

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
 Data File : BF113241.D
 Acq On : 22 Mar 2019 18:20
 Operator : JU/SJ
 Sample : K2050-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-4

Manual Integrations
 APPROVED

Sohil
 3/25/2019 6:32:14 PM

Quant Time: Mar 23 00:38:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	192948	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	677626	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	336152	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	566582	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	346873	20.00	ng	0.00
87) Perylene-d12	15.27	264	407485	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1185390	95.57	ng	0.00
7) Phenol-d6	6.37	99	1649756	105.88	ng	0.00
23) Nitrobenzene-d5	7.28	82	1063198	93.89	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	446626	125.15	ng	-0.01
45) 2-Fluorobiphenyl	9.07	172	1533871	72.79	ng	-0.02
79) Terphenyl-d14	12.81	244	1033807	57.77	ng	-0.01
Target Compounds						
10) Phenol	6.38	94	122285	6.725	ng	88
49) Acenaphthylene	9.60	152	86370	2.376	ng	99
50) Dimethylphthalate	9.46	163	218785	8.827	ng	99
71) Phenanthrene	11.25	178	104708	3.714	ng	98
72) Anthracene	11.30	178	98842	3.350	ng	98
73) Carbazole	11.46	167	88247	3.066	ng	98
75) Fluoranthene	12.44	202	626802	20.754	ng	95
78) Pyrene	12.66	202	622582	21.291	ng	99
81) Benzo(a)anthracene	13.85	228	365239	15.193	ng	94
83) Chrysene	13.89	228	536697	22.791	ng	98
86) Indeno(1,2,3-cd)pyrene	16.64	276	407405	20.293	ng	# 90
88) Benzo(b)fluoranthene	14.88	252	1212598m	46.006	ng	
89) Benzo(k)fluoranthene	14.90	252	241126m	10.100	ng	
90) Benzo(a)pyrene	15.22	252	469210	20.126	ng	97
91) Dibenzo(a,h)anthracene	16.64	278	135328	6.803	ng	95
92) Benzo(g,h,i)perylene	17.05	276	342838	17.162	ng	95

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

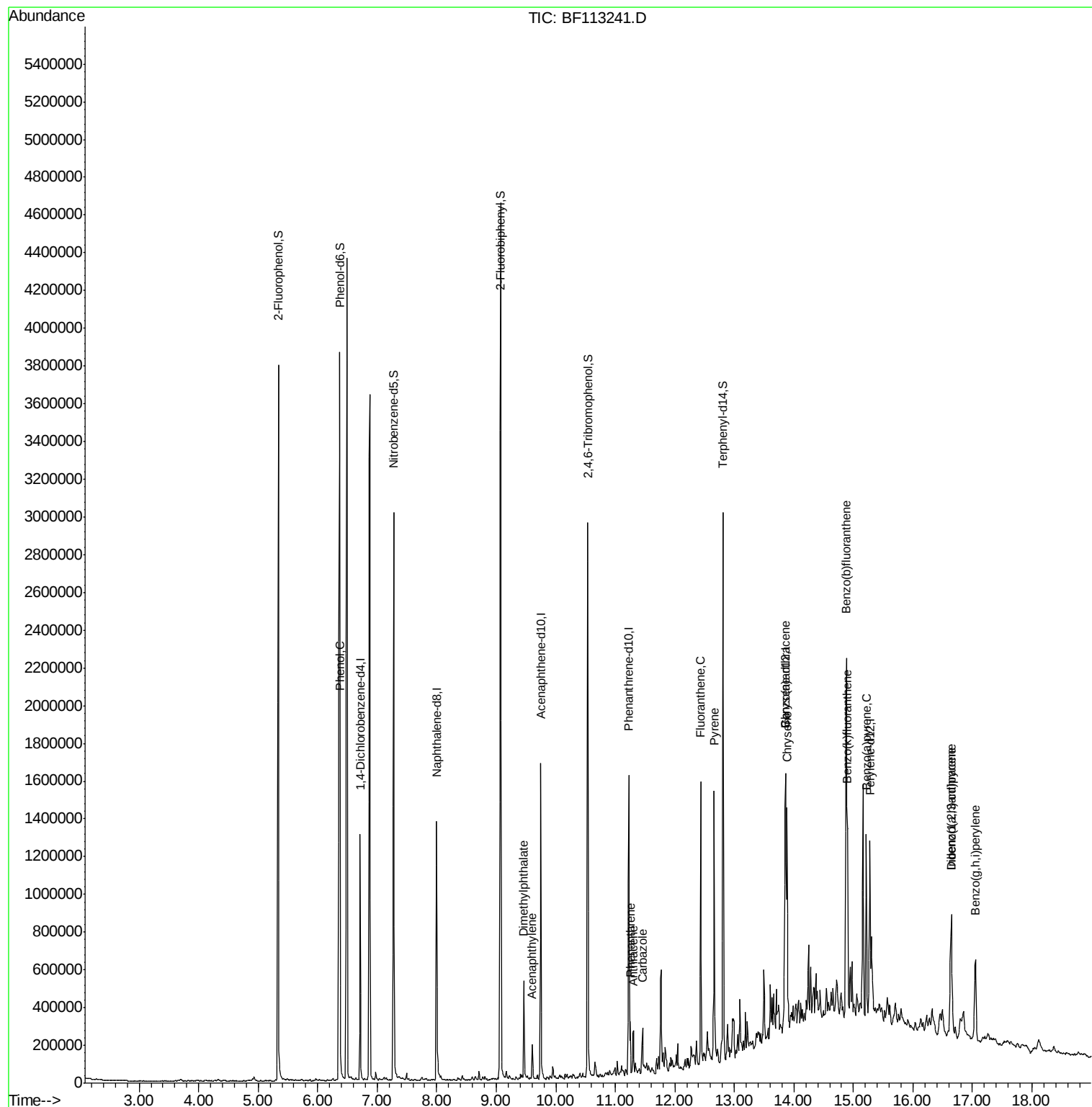
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
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Sample : K2050-02
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ALS Vial : 14 Sample Multiplier: 1

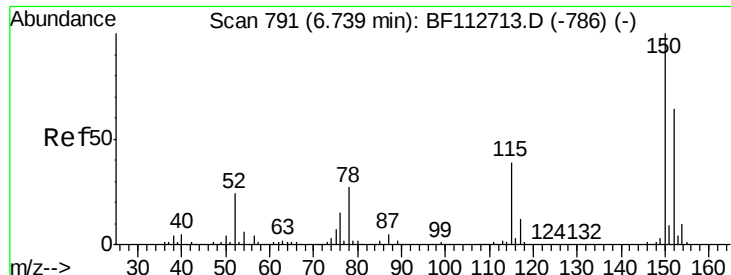
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

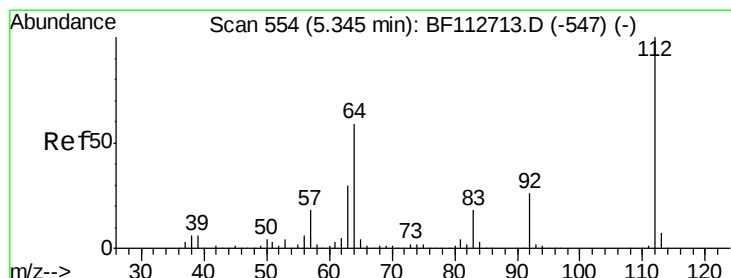
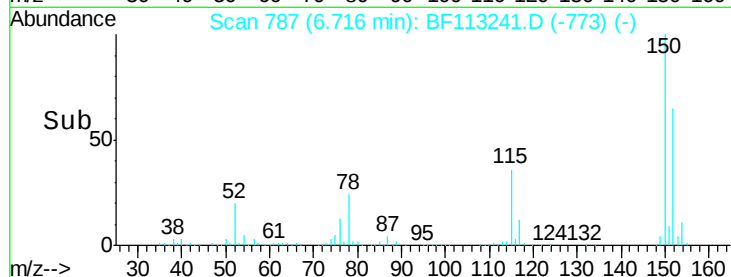
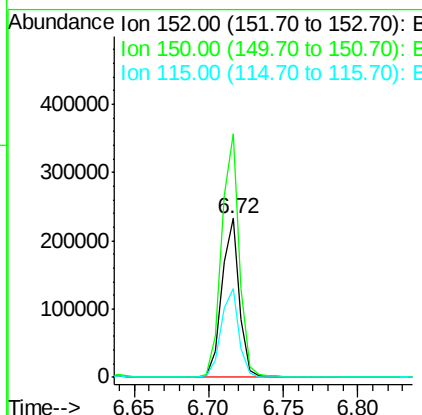
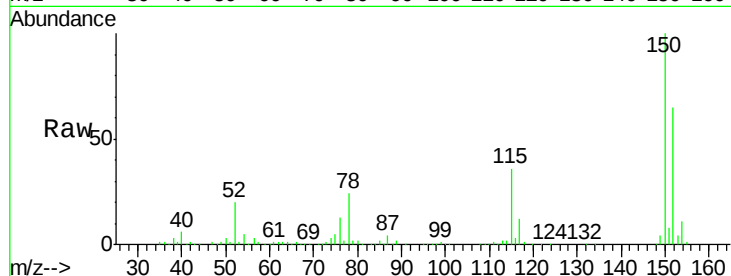
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Instrument :
BNA_F
ClientSampled :
CS-4

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	192948		
150	153.6	124.2	186.2	
115	55.9	48.2	72.4	

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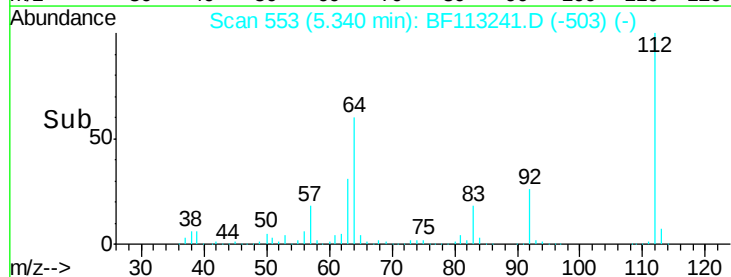
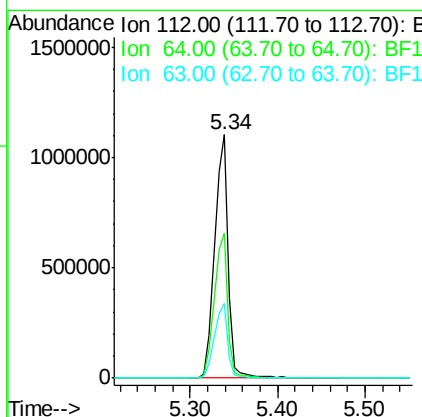
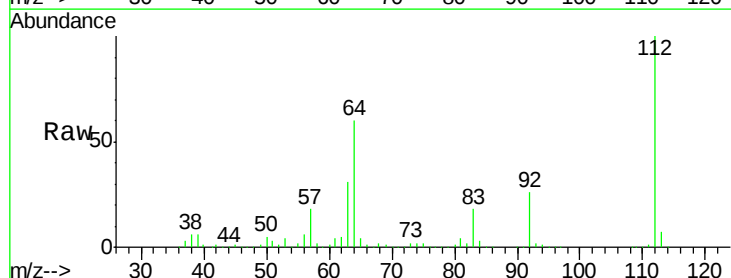
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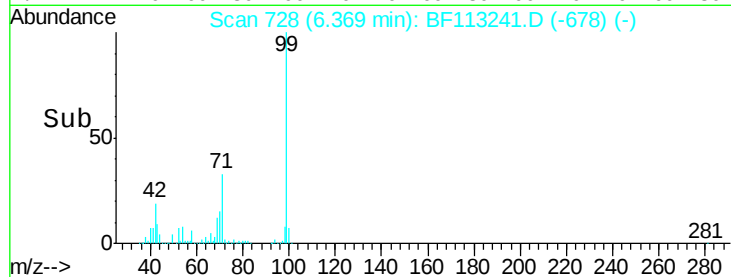
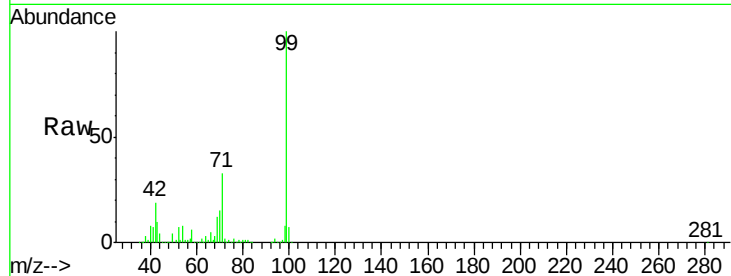
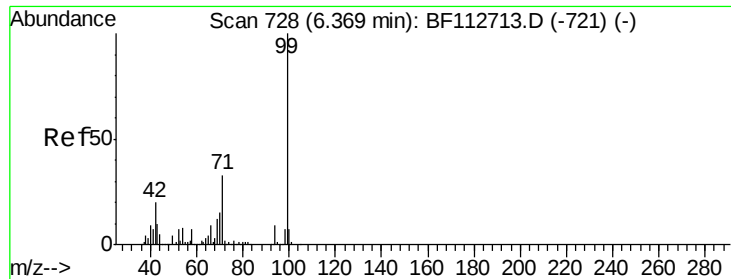


#5

2-Fluorophenol
Concen: 95.566 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1185390		
64	59.8	47.6	71.4	
63	30.7	24.4	36.6	





#7

Phenol-d6

Concen: 105.880 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113241.D

Acq: 22 Mar 2019 18:20

Tgt Ion:	99	Resp:	1649756
Ion	Ratio	Lower	Upper
99	100		
42	18.8	16.3	24.5
71	32.8	26.2	39.4

Instrument :

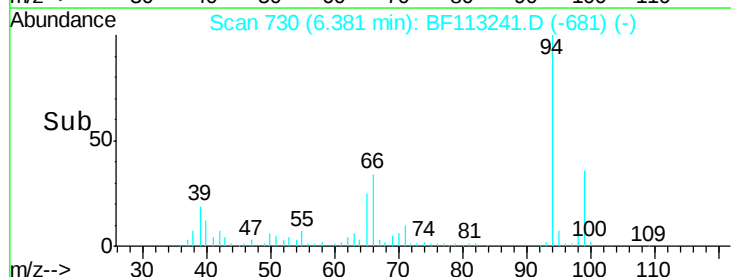
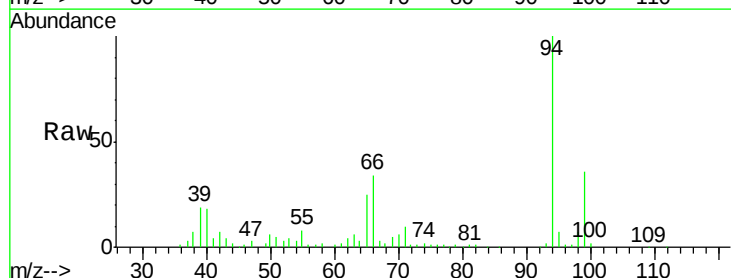
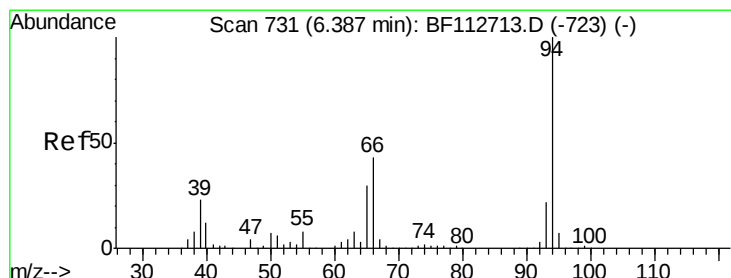
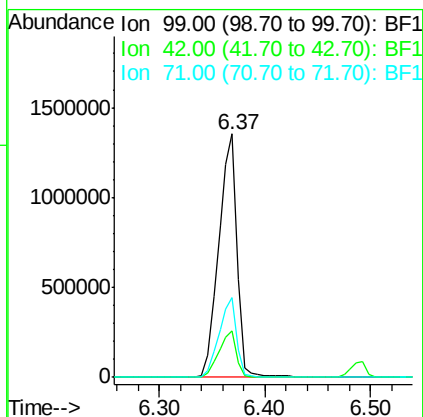
BNA_F

ClientSampleId :

CS-4

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#10

Phenol

Concen: 6.725 ng

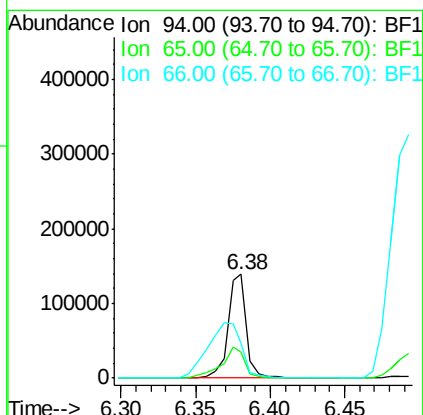
RT: 6.38 min Scan# 730

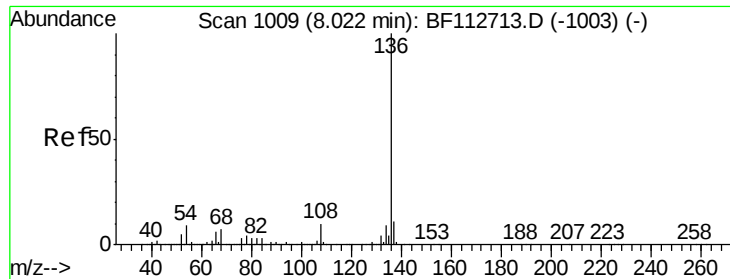
Delta R.T. -0.01 min

Lab File: BF113241.D

Acq: 22 Mar 2019 18:20

Tgt Ion:	94	Resp:	122285
Ion	Ratio	Lower	Upper
94	100		
65	25.0	10.5	50.5
66	34.0	22.6	62.6





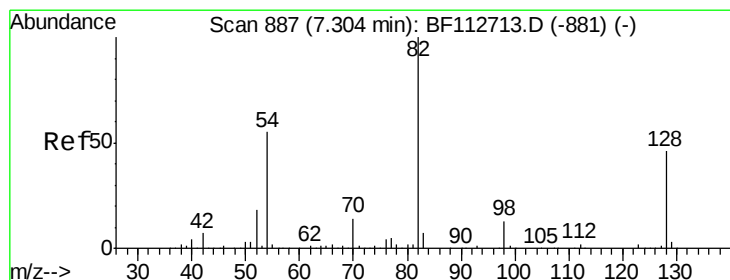
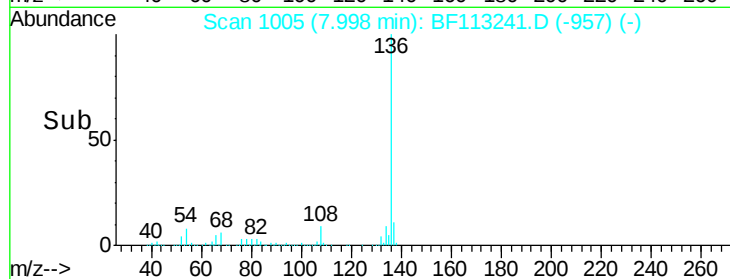
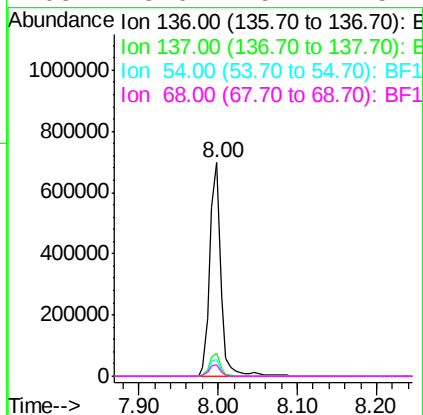
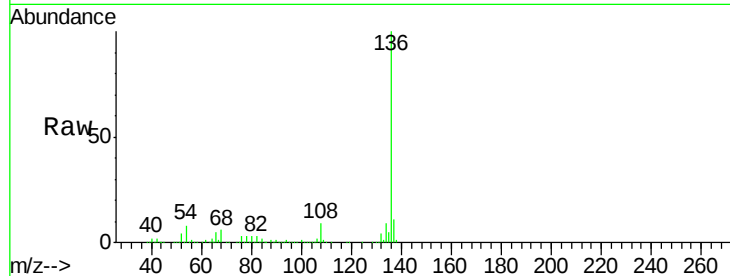
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Instrument :
BNA_F
ClientSampled :
CS-4

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	677626		
137	10.9	8.9	13.3	
54	7.6	7.3	10.9	
68	5.6	5.4	8.2	

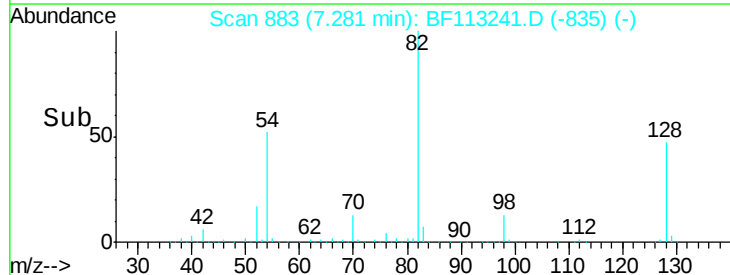
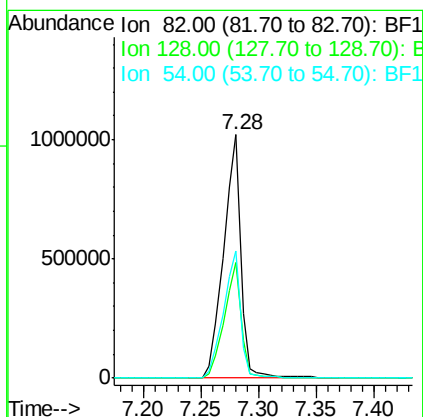
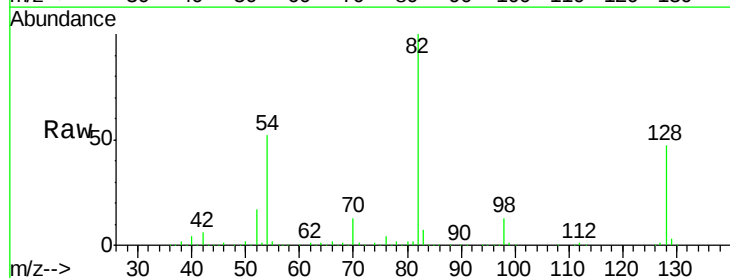
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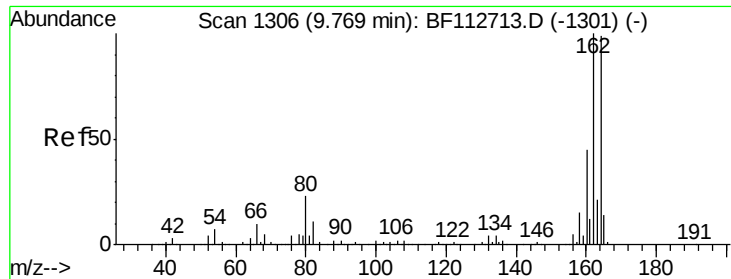
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#23
Nitrobenzene-d5
Concen: 93.886 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1063198		
128	47.5	36.3	54.5	
54	52.4	43.7	65.5	





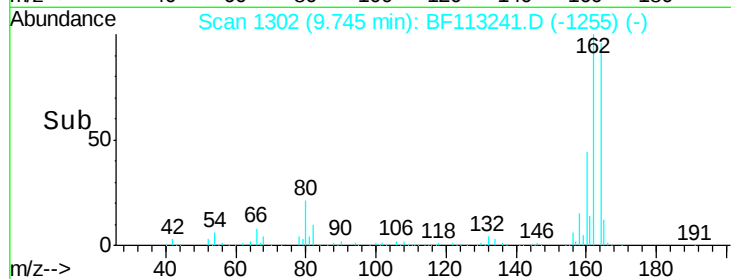
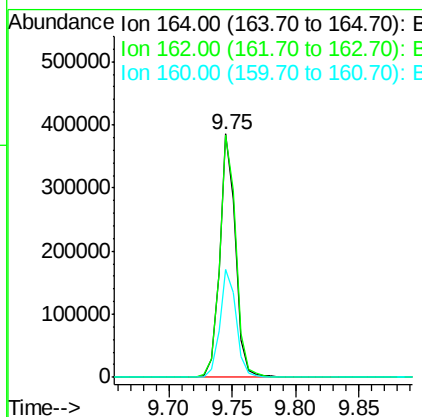
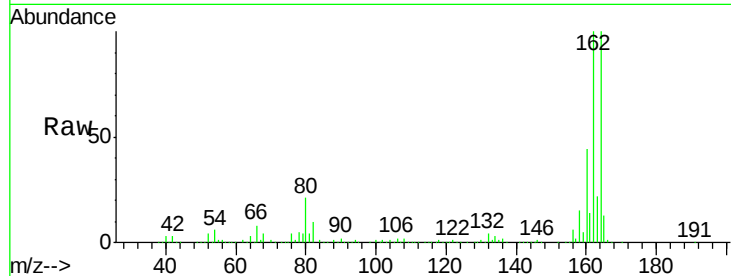
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Instrument :
BNA_F
ClientSampled :
CS-4

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.7	80.6	120.8	
160	44.2	36.0	54.0	

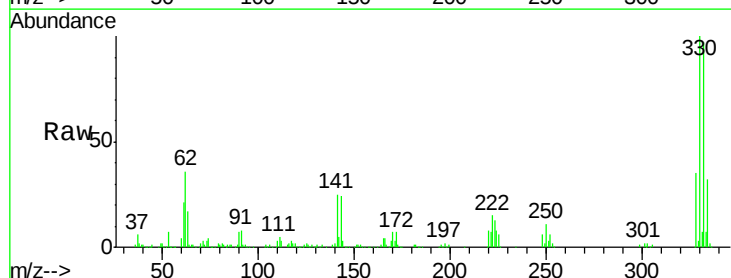
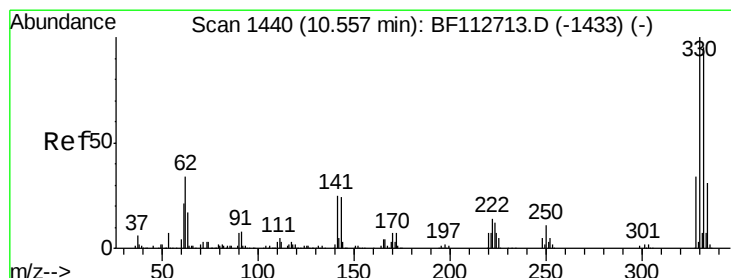
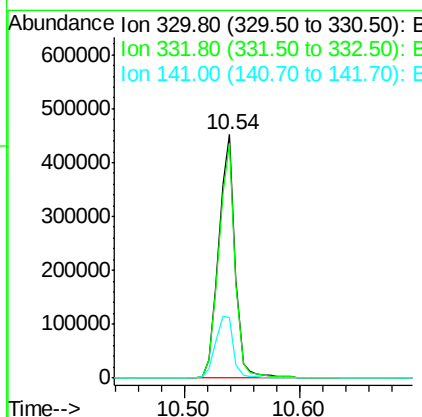
Manual Integrations
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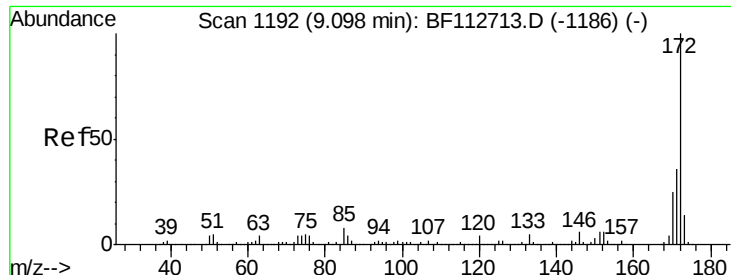
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#42
2,4,6-Tribromophenol
Concen: 125.152 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	76.2	114.4	
141	27.5	27.0	40.6	





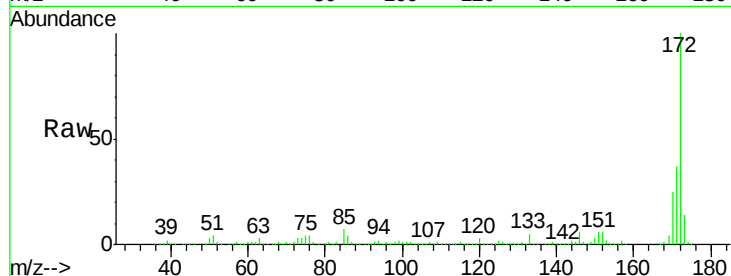
#45
2-Fluorobiphenyl
Concen: 72.790 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.02 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Instrument :
BNA_F
ClientSampleId :
CS-4

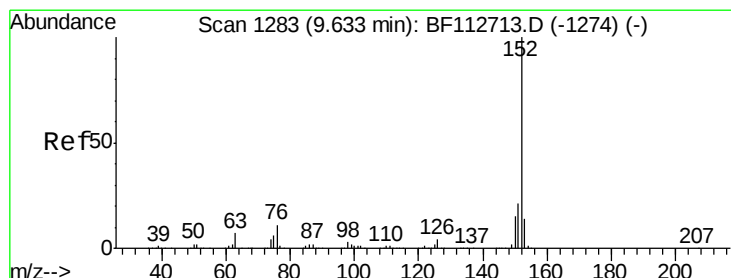
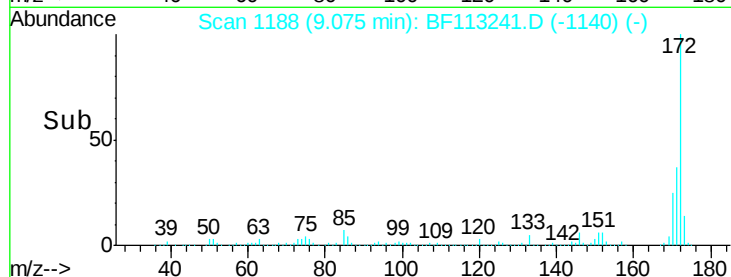
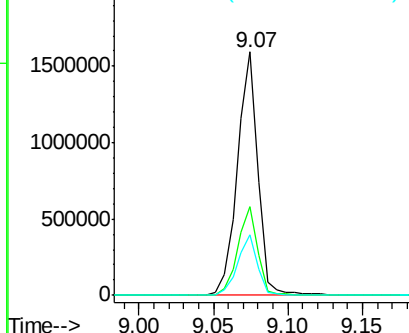
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	25.1	20.0	30.0

Manual Integrations
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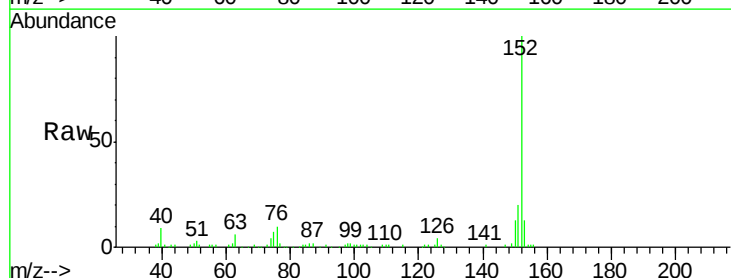


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

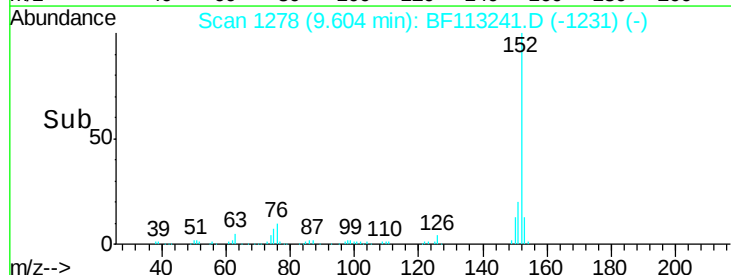
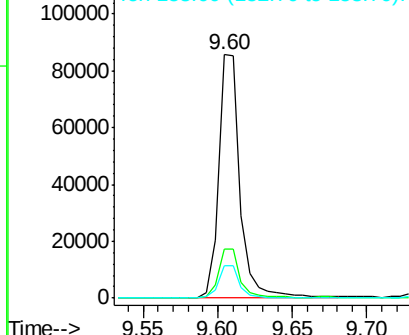


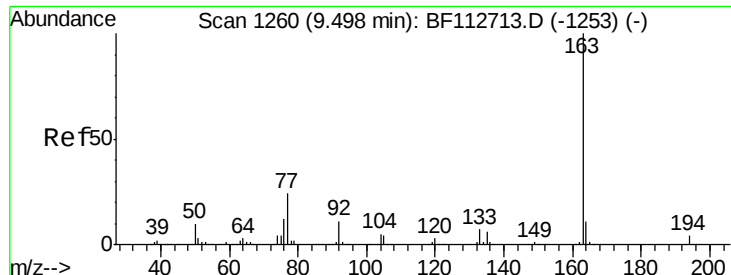
#49
Acenaphthylene
Concen: 2.376 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.9	25.3
153	13.4	11.0	16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





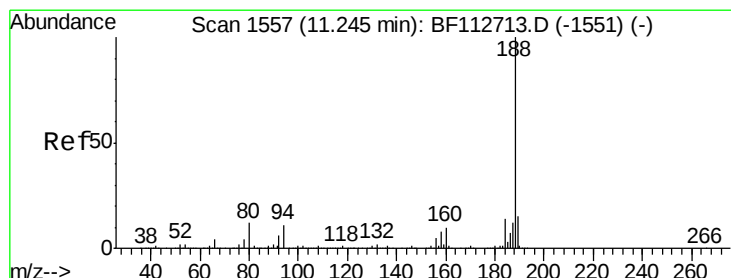
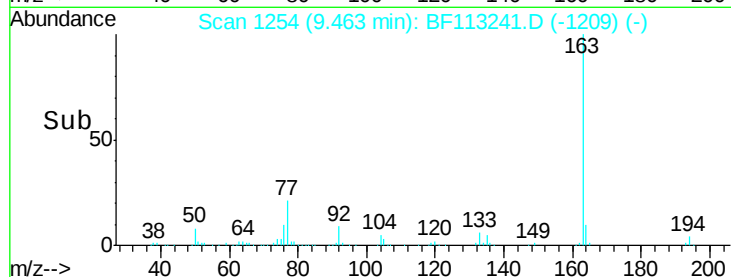
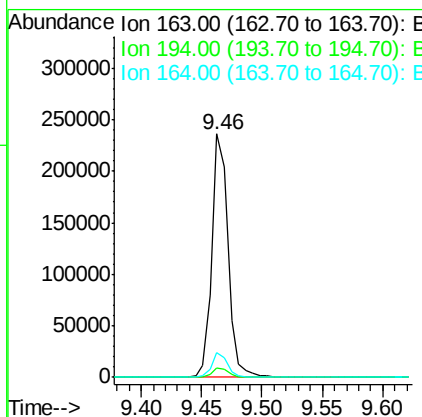
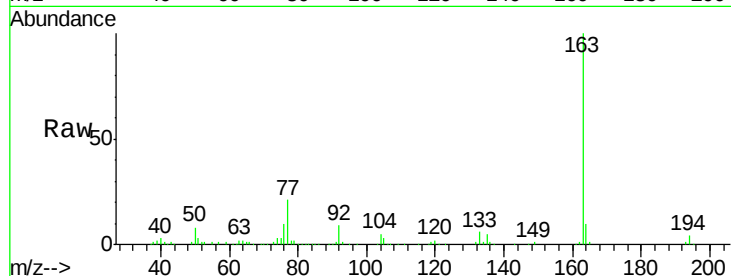
#50
Dimethylphthalate
Concen: 8.827 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.04 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Instrument :
BNA_F
ClientSampleId :
CS-4

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	218785		
194	3.7		3.0	4.4
164	10.2		8.4	12.6

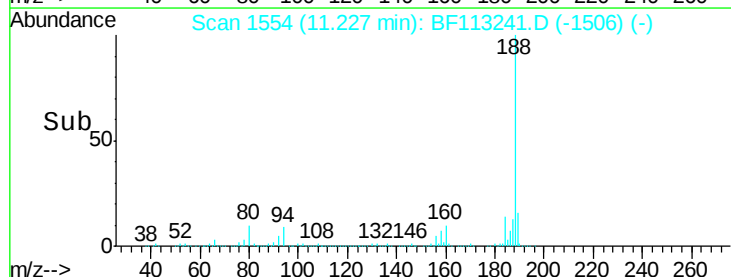
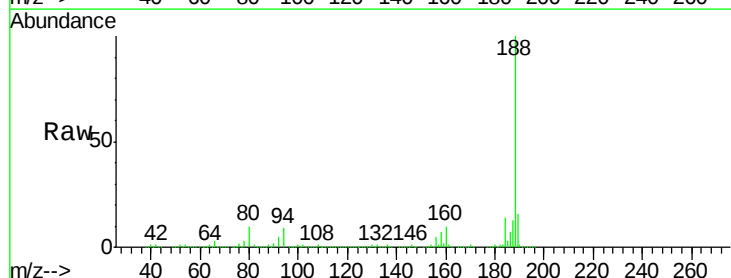
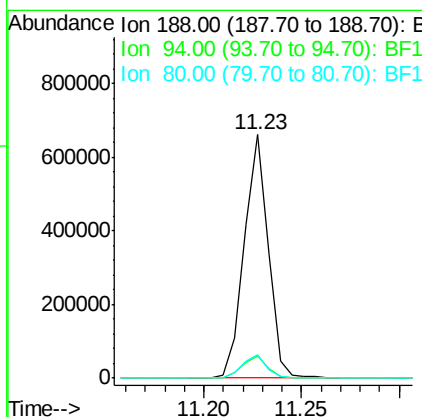
Manual Integrations
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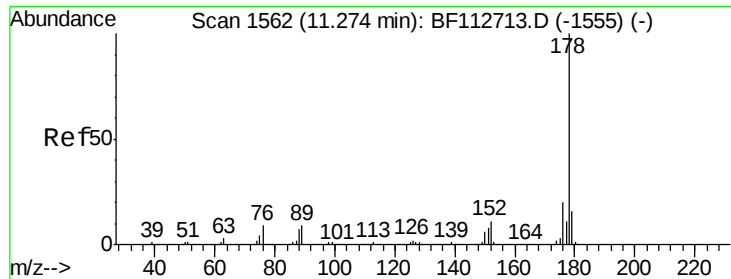
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	566582		
94	9.1		9.0	13.4
80	9.7		9.2	13.8





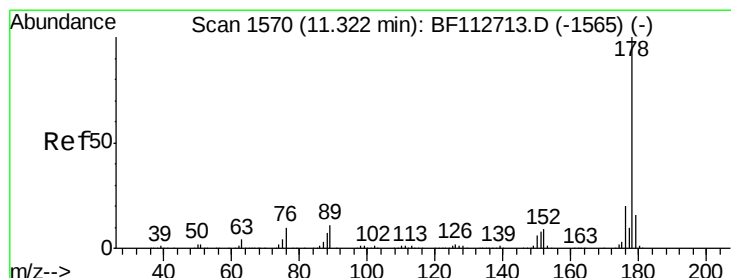
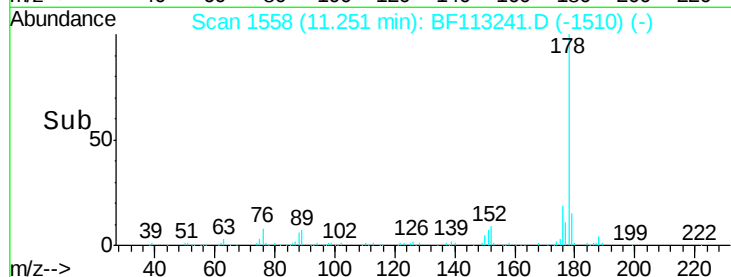
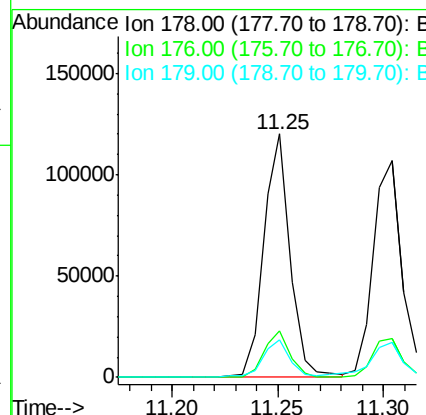
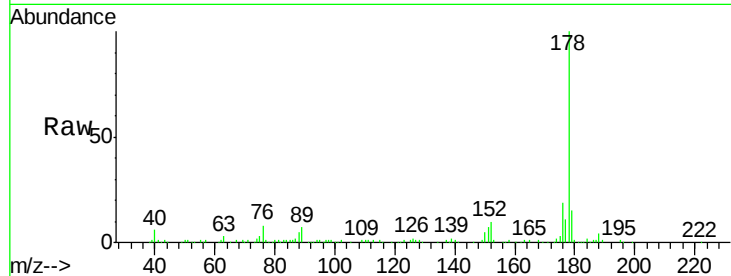
#71
Phenanthrene
Concen: 3.714 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Instrument :
BNA_F
ClientSampleId :
CS-4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.3	24.5
179	15.4	12.7	19.1

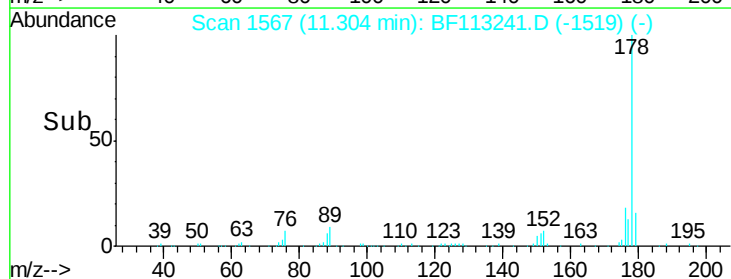
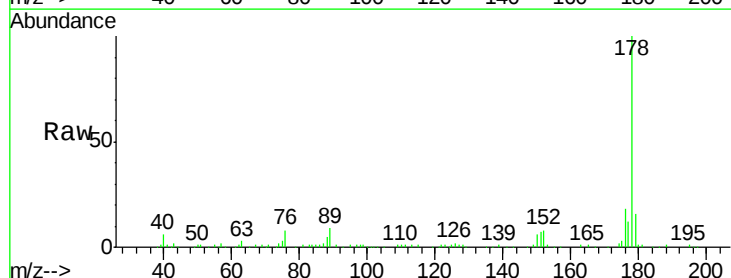
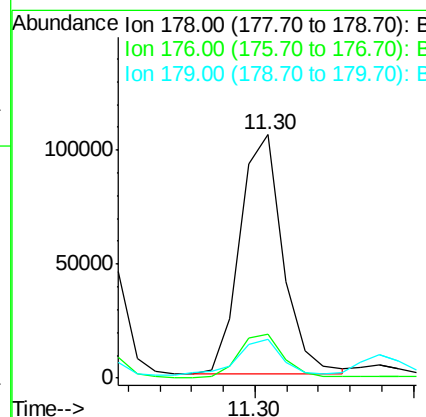
Manual Integrations
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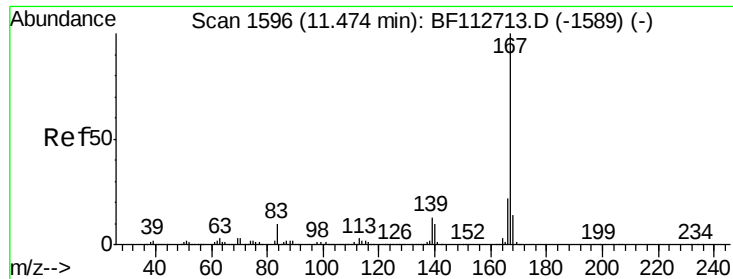
Sohil
3/25/2019 6:32:14 PM



#72
Anthracene
Concen: 3.350 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.6
179	16.1	13.0	19.6





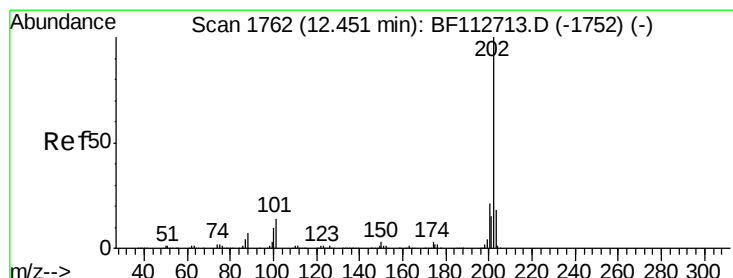
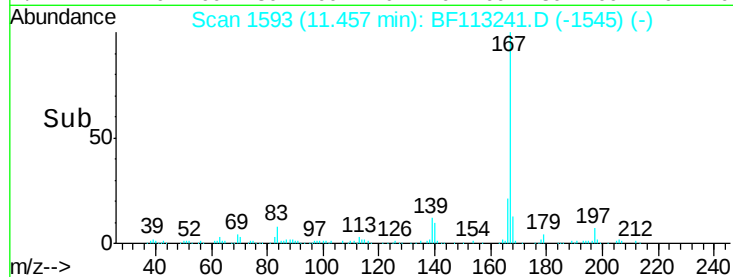
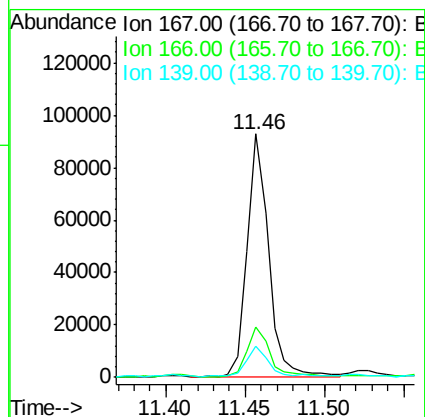
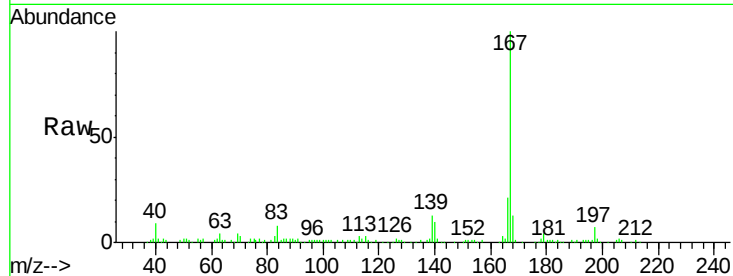
#73
 Carbazole
 Concen: 3.066 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.02 min
 Lab File: BF113241.D
 Acq: 22 Mar 2019 18:20

Instrument :
 BNA_F
 ClientSampleId :
 CS-4

Tgt Ion:	167	Resp:	88247
Ion Ratio	Lower	Upper	
167	100		
166	20.9	17.5	26.3
139	12.6	10.8	16.2

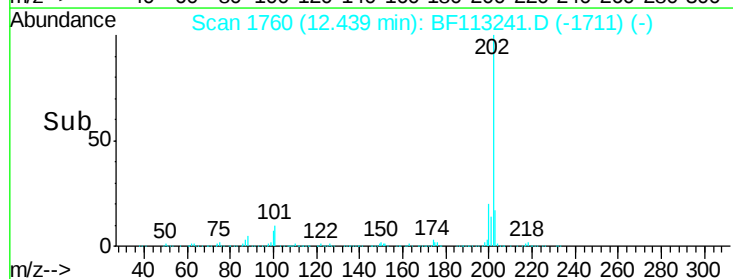
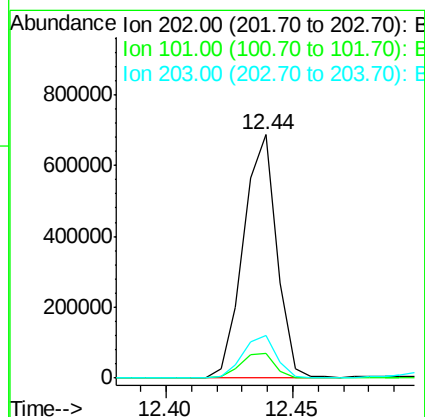
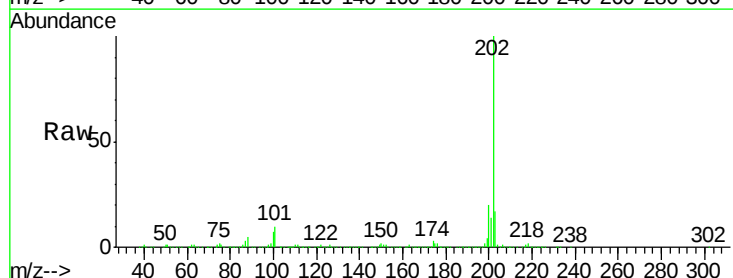
Manual Integrations
 APPROVED

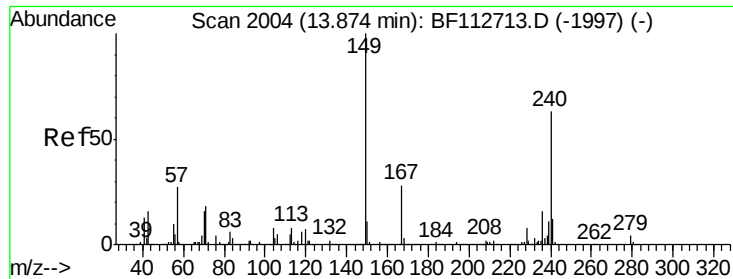
Sohil
 3/25/2019 6:32:14 PM



#75
 Fluoranthene
 Concen: 20.754 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BF113241.D
 Acq: 22 Mar 2019 18:20

Tgt Ion:	202	Resp:	626802
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	33.8
203	17.4	0.0	38.4





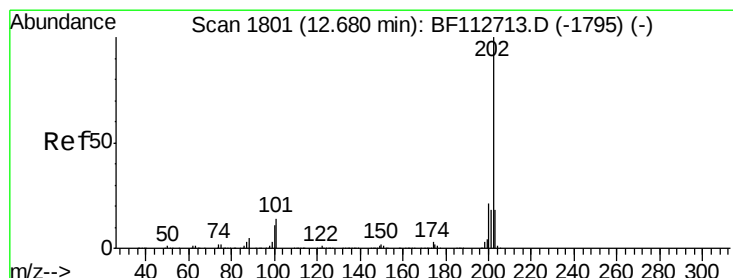
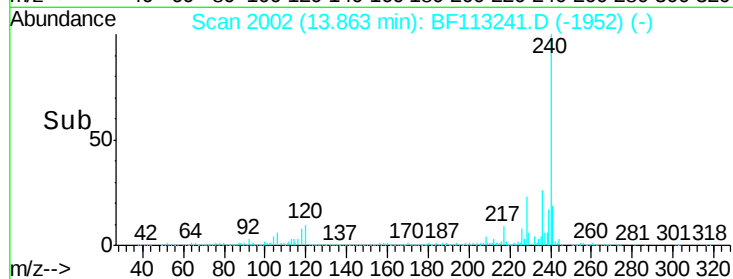
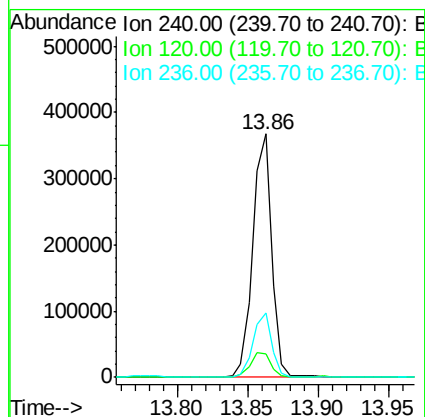
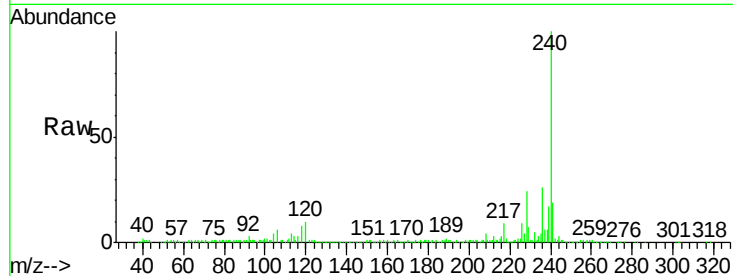
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Instrument :
BNA_F
ClientSampled :
CS-4

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.8	8.9	13.3
236	26.2	20.7	31.1

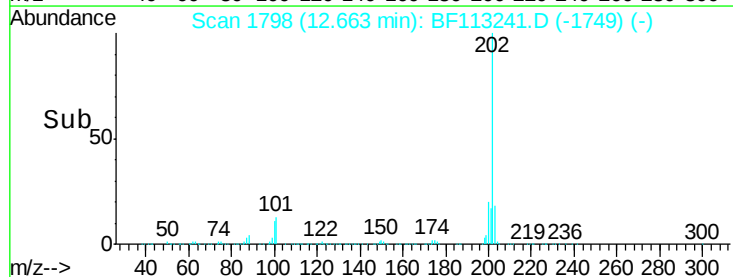
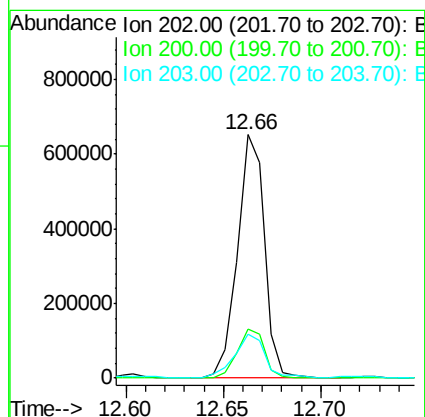
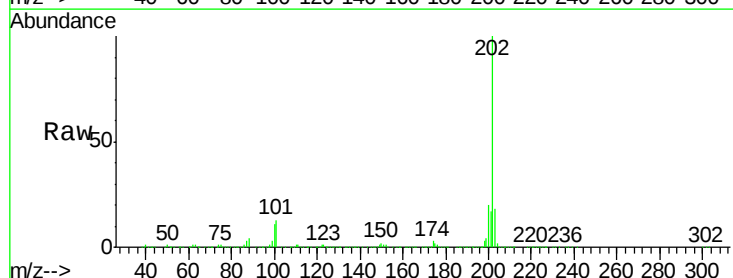
Manual Integrations
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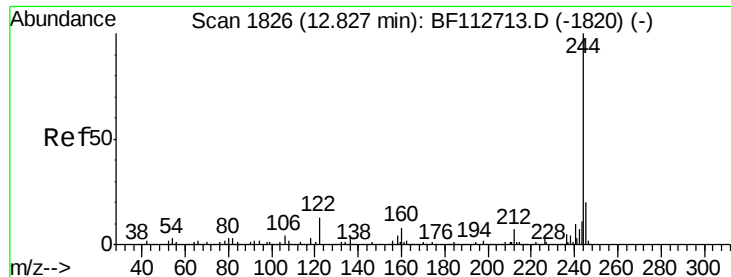
Sohil
3/25/2019 6:32:14 PM



#78
Pyrene
Concen: 21.291 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.3	17.0	25.4
203	18.0	14.4	21.6





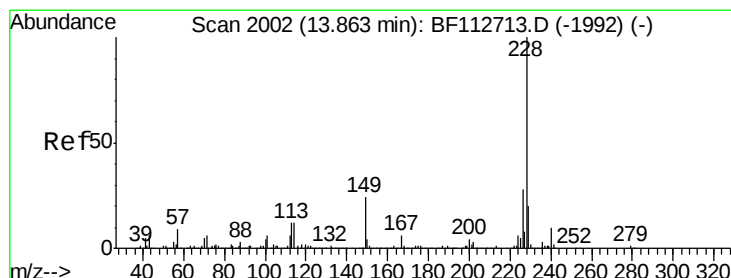
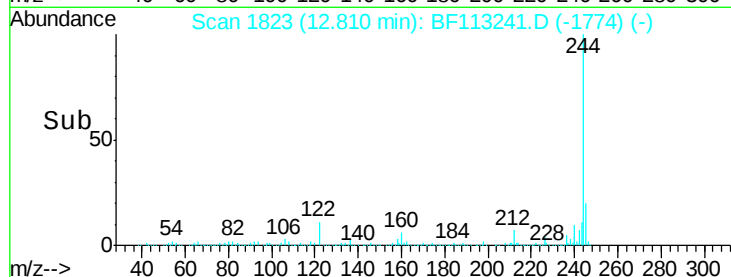
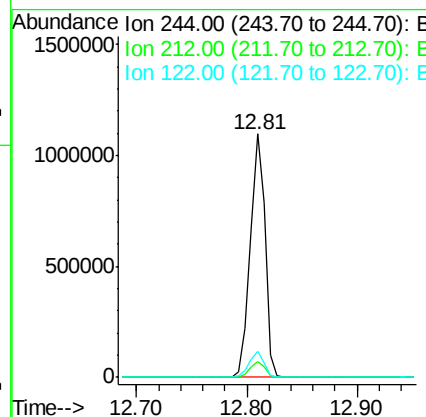
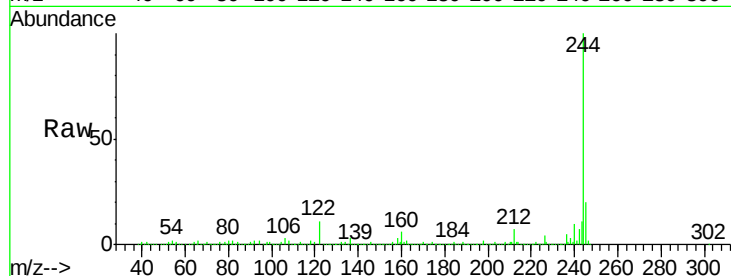
#79
 Terphenyl-d14
 Concen: 57.774 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF113241.D
 Acq: 22 Mar 2019 18:20

Instrument :
 BNA_F
 ClientSampled :
 CS-4

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	10.9	10.5	15.7

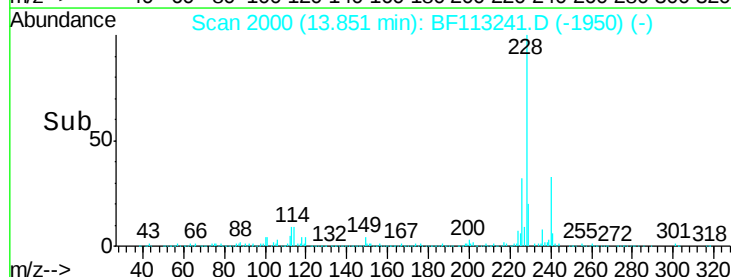
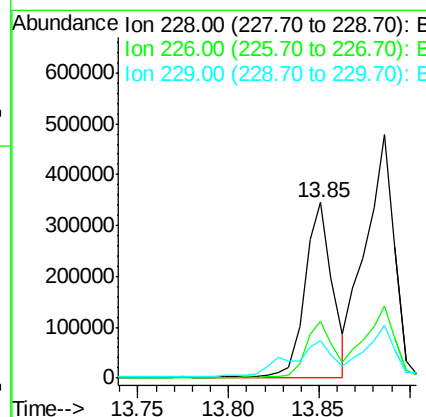
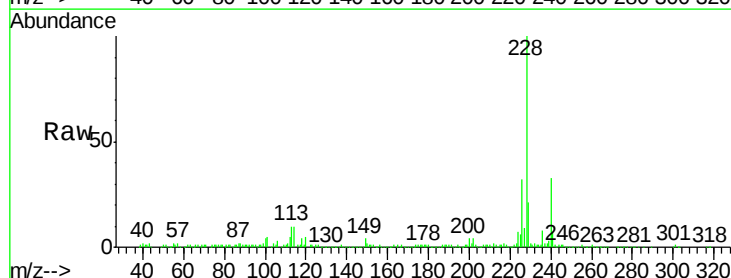
Manual Integrations
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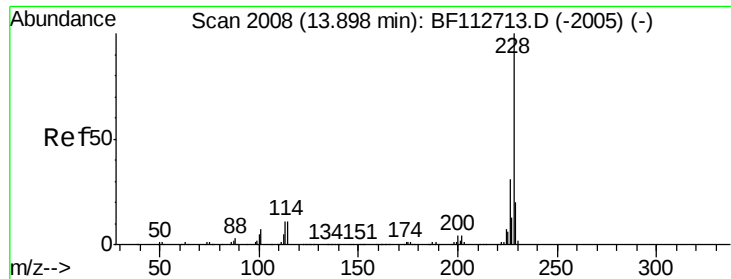
Sohil
 3/25/2019 6:32:14 PM



#81
 Benzo(a)anthracene
 Concen: 15.193 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF113241.D
 Acq: 22 Mar 2019 18:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.2	33.4
229	21.5	16.0	24.0





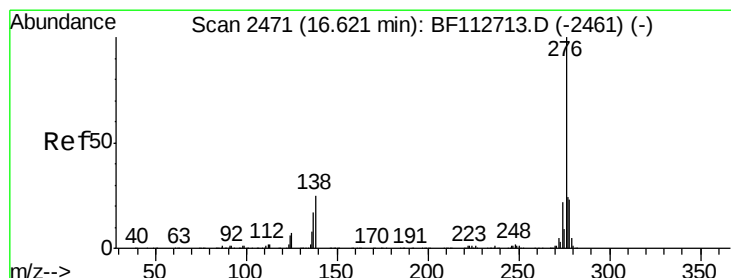
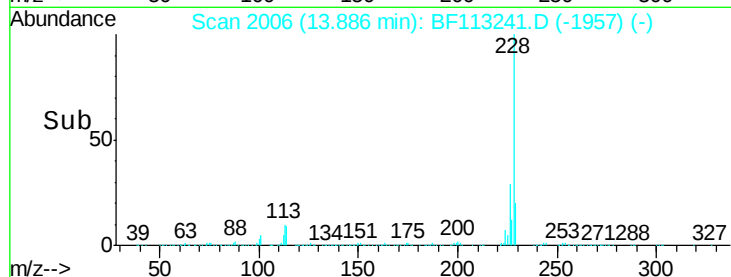
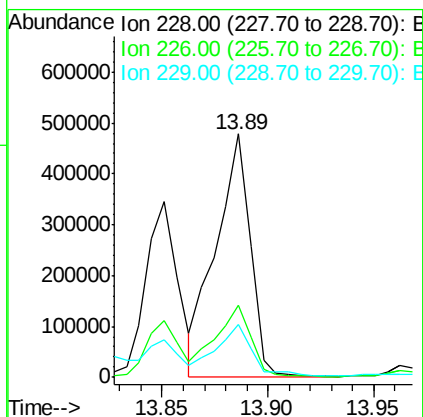
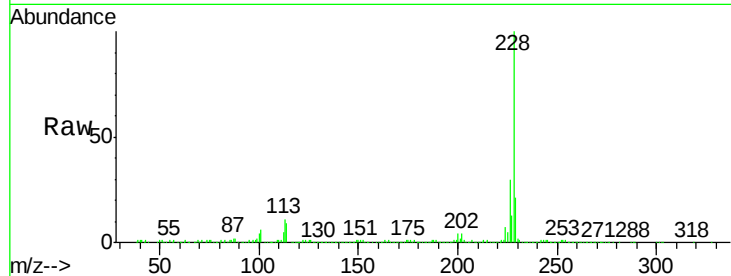
#83
Chrysene
Concen: 22.791 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Instrument :
BNA_F
ClientSampleId :
CS-4

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	536697		
226	29.8		24.9	37.3
229	21.5		16.3	24.5

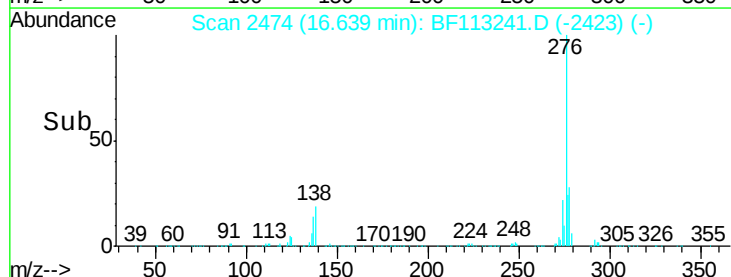
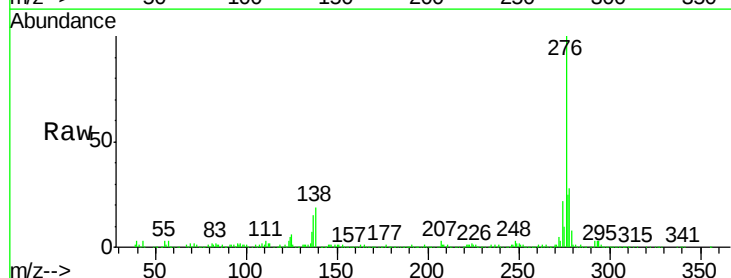
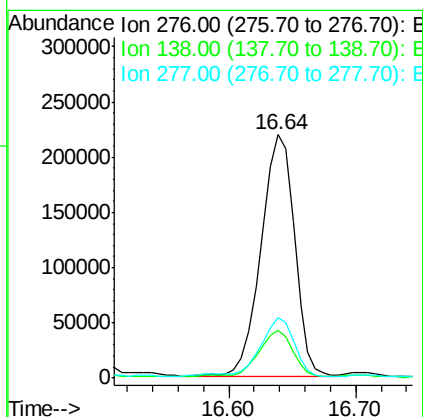
Manual Integrations
APPROVED

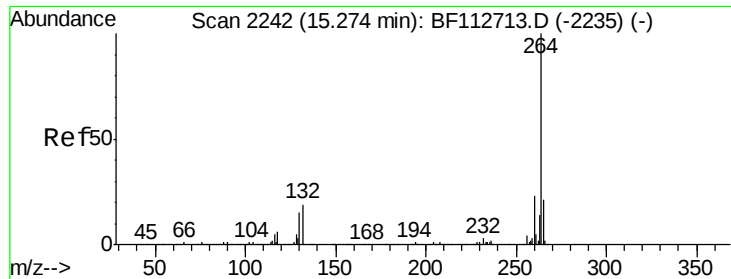
Sohil
3/25/2019 6:32:14 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 20.293 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.00 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	407405		
138	19.2		23.2	34.8#
277	24.8		19.9	29.9





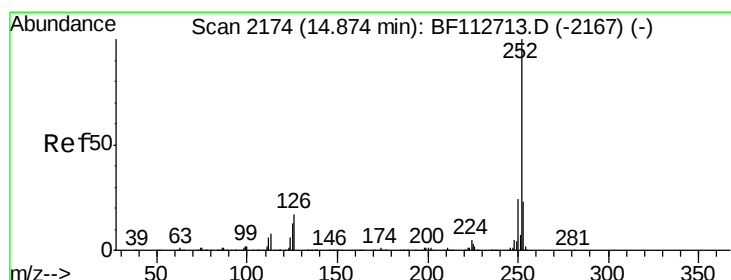
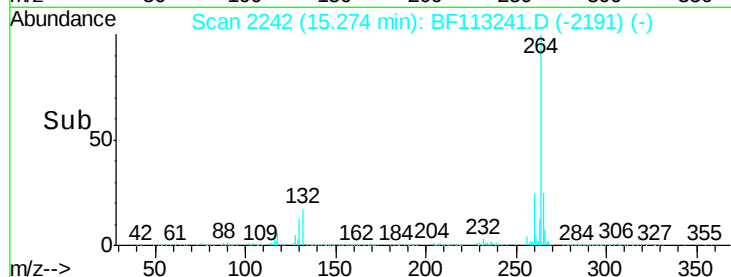
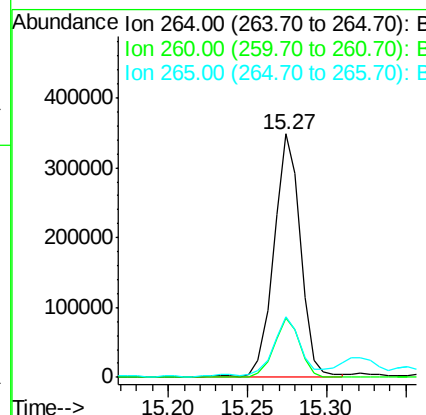
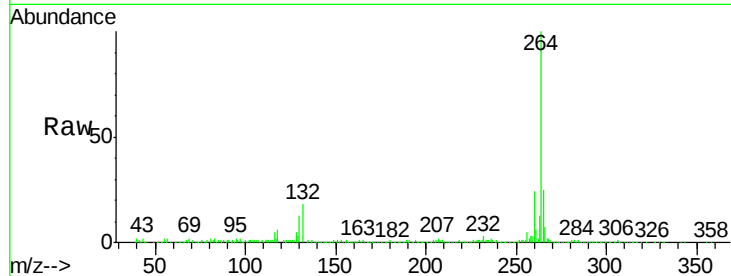
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Instrument :
BNA_F
ClientSampleId :
CS-4

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	25.0	17.2	25.8

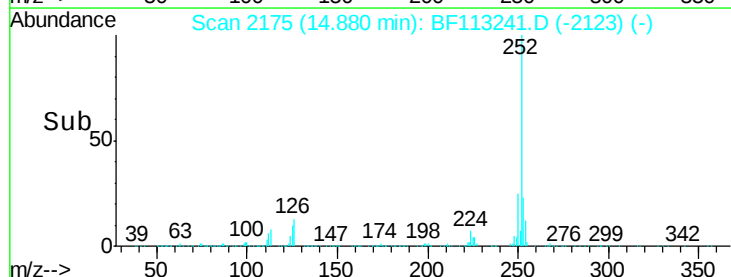
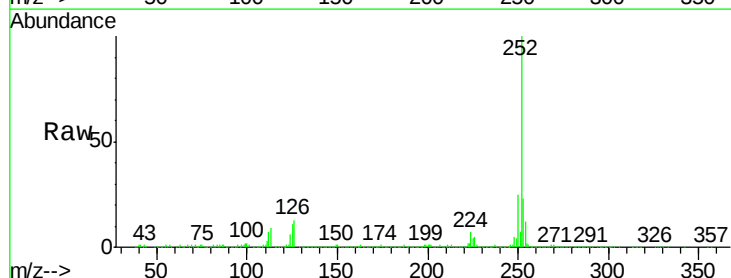
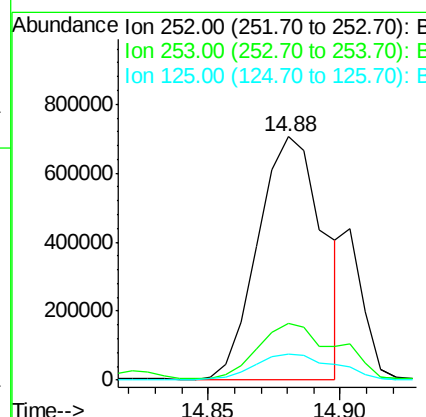
Manual Integrations
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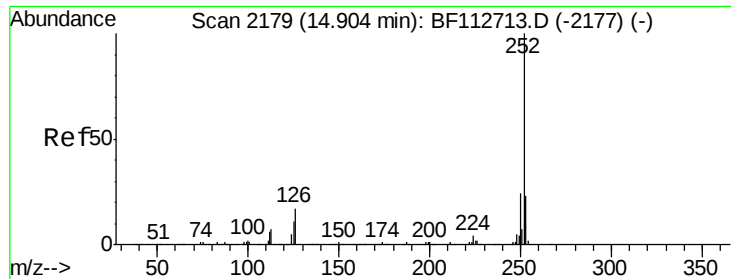
Sohil
3/25/2019 6:32:14 PM



#88
Benzo(b)fluoranthene
Concen: 46.006 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	10.7	10.2	15.2





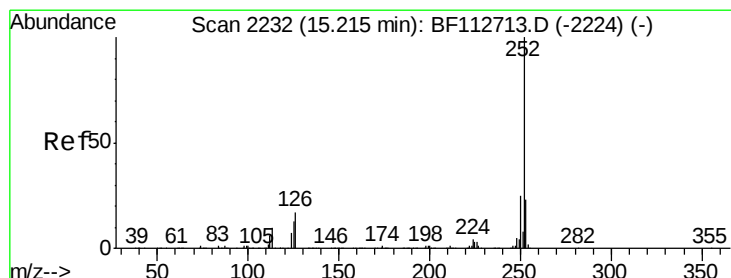
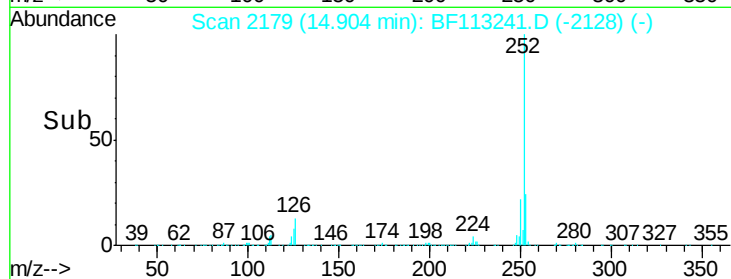
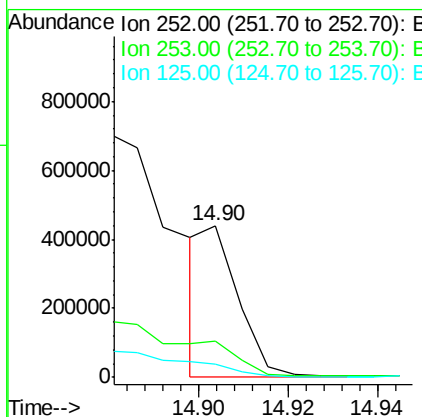
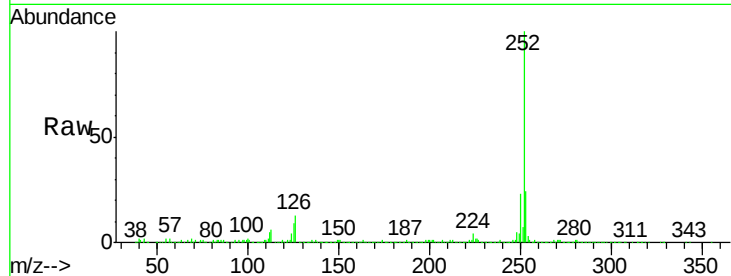
#89
Benzo(k)fluoranthene
Concen: 10.100 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Instrument :
BNA_F
ClientSampled :
CS-4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	8.7	9.8	14.6

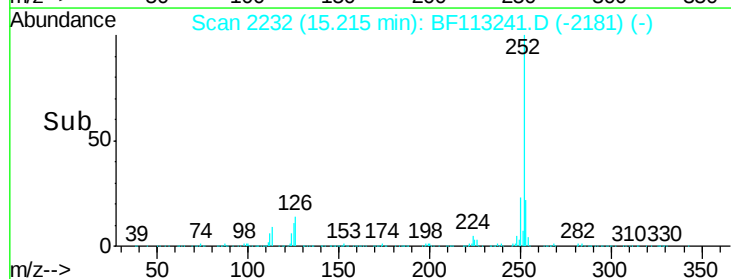
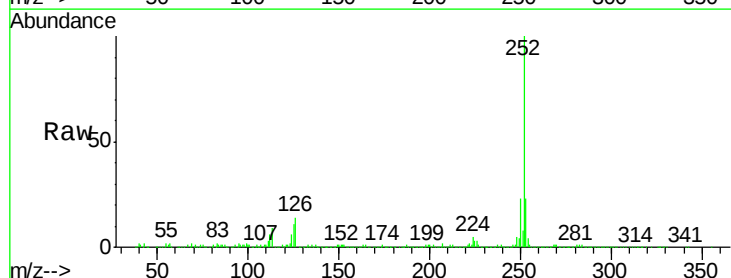
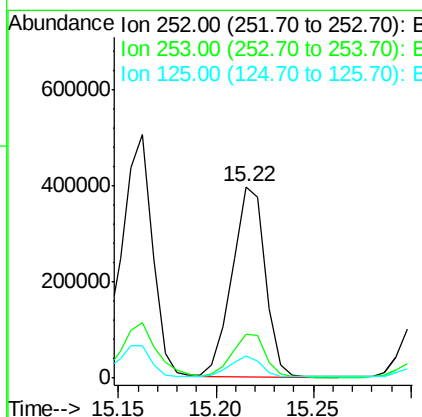
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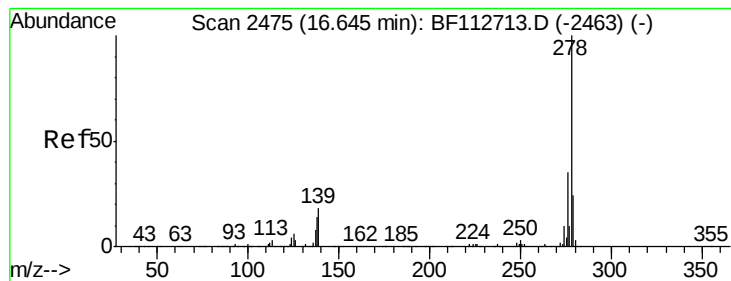
Sohil
3/25/2019 6:32:14 PM



#90
Benzo(a)pyrene
Concen: 20.126 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF113241.D
Acq: 22 Mar 2019 18:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	11.3	10.7	16.1





#91

Dibenzo(a,h)anthracene

Concen: 6.803 ng

RT: 16.64 min Scan# 2475

Delta R.T. -0.01 min

Lab File: BF113241.D

Acq: 22 Mar 2019 18:20

Instrument :

BNA_F

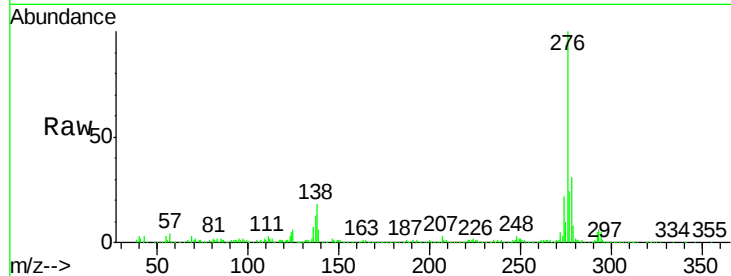
ClientSampled :

CS-4

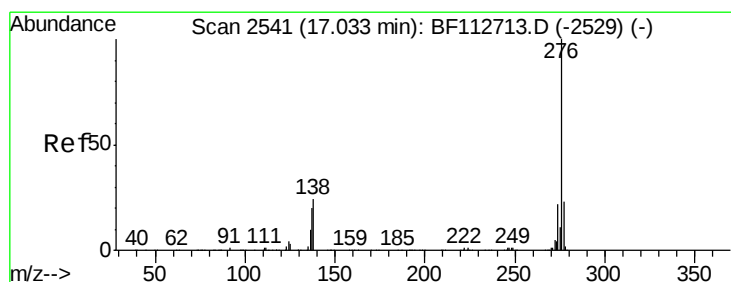
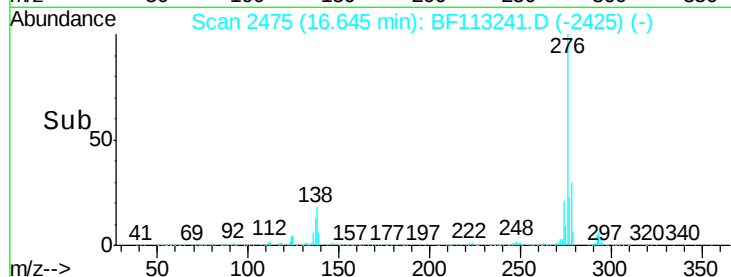
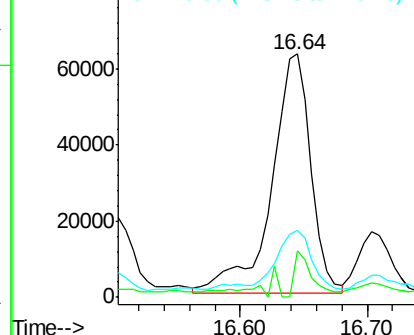
Tgt Ion:	278	Resp:	135328
Ion Ratio	Lower	Upper	
278	100		
139	19.0	14.3	21.5
279	27.4	19.4	29.0

Manual Integrations
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3/25/2019 6:32:14 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 17.162 ng

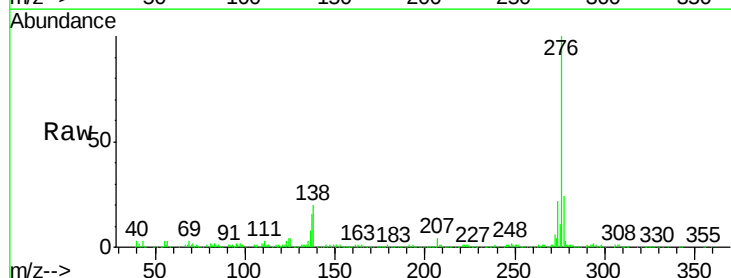
RT: 17.05 min Scan# 2544

Delta R.T. 0.01 min

Lab File: BF113241.D

Acq: 22 Mar 2019 18:20

Tgt Ion:	276	Resp:	342838
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.6	27.8
138	20.0	19.4	29.0



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

