

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116636.D
 Acq On : 29 Aug 2019 1:02
 Operator : HP/JU
 Sample : K4574-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S702B-N-0.0-0.5-082719

Manual Integrations
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 8/29/2019 7:47:28 PM

Quant Time: Aug 29 04:23:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	108615	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	398768	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	185546	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	162892	20.00	ng	0.00
76) Chrysene-d12	14.01	240	87598	20.00	ng	0.00
87) Perylene-d12	15.46	264	104323	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	713049	113.39	ng	0.00
7) Phenol-d6	6.49	99	946553	111.03	ng	0.00
23) Nitrobenzene-d5	7.42	82	587711	84.33	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	113248	64.14	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	943619	84.64	ng	0.00
79) Terphenyl-d14	12.96	244	388088	72.05	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.50	94	58498	6.255	ng	97
32) Benzoic acid	7.84	122	9771	2.150	ng	95
50) Dimethylphthalate	9.60	163	96910	7.769	ng	99
52) Acenaphthene	9.93	154	26777	2.452	ng	99
71) Phenanthrene	11.40	178	235715	26.941	ng	99
72) Anthracene	11.45	178	49376	5.644	ng	99
73) Carbazole	11.60	167	25418	3.414	ng	97
74) Di-n-butylphthalate	11.94	149	119778	13.882	ng	98
75) Fluoranthene	12.59	202	241238	30.744	ng	98
78) Pyrene	12.82	202	178562	22.168	ng	97
81) Benzo(a)anthracene	14.00	228	69254	11.858	ng	98
83) Chrysene	14.03	228	72868	12.745	ng	97
86) Indeno(1,2,3-cd)pyrene	16.91	276	35767	11.290	ng	96
88) Benzo(b)fluoranthene	15.04	252	92812m	14.487	ng	
89) Benzo(k)fluoranthene	15.06	252	30172m	4.955	ng	
90) Benzo(a)pyrene	15.40	252	62927	11.006	ng	99
92) Benzo(a,h,i)perylene	17.35	276	31978	5.764	ng	97

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

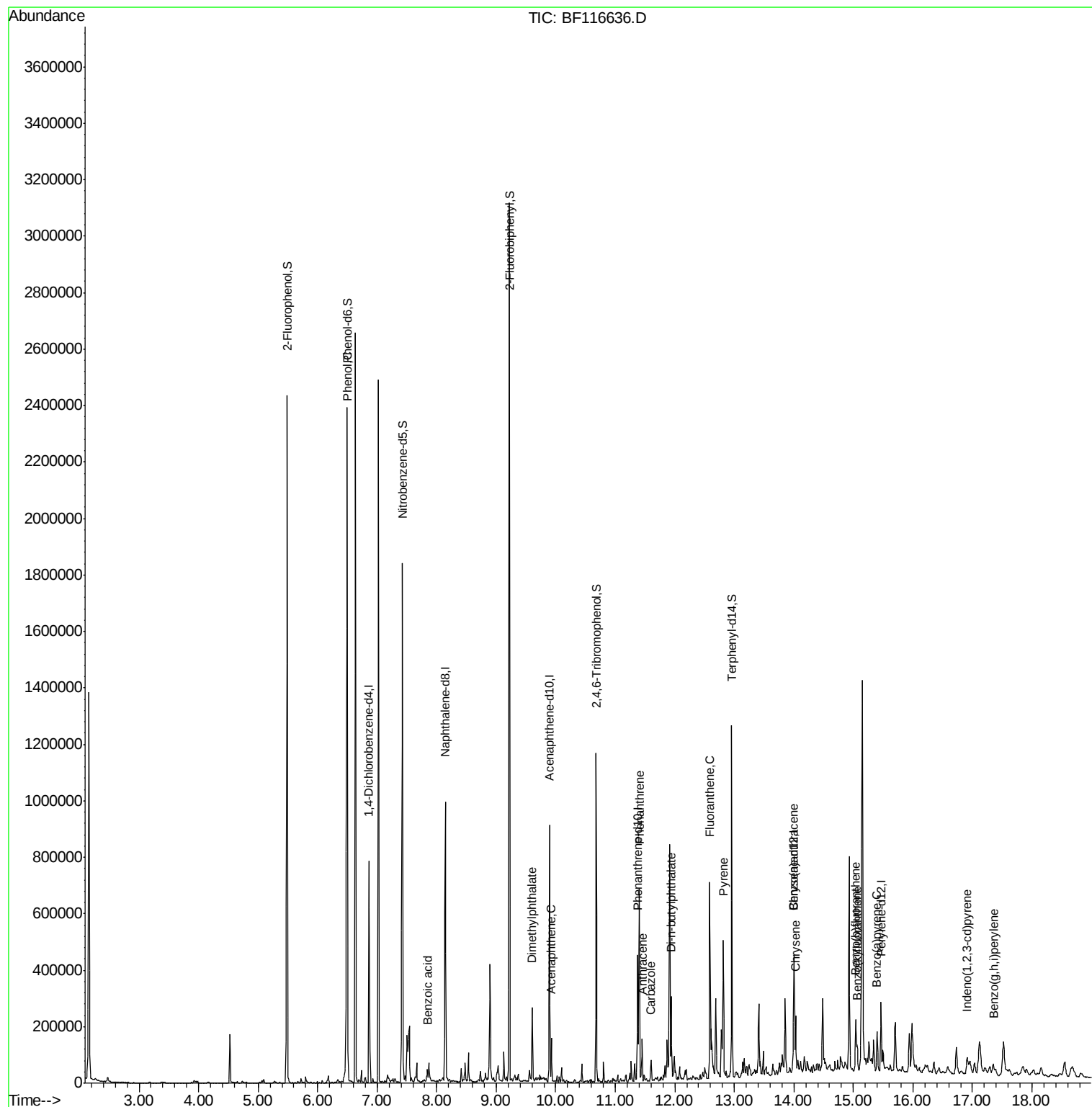
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
Data File : BF116636.D
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ALS Vial : 18 Sample Multiplier: 1

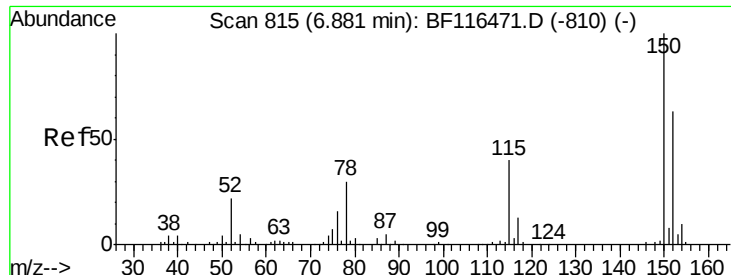
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#1

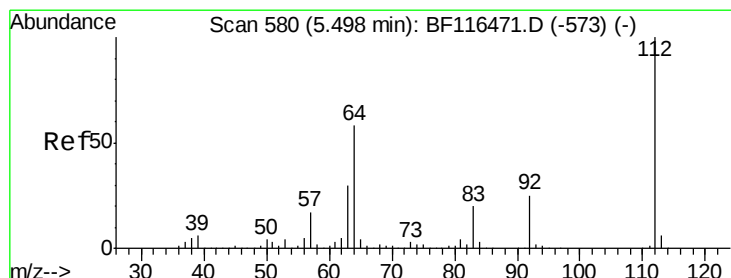
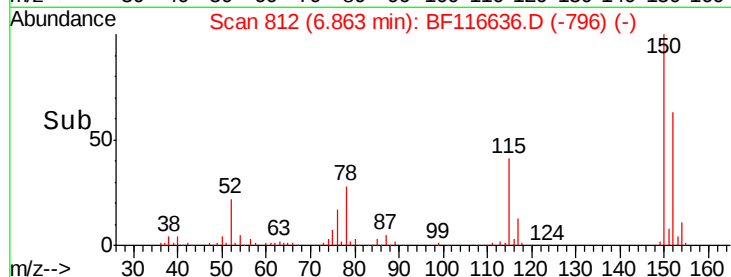
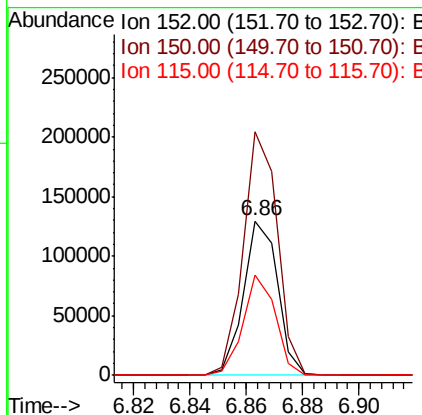
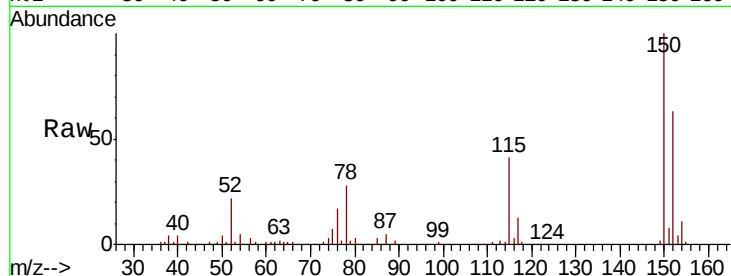
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	123.4	185.2
115	64.6	48.2	72.2

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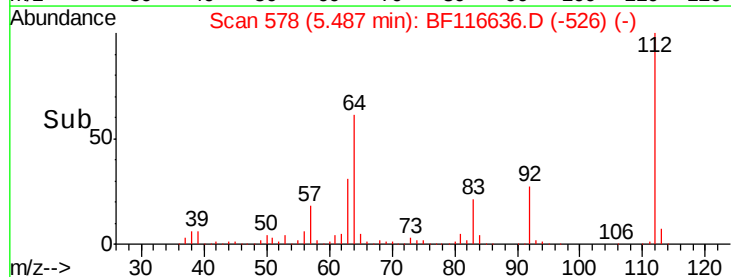
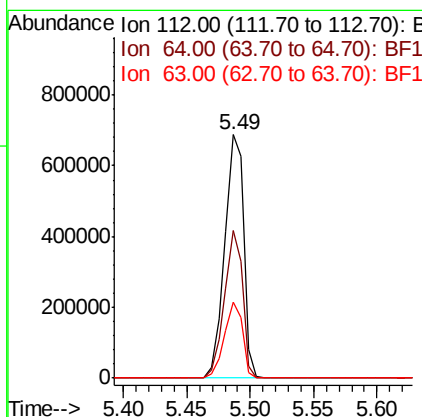
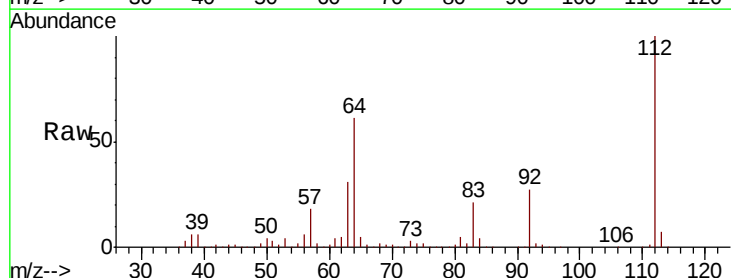
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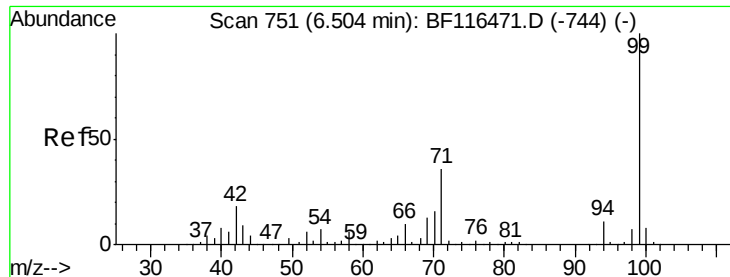


#5

2-Fluorophenol
Concen: 113.391 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	48.0	72.0
63	31.1	24.6	36.8





#7

Phenol-d6

Concen: 111.027 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF116636.D

Acq: 29 Aug 2019 1:02

Instrument :

BNA_F

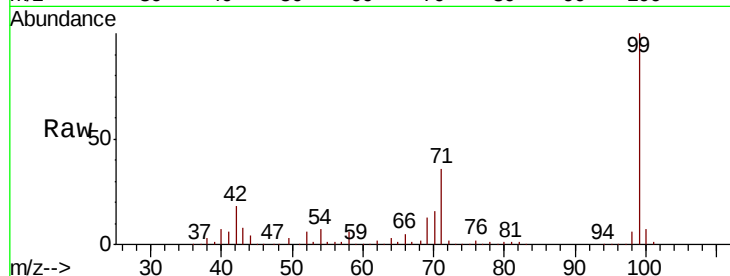
ClientSampleId :

S702B-N-0.0-0.5-082719

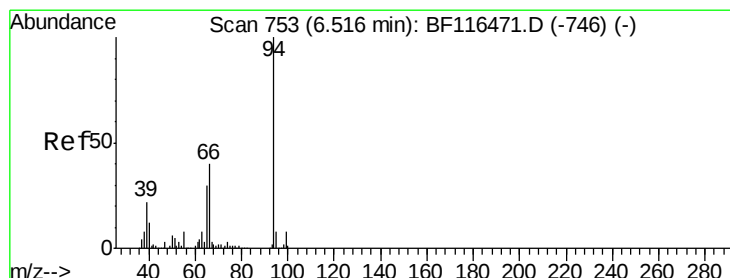
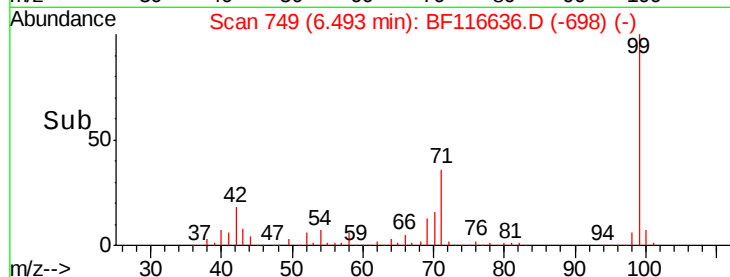
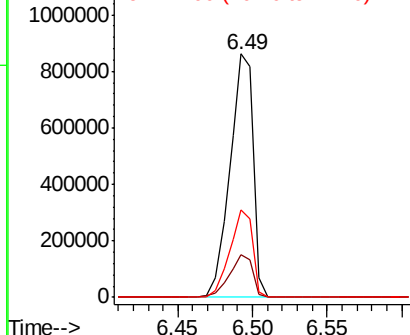
Tot Ion:	99	Resp:	946553
Ion Ratio	Lower	Upper	
99	100		
42	17.7	13.2	19.8
71	35.9	27.4	41.2

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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



#10

Phenol

Concen: 6.255 ng

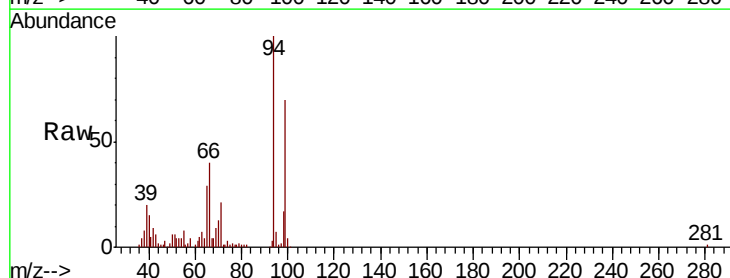
RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

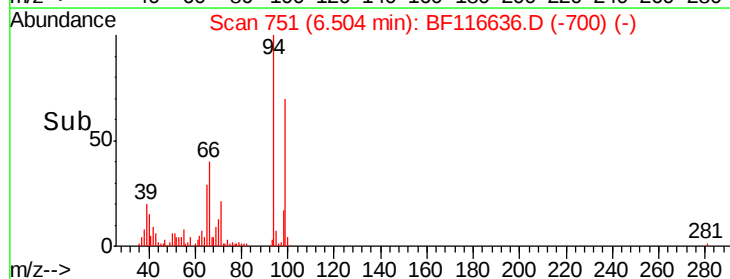
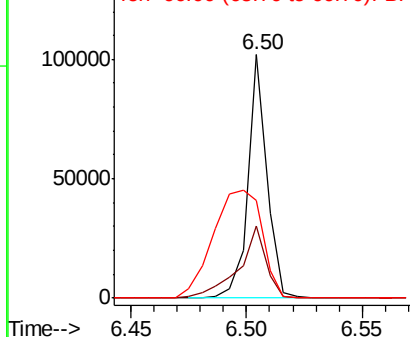
Lab File: BF116636.D

Acq: 29 Aug 2019 1:02

Tgt Ion:	94	Resp:	58498
Ion Ratio	Lower	Upper	
94	100		
65	29.5	8.6	48.6
66	40.4	18.0	58.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





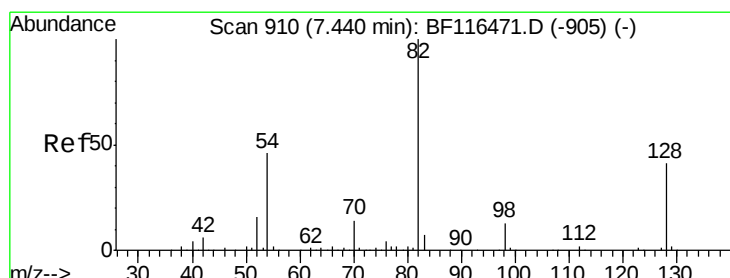
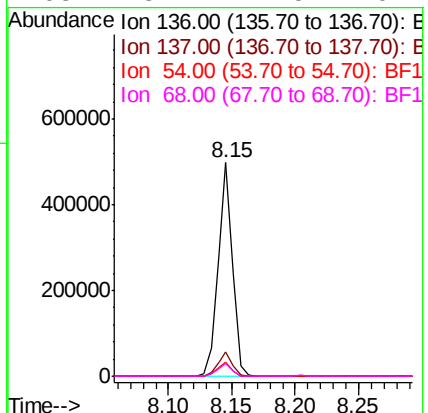
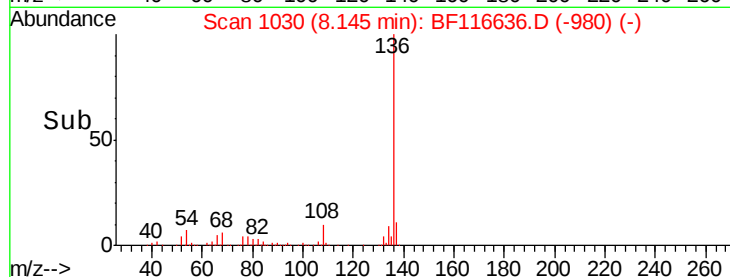
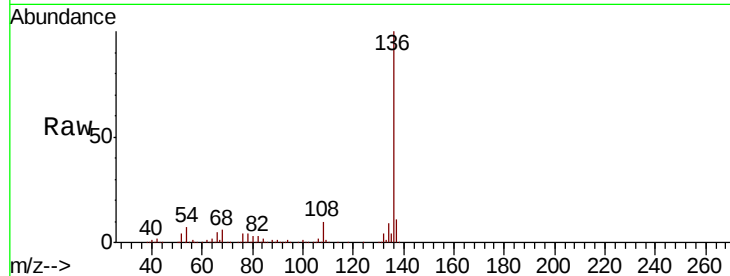
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.7	13.1	
54	6.7	5.0	7.4	
68	5.7	4.5	6.7	

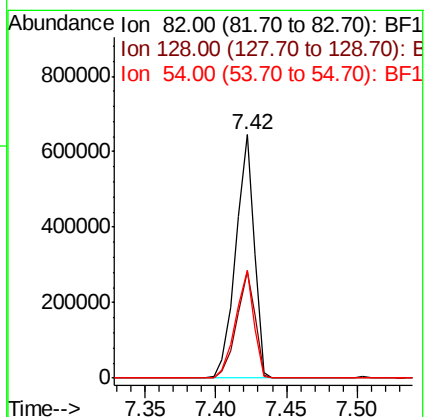
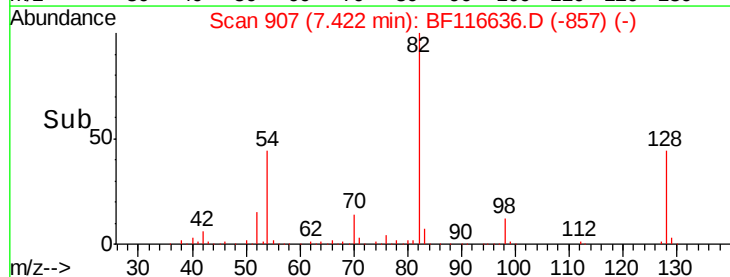
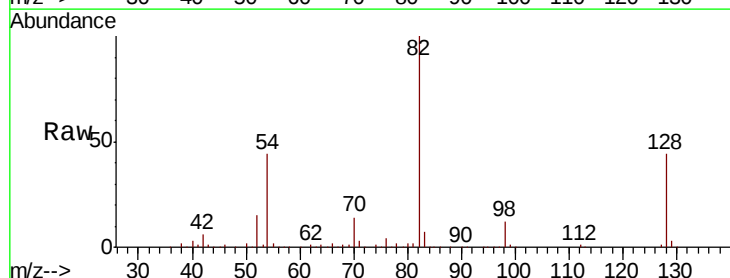
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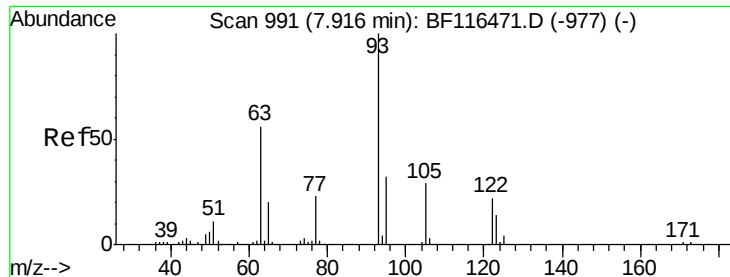
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#23
Nitrobenzene-d5
Concen: 84.332 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.8	35.0	52.6	
54	44.3	34.4	51.6	





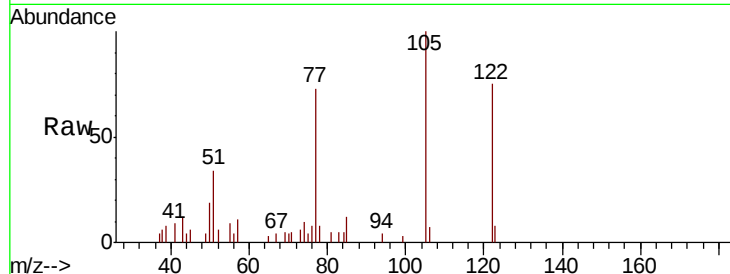
#32
Benzoic acid
Concen: 2.150 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.07 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
122	100		
105	133.7	105.8	145.8
77	97.3	74.1	114.1

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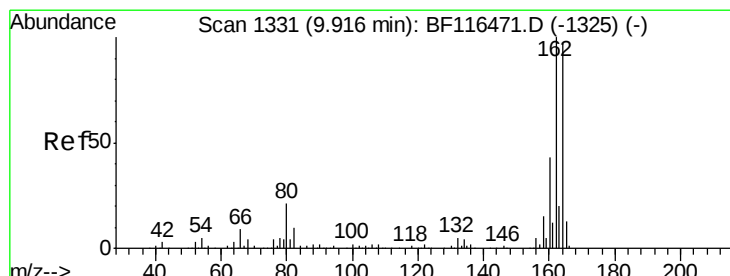
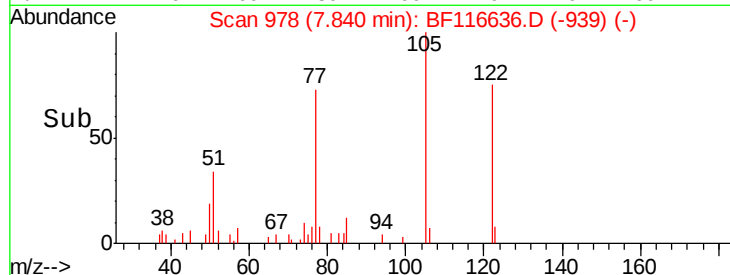
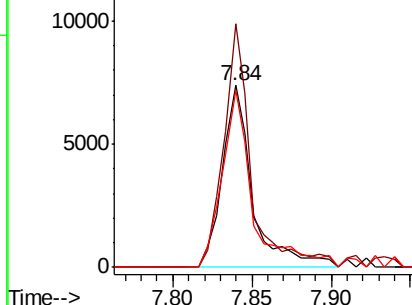


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

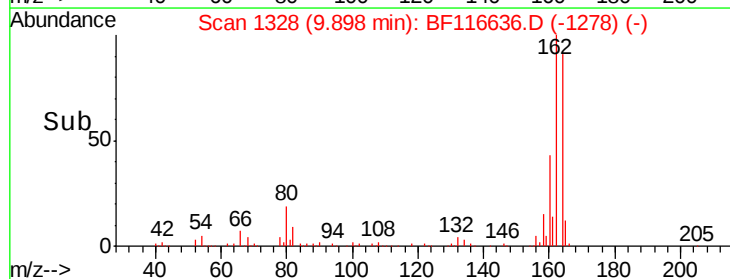
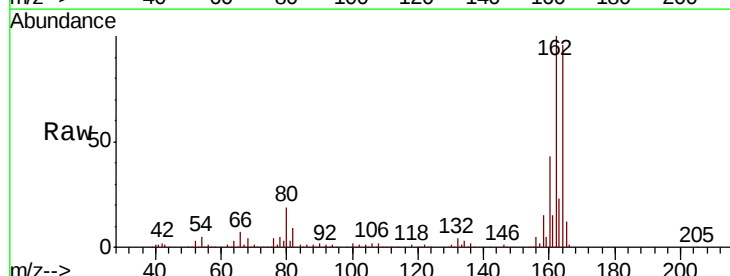
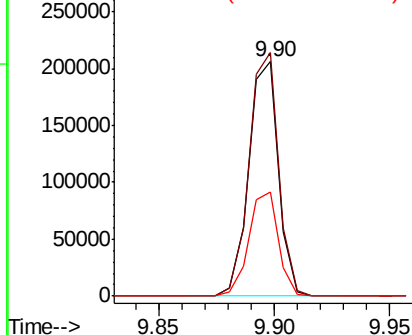
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.4	125.0
160	44.7	37.0	55.4

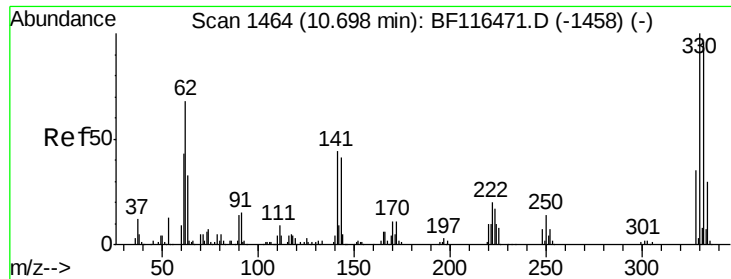
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





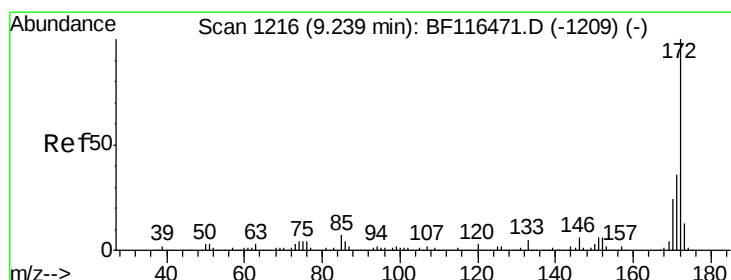
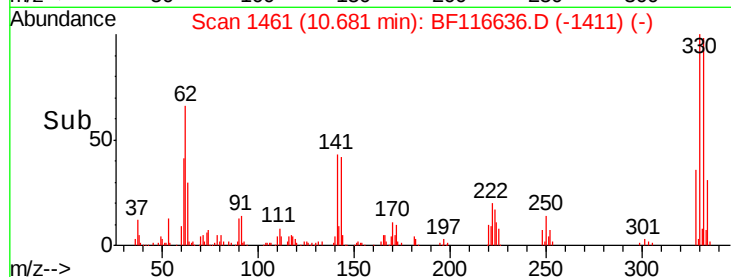
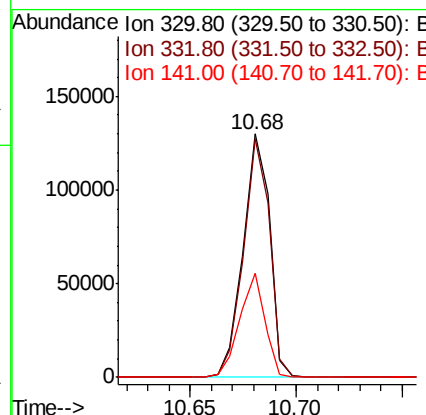
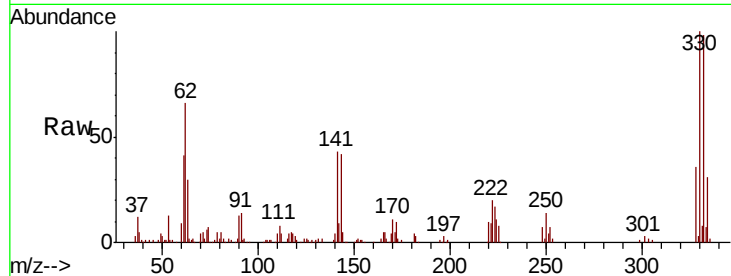
#42
 2,4,6-Tribromophenol
 Concen: 64.139 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF116636.D
 Acq: 29 Aug 2019 1:02

Instrument :
 BNA_F
 ClientSampleId :
 S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Resp	Lower	Upper
330	100	113248		
332	96.5	77.5	116.3	
141	40.3	28.2	42.2	

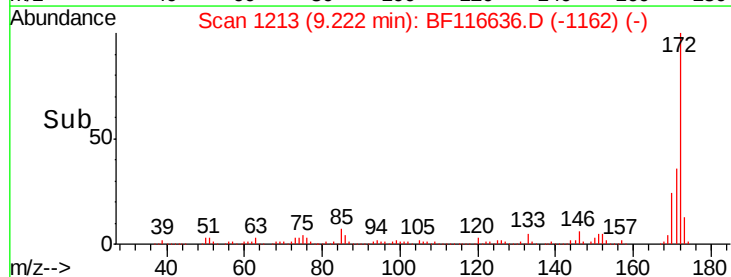
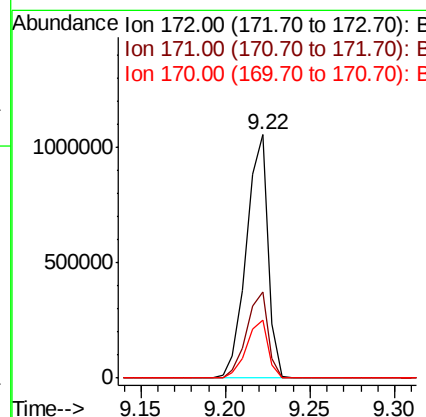
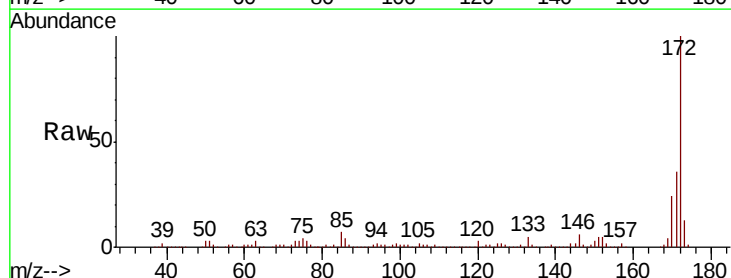
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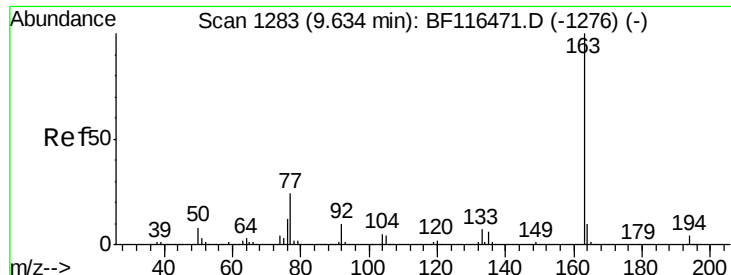
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#45
 2-Fluorobiphenyl
 Concen: 84.635 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF116636.D
 Acq: 29 Aug 2019 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	943619		
171	35.6	29.0	43.6	
170	23.9	19.3	28.9	





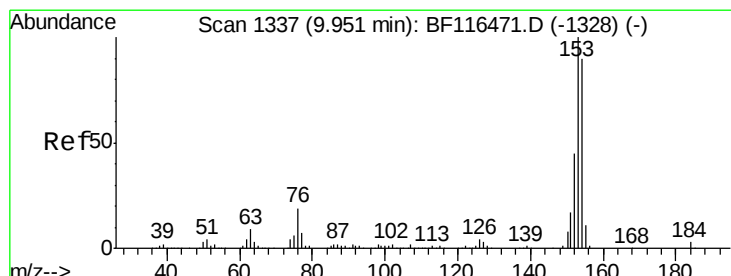
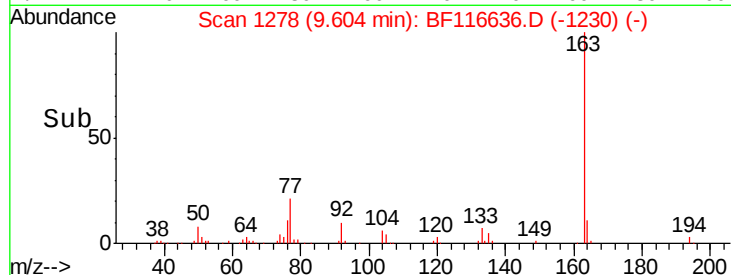
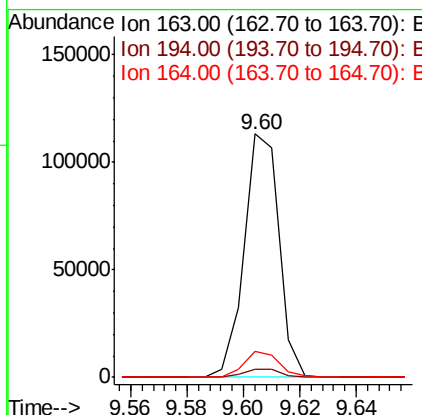
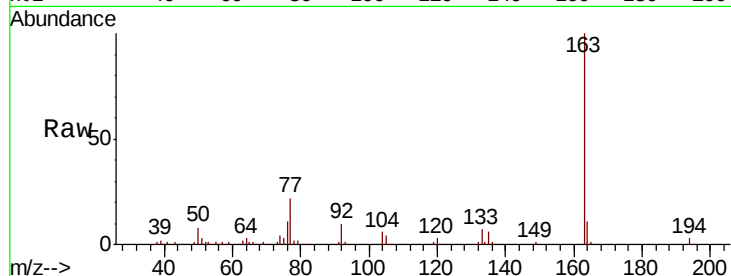
#50
Dimethylphthalate
Concen: 7.769 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	3.0	4.6	
164	10.6	8.2	12.2	

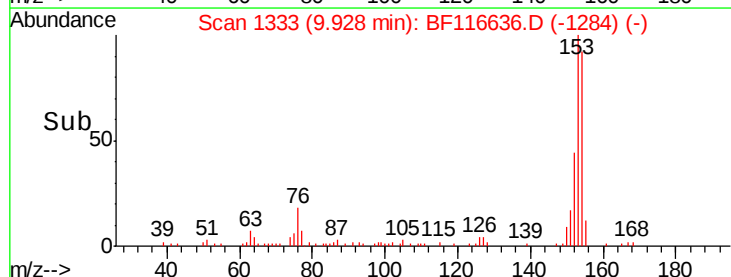
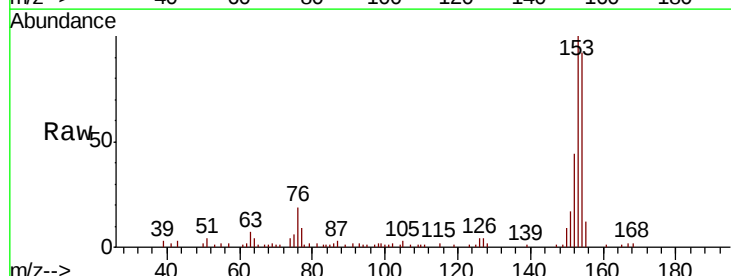
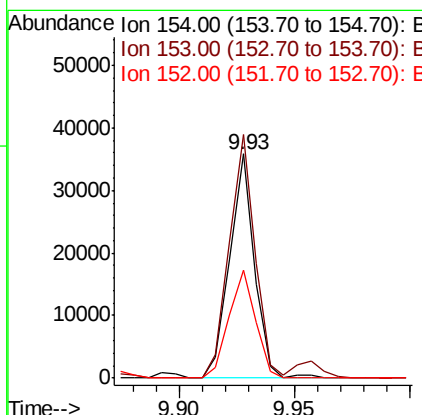
Manual Integrations
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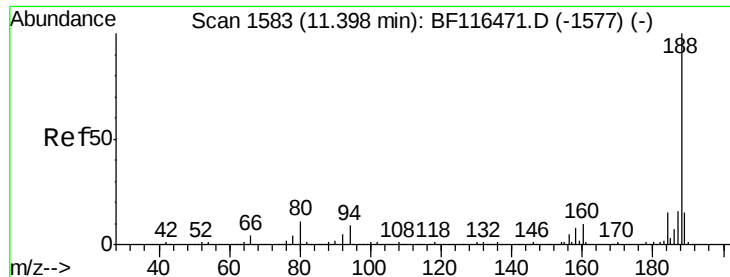
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#52
Acenaphthene
Concen: 2.452 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	108.5	86.6	129.8	
152	48.1	39.4	59.0	





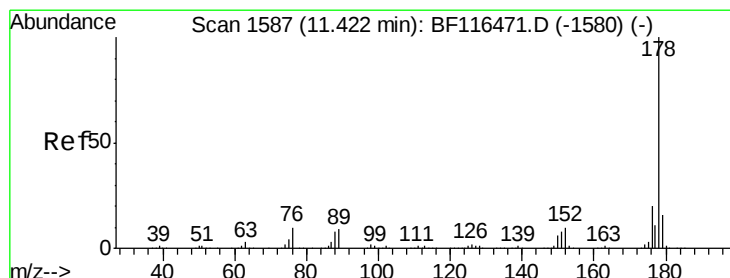
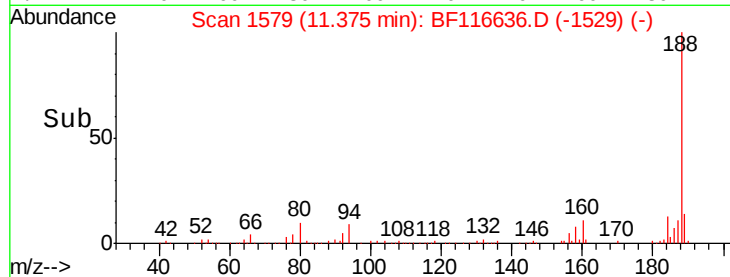
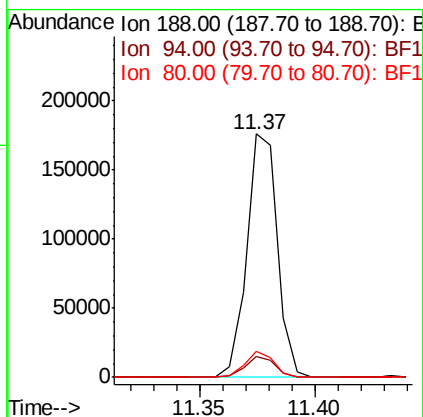
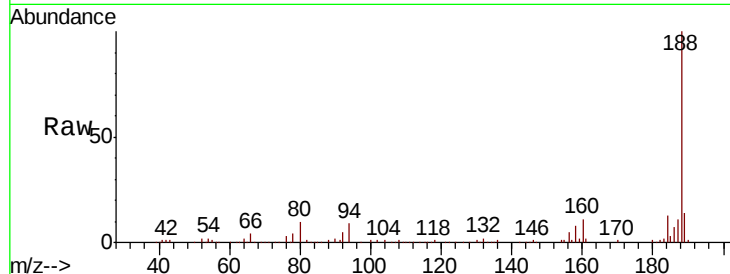
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Resp	Lower	Upper
188	100	162892		
94	8.8		8.2	12.4
80	10.4		8.9	13.3

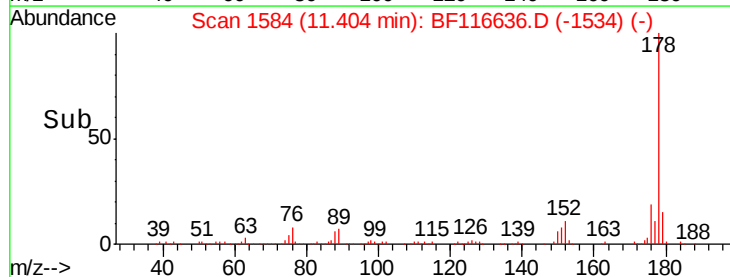
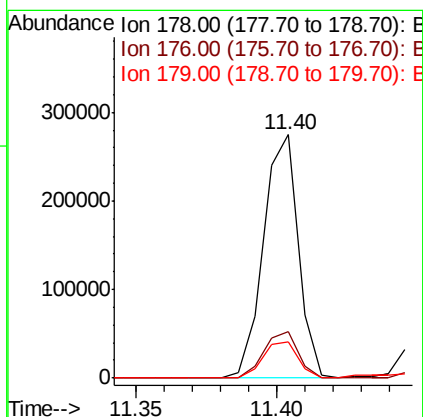
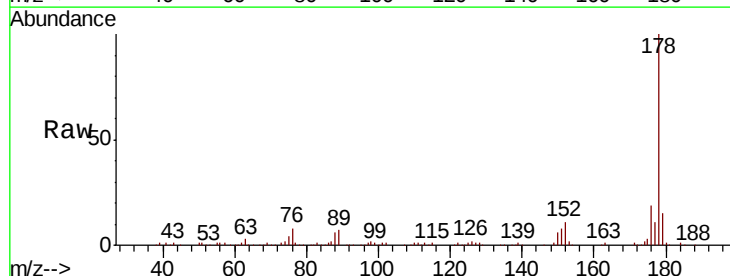
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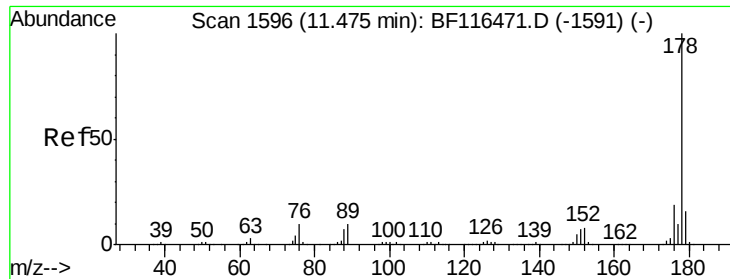
Jagrut
8/29/2019 7:47:28 PM



#71
Phenanthrene
Concen: 26.941 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	235715		
176	18.9		15.5	23.3
179	14.8		12.4	18.6





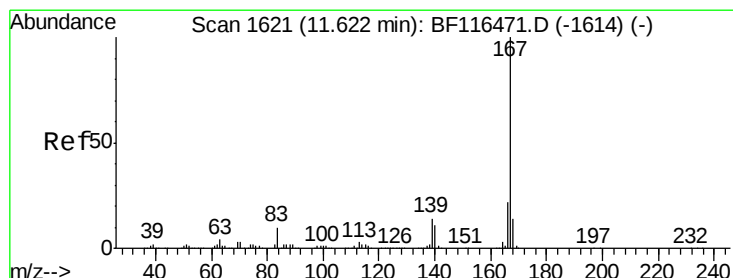
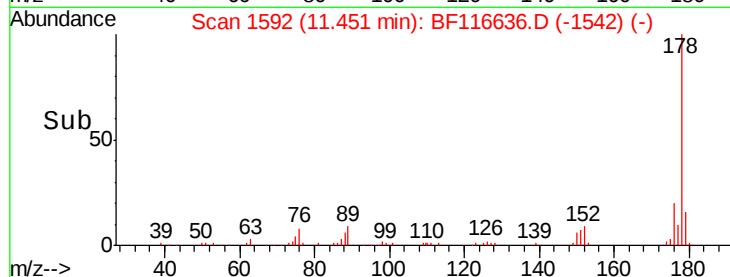
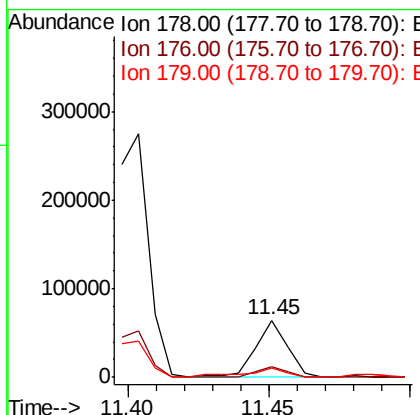
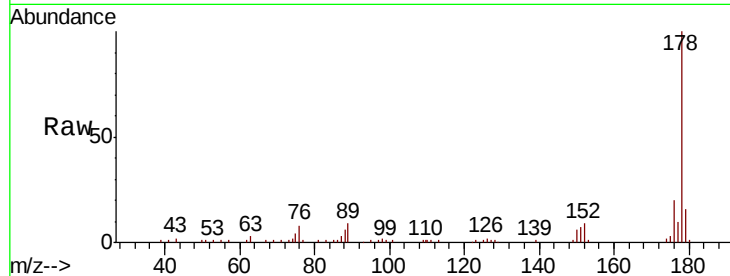
#72
 Anthracene
 Concen: 5.644 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF116636.D
 Acq: 29 Aug 2019 1:02

Instrument :
 BNA_F
 ClientSampleId :
 S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	15.9	12.7	19.1

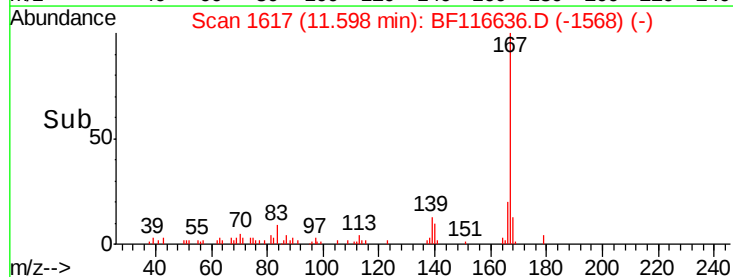
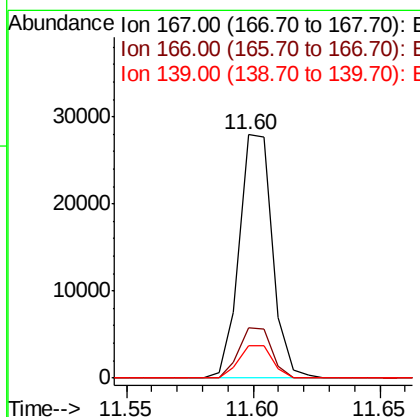
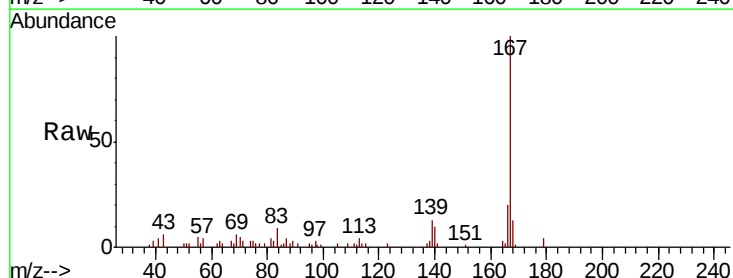
Manual Integrations
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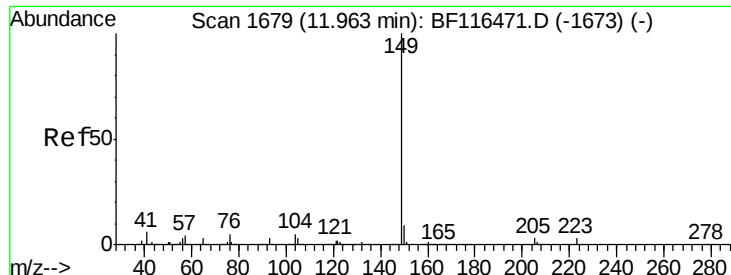
Jagrut
 8/29/2019 7:47:28 PM



#73
 Carbazole
 Concen: 3.414 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BF116636.D
 Acq: 29 Aug 2019 1:02

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.9	26.9
139	13.4	10.3	15.5





#74

Di-n-butylphthalate

Concen: 13.882 ng

RT: 11.94 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BF116636.D

Acq: 29 Aug 2019 1:02

Instrument :

BNA_F

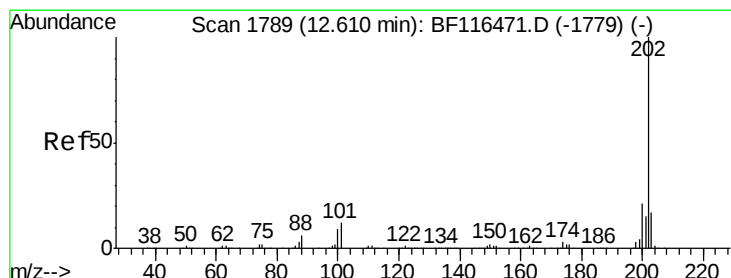
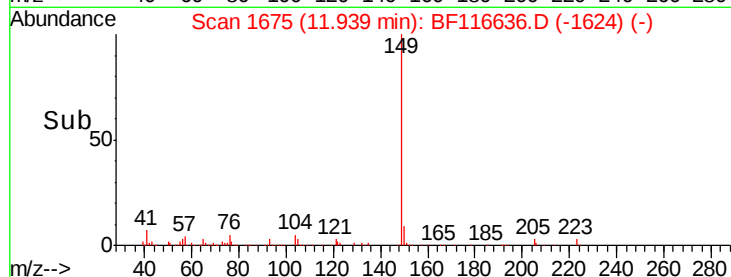
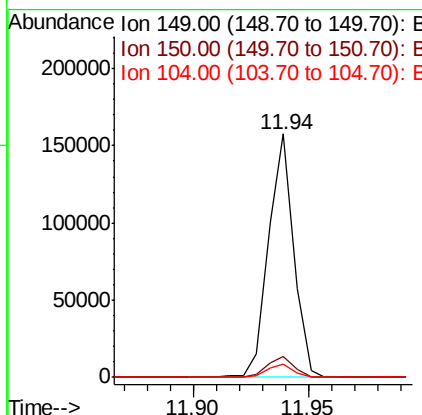
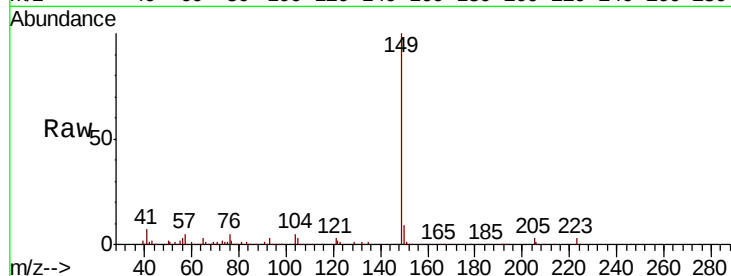
ClientSampleId :

S702B-N-0.0-0.5-082719

Tot Ion:	149	Resp:	119778
Ion Ratio	Lower	Upper	
149	100		
150	8.6	7.7	11.5
104	5.2	4.2	6.4

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#75

Fluoranthene

Concen: 30.744 ng

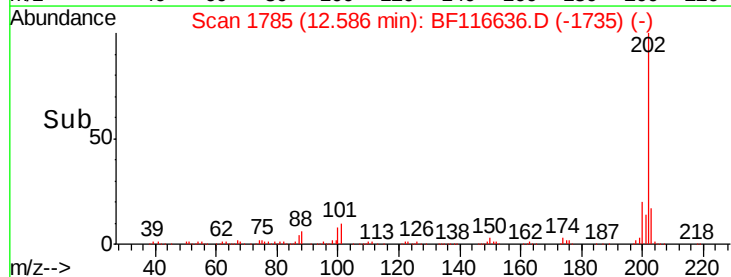
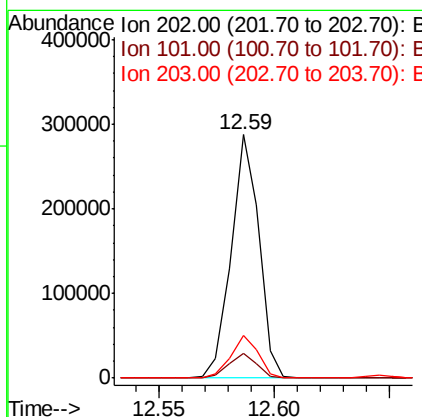
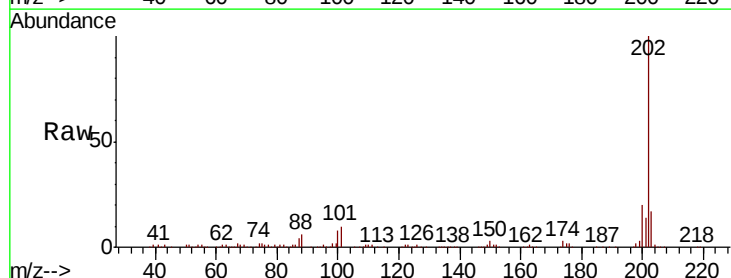
RT: 12.59 min Scan# 1785

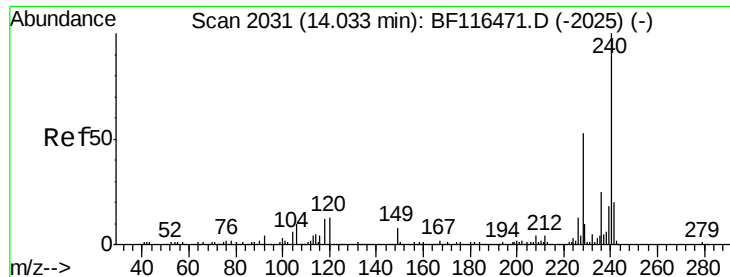
Delta R.T. -0.01 min

Lab File: BF116636.D

Acq: 29 Aug 2019 1:02

Tgt Ion:	202	Resp:	241238
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	31.8
203	17.4	0.0	37.1





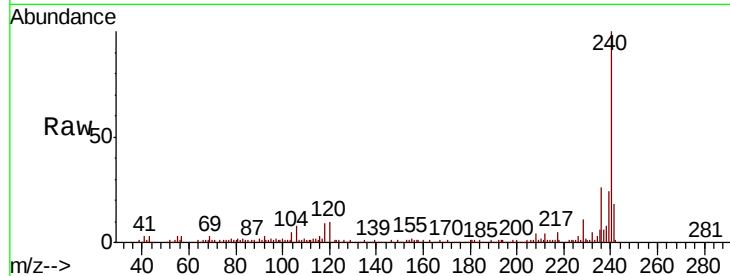
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.1	11.3	16.9#
236	26.1	21.4	32.2

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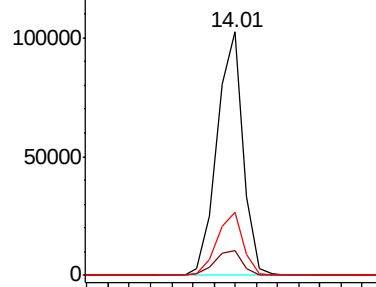


Abundance

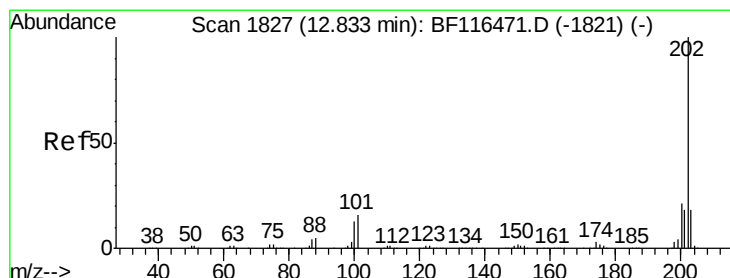
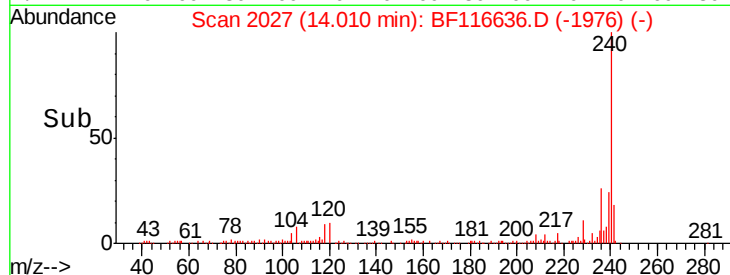
Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

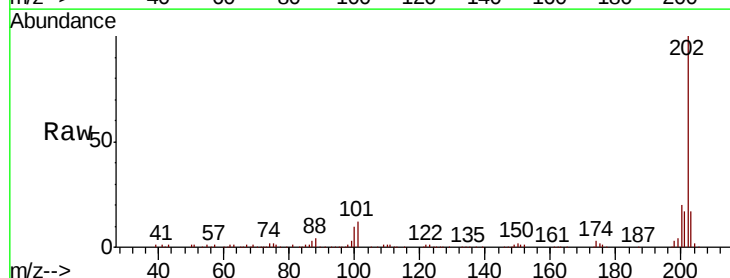


Time-->



#78
Pyrene
Concen: 22.168 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	17.4	26.0
203	17.5	14.2	21.4

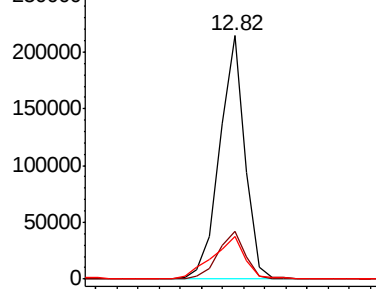


Abundance

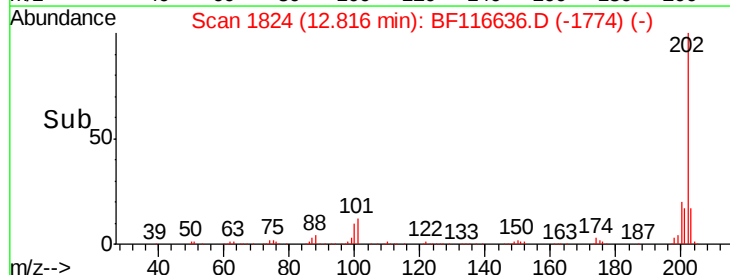
Ion 202.00 (201.70 to 202.70): E

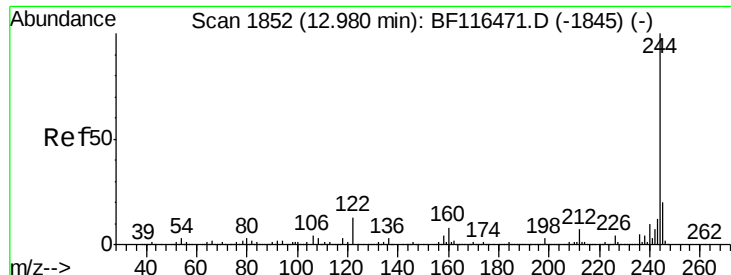
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





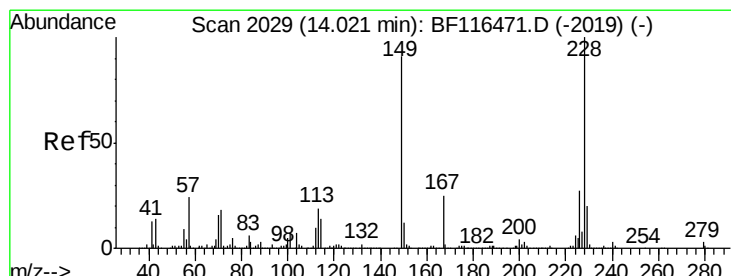
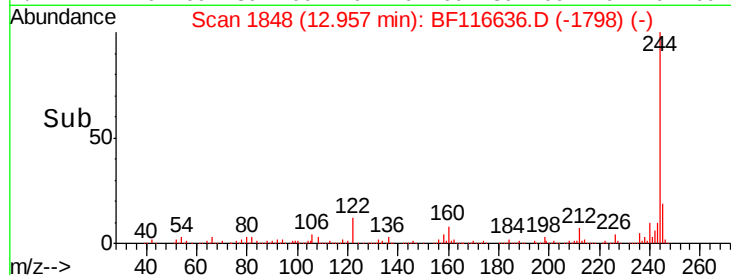
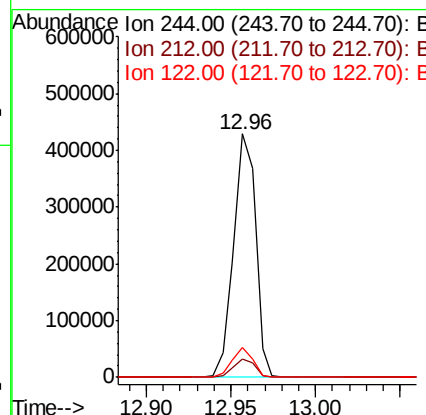
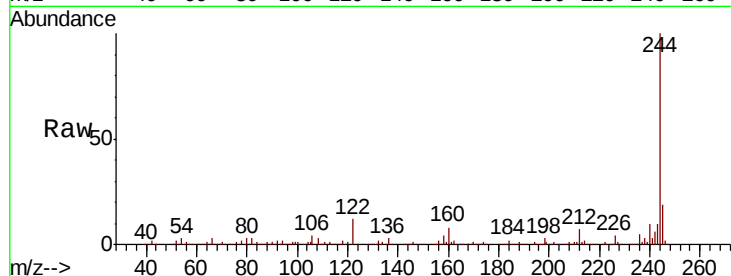
#79
 Terphenyl-d14
 Concen: 72.053 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF116636.D
 Acq: 29 Aug 2019 1:02

Instrument :
 BNA_F
 ClientSampleId :
 S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.4	5.9	8.9	
122	12.3	10.0	15.0	

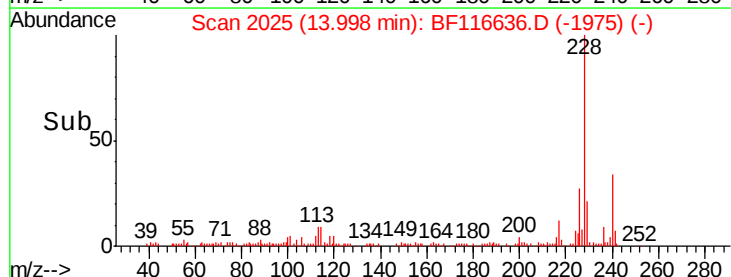
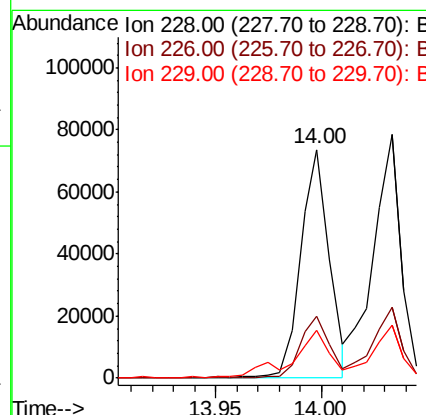
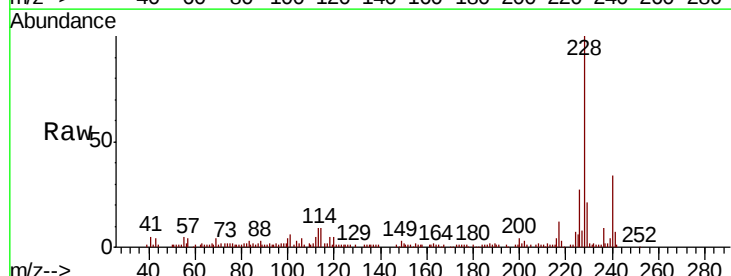
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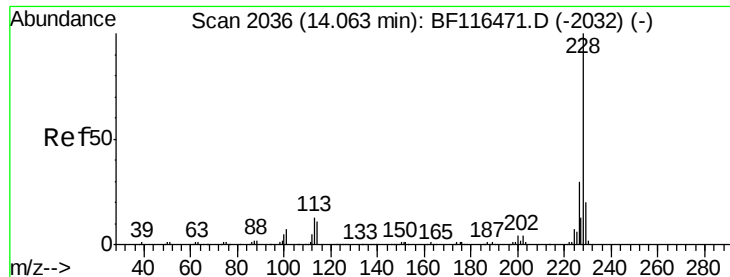
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#81
 Benzo(a)anthracene
 Concen: 11.858 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF116636.D
 Acq: 29 Aug 2019 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	26.9	21.5	32.3	
229	20.9	15.4	23.0	





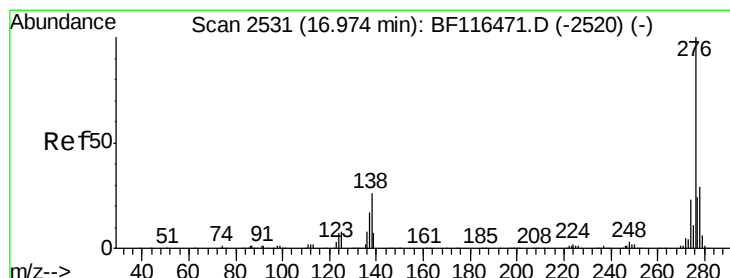
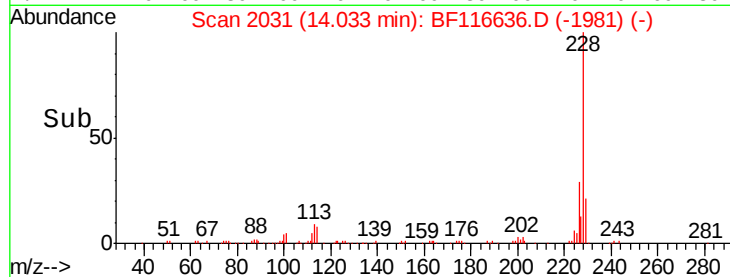
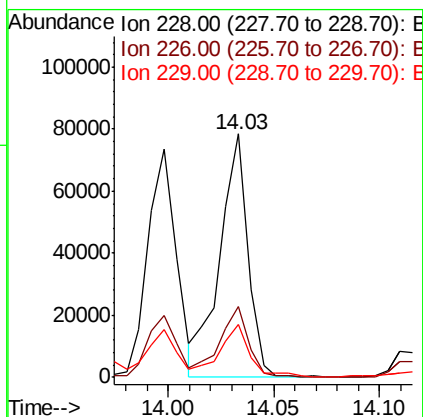
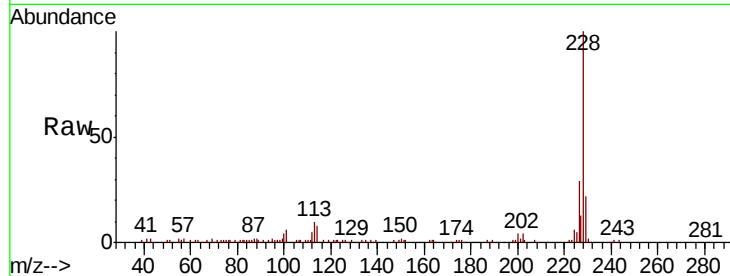
#83
Chrysene
Concen: 12.745 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleID :
S702B-N-0.0-0.5-082719

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		72868		
226	28.9		24.0	36.0	
229	21.7		15.8	23.8	

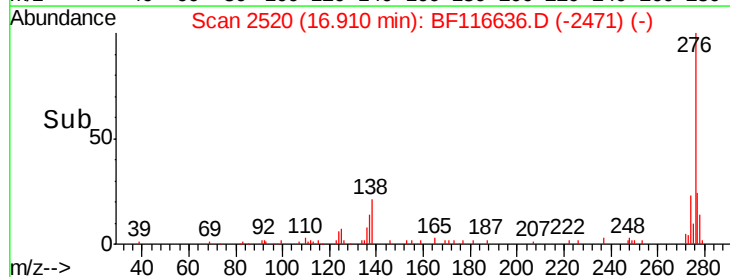
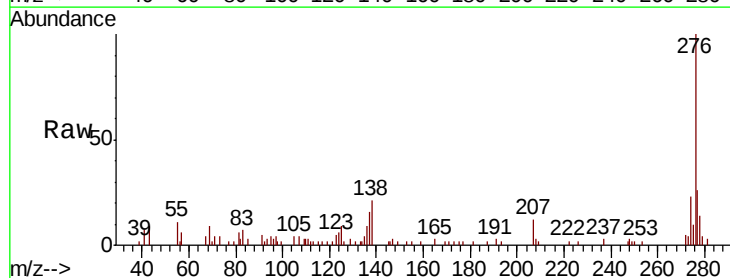
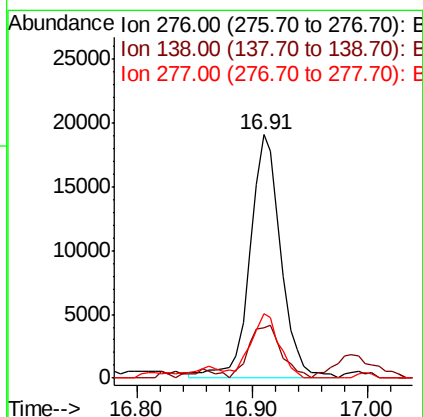
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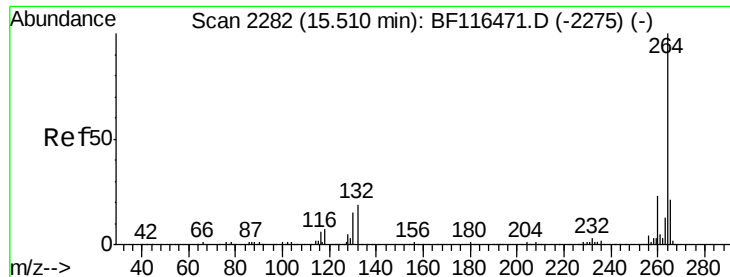
Jagrut
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#86
Indeno(1,2,3-cd)pyrene
Concen: 11.290 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		35767		
138	22.8		21.5	32.3	
277	25.0		20.0	30.0	





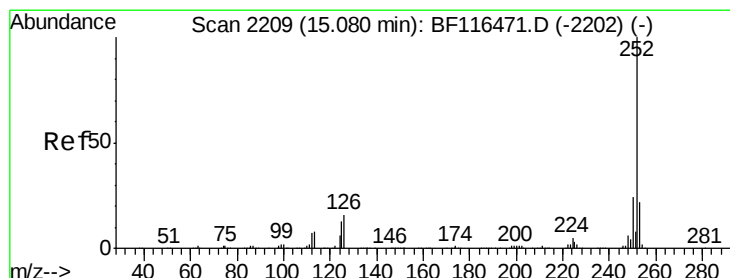
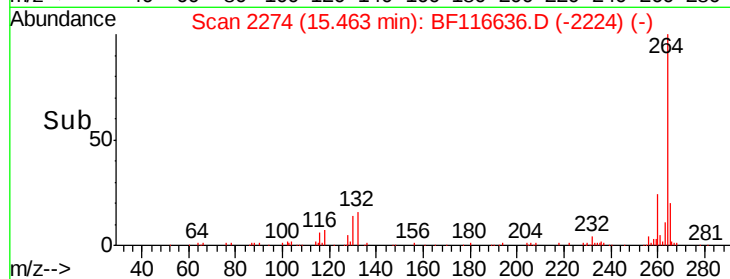
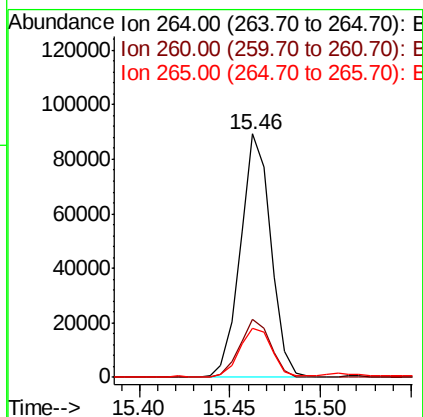
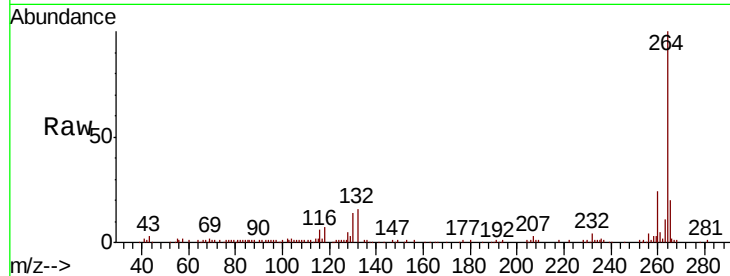
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.7	20.0	30.0		
265	20.2	17.6	26.4		

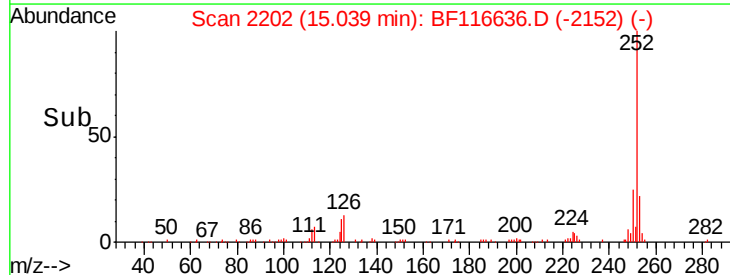
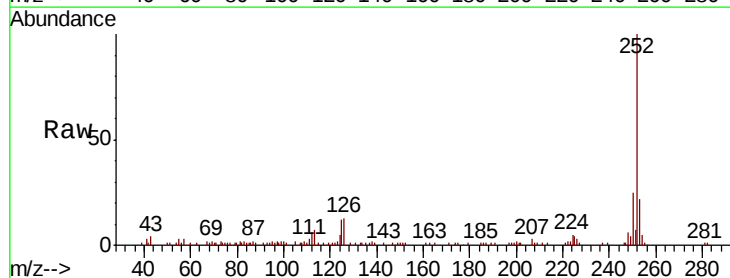
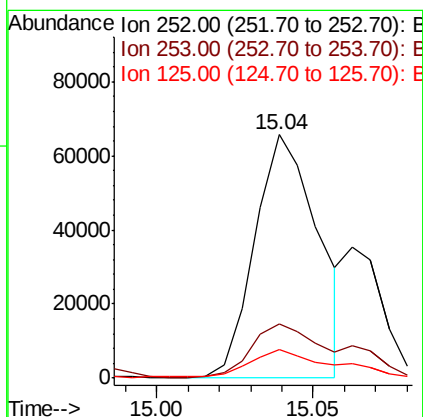
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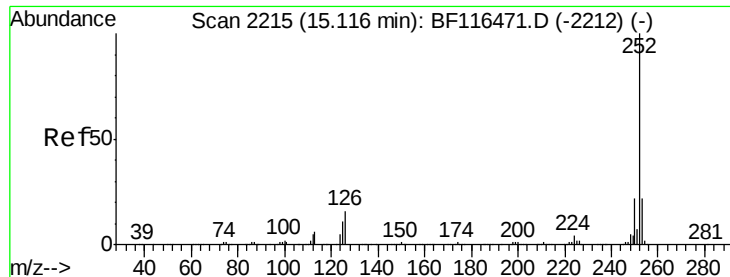
Jagrut
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#88
Benzo(b)fluoranthene
Concen: 14.487 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	22.3	17.3	25.9		
125	11.6	9.0	13.6		





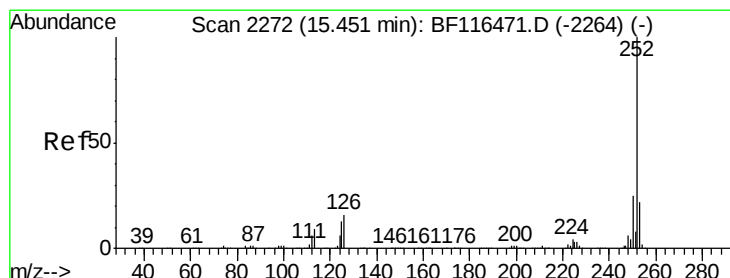
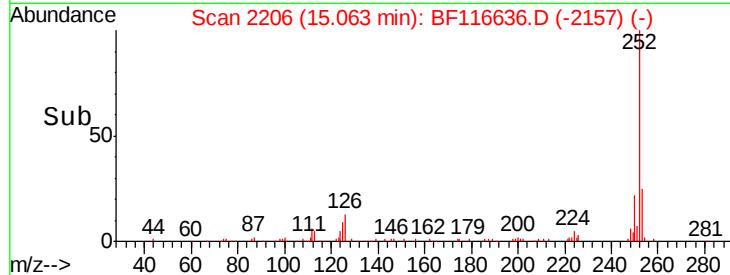
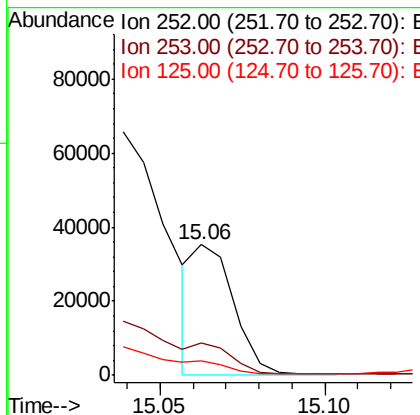
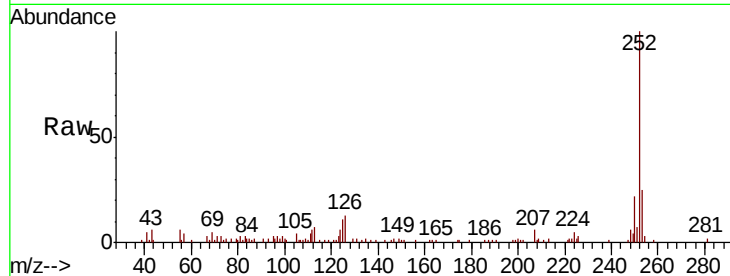
#89
Benzo(k)fluoranthene
Concen: 4.955 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Instrument :
BNA_F
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.2	25.8
125	10.7	8.6	13.0

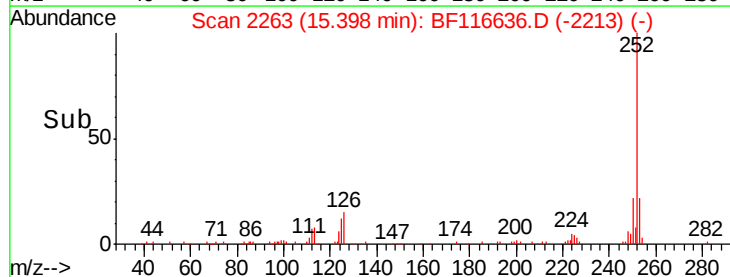
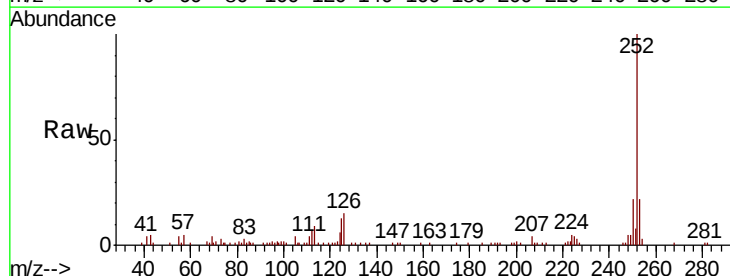
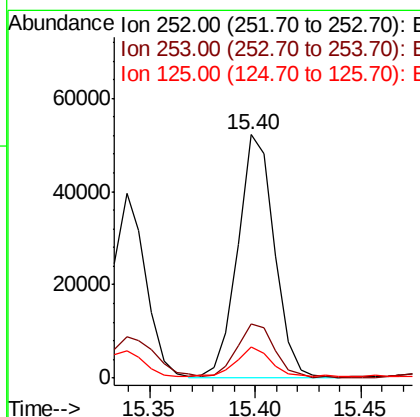
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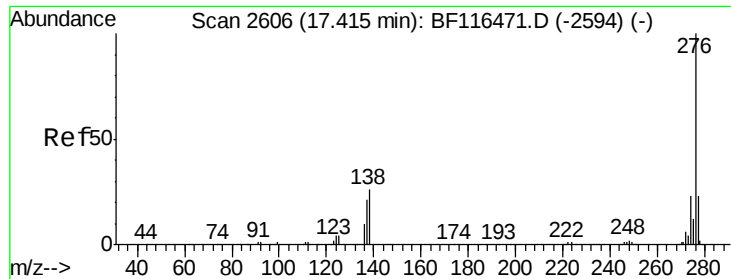
Jagrut
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#90
Benzo(a)pyrene
Concen: 11.006 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF116636.D
Acq: 29 Aug 2019 1:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	12.7	10.6	16.0





#92
 Benzo(a,h,i)perylene
 Concen: 5.764 ng
 RT: 17.35 min Scan# 2595
 Delta R.T. -0.01 min
 Lab File: BF116636.D
 Acq: 29 Aug 2019 1:02

Instrument :
 BNA_F
 ClientSampleId :
 S702B-N-0.0-0.5-082719

Tot Ion:	276	Resp:	31978
Ion Ratio		Lower	Upper
276	100		
277	21.6	19.0	28.4
138	21.9	18.2	27.2

Manual Integrations
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