

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
 Data File : BF119328.D
 Acq On : 10 Mar 2020 20:51
 Operator : CG/JU
 Sample : L1849-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-215-72-12018

Manual Integrations
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Quant Time: Mar 11 06:02:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	124510	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	448312	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	210769	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	316303	20.00	ng	0.00
76) Chrysene-d12	13.89	240	251558	20.00	ng	0.00
87) Perylene-d12	15.32	264	214111	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	370732	49.76	ng	0.00
7) Phenol-d6	6.38	99	453436	50.04	ng	0.00
23) Nitrobenzene-d5	7.29	82	280829	33.07	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	99180	35.97	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	504861	35.29	ng	0.00
79) Terphenyl-d14	12.82	244	431383	29.52	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.03	128	57896	2.490	ng	98
49) Acenaphthylene	9.62	152	54812	2.765	ng	98
50) Dimethylphthalate	9.48	163	86799	5.386	ng	100
71) Phenanthrene	11.27	178	213982	12.405	ng	97
72) Anthracene	11.32	178	71837	4.168	ng	98
75) Fluoranthene	12.46	202	332343	18.151	ng	99
78) Pyrene	12.69	202	365199	18.079	ng	98
81) Benzo(a)anthracene	13.88	228	218788	12.765	ng	99
83) Chrysene	13.92	228	202642	11.865	ng	97
86) Indeno(1,2,3-cd)pyrene	16.74	276	104140	6.297	ng	# 93
88) Benzo(b)fluoranthene	14.92	252	238028m	16.866	ng	
89) Benzo(k)fluoranthene	14.93	252	94221m	7.204	ng	
90) Benzo(a)pyrene	15.26	252	176352	13.845	ng	99
91) Dibenzo(a,h)anthracene	16.73	278	24449	2.182	ng	# 77
92) Benzo(a,h,i)perylene	17.17	276	96018	8.671	ng	96

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

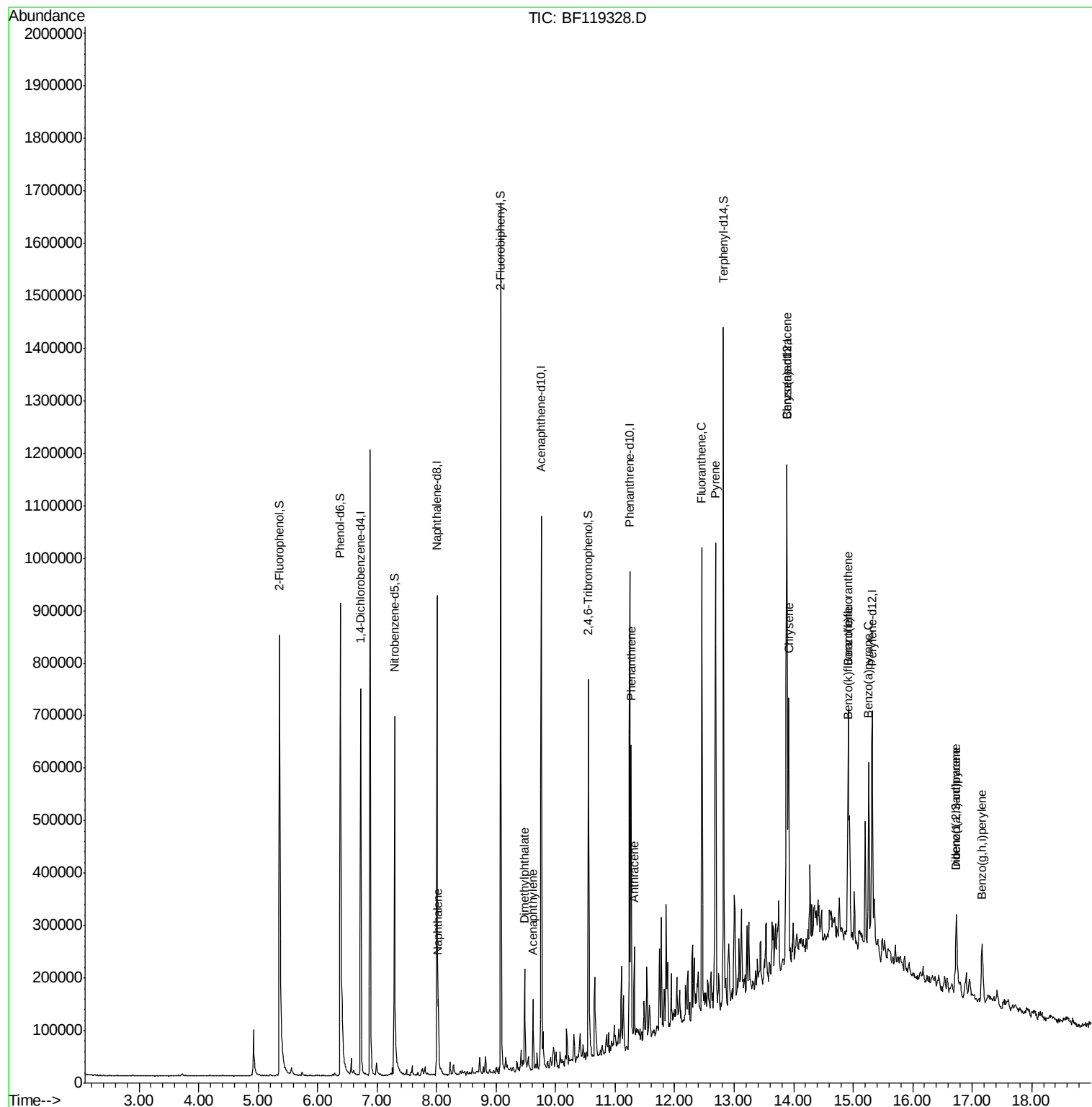
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

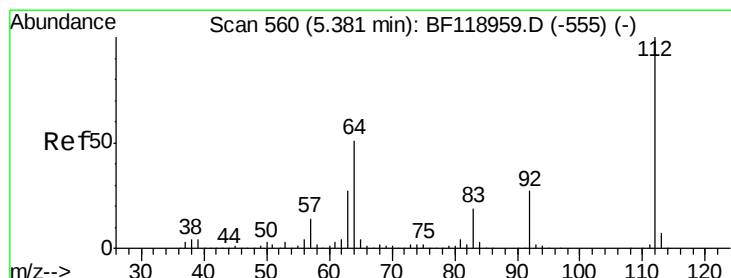
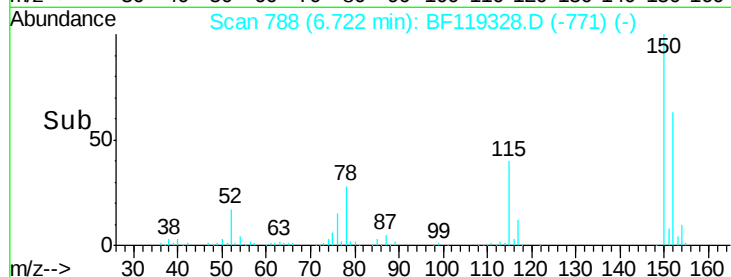
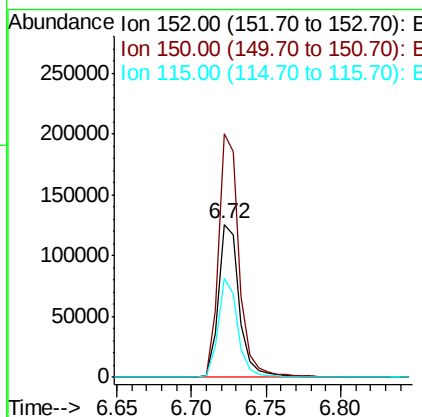
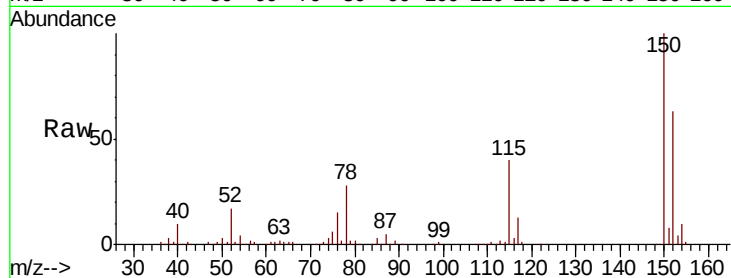
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Instrument :
BNA_F
ClientSampleId :
VNJ-215-72-12018

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	123.0	184.6
115	64.3	49.5	74.3

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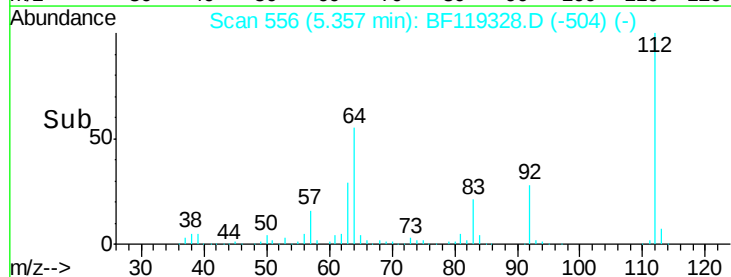
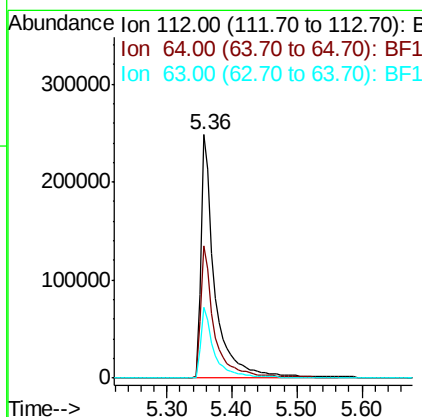
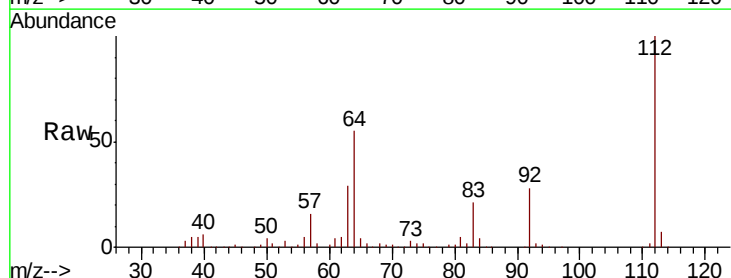
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#5

2-Fluorophenol
Concen: 49.760 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	45.0	67.4
63	29.1	24.2	36.4





#7

Phenol-d6

Concen: 50.042 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

Instrument :

BNA_F

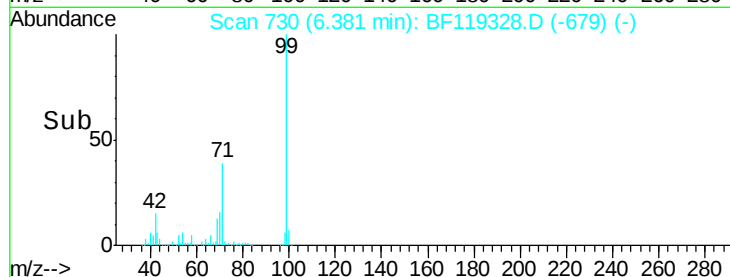
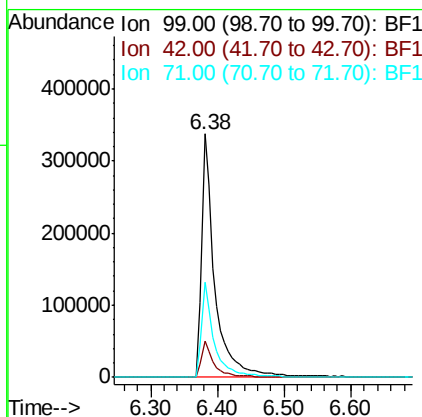
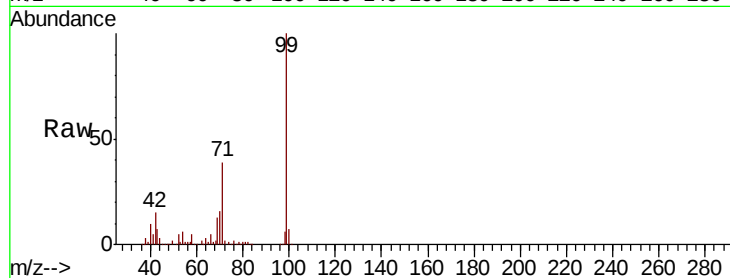
ClientSampleId :

VNJ-215-72-12018

Tot Ion:	99	Resp:	453436
Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.6	18.8
71	39.0	31.0	46.4

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#21

Naphthalene-d8

Concen: 20.000 ng

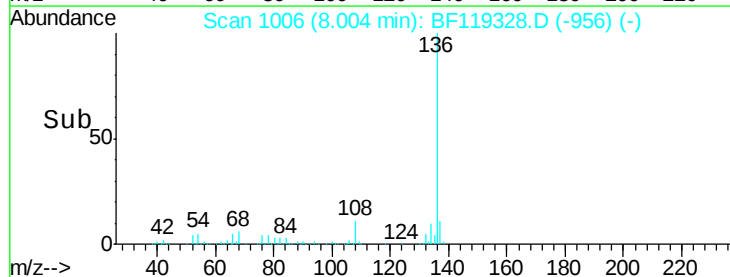
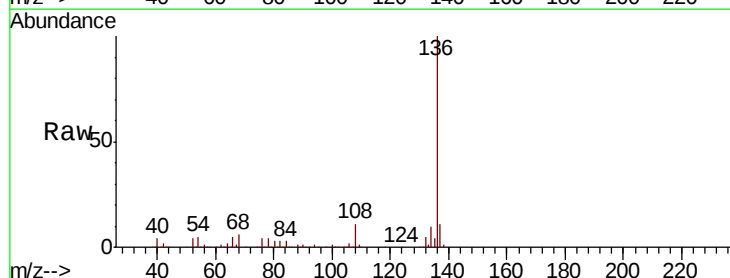
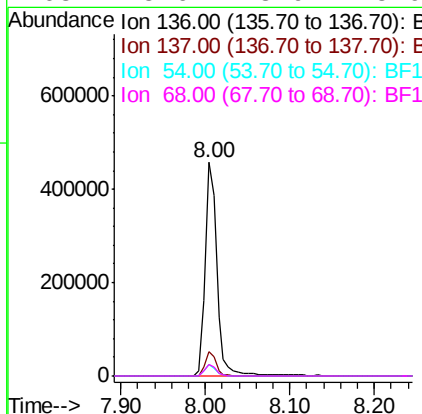
RT: 8.00 min Scan# 1006

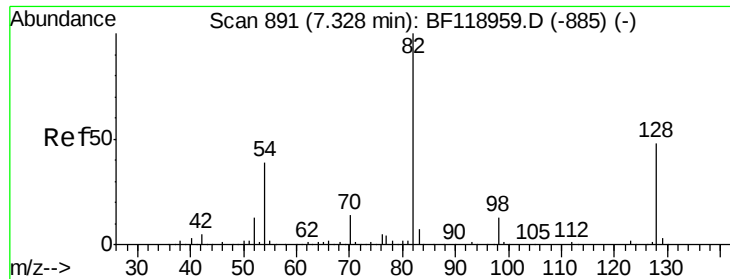
Delta R.T. -0.01 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

Tgt Ion:	136	Resp:	448312
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	5.3	3.8	5.6
68	5.6	3.9	5.9





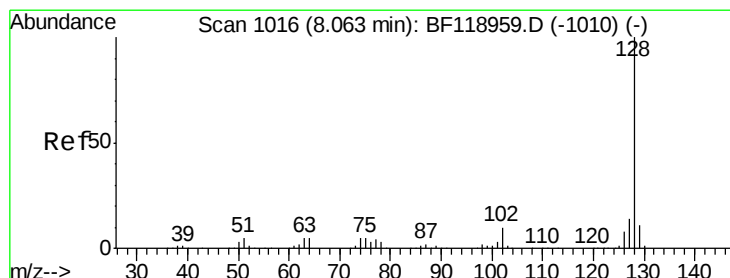
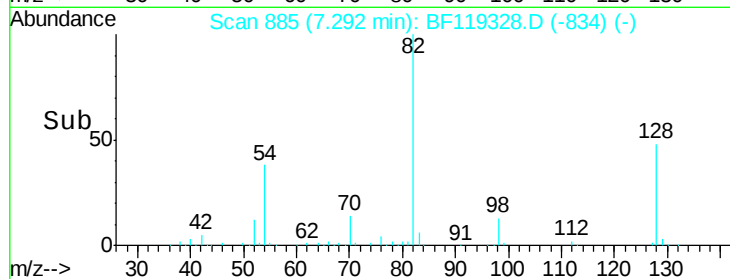
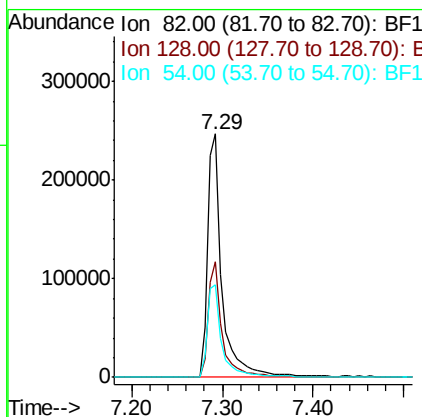
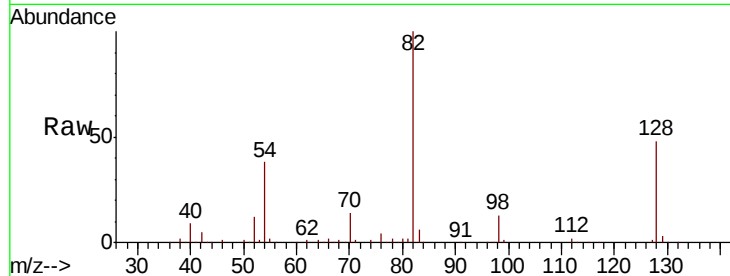
#23
Nitrobenzene-d5
Concen: 33.075 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.00 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Instrument :
BNA_F
ClientSampleId :
VNJ-215-72-12018

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.9	56.9
54	38.2	33.4	50.2

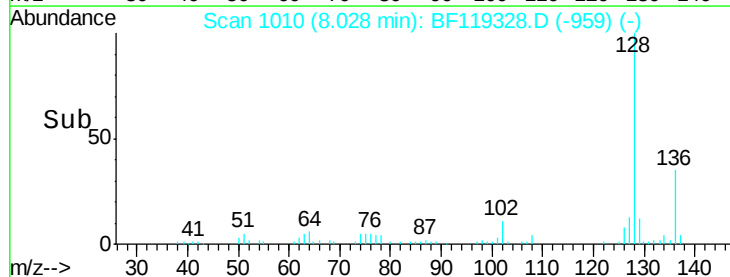
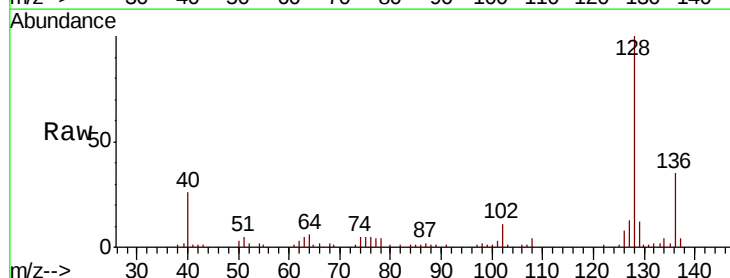
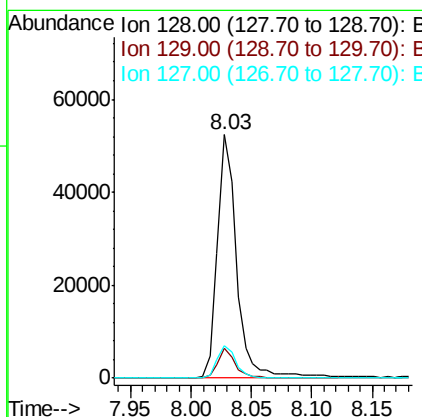
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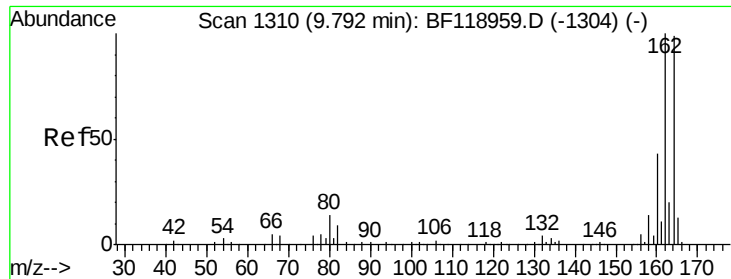
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#31
Naphthalene
Concen: 2.490 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.4	14.2
127	13.3	11.4	17.2





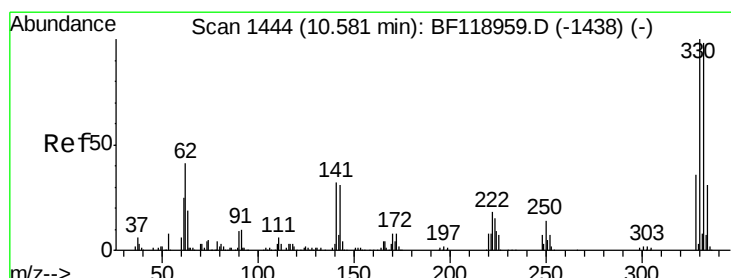
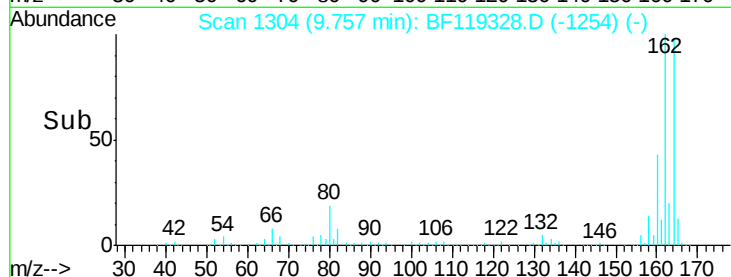
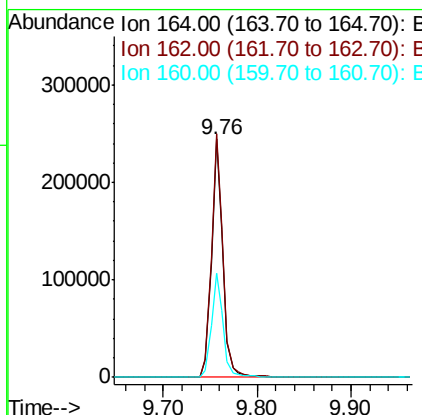
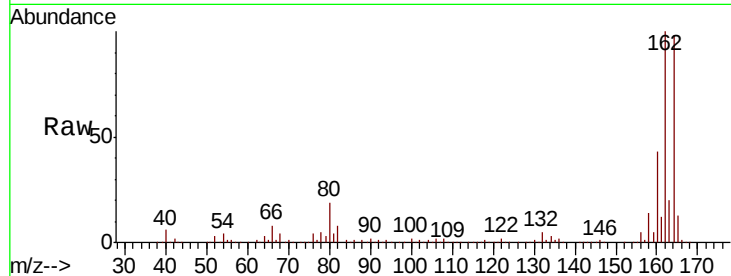
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Instrument :
BNA_F
ClientSampleId :
VNJ-215-72-12018

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.8
160	43.9	36.0	54.0

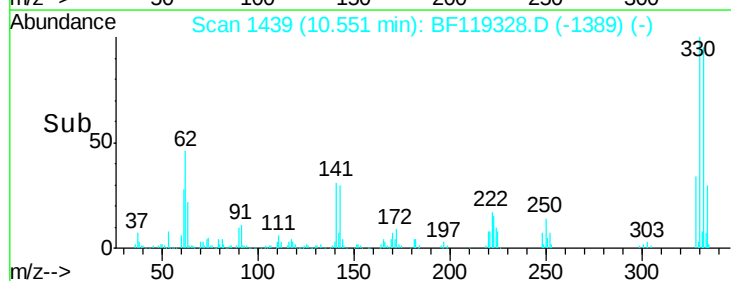
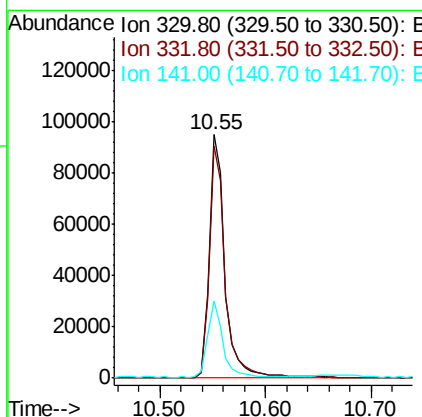
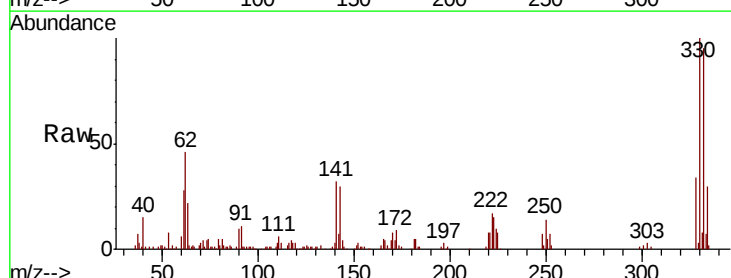
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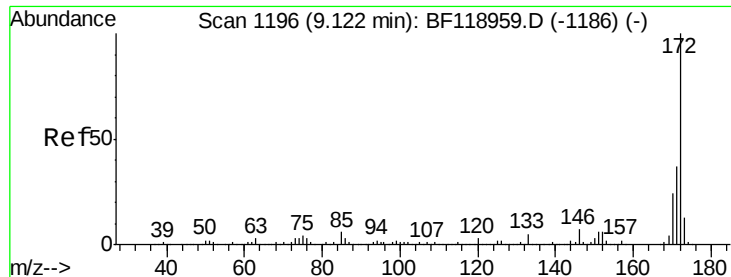
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#42
2,4,6-Tribromophenol
Concen: 35.971 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.0	114.0
141	32.7	22.9	34.3





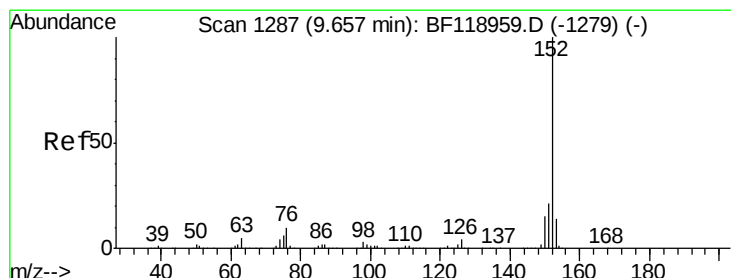
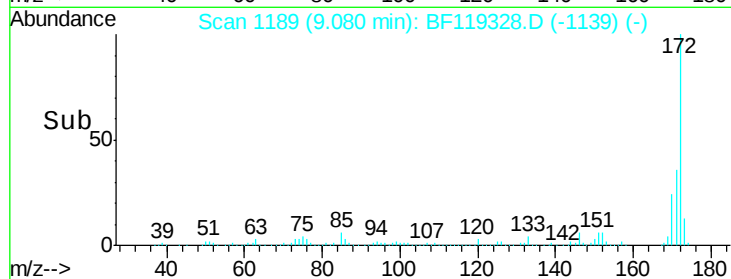
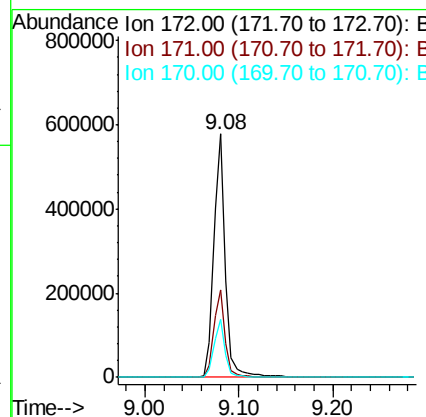
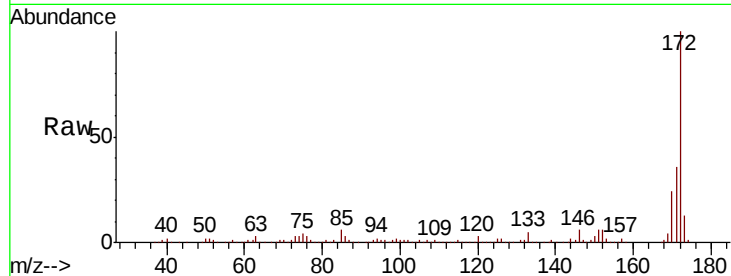
#45
2-Fluorobiphenyl
Concen: 35.287 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Instrument :
BNA_F
ClientSampleId :
VNJ-215-72-12018

Tot Ion	Ratio	Resp	Lower	Upper
172	100	504861		
171	35.9		30.6	45.8
170	23.7		20.2	30.2

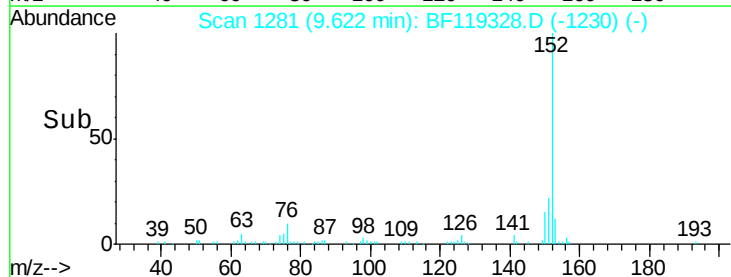
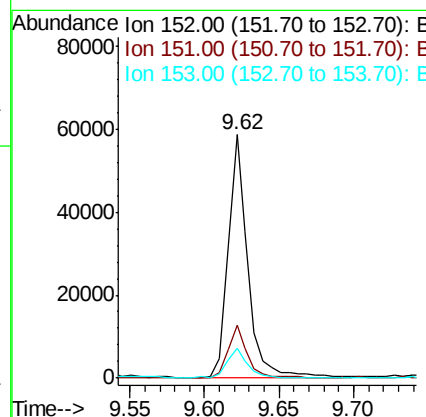
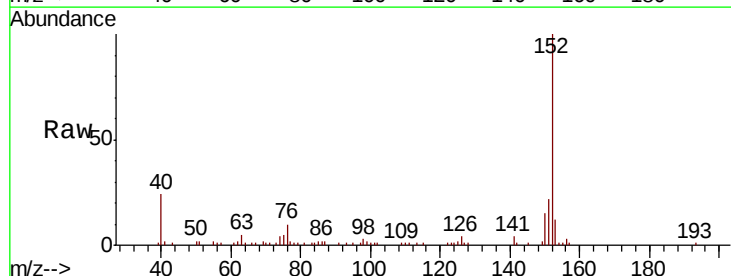
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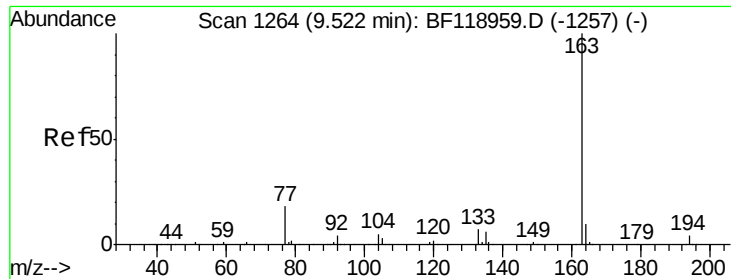
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#49
Acenaphthylene
Concen: 2.765 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	54812		
151	21.6		16.9	25.3
153	12.2		11.0	16.6





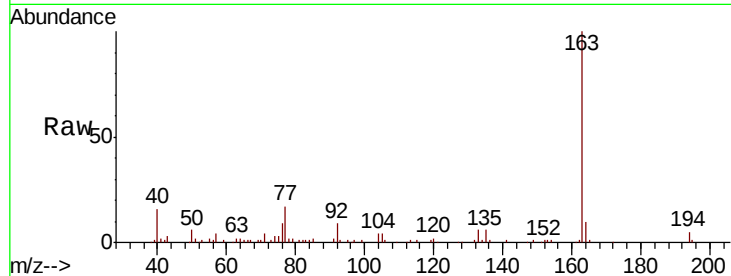
#50
Dimethylphthalate
Concen: 5.386 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Instrument :
BNA_F
ClientSampleId :
VNJ-215-72-12018

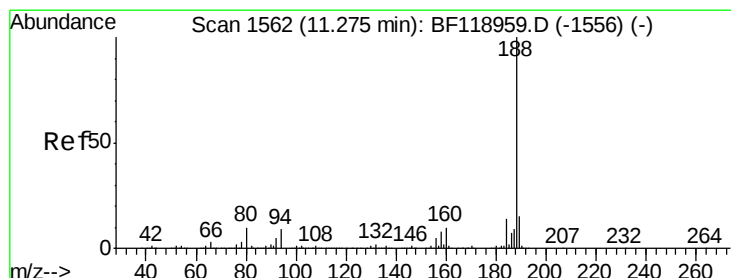
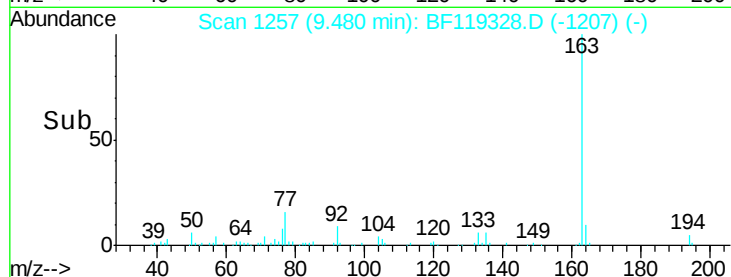
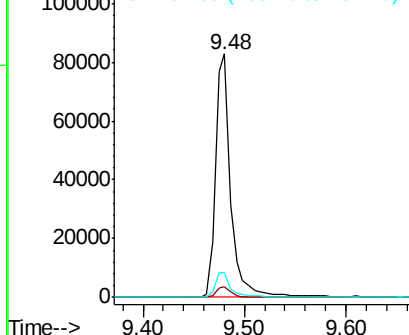
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.3	8.4	12.6

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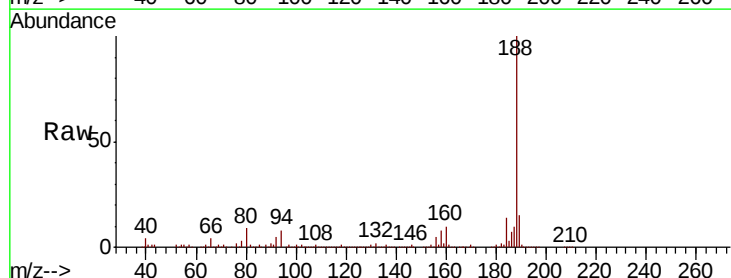


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

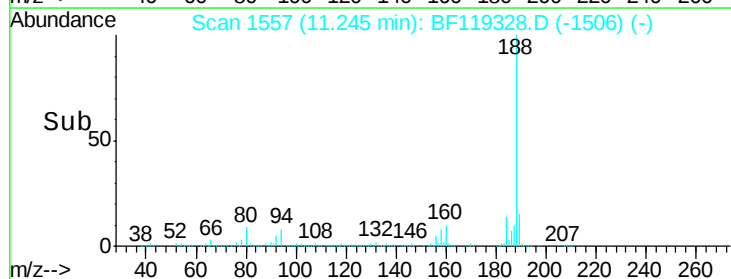
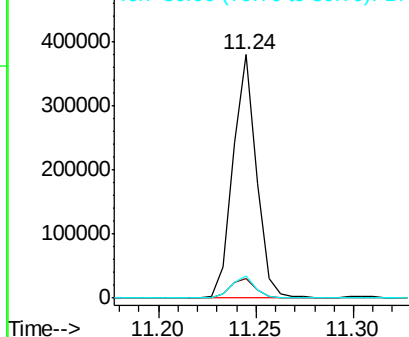


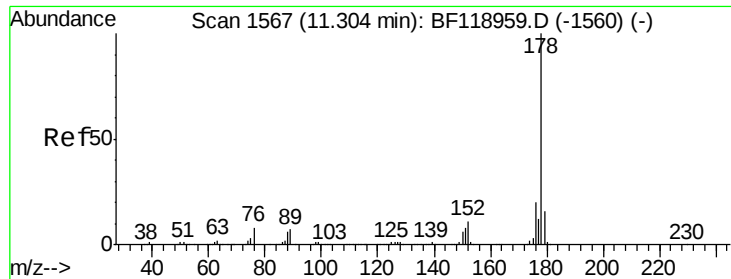
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	7.1	10.7
80	9.1	7.8	11.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





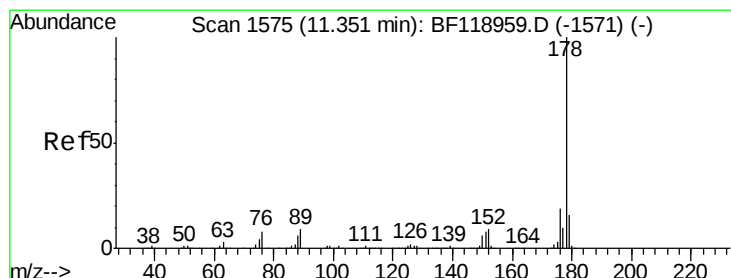
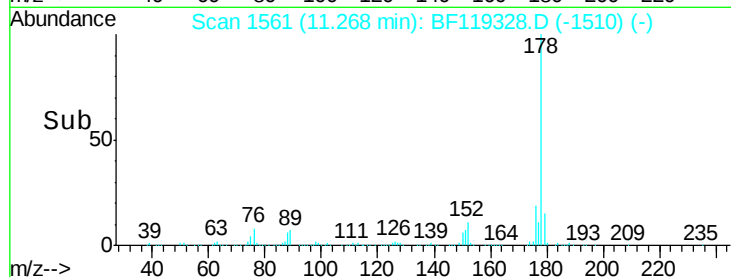
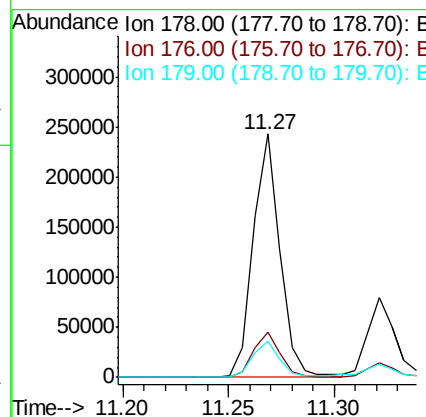
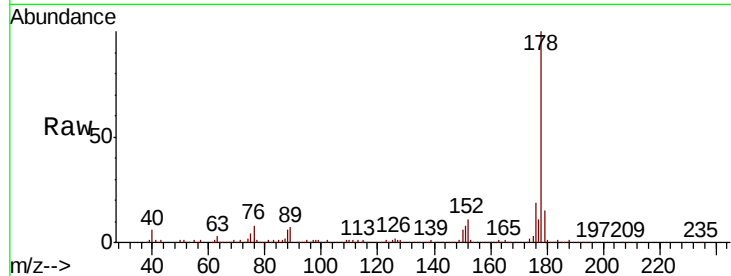
#71
Phenanthrene
Concen: 12.405 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Instrument :
BNA_F
ClientSampleId :
VNJ-215-72-12018

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.5	24.7
179	15.1	13.0	19.6

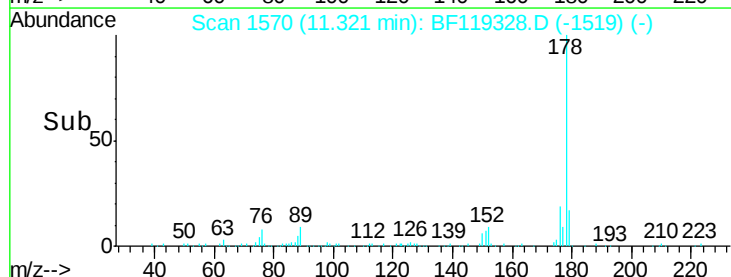
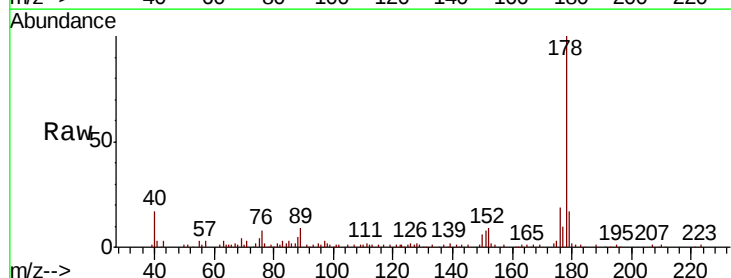
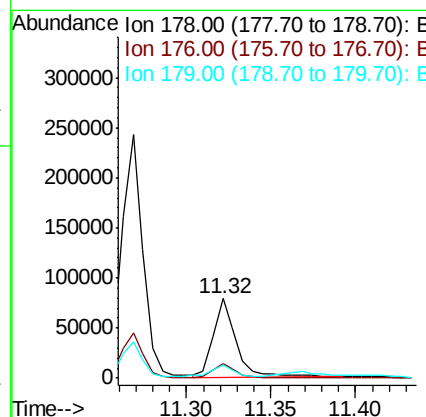
Manual Integrations
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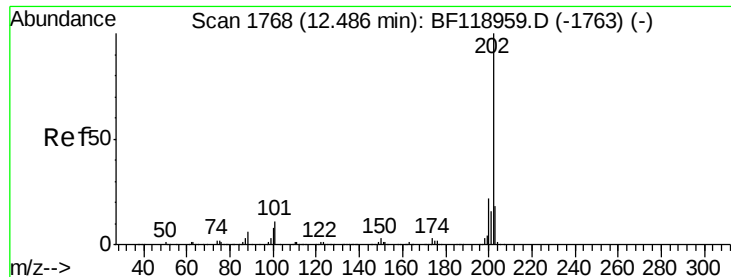
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#72
Anthracene
Concen: 4.168 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.0	24.0
179	17.3	13.1	19.7





#75

Fluoranthene

Concen: 18.151 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

Instrument :

BNA_F

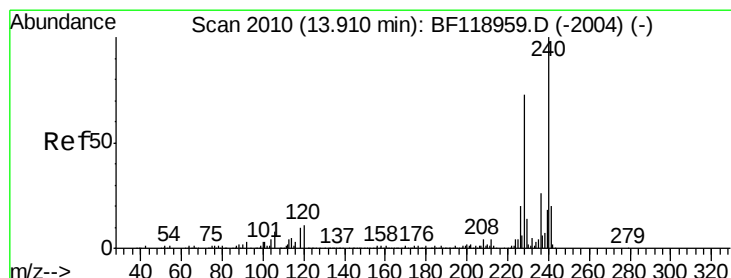
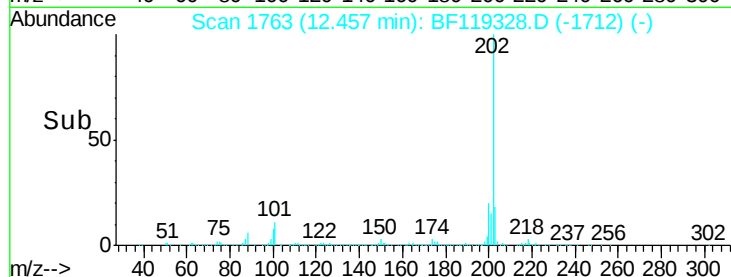
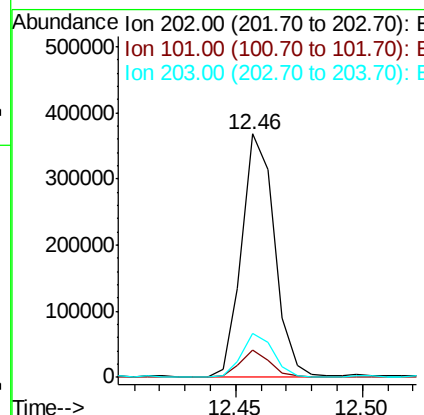
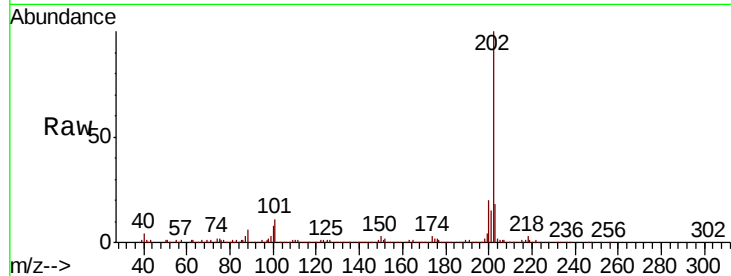
ClientSampleId :

VNJ-215-72-12018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.2	0.0	30.3		
203	18.3	0.0	38.4		

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#76

Chrysene-d12

Concen: 20.000 ng

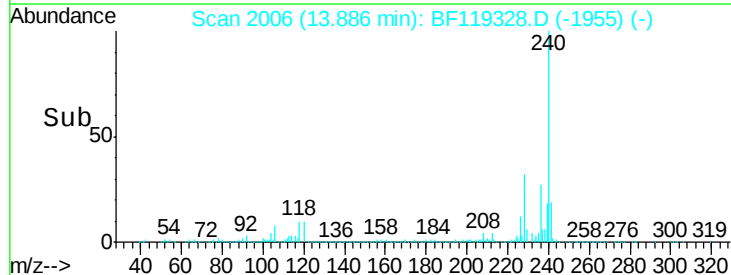
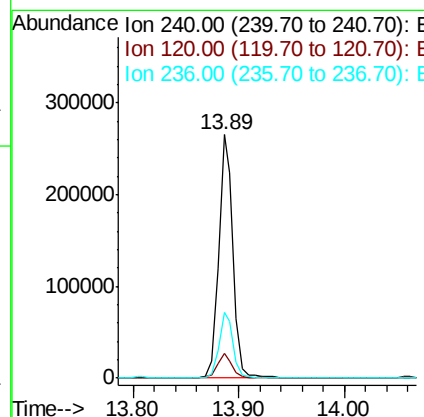
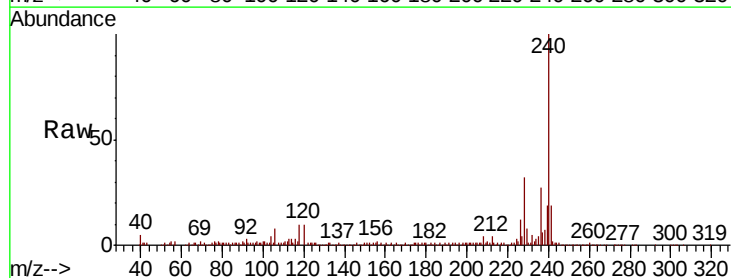
RT: 13.89 min Scan# 2006

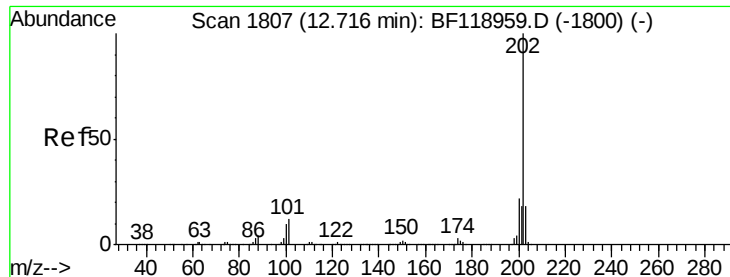
Delta R.T. 0.00 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.2	8.4	12.6		
236	26.9	21.0	31.4		





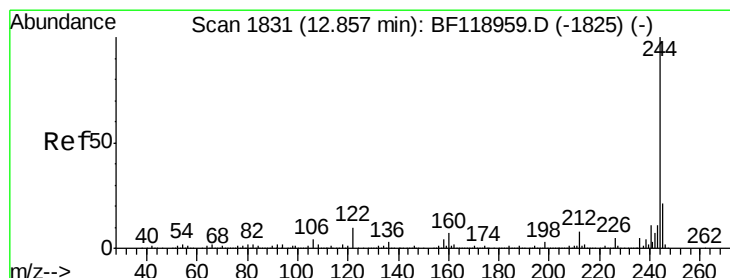
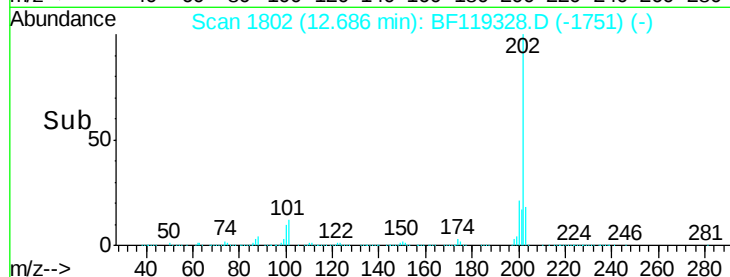
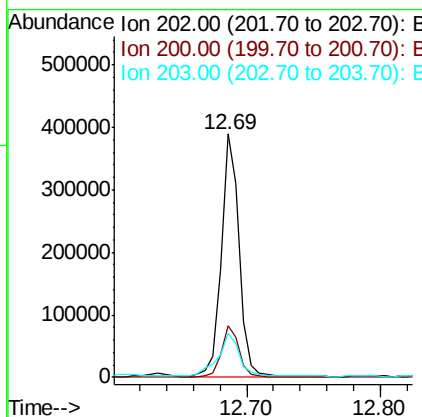
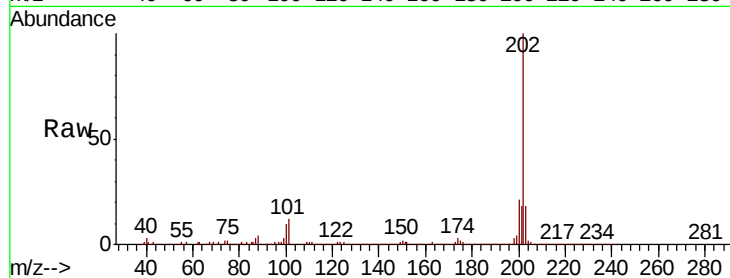
#78
Pvrene
Concen: 18.079 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.00 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Instrument :
BNA_F
ClientSampleId :
VNJ-215-72-12018

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.0	27.0
203	18.1	14.6	22.0

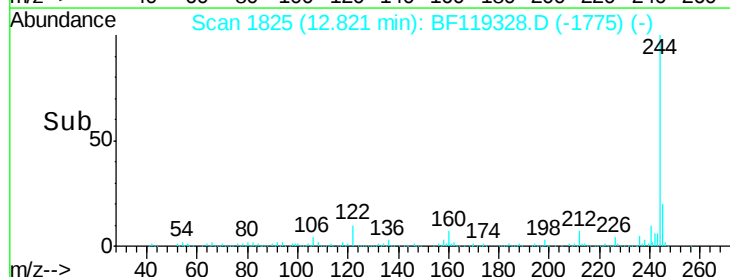
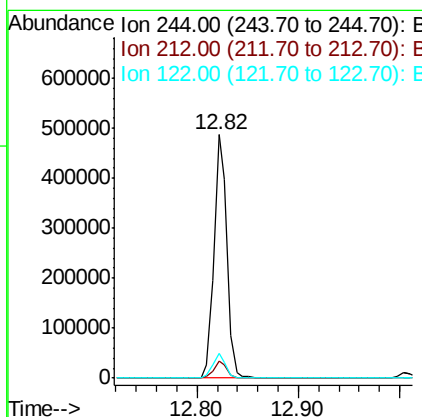
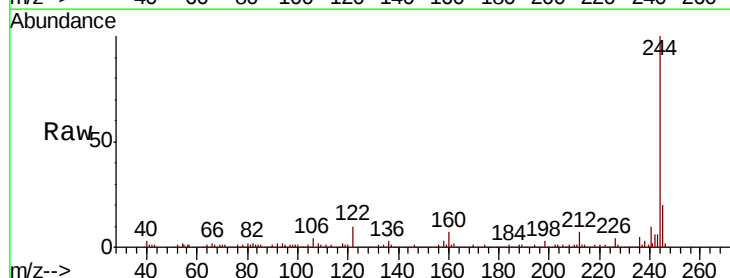
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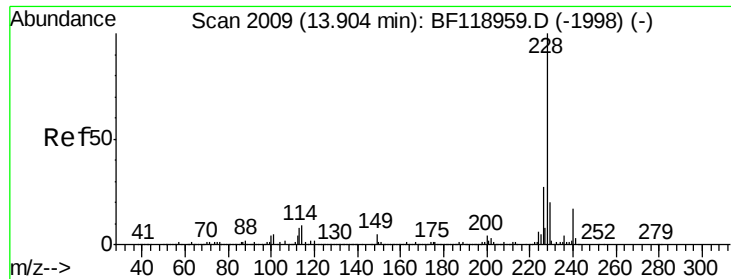
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#79
Terphenyl-d14
Concen: 29.524 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.6	10.0
122	10.3	8.2	12.2





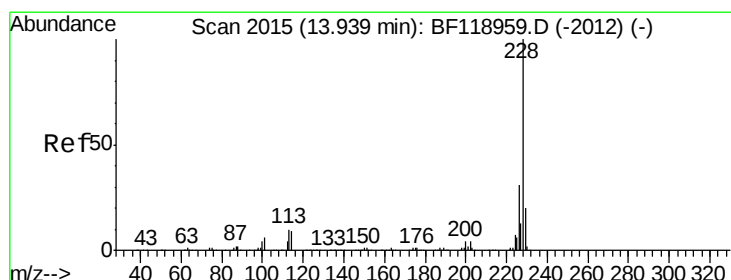
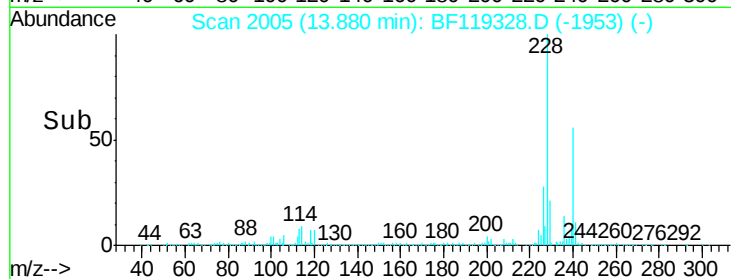
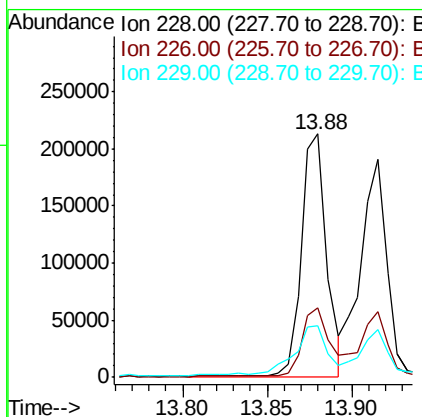
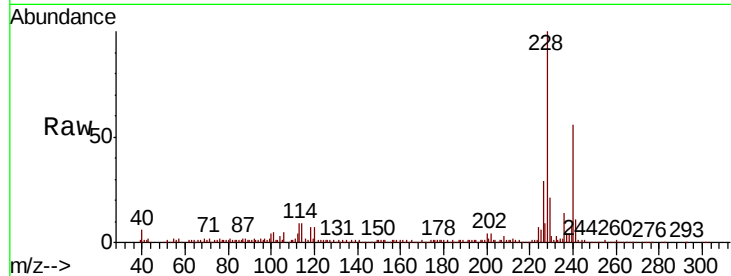
#81
Benzo(a)anthracene
Concen: 12.765 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Instrument :
BNA_F
ClientSampleId :
VNJ-215-72-12018

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.5	16.6	24.8

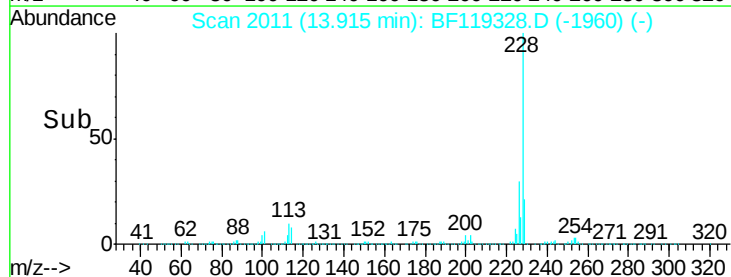
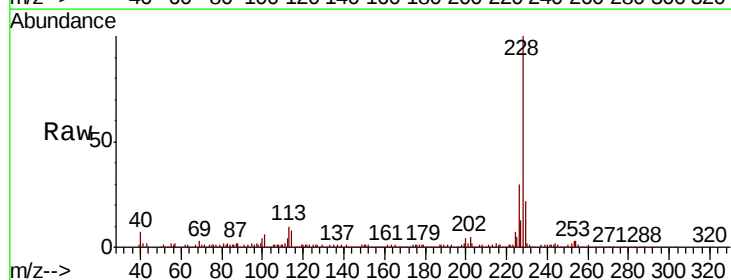
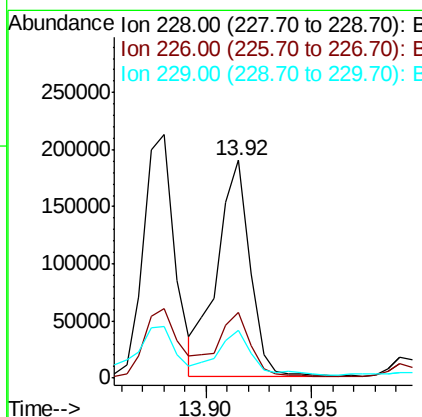
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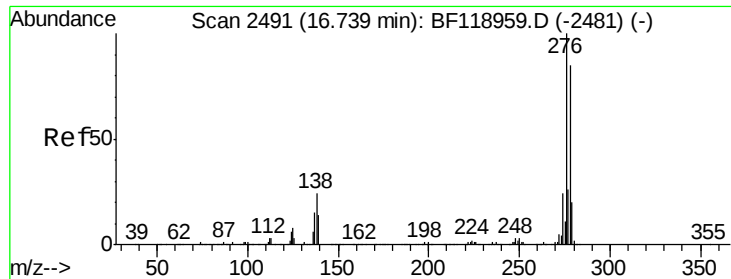
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#83
Chrysene
Concen: 11.865 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.1	37.7
229	22.1	16.3	24.5





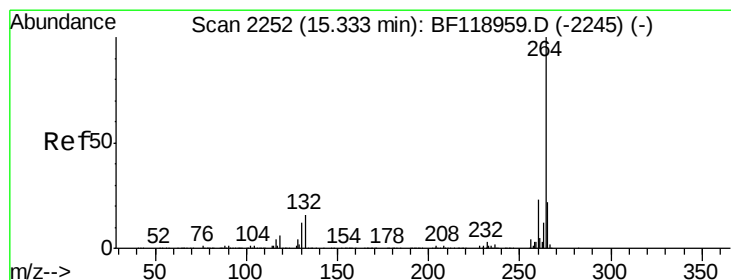
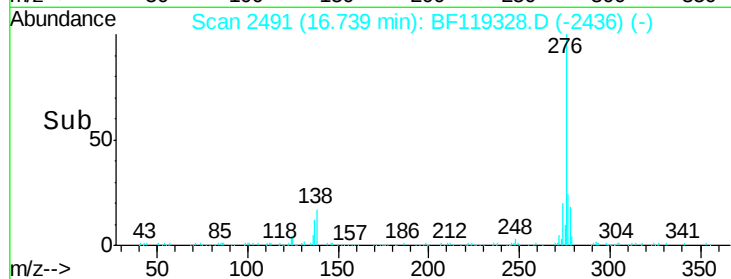
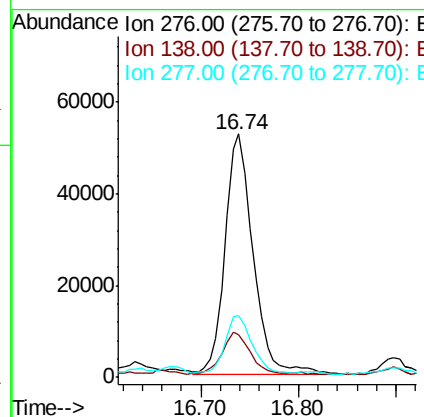
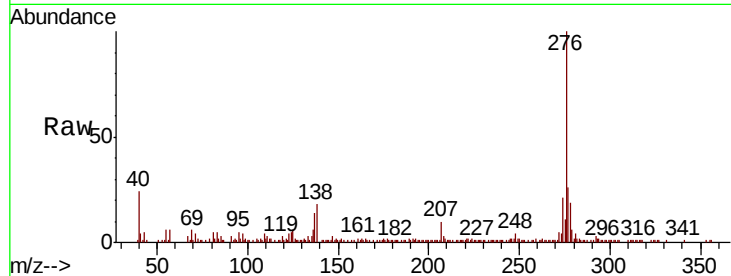
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.297 ng
 RT: 16.74 min Scan# 2491
 Delta R.T. 0.02 min
 Lab File: BF119328.D
 Acq: 10 Mar 2020 20:51

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-215-72-12018

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.1	17.4	26.0#
277	23.1	20.3	30.5

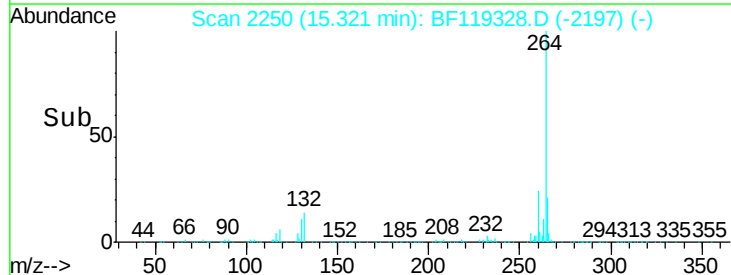
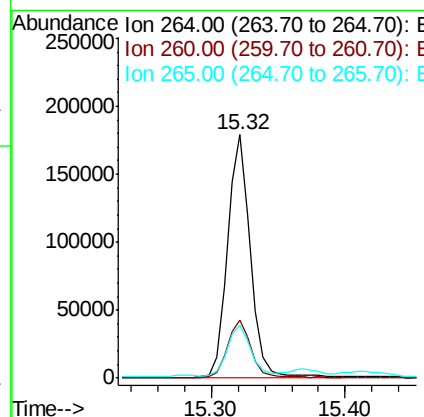
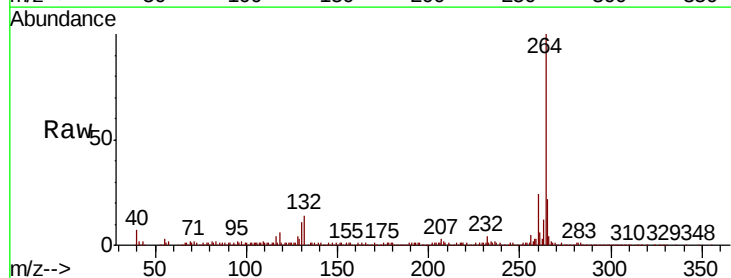
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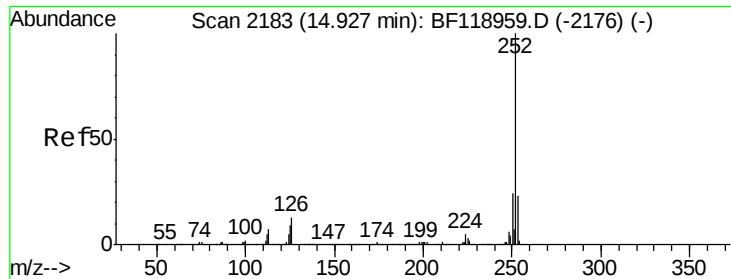
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.01 min
 Lab File: BF119328.D
 Acq: 10 Mar 2020 20:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.7	17.7	26.5





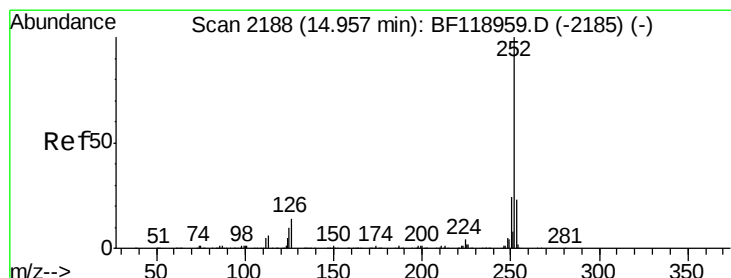
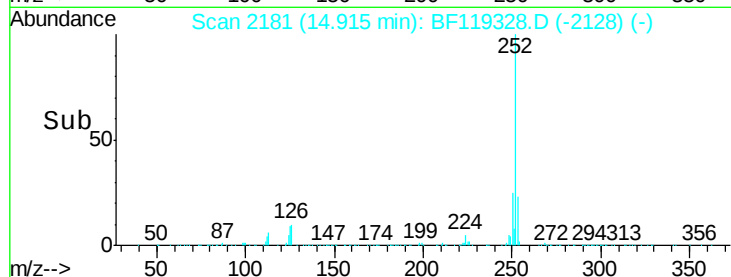
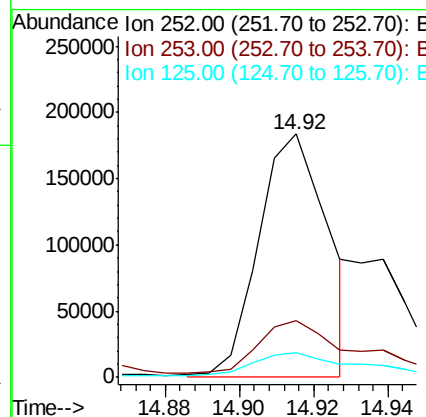
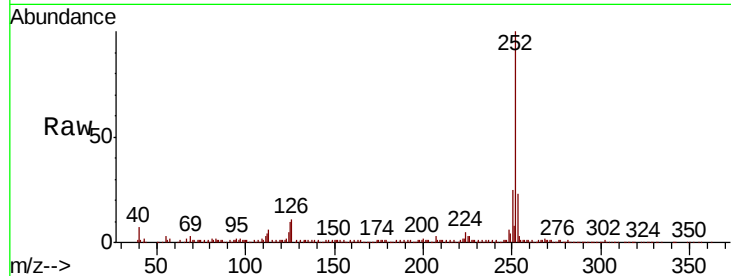
#88
Benzo(b)fluoranthene
Concen: 16.866 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Instrument :
BNA_F
ClientSampleId :
VNJ-215-72-12018

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	10.1	7.4	11.0

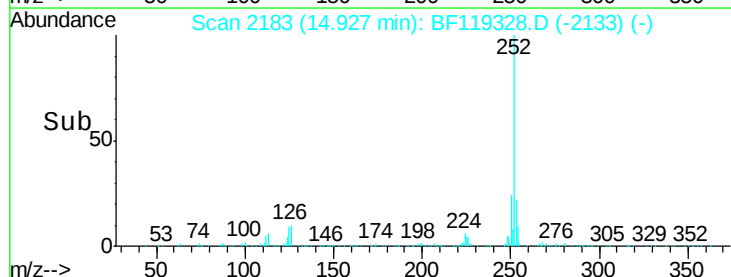
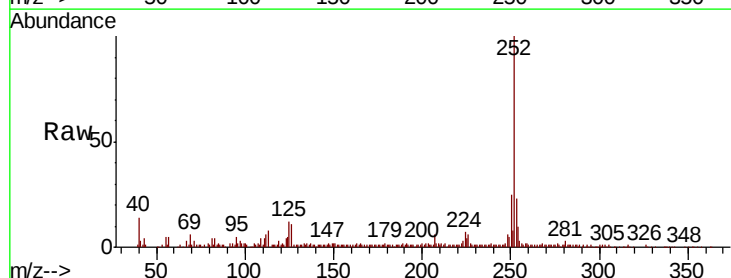
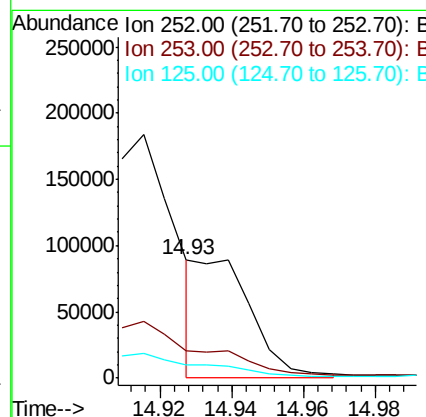
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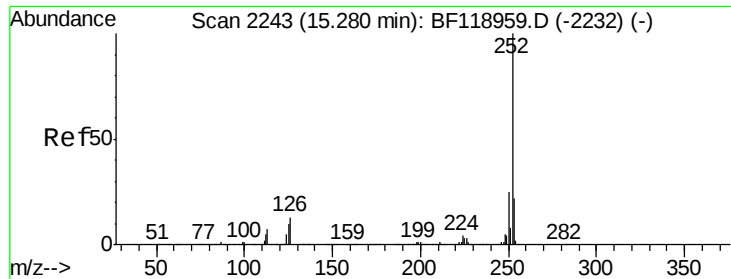
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#89
Benzo(k)fluoranthene
Concen: 7.204 ng m
RT: 14.93 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	11.6	7.5	11.3





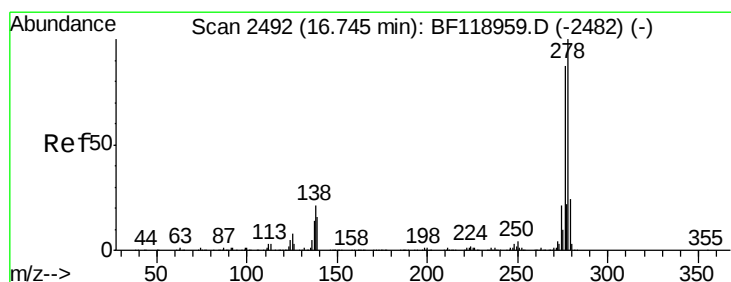
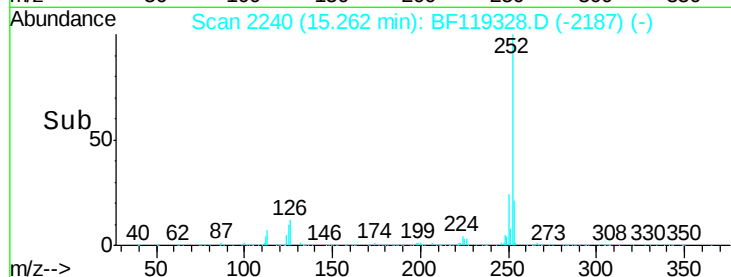
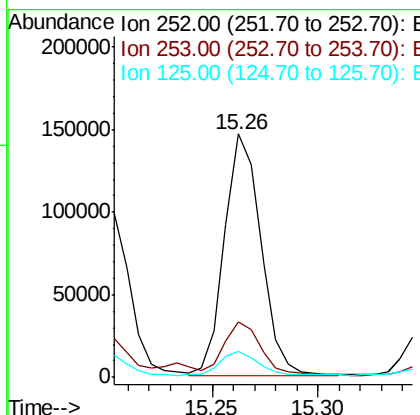
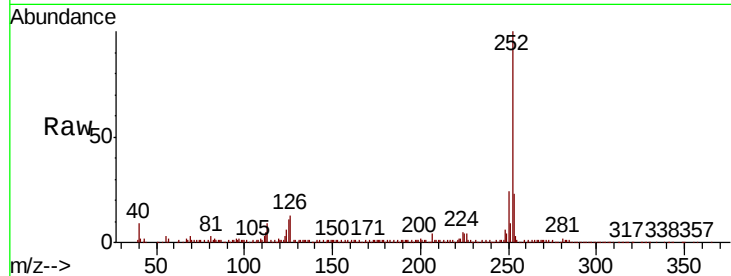
#90
Benzo(a)pyrene
Concen: 13.845 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Instrument :
BNA_F
ClientSampleId :
VNJ-215-72-12018

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	10.6	8.6	12.8

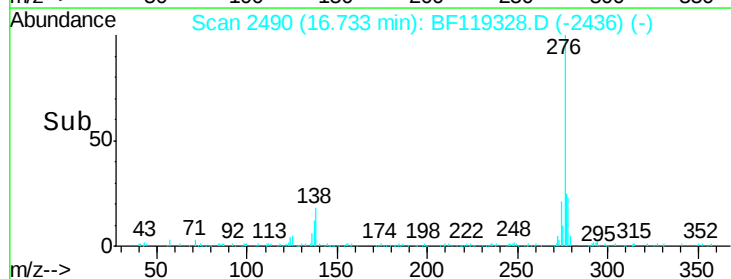
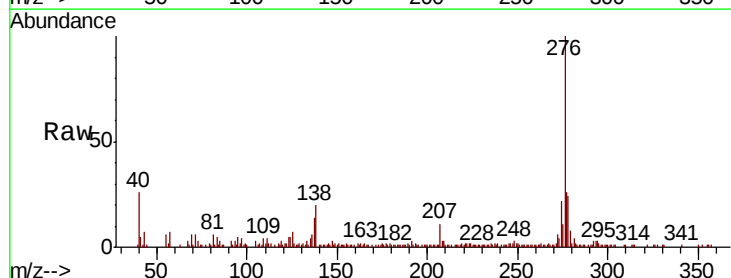
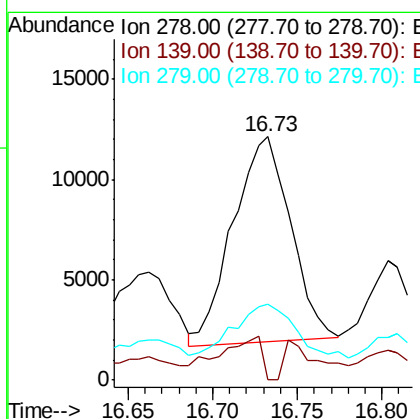
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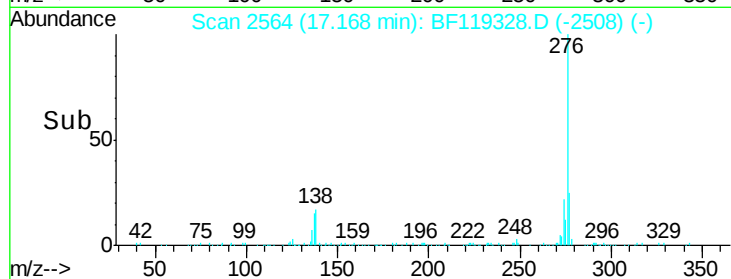
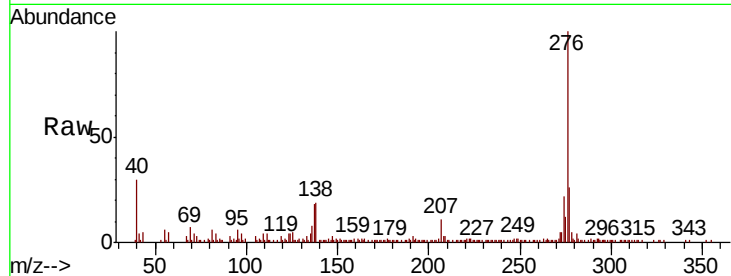
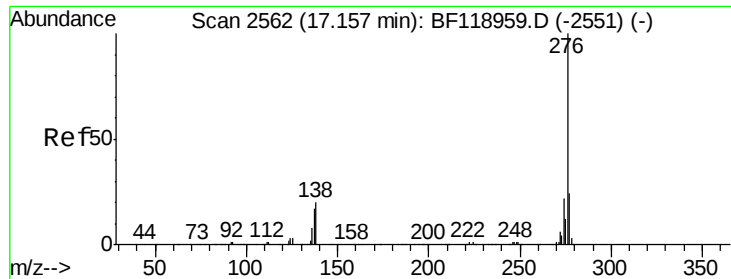
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#91
Dibenzo(a,h)anthracene
Concen: 2.182 ng
RT: 16.73 min Scan# 2490
Delta R.T. 0.02 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.0	16.4#
279	31.2	18.6	28.0#





#92

Benzo(a,h,i)perylene

Concen: 8.671 ng

RT: 17.17 min Scan# 2564

Delta R.T. 0.03 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

Tot Ion:	276	Resp:	96018
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.7	28.1
138	18.6	14.3	21.5

Instrument :

BNA_F

ClientSampleId :

VNJ-215-72-12018

Manual Integrations
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