

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
 Data File : BF113248.D
 Acq On : 22 Mar 2019 21:38
 Operator : JU/SJ
 Sample : K2050-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-5

Manual Integrations
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Quant Time: Mar 23 01:24:58 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	152801	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	578964	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	262340	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	423798	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	375523	20.00	ng	0.00
87) Perylene-d12	15.27	264	400670	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	241394	24.57	ng	-0.02
7) Phenol-d6	6.36	99	355758	28.83	ng	-0.02
23) Nitrobenzene-d5	7.27	82	201457	20.82	ng	-0.03
42) 2,4,6-Tribromophenol	10.53	330	85852	30.83	ng	-0.02
45) 2-Fluorobiphenyl	9.07	172	388058	19.42	ng	-0.02
79) Terphenyl-d14	12.81	244	296854	15.32	ng	-0.01
Target Compounds						
49) Acenaphthylene	9.61	152	122149	4.306	ng	Qvalue 97
52) Acenaphthene	9.78	154	89694	5.407	ng	98
55) Dibenzofuran	9.95	168	90882	3.770	ng	96
58) Fluorene	10.29	166	94618	5.530	ng	98
71) Phenanthrene	11.26	178	1229350	58.303	ng	99
72) Anthracene	11.30	178	225433	10.213	ng	97
73) Carbazole	11.46	167	307837	14.297	ng	98
75) Fluoranthene	12.45	202	3469059	153.561	ng	98
78) Pyrene	12.68	202	2778238	87.759	ng	97
81) Benzo(a)anthracene	13.85	228	651491	25.032	ng	95
83) Chrysene	13.89	228	1654457	64.897	ng	98
86) Indeno(1,2,3-cd)pyrene	16.63	276	231289	10.642	ng	# 90
88) Benzo(b)fluoranthene	14.89	252	1555234m	60.009	ng	
89) Benzo(k)fluoranthene	14.90	252	403773m	17.200	ng	
90) Benzo(a)pyrene	15.22	252	358875	15.655	ng	96
91) Dibenzo(a,h)anthracene	16.64	278	48754m	2.492	ng	
92) Benzo(g,h,i)perylene	17.04	276	181395	9.235	ng	95

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

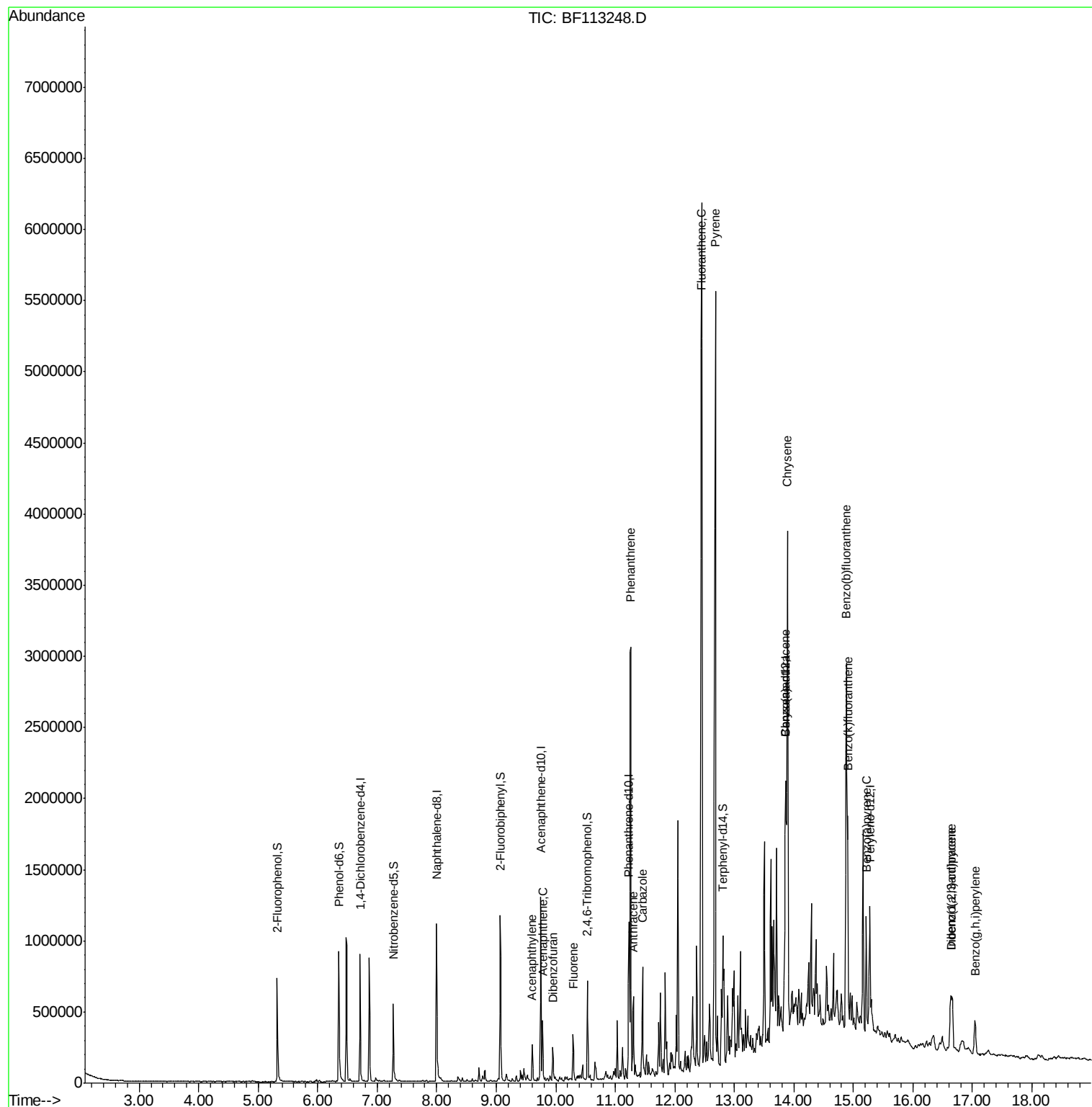
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
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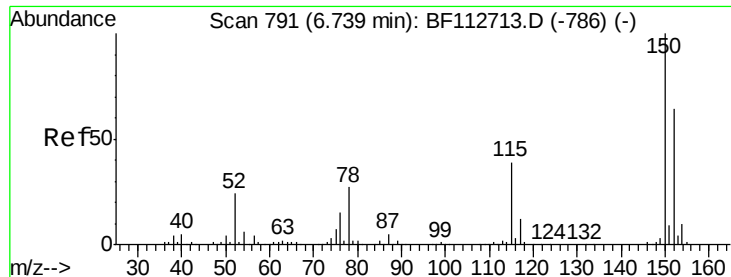
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#1

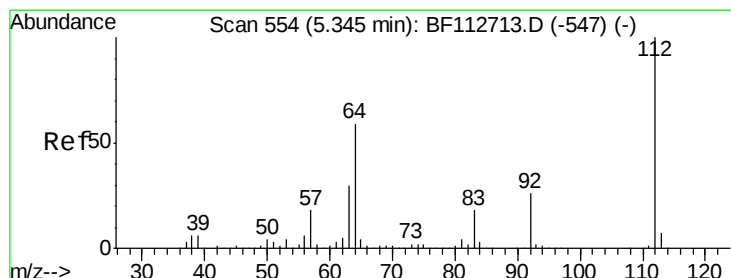
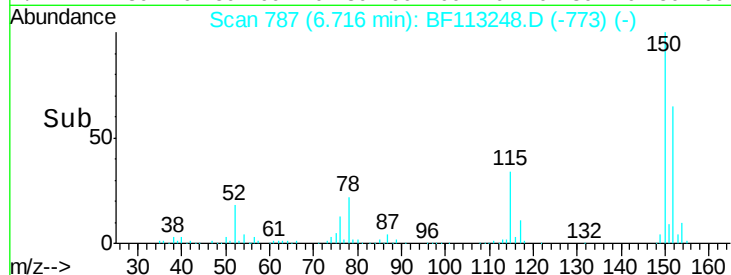
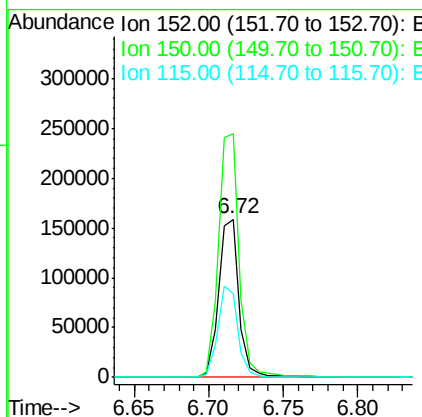
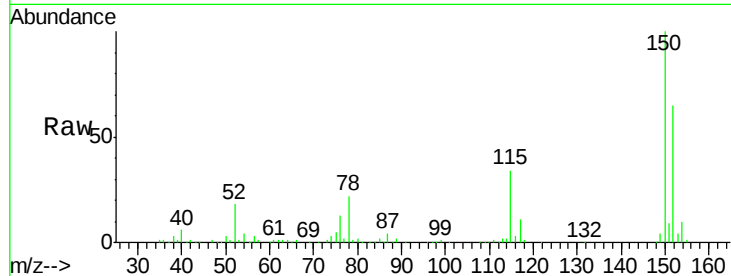
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF113248.D
Acq: 22 Mar 2019 21:38

Instrument :
BNA_F
ClientSampled :
CS-5

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	152801		
150	153.9	124.2	186.2	
115	52.7	48.2	72.4	

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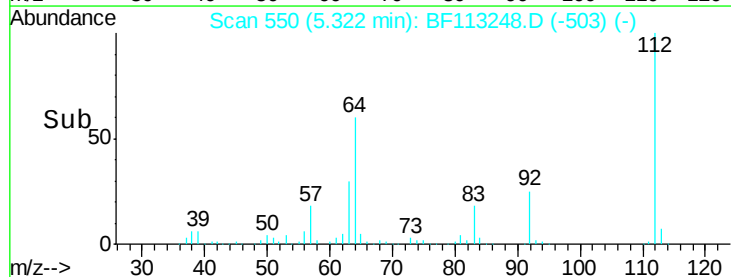
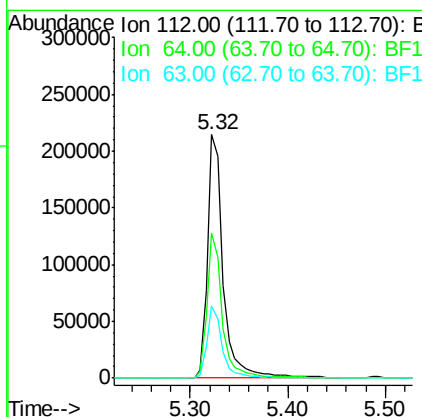
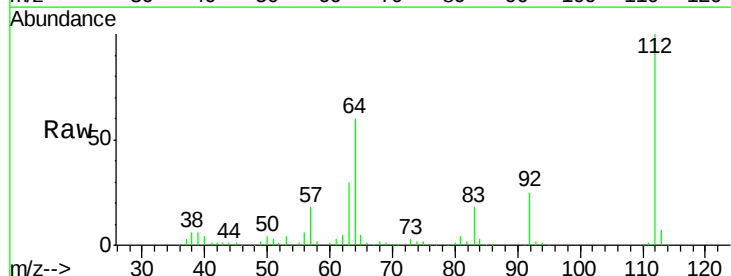
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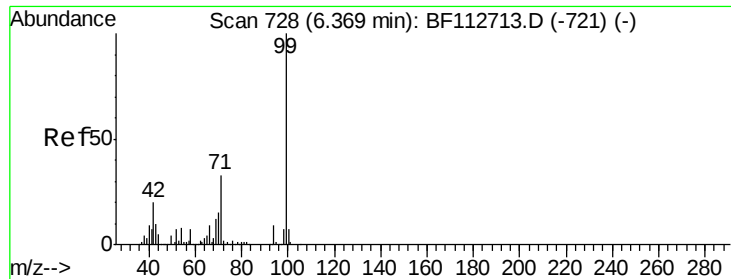


#5

2-Fluorophenol
Concen: 24.574 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.02 min
Lab File: BF113248.D
Acq: 22 Mar 2019 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	241394		
64	59.7	47.6	71.4	
63	29.9	24.4	36.6	





#7

Phenol-d6

Concen: 28.831 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF113248.D

Acq: 22 Mar 2019 21:38

Instrument :

BNA_F

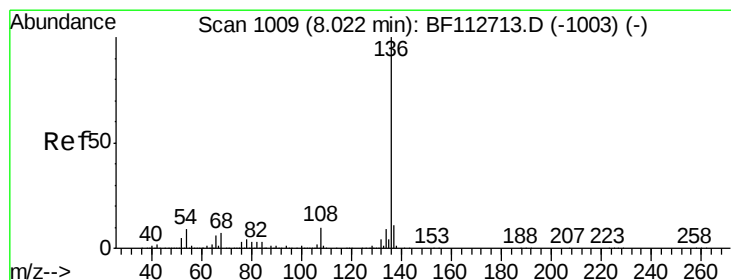
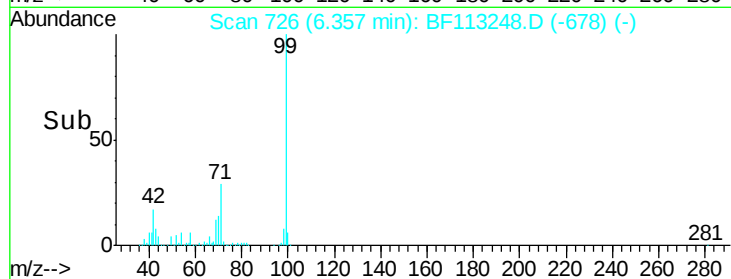
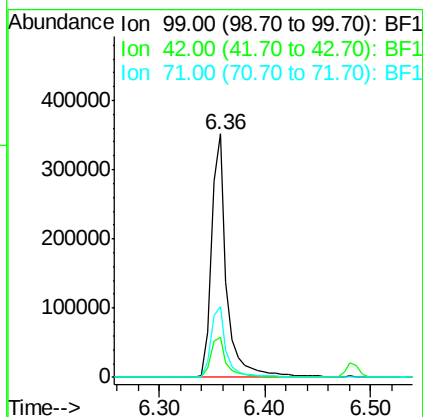
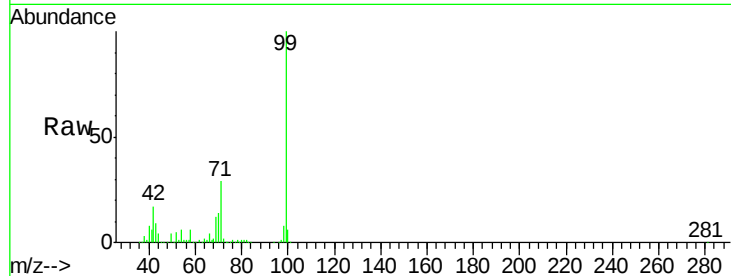
ClientSampleId :

CS-5

Tgt Ion:	99	Resp:	355758
Ion Ratio	Lower	Upper	
99	100		
42	16.6	16.3	24.5
71	29.1	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

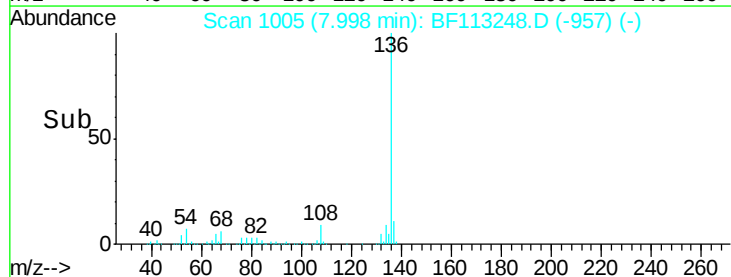
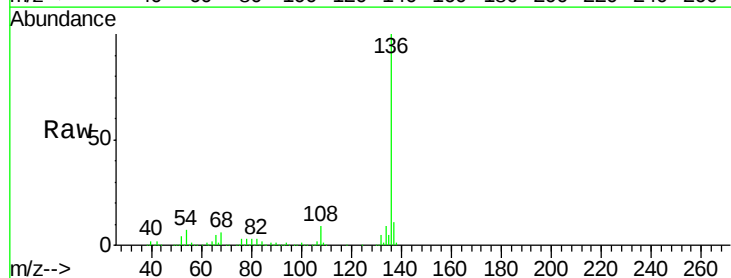
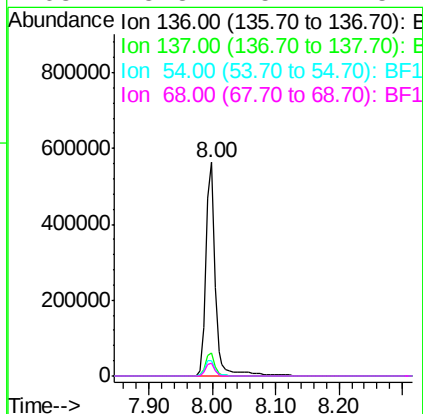
RT: 8.00 min Scan# 1005

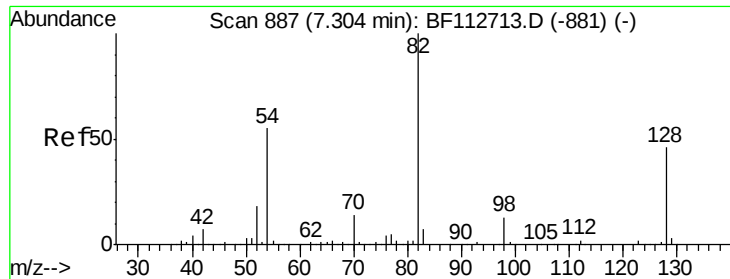
Delta R.T. -0.02 min

Lab File: BF113248.D

Acq: 22 Mar 2019 21:38

Tgt Ion:	136	Resp:	578964
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.5	7.3	10.9
68	5.8	5.4	8.2





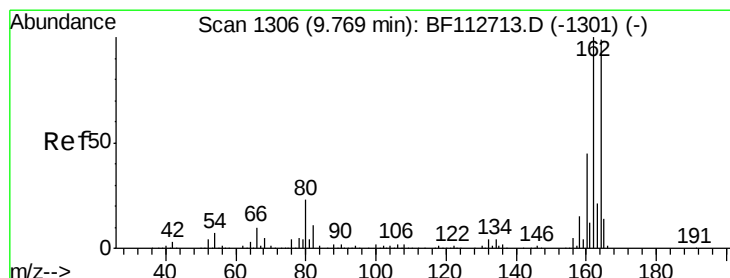
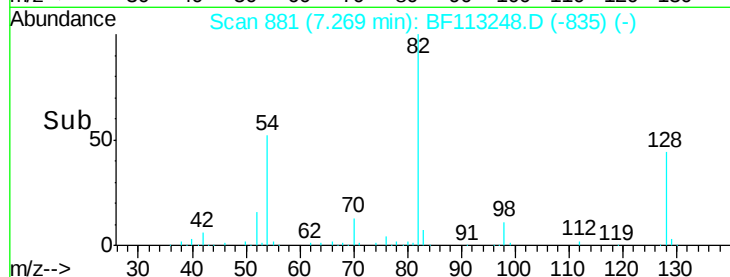
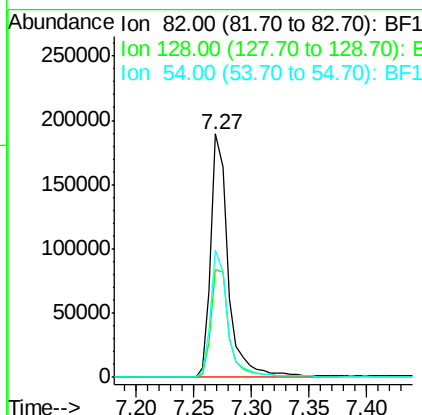
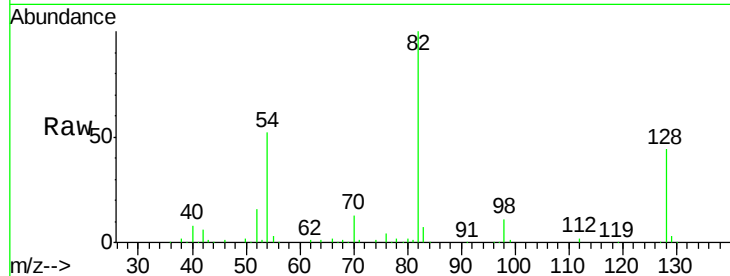
#23
Nitrobenzene-d5
Concen: 20.821 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.03 min
Lab File: BF113248.D
Acq: 22 Mar 2019 21:38

Instrument :
BNA_F
ClientSampled :
CS-5

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	201457		
128	44.4	36.3	54.5	
54	52.0	43.7	65.5	

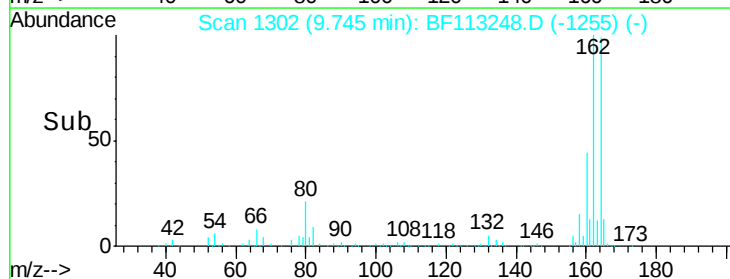
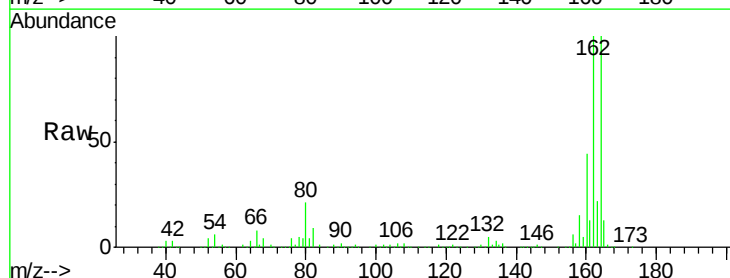
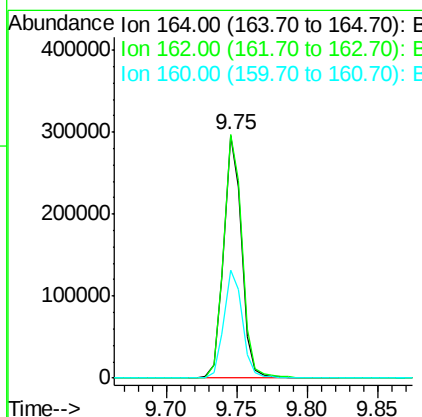
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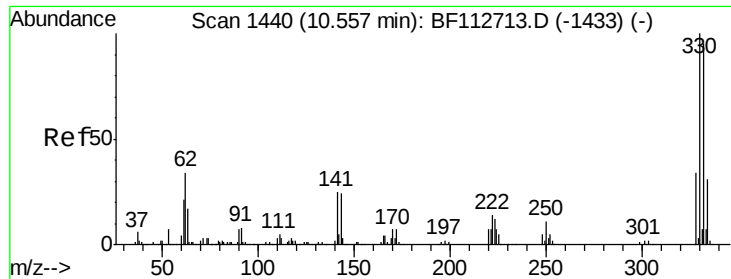
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF113248.D
Acq: 22 Mar 2019 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	262340		
162	100.3	80.6	120.8	
160	44.5	36.0	54.0	





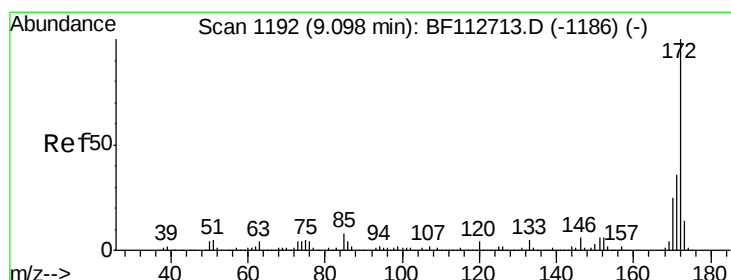
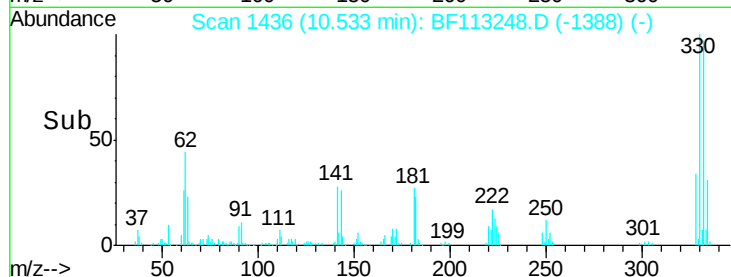
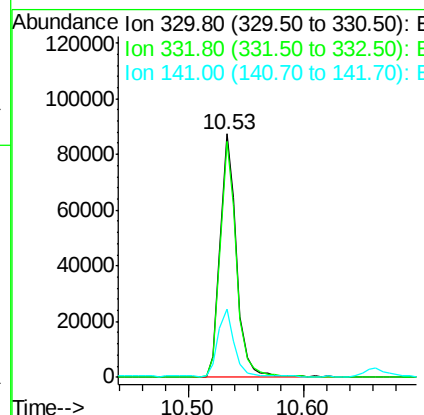
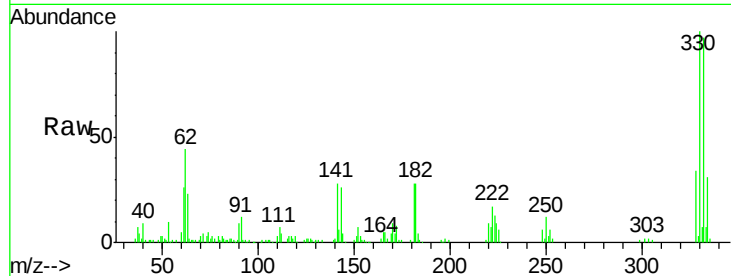
#42
 2,4,6-Tribromophenol
 Concen: 30.826 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF113248.D
 Acq: 22 Mar 2019 21:38

Instrument :
 BNA_F
 ClientSampled :
 CS-5

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.2	114.4
141	29.5	27.0	40.6

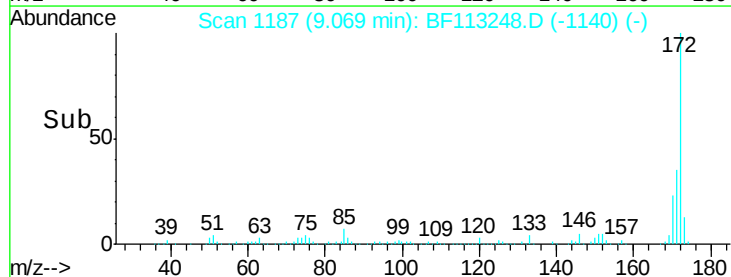
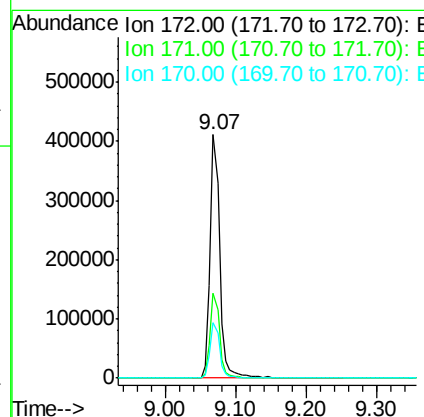
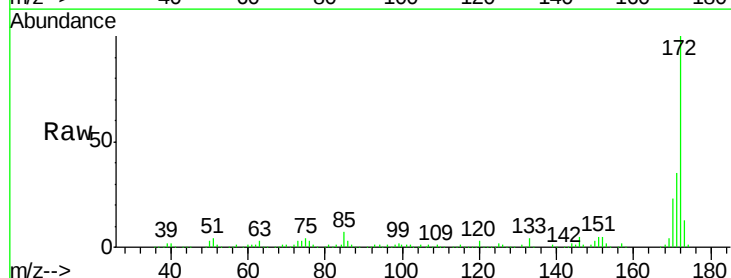
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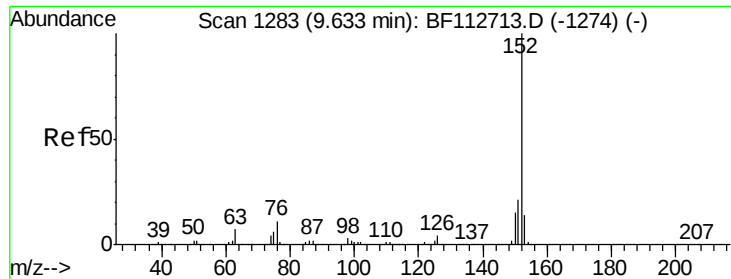
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#45
 2-Fluorobiphenyl
 Concen: 19.420 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF113248.D
 Acq: 22 Mar 2019 21:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.0	43.4
170	22.9	20.0	30.0





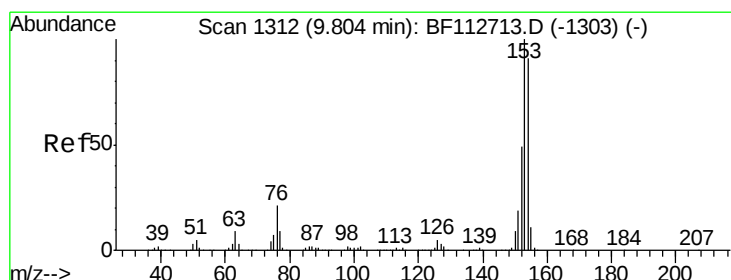
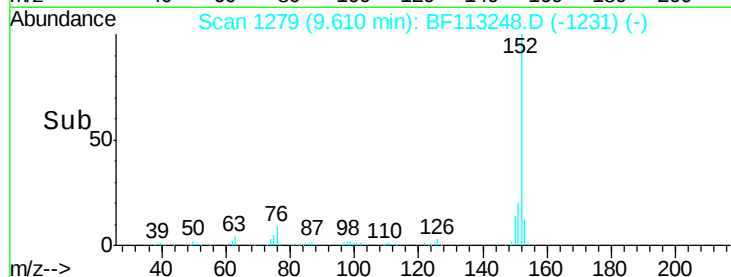
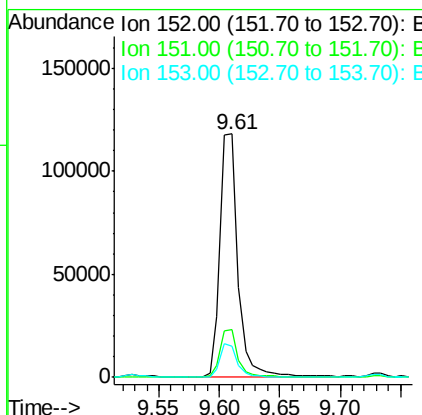
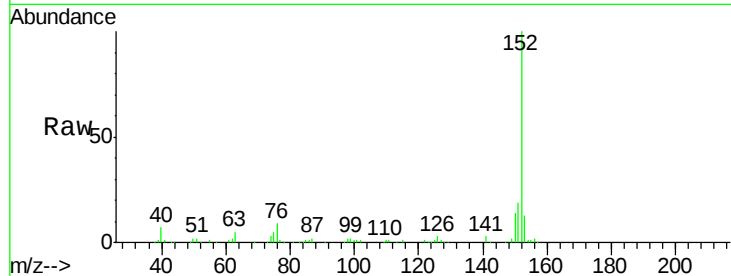
#49
Acenaphthylene
Concen: 4.306 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF113248.D
Acq: 22 Mar 2019 21:38

Instrument :
BNA_F
ClientSampleId :
CS-5

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	122149		
151	19.4		16.9	25.3
153	12.9		11.0	16.6

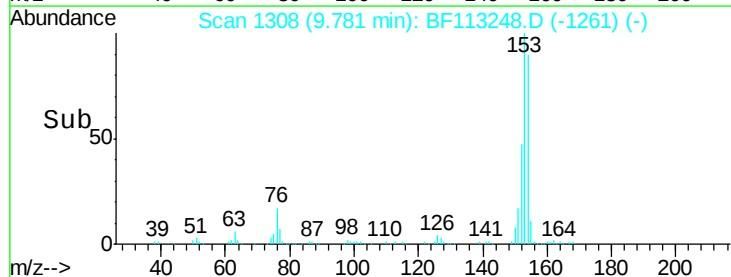
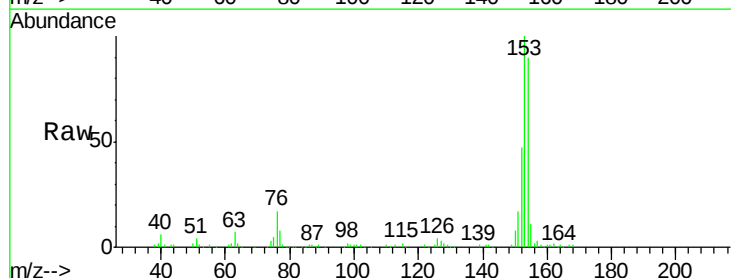
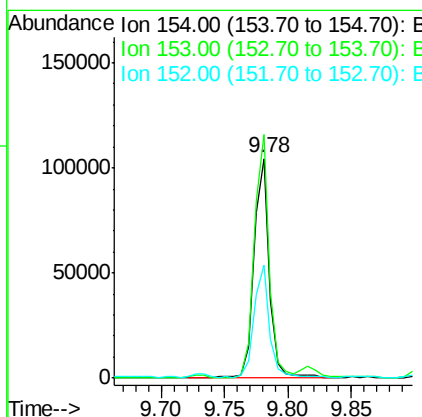
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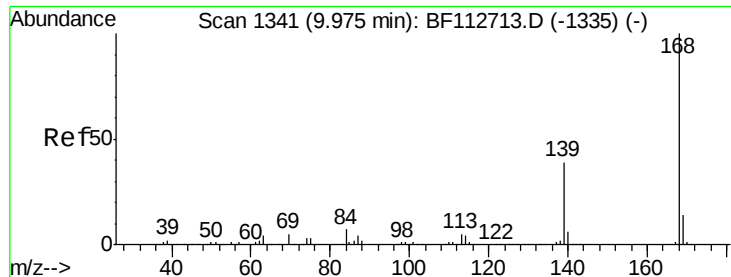
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#52
Acenaphthene
Concen: 5.407 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF113248.D
Acq: 22 Mar 2019 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	89694		
153	111.0		87.8	131.8
152	51.8		43.0	64.6





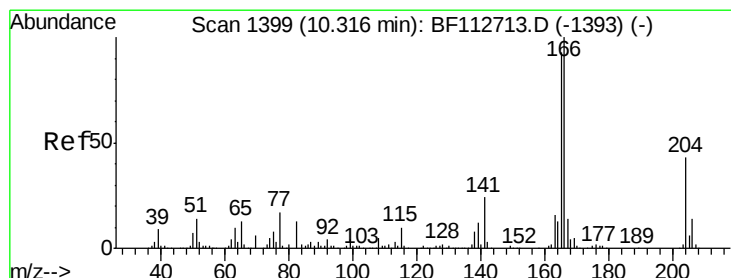
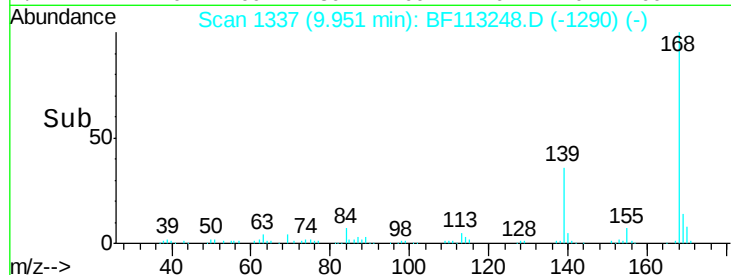
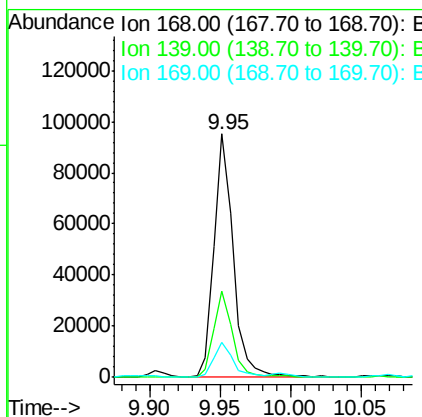
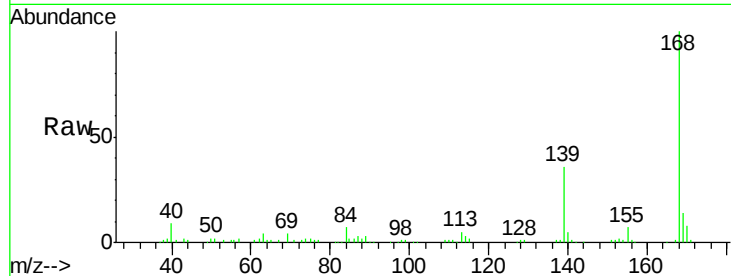
#55
Dibenzenofuran
Concen: 3.770 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF113248.D
Acq: 22 Mar 2019 21:38

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	168	Resp:	90882
Ion Ratio	Lower	Upper	
168	100		
139	35.5	31.3	46.9
169	14.1	11.3	16.9

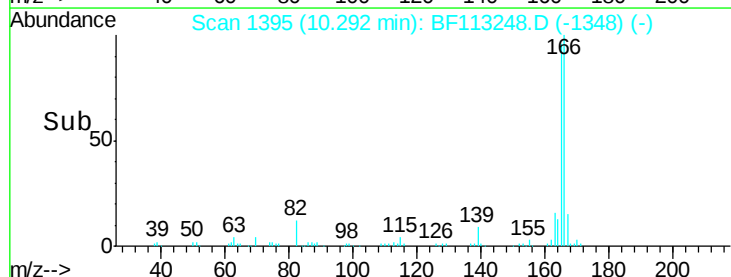
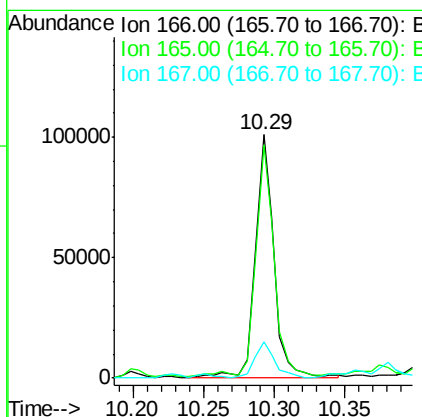
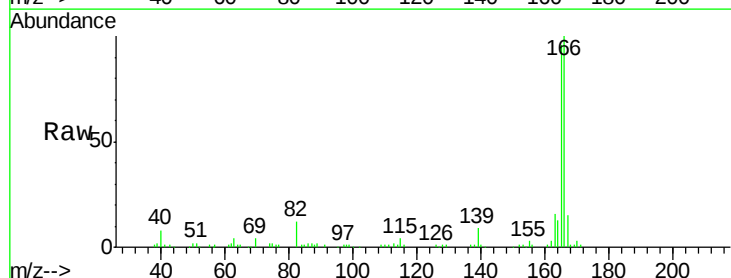
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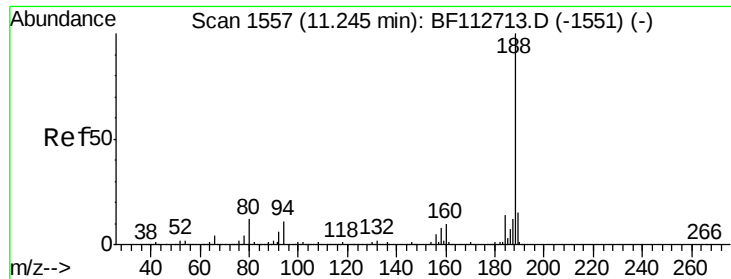
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#58
Fluorene
Concen: 5.530 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BF113248.D
Acq: 22 Mar 2019 21:38

Tgt Ion:	166	Resp:	94618
Ion Ratio	Lower	Upper	
166	100		
165	95.7	74.7	112.1
167	14.7	11.0	16.6





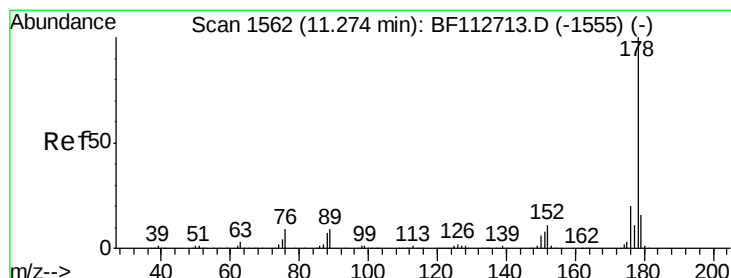
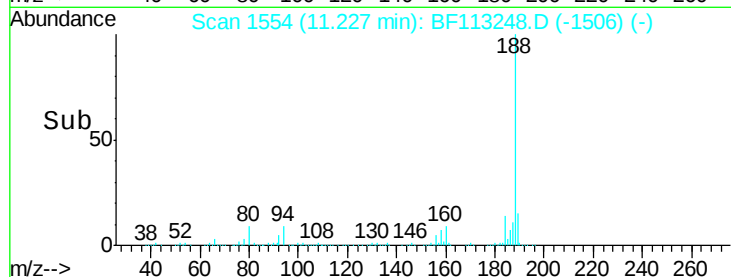
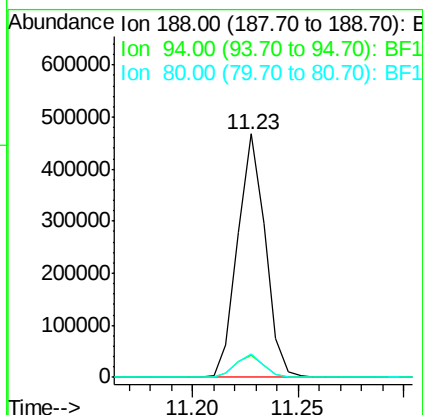
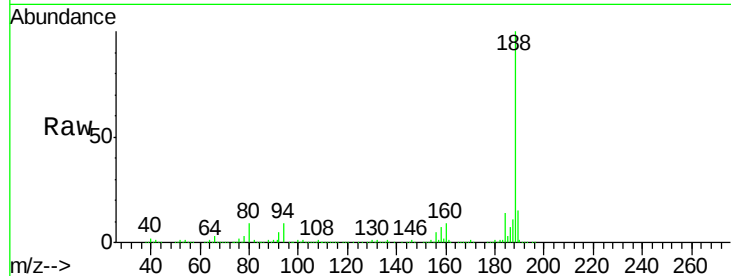
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF113248.D
Acq: 22 Mar 2019 21:38

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.2	9.0	13.4
80	9.5	9.2	13.8

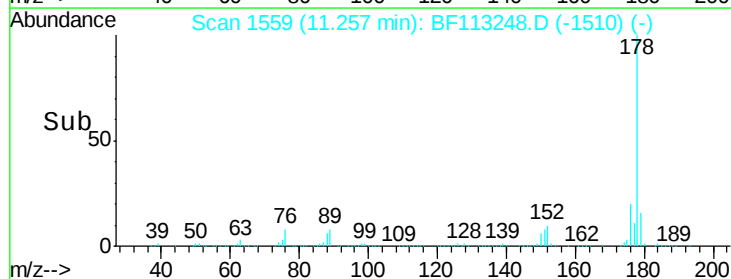
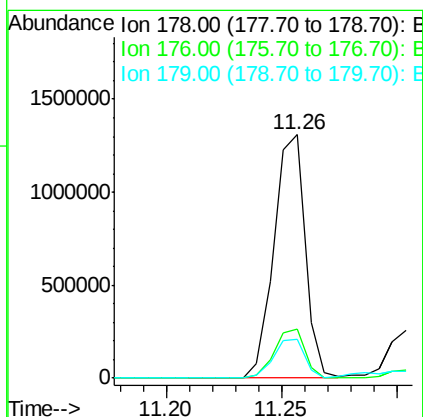
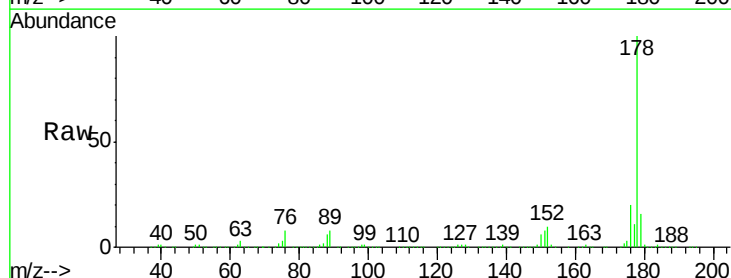
Manual Integrations
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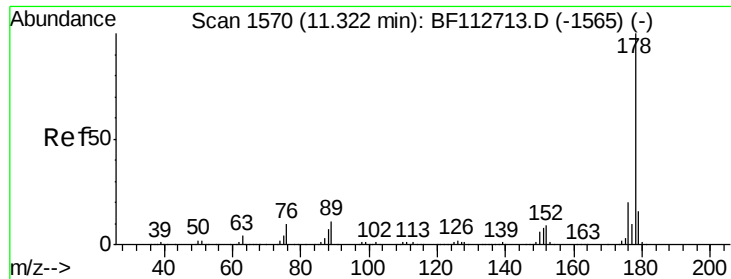
Sohil
3/25/2019 6:32:30 PM



#71
Phenanthrene
Concen: 58.303 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113248.D
Acq: 22 Mar 2019 21:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.1	16.3	24.5
179	15.7	12.7	19.1





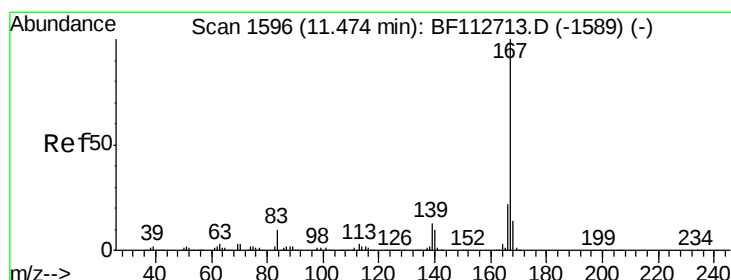
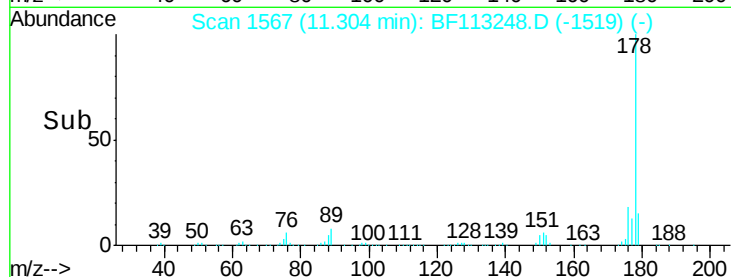
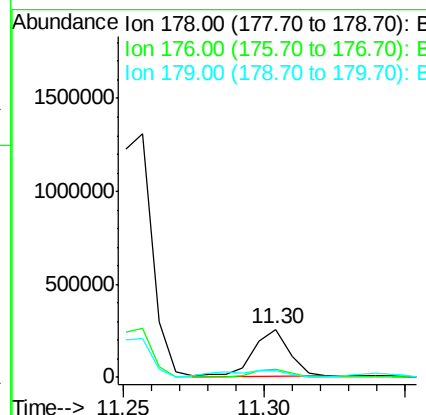
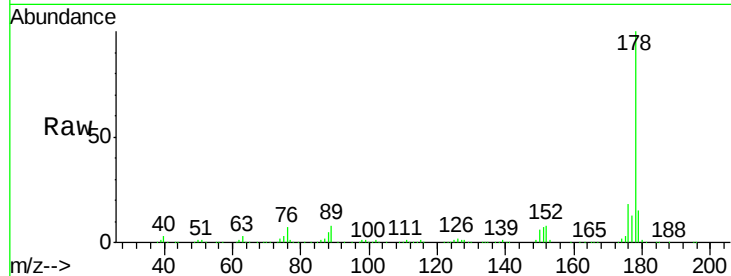
#72
 Anthracene
 Concen: 10.213 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF113248.D
 Acq: 22 Mar 2019 21:38

Instrument :
 BNA_F
 ClientSampleId :
 CS-5

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.6
179	15.2	13.0	19.6

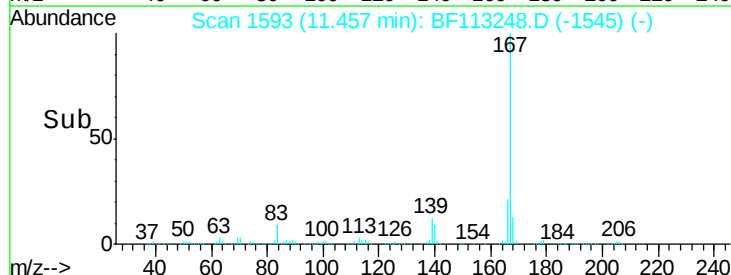
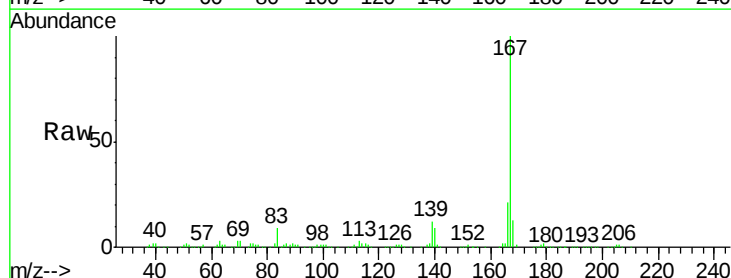
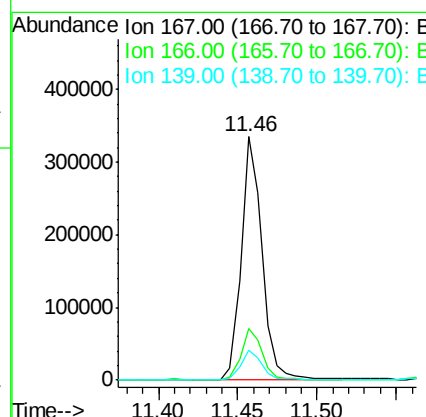
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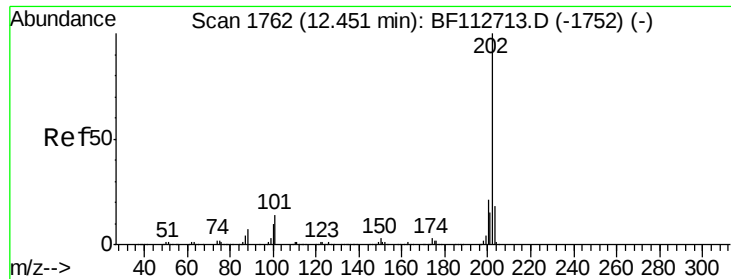
Sohil
 3/25/2019 6:32:30 PM



#73
 Carbazole
 Concen: 14.297 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.02 min
 Lab File: BF113248.D
 Acq: 22 Mar 2019 21:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.5	26.3
139	12.4	10.8	16.2





#75

Fluoranthene

Concen: 153.561 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF113248.D

Acq: 22 Mar 2019 21:38

Instrument :

BNA_F

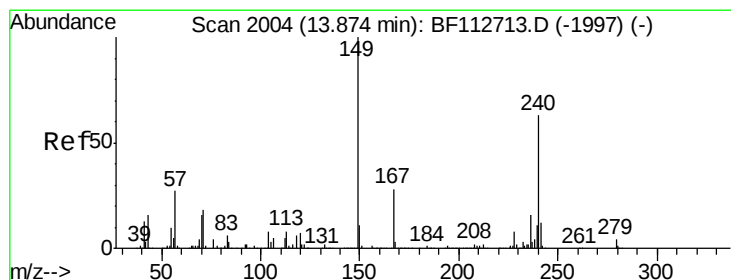
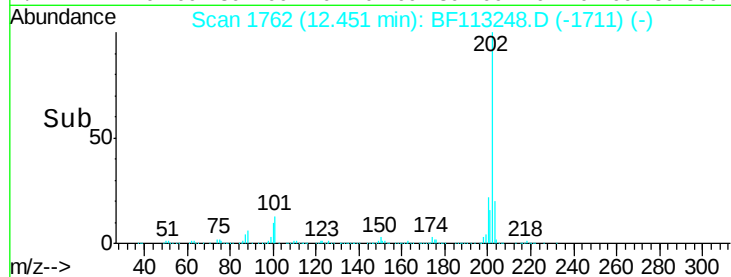
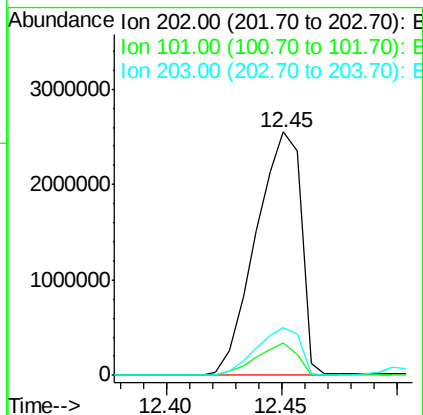
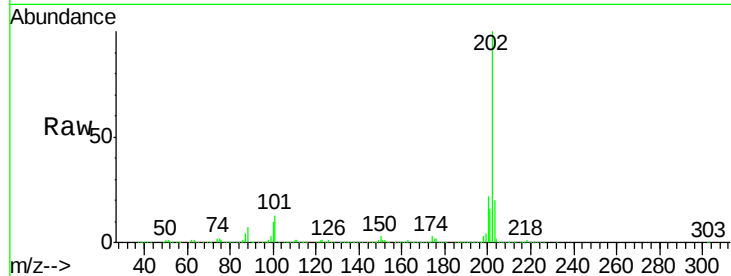
ClientSampleId :

CS-5

Tgt	Ion	202	Resp:	3469059
Ion	Ratio	Lower	Upper	
202	100			
101	13.1	0.0	33.8	
203	19.6	0.0	38.4	

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#76

Chrysene-d12

Concen: 20.000 ng

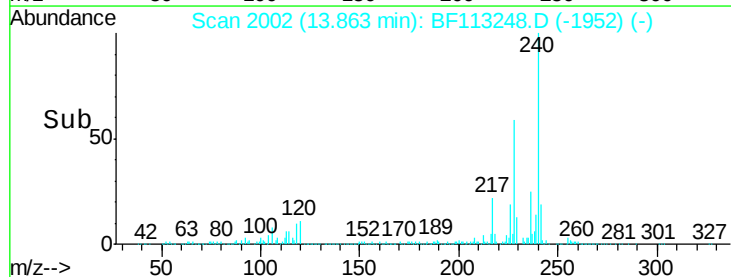
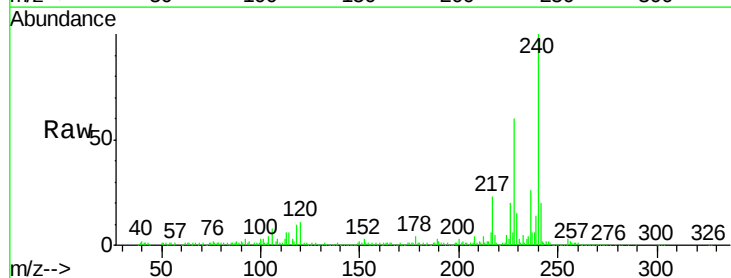
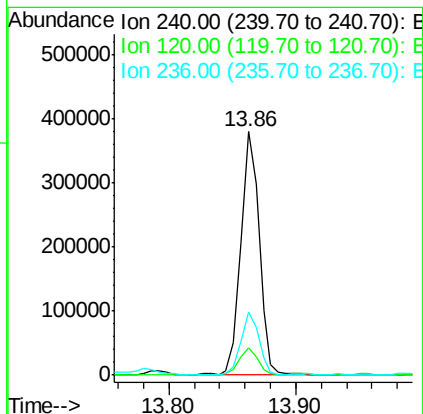
RT: 13.86 min Scan# 2002

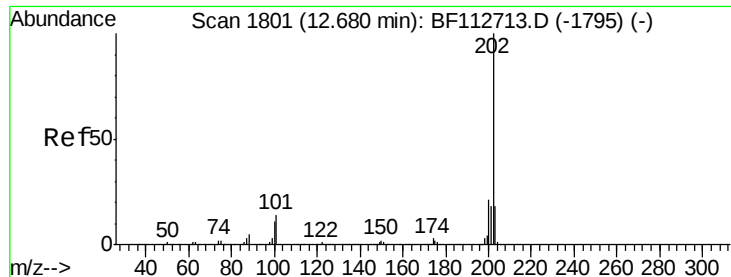
Delta R.T. -0.01 min

Lab File: BF113248.D

Acq: 22 Mar 2019 21:38

Tgt	Ion	240	Resp:	375523
Ion	Ratio	Lower	Upper	
240	100			
120	11.0	8.9	13.3	
236	26.1	20.7	31.1	





#78

Pyrene

Concen: 87.759 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.01 min

Lab File: BF113248.D

Acq: 22 Mar 2019 21:38

Instrument :

BNA_F

ClientSampleId :

CS-5

Tgt Ion:202 Resp: 2778238

Ion Ratio Lower Upper

202 100

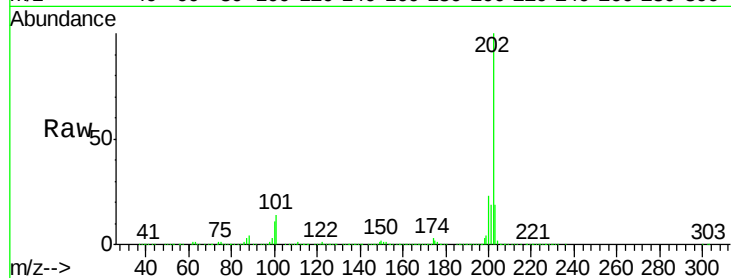
200 22.6 17.0 25.4

203 19.2 14.4 21.6

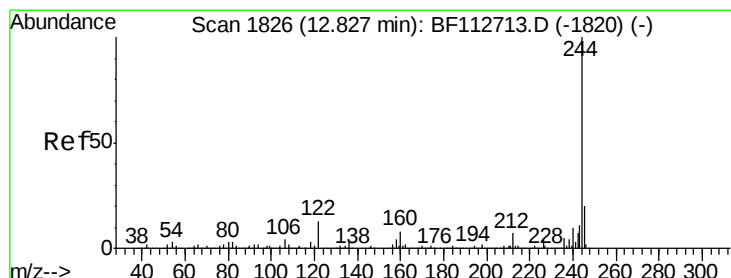
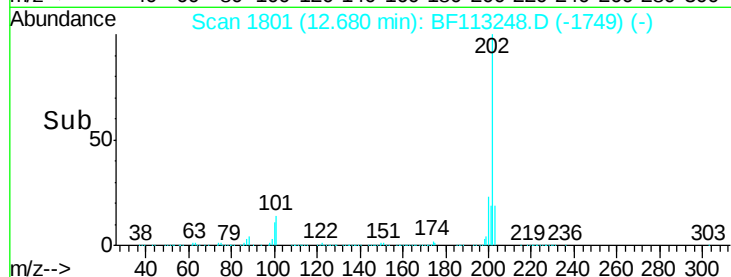
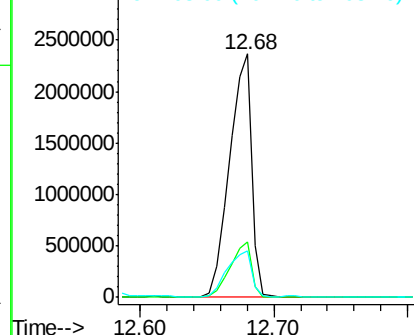
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 15.324 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF113248.D

Acq: 22 Mar 2019 21:38

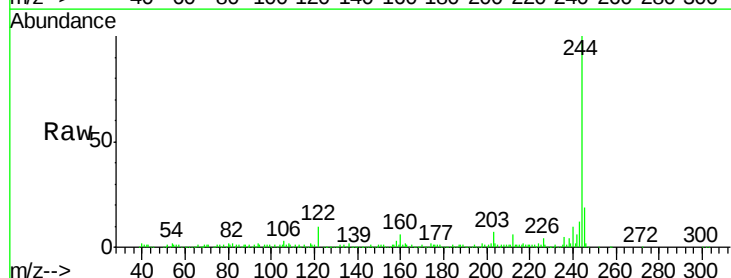
Tgt Ion:244 Resp: 296854

Ion Ratio Lower Upper

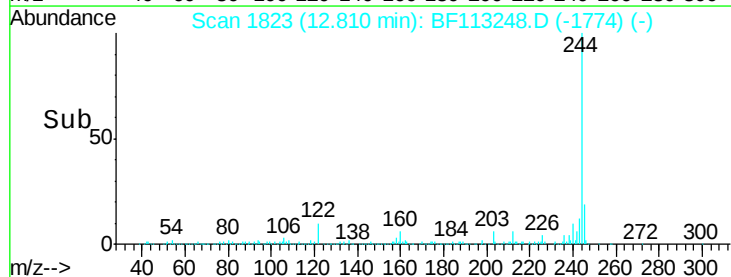
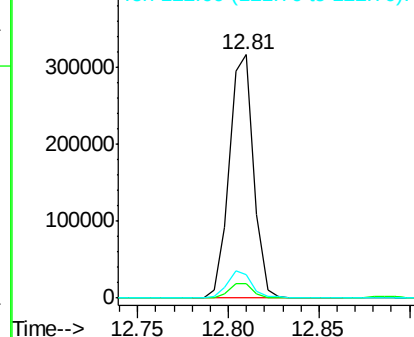
244 100

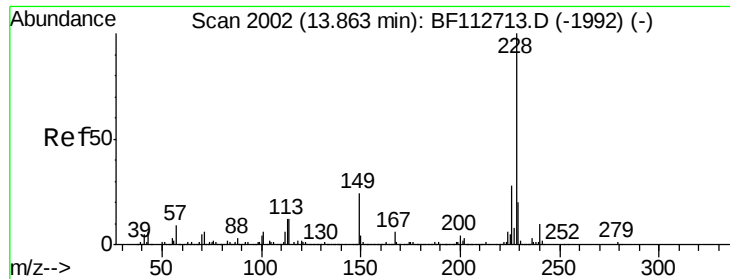
212 6.2 5.6 8.4

122 9.9 10.5 15.7#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





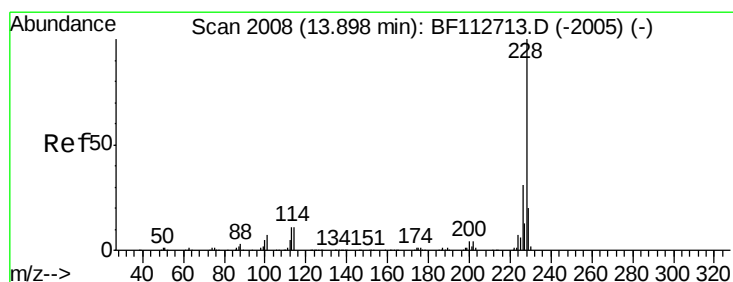
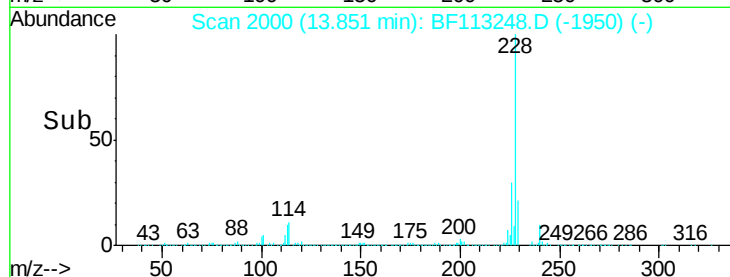
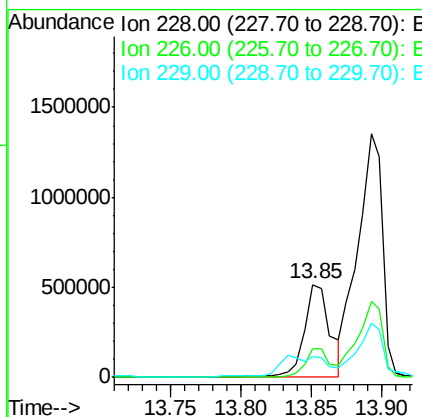
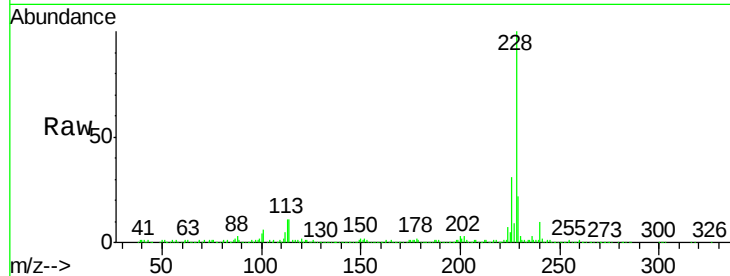
#81
Benzo(a)anthracene
Concen: 25.032 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF113248.D
Acq: 22 Mar 2019 21:38

Instrument :
BNA_F
ClientSampleId :
CS-5

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.2	33.4
229	22.0	16.0	24.0

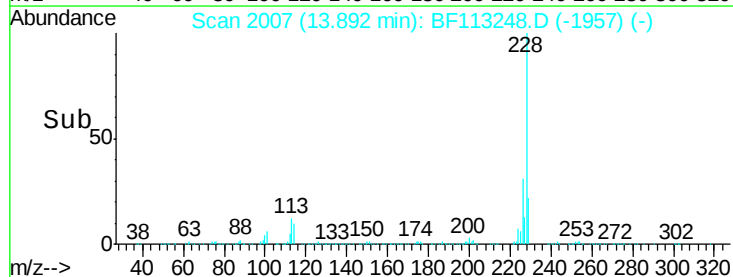
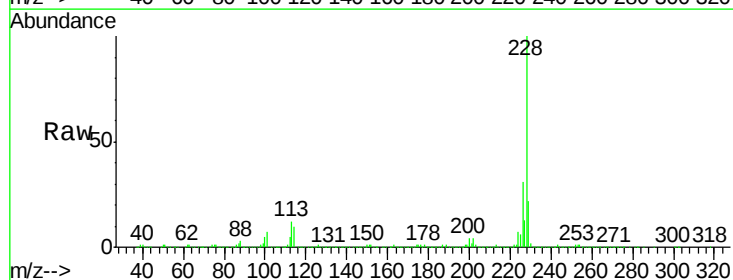
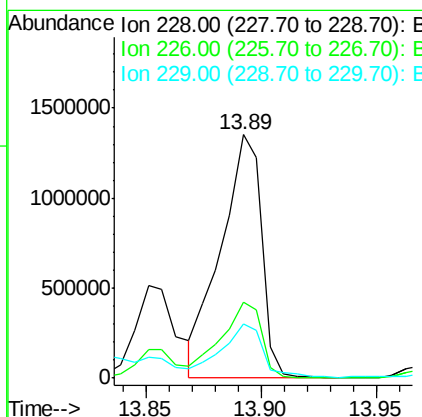
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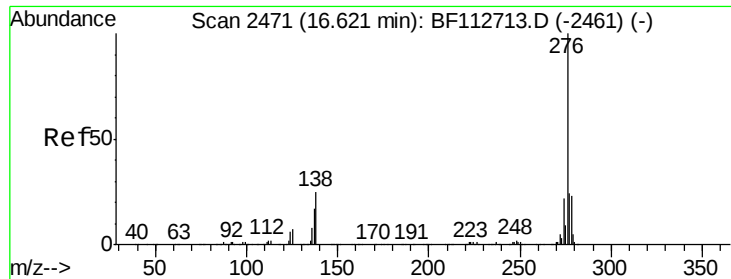
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#83
Chrysene
Concen: 64.897 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF113248.D
Acq: 22 Mar 2019 21:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	22.2	16.3	24.5





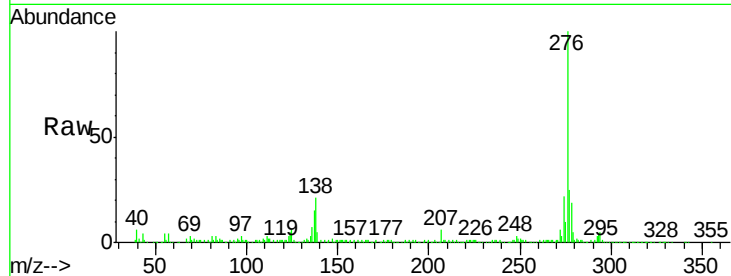
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 10.642 ng
 RT: 16.63 min Scan# 2473
 Delta R.T. -0.01 min
 Lab File: BF113248.D
 Acq: 22 Mar 2019 21:38

Instrument :
 BNA_F
 ClientSampleId :
 CS-5

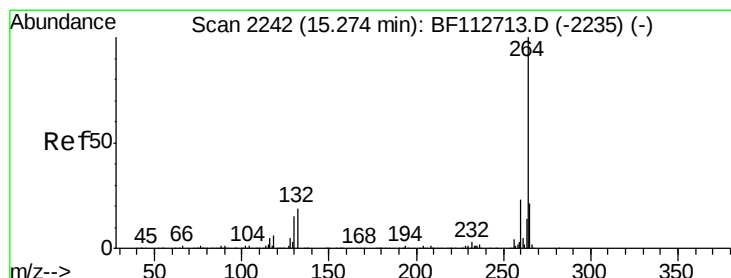
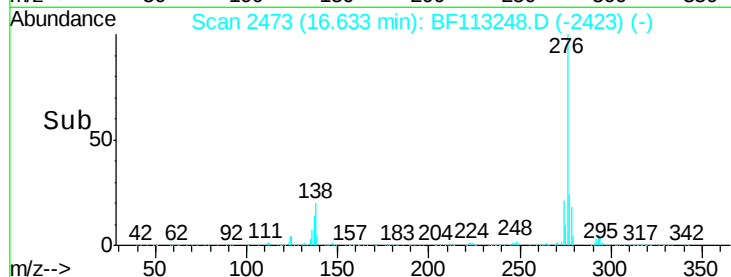
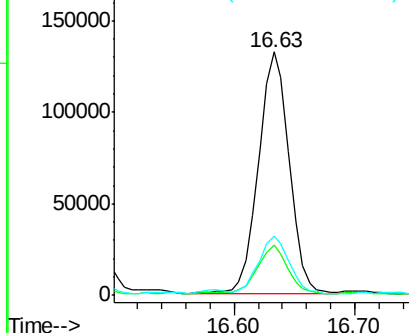
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	23.2	34.8#
277	24.2	19.9	29.9

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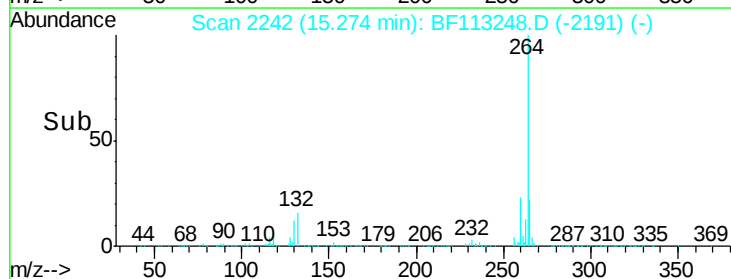
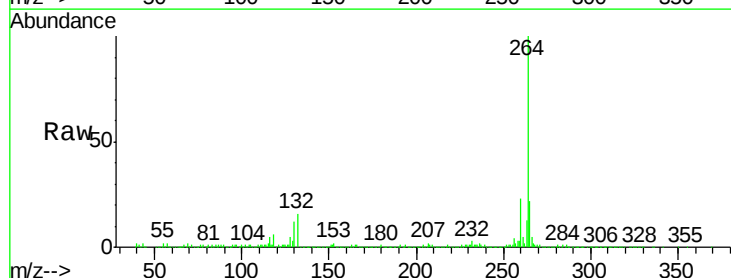
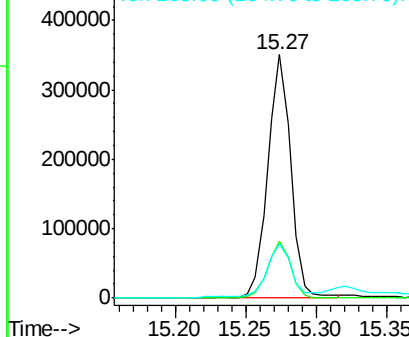
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

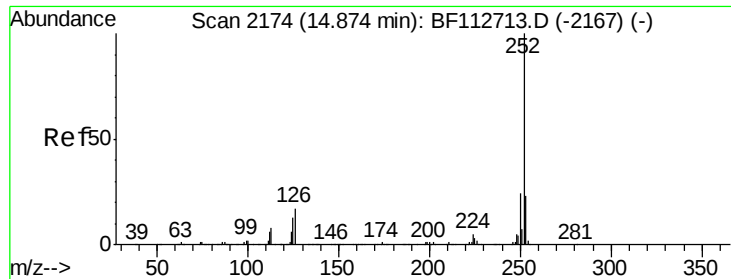


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BF113248.D
 Acq: 22 Mar 2019 21:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	22.5	17.2	25.8

Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





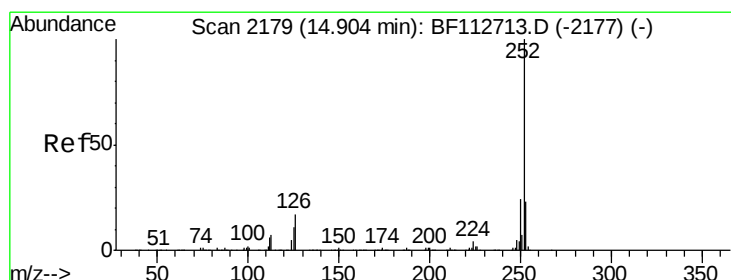
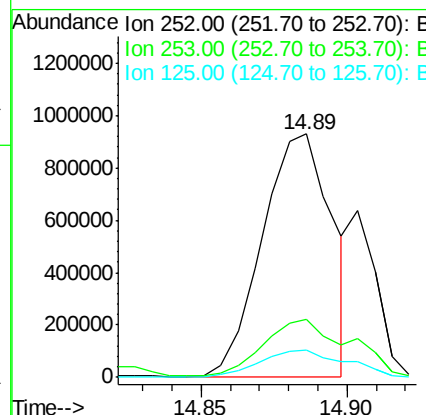
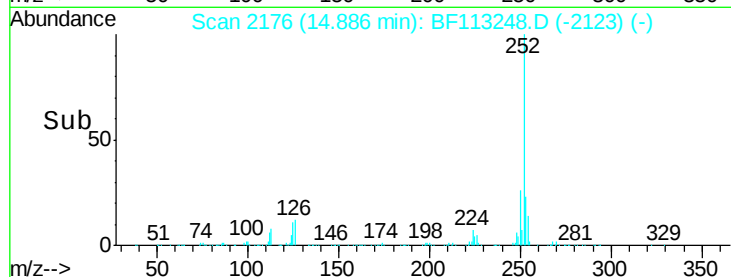
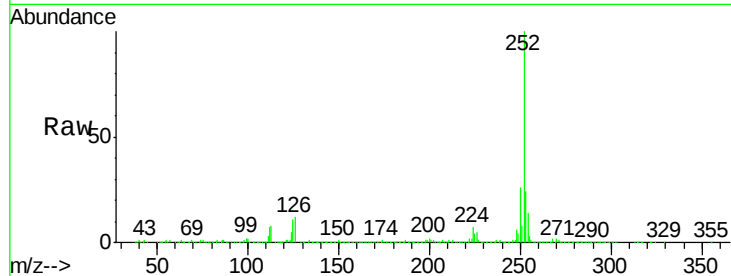
#88
Benzo(b)fluoranthene
Concen: 60.009 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF113248.D
Acq: 22 Mar 2019 21:38

Instrument :
BNA_F
ClientSampleId :
CS-5

Tgt Ion:252 Resp: 1555234
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 11.2 10.2 15.2

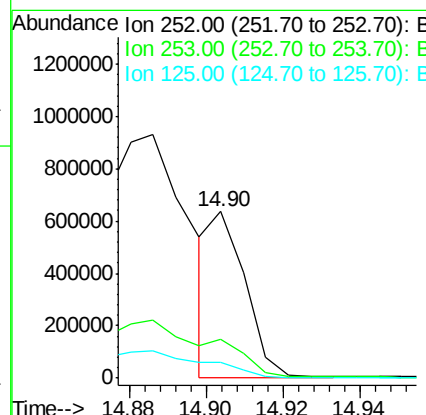
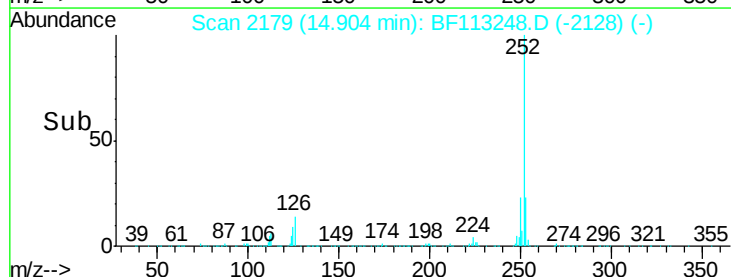
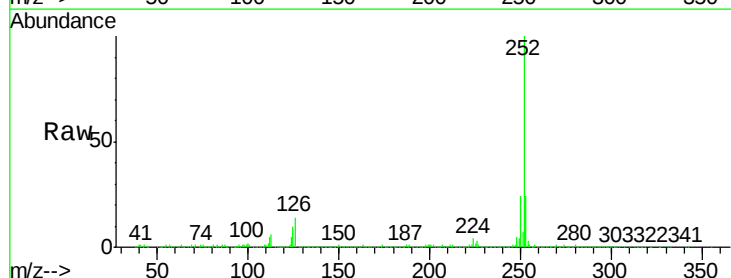
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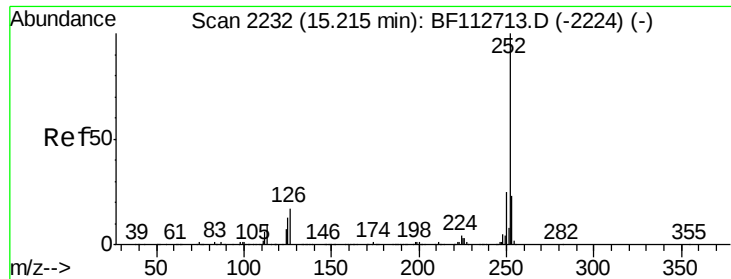
Sohil
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#89
Benzo(k)fluoranthene
Concen: 17.200 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BF113248.D
Acq: 22 Mar 2019 21:38

Tgt Ion:252 Resp: 403773
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 9.8 9.8 14.6





#90

Benzo(a)pyrene

Concen: 15.655 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BF113248.D

Acq: 22 Mar 2019 21:38

Instrument :

BNA_F

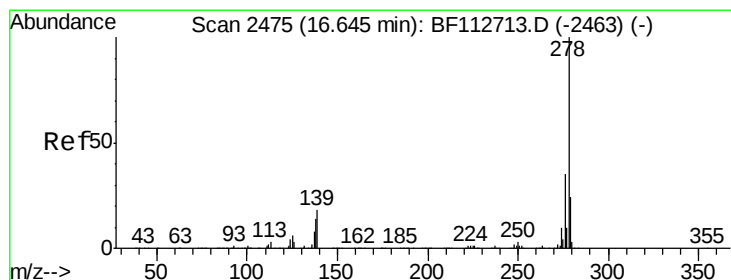
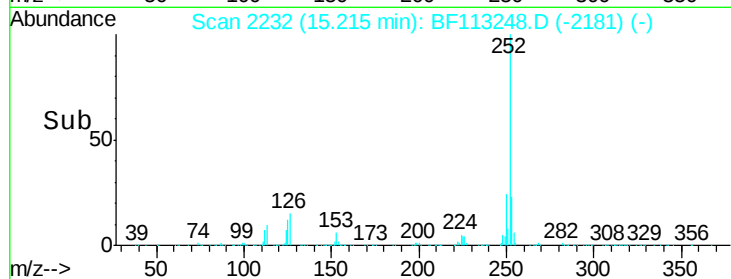
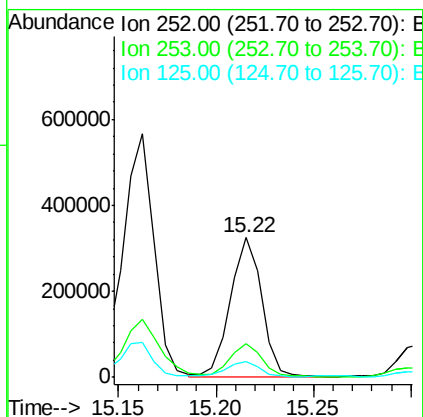
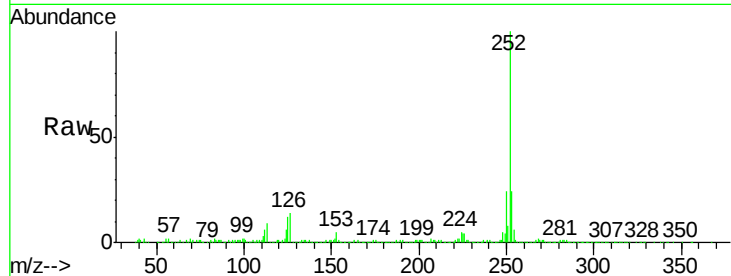
ClientSampled :

CS-5

Tgt Ion:	252	Resp:	358875
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.0	27.0
125	11.5	10.7	16.1

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#91

Dibenzo(a,h)anthracene

Concen: 2.492 ng m

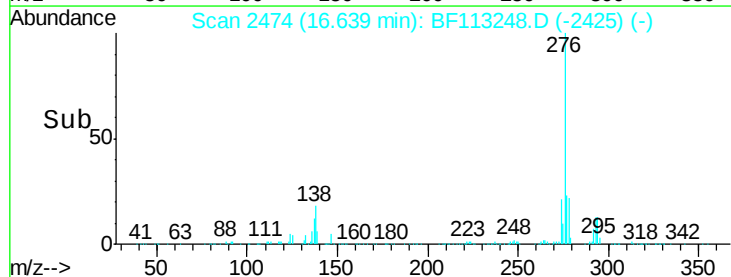
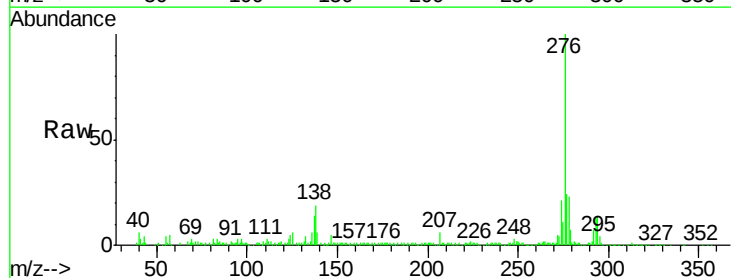
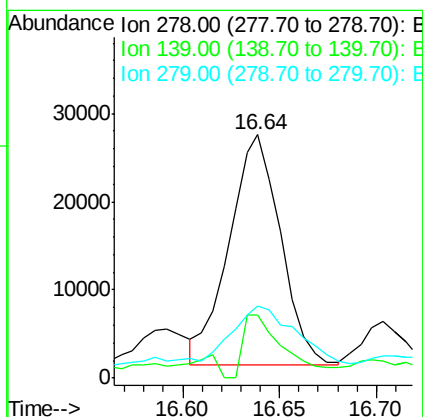
RT: 16.64 min Scan# 2474

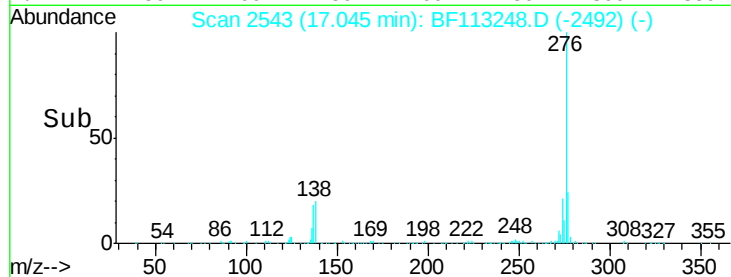
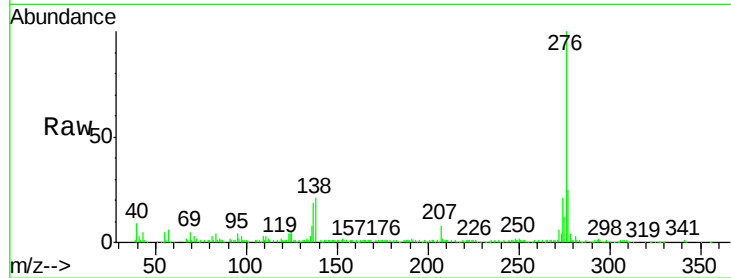
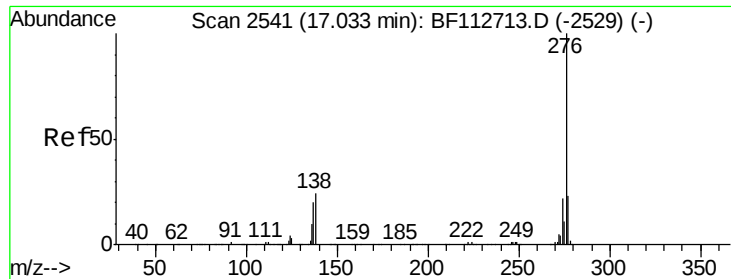
Delta R.T. -0.01 min

Lab File: BF113248.D

Acq: 22 Mar 2019 21:38

Tgt Ion:	278	Resp:	48754
Ion Ratio	Lower	Upper	
278	100		
139	26.0	14.3	21.5#
279	29.4	19.4	29.0#





#92

Benzo(g,h,i)perylene

Concen: 9.235 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.00 min

Lab File: BF113248.D

Acq: 22 Mar 2019 21:38

Instrument :

BNA_F

ClientSampleId :

CS-5

Tgt Ion:	276	Resp:	181395
Ion Ratio	Lower	Upper	
276	100		
277	25.0	18.6	27.8
138	20.7	19.4	29.0

Manual Integrations
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