

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116363.D
 Acq On : 17 Aug 2019 17:52
 Operator : HP/JU
 Sample : K4228-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2S-F1-F4-COMP-(0-1)

Manual Integrations
 APPROVED

Jagrut
 8/19/2019 3:31:01 PM

Quant Time: Aug 19 17:35:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	145150	20.00	ng	-0.04
21) Naphthalene-d8	8.09	136	565309	20.00	ng	-0.04
39) Acenaphthene-d10	9.84	164	296475	20.00	ng	-0.05
64) Phenanthrene-d10	11.33	188	499012	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	306630	20.00	ng	-0.04
87) Perylene-d12	15.43	264	315148	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	830650	95.80	ng	-0.03
7) Phenol-d6	6.45	99	1086640	99.33	ng	-0.04
23) Nitrobenzene-d5	7.37	82	686648	70.11	ng	-0.04
42) 2,4,6-Tribromophenol	10.63	330	259337	90.22	ng	-0.04
45) 2-Fluorobiphenyl	9.16	172	1105814	69.86	ng	-0.04
79) Terphenyl-d14	12.91	244	1102823	75.79	ng	-0.04
Target Compounds						Qvalue
10) Phenol	6.46	94	52313	4.061	ng	93
31) Naphthalene	8.11	128	190460	7.160	ng	97
37) 2-Methylnaphthalene	8.81	142	45226	2.581	ng	97
50) Dimethylphthalate	9.56	163	129261	6.403	ng	98
52) Acenaphthene	9.87	154	249884	16.026	ng	99
55) Dibenzofuran	10.05	168	227188	10.019	ng	99
58) Fluorene	10.39	166	274694	15.746	ng	99
71) Phenanthrene	11.36	178	1842435	72.222	ng	98
72) Anthracene	11.40	178	747837	28.966	ng	100
73) Carbazole	11.56	167	309909	13.231	ng	99
75) Fluoranthene	12.55	202	1855384	69.472	ng	98
78) Pyrene	12.77	202	1628747	70.465	ng	98
81) Benzo(a)anthracene	13.96	228	772974	39.440	ng	99
83) Chrysene	14.00	228	609858	32.052	ng	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	284385	17.795	ng	96
88) Benzo(b)fluoranthene	15.00	252	670559m	36.799	ng	
89) Benzo(k)fluoranthene	15.03	252	267919m	15.095	ng	
90) Benzo(a)pyrene	15.37	252	521149	31.993	ng	98
91) Dibenzo(a,h)anthracene	16.89	278	70731m	5.016	ng	
92) Benzo(a,h,i)perylene	17.32	276	256188	18.500	ng	97

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

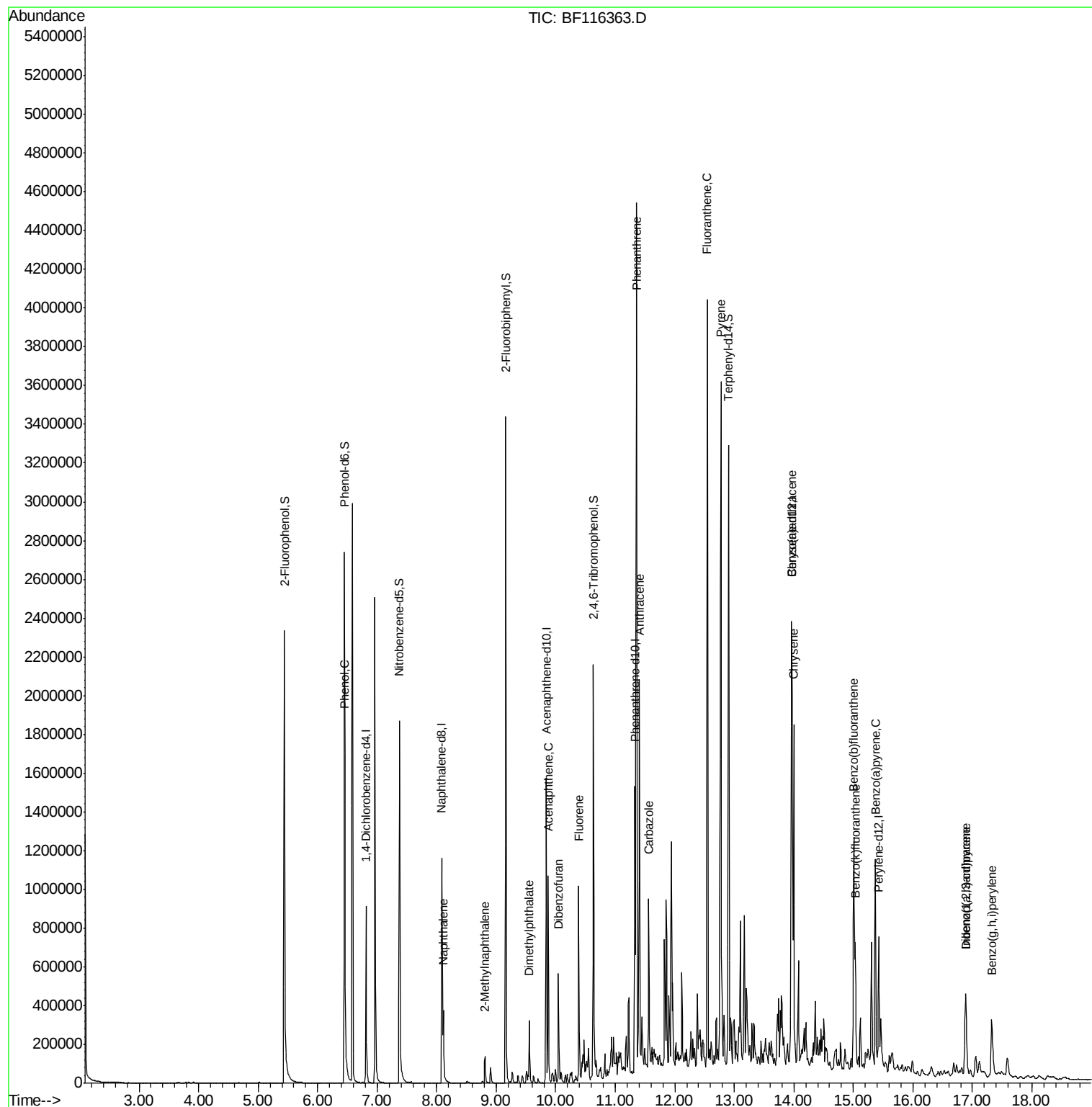
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
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ALS Vial : 17 Sample Multiplier: 1

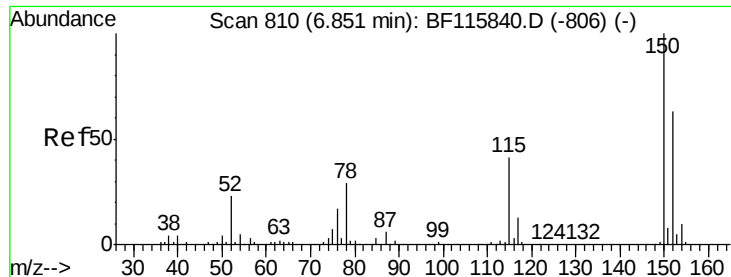
Instrument :
BNA_F
ClientSampleId :
2S-F1-F4-COMP-(0-1)

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

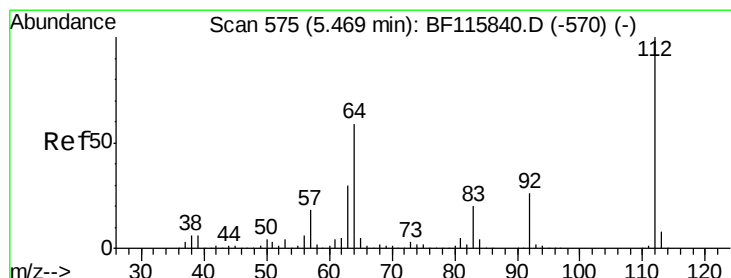
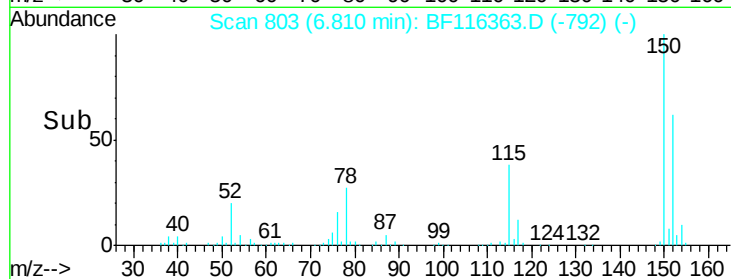
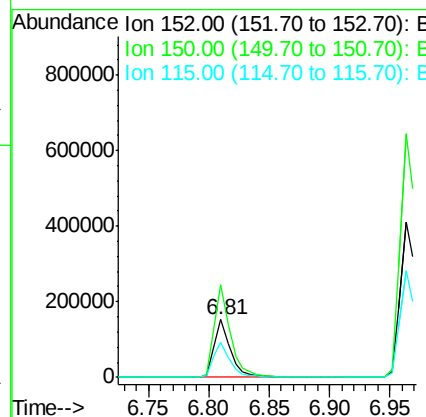
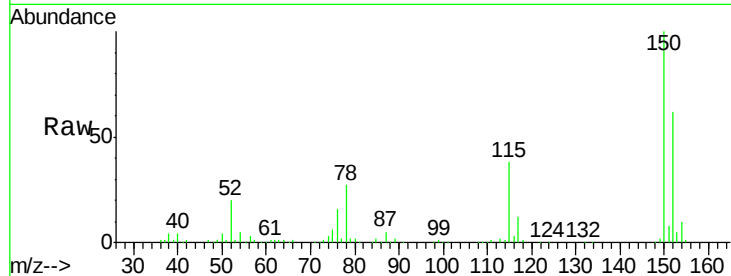
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.04 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Instrument :
BNA_F
ClientSampleId :
2S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.2	189.2
115	61.4	49.9	74.9

Manual Integrations
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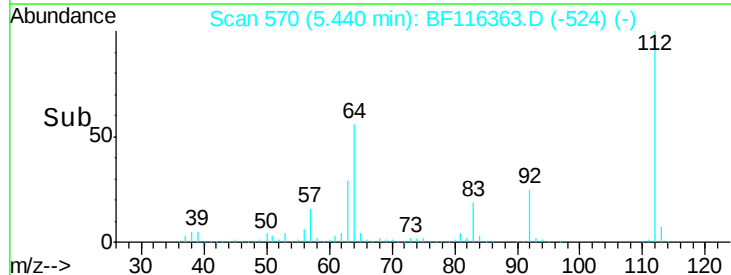
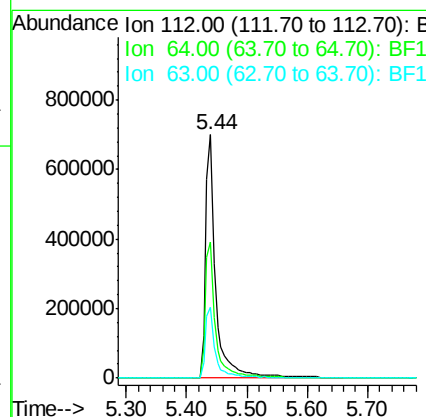
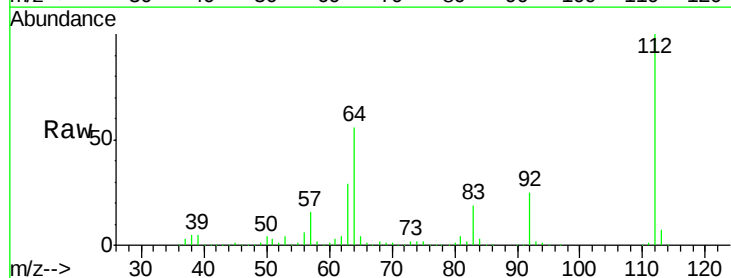
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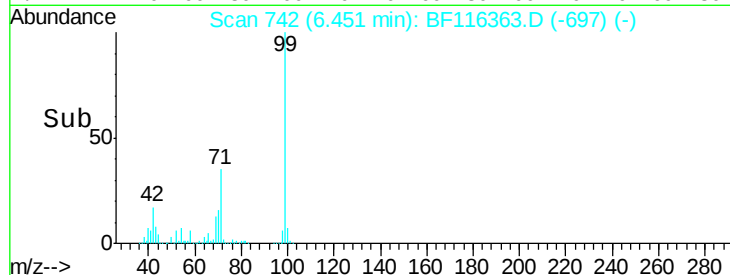
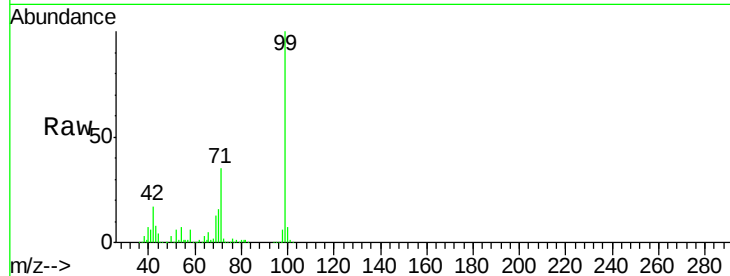
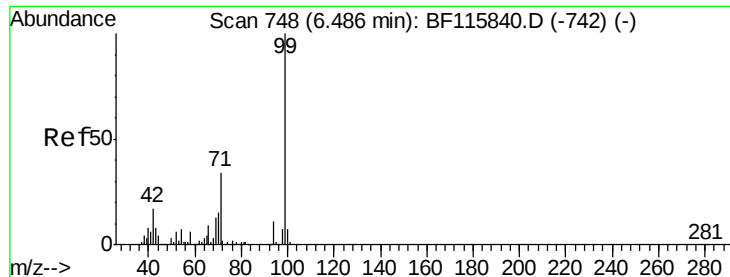


#5

2-Fluorophenol
Concen: 95.802 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.03 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.4	68.2
63	29.1	23.7	35.5





#7

Phenol-d6

Concen: 99.333 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.04 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

Tot Ion:	99	Resp:	1086640
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.8	20.8
71	34.5	27.3	40.9

Instrument :

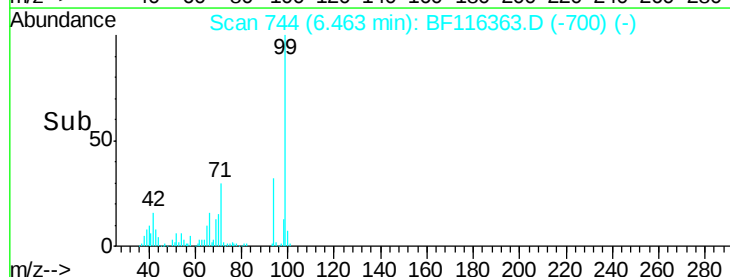
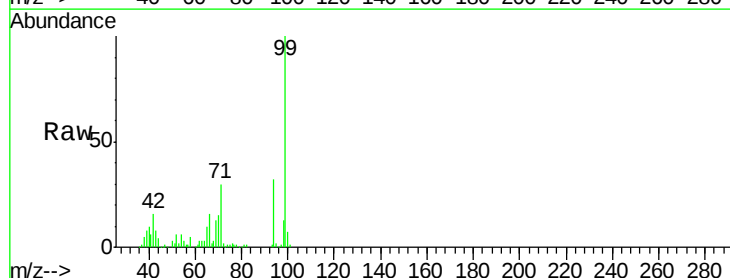
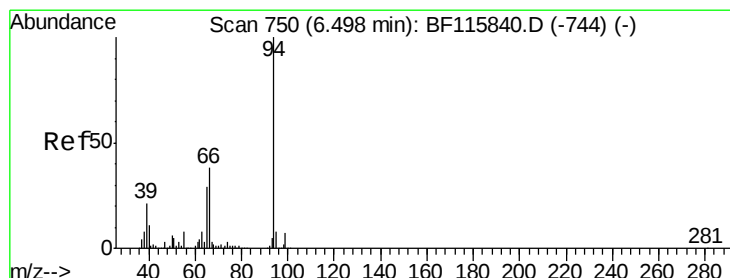
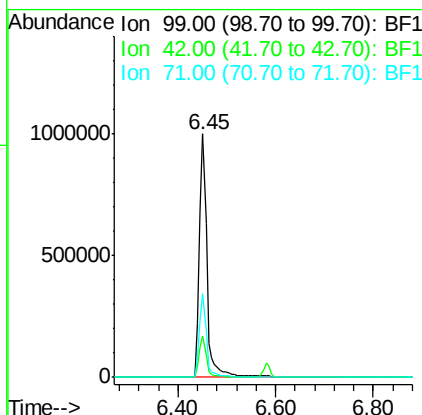
BNA_F

ClientSampleId :

2S-F1-F4-COMP-(0-1)

Manual Integrations
APPROVED

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#10

Phenol

Concen: 4.061 ng

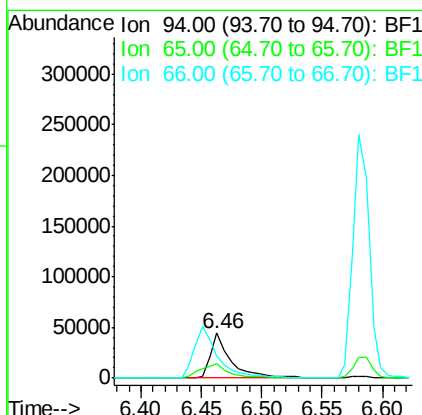
RT: 6.46 min Scan# 744

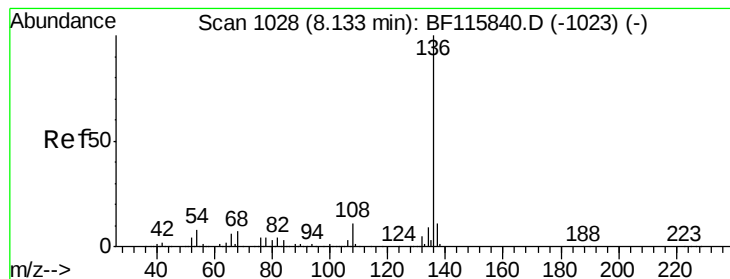
Delta R.T. -0.04 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

Tgt Ion:	94	Resp:	52313
Ion	Ratio	Lower	Upper
94	100		
65	31.5	16.8	56.8
66	49.9	34.2	74.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.04 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

Instrument :

BNA_F

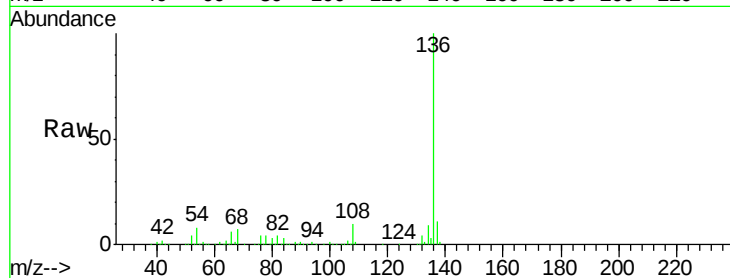
ClientSampleId :

2S-F1-F4-COMP-(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		565309		
137	11.3		9.0	13.4	
54	7.7		5.8	8.6	
68	6.7		5.2	7.8	

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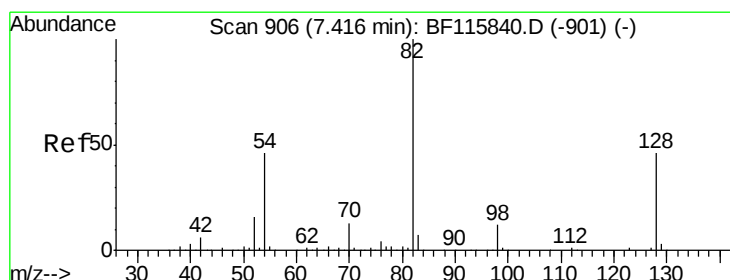
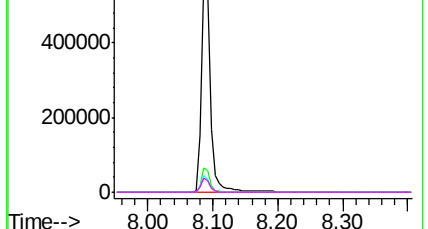
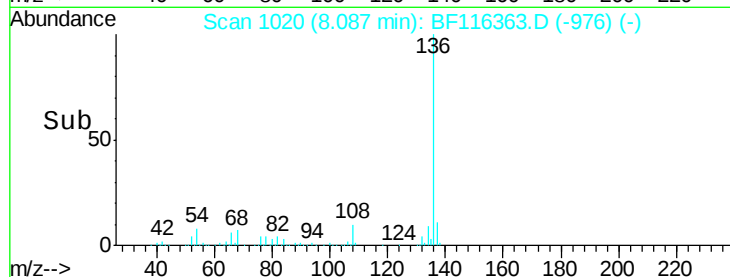


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 70.113 ng

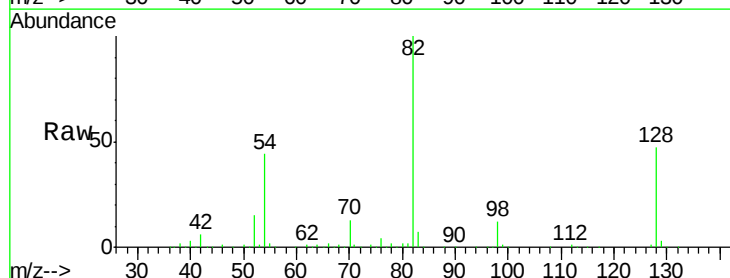
RT: 7.37 min Scan# 899

Delta R.T. -0.04 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

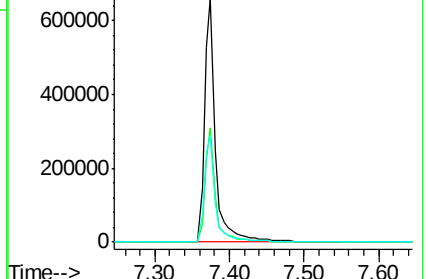
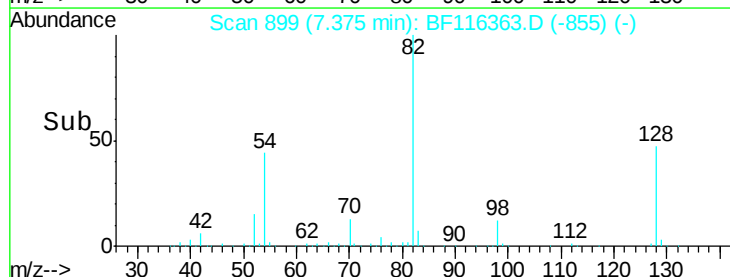
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		686648		
128	47.0		36.5	54.7	
54	43.9		36.0	54.0	

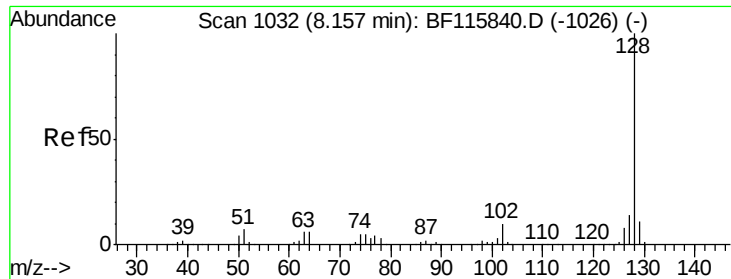


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





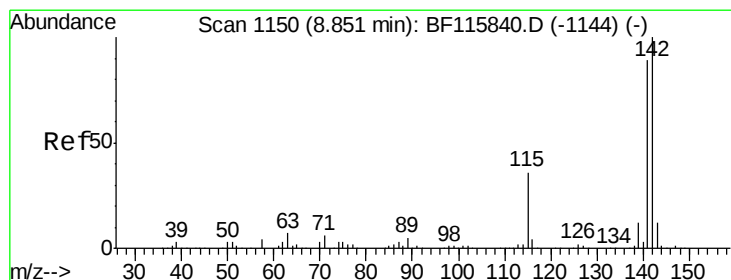
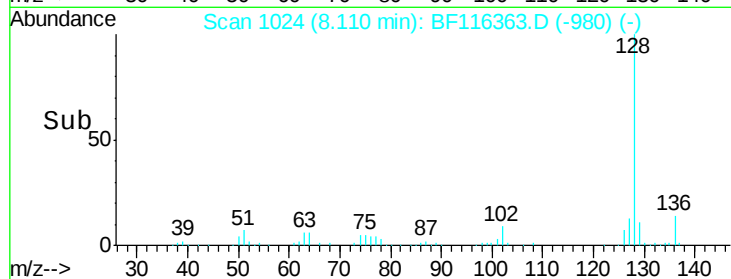
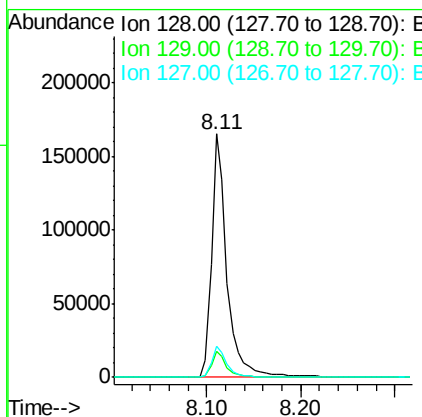
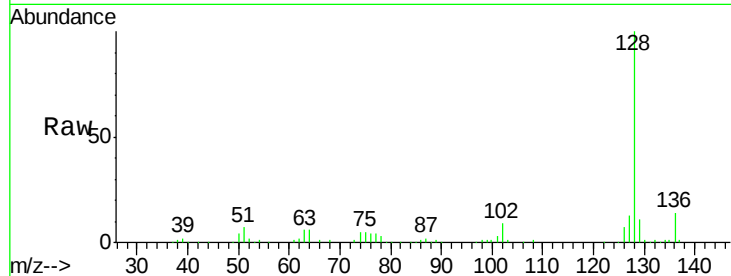
#31
Naphthalene
Concen: 7.160 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.04 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Instrument :
BNA_F
ClientSampleId :
2S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.3	13.9
127	13.0	11.4	17.0

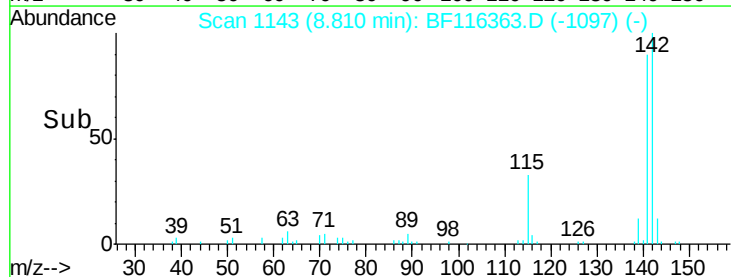
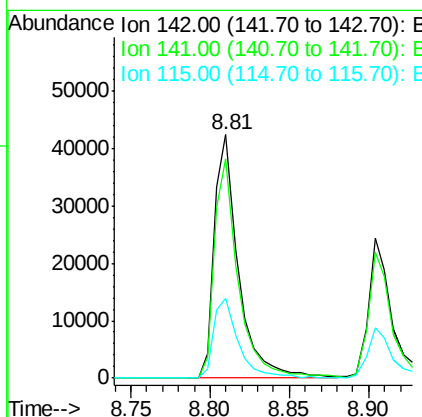
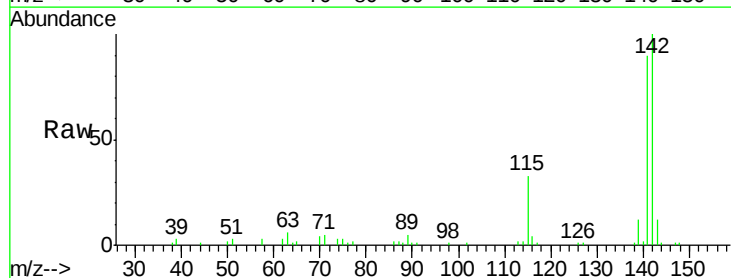
Manual Integrations
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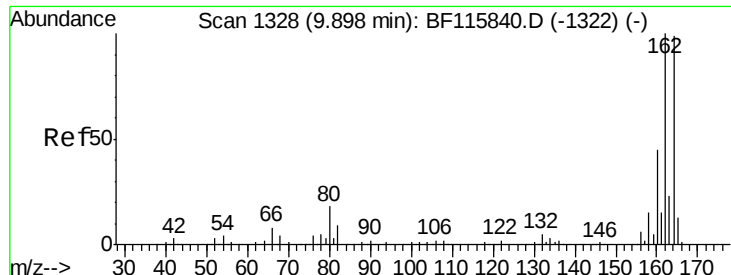
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#37
2-Methylnaphthalene
Concen: 2.581 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.03 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.9	106.3
115	32.7	29.0	43.6





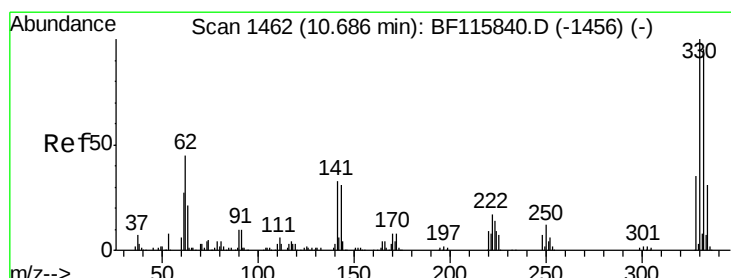
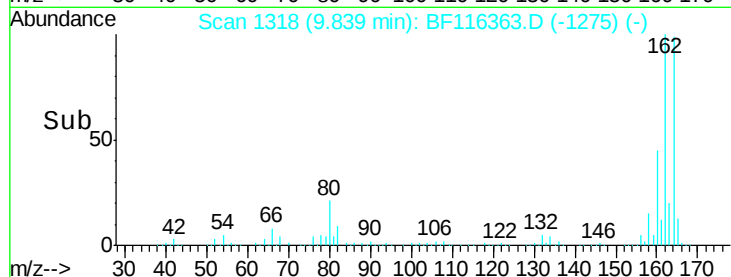
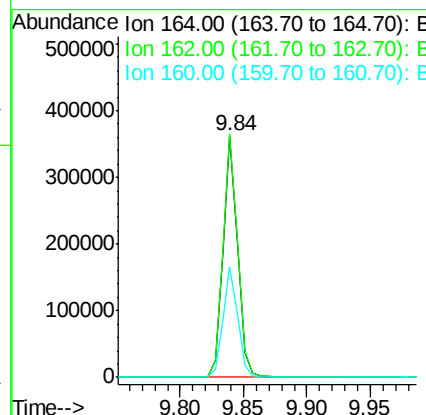
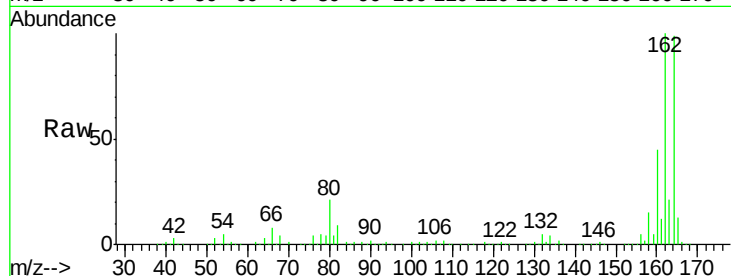
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.05 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Instrument :
BNA_F
ClientSampleId :
2S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.0	82.6	124.0	
160	45.6	37.6	56.4	

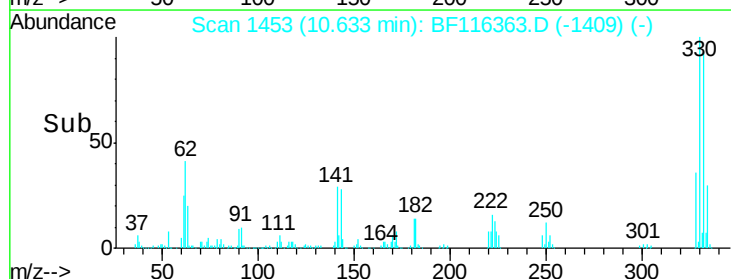
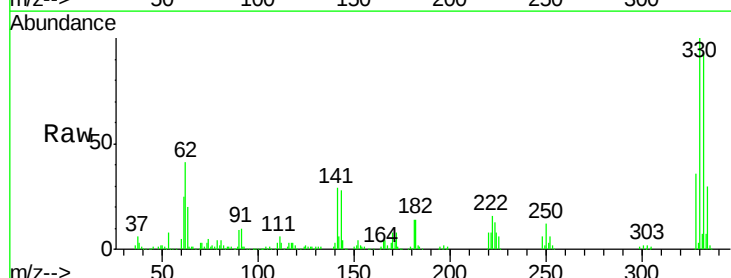
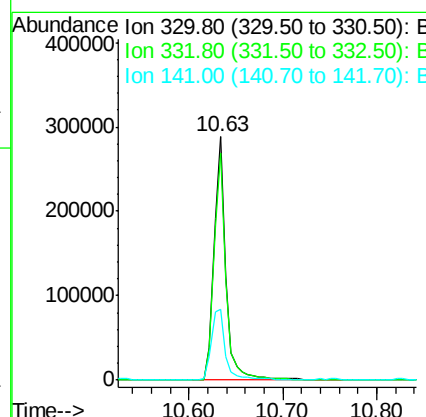
Manual Integrations
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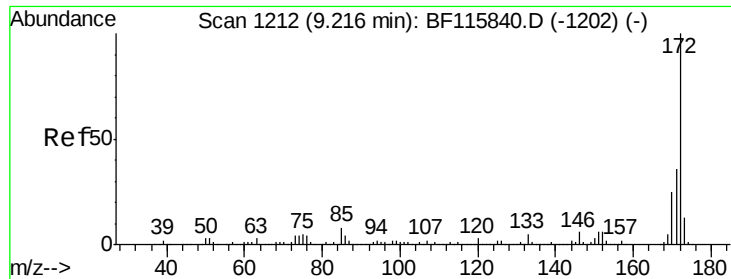
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#42
2,4,6-Tribromophenol
Concen: 90.223 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.04 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.3	76.8	115.2	
141	35.2	26.3	39.5	





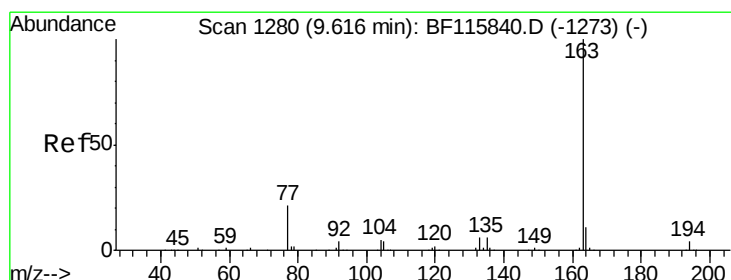
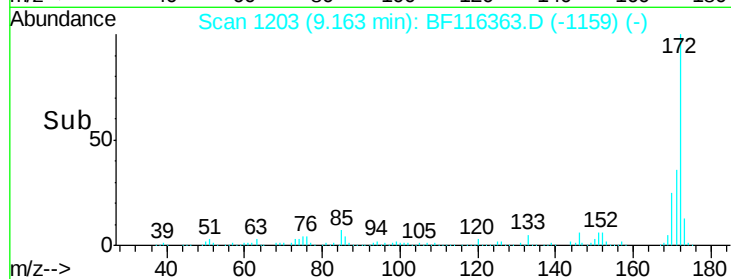
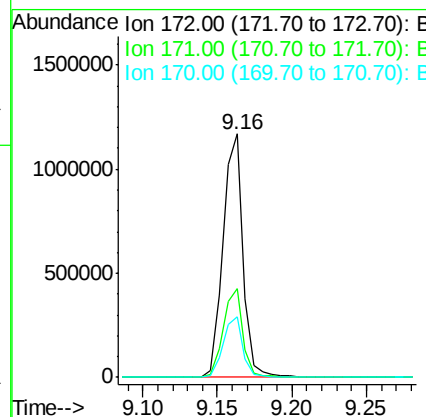
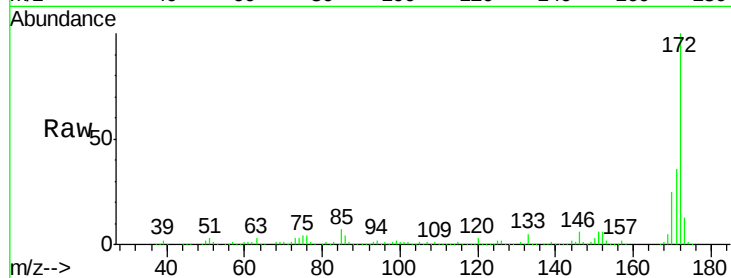
#45
2-Fluorobiphenyl
Concen: 69.863 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.04 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Instrument :
BNA_F
ClientSampleId :
2S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	25.0	20.1	30.1

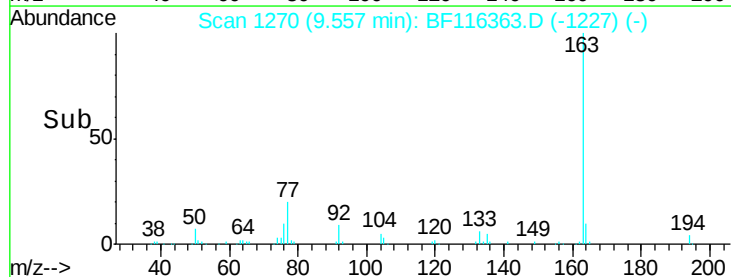
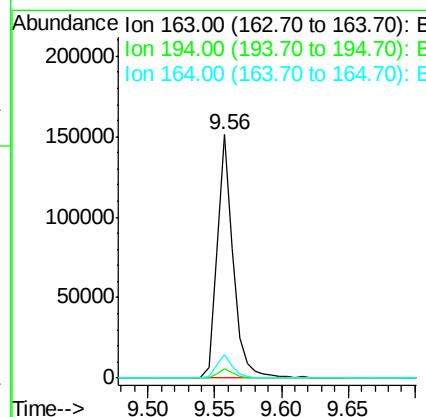
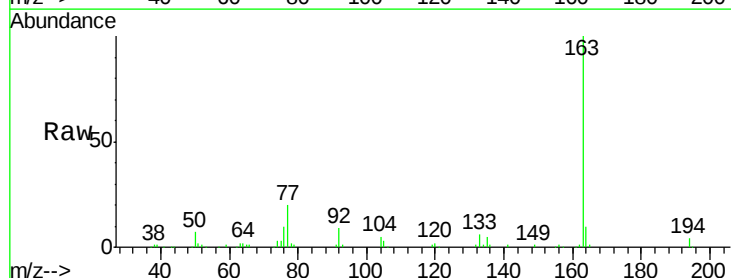
Manual Integrations
APPROVED

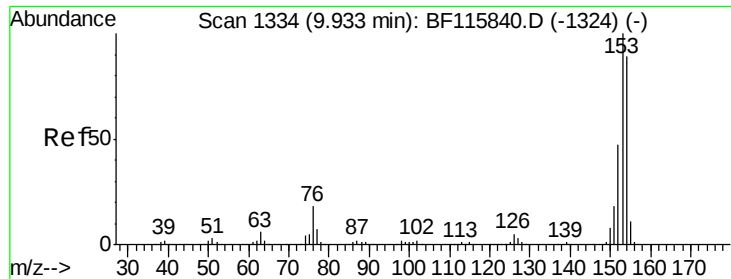
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#50
Dimethylphthalate
Concen: 6.403 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.05 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	9.6	8.4	12.6





#52

Acenaphthene

Concen: 16.026 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.05 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

Instrument :

BNA_F

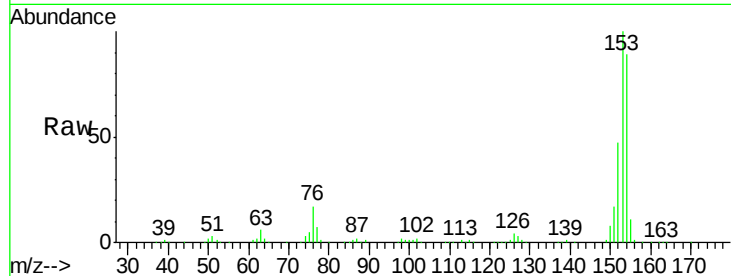
ClientSampleId :

2S-F1-F4-COMP-(0-1)

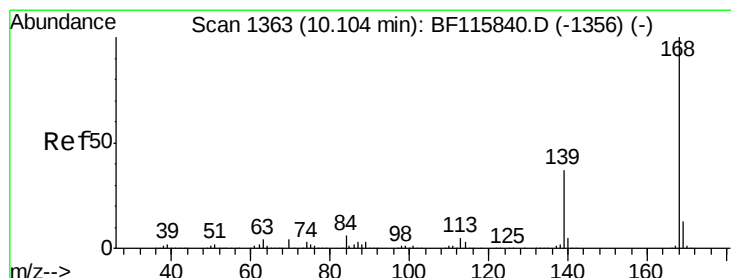
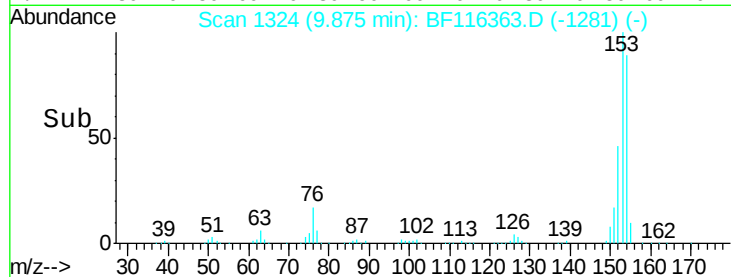
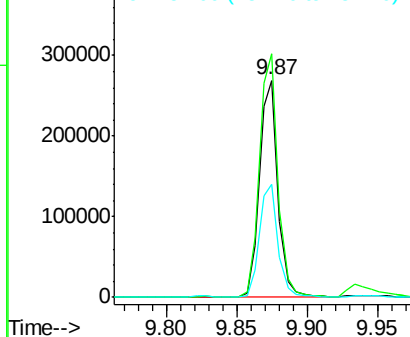
Tot Ion:	154	Resp:	249884
Ion Ratio	Lower	Upper	
154	100		
153	112.0	89.4	134.0
152	52.1	42.3	63.5

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 10.019 ng

RT: 10.05 min Scan# 1353

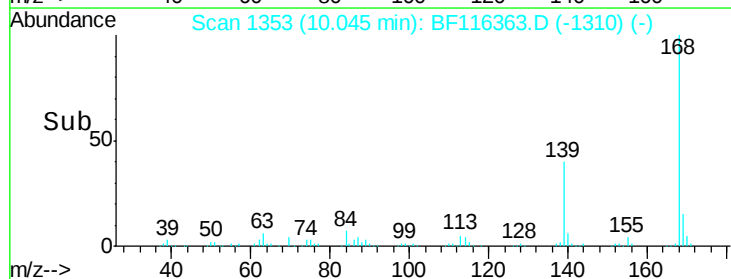
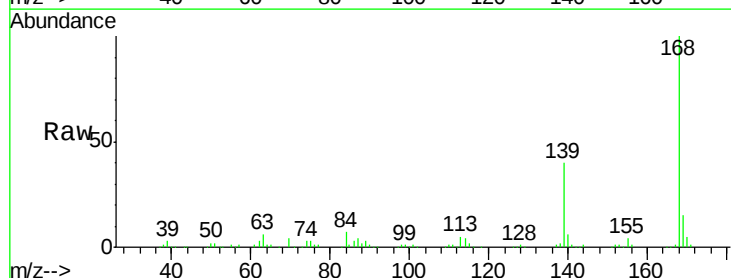
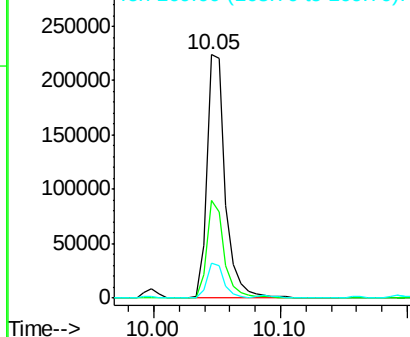
Delta R.T. -0.05 min

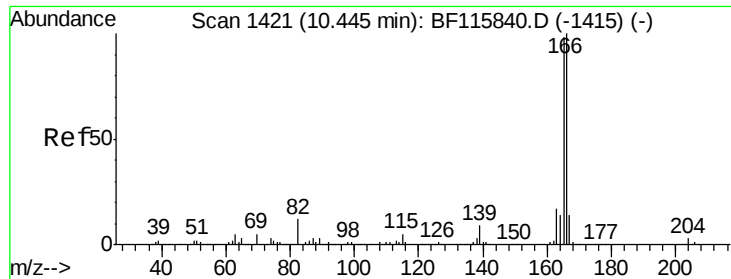
Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

Tgt Ion:	168	Resp:	227188
Ion Ratio	Lower	Upper	
168	100		
139	39.9	31.4	47.2
169	14.6	10.9	16.3

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





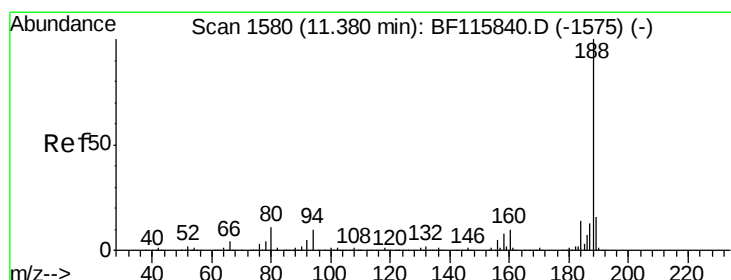
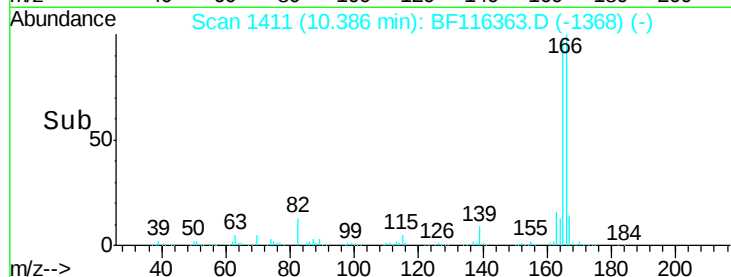
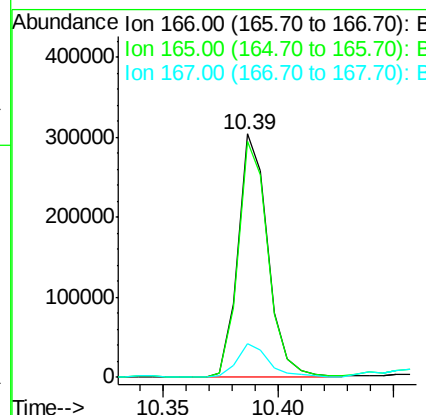
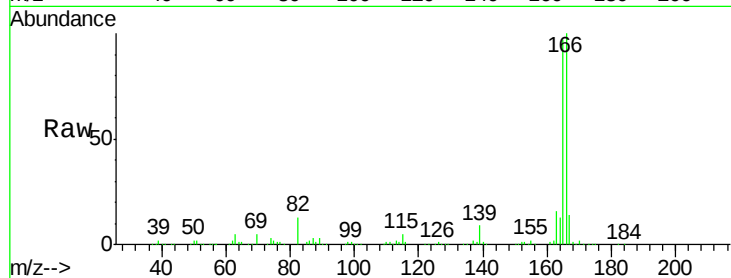
#58
Fluorene
 Concen: 15.746 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.05 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

Instrument :
 BNA_F
 ClientSampleId :
 2S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.4	117.6
167	14.0	11.0	16.4

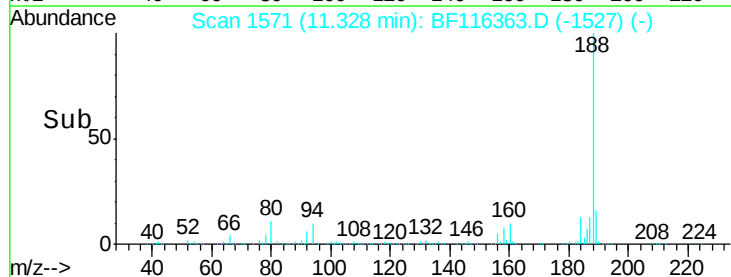
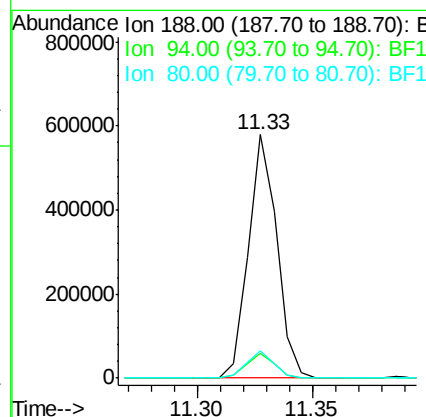
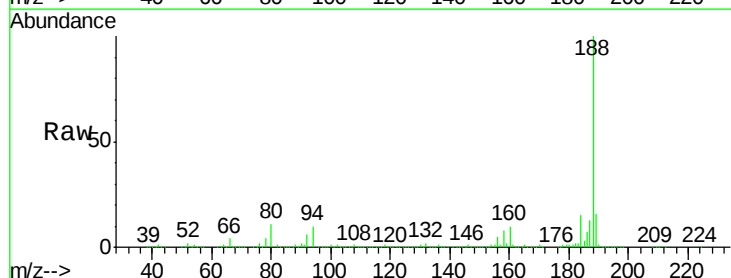
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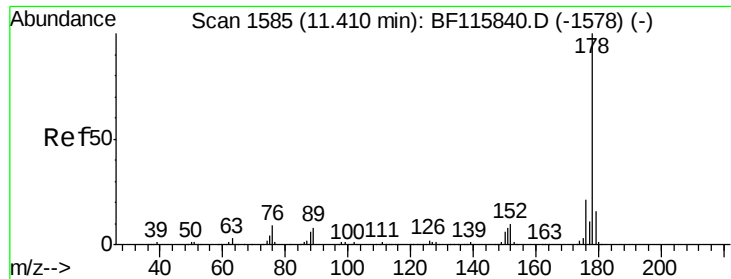
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.04 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.1	12.1
80	11.0	8.7	13.1





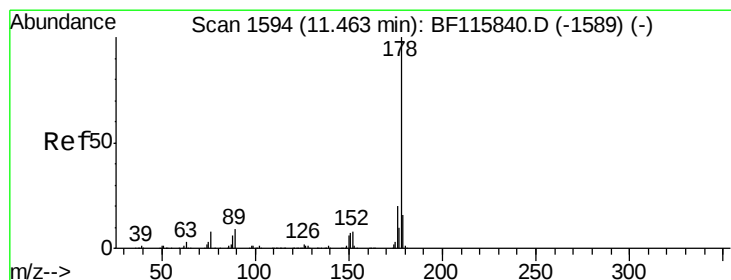
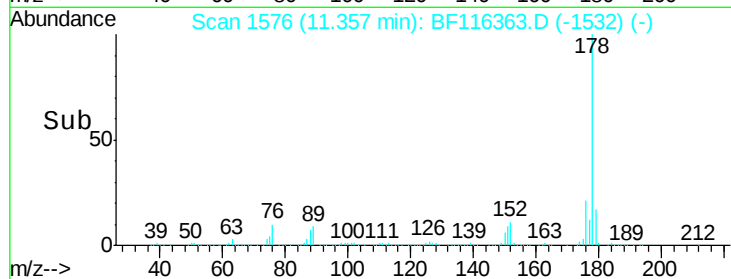
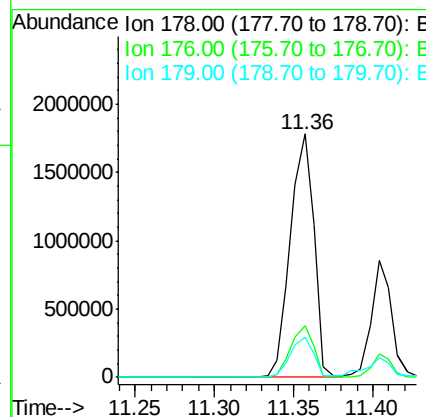
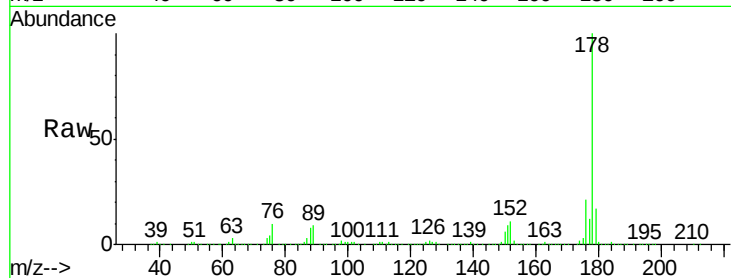
#71
Phenanthrene
Concen: 72.222 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.04 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Instrument :
BNA_F
ClientSampleId :
2S-F1-F4-COMP-(0-1)

Tot Ion:178 Resp: 1842435
Ion Ratio Lower Upper
178 100
176 21.3 16.6 24.8
179 16.7 12.5 18.7

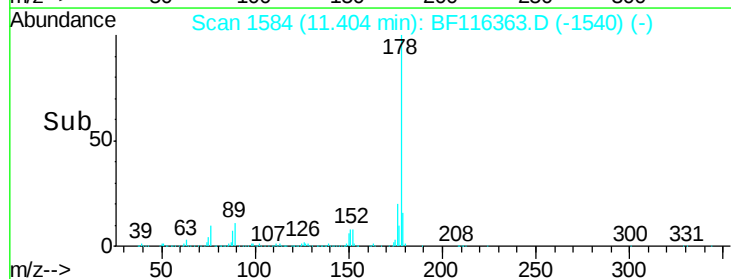
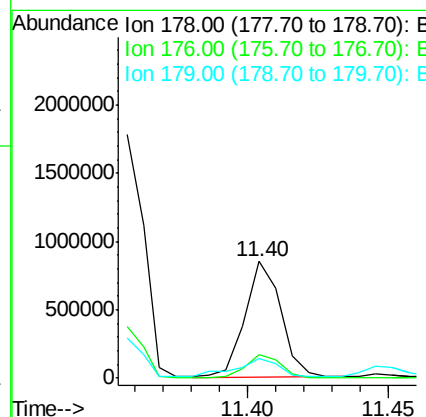
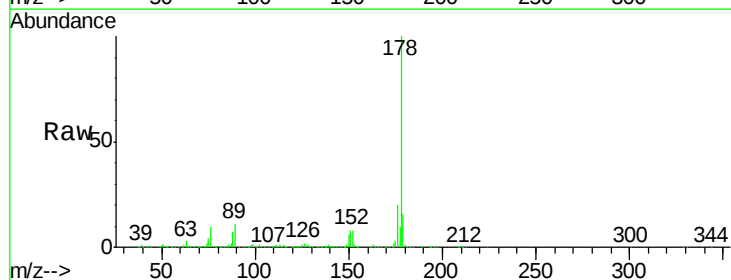
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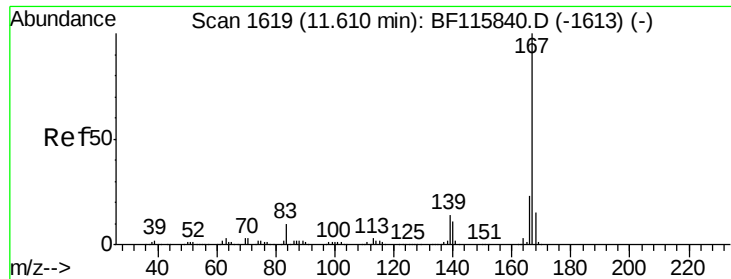
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#72
Anthracene
Concen: 28.966 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.04 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt Ion:178 Resp: 747837
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 16.3 13.0 19.6





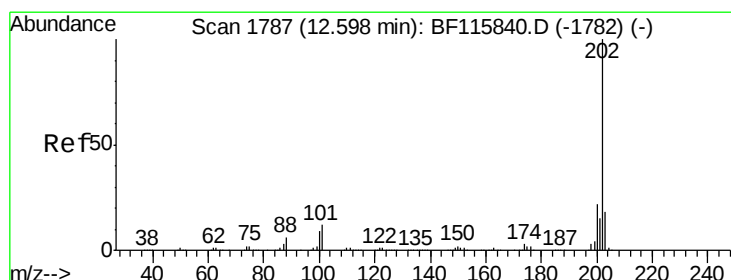
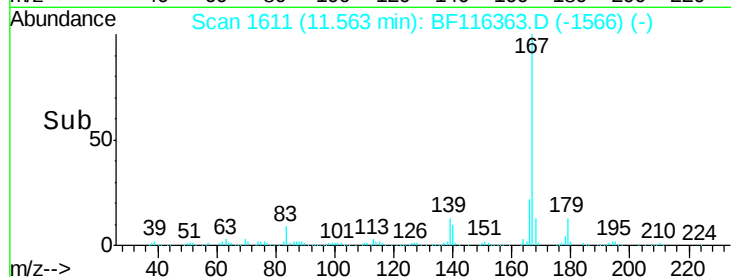
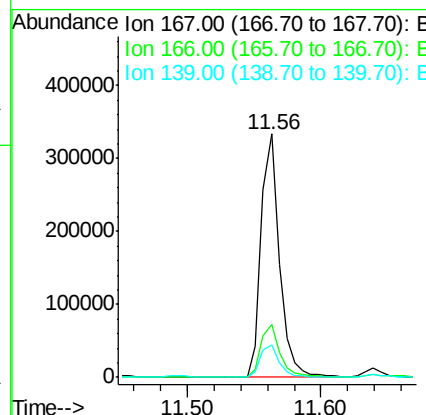
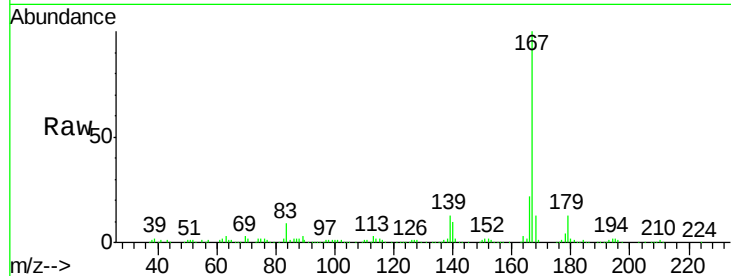
#73
 Carbazole
 Concen: 13.231 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.04 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

Instrument :
 BNA_F
 ClientSampleId :
 2S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.6
139	13.1	11.4	17.0

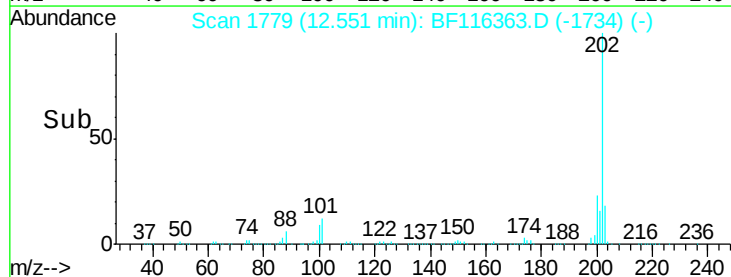
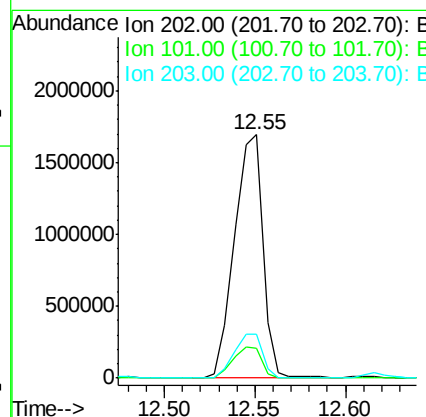
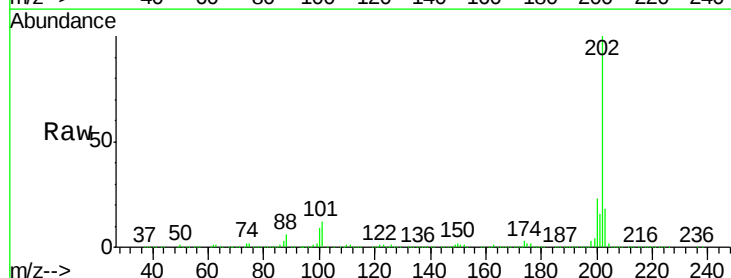
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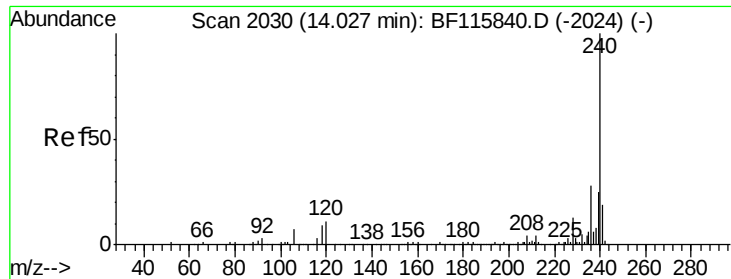
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#75
 Fluoranthene
 Concen: 69.472 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.04 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.2
203	18.3	0.0	37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.04 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

Instrument :

BNA_F

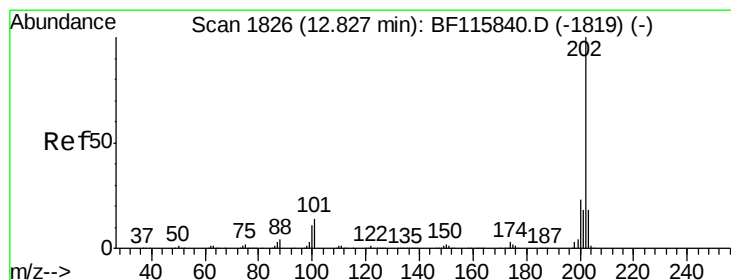
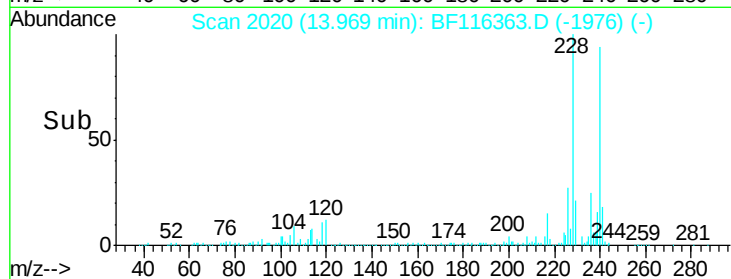
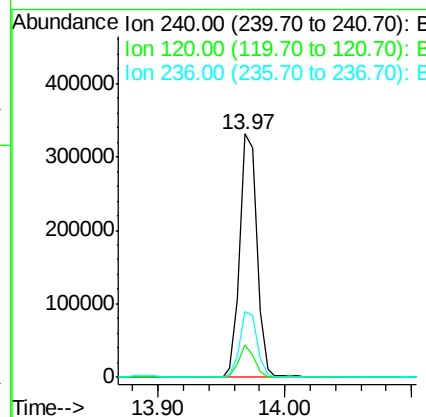
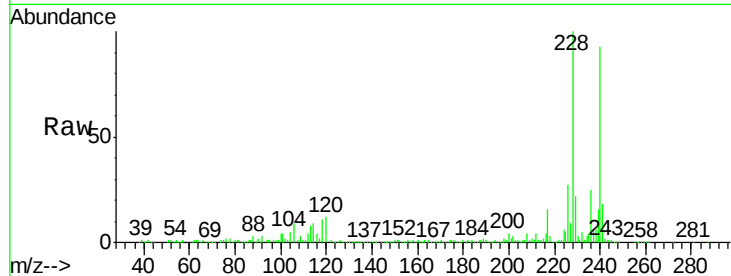
ClientSampleId :

2S-F1-F4-COMP-(0-1)

Tot Ion:	240	Resp:	306630
Ion Ratio	Lower	Upper	
240	100		
120	13.1	10.7	16.1
236	27.0	22.2	33.2

Manual Integrations
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#78

Pyrene

Concen: 70.465 ng

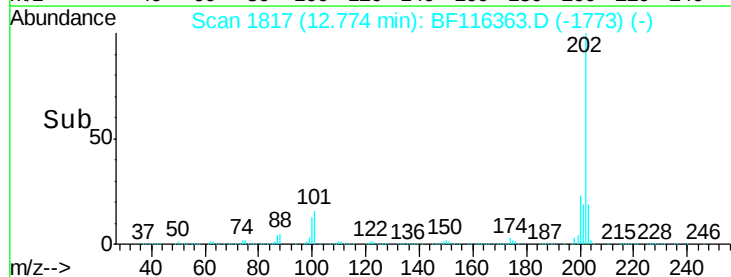
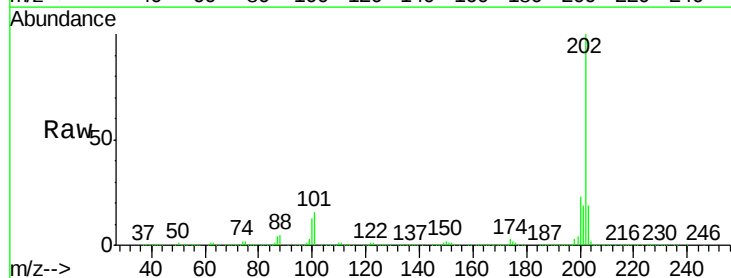
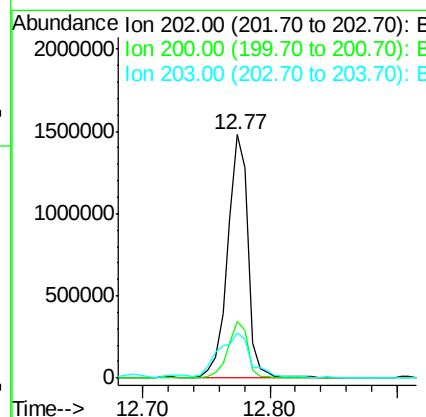
RT: 12.77 min Scan# 1817

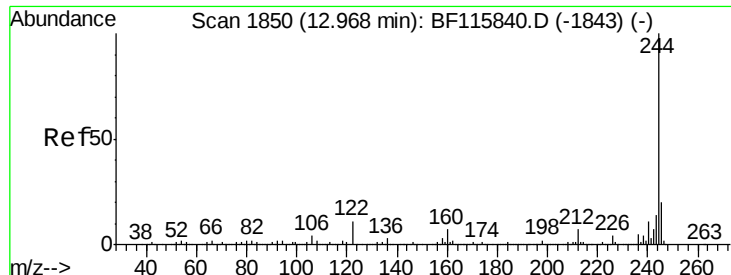
Delta R.T. -0.04 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

Tgt Ion:	202	Resp:	1628747
Ion Ratio	Lower	Upper	
202	100		
200	23.1	18.0	27.0
203	18.6	14.1	21.1





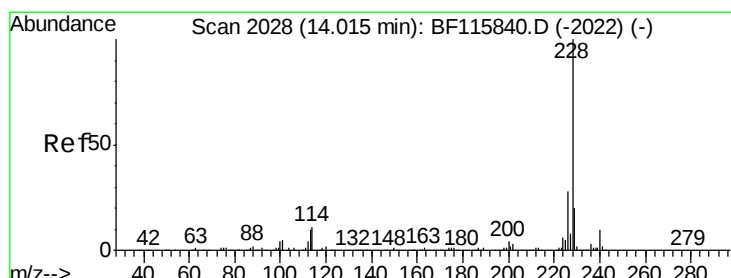
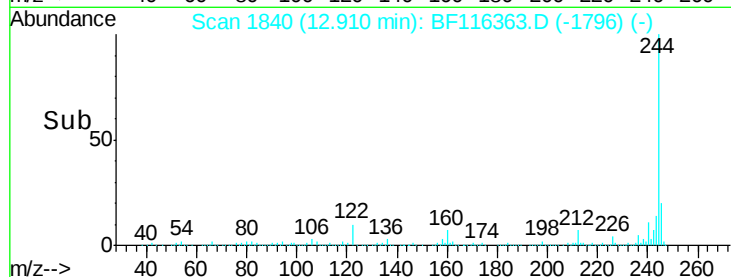
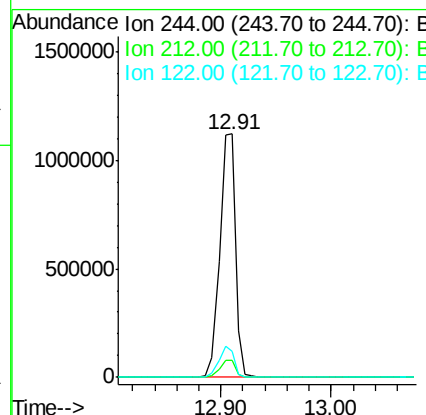
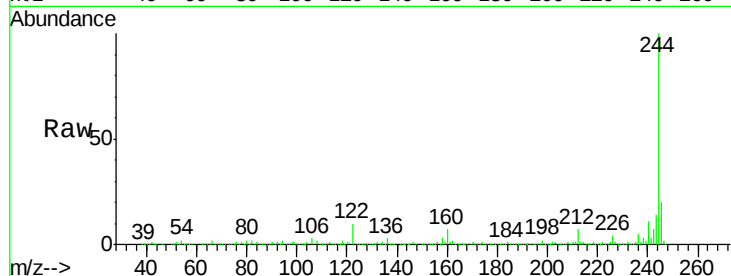
#79
 Terphenyl-d14
 Concen: 75.786 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

Instrument :
 BNA_F
 ClientSampleId :
 2S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	10.5	9.0	13.4

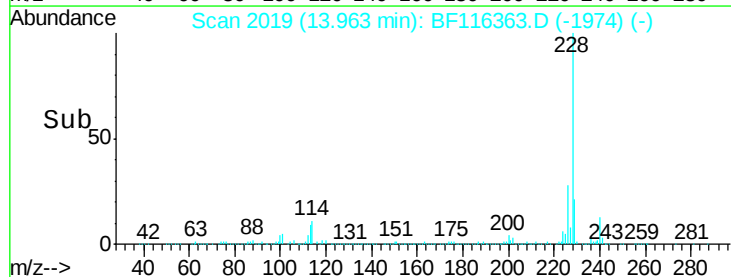
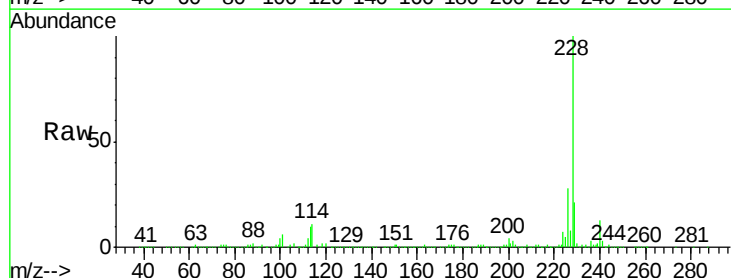
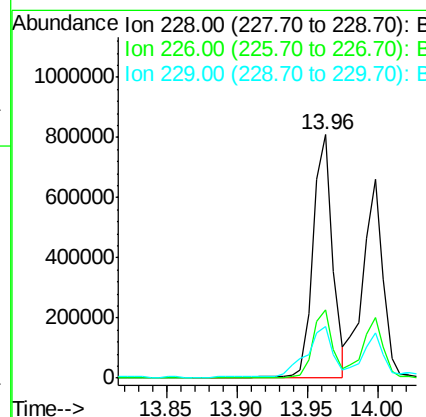
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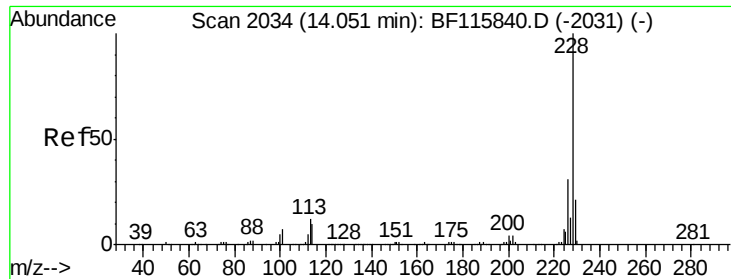
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#81
 Benzo(a)anthracene
 Concen: 39.440 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.04 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	21.0	16.2	24.4





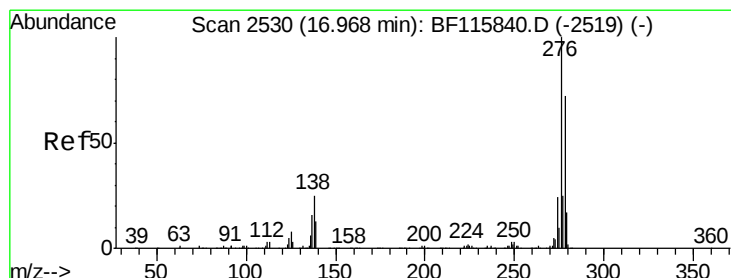
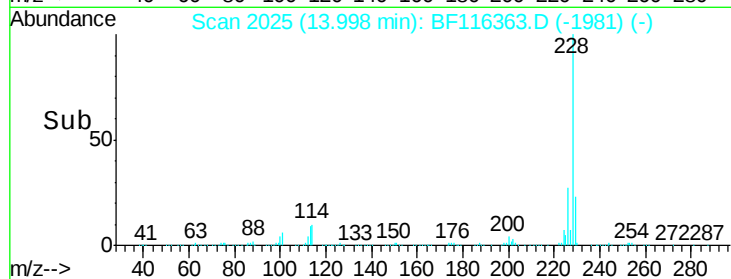
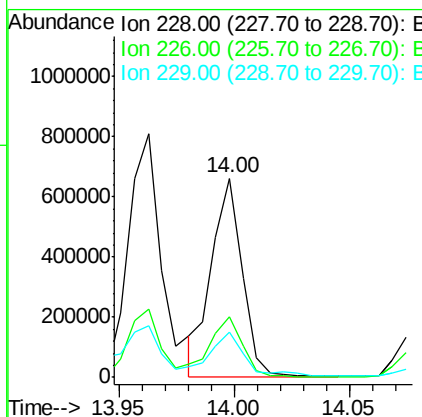
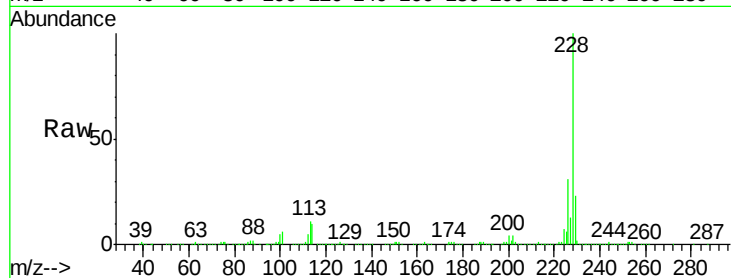
#83
Chrysene
Concen: 32.052 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.04 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Instrument :
BNA_F
ClientSampleId :
2S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.5	38.3
229	23.0	16.6	24.8

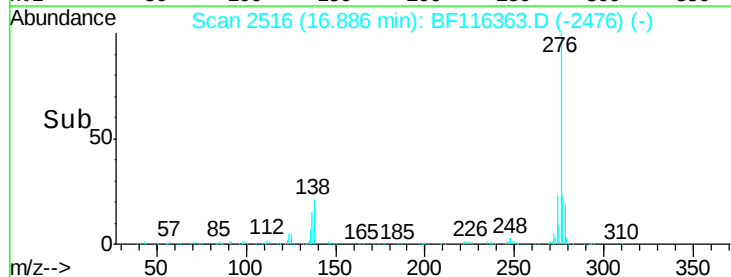
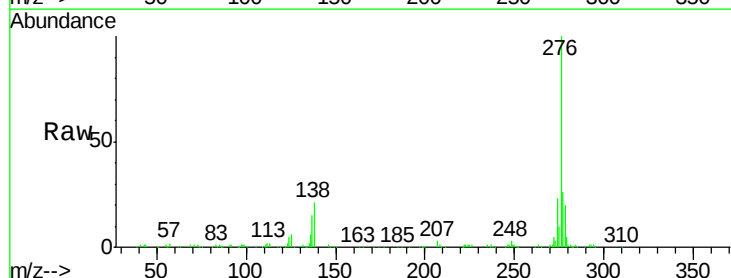
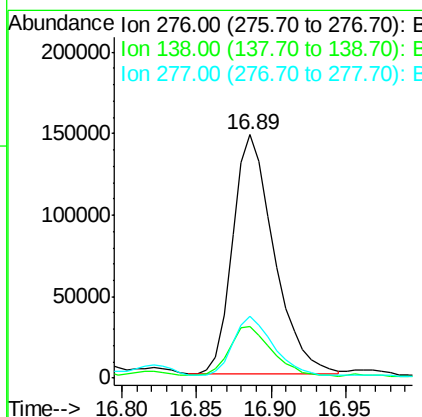
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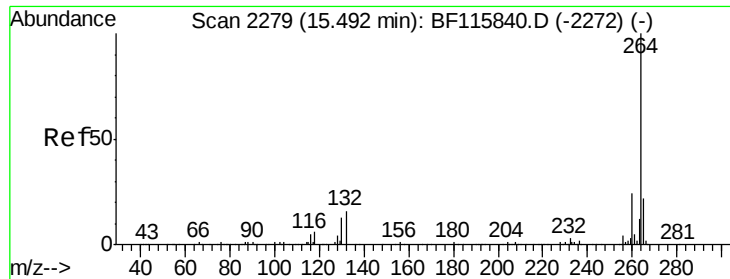
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#86
Indeno(1,2,3-cd)pyrene
Concen: 17.795 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.06 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	20.4	30.6
277	24.3	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.05 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

Instrument :

BNA_F

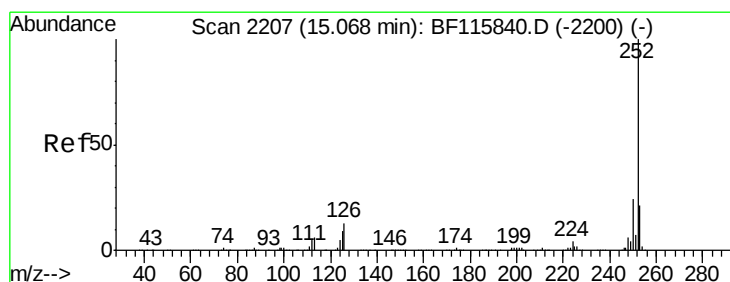
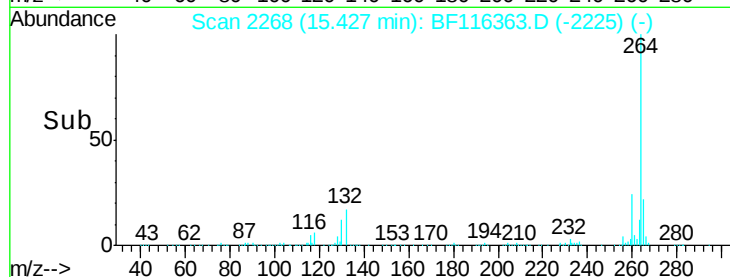
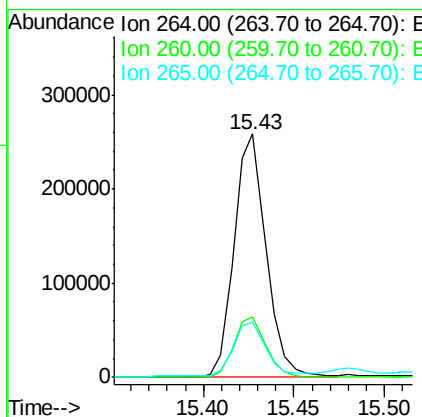
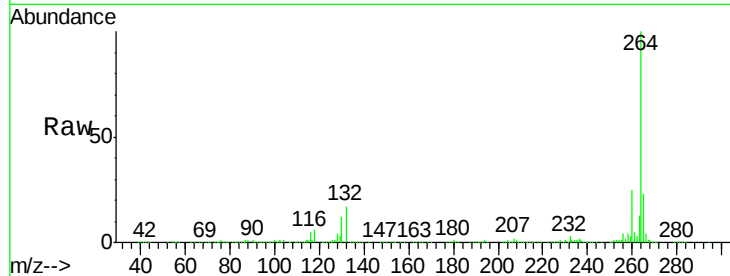
ClientSampleId :

2S-F1-F4-COMP-(0-1)

Tot Ion:	264	Resp:	315148
Ion Ratio		Lower	Upper
264	100		
260	24.7	19.7	29.5
265	22.5	17.4	26.0

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#88

Benzo(b)fluoranthene

Concen: 36.799 ng m

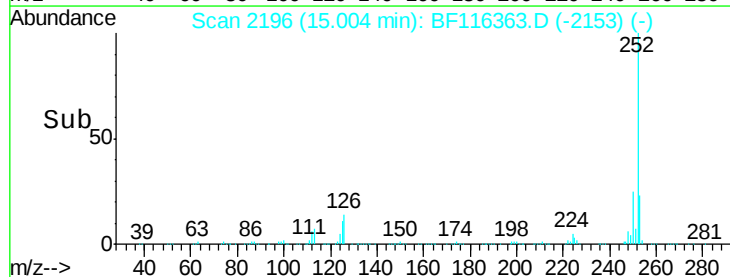
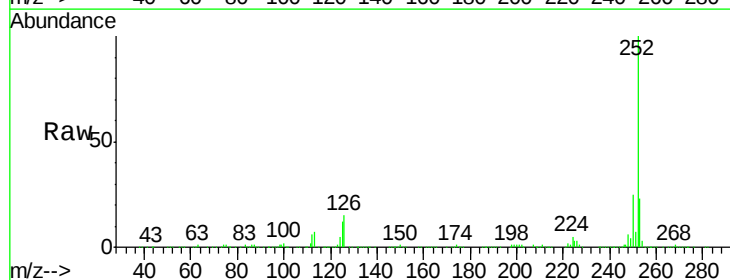
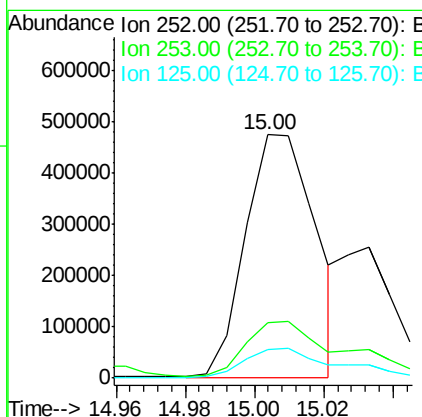
RT: 15.00 min Scan# 2196

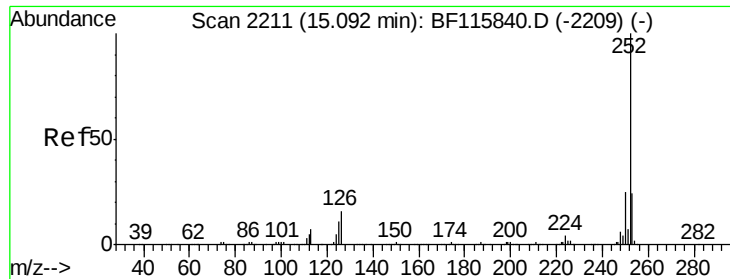
Delta R.T. -0.05 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

Tgt Ion:	252	Resp:	670559
Ion Ratio		Lower	Upper
252	100		
253	23.0	17.8	26.8
125	11.5	8.4	12.6





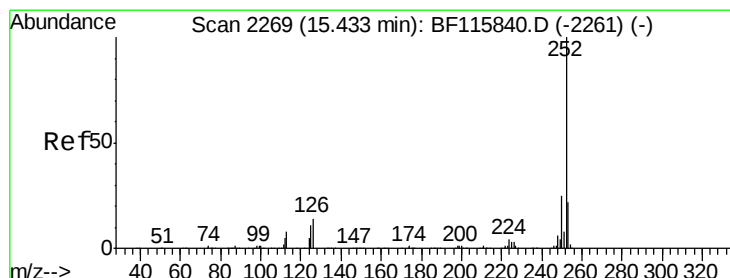
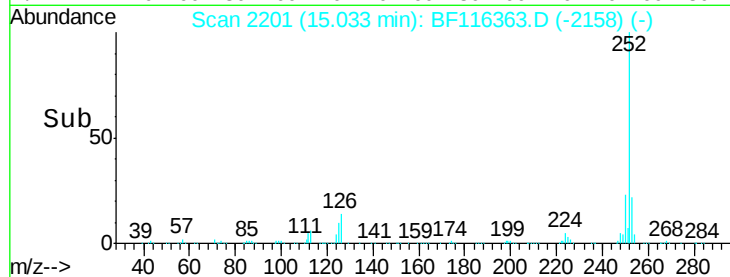
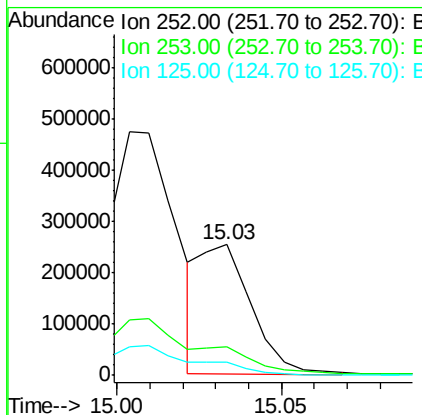
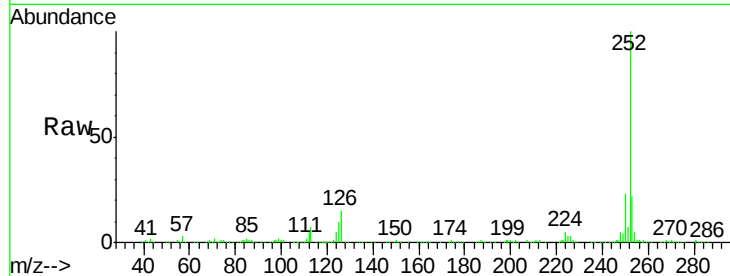
#89
Benzo(k)fluoranthene
Concen: 15.095 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.05 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Instrument :
BNA_F
ClientSampleId :
2S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	10.2	7.7	11.5

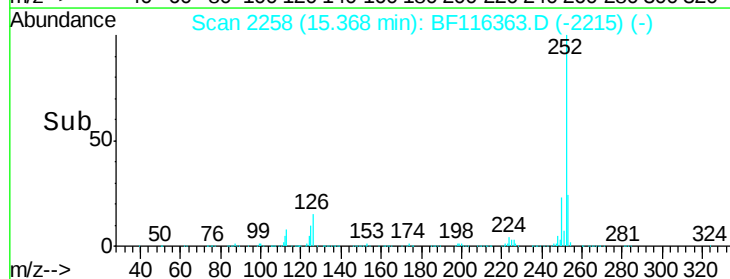
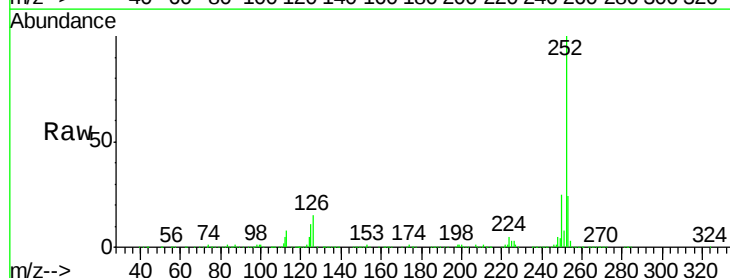
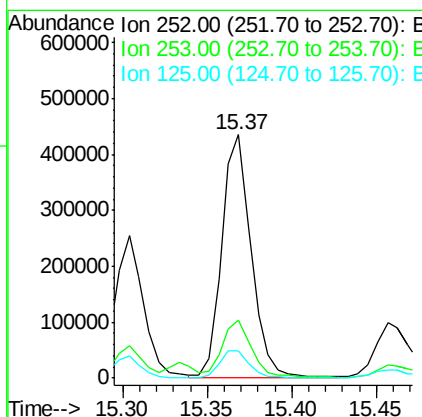
Manual Integrations
APPROVED

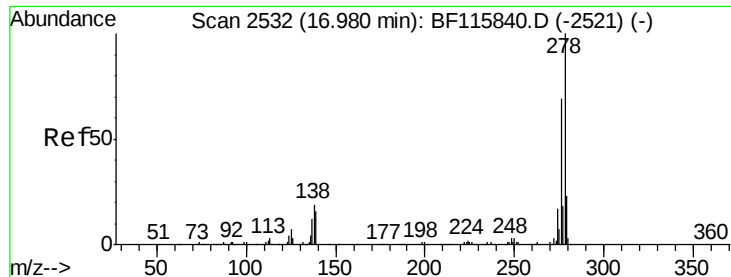
Jagrut
8/19/2019 3:31:01 PM



#90
Benzo(a)pyrene
Concen: 31.993 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.05 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	11.1	8.9	13.3





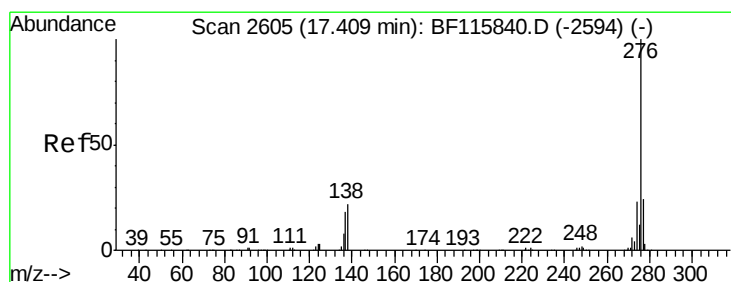
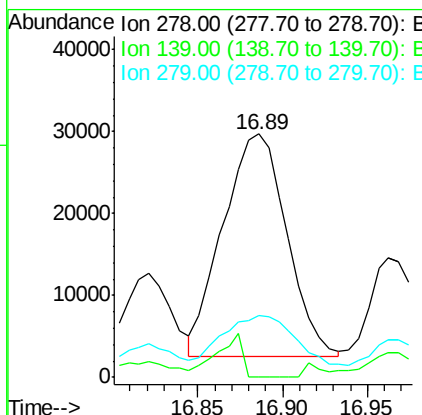
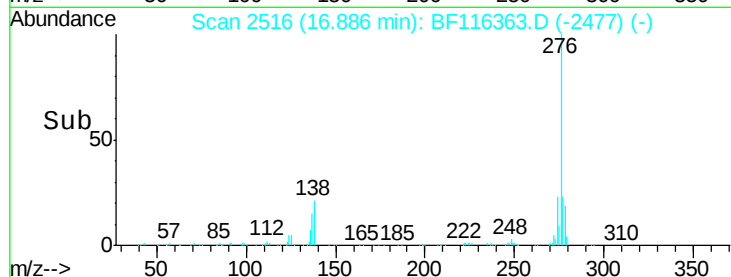
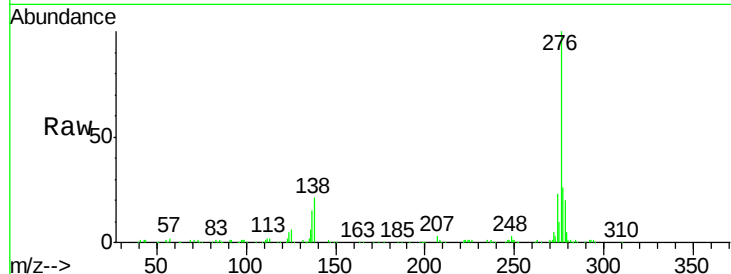
#91
Dibenzo(a,h)anthracene
Concen: 5.016 ng/mL
RT: 16.89 min Scan# 2516
Delta R.T. -0.07 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Instrument :
BNA_F
ClientSampleId :
2S-F1-F4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2
279	25.4	18.8	28.2

Manual Integrations
APPROVED

Jagrut
8/19/2019 3:31:01 PM



#92
Benzo(g,h,i)perylene
Concen: 18.500 ng/mL
RT: 17.32 min Scan# 2590
Delta R.T. -0.06 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.4	27.6
138	22.6	17.0	25.6

