

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114549.D
 Acq On : 24 May 2019 2:52
 Operator : JU/SJ
 Sample : K2994-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-S

Manual Integrations
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Quant Time: May 24 08:25:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	169290	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	644228	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	319405	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	672170	20.00	ng	0.00
76) Chrysene-d12	13.98	240	430145	20.00	ng	0.00
87) Perylene-d12	15.44	264	443716	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	938959	89.26	ng	0.00
7) Phenol-d6	6.46	99	1240127	99.67	ng	0.00
23) Nitrobenzene-d5	7.37	82	734786	64.01	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	318507	96.46	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1045749	49.53	ng	0.00
79) Terphenyl-d14	12.92	244	1027341	49.23	ng	0.00
Target Compounds						
10) Phenol	6.47	94	40326	2.755	ng	91
31) Naphthalene	8.12	128	64212	2.134	ng	96
50) Dimethylphthalate	9.56	163	159027	6.782	ng	99
71) Phenanthrene	11.36	178	179888	5.501	ng	98
72) Anthracene	11.41	178	73222	2.229	ng	98
75) Fluoranthene	12.55	202	408004	11.586	ng	100
78) Pyrene	12.78	202	365762	10.570	ng	96
81) Benzo(a)anthracene	13.97	228	183770	6.605	ng	98
83) Chrysene	14.00	228	159216	5.838	ng	98
86) Indeno(1,2,3-cd)pyrene	16.92	276	100507	4.170	ng	93
88) Benzo(b)fluoranthene	15.02	252	234016m	8.232	ng	
89) Benzo(k)fluoranthene	15.04	252	63453m	2.430	ng	
90) Benzo(a)pyrene	15.38	252	170558	6.817	ng	98
92) Benzo(a,h,i)perylene	17.36	276	87649	4.207	ng	98

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

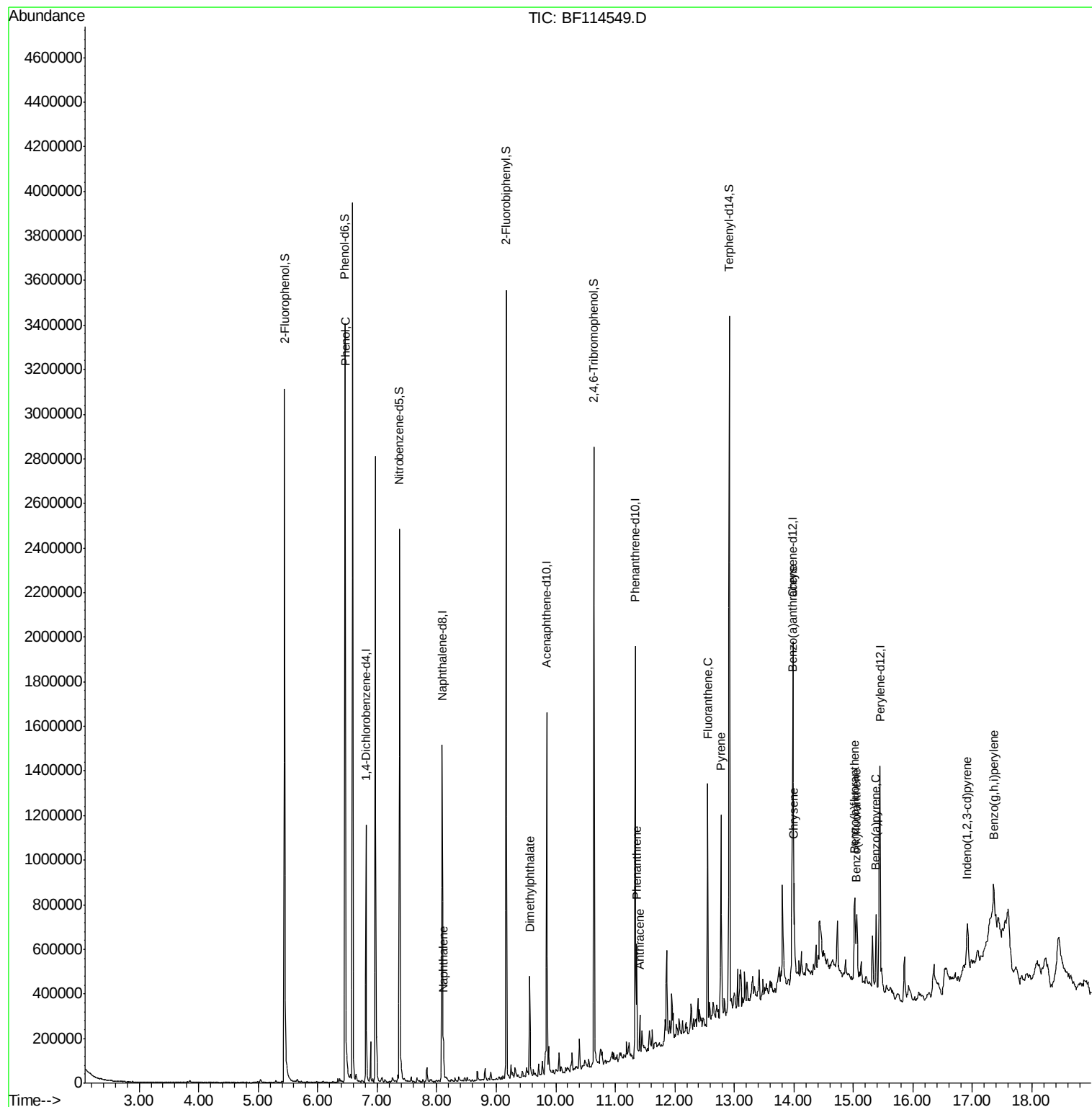
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114549.D
Acq On : 24 May 2019 2:52
Operator : JU/SJ
Sample : K2994-03
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ALS Vial : 18 Sample Multiplier: 1

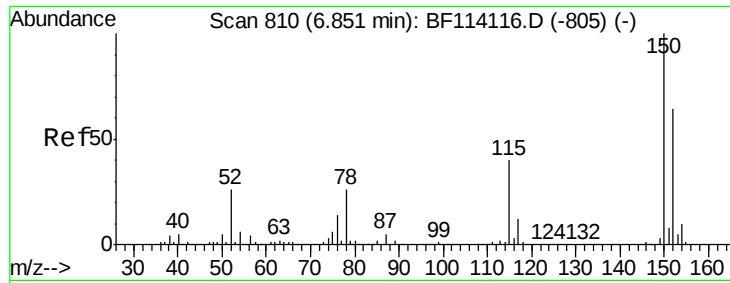
Instrument :
BNA_F
ClientSampled :
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#1

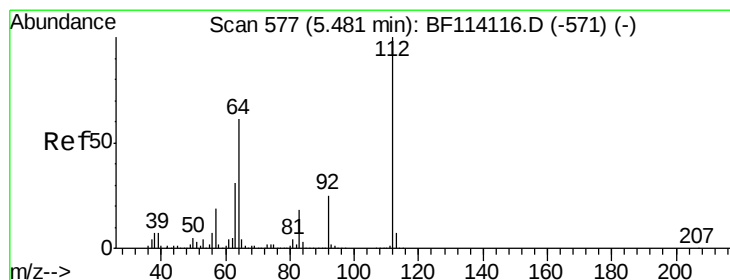
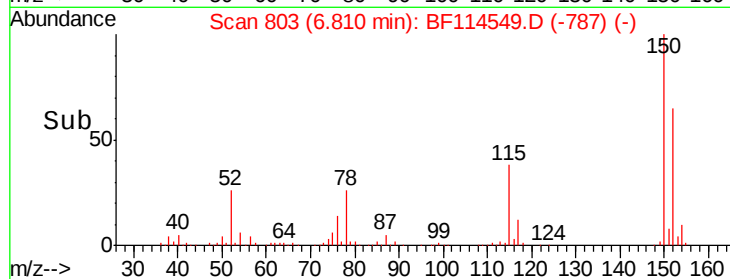
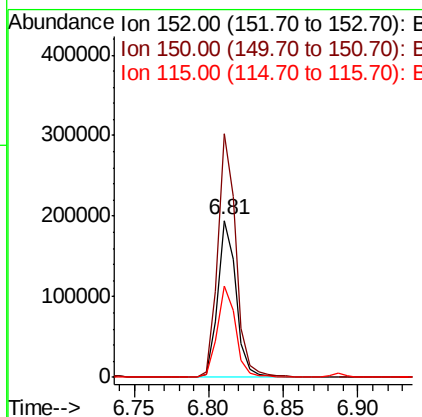
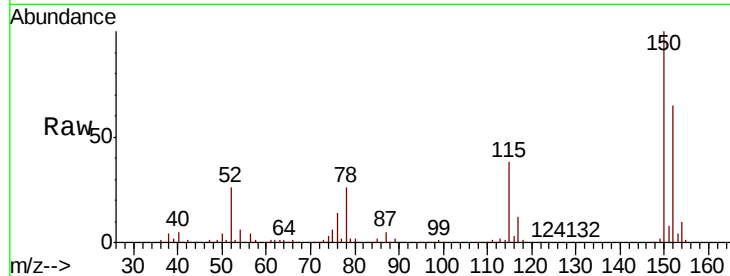
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Instrument :
BNA_F
ClientSampleId :
TP-8-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.3	186.5
115	58.5	49.1	73.7

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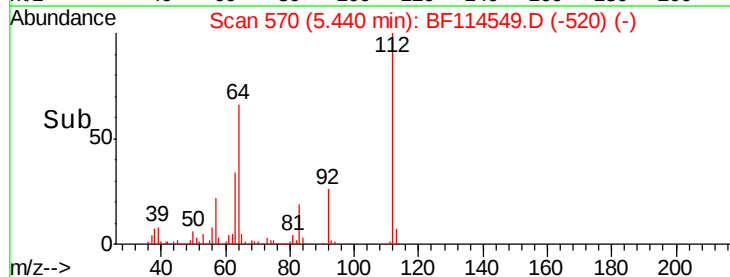
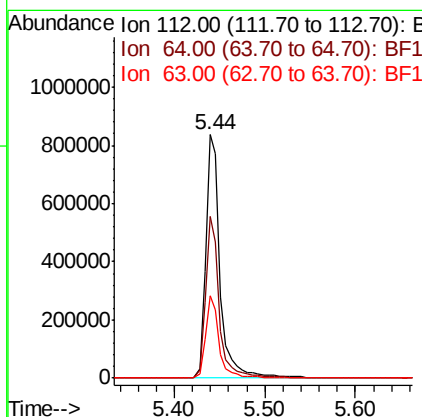
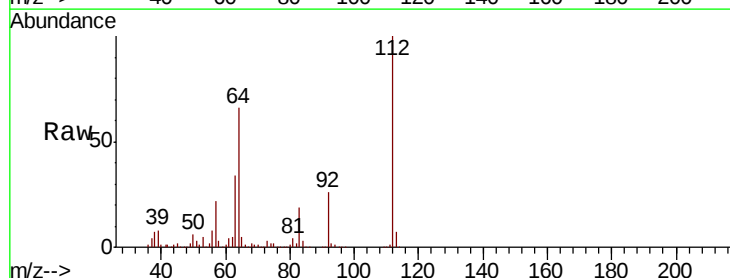
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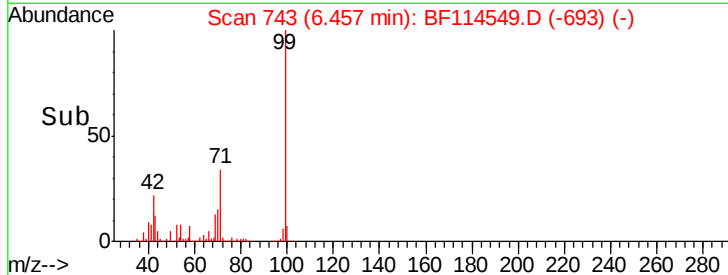
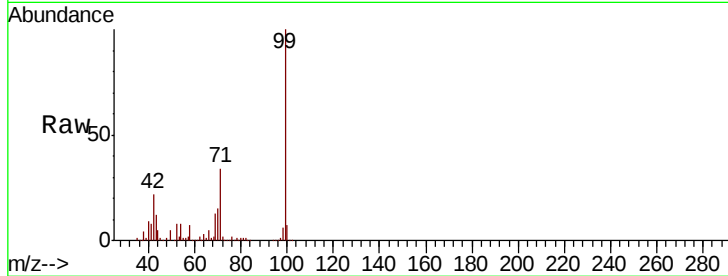
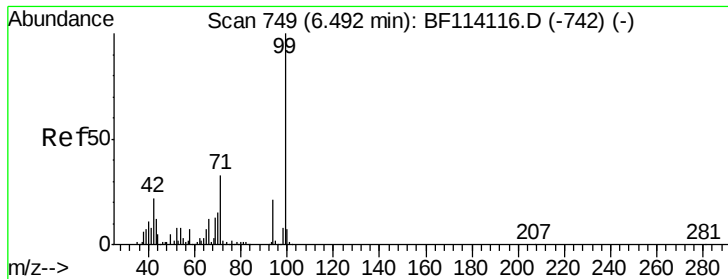


#5

2-Fluorophenol
Concen: 89.257 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	49.0	73.6
63	33.9	24.6	37.0





#7

Phenol-d6

Concen: 99.672 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF114549.D

Acq: 24 May 2019 2:52

Tot Ion:	99	Resp:	1240127
Ion	Ratio	Lower	Upper
99	100		
42	22.5	17.9	26.9
71	34.0	26.2	39.2

Instrument :

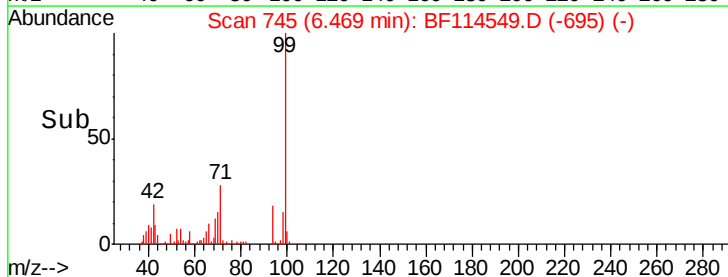
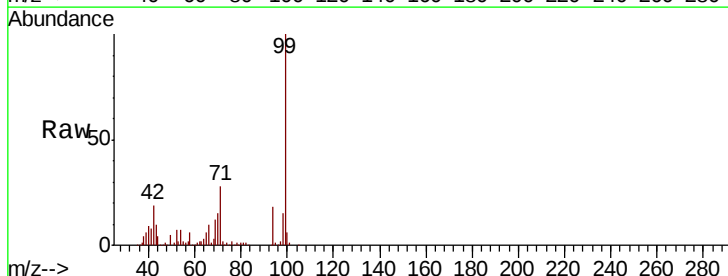
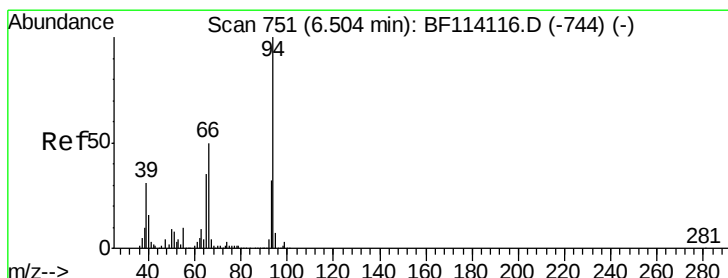
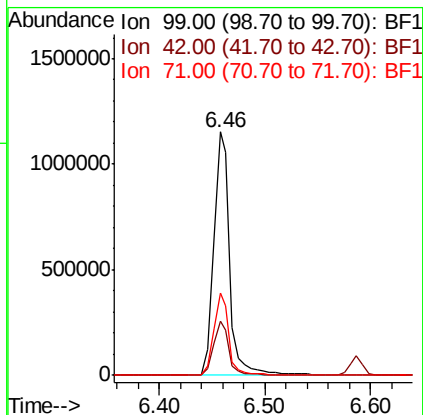
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 2.755 ng

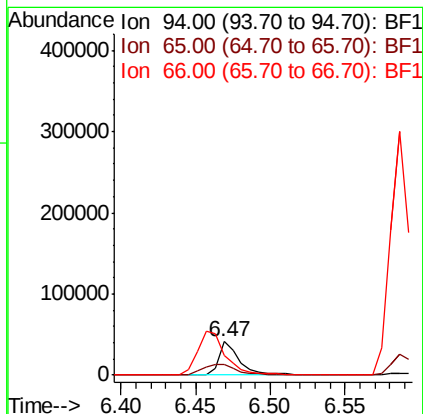
RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF114549.D

Acq: 24 May 2019 2:52

Tgt Ion:	94	Resp:	40326
Ion	Ratio	Lower	Upper
94	100		
65	32.9	14.7	54.7
66	58.0	29.6	69.6





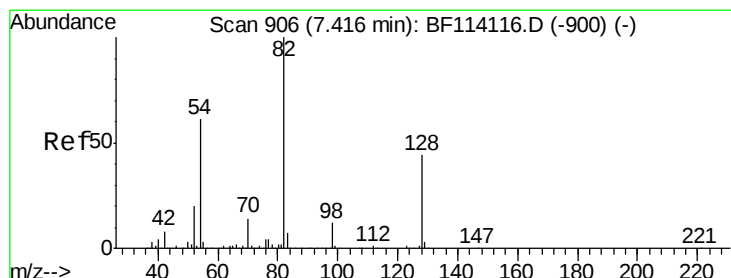
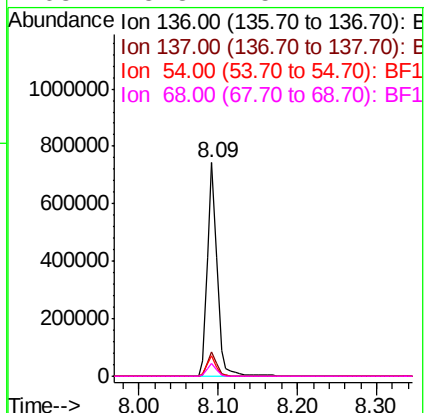
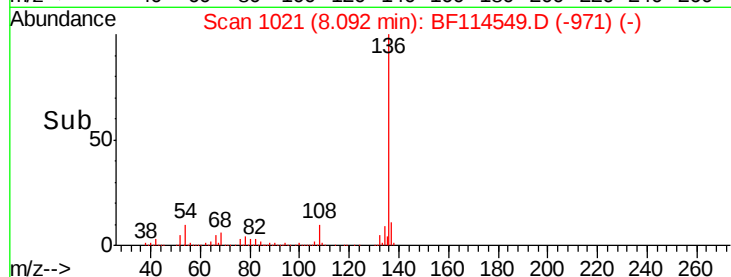
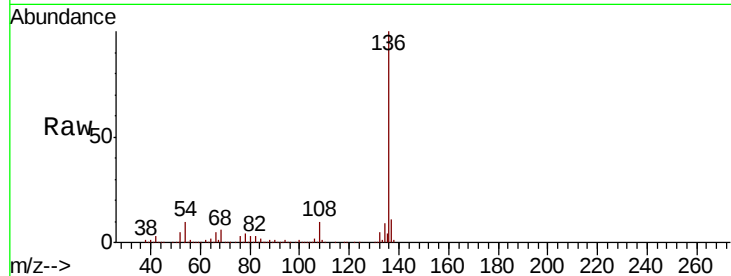
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Instrument :
BNA_F
ClientSampled :
TP-8-S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		644228		
137	11.1	8.8	13.2		
54	9.6	7.8	11.8		
68	5.8	5.1	7.7		

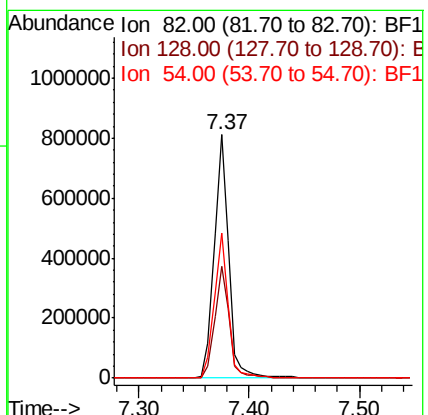
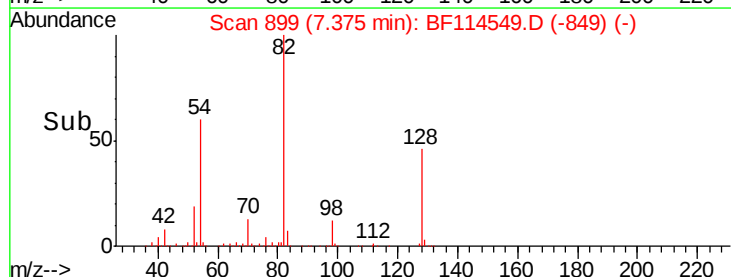
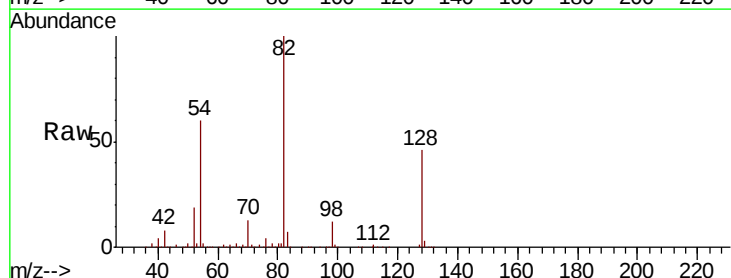
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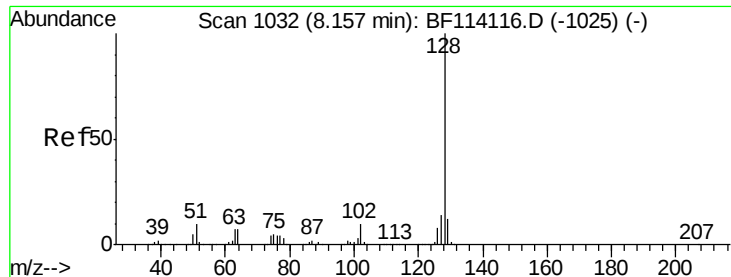
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#23
Nitrobenzene-d5
Concen: 64.009 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		734786		
128	45.7	35.5	53.3		
54	59.5	48.5	72.7		





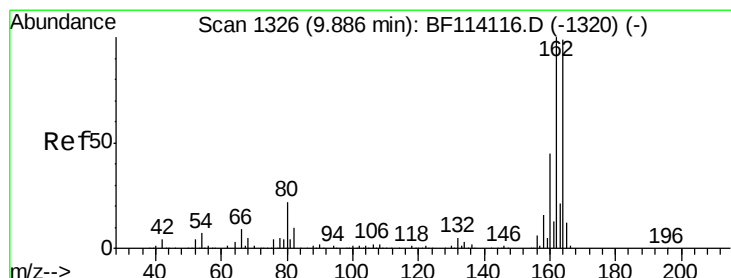
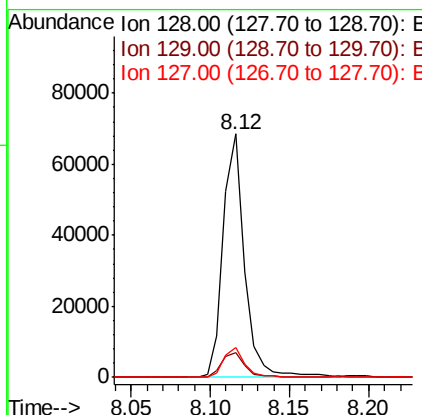
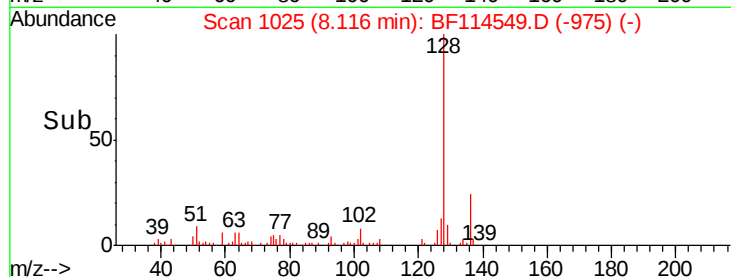
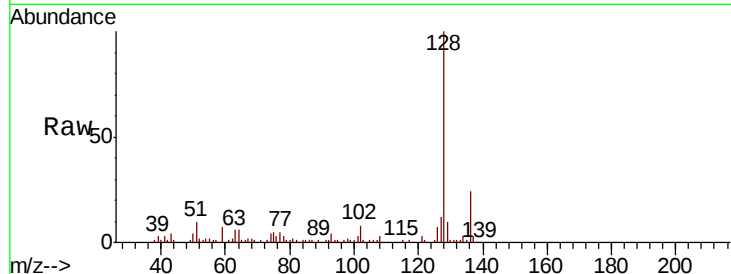
#31
Naphthalene
Concen: 2.134 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Instrument :
BNA_F
ClientSampleId :
TP-8-S

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.6	14.4
127	12.5	11.3	16.9

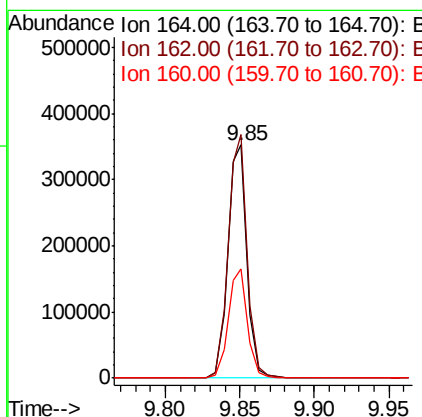
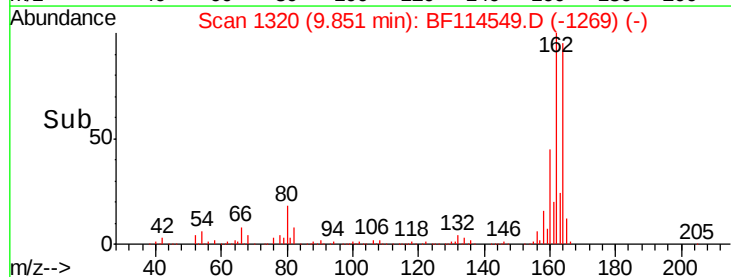
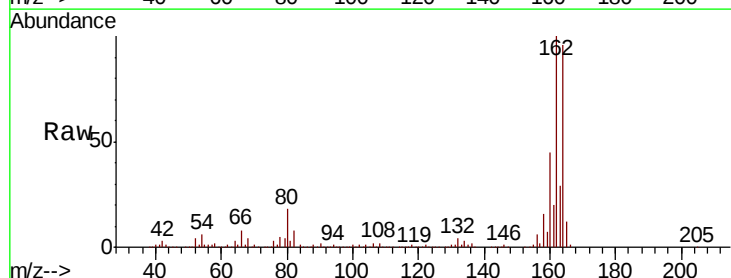
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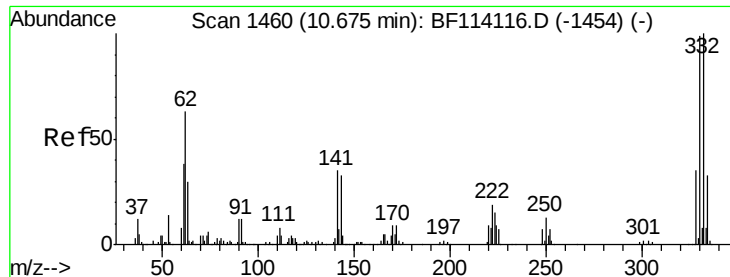
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	80.6	120.8
160	46.8	36.5	54.7





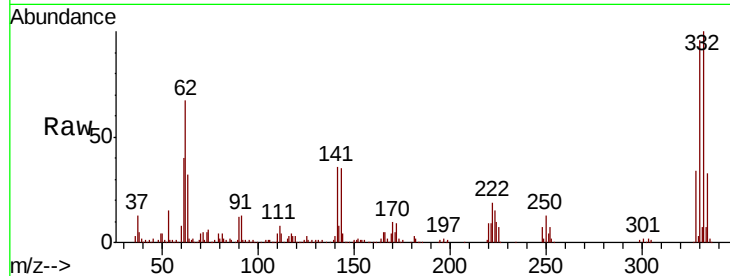
#42
 2,4,6-Tribromophenol
 Concen: 96.456 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF114549.D
 Acq: 24 May 2019 2:52

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-S

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	104.9	81.4	122.2	
141	33.7	26.6	40.0	

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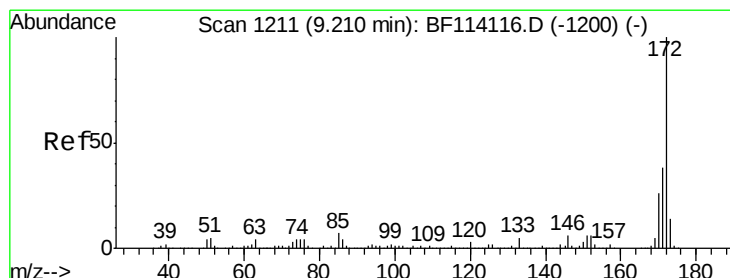
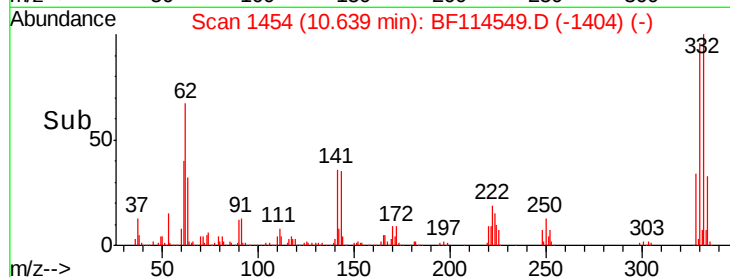
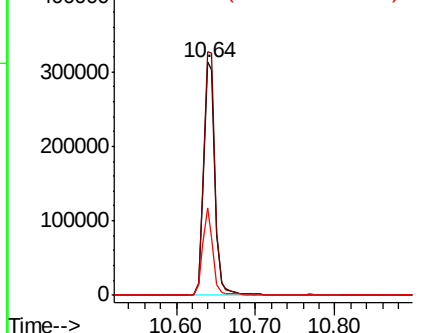


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 49.525 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF114549.D
 Acq: 24 May 2019 2:52

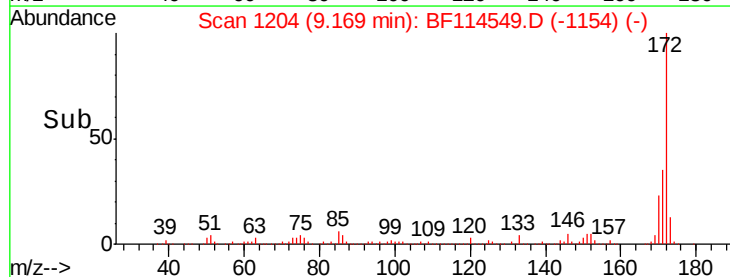
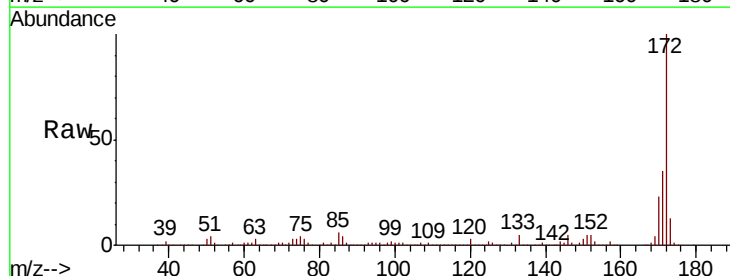
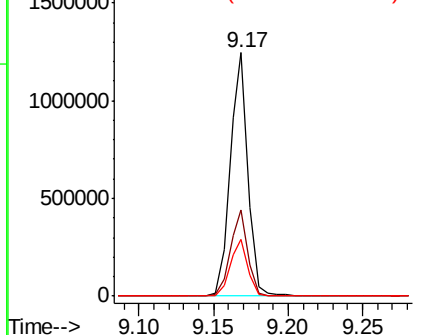
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	30.7	46.1	
170	23.5	20.5	30.7	

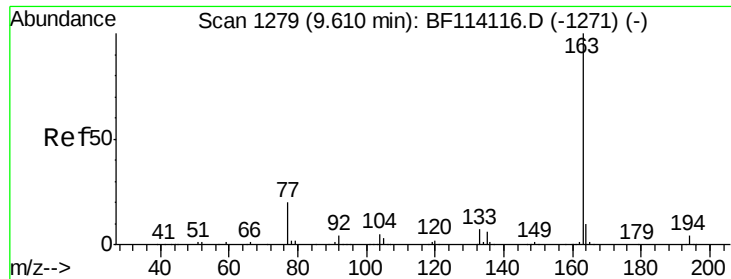
Abundance

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





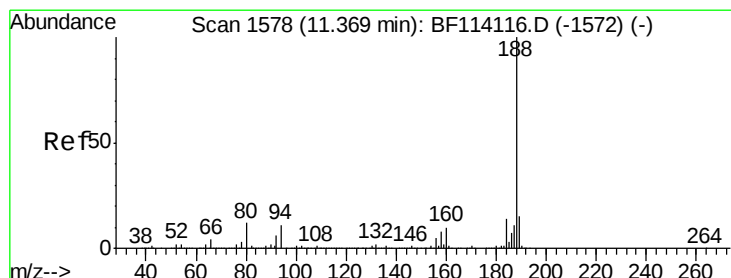
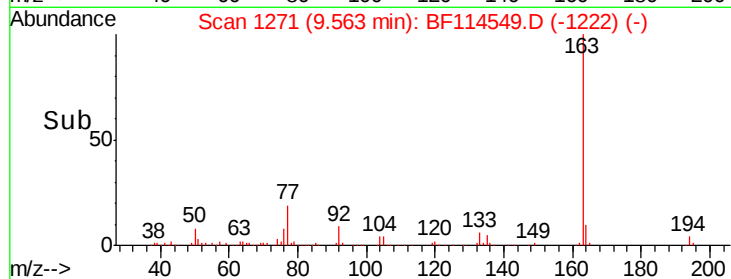
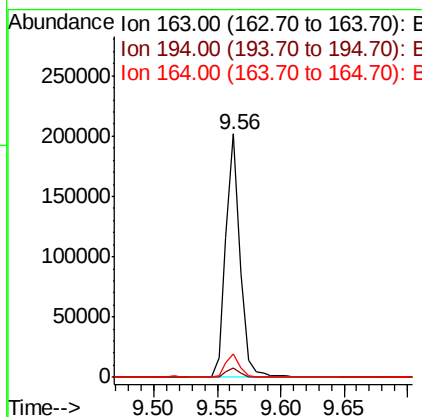
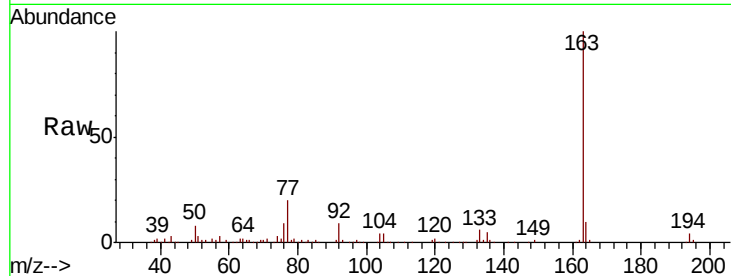
#50
Dimethylphthalate
Concen: 6.782 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Instrument :
BNA_F
ClientSampled :
TP-8-S

Tot Ion	Ratio	Resp	Lower	Upper
163	100	159027		
194	3.7		3.4	5.0
164	9.8		8.2	12.2

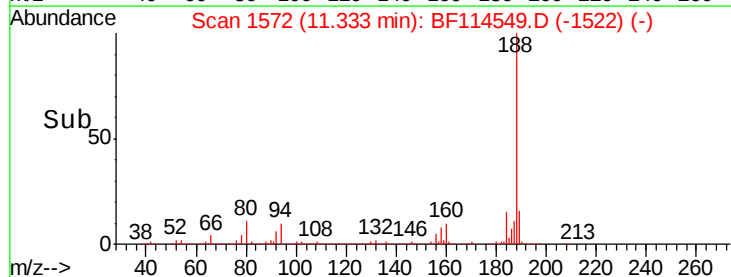
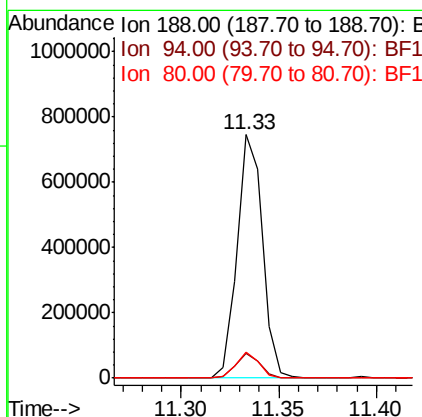
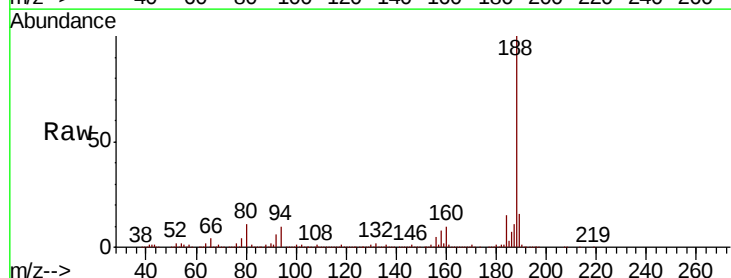
Manual Integrations
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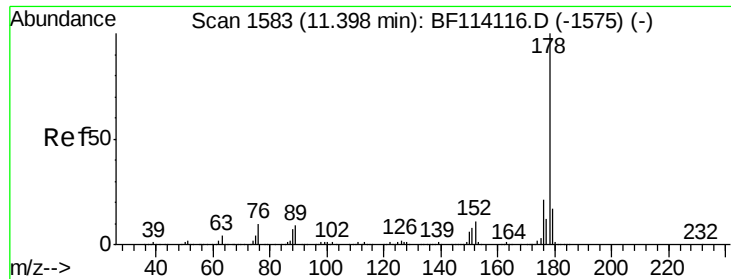
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	672170		
94	10.4		8.4	12.6
80	10.8		9.2	13.8





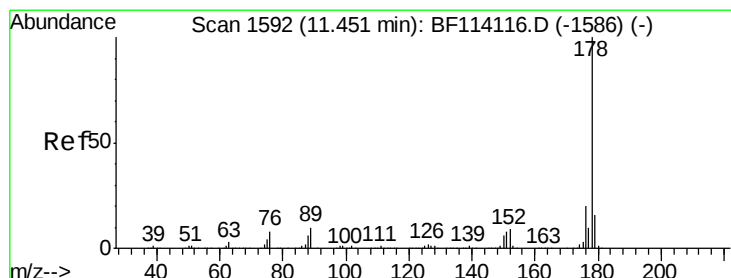
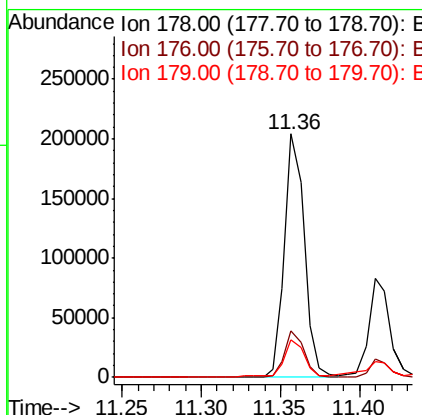
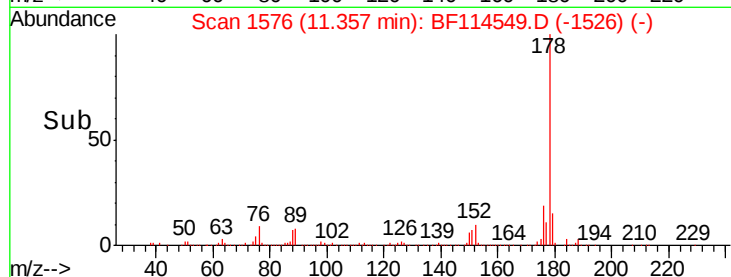
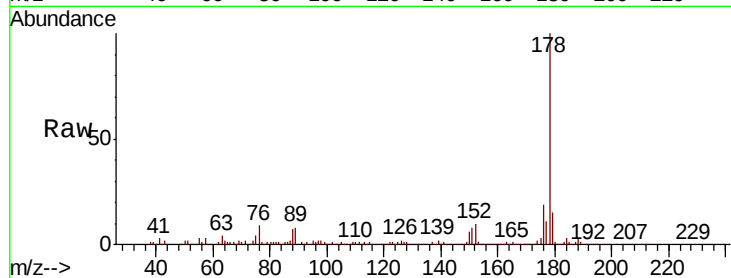
#71
Phenanthrene
Concen: 5.501 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Instrument :
BNA_F
ClientSampled :
TP-8-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.4	24.6
179	15.5	13.2	19.8

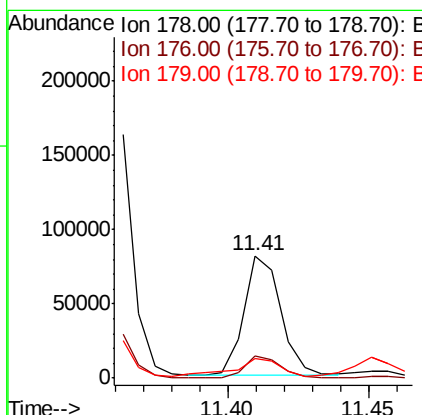
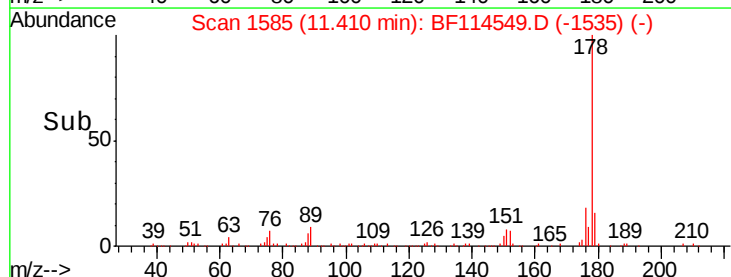
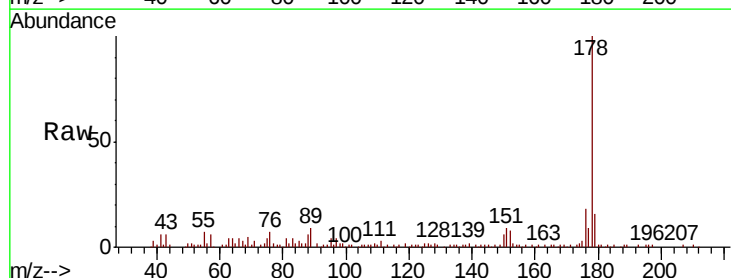
Manual Integrations
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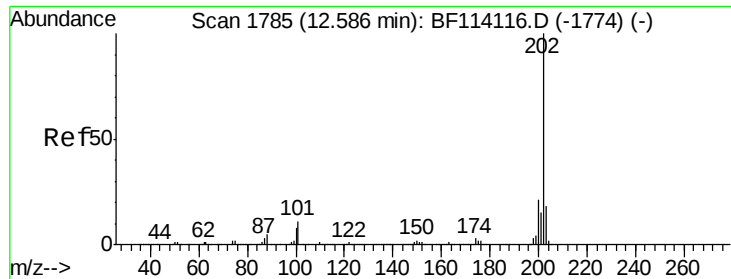
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#72
Anthracene
Concen: 2.229 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	16.3	13.0	19.4





#75

Fluoranthene

Concen: 11.586 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF114549.D

Acq: 24 May 2019 2:52

Instrument :

BNA_F

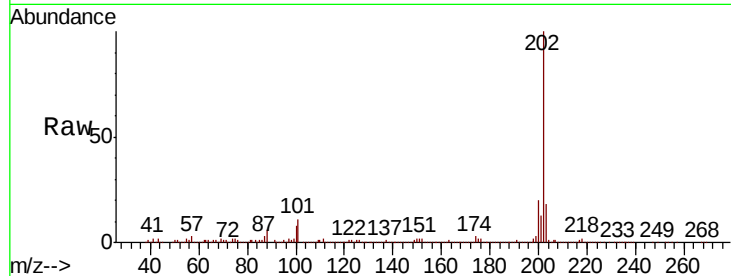
ClientSampled :

TP-8-S

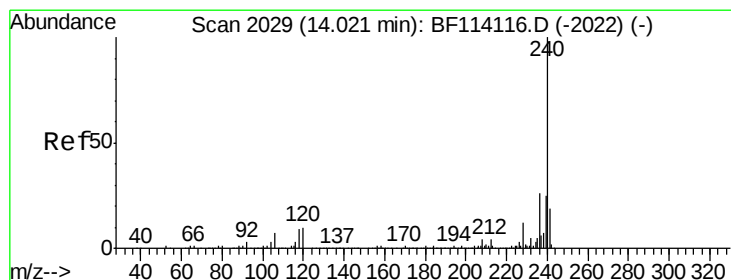
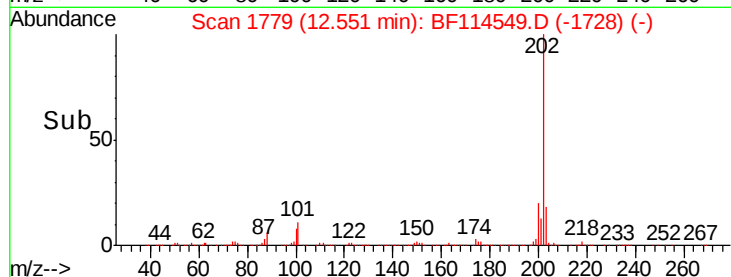
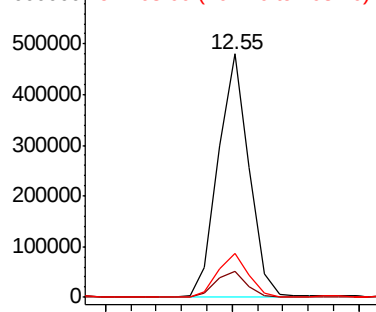
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		408004		
101	10.8	0.0	31.0		
203	18.2	0.0	38.4		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

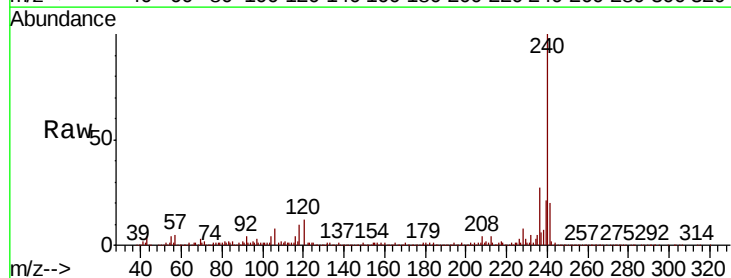
RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

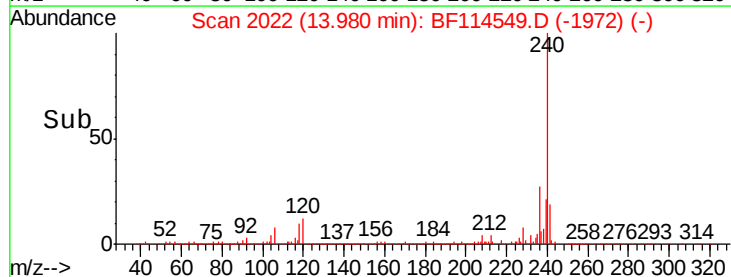
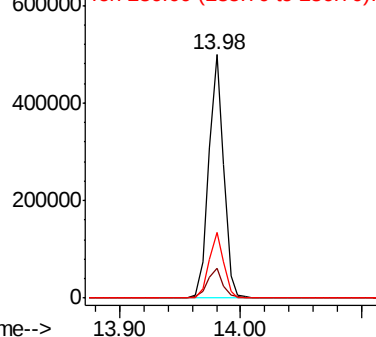
Lab File: BF114549.D

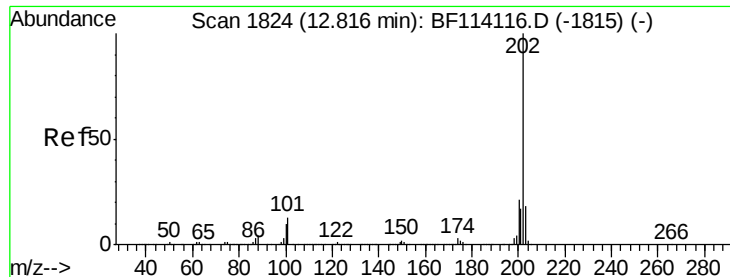
Acq: 24 May 2019 2:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		430145		
120	12.1	8.3	12.5		
236	26.8	20.8	31.2		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 10.570 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF114549.D

Acq: 24 May 2019 2:52

Instrument :

BNA_F

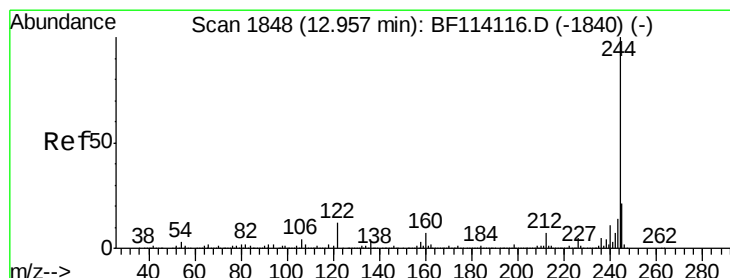
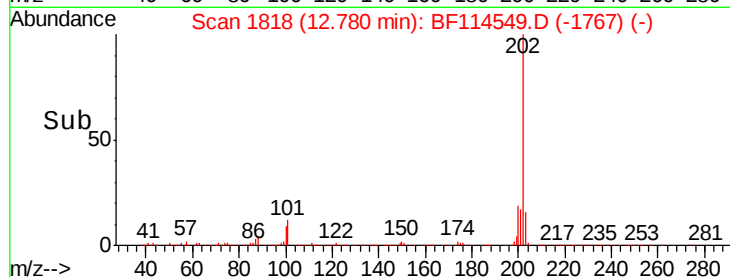
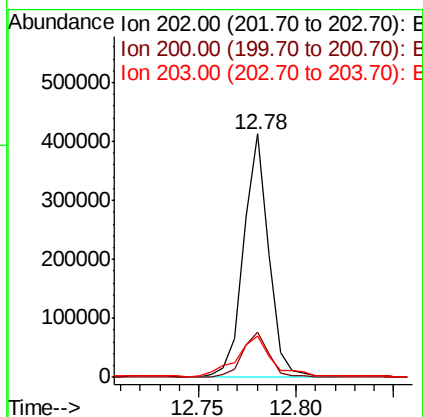
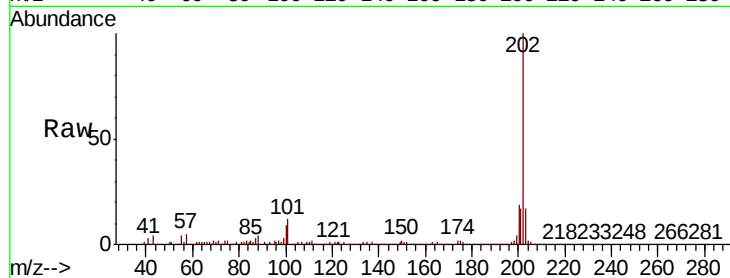
ClientSampled :

TP-8-S

Tot Ion:	202	Resp:	365762
Ion Ratio	Lower	Upper	
202	100		
200	18.8	16.9	25.3
203	16.9	14.5	21.7

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#79

Terphenyl-d14

Concen: 49.234 ng

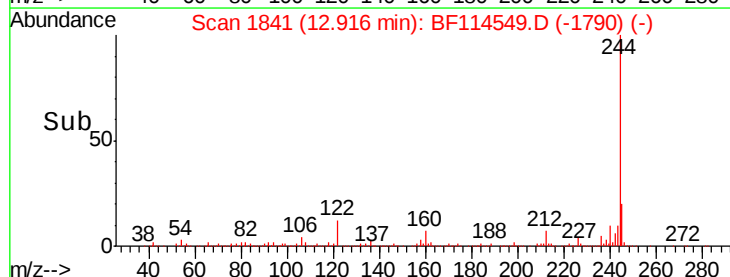
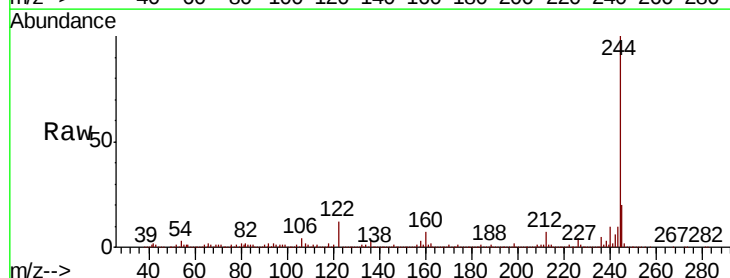
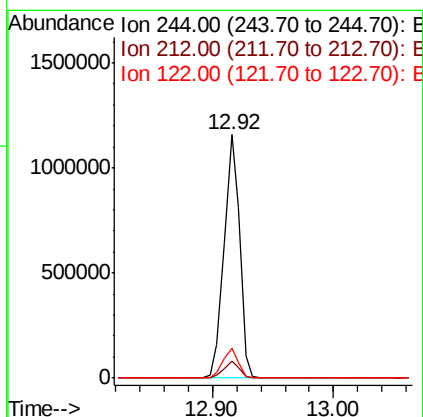
RT: 12.92 min Scan# 1841

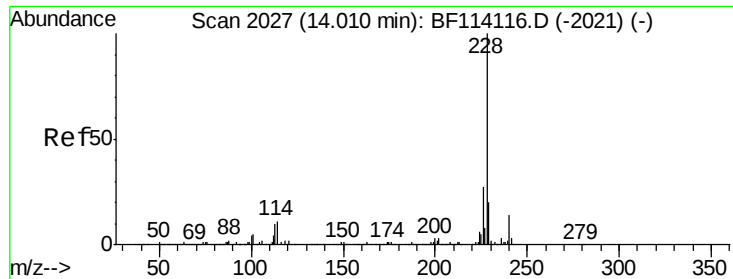
Delta R.T. -0.00 min

Lab File: BF114549.D

Acq: 24 May 2019 2:52

Tgt Ion:	244	Resp:	1027341
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.6
122	12.0	9.4	14.2





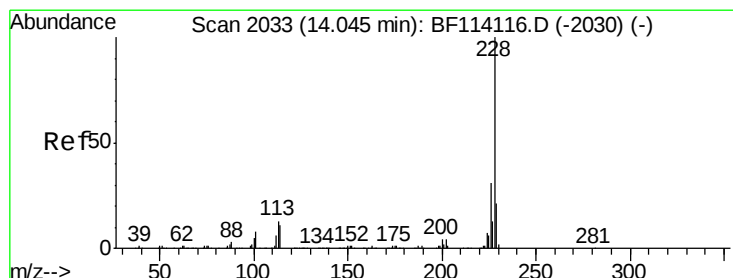
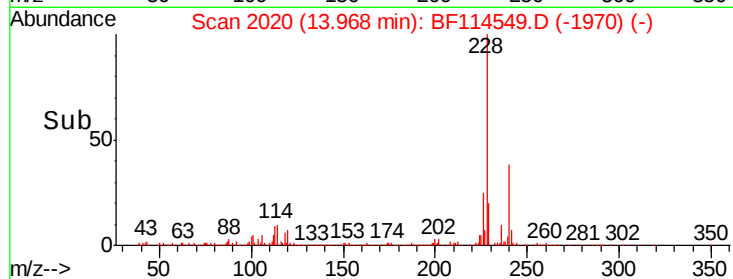
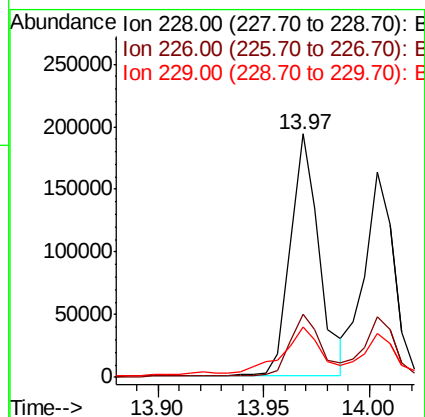
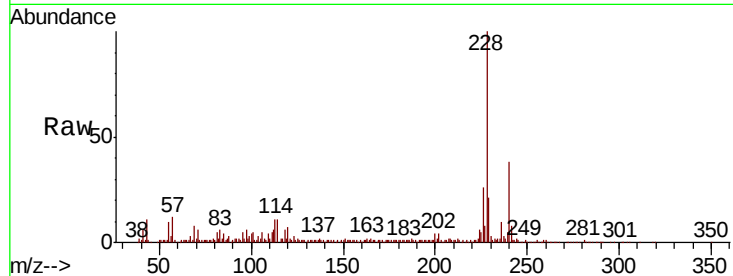
#81
Benzo(a)anthracene
Concen: 6.605 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Instrument :
BNA_F
ClientSampled :
TP-8-S

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.7	22.2	33.2
229	20.6	16.4	24.6

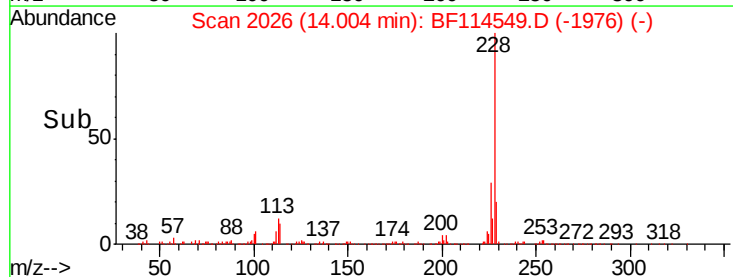
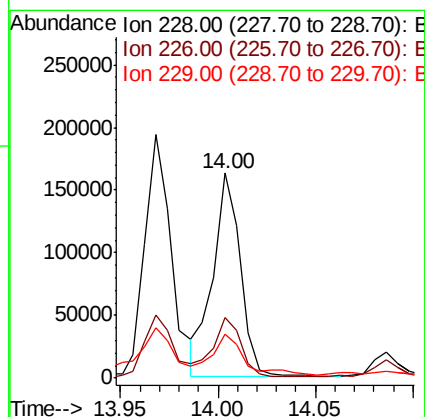
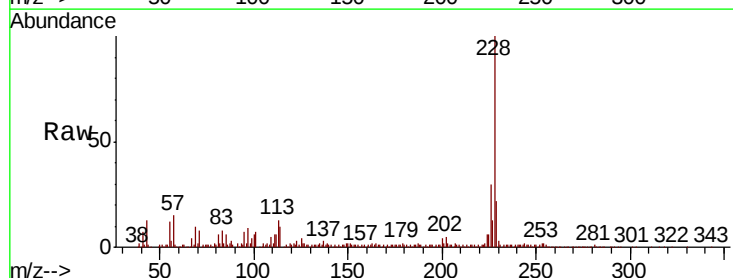
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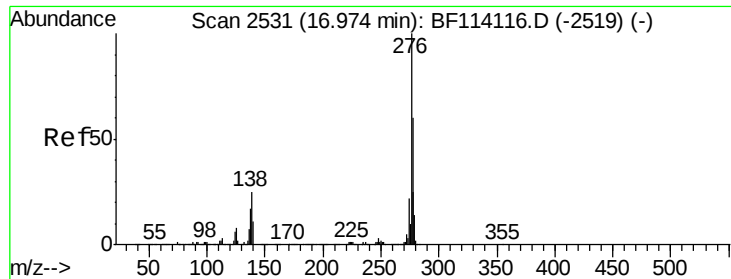
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#83
Chrysene
Concen: 5.838 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.5	17.0	25.6





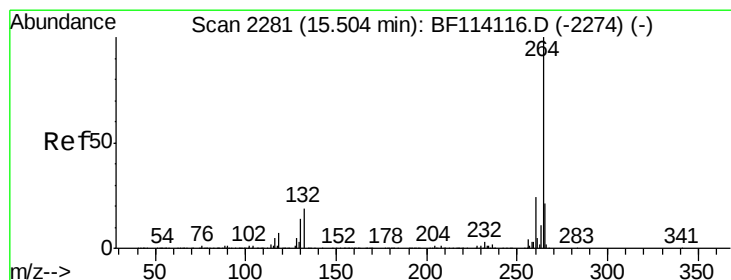
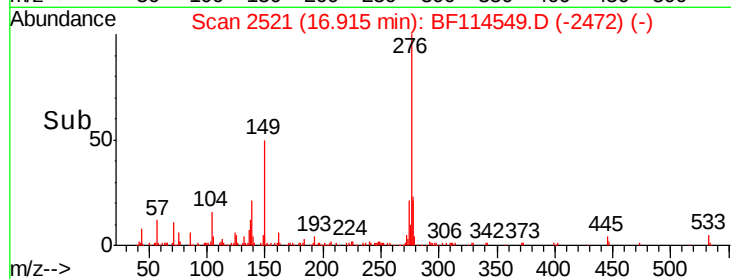
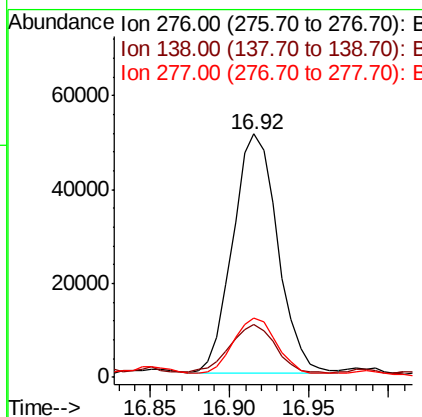
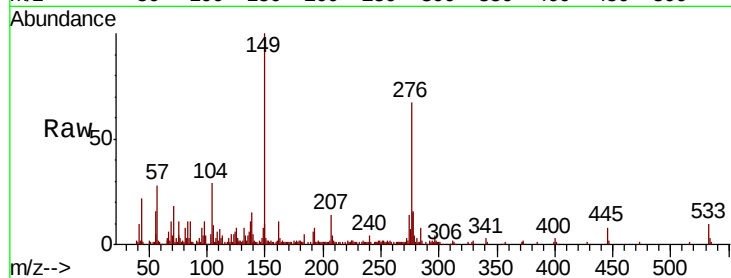
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.170 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.01 min
 Lab File: BF114549.D
 Acq: 24 May 2019 2:52

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-S

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	20.2	30.2
277	22.9	20.0	30.0

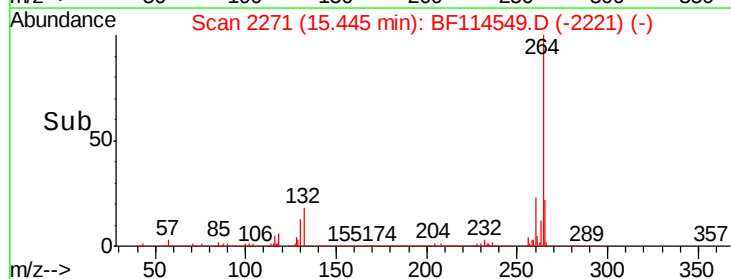
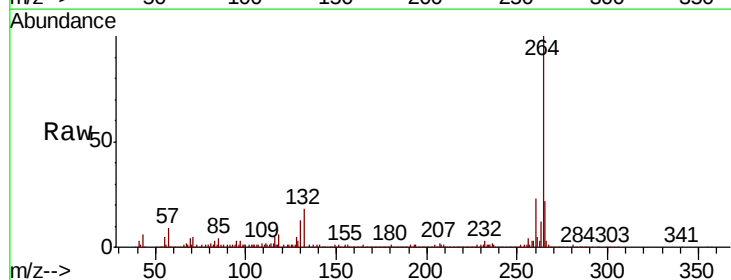
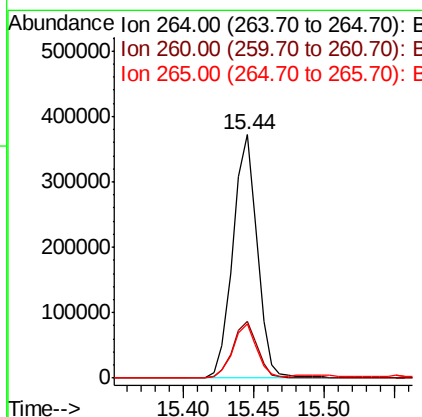
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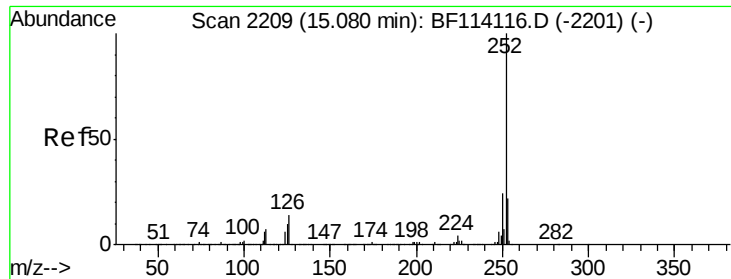
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF114549.D
 Acq: 24 May 2019 2:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.0
265	22.2	16.9	25.3





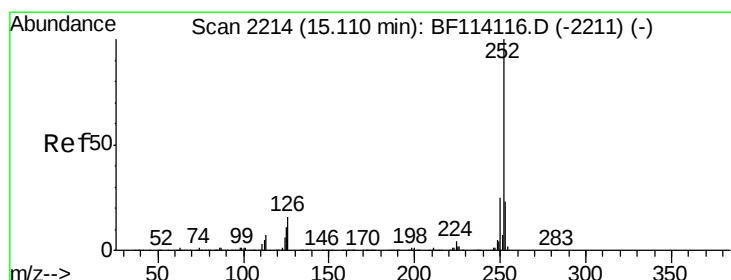
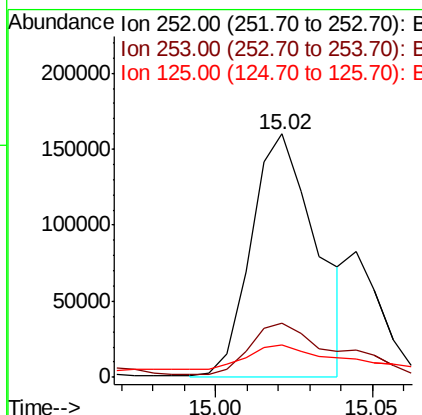
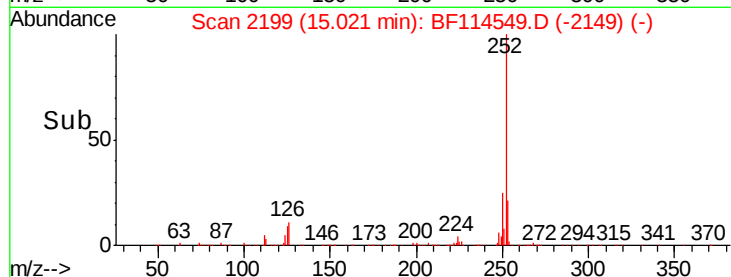
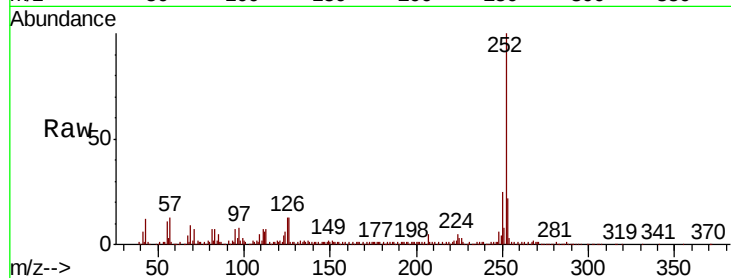
#88
Benzo(b)fluoranthene
Concen: 8.232 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Instrument :
BNA_F
ClientSampleId :
TP-8-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	13.1	8.3	12.5

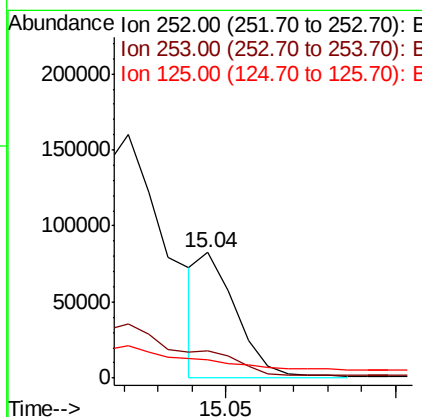
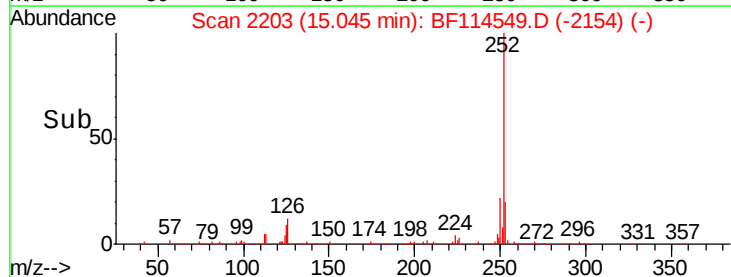
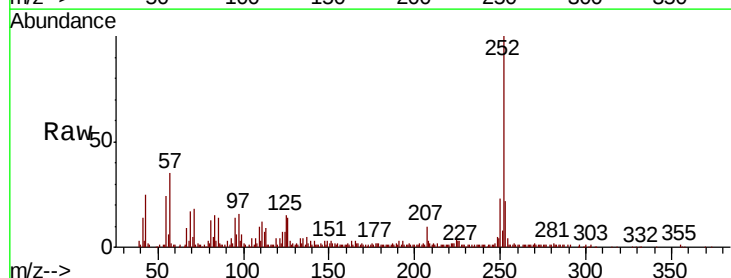
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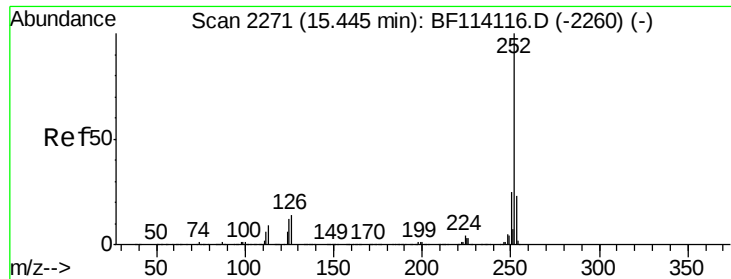
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#89
Benzo(k)fluoranthene
Concen: 2.430 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	14.7	8.6	13.0





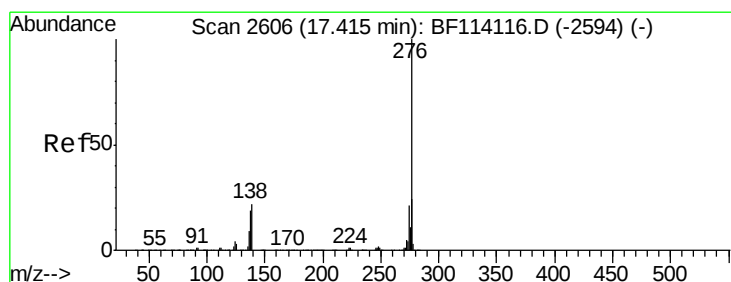
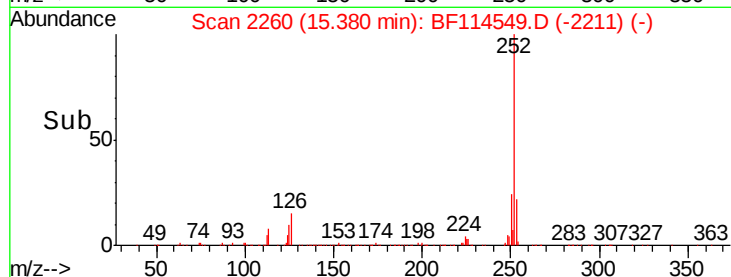
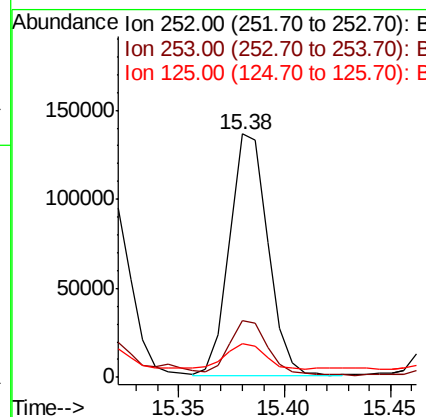
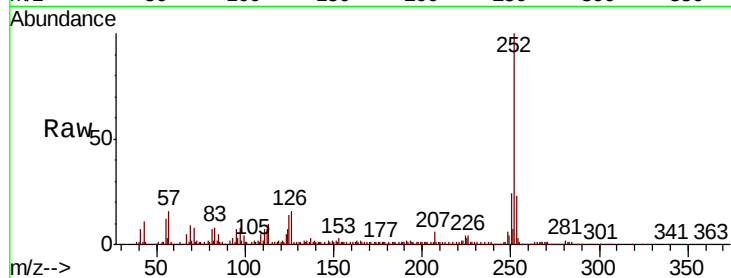
#90
Benzo(a)pyrene
Concen: 6.817 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Instrument :
BNA_F
ClientSampleId :
TP-8-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	13.9	9.5	14.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.207 ng
RT: 17.36 min Scan# 2597
Delta R.T. -0.01 min
Lab File: BF114549.D
Acq: 24 May 2019 2:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.0	28.4
138	22.5	17.8	26.6

