

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
 Data File : BF111423.D
 Acq On : 14 Dec 2018 17:17
 Operator : JU/SJ
 Sample : J6319-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 064_SW-E-2

Manual Integrations
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Sohil
 12/17/2018 2:36:30 PM

Quant Time: Dec 14 17:51:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	170519	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	660261	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	305874	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	429931	20.00	ng	0.00
76) Chrysene-d12	13.99	240	258638	20.00	ng	0.04
87) Perylene-d12	15.43	264	248197	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1007304	98.30	ng	0.00
7) Phenol-d6	6.44	99	1300711	95.43	ng	0.00
23) Nitrobenzene-d5	7.36	82	790978	71.34	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	215401	78.61	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1113890	56.25	ng	0.00
79) Terphenyl-d14	12.91	244	670960	60.92	ng	0.01
Target Compounds						
10) Phenol	6.45	94	103168	6.795	ng	95
31) Naphthalene	8.10	128	328945	10.652	ng	96
37) 2-Methylnaphthalene	8.79	142	140214	6.710	ng	99
38) 1-Methylnaphthalene	8.89	142	153980	7.627	ng	# 99
49) Acenaphthylene	9.69	152	412068	14.092	ng	96
50) Dimethylphthalate	9.55	163	103299	4.689	ng	99
52) Acenaphthene	9.86	154	461134	24.950	ng	97
55) Dibenzofuran	10.03	168	352281	13.131	ng	95
58) Fluorene	10.38	166	785284	40.356	ng	99
71) Phenanthrene	11.36	178	5119129	231.075	ng	100
72) Anthracene	11.40	178	1485230	65.555	ng	96
73) Carbazole	11.54	167	608362	25.967	ng	97
75) Fluoranthene	12.57	202	8118405	374.591	ng	94
78) Pyrene	12.80	202	7360410	403.645	ng	95
81) Benzo(a)anthracene	13.97	228	4868629	346.197	ng	97
83) Chrysene	14.02	228	4056179	273.793	ng	95
86) Indeno(1,2,3-cd)pyrene	16.89	276	1989537	186.073	ng	# 89
88) Benzo(b)fluoranthene	15.03	252	6028338m	416.603	ng	
89) Benzo(k)fluoranthene	15.06	252	1047943m	75.792	ng	
90) Benzo(a)pyrene	15.39	252	3624941	277.800	ng	96
91) Dibenzo(a,h)anthracene	16.89	278	668233	64.920	ng	94
92) Benzo(g,h,i)perylene	17.32	276	1853344	183.432	ng	93

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

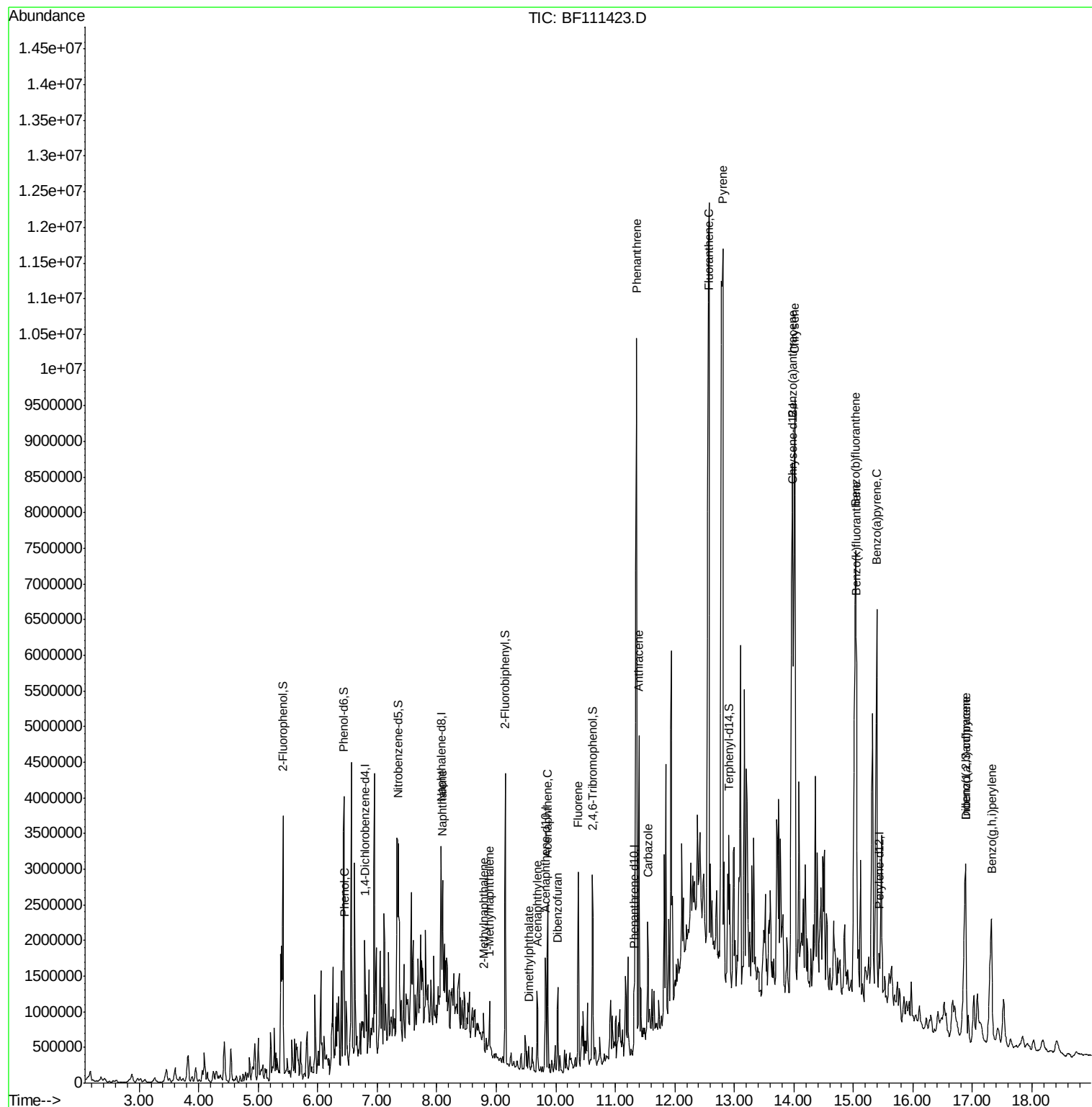
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
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 Misc :
 ALS Vial : 9 Sample Multiplier: 1

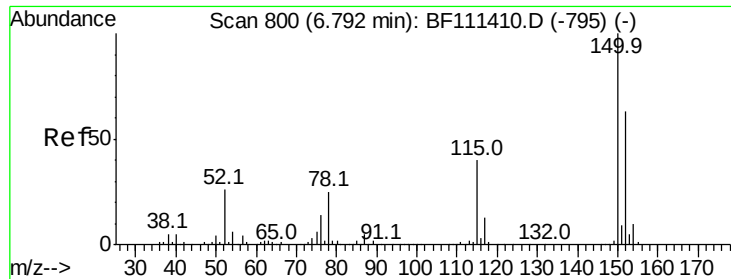
Instrument :
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 064_SW-E-2

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#1

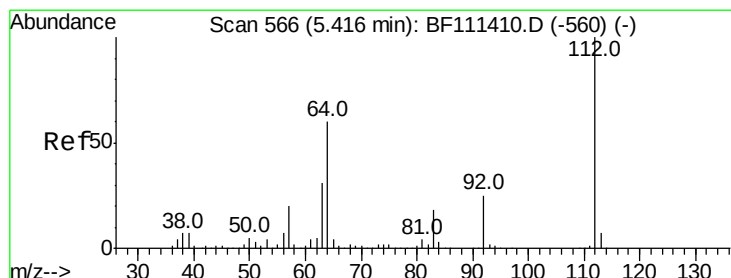
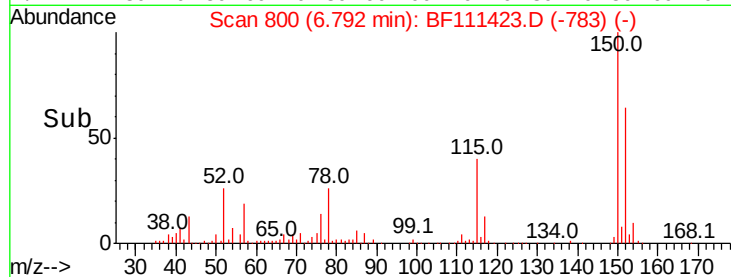
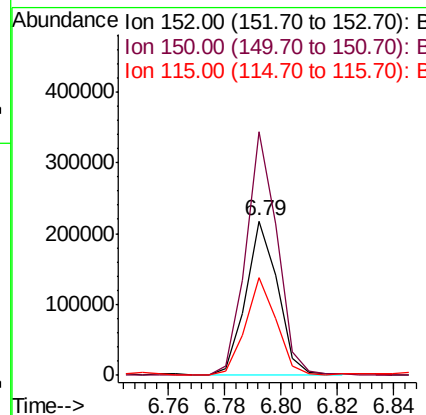
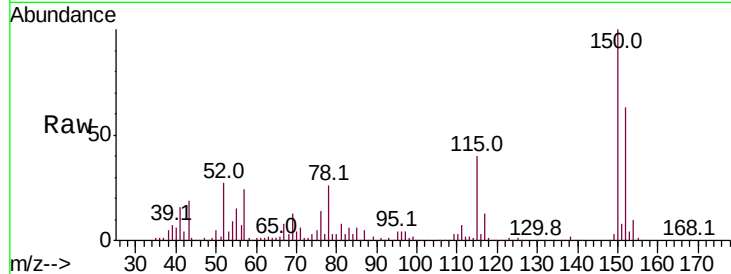
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.6	189.8
115	62.9	50.7	76.1

Manual Integrations
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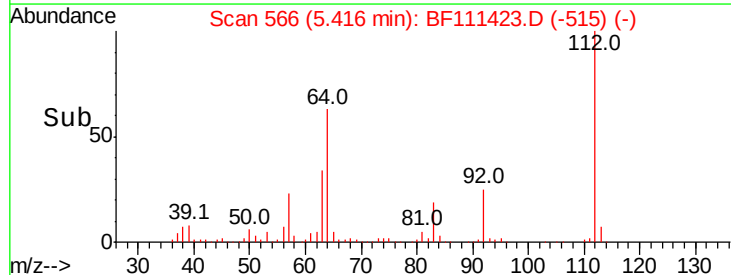
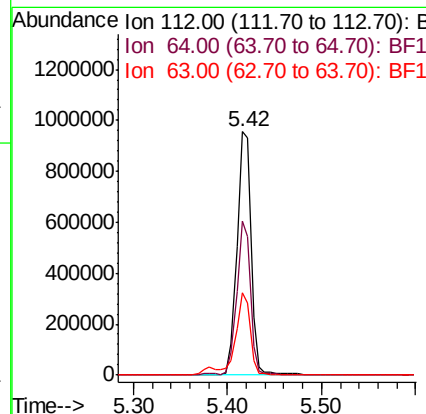
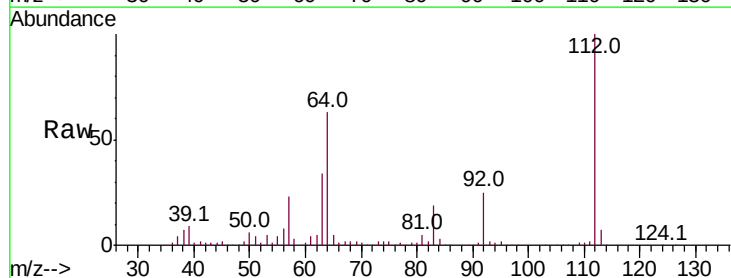
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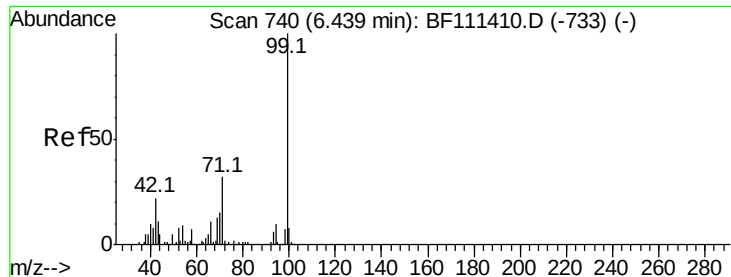


#5

2-Fluorophenol
Concen: 98.301 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.3	51.8	77.6
63	33.7	26.8	40.2





#7

Phenol-d6

Concen: 95.426 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Instrument :

BNA_F

ClientSampleId :

064_SW-E-2

Tot Ion: 99 Resp: 1300711

Ion Ratio Lower Upper

99 100

42 21.7 17.4 26.0

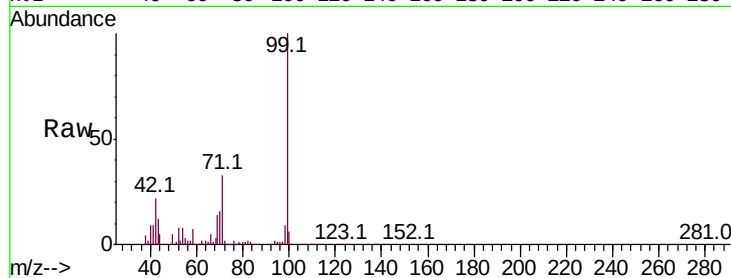
71 33.0 26.1 39.1

Manual Integrations

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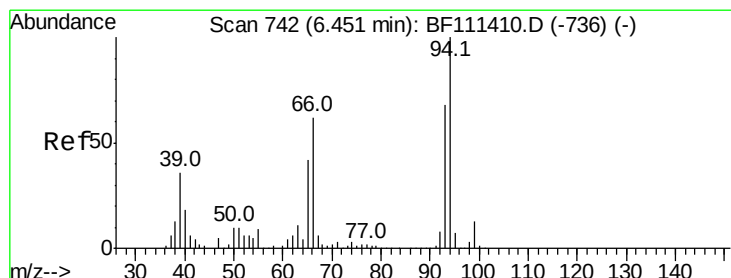
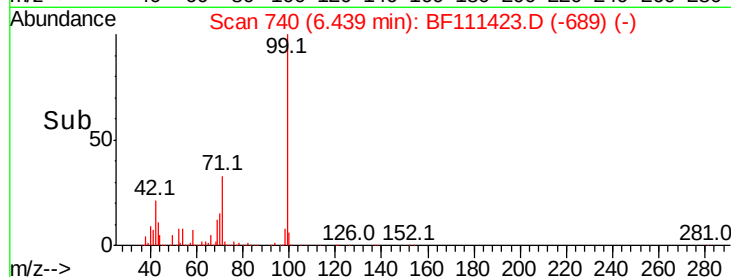
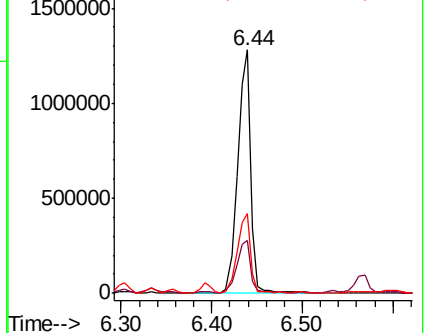
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.795 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

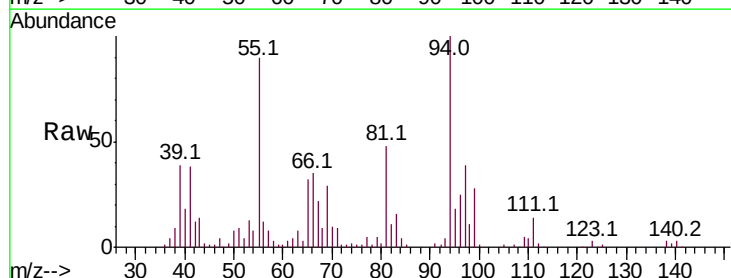
Tgt Ion: 94 Resp: 103168

Ion Ratio Lower Upper

94 100

65 31.5 11.7 51.7

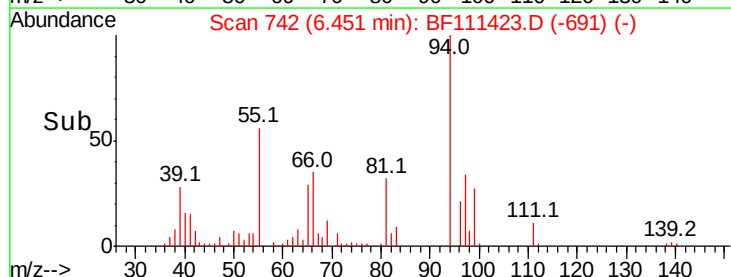
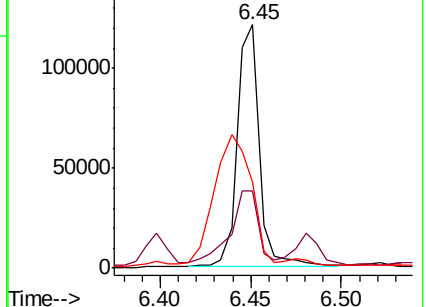
66 35.4 21.0 61.0

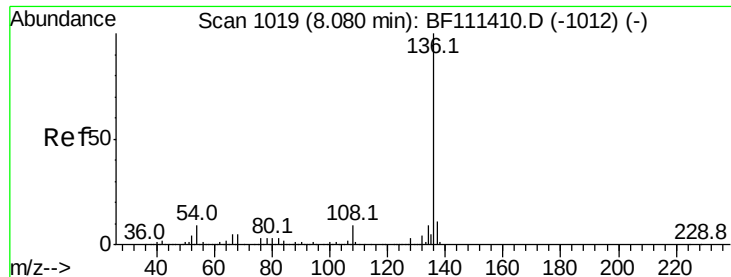


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





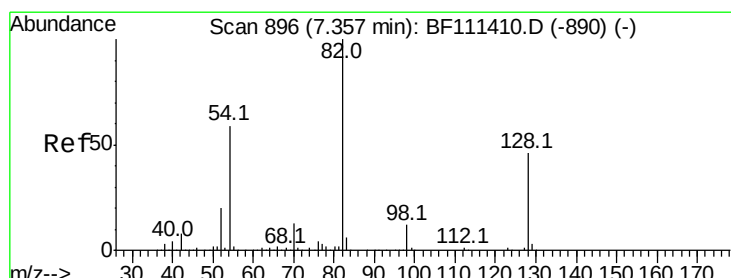
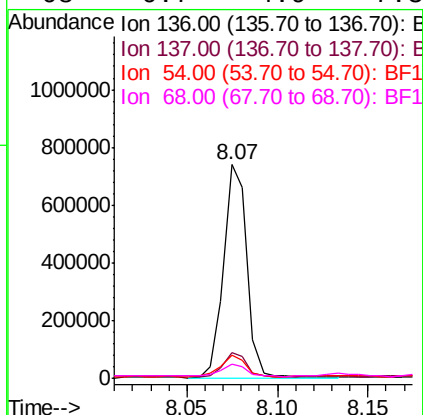
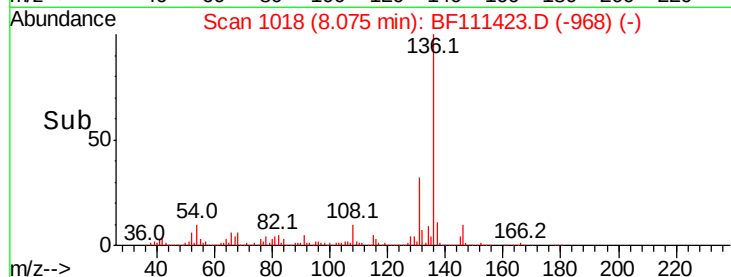
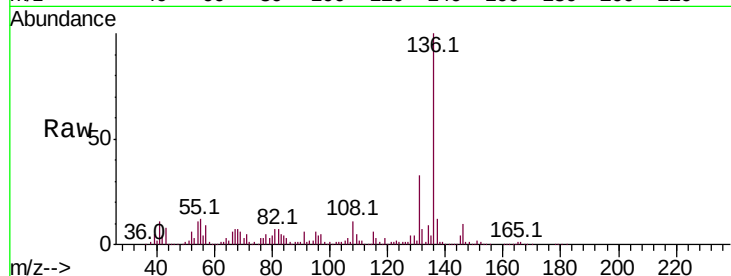
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.9	9.1	13.7	
54	11.0	7.7	11.5	
68	6.7	4.9	7.3	

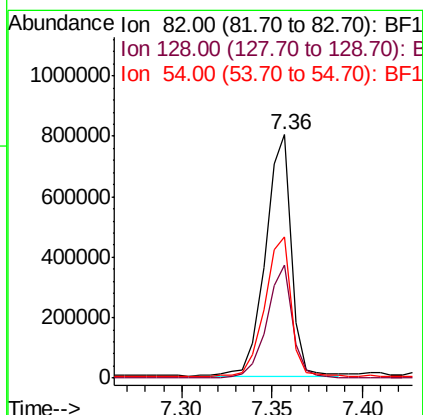
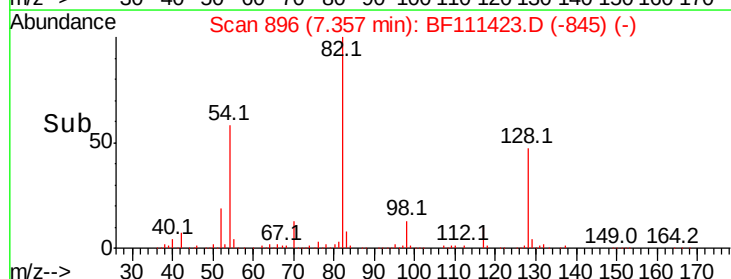
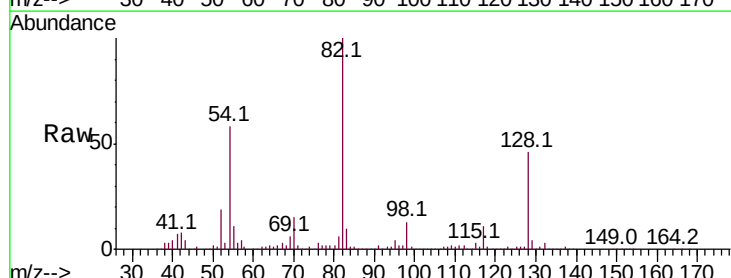
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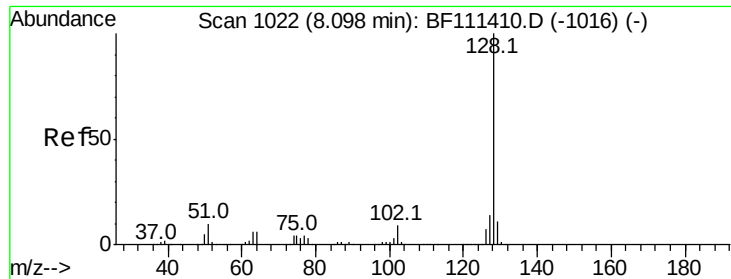
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#23
Nitrobenzene-d5
Concen: 71.338 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.00 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.5	37.4	56.2	
54	58.1	47.6	71.4	





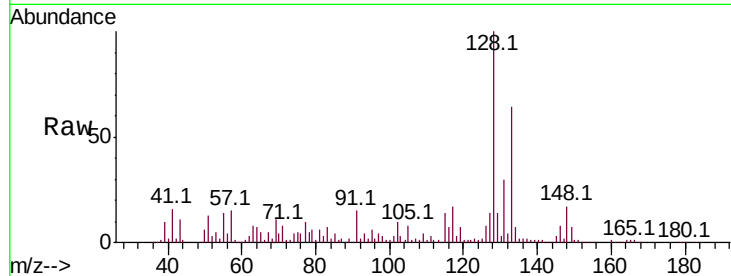
#31
Naphthalene
Concen: 10.652 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2

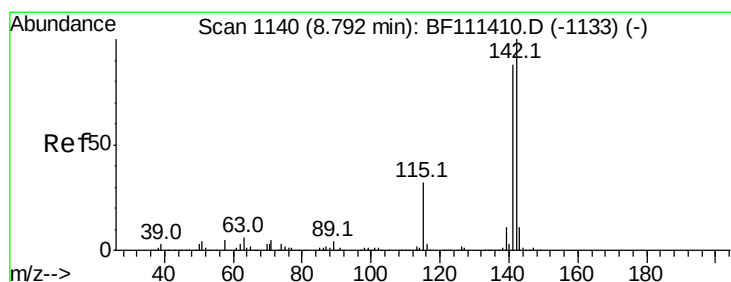
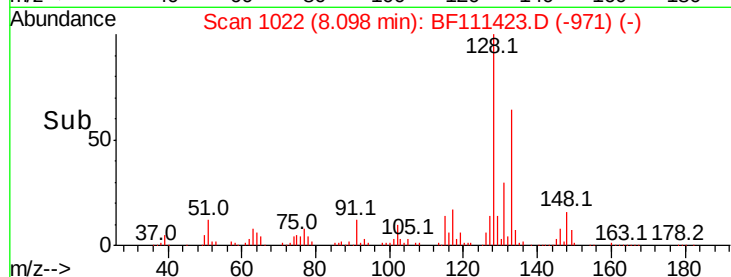
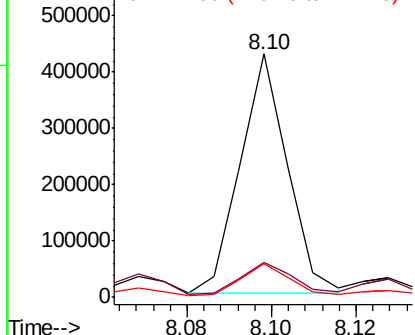
Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	14.5	9.8	14.8	
127	14.1	12.0	18.0	

Manual Integrations
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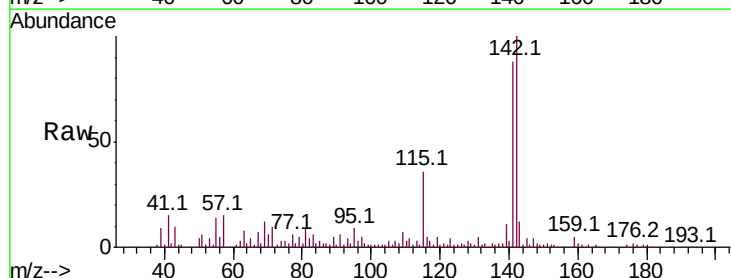


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

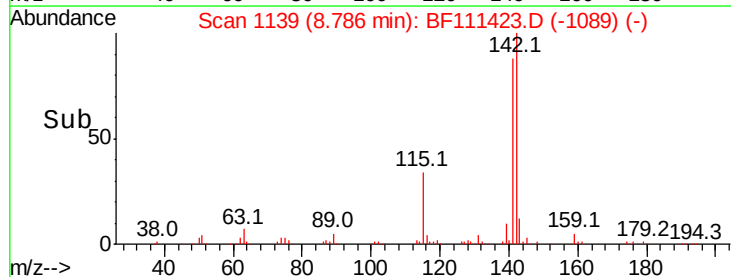
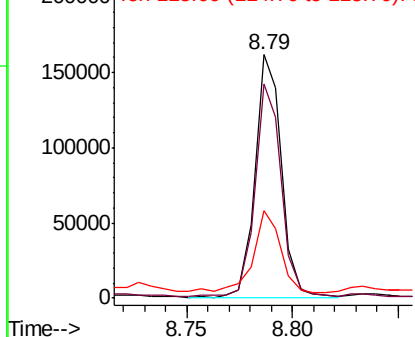


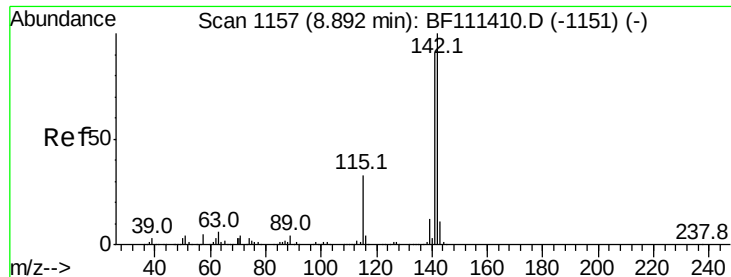
#37
2-Methylnaphthalene
Concen: 6.710 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	88.1	70.6	105.8	
115	35.7	27.0	40.6	



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





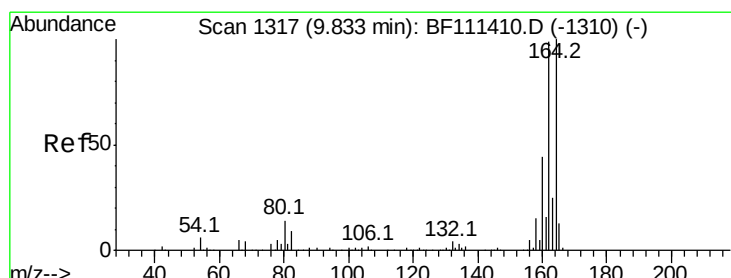
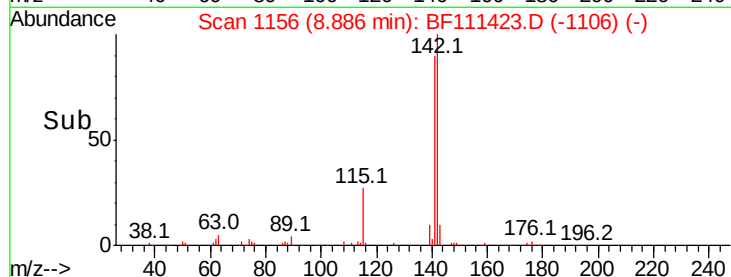
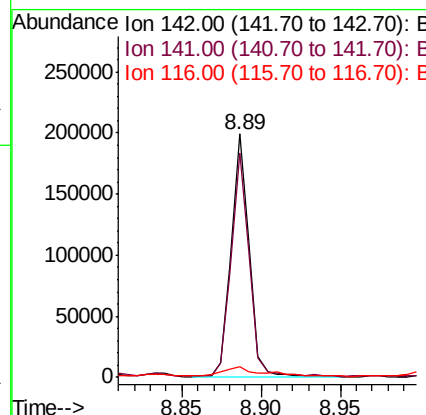
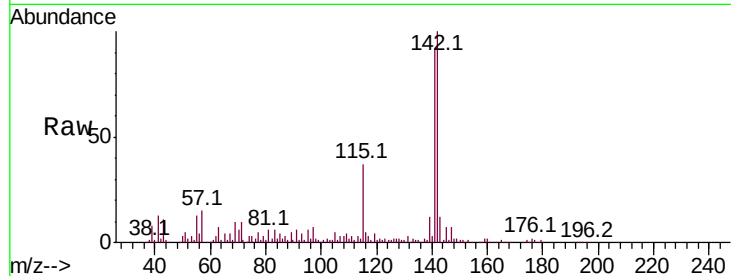
#38
1-Methylnaphthalene
Concen: 7.627 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2

Tot Ion	Ratio	Resp Lower	Upper
142	100		
141	92.2	74.2	111.4
116	4.5	2.9	4.3#

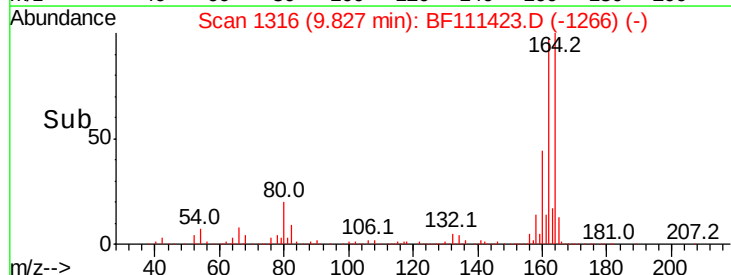
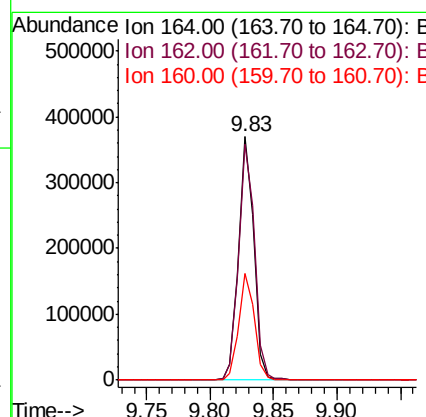
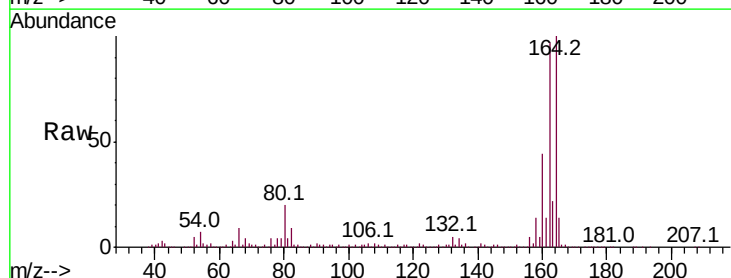
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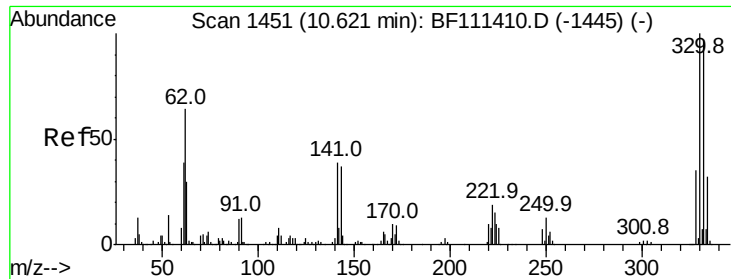
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	96.8	81.4	122.0
160	43.8	35.7	53.5





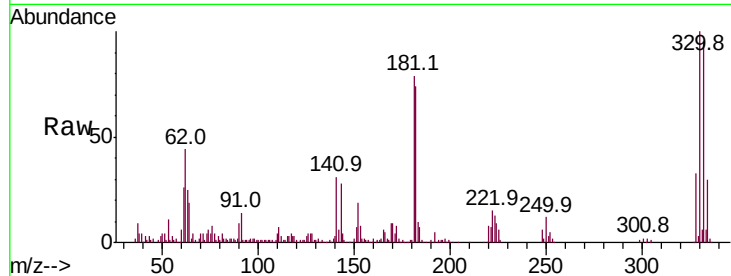
#42
 2,4,6-Tribromophenol
 Concen: 78.614 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF111423.D
 Acq: 14 Dec 2018 17:17

Instrument :
 BNA_F
 ClientSampleId :
 064_SW-E-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	215401		
332	95.9	76.0	114.0	
141	41.2	31.0	46.6	

Manual Integrations
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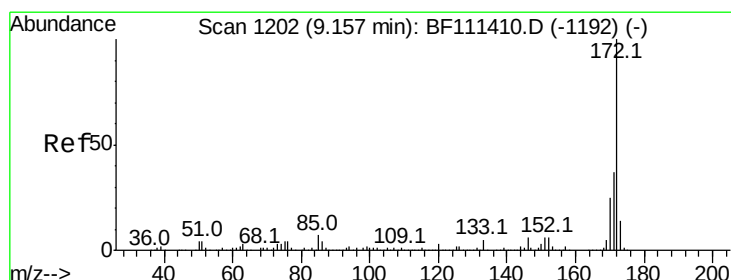
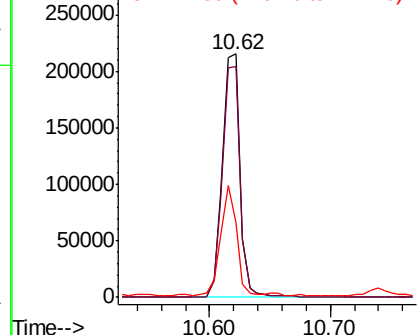
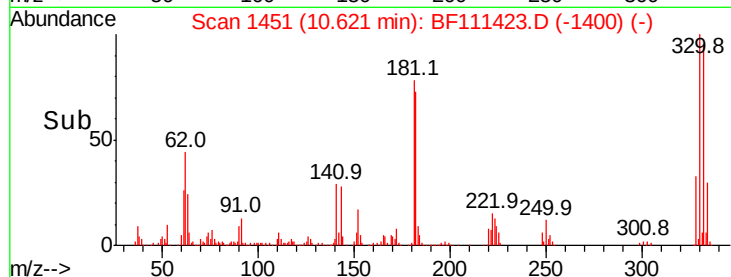


Abundance

Ion 329.80 (329.50 to 330.50): E

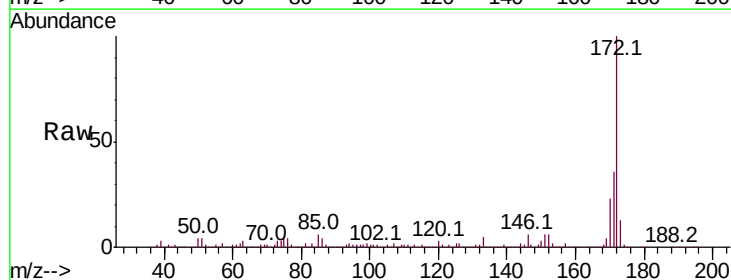
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 56.251 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111423.D
 Acq: 14 Dec 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1113890		
171	36.1	33.0	49.4	
170	23.3	22.3	33.5	

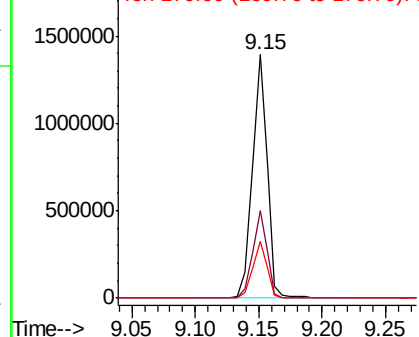
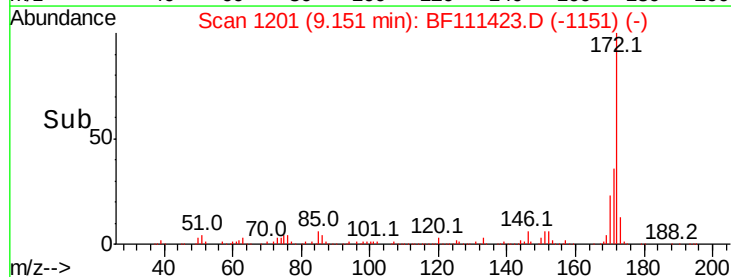


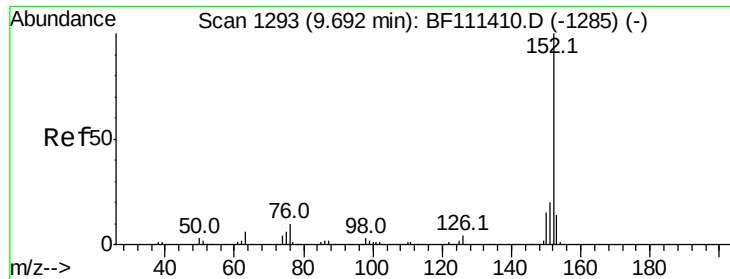
Abundance

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





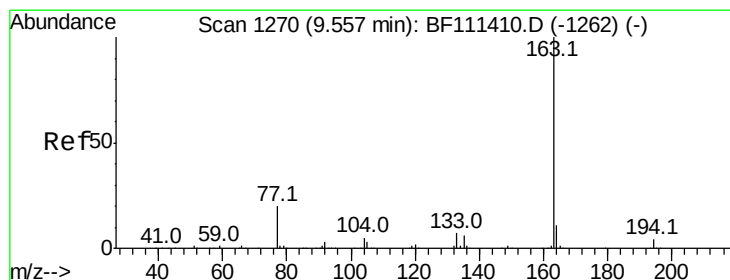
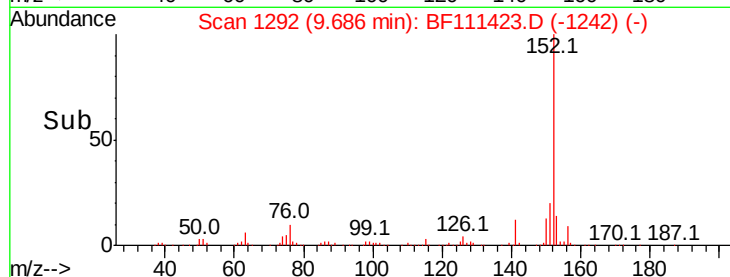
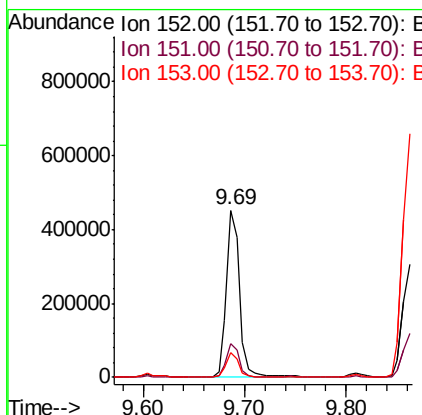
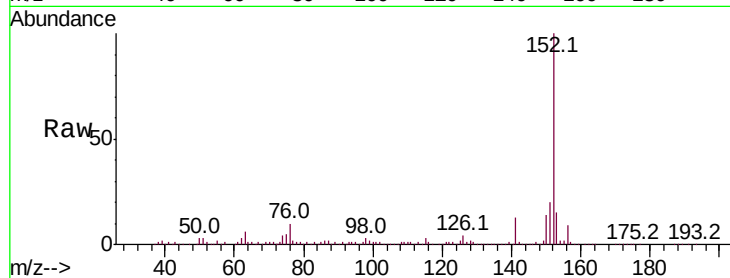
#49
Acenaphthylene
Concen: 14.092 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	18.0	27.0
153	14.6	12.3	18.5

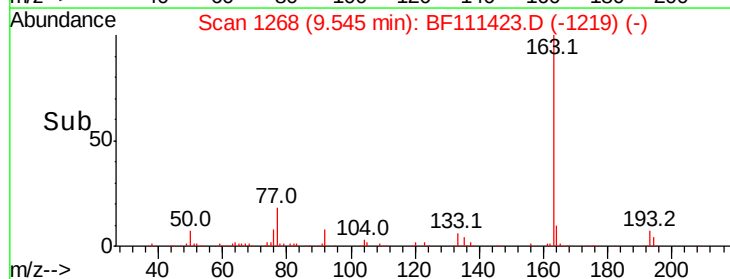
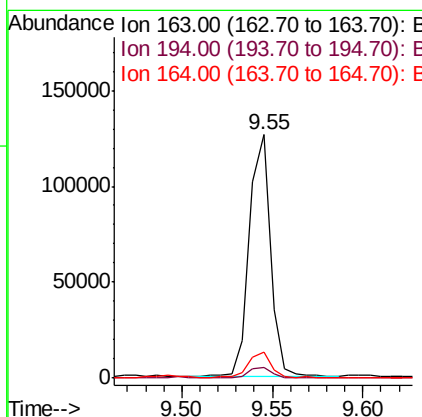
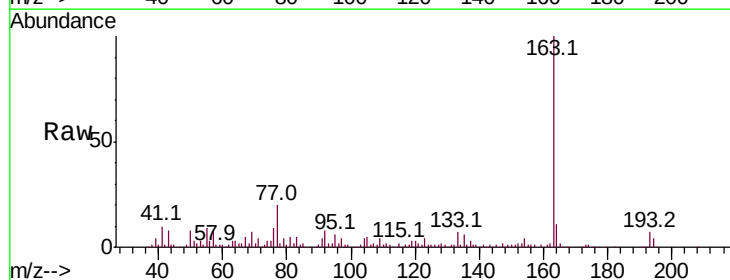
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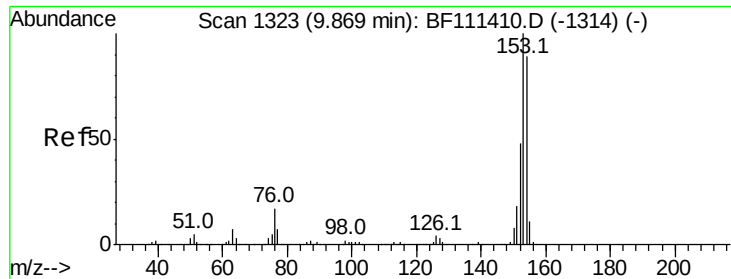
Sohil
12/17/2018 2:36:30 PM



#50
Dimethylphthalate
Concen: 4.689 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.0	4.6
164	10.6	8.9	13.3





#52

Acenaphthene

Concen: 24.950 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Instrument :

BNA_F

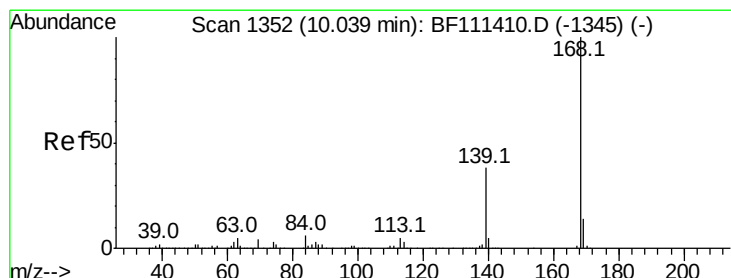
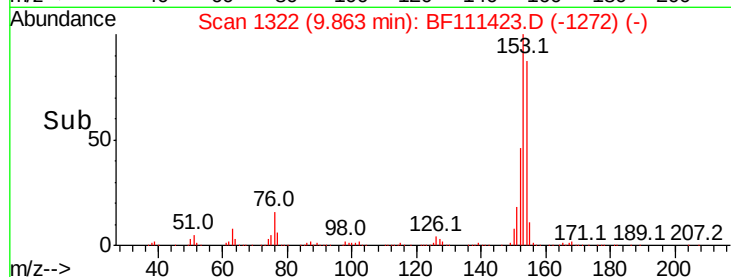
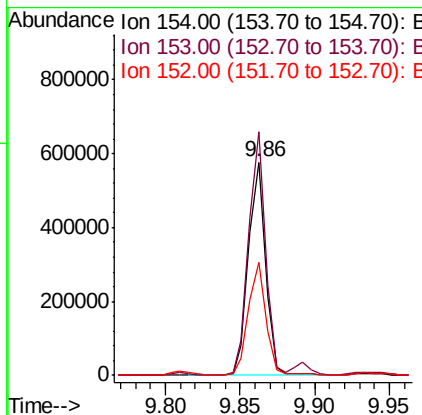
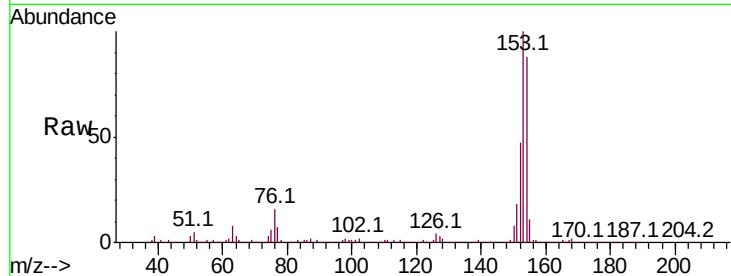
ClientSampleId :

064_SW-E-2

Tot Ion:	154	Resp:	461134
Ion Ratio	Lower	Upper	
154	100		
153	114.2	87.8	131.8
152	53.2	43.4	65.2

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#55

Dibenzofuran

Concen: 13.131 ng

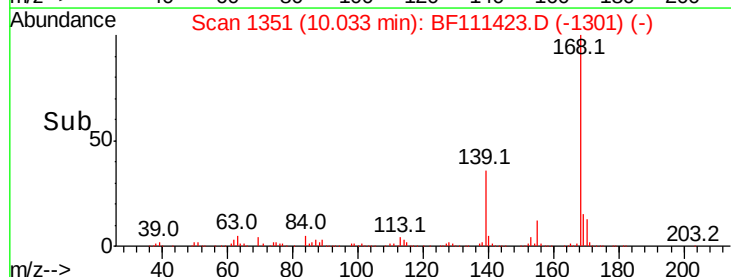
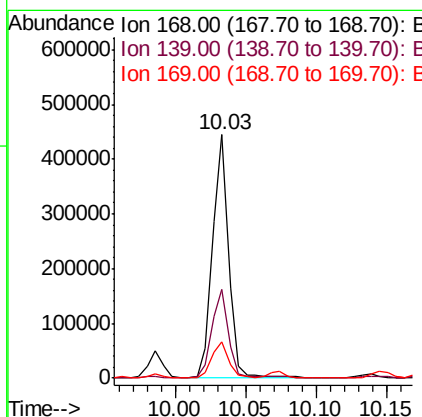
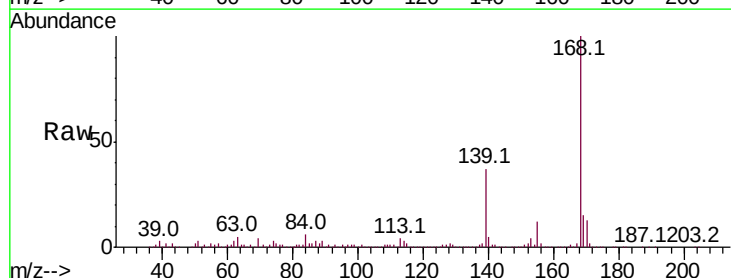
RT: 10.03 min Scan# 1351

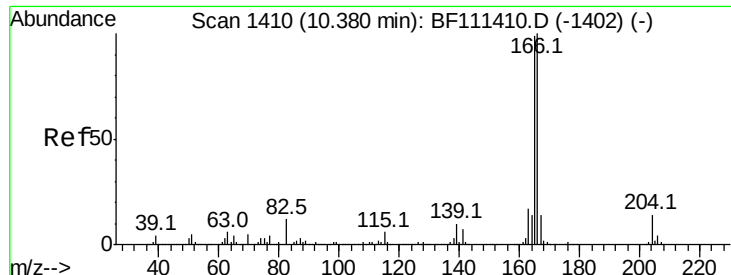
Delta R.T. -0.01 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Tgt Ion:	168	Resp:	352281
Ion Ratio	Lower	Upper	
168	100		
139	36.6	32.6	49.0
169	15.0	11.8	17.6





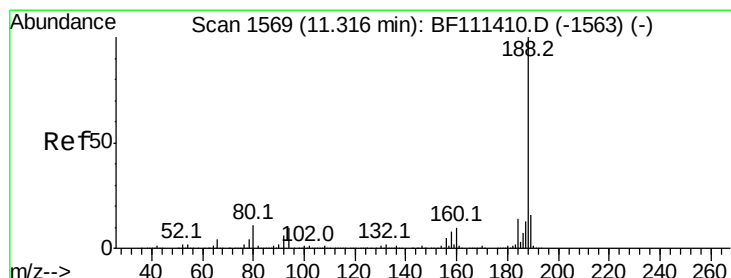
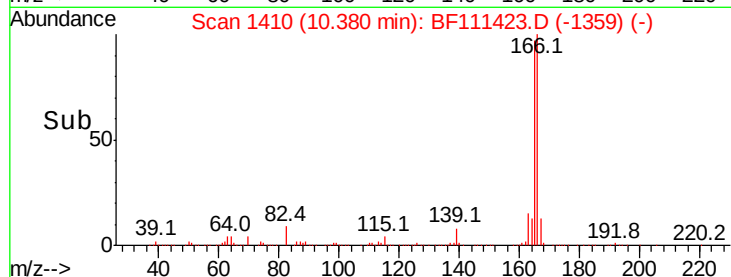
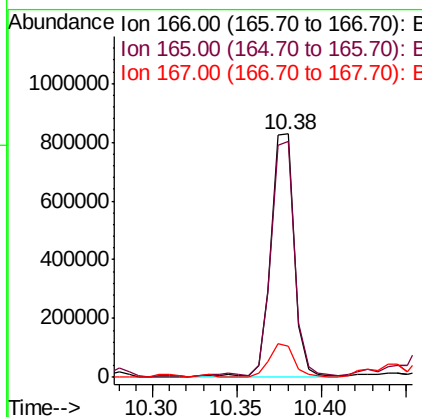
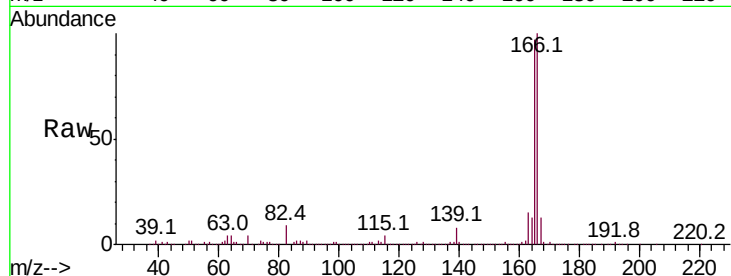
#58
 Fluorene
 Concen: 40.356 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: BF111423.D
 Acq: 14 Dec 2018 17:17

Instrument :
 BNA_F
 ClientSampleId :
 064_SW-E-2

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.4	117.6
167	13.0	11.2	16.8

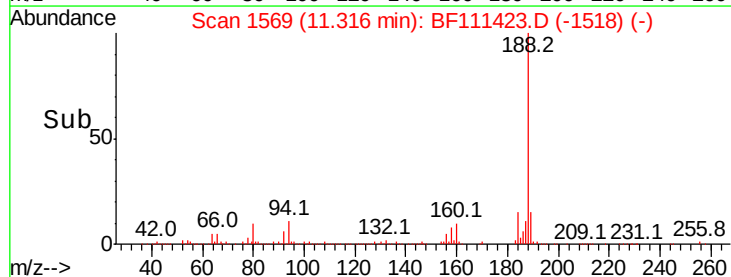
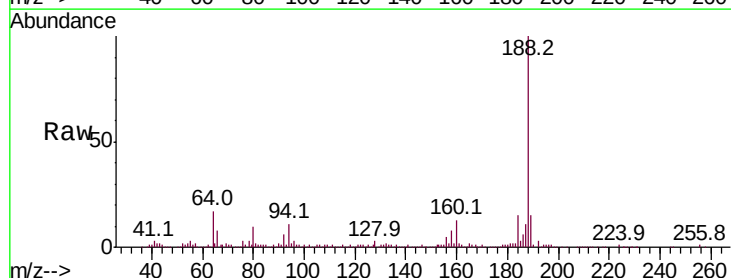
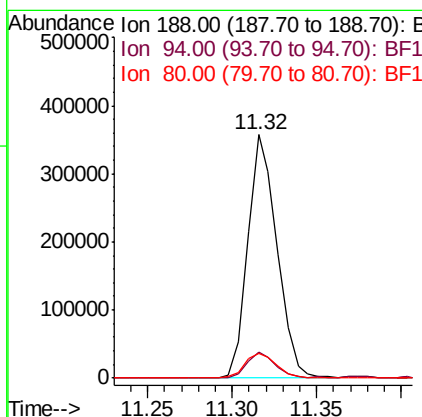
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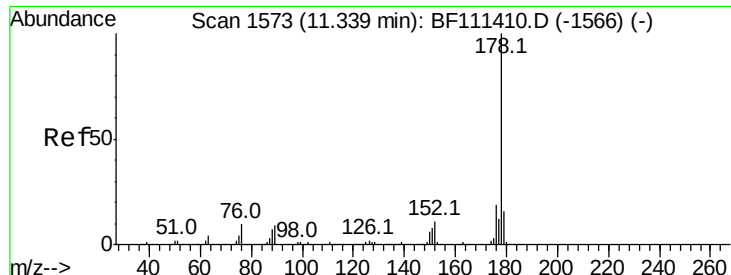
Sohil
 12/17/2018 2:36:30 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BF111423.D
 Acq: 14 Dec 2018 17:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.6	14.4
80	10.0	9.8	14.6





#71

Phenanthrene

Concen: 231.075 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.02 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Instrument :

BNA_F

ClientSampled :

064_SW-E-2

Tot Ion:178 Resp: 5119129

Ion Ratio Lower Upper

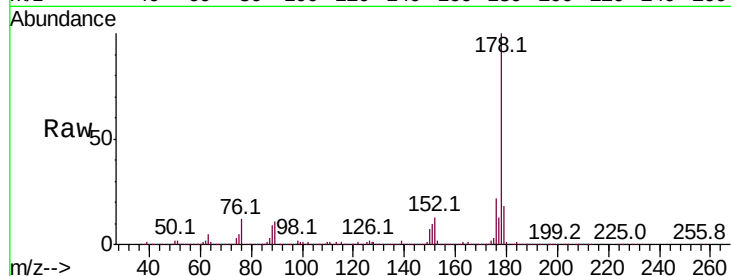
178 100

176 22.3 18.1 27.1

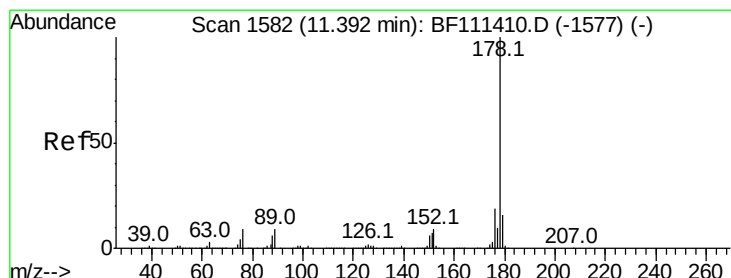
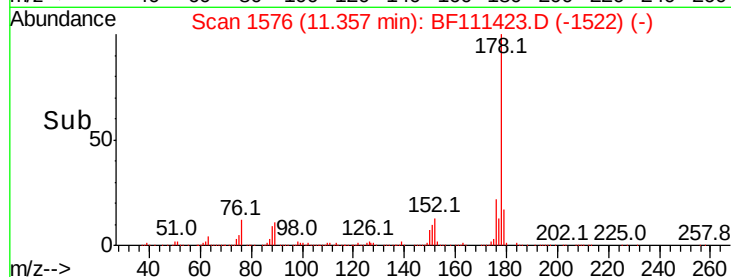
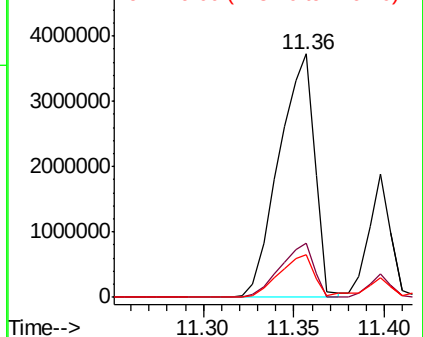
179 17.5 14.0 21.0

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Abundance Ion 178.00 (177.70 to 178.70): E
5000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 65.555 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Tgt Ion:178 Resp: 1485230

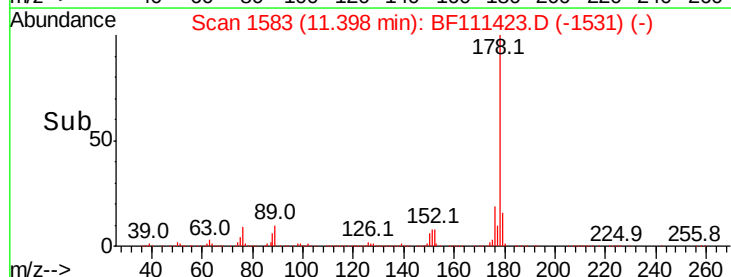
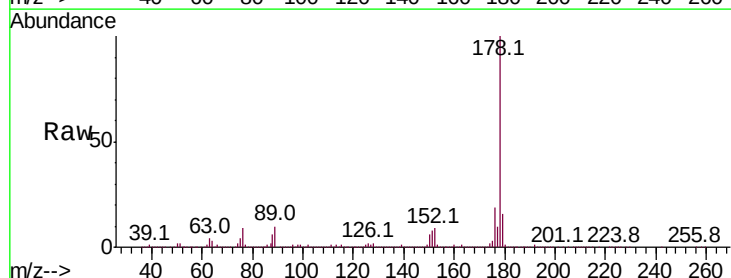
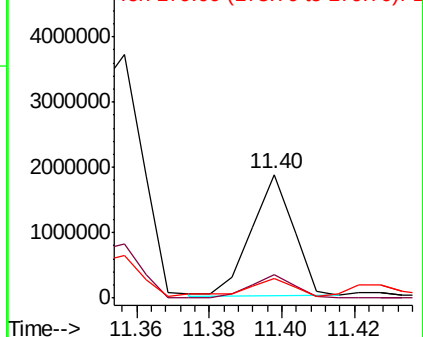
Ion Ratio Lower Upper

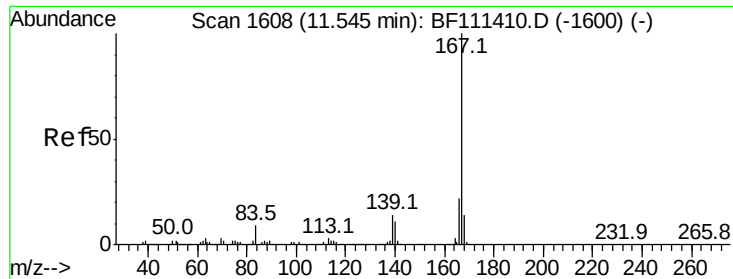
178 100

176 19.2 17.2 25.8

179 15.9 13.8 20.8

Abundance Ion 178.00 (177.70 to 178.70): E
5000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 25.967 ng

RT: 11.54 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Instrument :

BNA_F

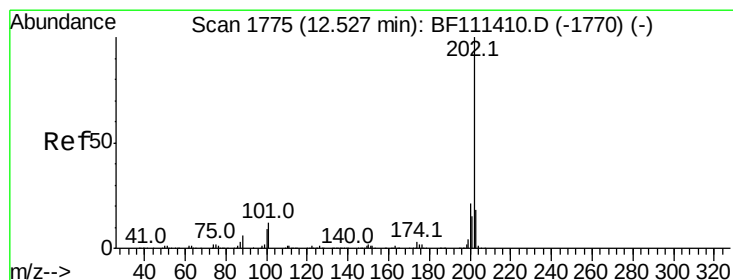
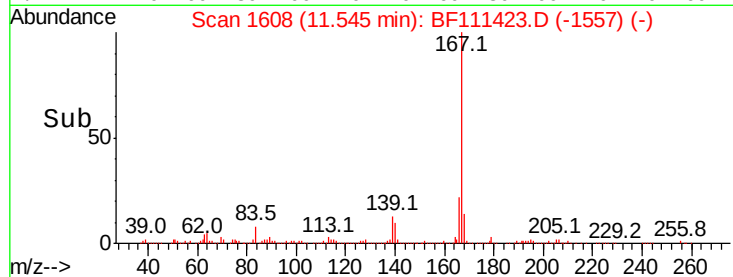
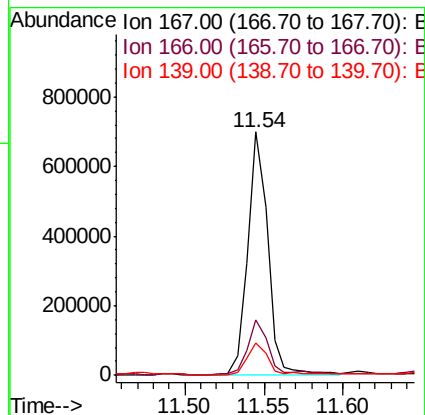
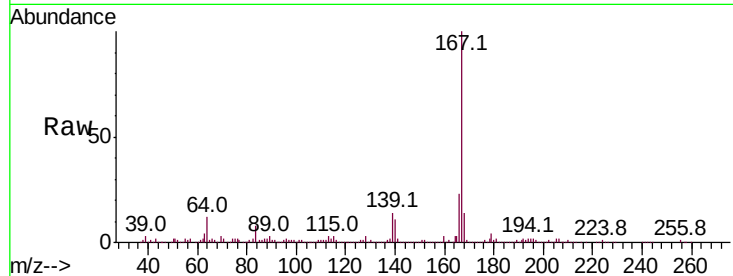
ClientSampleId :

064_SW-E-2

Tot Ion:	167	Resp:	608362
Ion Ratio	Lower	Upper	
167	100		
166	22.6	19.3	28.9
139	13.5	11.9	17.9

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#75

Fluoranthene

Concen: 374.591 ng

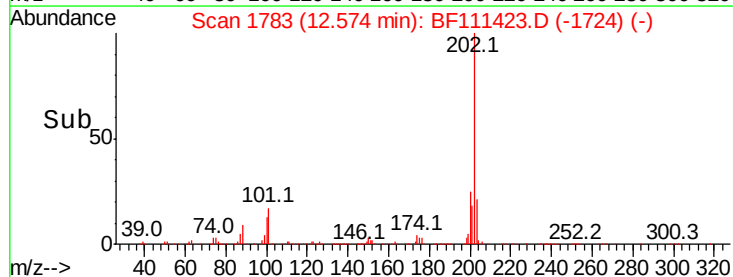
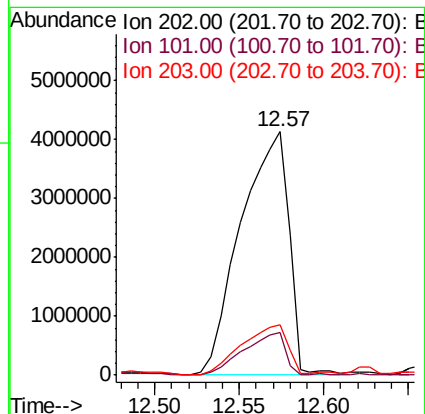
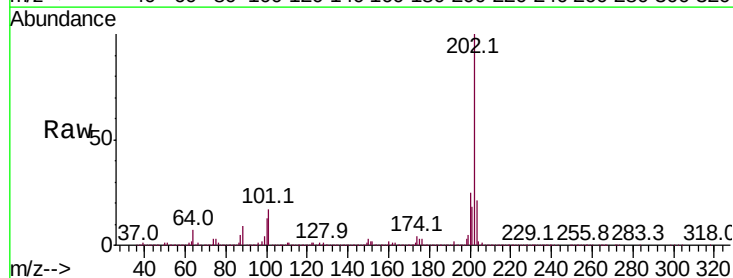
RT: 12.57 min Scan# 1783

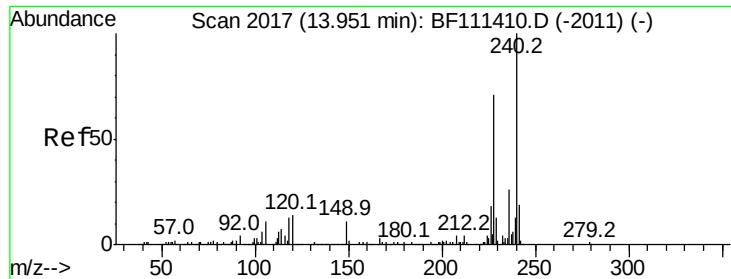
Delta R.T. 0.05 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Tgt Ion:	202	Resp:	8118405
Ion Ratio	Lower	Upper	
202	100		
101	17.3	0.0	33.8
203	20.6	0.0	38.6





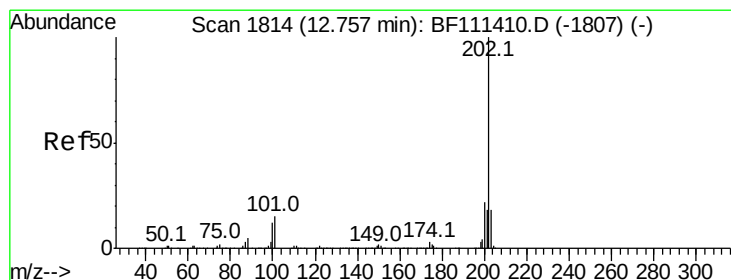
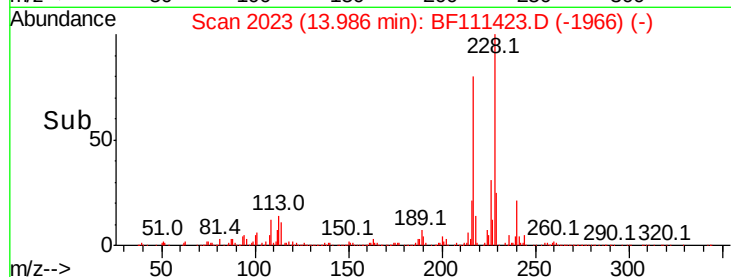
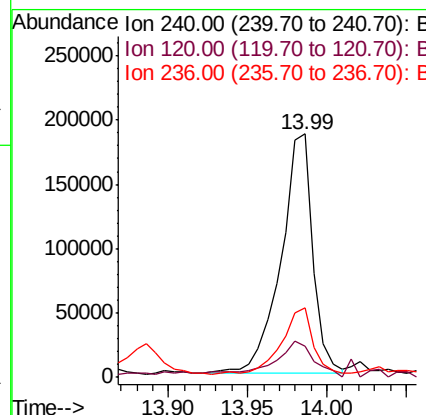
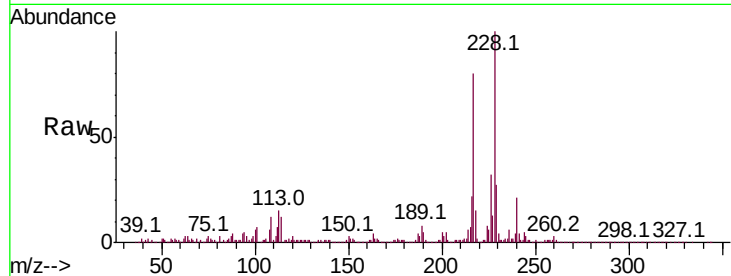
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.04 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.0	12.2	18.2
236	28.7	20.2	30.2

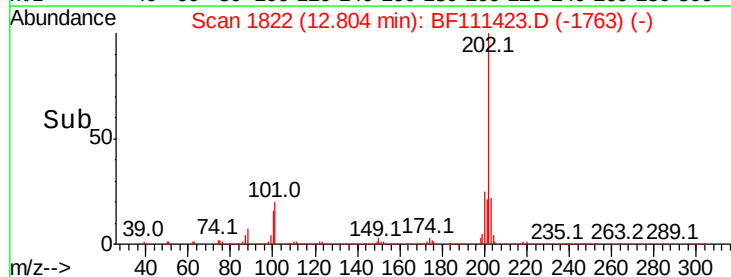
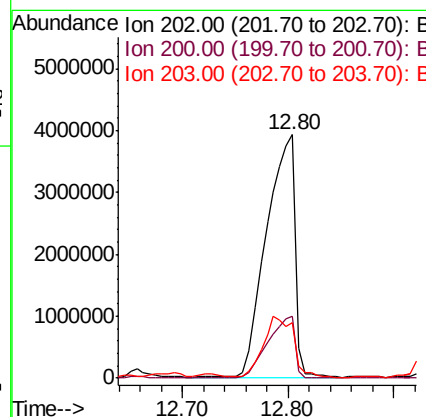
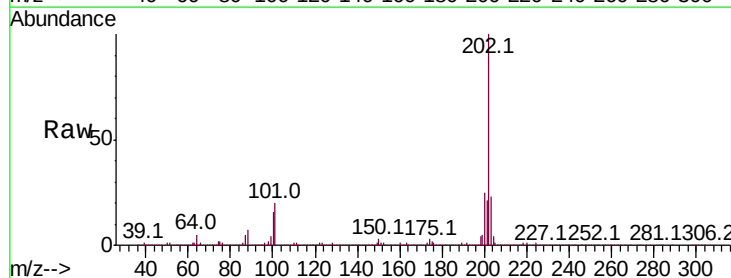
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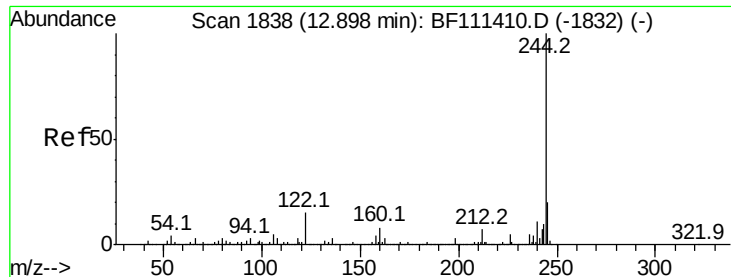
Sohil
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#78
Pyrene
Concen: 403.645 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.05 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	25.2	19.0	28.4
203	22.6	15.2	22.8





#79

Terphenyl-d14

Concen: 60.918 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Instrument :

BNA_F

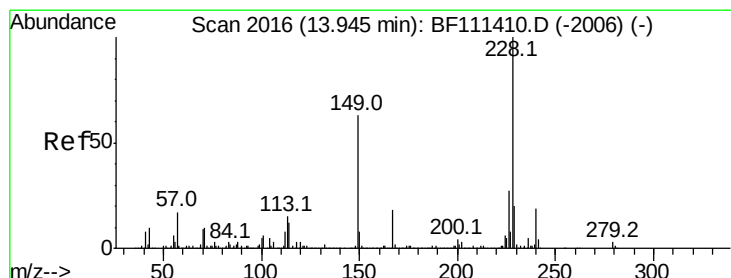
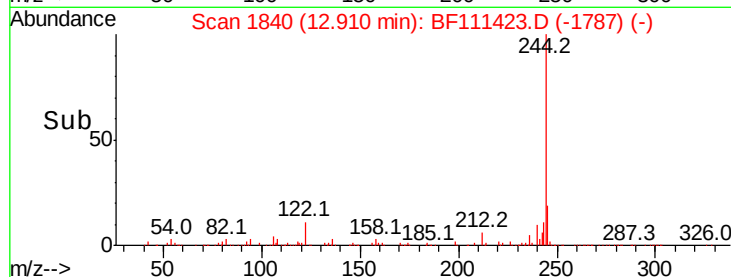
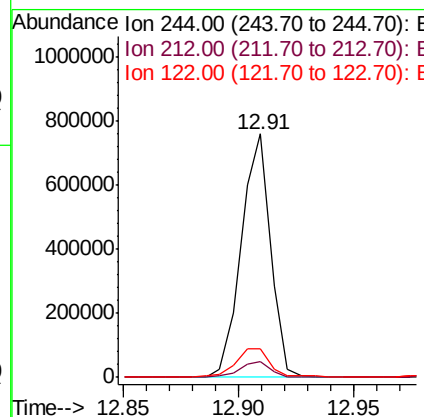
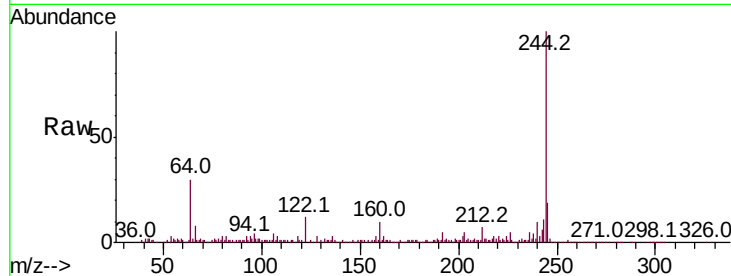
ClientSampleId :

064_SW-E-2

Tot Ion:	244	Resp:	670960
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.7	8.5
122	11.6	13.1	19.7#

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#81

Benzo(a)anthracene

Concen: 346.197 ng

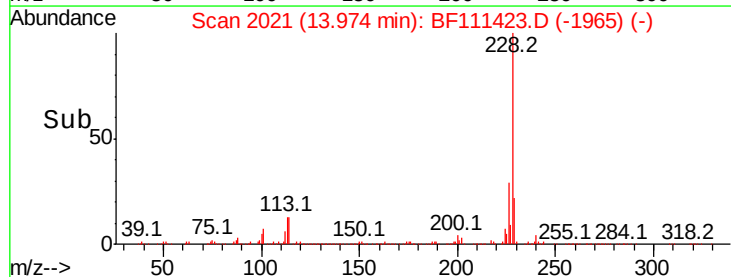
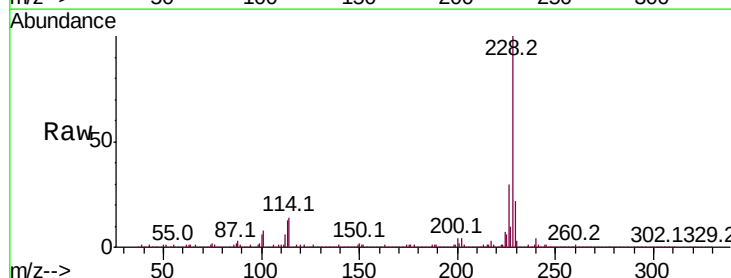
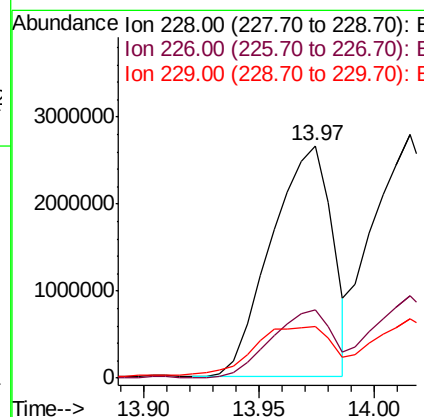
RT: 13.97 min Scan# 2021

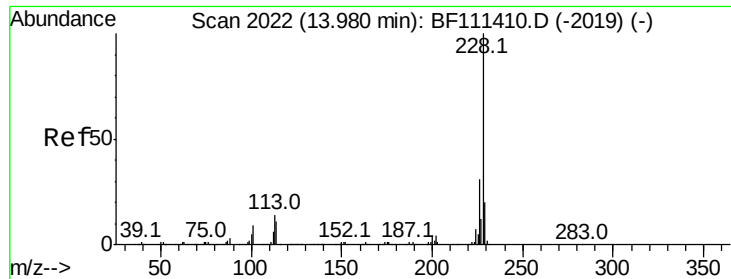
Delta R.T. 0.03 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Tgt Ion:	228	Resp:	4868629
Ion Ratio	Lower	Upper	
228	100		
226	29.5	22.6	34.0
229	22.3	16.3	24.5





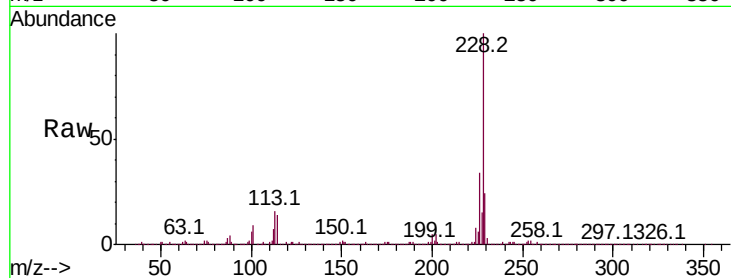
#83
Chrysene
Concen: 273.793 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.04 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2

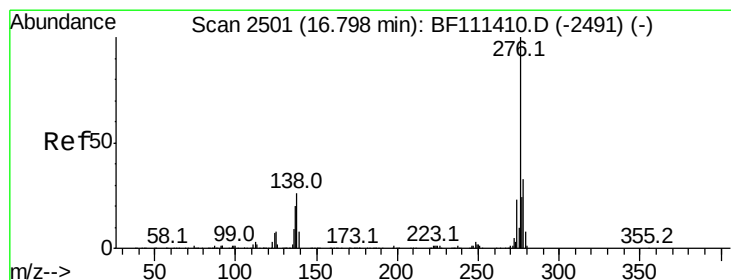
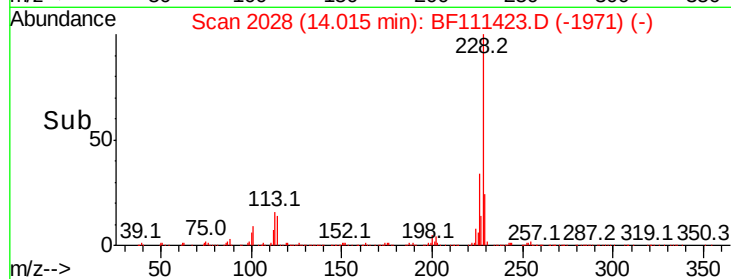
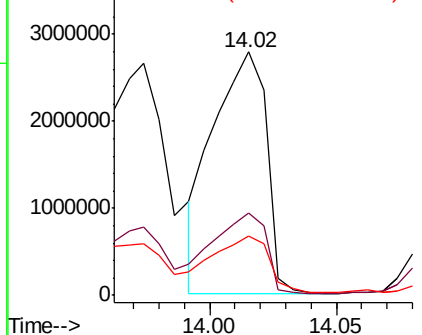
Tot Ion:228 Resp: 4056179
Ion Ratio Lower Upper
228 100
226 33.8 25.3 37.9
229 24.2 17.2 25.8

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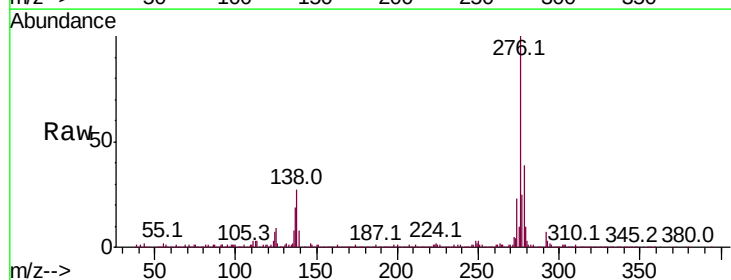


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

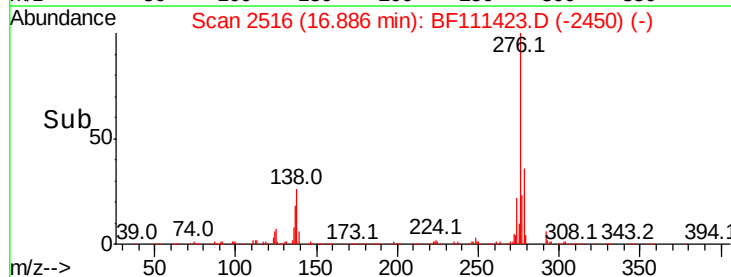
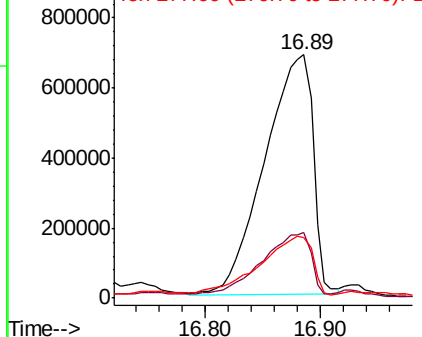


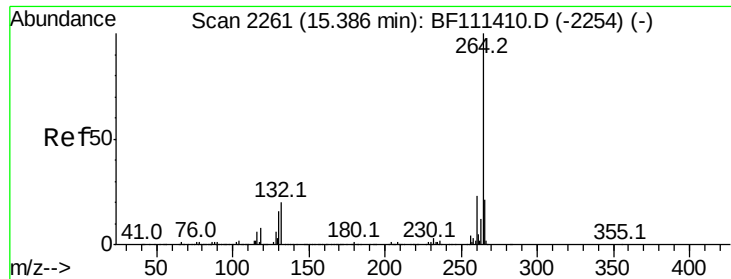
#86
Indeno(1,2,3-cd)pyrene
Concen: 186.073 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.09 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion:276 Resp: 1989537
Ion Ratio Lower Upper
276 100
138 25.5 27.8 41.6#
277 26.9 20.1 30.1



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





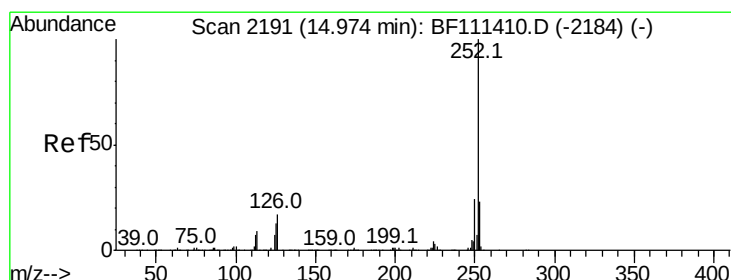
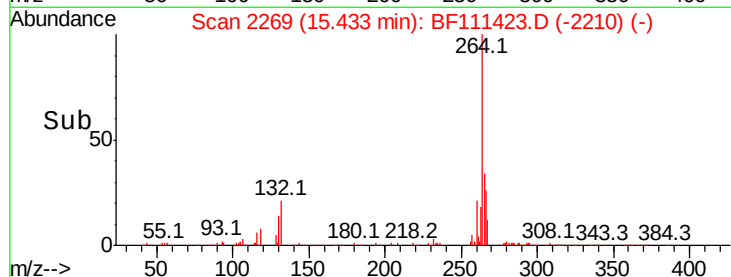
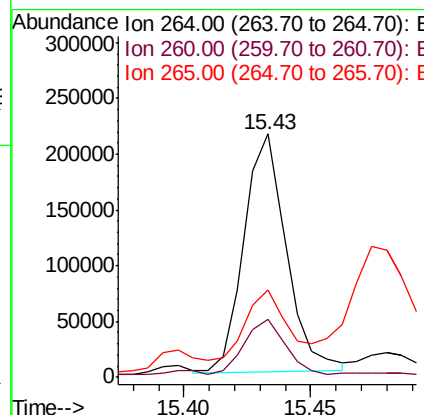
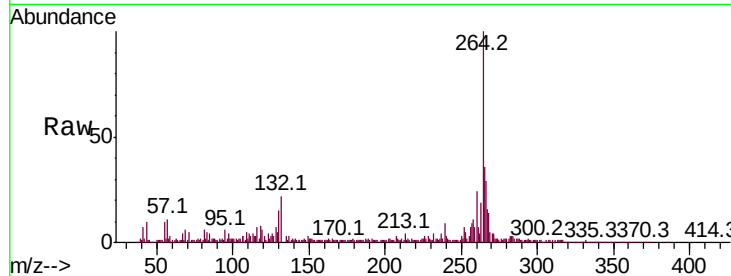
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.05 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.3	27.5
265	35.8	17.7	26.5#

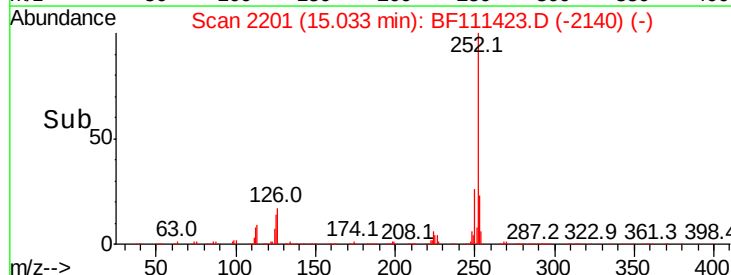
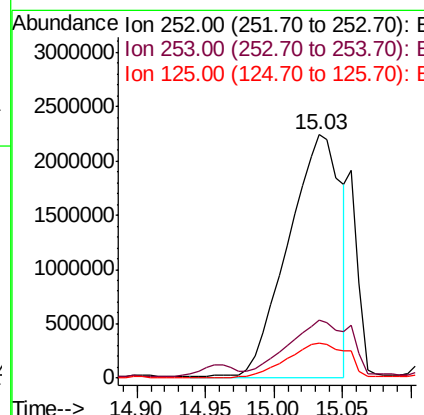
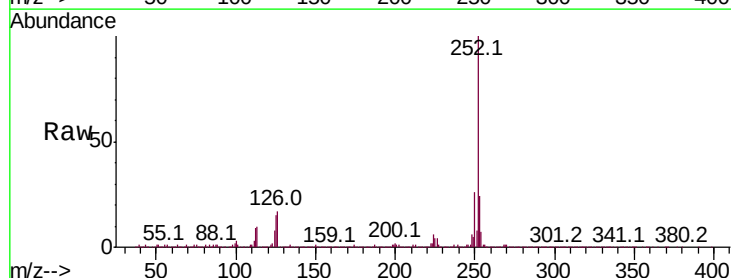
Manual Integrations
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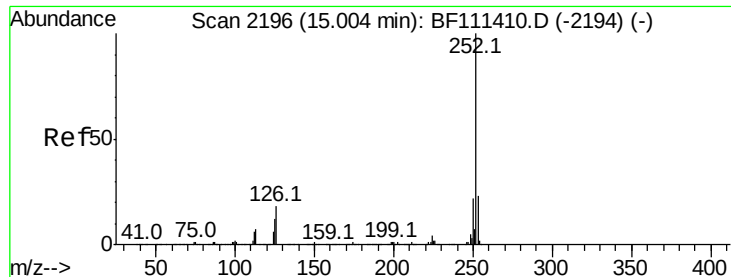
Sohil
12/17/2018 2:36:30 PM



#88
Benzo(b)fluoranthene
Concen: 416.603 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.06 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	14.5	10.4	15.6





#89

Benzo(k)fluoranthene

Concen: 75.792 ng/mL

RT: 15.06 min Scan# 2205

Delta R.T. 0.05 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

Instrument :

BNA_F

ClientSampleId :

064_SW-E-2

Tot Ion:252 Resp: 1047943

Ion Ratio Lower Upper

252 100

253 25.4 18.1 27.1

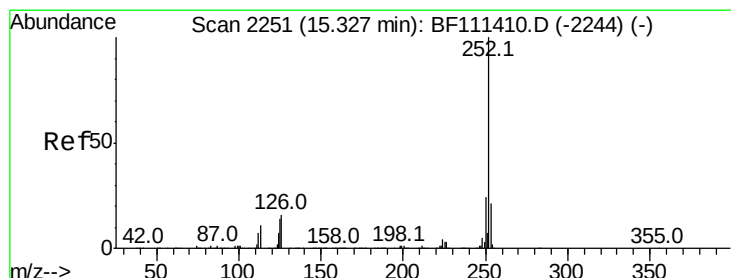
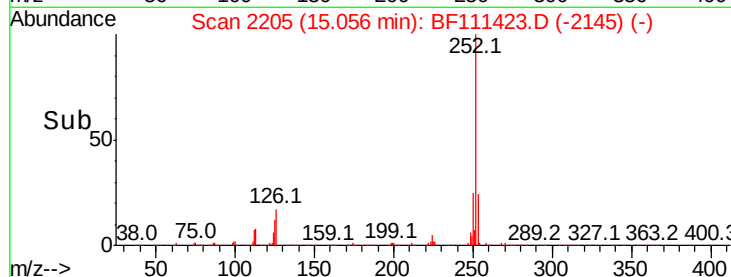
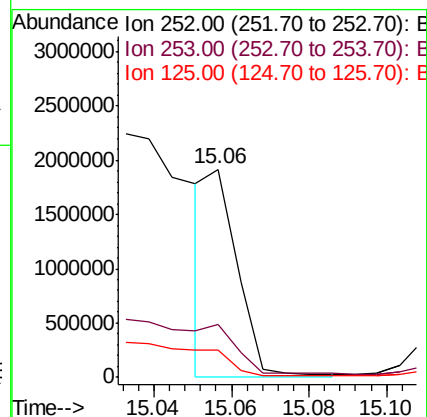
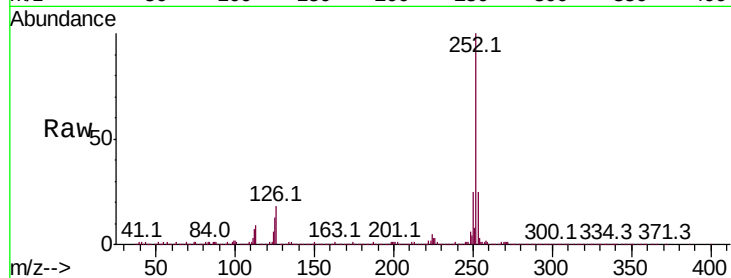
125 12.8 9.8 14.8

Manual Integrations

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#90

Benzo(a)pyrene

Concen: 277.800 ng/mL

RT: 15.39 min Scan# 2262

Delta R.T. 0.06 min

Lab File: BF111423.D

Acq: 14 Dec 2018 17:17

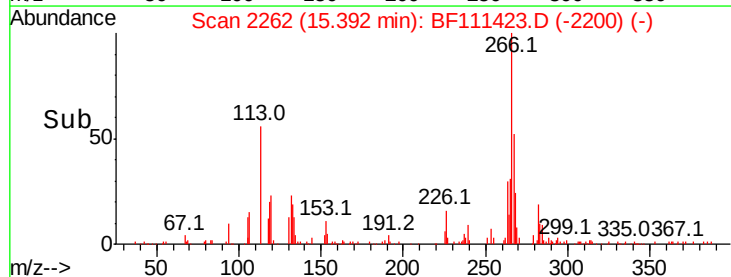
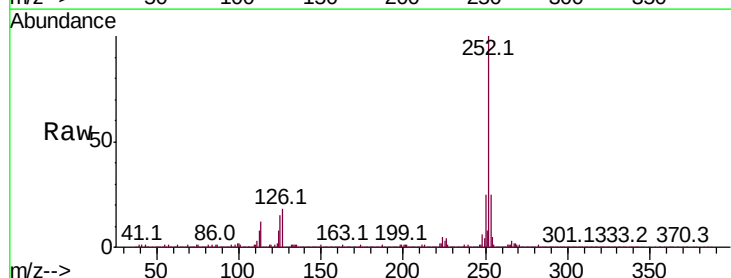
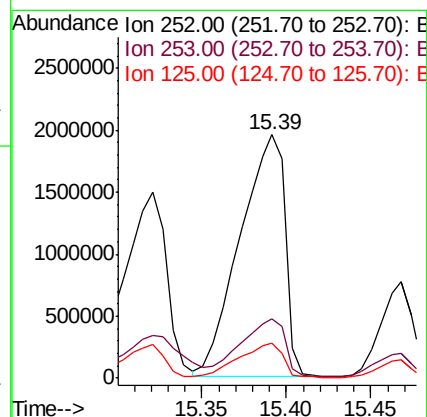
Tgt Ion:252 Resp: 3624941

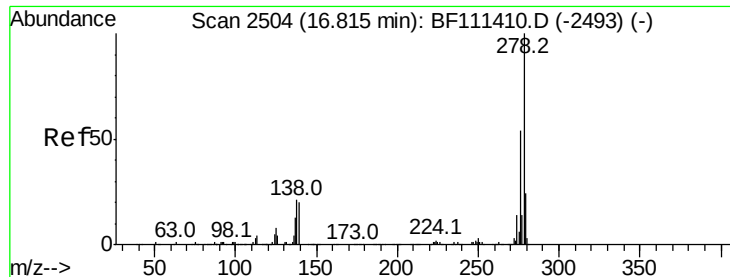
Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

125 14.5 12.3 18.5





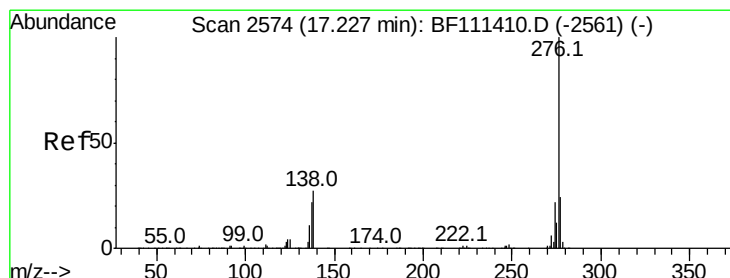
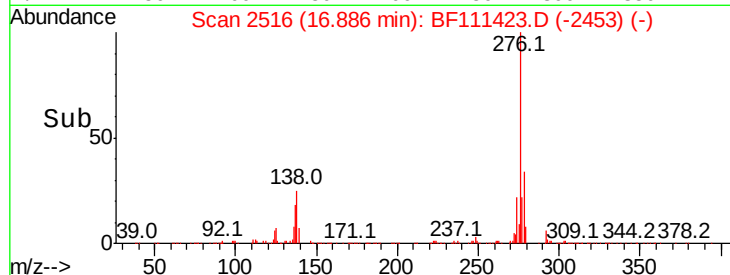
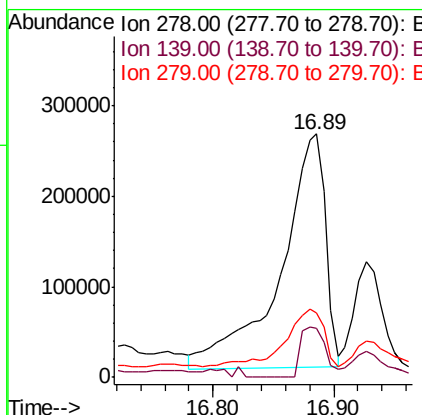
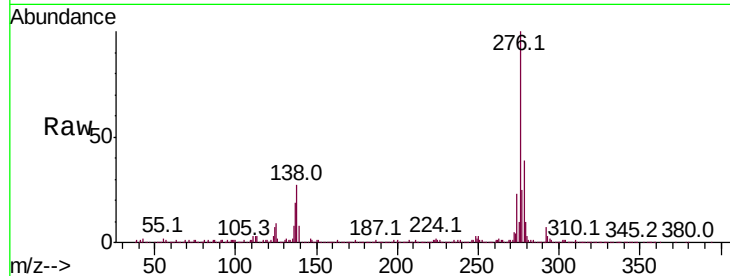
#91
Dibenzo(a,h)anthracene
Concen: 64.920 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.07 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.2	18.2	27.4
279	26.6	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 183.432 ng
RT: 17.32 min Scan# 2590
Delta R.T. 0.09 min
Lab File: BF111423.D
Acq: 14 Dec 2018 17:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.2	28.8
138	25.2	24.9	37.3

