
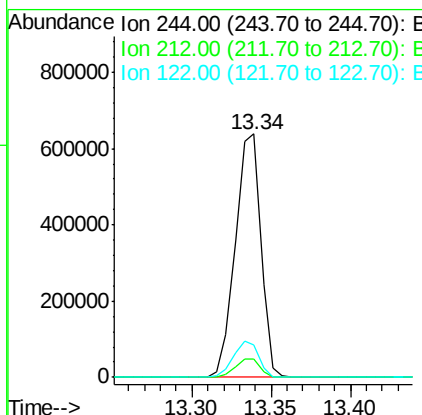
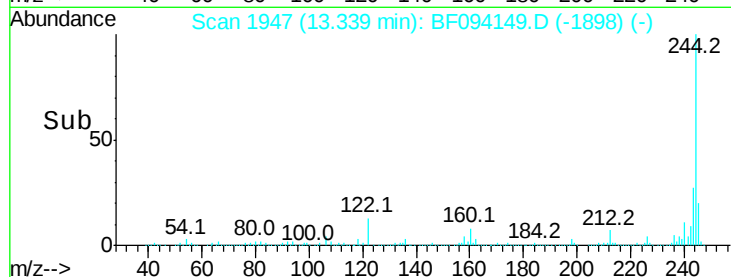
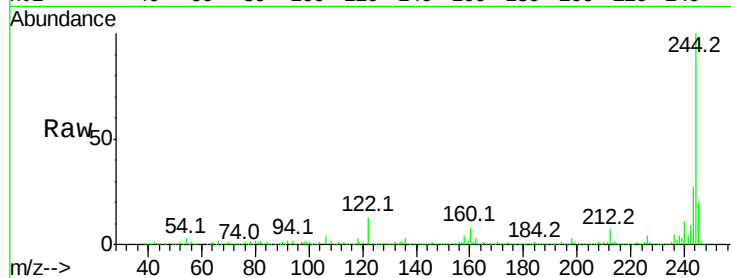
#78
 Terphenyl-d14
 Concen: 48.56 ng
 RT: 13.34 min Scan# 1947
 Delta R.T. -0.01 min
 Lab File: BF094149.D
 Acq: 4 Apr 2017 5:41

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-13

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	13.1	10.3	15.5

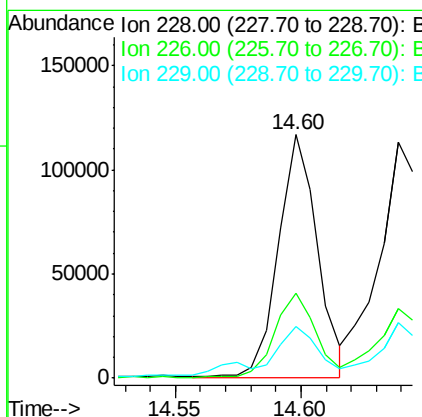
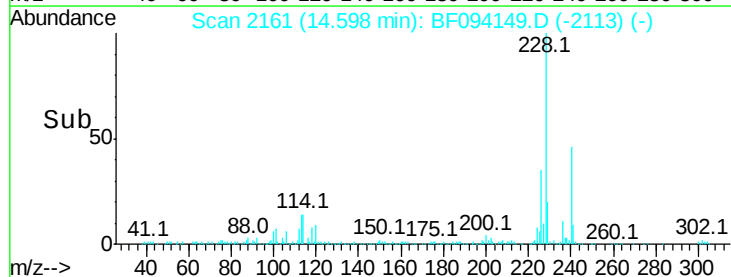
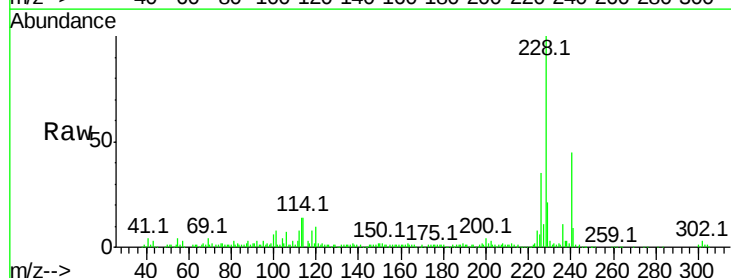
Manual Integrations
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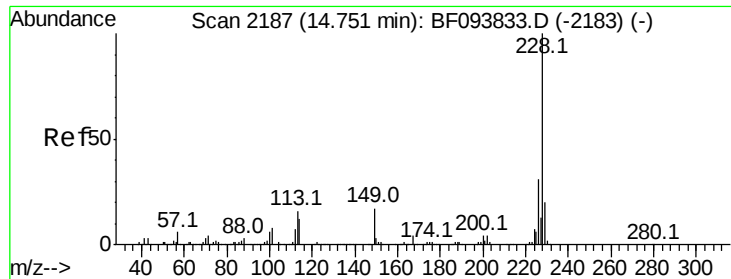
mohammad
 4/4/2017 5:34:57 PM



#80
 Benzo(a)anthracene
 Concen: 6.65 ng m
 RT: 14.60 min Scan# 2161
 Delta R.T. -0.02 min
 Lab File: BF094149.D
 Acq: 4 Apr 2017 5:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.8	22.6	33.8#
229	21.3	16.3	24.5





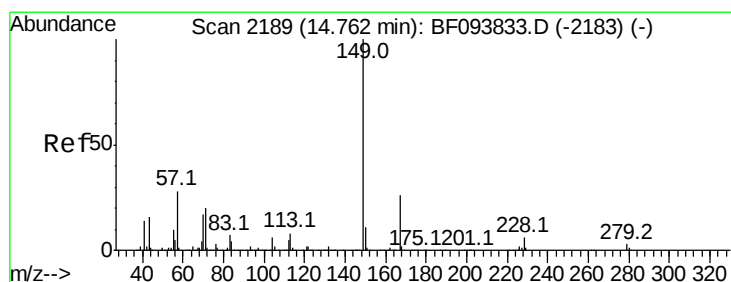
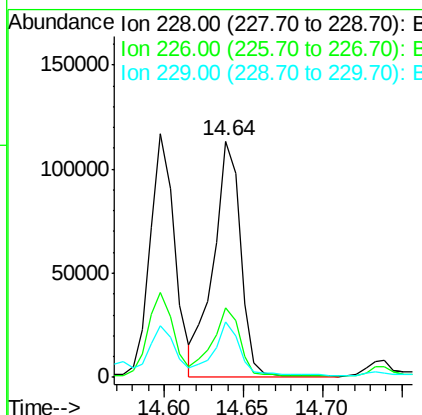
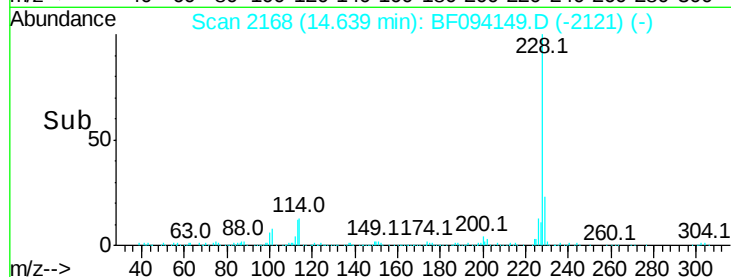
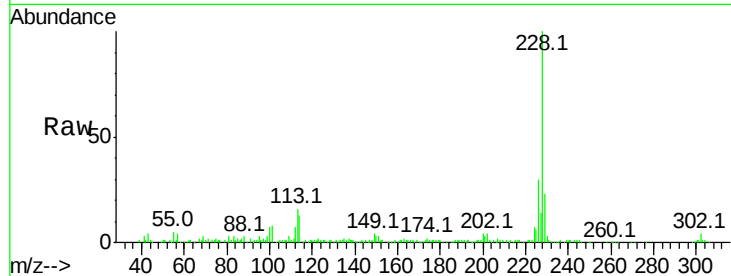
#82
 Chrysene
 Concen: 7.53 ng
 RT: 14.64 min Scan# 2168
 Delta R.T. -0.02 min
 Lab File: BF094149.D
 Acq: 4 Apr 2017 5:41

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-13

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	23.5	15.8	23.6

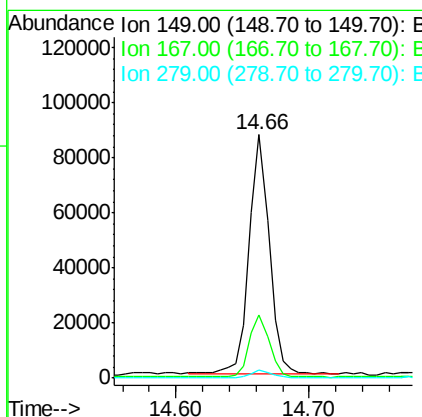
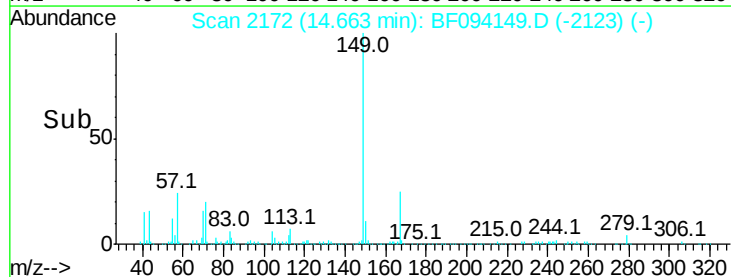
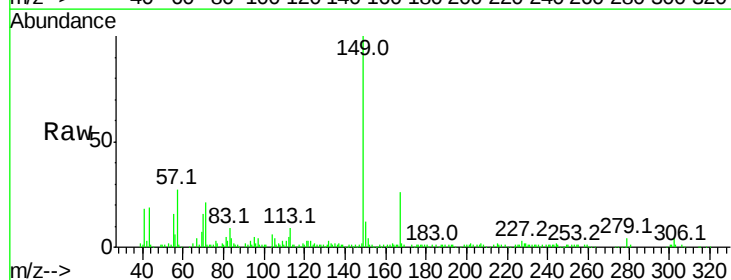
Manual Integrations
 APPROVED

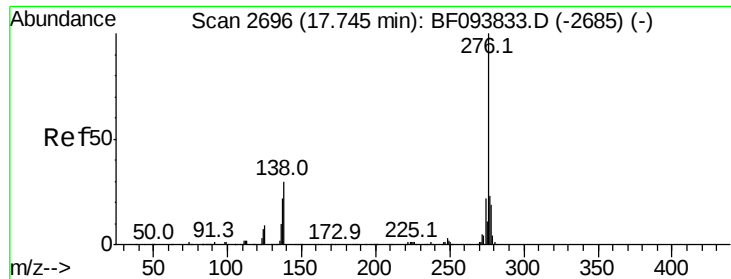
mohammad
 4/4/2017 5:34:57 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.49 ng
 RT: 14.66 min Scan# 2172
 Delta R.T. -0.01 min
 Lab File: BF094149.D
 Acq: 4 Apr 2017 5:41

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.7	21.0	31.4
279	3.5	1.9	2.9#





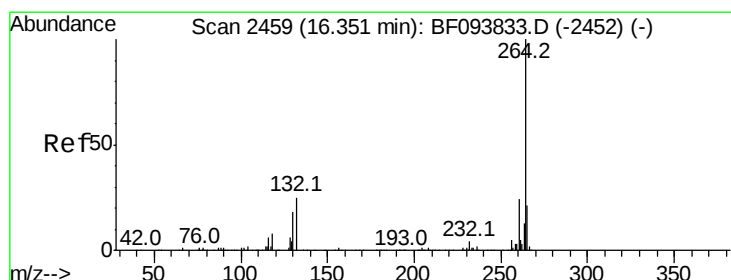
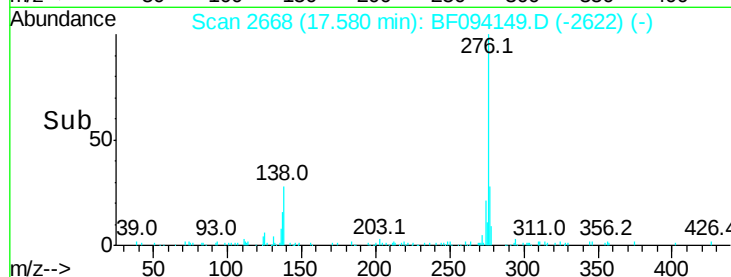
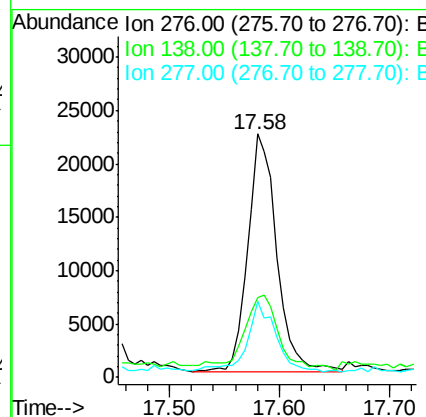
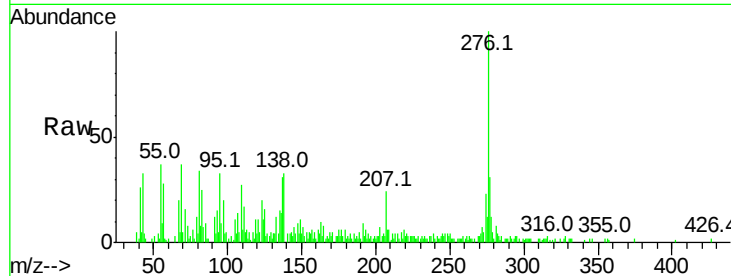
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.68 ng
RT: 17.58 min Scan# 2668
Delta R.T. -0.03 min
Lab File: BF094149.D
Acq: 4 Apr 2017 5:41

Instrument :
BNA_F
ClientSampleId :
WC-COMP-13

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.1	27.8	41.6
277	29.5	20.2	30.4

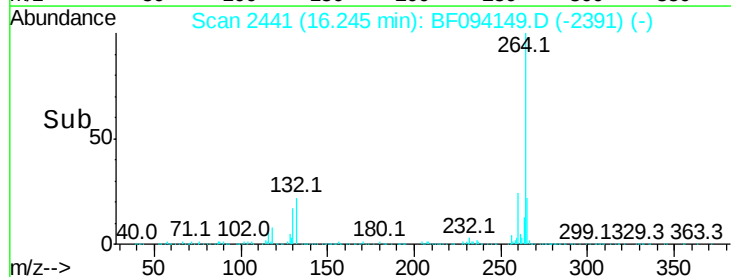
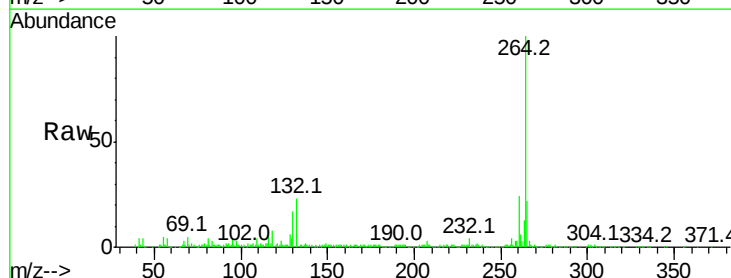
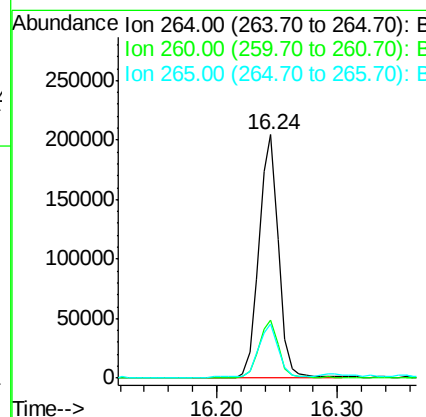
Manual Integrations
APPROVED

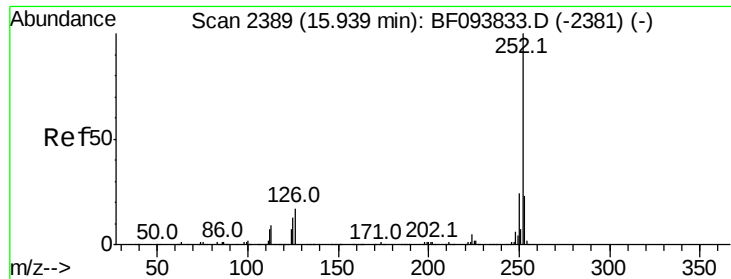
mohammad
4/4/2017 5:34:57 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.24 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BF094149.D
Acq: 4 Apr 2017 5:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.4	17.2	25.8





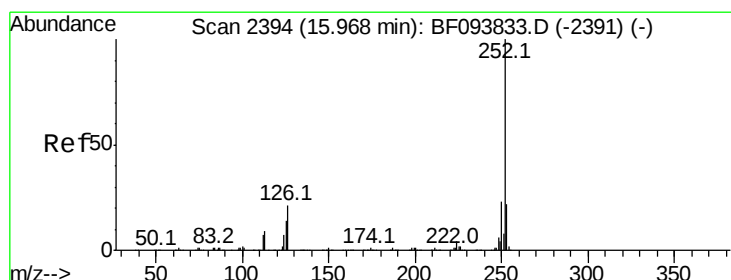
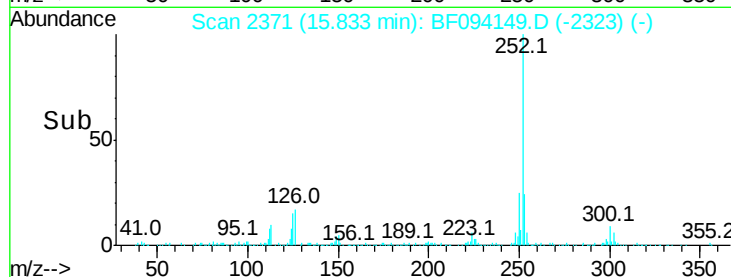
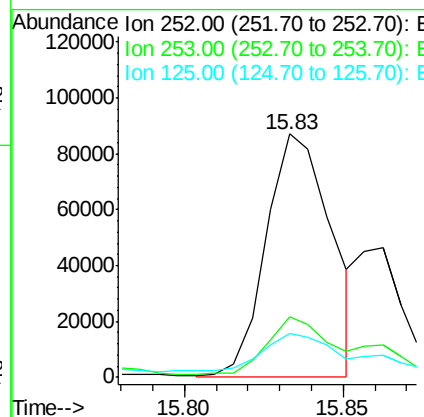
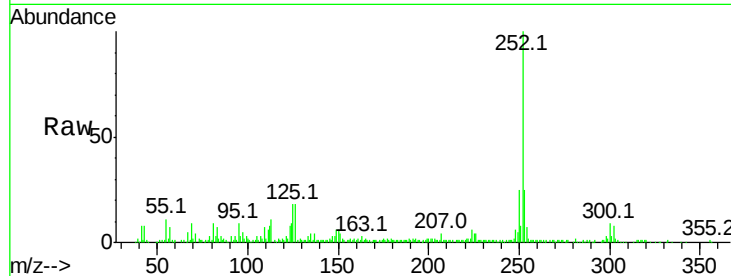
#87
Benzo(b)fluoranthene
Concen: 8.69 ng m
RT: 15.83 min Scan# 2371
Delta R.T. -0.02 min
Lab File: BF094149.D
Acq: 4 Apr 2017 5:41

Instrument :
BNA_F
ClientSampleId :
WC-COMP-13

Tot Ion	Ratio	Resp	Lower	Upper
252	100	124132		
253	25.0	18.1	27.1	
125	18.0	9.8	14.8	

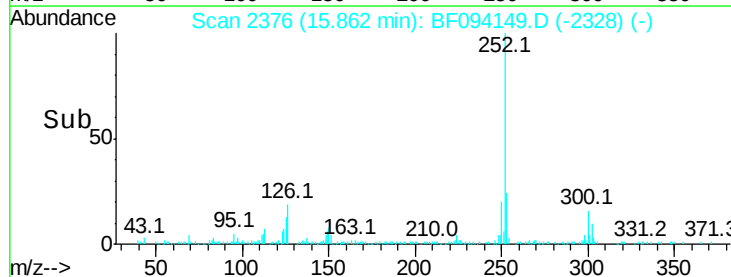
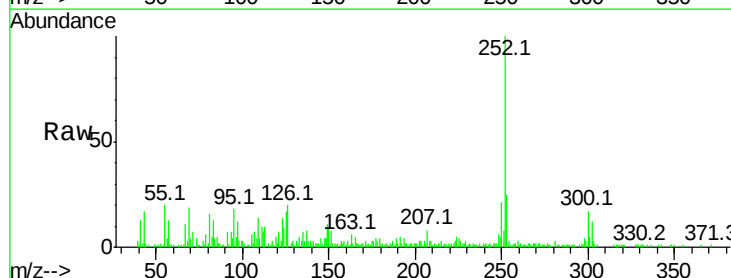
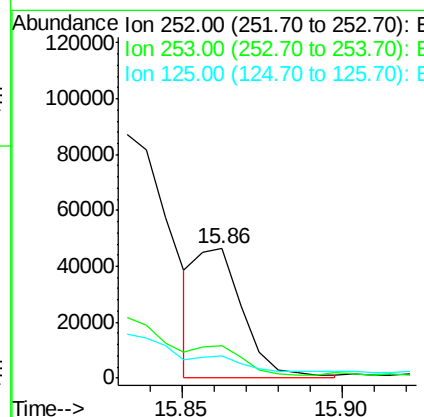
Manual Integrations
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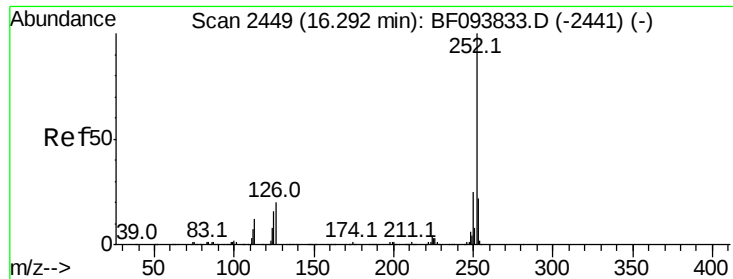
mohammad
4/4/2017 5:34:57 PM



#88
Benzo(k)fluoranthene
Concen: 3.38 ng m
RT: 15.86 min Scan# 2376
Delta R.T. -0.02 min
Lab File: BF094149.D
Acq: 4 Apr 2017 5:41

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	47239		
253	24.6	18.4	27.6	
125	17.2	13.1	19.7	





#89

Benzo(a)pyrene

Concen: 6.30 ng

RT: 16.18 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Instrument :

BNA_F

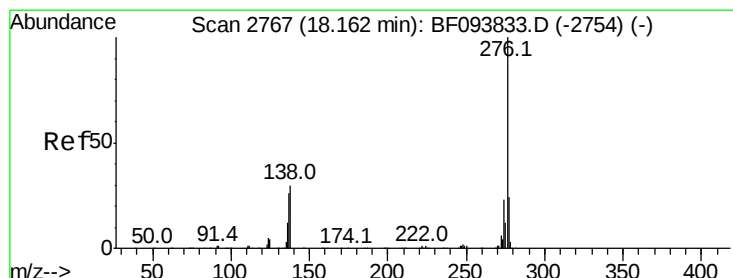
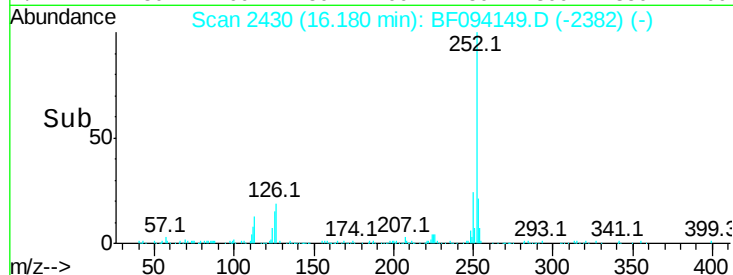
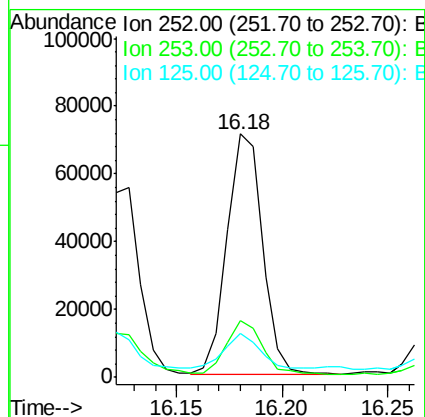
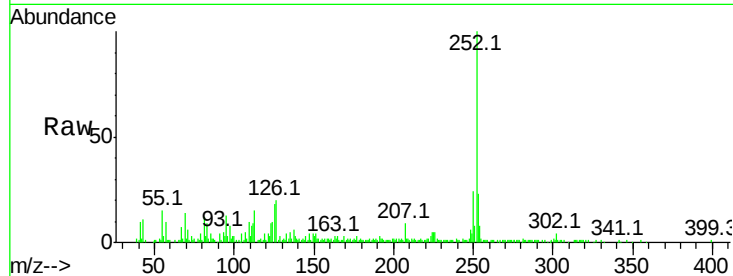
ClientSampleId :

WC-COMP-13

Tot Ion:	252	Resp:	82886
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	18.1	11.0	16.4

Manual Integrations
APPROVED

mohammad
4/4/2017 5:34:57 PM



#91

Benzo(g,h,i)perylene

Concen: 3.92 ng

RT: 17.98 min Scan# 2736

Delta R.T. -0.03 min

Lab File: BF094149.D

Acq: 4 Apr 2017 5:41

Tgt Ion:	276	Resp:	43999
Ion Ratio	Lower	Upper	
276	100		
277	26.8	18.6	28.0
138	35.7	25.4	38.0

