

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
 Data File : BF112504.D
 Acq On : 12 Feb 2019 11:26
 Operator : JU/SJ
 Sample : K1442-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-11

Manual Integrations
 APPROVED

Sohil
 2/13/2019 11:12:03 AM

Quant Time: Feb 13 03:52:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	130167	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	483681	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	207942	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	327411	20.00	ng	-0.01
76) Chrysene-d12	14.01	240	266577	20.00	ng	0.00
87) Perylene-d12	15.49	264	196266	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	763023	124.51	ng	-0.01
7) Phenol-d6	6.49	99	934216	109.71	ng	0.00
23) Nitrobenzene-d5	7.40	82	589844	70.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	221245	91.41	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1022548	69.55	ng	-0.02
79) Terphenyl-d14	12.94	244	777458	54.93	ng	-0.01
Target Compounds						
10) Phenol	6.50	94	26803	2.869	ng	Qvalue 95
50) Dimethylphthalate	9.58	163	83592	5.174	ng	98
71) Phenanthrene	11.38	178	98147	5.766	ng	97
75) Fluoranthene	12.57	202	227392	12.455	ng	98
78) Pyrene	12.80	202	221059	11.977	ng	97
81) Benzo(a)anthracene	14.00	228	119402	7.619	ng	99
83) Chrysene	14.03	228	115120m	7.696	ng	
84) Bis(2-ethylhexyl)phthalate	13.97	149	29996	2.367	ng	# 99
85) Di-n-octyl phthalate	14.57	149	174577	8.952	ng	# 88
86) Indeno(1,2,3-cd)pyrene	16.99	276	44286	3.736	ng	93
88) Benzo(b)fluoranthene	15.06	252	124279m	10.588	ng	
89) Benzo(k)fluoranthene	15.08	252	36014m	3.203	ng	
90) Benzo(a)pyrene	15.43	252	77396	7.328	ng	# 90
92) Benzo(a,h,i)perylene	17.44	276	48182	6.000	ng	# 92

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

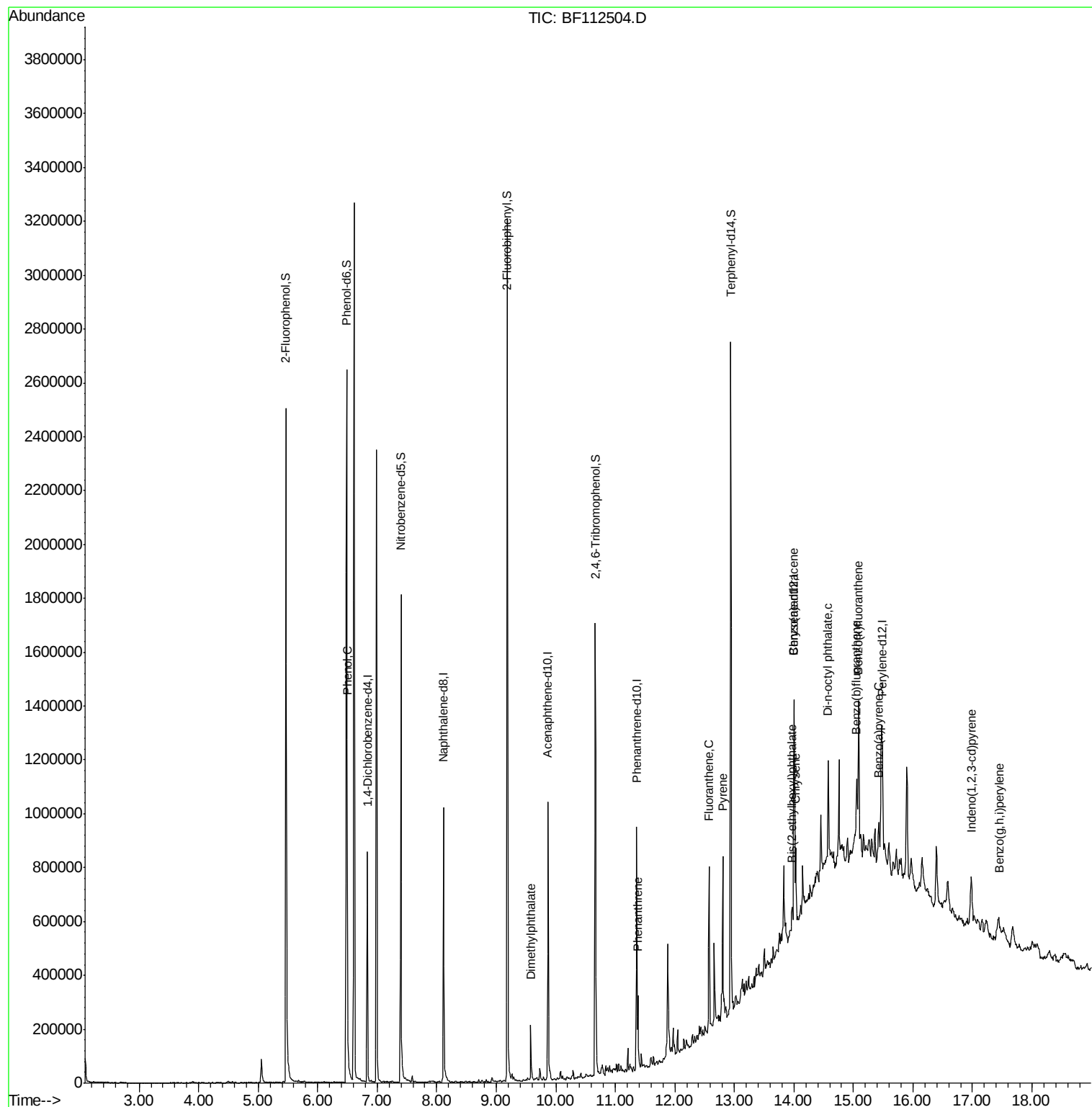
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
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#1

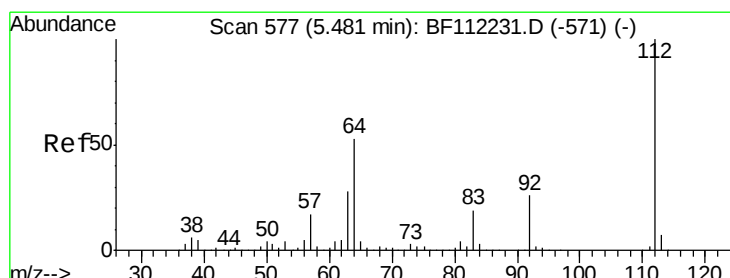
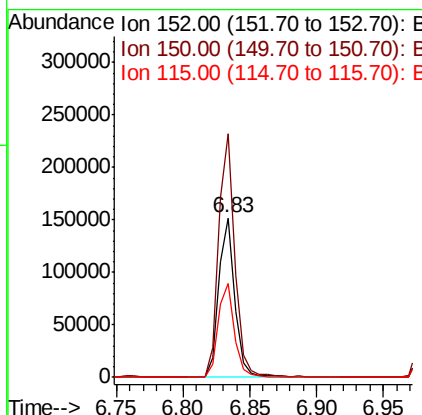
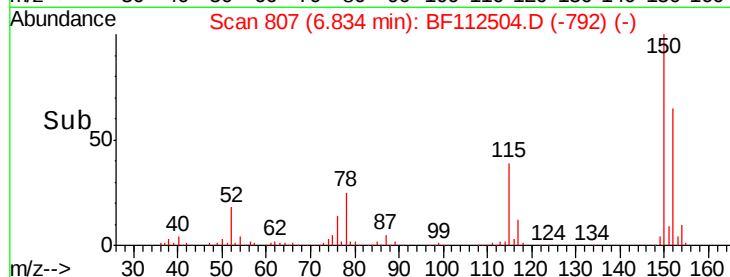
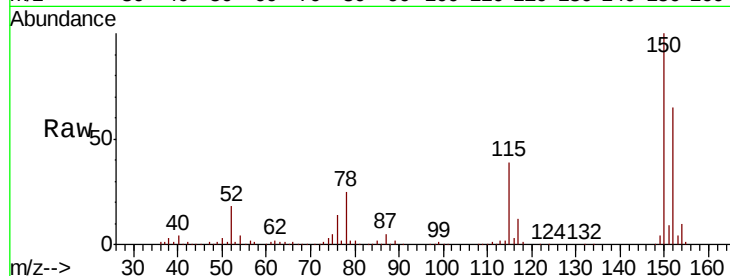
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Instrument :
BNA_F
ClientSampleId :
COMP-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	127.4	191.0
115	58.8	45.5	68.3

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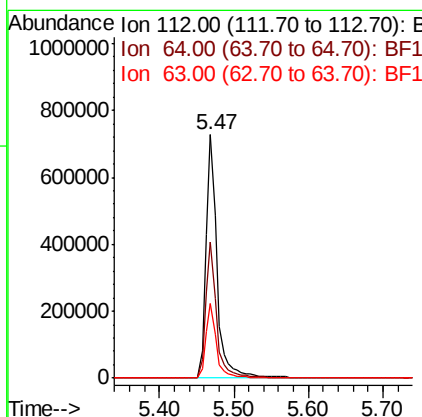
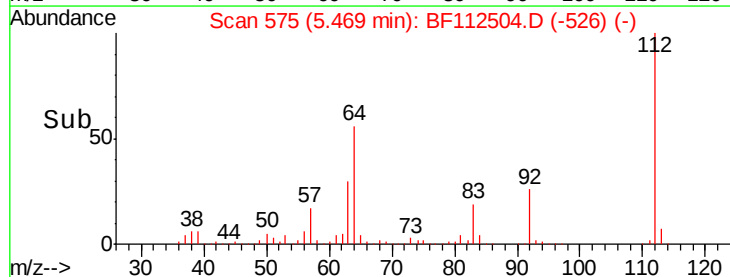
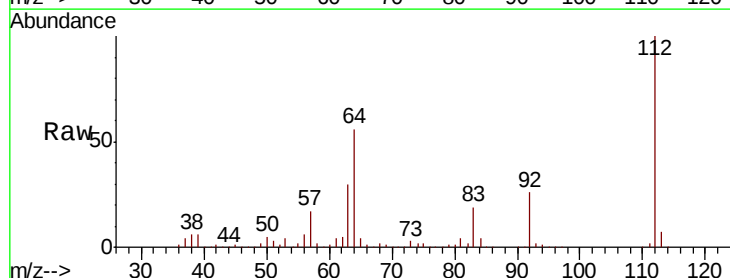
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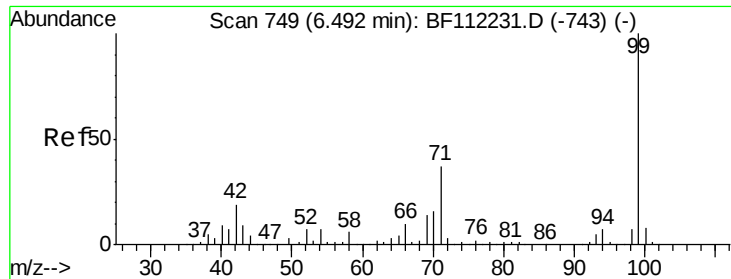


#5

2-Fluorophenol
Concen: 124.510 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.7	68.5
63	30.4	23.6	35.4





#7

Phenol-d6

Concen: 109.708 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Instrument :

BNA_F

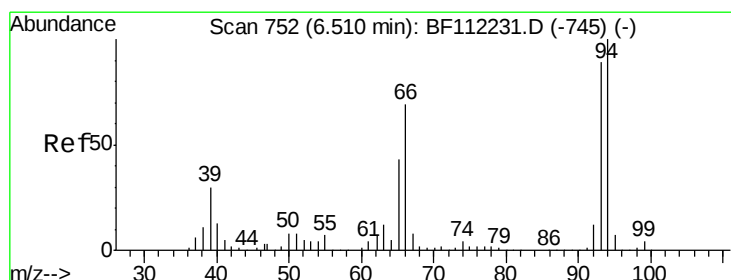
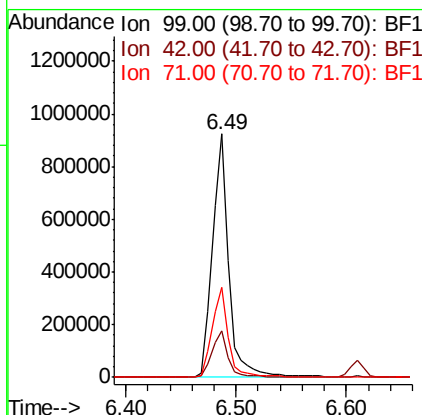
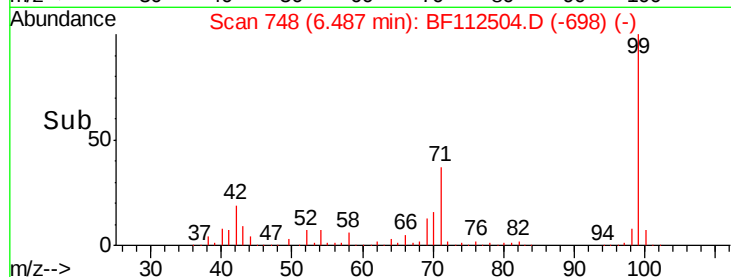
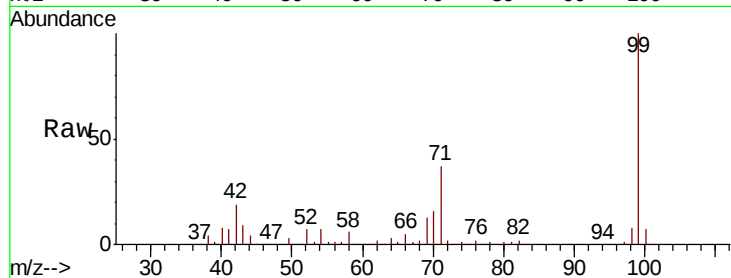
ClientSampleId :

COMP-11

Tot Ion:	99	Resp:	934216
Ion Ratio	Lower	Upper	
99	100		
42	19.0	15.1	22.7
71	36.9	26.9	40.3

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#10

Phenol

Concen: 2.869 ng

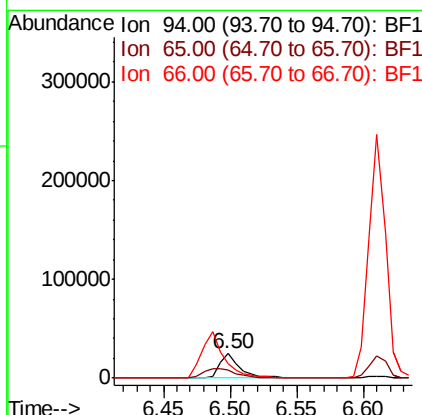
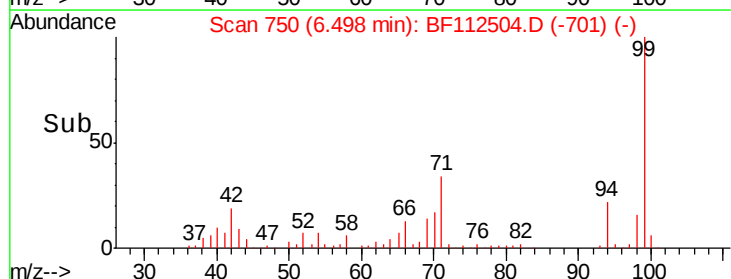
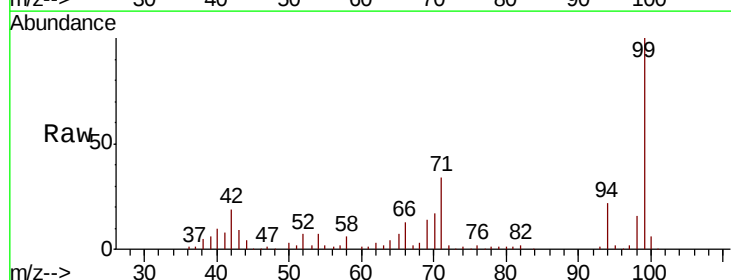
RT: 6.50 min Scan# 750

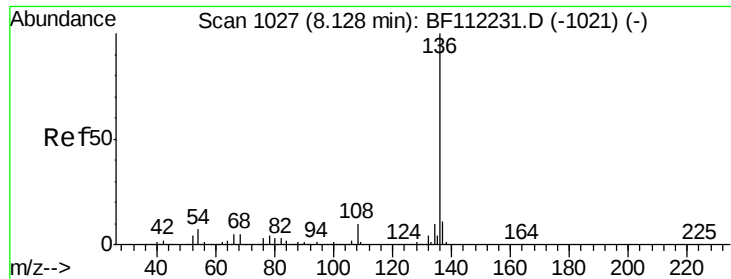
Delta R.T. -0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Tgt Ion:	94	Resp:	26803
Ion Ratio	Lower	Upper	
94	100		
65	34.0	20.3	60.3
66	60.7	42.4	82.4





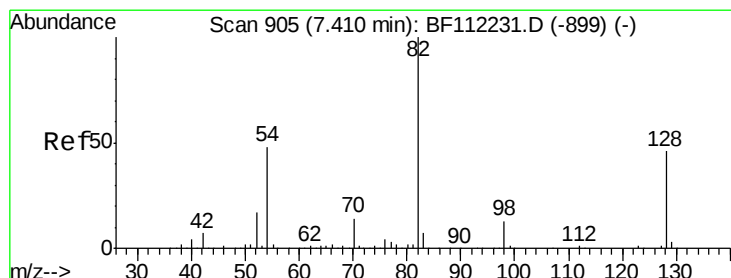
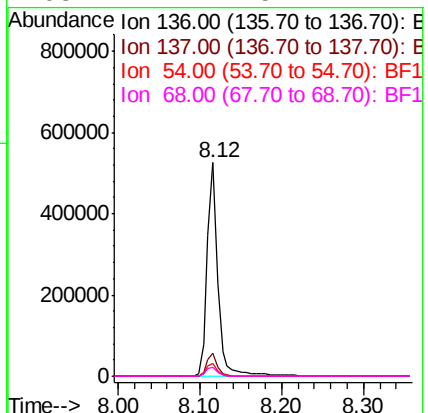
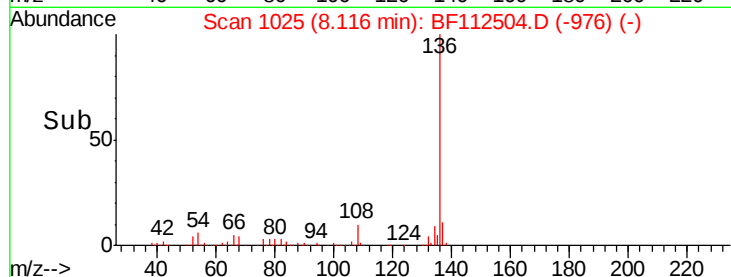
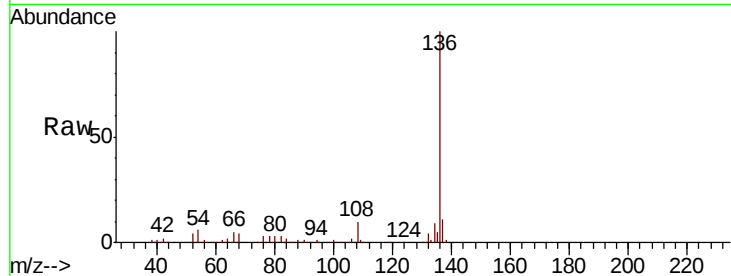
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Instrument :
BNA_F
ClientSampleId :
COMP-11

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	9.1	13.7	
54	6.2	5.9	8.9	
68	4.4	5.1	7.7	

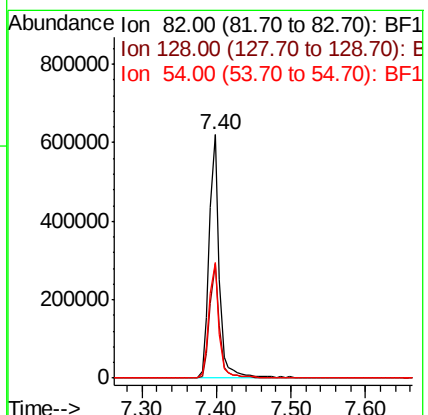
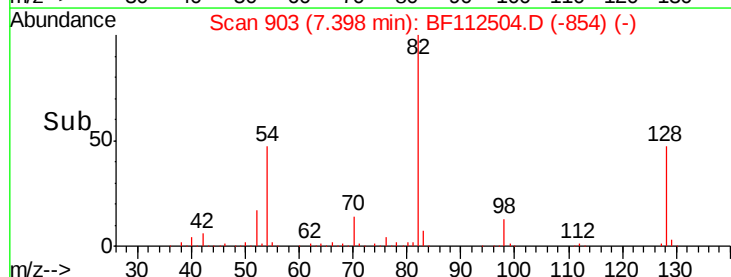
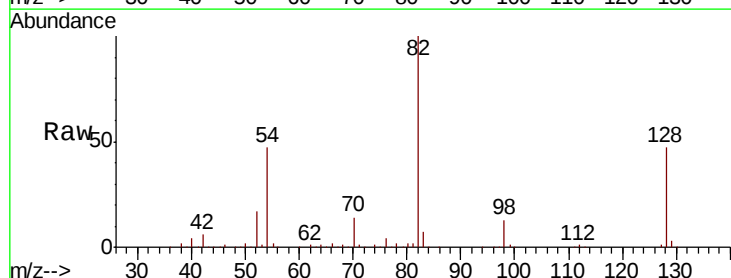
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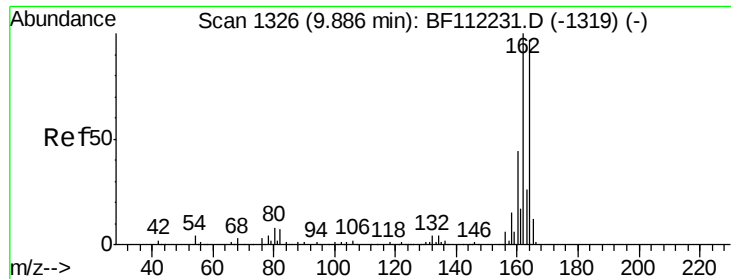
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#23
Nitrobenzene-d5
Concen: 70.267 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.8	37.8	56.8	
54	47.3	39.7	59.5	





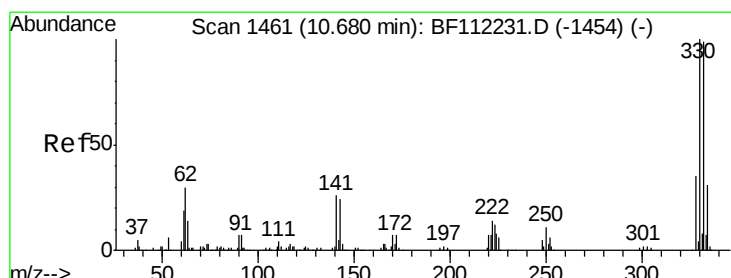
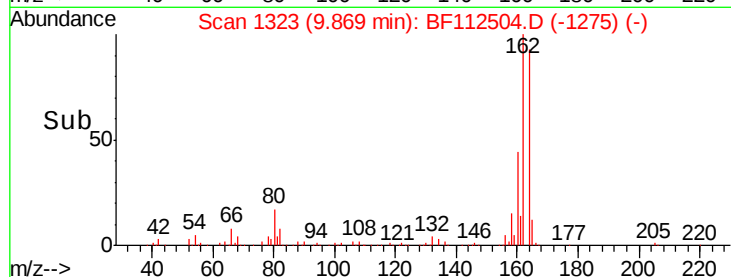
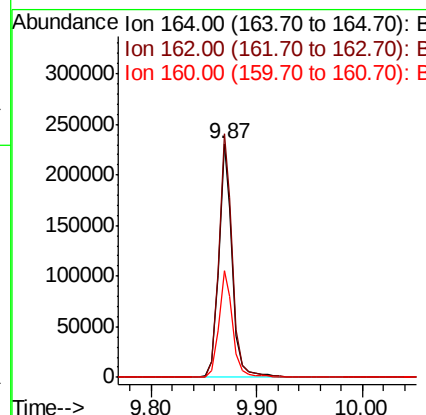
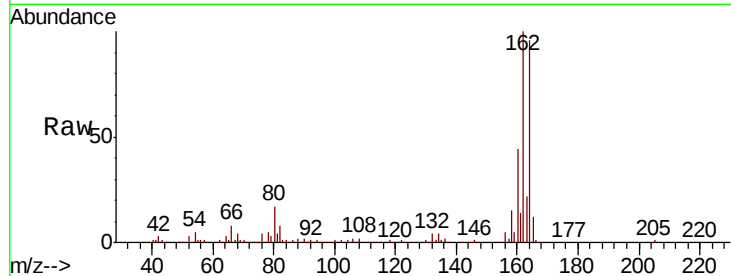
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112504.D
 Acq: 12 Feb 2019 11:26

Instrument :
 BNA_F
 ClientSampleId :
 COMP-11

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.1	82.2	123.4	
160	45.4	36.2	54.4	

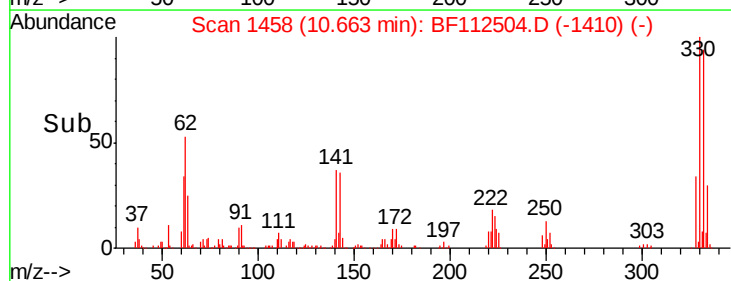
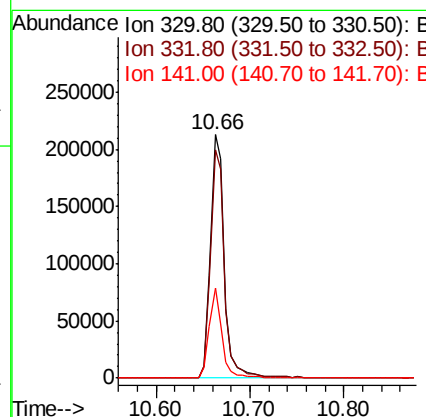
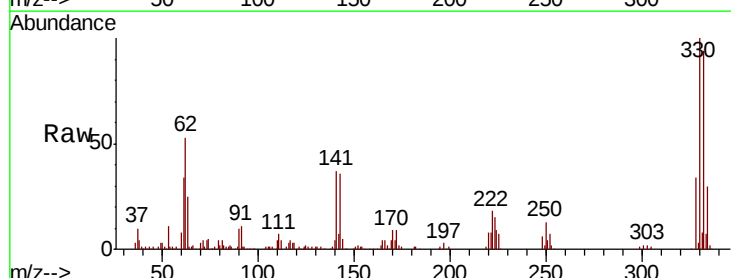
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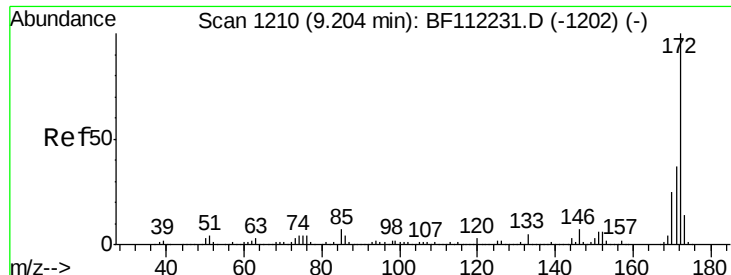
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#42
 2,4,6-Tribromophenol
 Concen: 91.409 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112504.D
 Acq: 12 Feb 2019 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.8	76.6	114.8	
141	34.0	24.3	36.5	





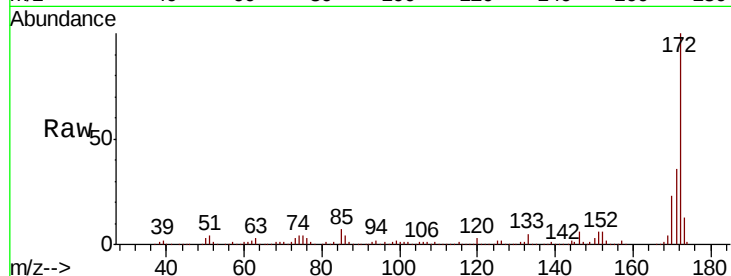
#45
2-Fluorobiphenyl
Concen: 69.550 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Instrument :
BNA_F
ClientSampled :
COMP-11

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.5	45.7
170	23.5	20.2	30.4

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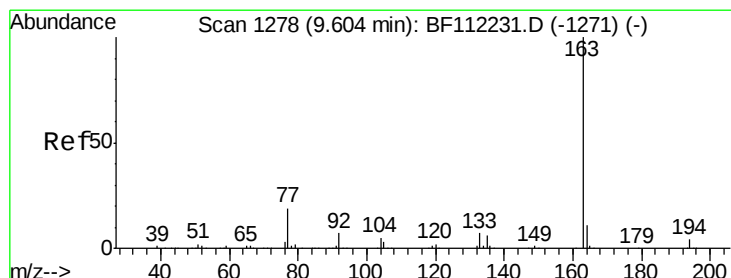
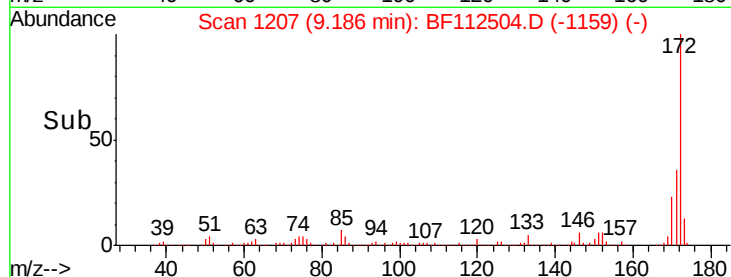
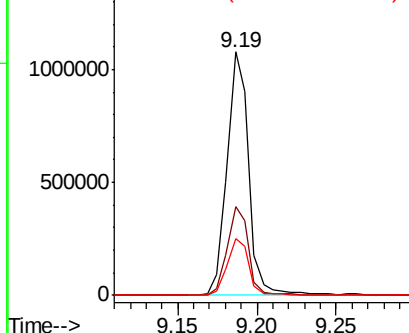


Abundance

Ion 172.00 (171.70 to 172.70): E

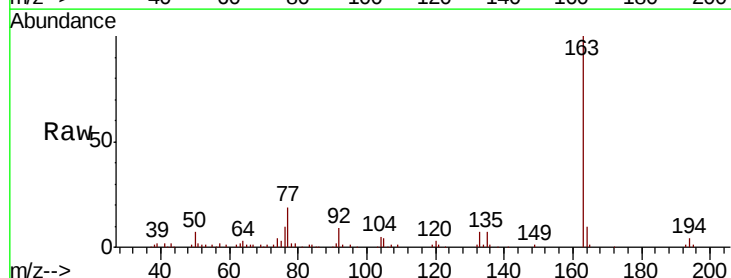
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.174 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	9.5	8.5	12.7

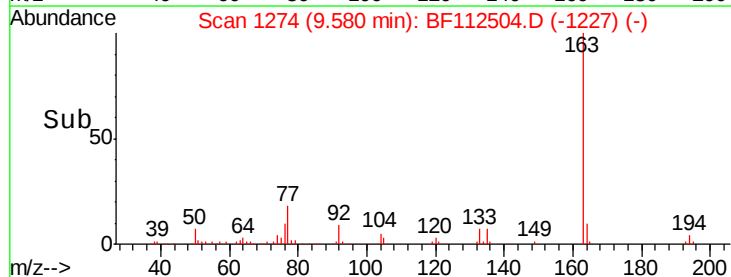
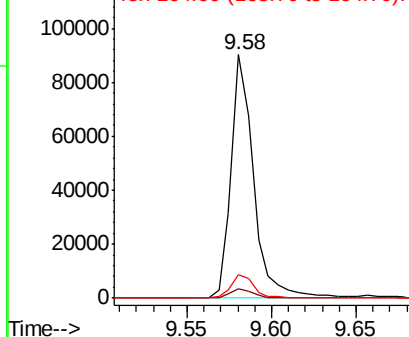


Abundance

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





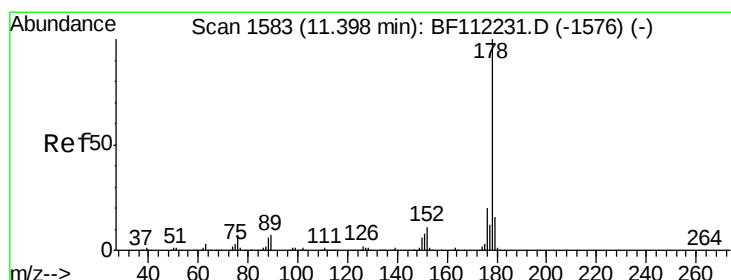
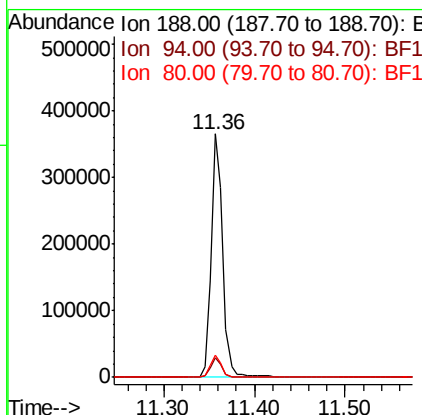
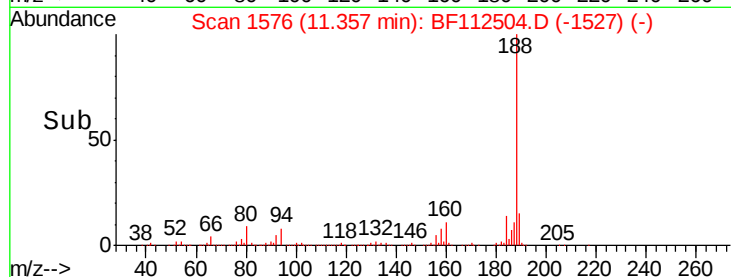
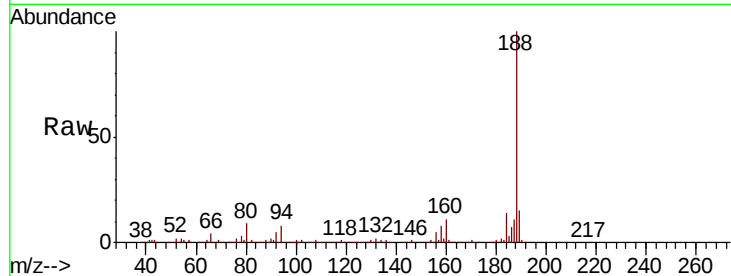
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Instrument :
BNA_F
ClientSampled :
COMP-11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		327411		
94	8.3		8.2	12.2	
80	9.4		8.9	13.3	

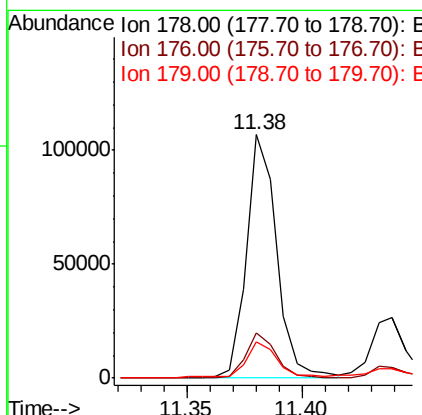
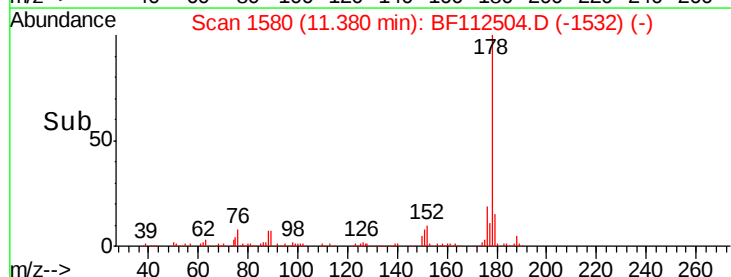
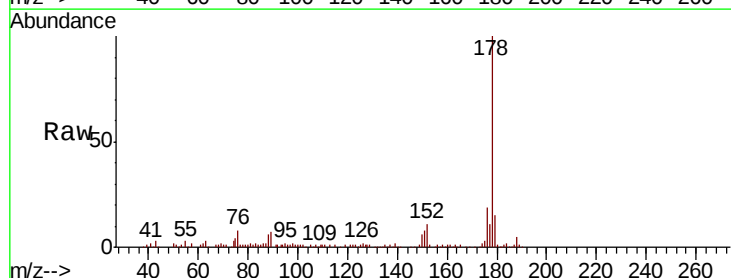
Manual Integrations
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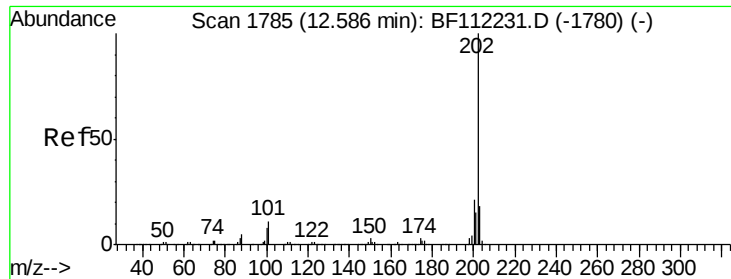
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#71
Phenanthrene
Concen: 5.766 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		98147		
176	18.7		16.3	24.5	
179	15.0		13.0	19.4	





#75

Fluoranthene

Concen: 12.455 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Instrument :

BNA_F

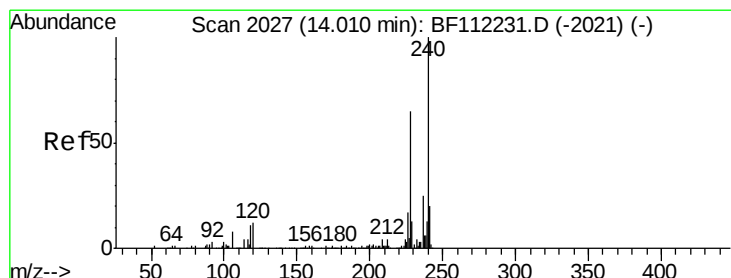
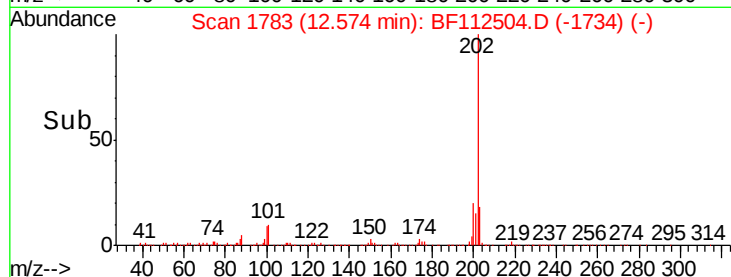
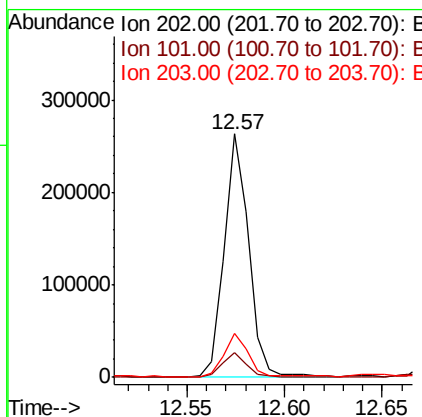
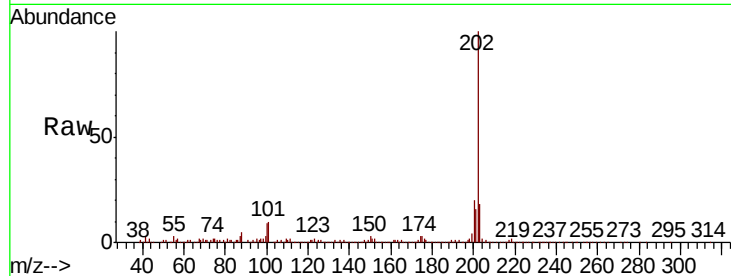
ClientSampleId :

COMP-11

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.1	0.0	31.8
203	17.8	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

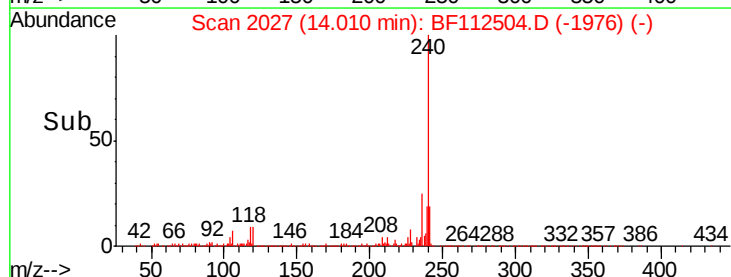
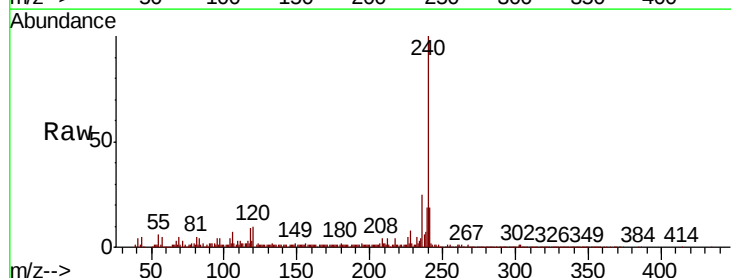
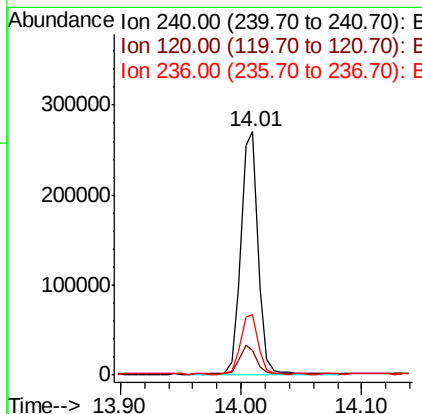
RT: 14.01 min Scan# 2027

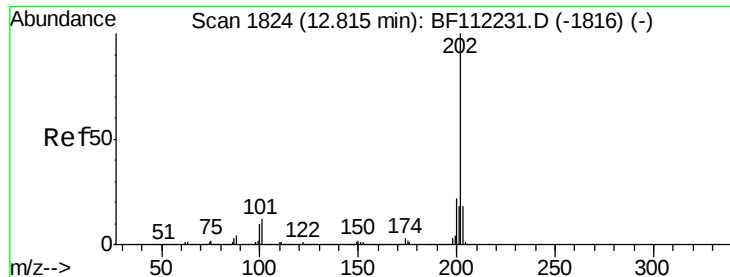
Delta R.T. 0.00 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	9.0	13.6
236	25.1	20.7	31.1





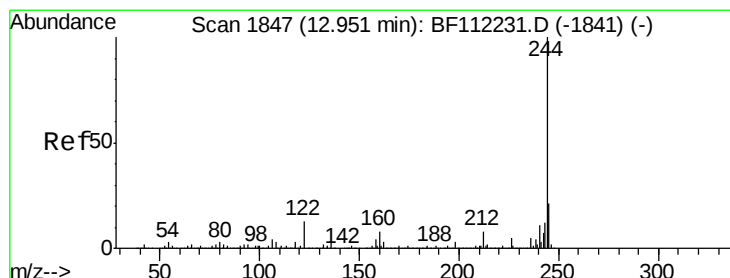
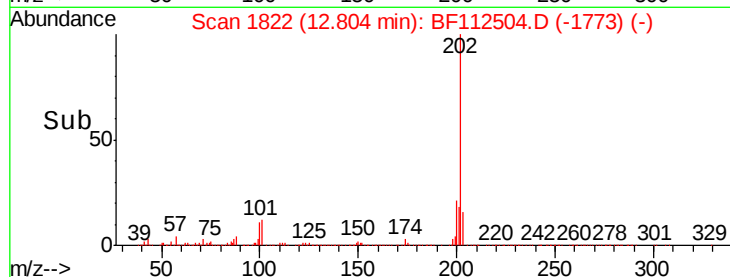
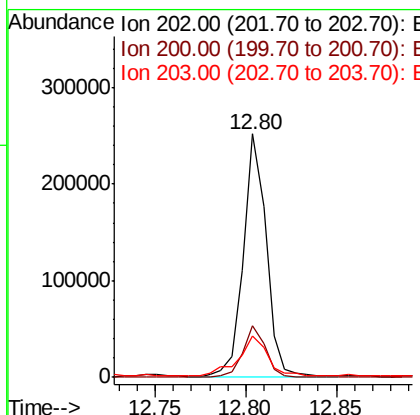
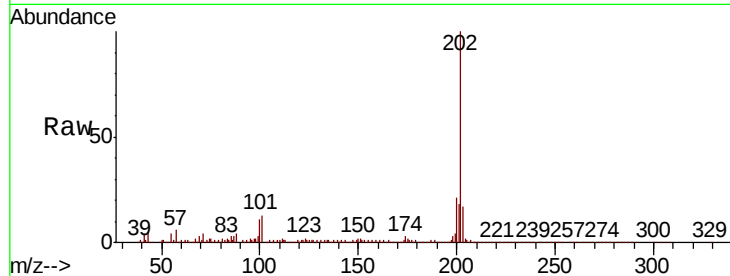
#78
Pvrene
Concen: 11.977 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Instrument :
BNA_F
ClientSampleId :
COMP-11

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	17.7	26.5
203	16.9	14.6	22.0

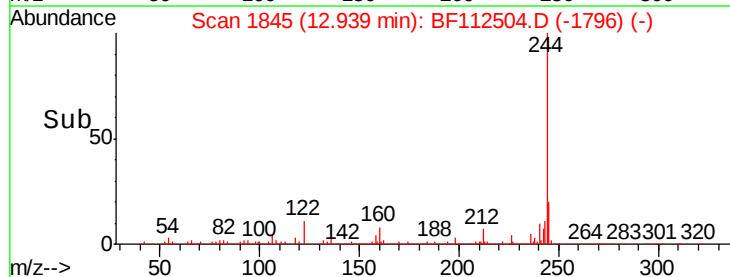
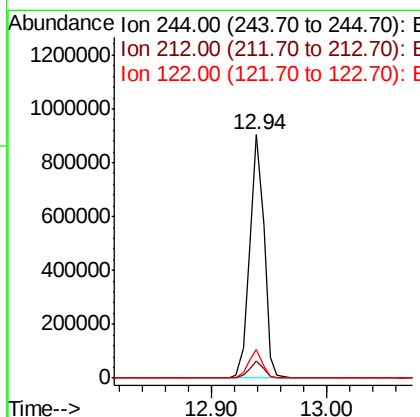
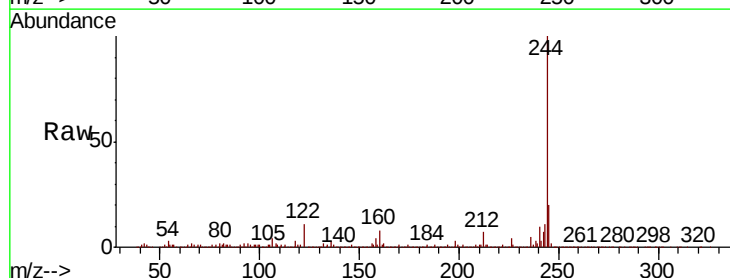
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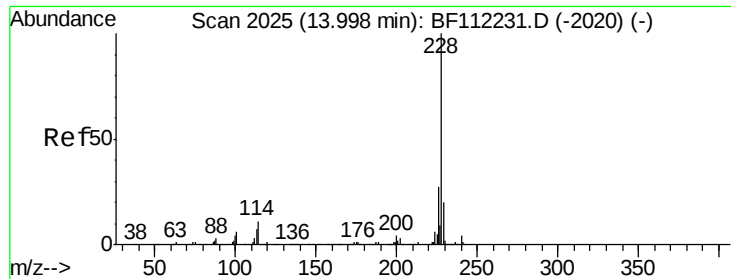
Sohil
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#79
Terphenyl-d14
Concen: 54.930 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.9	8.9
122	11.5	9.8	14.6





#81

Benzo(a)anthracene

Concen: 7.619 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Instrument :

BNA_F

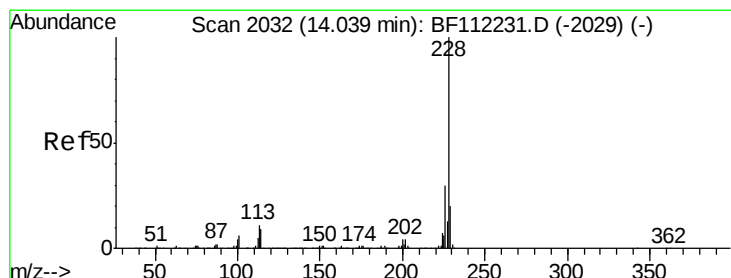
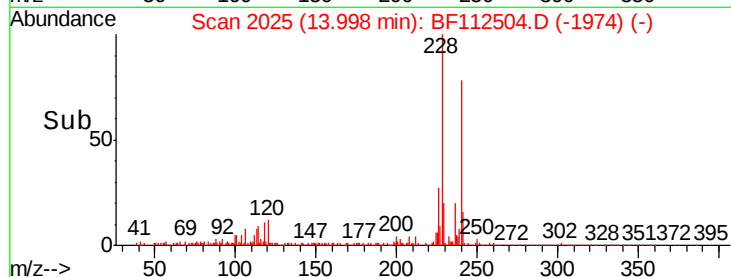
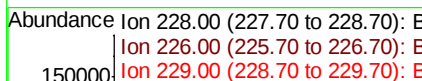
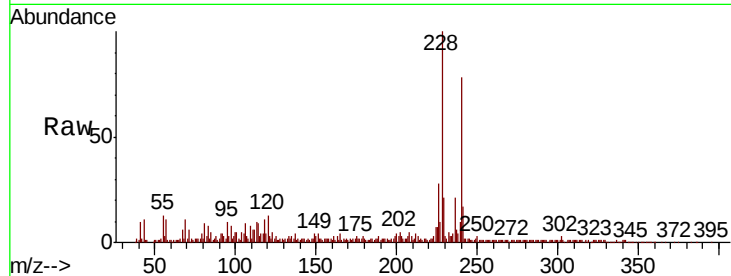
ClientSampleId :

COMP-11

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	34.0
229	21.4	16.5	24.7

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#83

Chrysene

Concen: 7.696 ng m

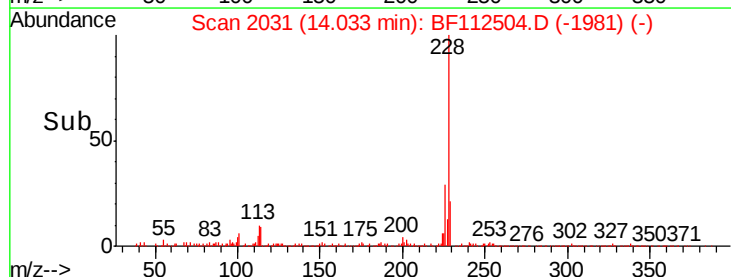
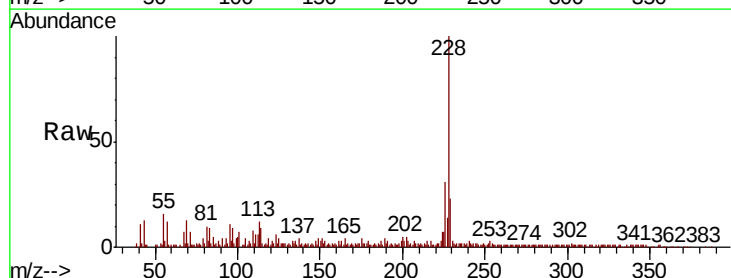
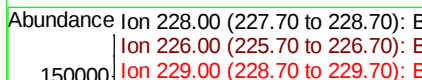
RT: 14.03 min Scan# 2031

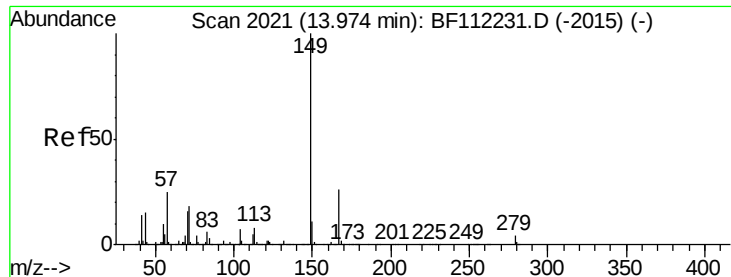
Delta R.T. -0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	22.8	16.6	24.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.367 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Instrument :

BNA_F

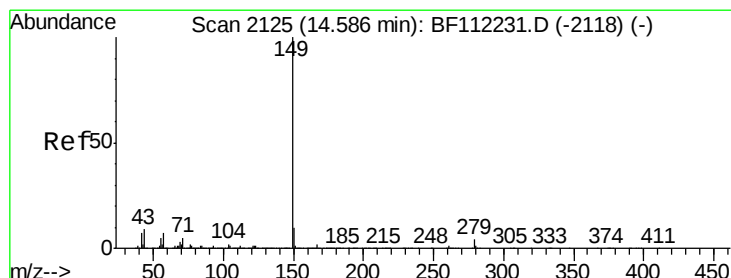
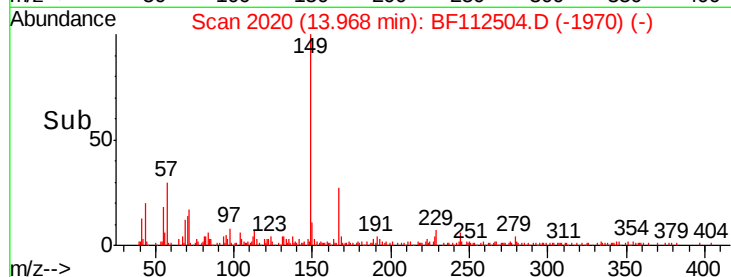
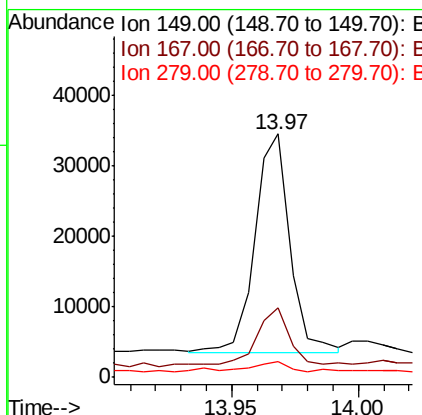
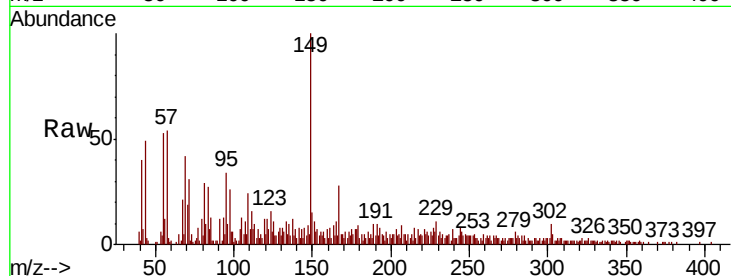
ClientSampleId :

COMP-11

Tot Ion:	149	Resp:	29996
Ion Ratio	Lower	Upper	
149	100		
167	28.4	22.5	33.7
279	6.3	3.8	5.6#

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#85

Di-n-octyl phthalate

Concen: 8.952 ng

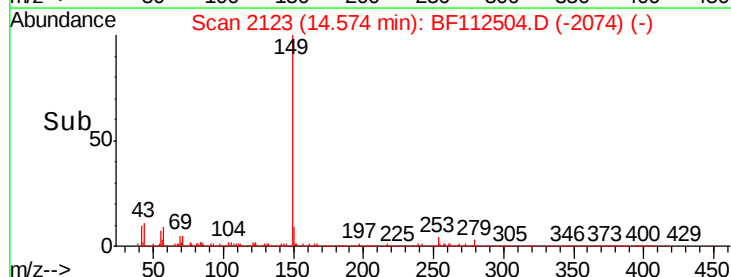
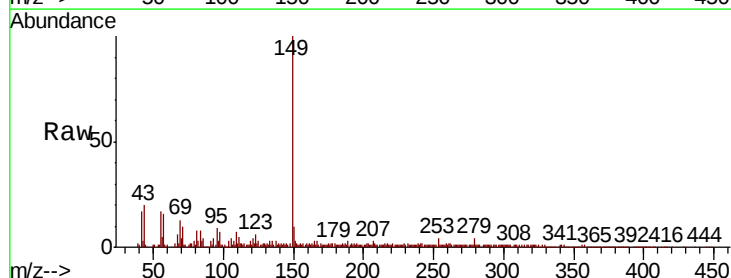
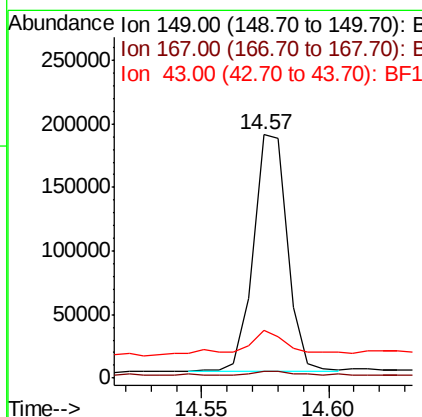
RT: 14.57 min Scan# 2123

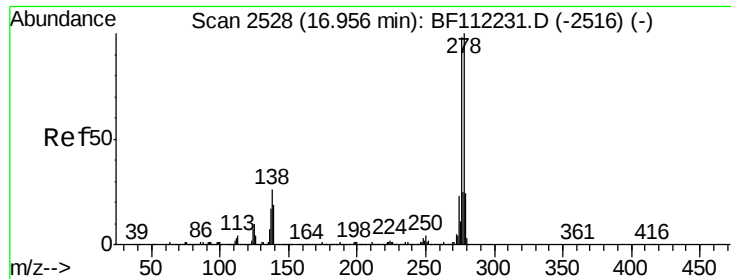
Delta R.T. -0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Tgt Ion:	149	Resp:	174577
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.3	1.9
43	14.8	7.8	11.6#





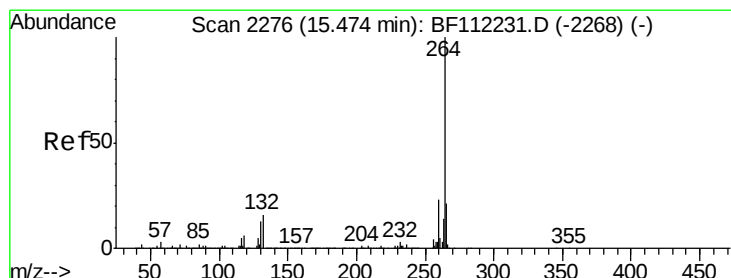
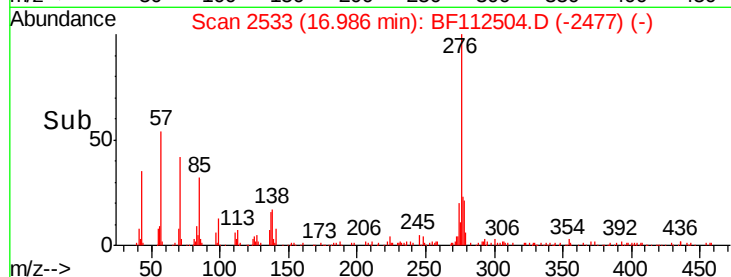
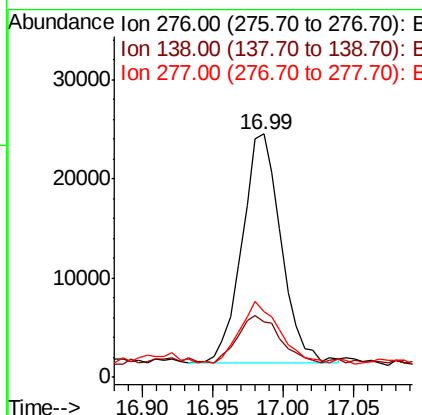
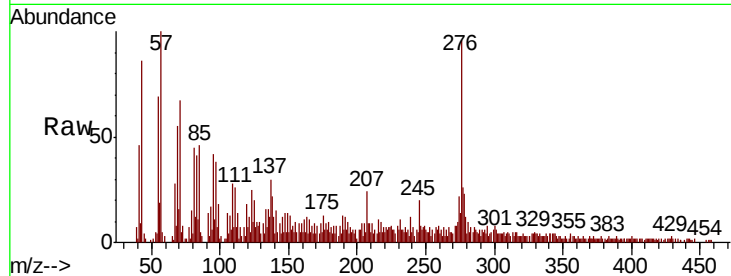
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.736 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.03 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Instrument :
BNA_F
ClientSampleId :
COMP-11

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	22.6	34.0
277	27.2	20.3	30.5

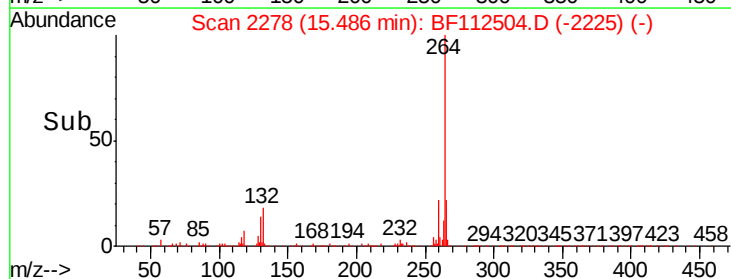
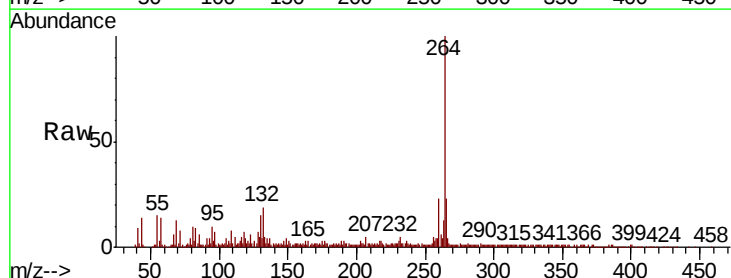
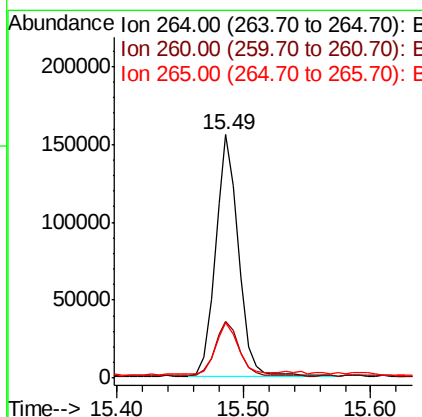
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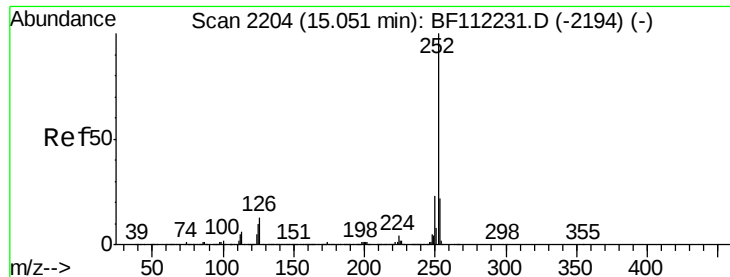
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.2
265	22.9	17.0	25.4





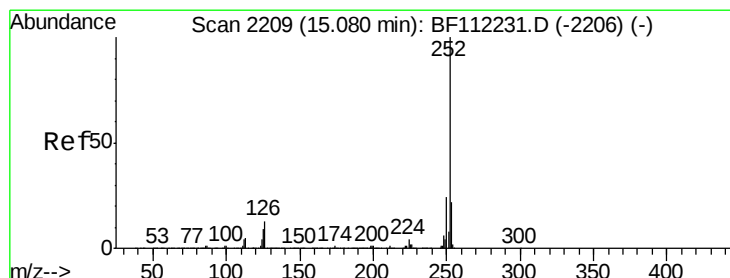
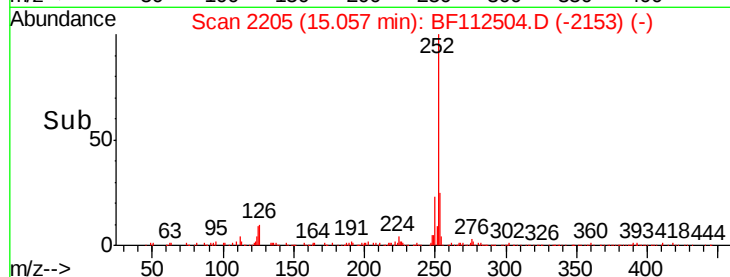
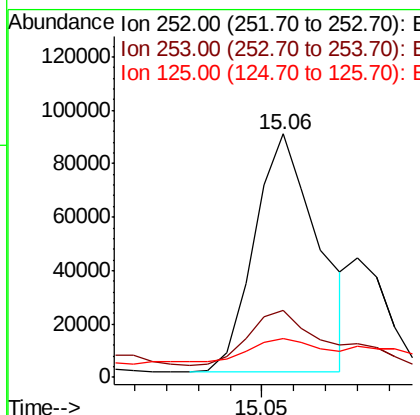
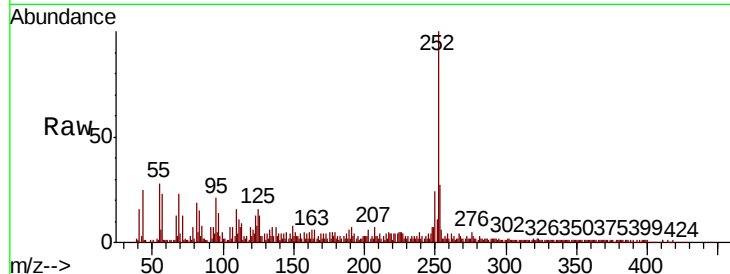
#88
Benzo(b)fluoranthene
Concen: 10.588 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Instrument :
BNA_F
ClientSampleId :
COMP-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.0	27.0#
125	15.8	8.7	13.1#

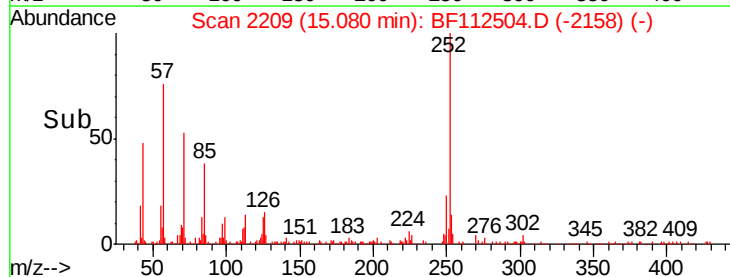
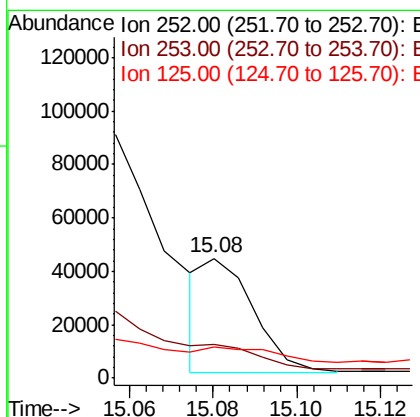
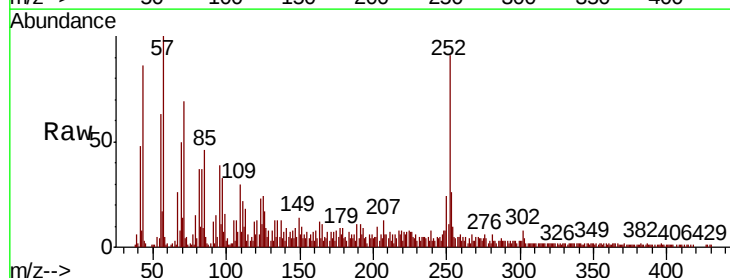
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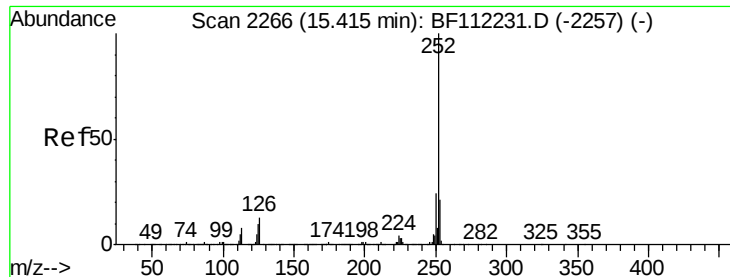
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#89
Benzo(k)fluoranthene
Concen: 3.203 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.0	27.0#
125	26.3	9.1	13.7#





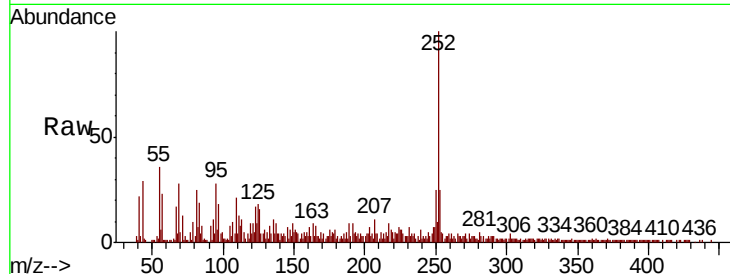
#90
Benzo(a)pyrene
Concen: 7.328 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Instrument :
BNA_F
ClientSampleId :
COMP-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	18.4	9.0	13.4

Manual Integrations
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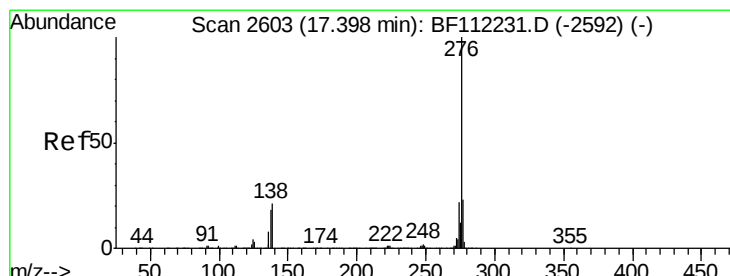
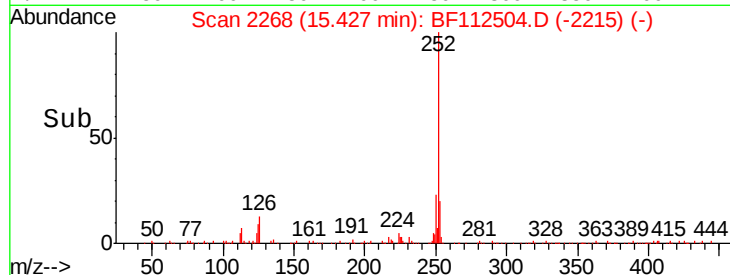
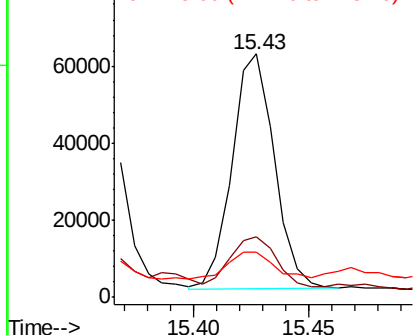


Abundance

Ion 252.00 (251.70 to 252.70): E

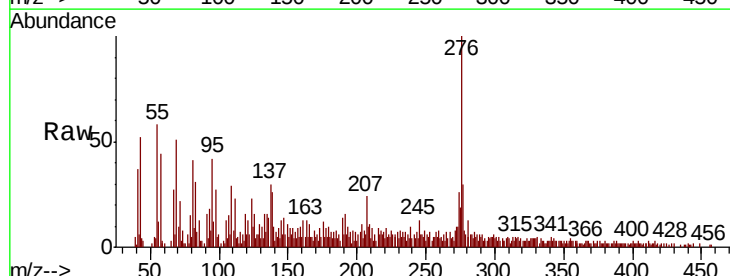
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 6.000 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.04 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.9	19.4	29.0
138	25.8	19.1	28.7



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

