

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
 Data File : BF113244.D
 Acq On : 22 Mar 2019 19:45
 Operator : JU/SJ
 Sample : K2024-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RCA-09

Manual Integrations
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Sohil
 3/25/2019 6:32:21 PM

Quant Time: Mar 23 00:45:09 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	169831	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	648950	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	300559	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	486771	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	399510	20.00	ng	-0.01
87) Perylene-d12	15.27	264	447256	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	576533	52.81	ng	-0.01
7) Phenol-d6	6.36	99	1017138	74.16	ng	-0.01
23) Nitrobenzene-d5	7.27	82	706681	65.16	ng	-0.02
42) 2,4,6-Tribromophenol	10.53	330	105398	33.03	ng	-0.02
45) 2-Fluorobiphenyl	9.07	172	1249276	64.66	ng	-0.02
79) Terphenyl-d14	12.81	244	1071008	51.97	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.02	128	119866	3.720	ng	98
50) Dimethylphthalate	9.46	163	102409	4.621	ng	# 99
52) Acenaphthene	9.78	154	51718	2.721	ng	96
55) Dibenzofuran	9.95	168	63853	2.312	ng	# 93
58) Fluorene	10.29	166	67651	3.451	ng	98
71) Phenanthrene	11.25	178	583608	24.097	ng	99
72) Anthracene	11.30	178	144005	5.680	ng	97
73) Carbazole	11.46	167	82547	3.338	ng	98
75) Fluoranthene	12.44	202	638359	24.602	ng	95
78) Pyrene	12.66	202	539626	16.022	ng	99
81) Benzo(a)anthracene	13.85	228	259177	9.360	ng	100
83) Chrysene	13.89	228	238026	8.776	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	119238	5.157	ng	# 88
88) Benzo(b)fluoranthene	14.87	252	299312m	10.346	ng	
89) Benzo(k)fluoranthene	14.90	252	114643m	4.375	ng	
90) Benzo(a)pyrene	15.22	252	223532	8.736	ng	96
92) Benzo(g,h,i)perylene	17.04	276	104768	4.778	ng	96

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

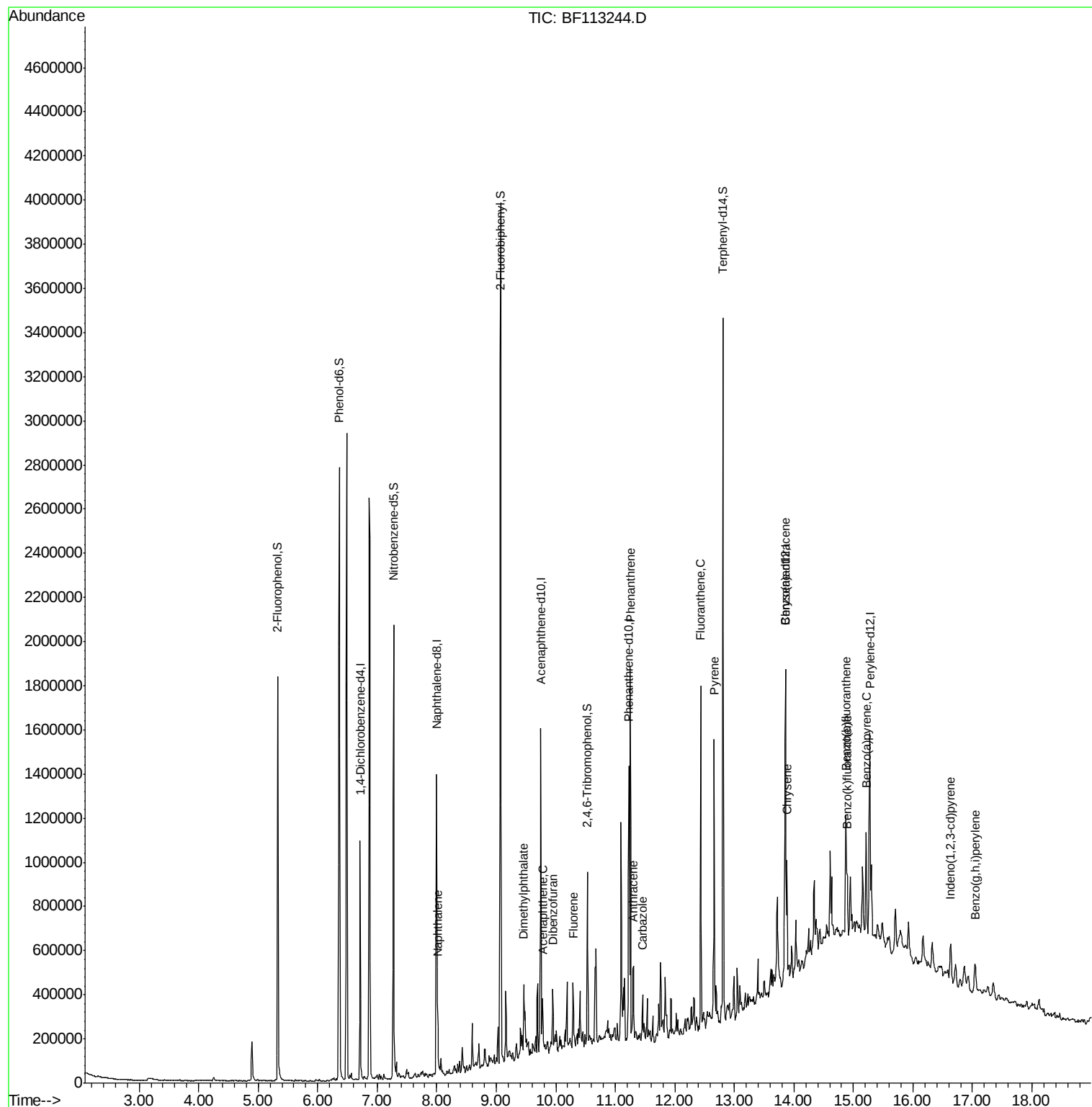
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
Data File : BF113244.D
Acq On : 22 Mar 2019 19:45
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ALS Vial : 17 Sample Multiplier: 1

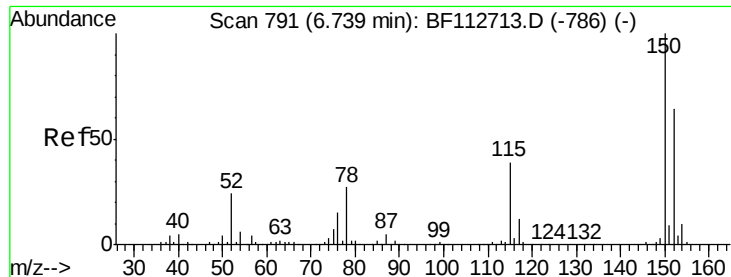
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

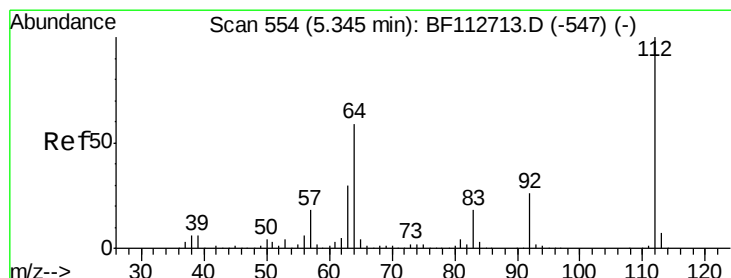
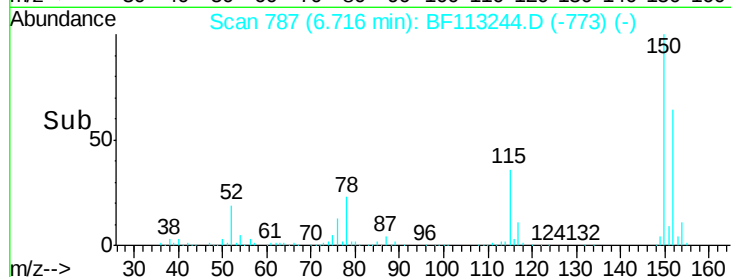
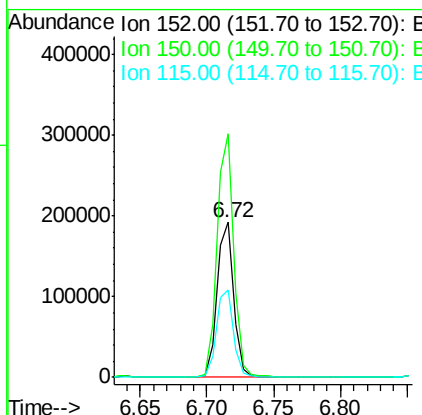
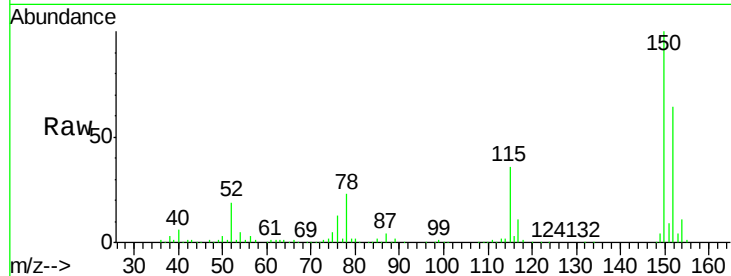
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Instrument :
BNA_F
ClientSampleId :
RCA-09

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.2	186.2
115	56.2	48.2	72.4

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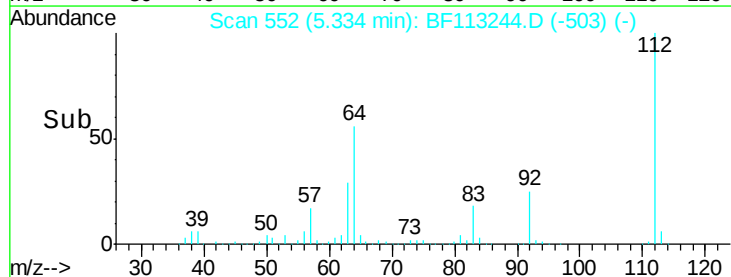
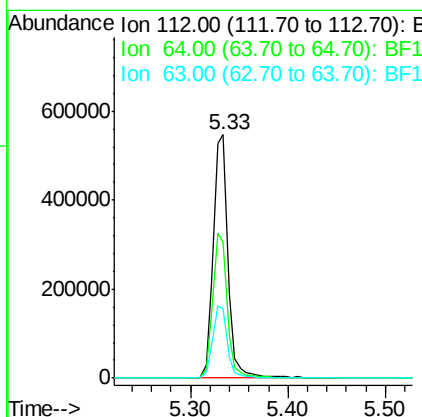
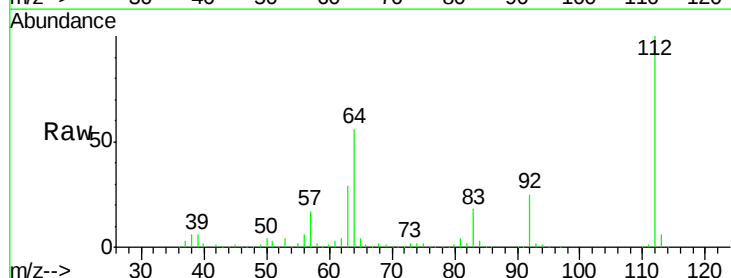
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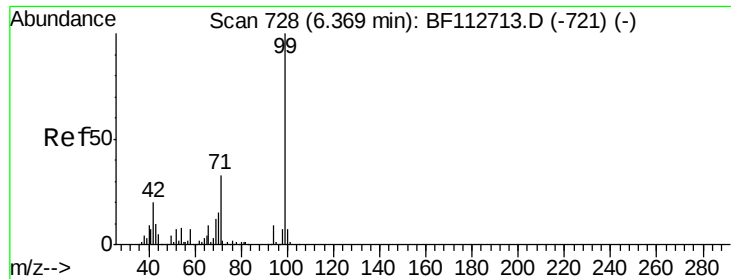


#5

2-Fluorophenol
Concen: 52.807 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.6	71.4
63	28.5	24.4	36.6





#7

Phenol-d6

Concen: 74.165 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113244.D

Acq: 22 Mar 2019 19:45

Instrument :

BNA_F

ClientSampleId :

RCA-09

Tgt Ion: 99 Resp: 1017138

Ion Ratio Lower Upper

99 100

42 19.2 16.3 24.5

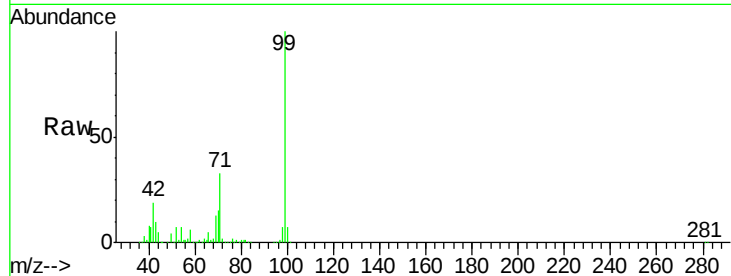
71 32.7 26.2 39.4

Manual Integrations

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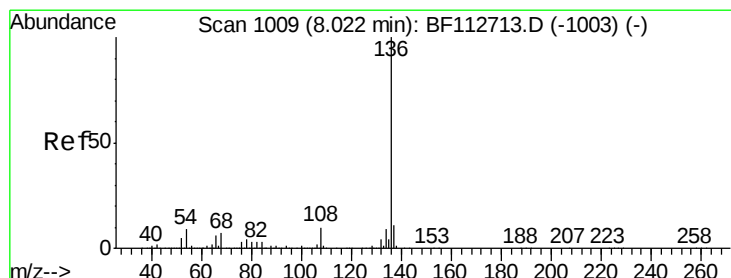
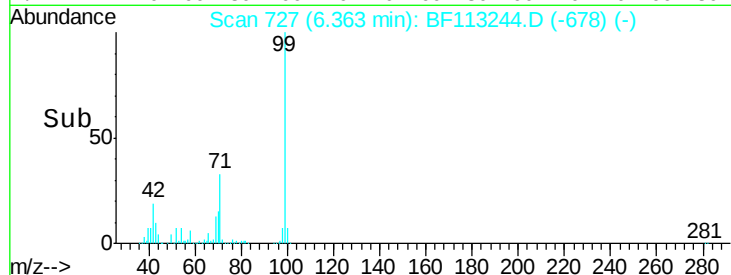
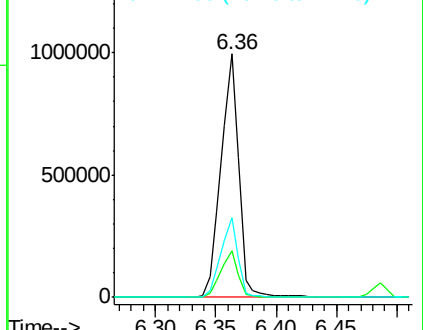
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.02 min

Lab File: BF113244.D

Acq: 22 Mar 2019 19:45

Tgt Ion: 136 Resp: 648950

Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.7 7.3 10.9

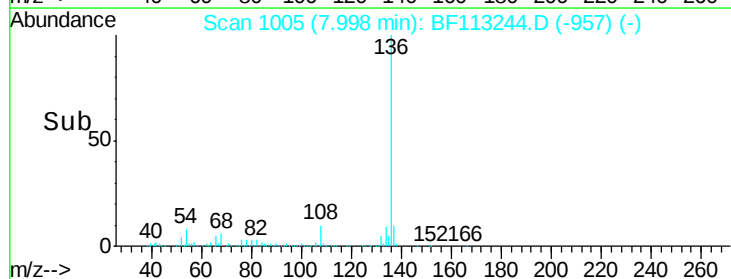
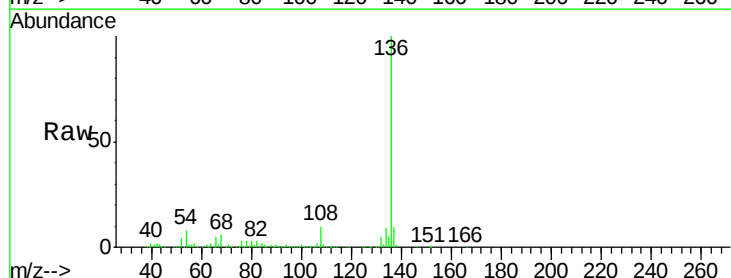
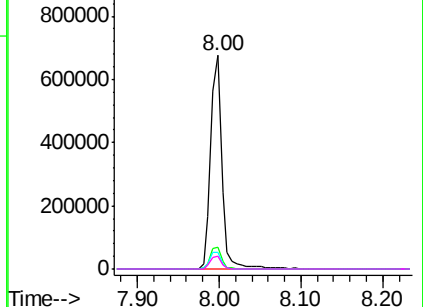
68 5.9 5.4 8.2

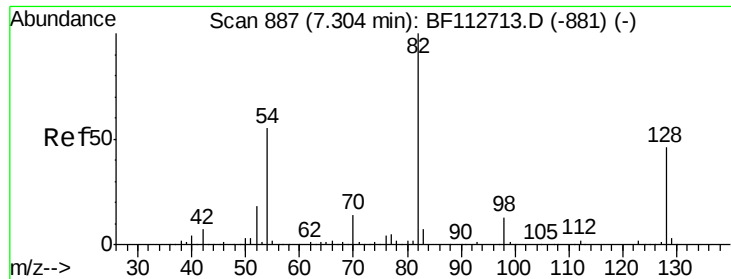
Abundance Ion 136.00 (135.70 to 136.70): E

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





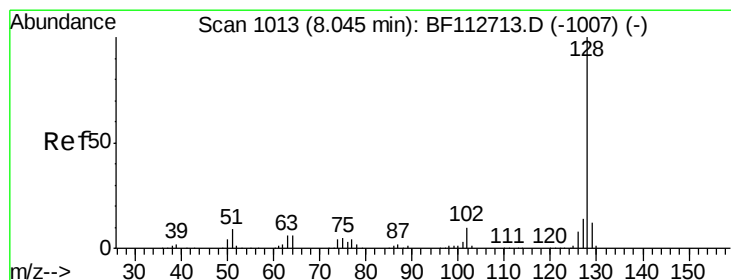
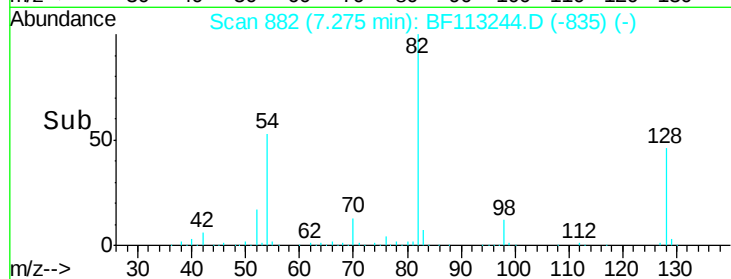
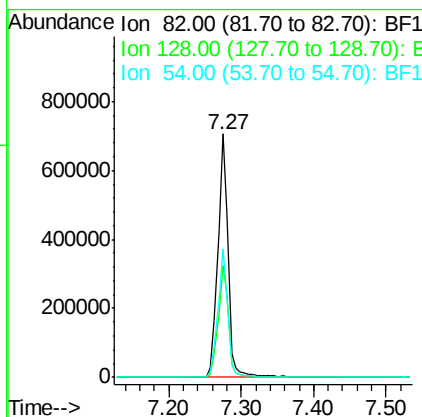
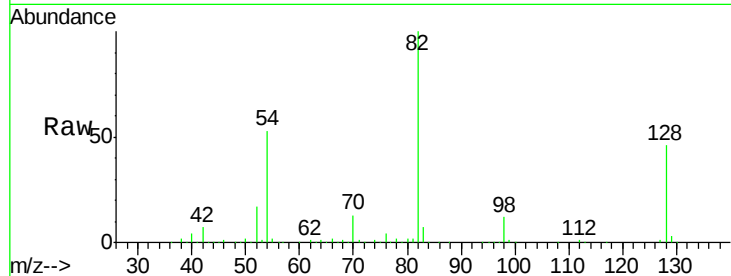
#23
Nitrobenzene-d5
Concen: 65.161 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Instrument :
BNA_F
ClientSampled :
RCA-09

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.3	54.5
54	52.7	43.7	65.5

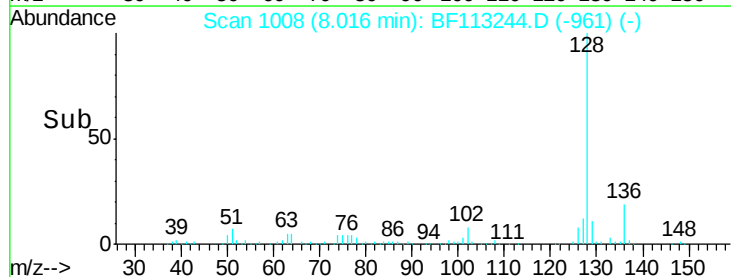
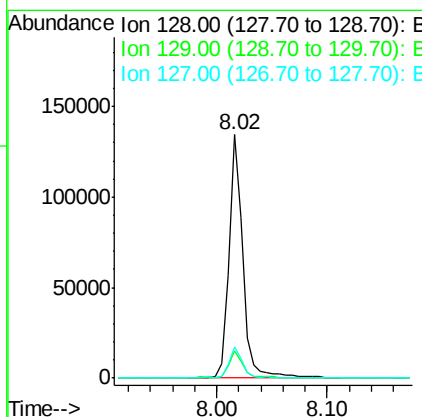
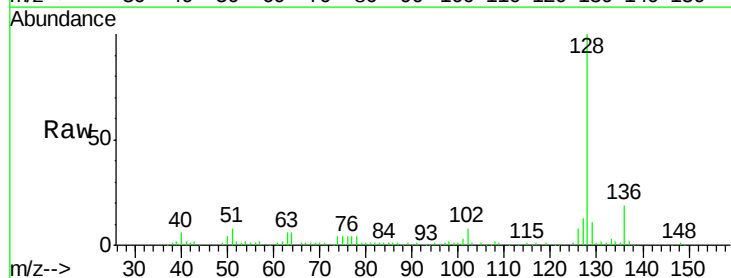
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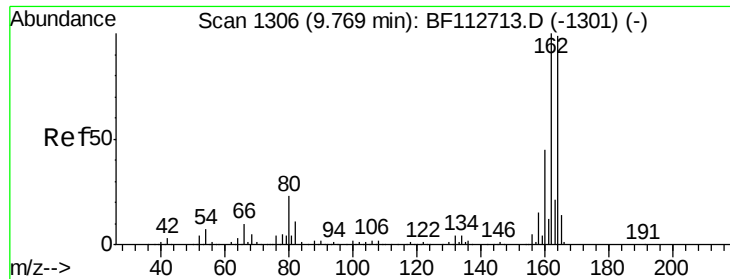
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#31
Naphthalene
Concen: 3.720 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	12.6	10.9	16.3





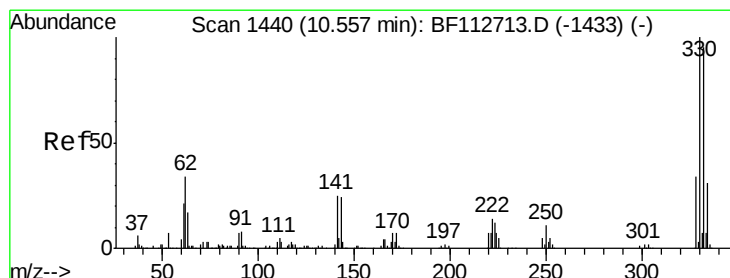
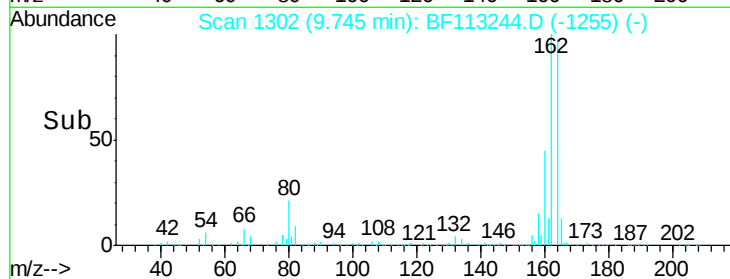
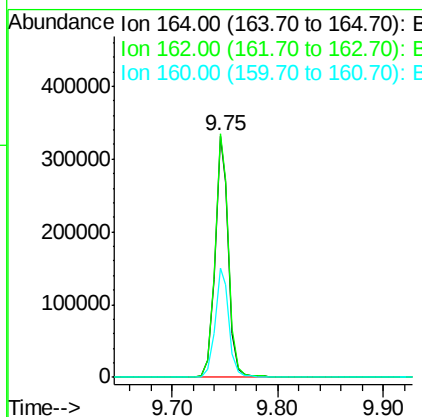
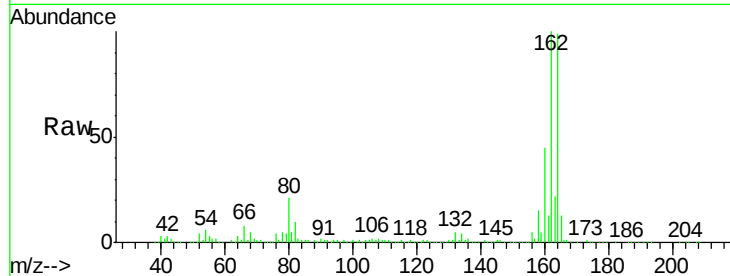
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Instrument :
BNA_F
ClientSampleId :
RCA-09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	300559		
162	100.9	80.6	120.8	
160	45.1	36.0	54.0	

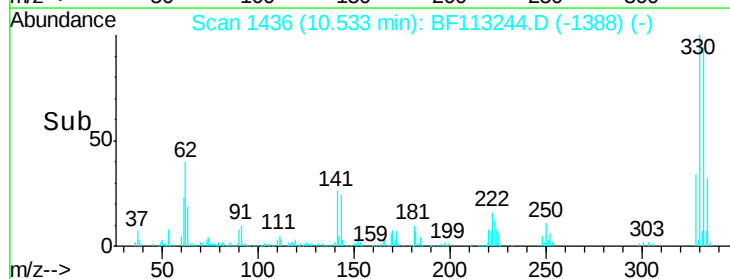
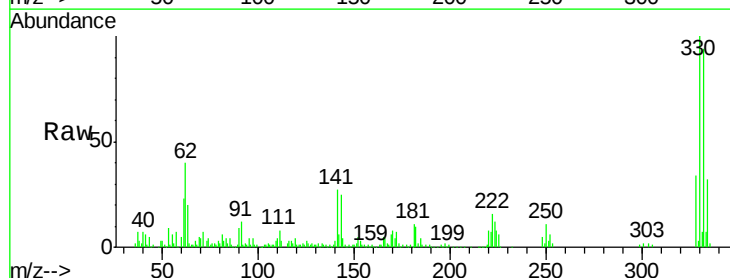
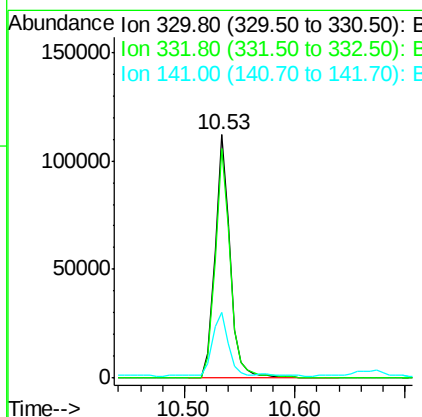
Manual Integrations
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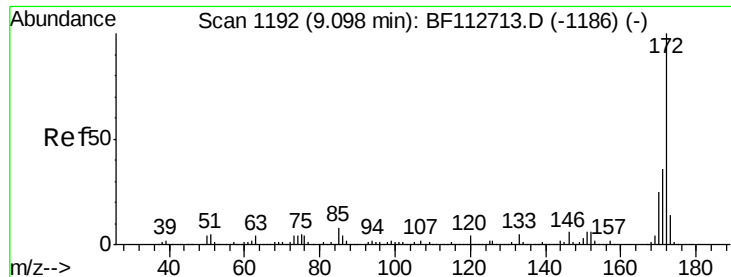
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#42
2,4,6-Tribromophenol
Concen: 33.032 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.02 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	105398		
332	94.6	76.2	114.4	
141	26.4	27.0	40.6	





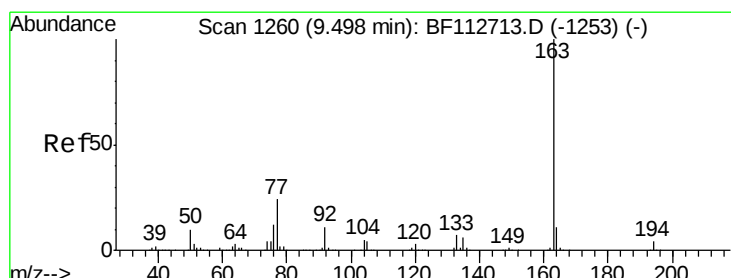
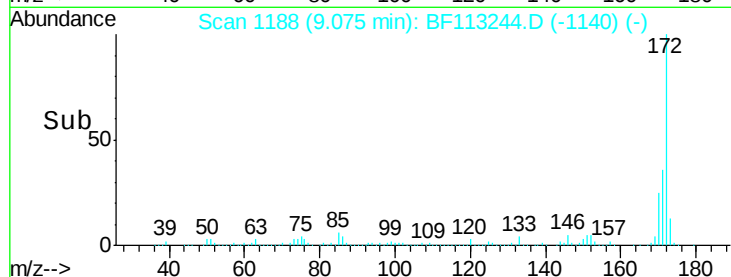
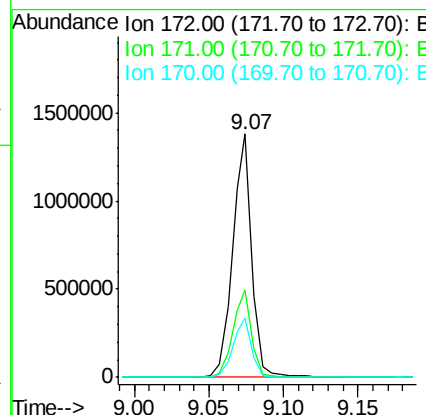
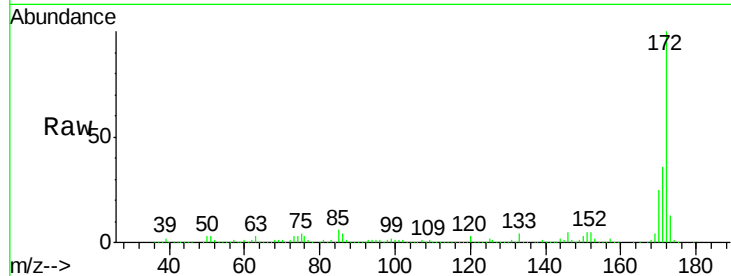
#45
2-Fluorobiphenyl
Concen: 64.655 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.02 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Instrument :
BNA_F
ClientSampleId :
RCA-09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.5	20.0	30.0

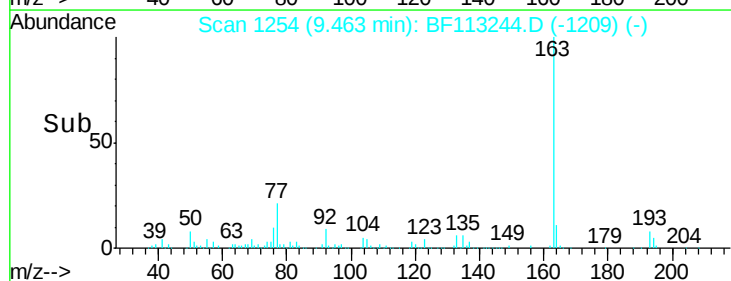
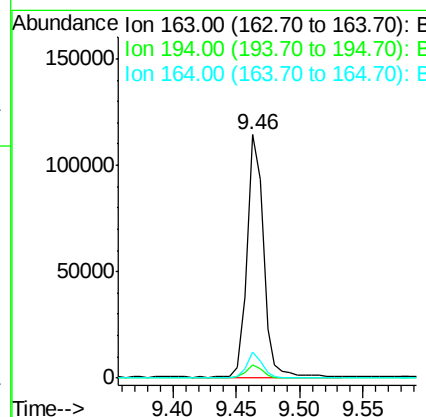
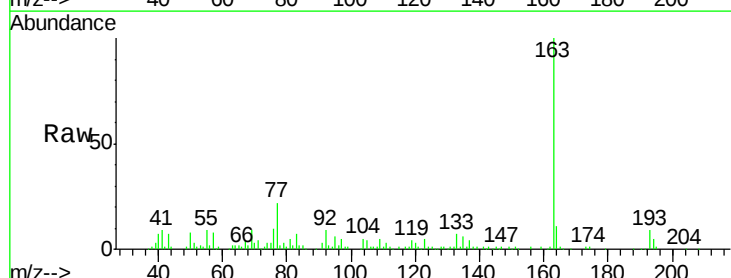
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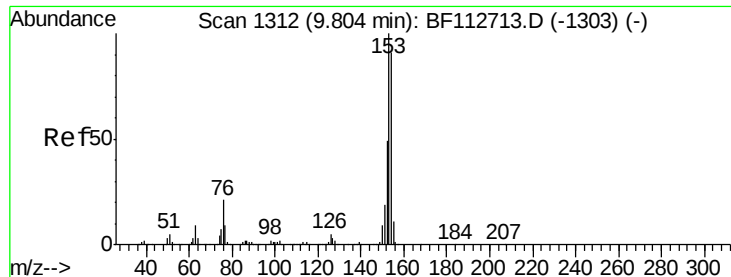
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#50
Dimethylphthalate
Concen: 4.621 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.04 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.3	3.0	4.4#
164	10.6	8.4	12.6





#52

Acenaphthene

Concen: 2.721 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF113244.D

Acq: 22 Mar 2019 19:45

Instrument :

BNA_F

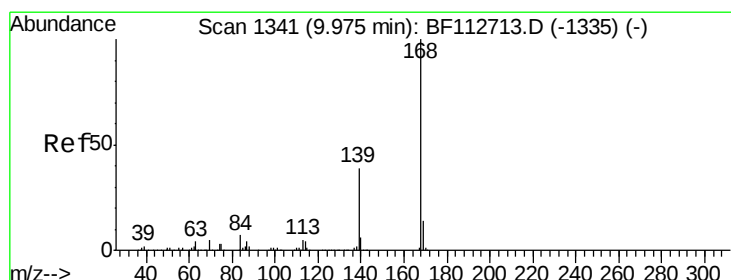
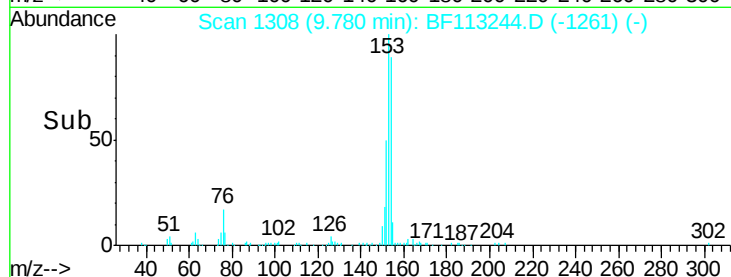
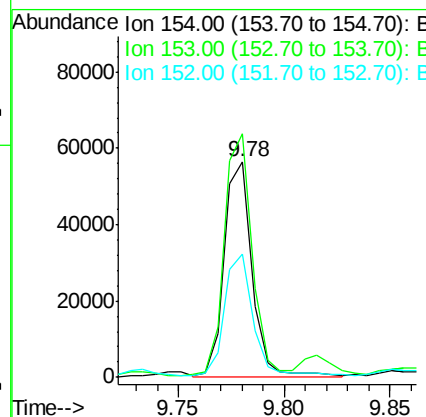
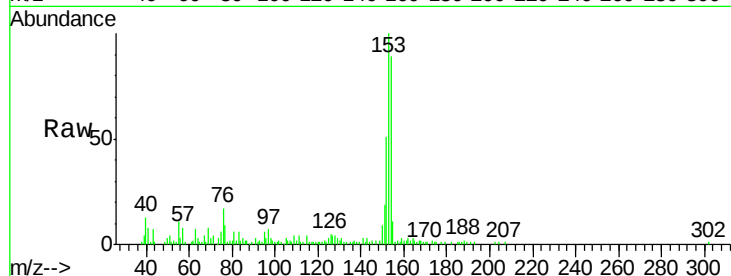
ClientSampleId :

RCA-09

Tgt Ion:	154	Resp:	51718
Ion Ratio	Lower	Upper	
154	100		
153	112.8	87.8	131.8
152	57.3	43.0	64.6

Manual Integrations
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#55

Dibenzofuran

Concen: 2.312 ng

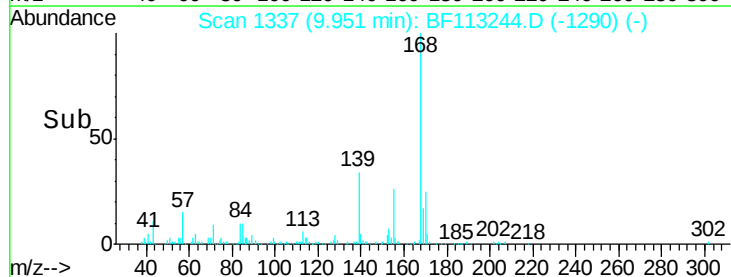
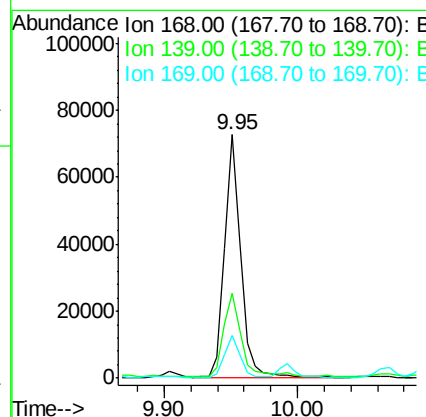
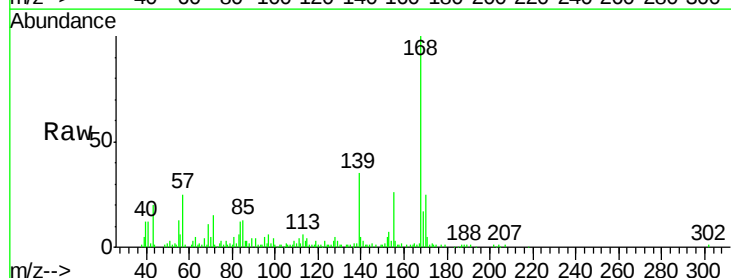
RT: 9.95 min Scan# 1337

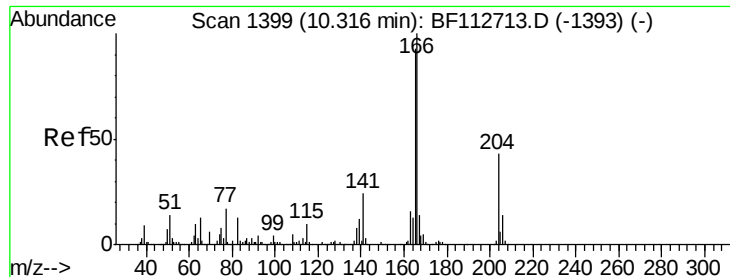
Delta R.T. -0.02 min

Lab File: BF113244.D

Acq: 22 Mar 2019 19:45

Tgt Ion:	168	Resp:	63853
Ion Ratio	Lower	Upper	
168	100		
139	34.8	31.3	46.9
169	17.5	11.3	16.9#





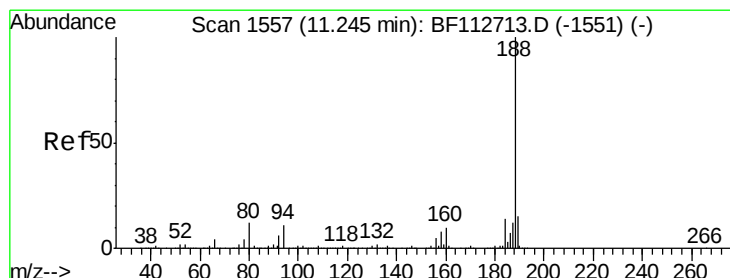
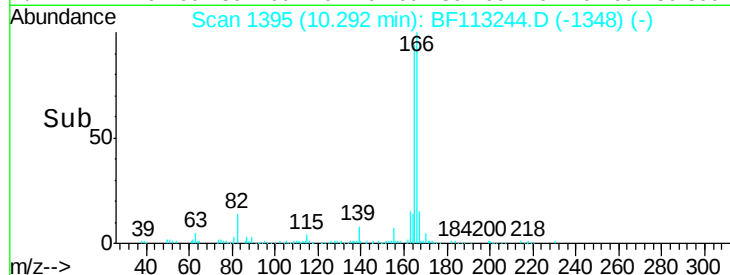
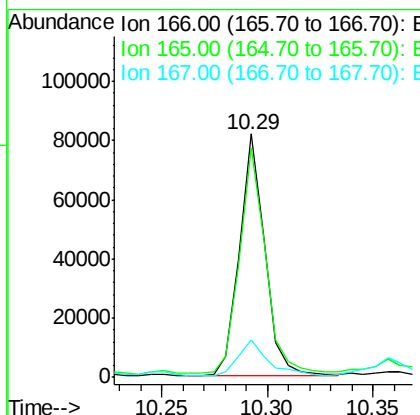
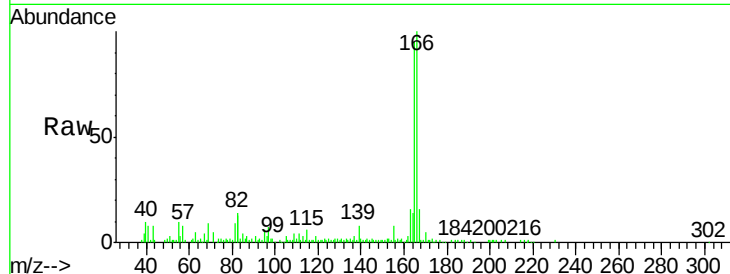
#58
 Fluorene
 Concen: 3.451 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.02 min
 Lab File: BF113244.D
 Acq: 22 Mar 2019 19:45

Instrument :
 BNA_F
 ClientSampled :
 RCA-09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.5	74.7	112.1
167	15.6	11.0	16.6

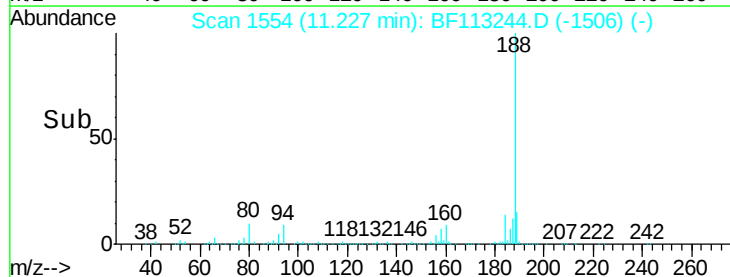
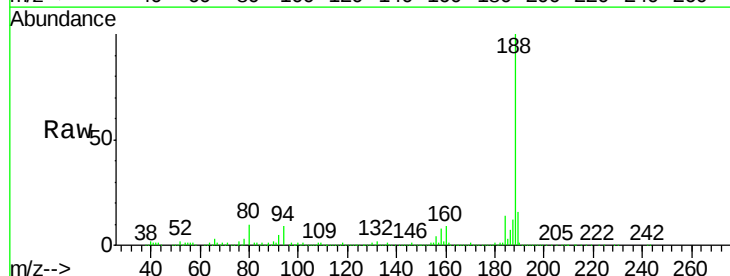
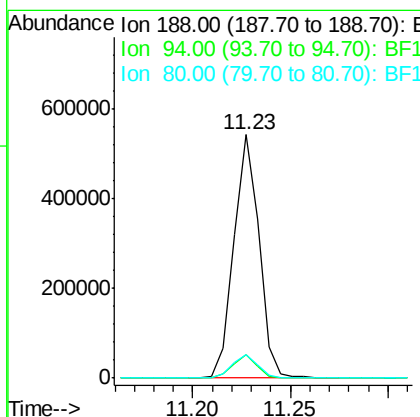
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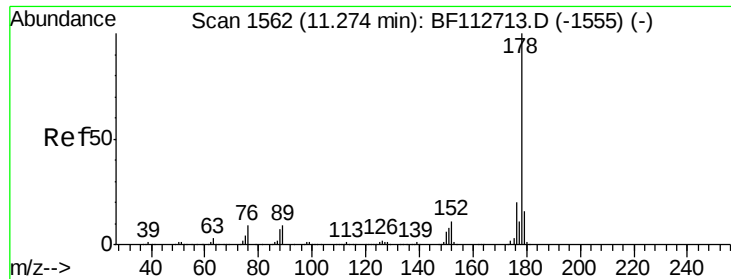
Sohil
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.02 min
 Lab File: BF113244.D
 Acq: 22 Mar 2019 19:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.0	13.4
80	9.6	9.2	13.8





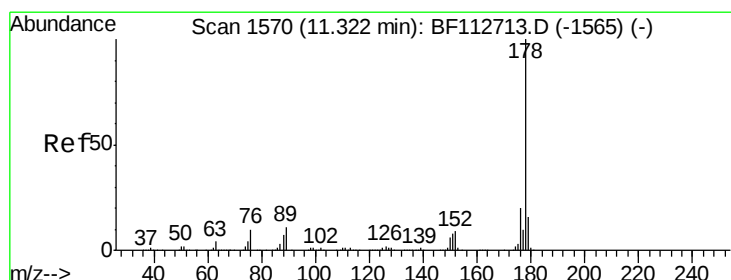
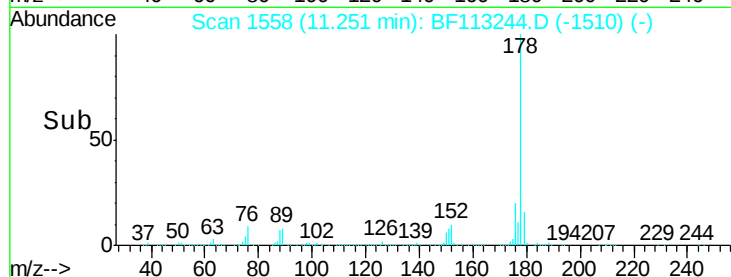
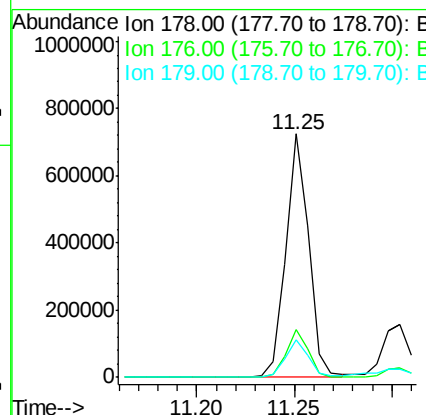
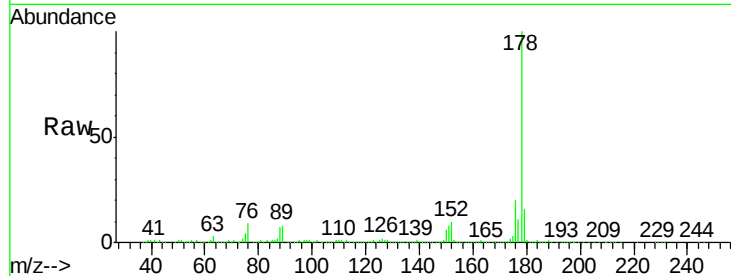
#71
Phenanthrene
Concen: 24.097 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Instrument :
BNA_F
ClientSampled :
RCA-09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.7	12.7	19.1

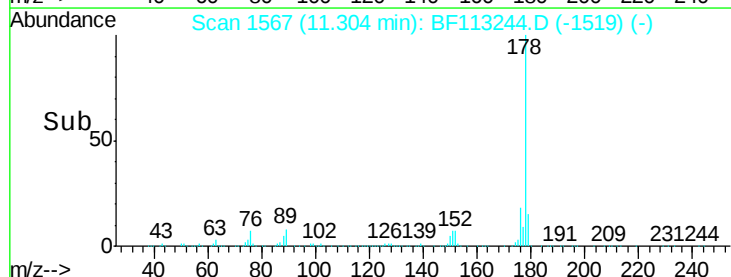
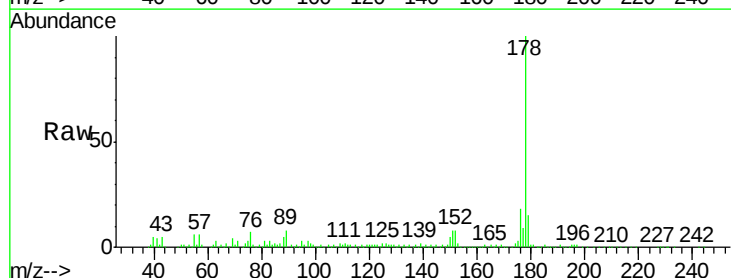
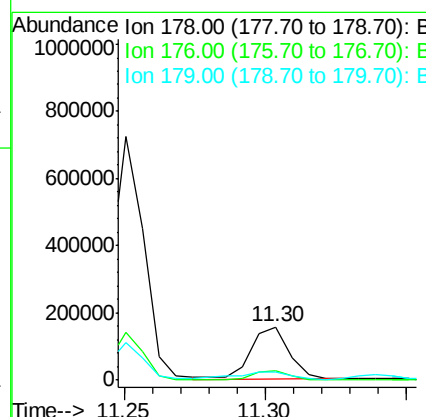
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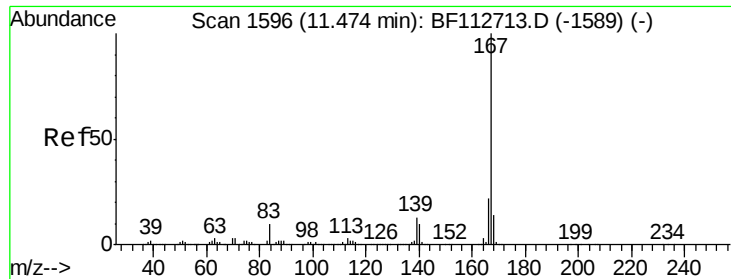
Sohil
3/25/2019 6:32:21 PM



#72
Anthracene
Concen: 5.680 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.6
179	15.2	13.0	19.6





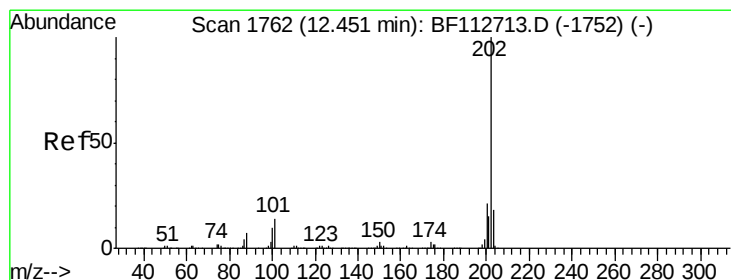
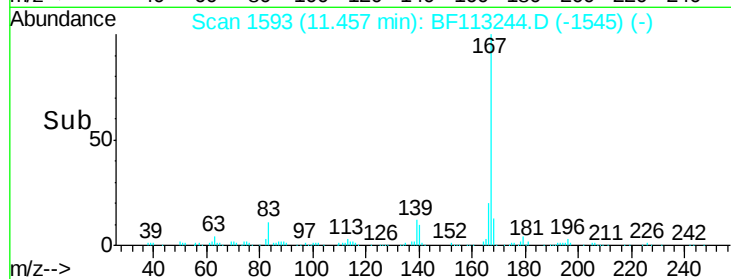
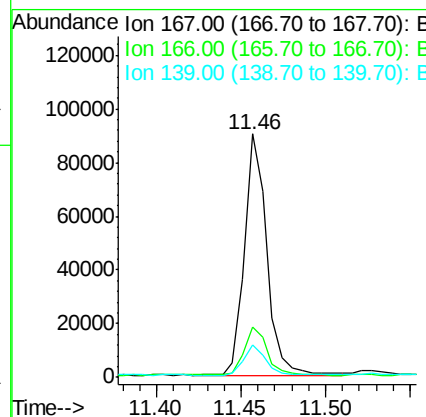
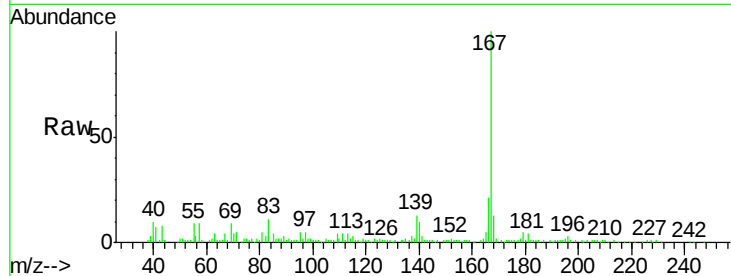
#73
 Carbazole
 Concen: 3.338 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.02 min
 Lab File: BF113244.D
 Acq: 22 Mar 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :
 RCA-09

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.5	26.3
139	13.2	10.8	16.2

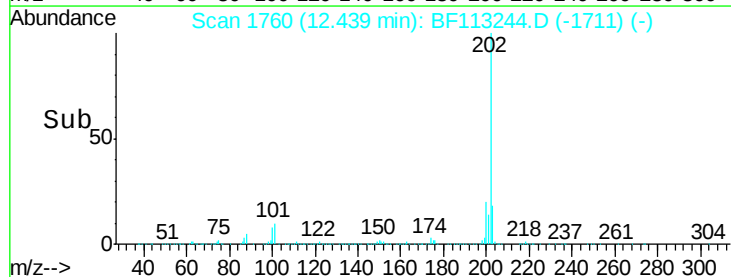
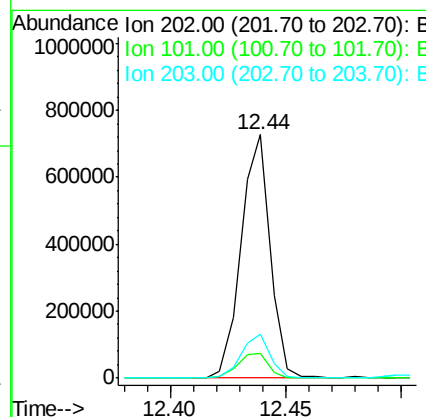
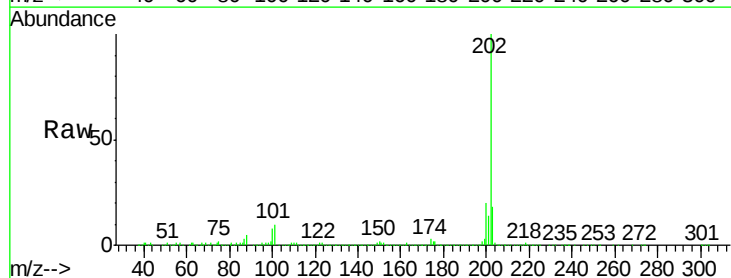
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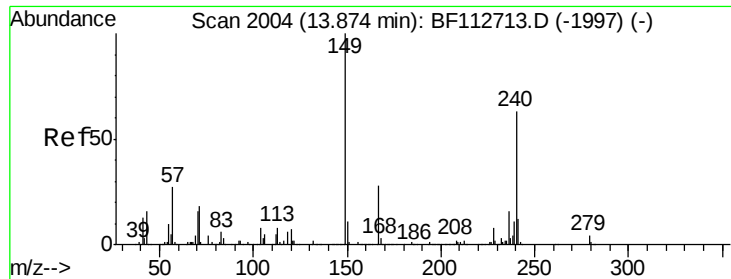
Sohil
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#75
 Fluoranthene
 Concen: 24.602 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BF113244.D
 Acq: 22 Mar 2019 19:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	33.8
203	18.0	0.0	38.4





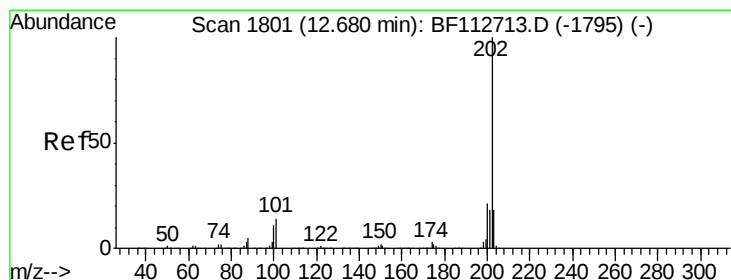
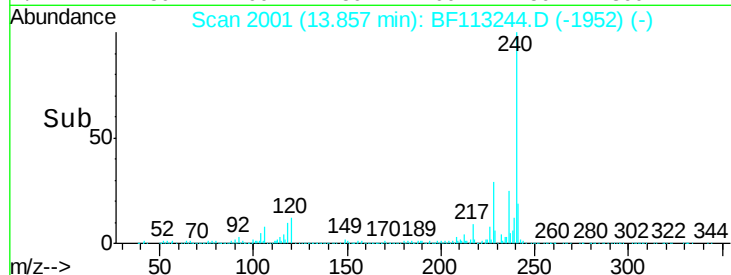
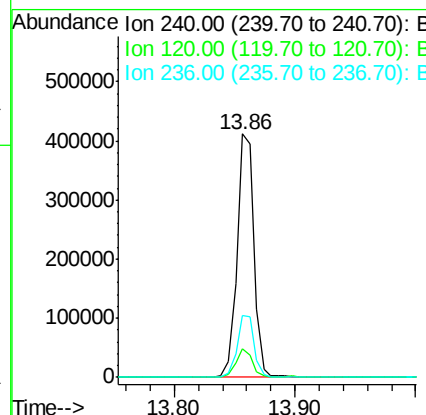
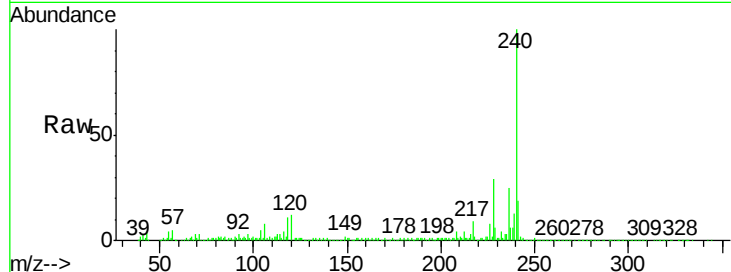
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Instrument :
BNA_F
ClientSampled :
RCA-09

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.9	8.9	13.3
236	25.3	20.7	31.1

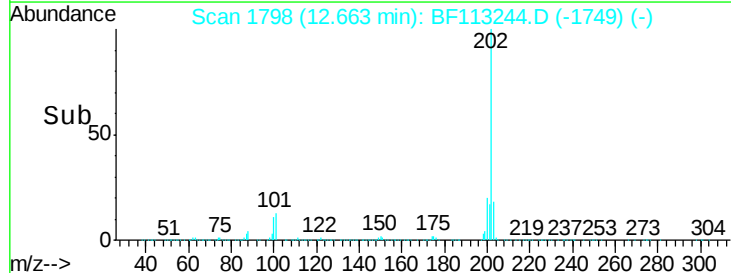
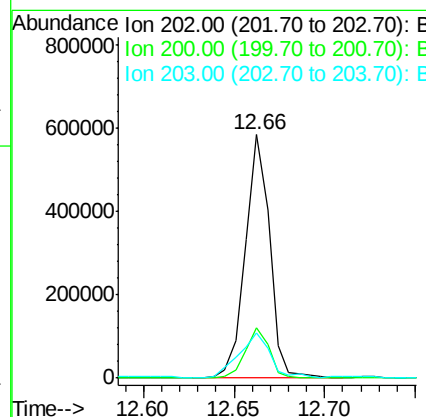
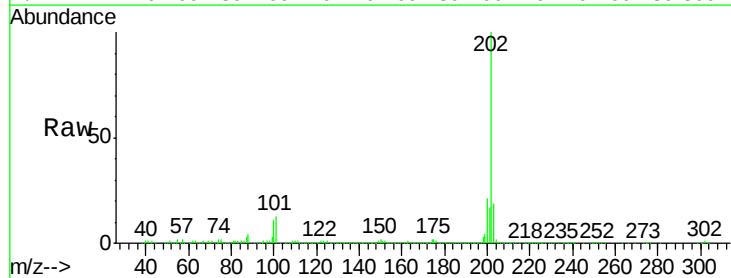
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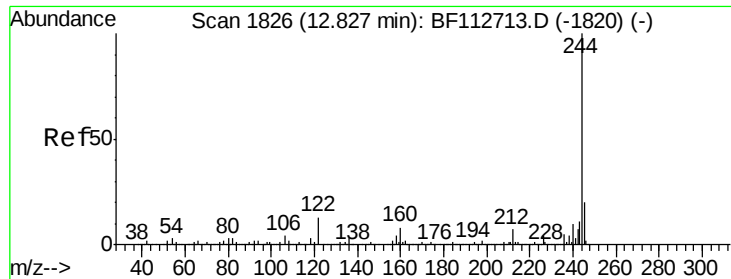
Sohil
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#78
Pyrene
Concen: 16.022 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.5	17.0	25.4
203	18.5	14.4	21.6





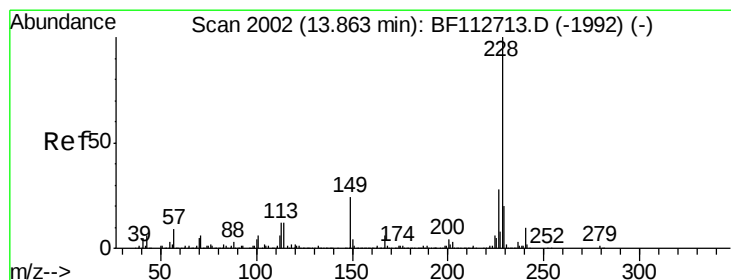
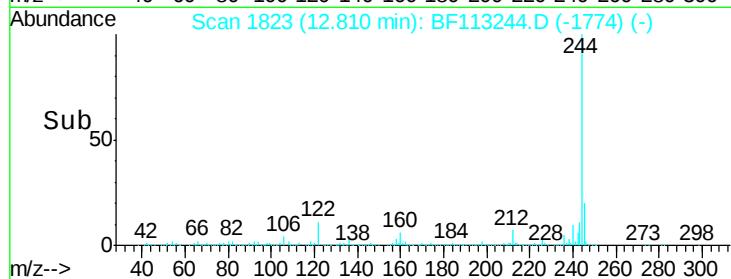
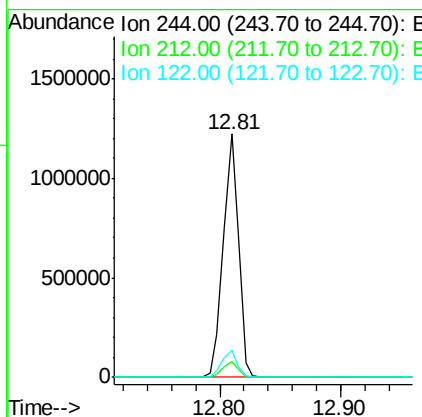
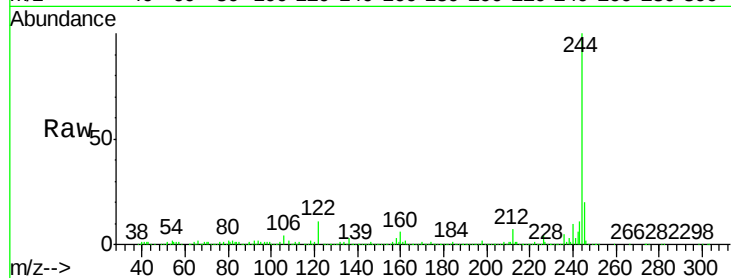
#79
 Terphenyl-d14
 Concen: 51.967 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF113244.D
 Acq: 22 Mar 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :
 RCA-09

Tgt Ion:244 Resp: 1071008
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 11.2 10.5 15.7

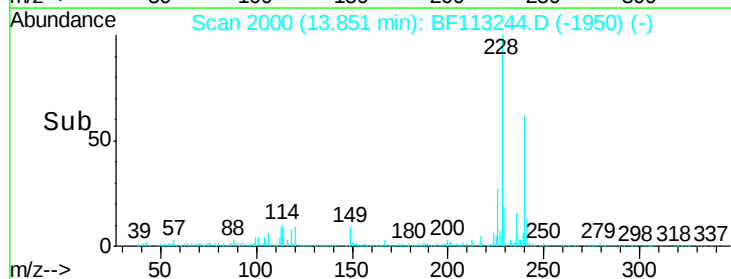
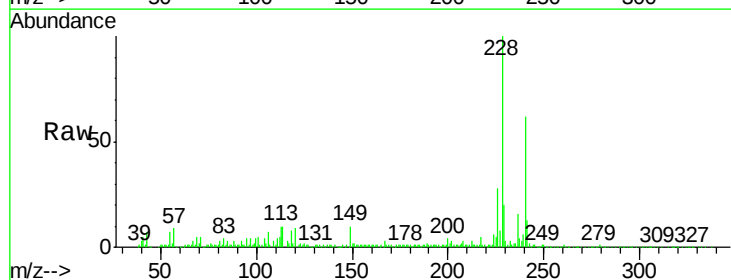
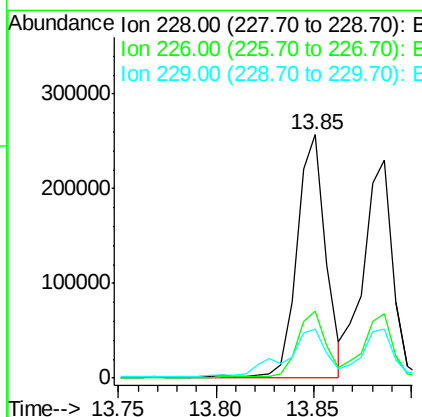
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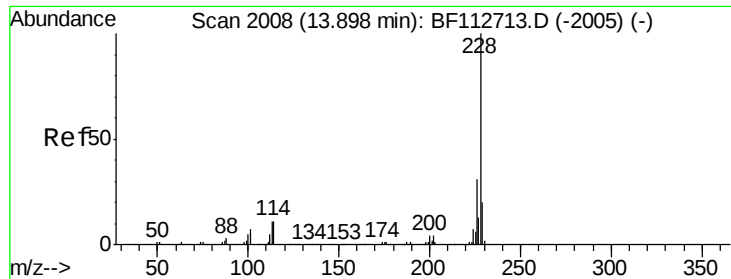
Sohil
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#81
 Benzo(a)anthracene
 Concen: 9.360 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF113244.D
 Acq: 22 Mar 2019 19:45

Tgt Ion:228 Resp: 259177
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.2 33.4
 229 20.0 16.0 24.0





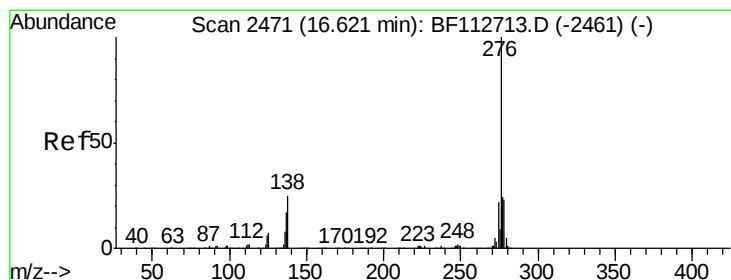
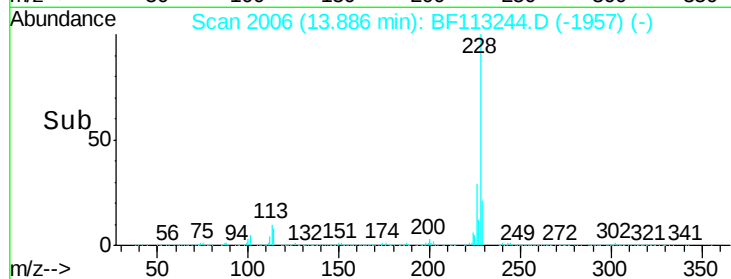
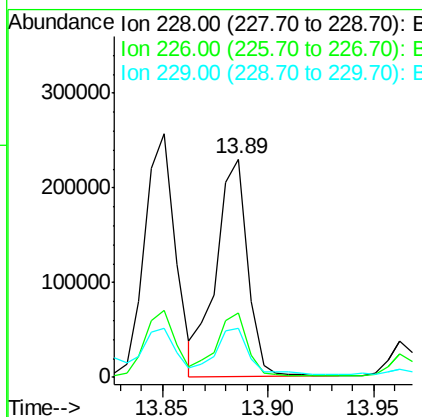
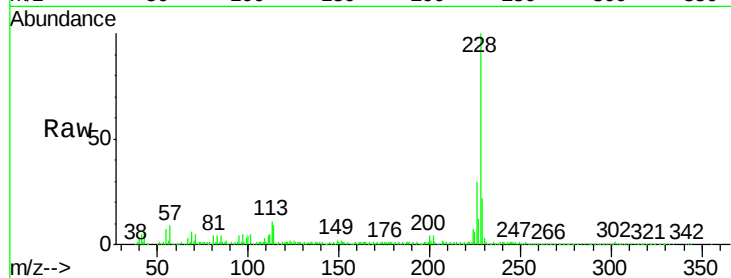
#83
Chrysene
Concen: 8.776 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Instrument :
BNA_F
ClientSampleId :
RCA-09

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	238026		
226	29.6	24.9	37.3	
229	22.4	16.3	24.5	

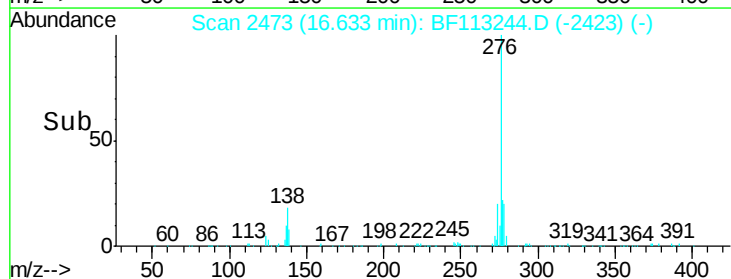
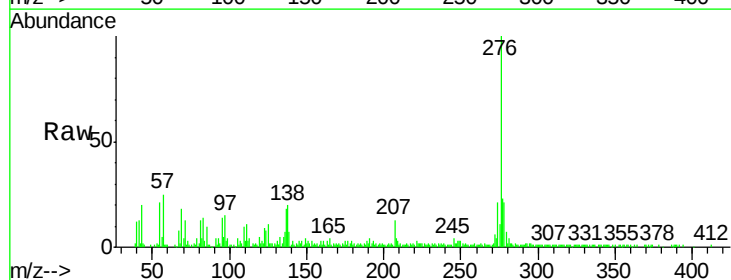
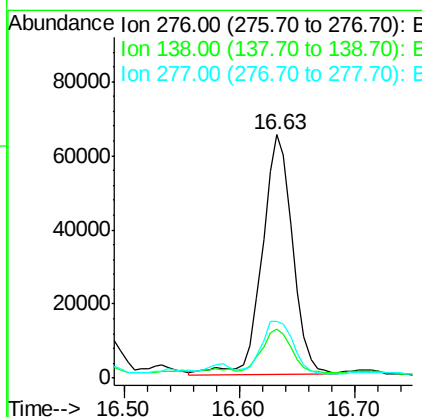
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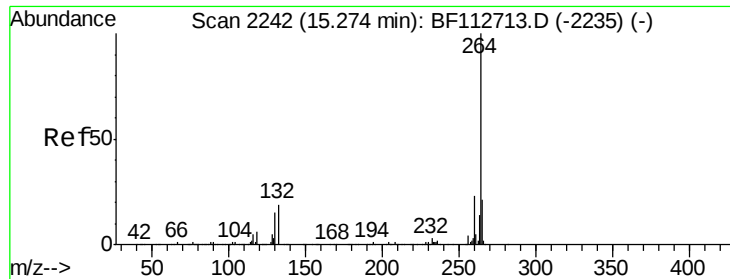
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.157 ng
RT: 16.63 min Scan# 2473
Delta R.T. -0.01 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	119238		
138	18.5	23.2	34.8#	
277	23.4	19.9	29.9	





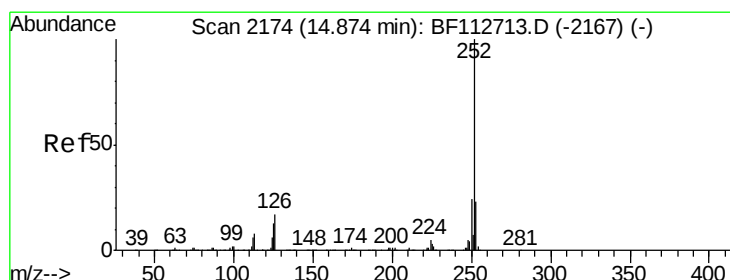
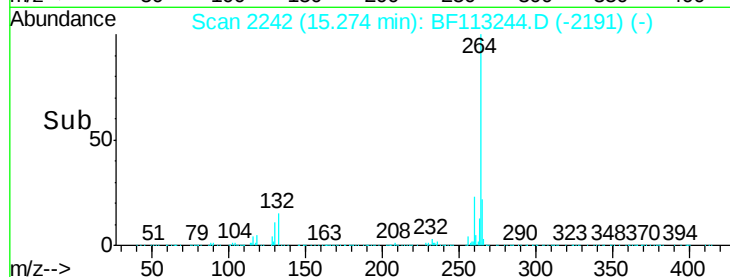
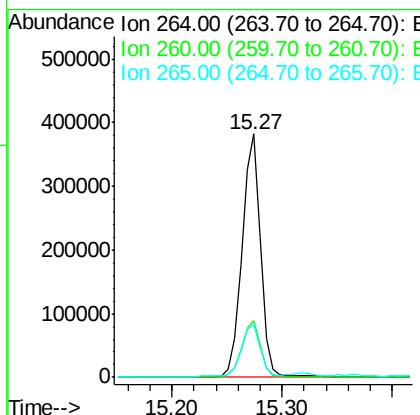
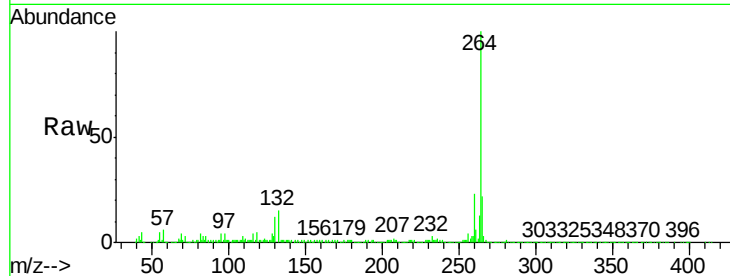
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BF113244.D
 Acq: 22 Mar 2019 19:45

Instrument :
 BNA_F
 ClientSampled :
 RCA-09

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	447256		
260	23.1	18.7	28.1	
265	21.9	17.2	25.8	

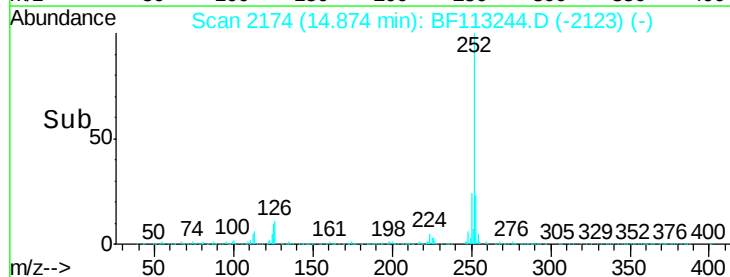
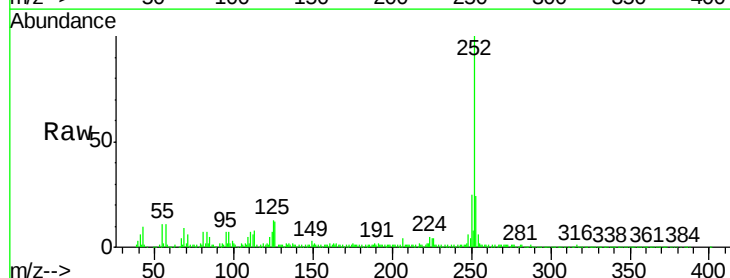
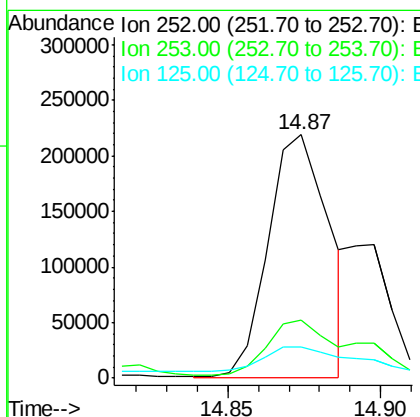
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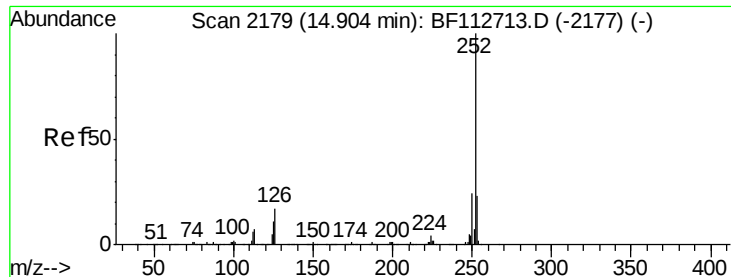
Sohil
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#88
 Benzo(b)fluoranthene
 Concen: 10.346 ng m
 RT: 14.87 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: BF113244.D
 Acq: 22 Mar 2019 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	299312		
253	23.8	18.0	27.0	
125	12.9	10.2	15.2	





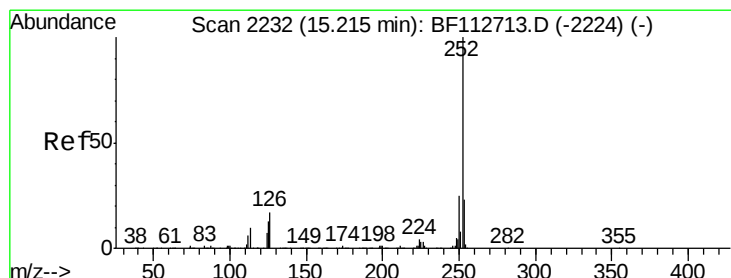
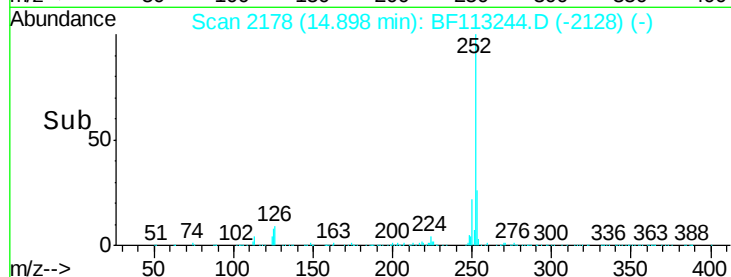
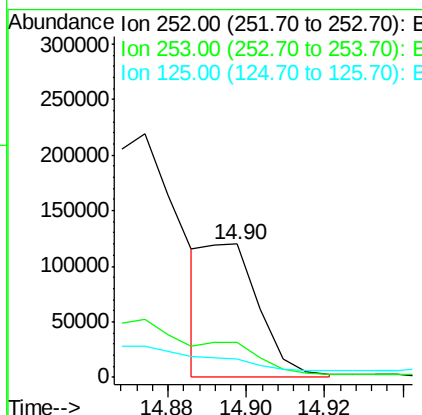
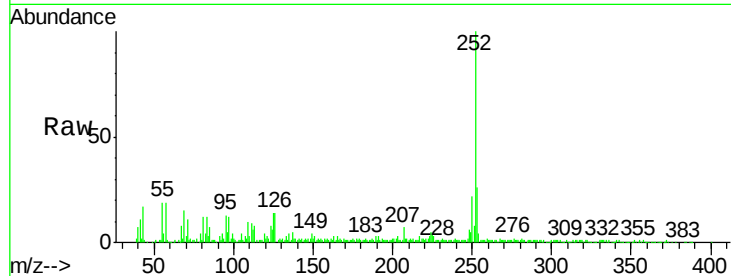
#89
Benzo(k)fluoranthene
Concen: 4.375 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Instrument :
BNA_F
ClientSampleId :
RCA-09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.2	27.2
125	13.8	9.8	14.6

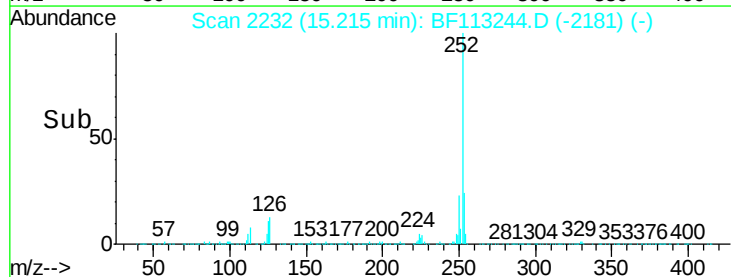
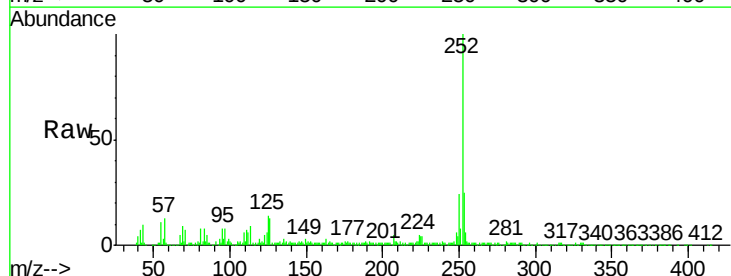
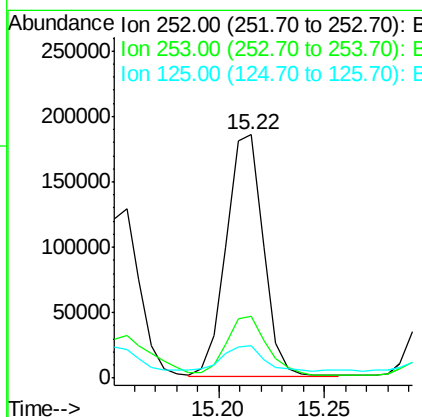
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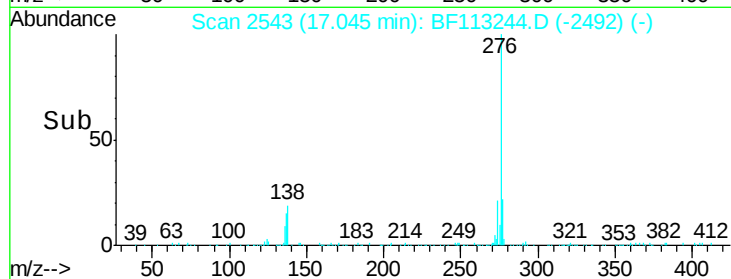
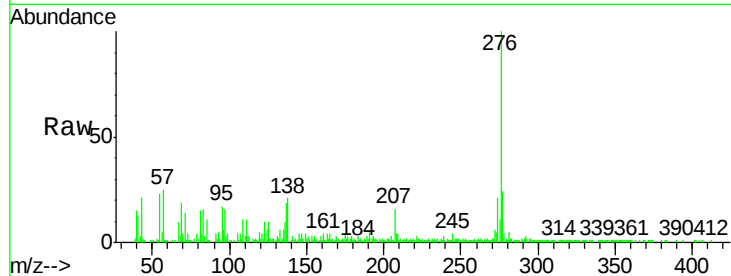
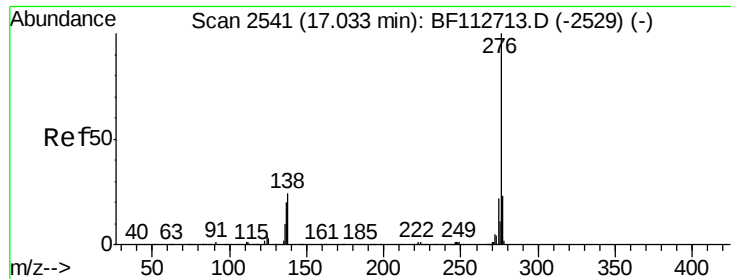
Sohil
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#90
Benzo(a)pyrene
Concen: 8.736 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF113244.D
Acq: 22 Mar 2019 19:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.0	27.0
125	13.5	10.7	16.1





#92
 Benzo(g,h,i)perylene
 Concen: 4.778 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: BF113244.D
 Acq: 22 Mar 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :
 RCA-09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	27.8
138	21.0	19.4	29.0

Manual Integrations
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