

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
 Data File : BF112557.D
 Acq On : 14 Feb 2019 2:17
 Operator : JU/SJ
 Sample : K1345-01DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-021119DL

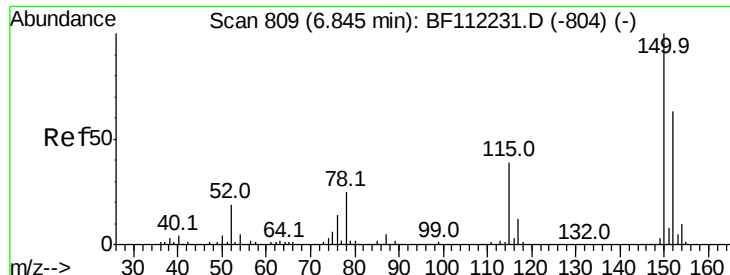
Manual Integrations
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Quant Time: Feb 14 07:00:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	85810	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	309493	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	121593	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	213397	20.00	ng	0.00
76) Chrysene-d12	14.02	240	174526	20.00	ng	0.00
87) Perylene-d12	15.49	264	122560	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	107450	26.60	ng	0.00
7) Phenol-d6	6.49	99	136153	24.25	ng	0.00
23) Nitrobenzene-d5	7.40	82	76209	14.19	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	27061	19.12	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	146884	17.09	ng	-0.01
79) Terphenyl-d14	12.95	244	137287	14.82	ng	0.00
Target Compounds						
49) Acenaphthylene	9.74	152	33623	2.783	ng	Qvalue 97
71) Phenanthrene	11.39	178	178001	16.044	ng	95
72) Anthracene	11.45	178	75872	6.865	ng	97
75) Fluoranthene	12.58	202	528578	44.421	ng	98
78) Pyrene	12.82	202	458591	37.953	ng	98
81) Benzo(a)anthracene	14.00	228	227202	22.145	ng	98
83) Chrysene	14.04	228	170205	17.380	ng	97
86) Indeno(1,2,3-cd)pyrene	17.00	276	75951	9.788	ng	# 92
88) Benzo(b)fluoranthene	15.06	252	200895m	27.408	ng	
89) Benzo(k)fluoranthene	15.09	252	57624m	8.208	ng	
90) Benzo(a)pyrene	15.43	252	135285	20.513	ng	98
91) Dibenzo(a,h)anthracene	16.99	278	18944	3.564	ng	95
92) Benzo(a,h,i)perylene	17.45	276	66486	13.258	ng	96

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



#1

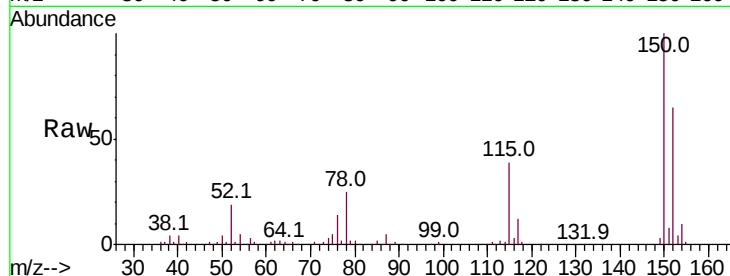
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-021119DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	127.4	191.0
115	59.4	45.5	68.3

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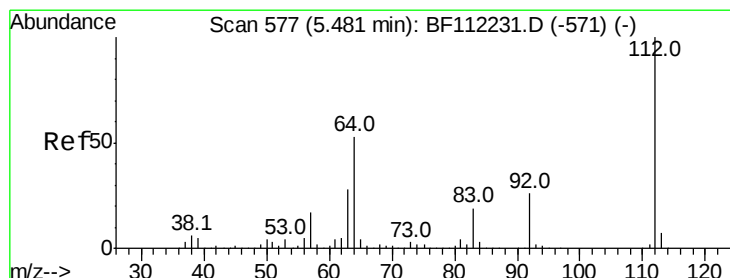
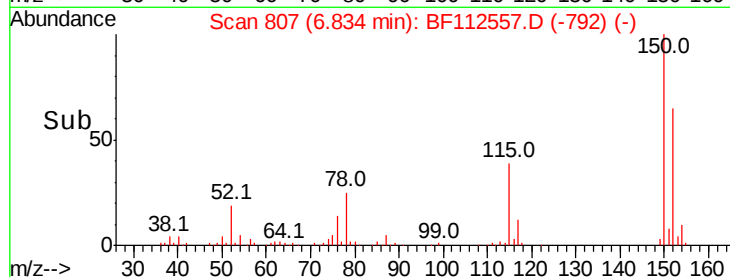
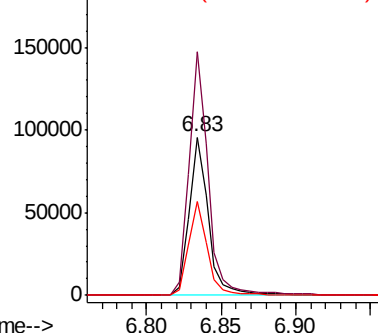


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

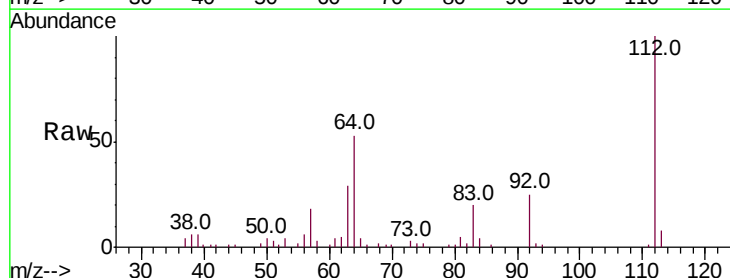
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 26.597 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	45.7	68.5
63	28.6	23.6	35.4

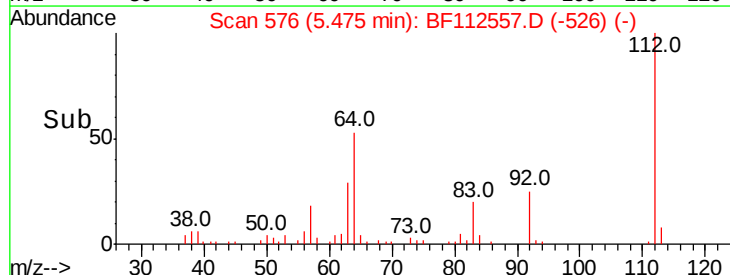
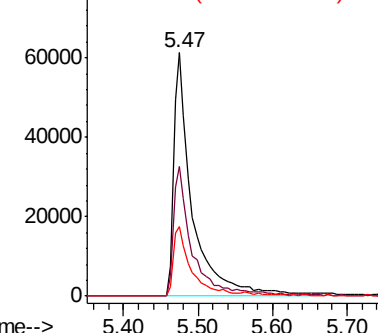


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 24.254 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Instrument :

BNA_F

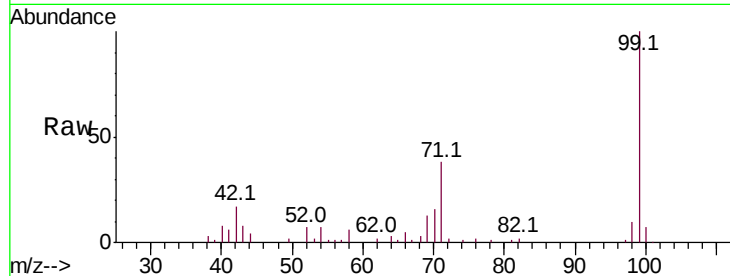
ClientSampleID :

HD-02-021119DL

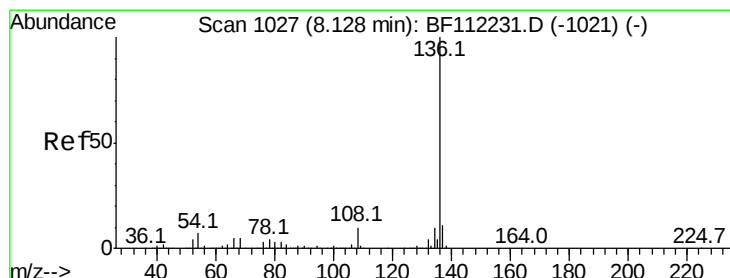
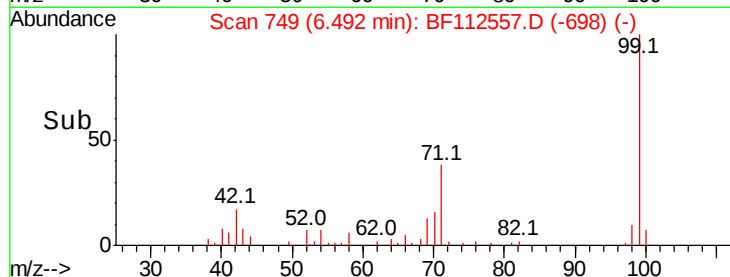
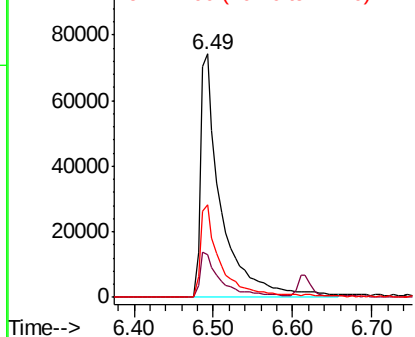
Tot Ion:	99	Resp:	136153
Ion Ratio	Lower	Upper	
99	100		
42	17.3	15.1	22.7
71	37.9	26.9	40.3

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

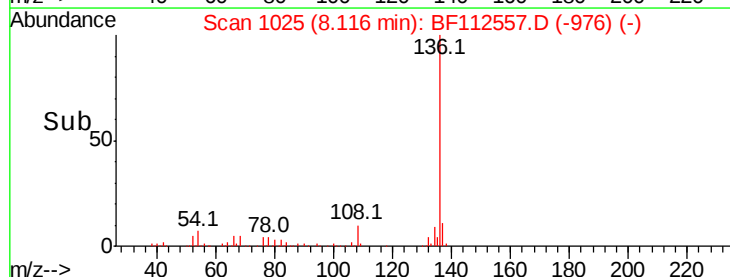
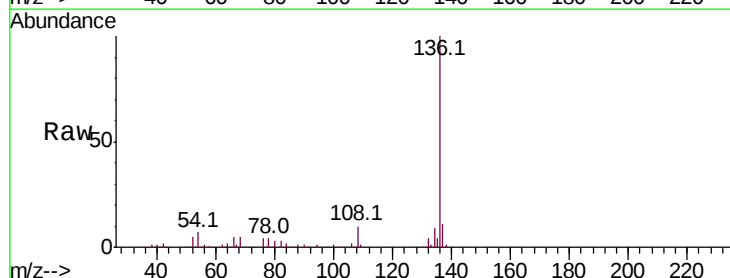
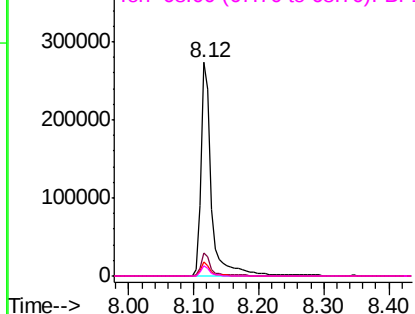
Delta R.T. -0.01 min

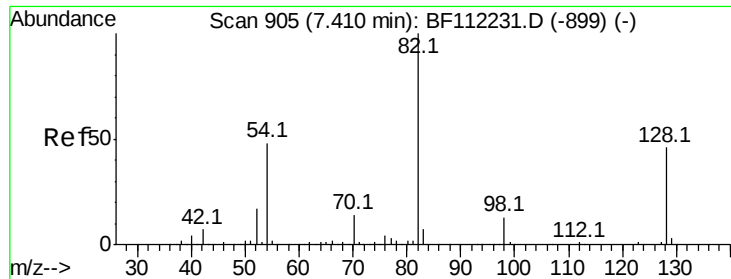
Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Tgt Ion:	136	Resp:	309493
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	6.8	5.9	8.9
68	4.9	5.1	7.7#

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





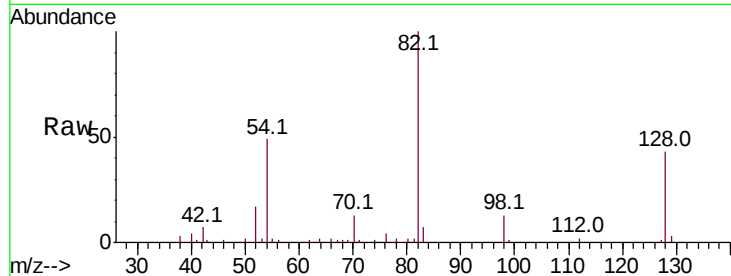
#23
Nitrobenzene-d5
Concen: 14.188 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-021119DL

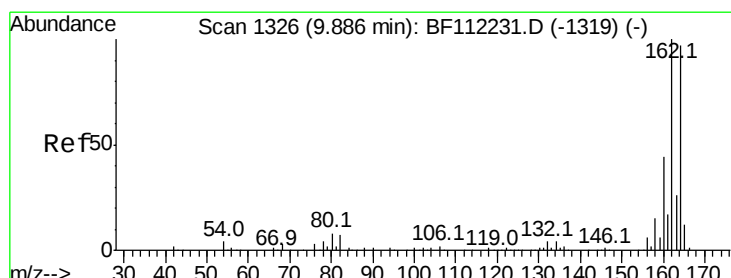
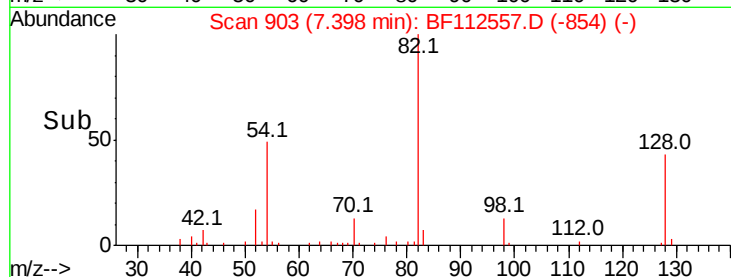
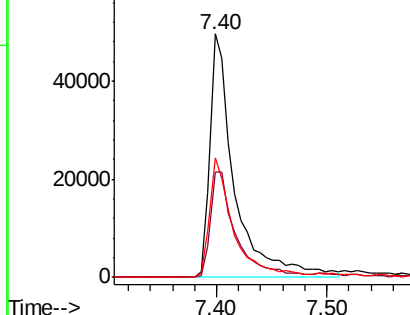
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.5	37.8	56.8
54	48.8	39.7	59.5

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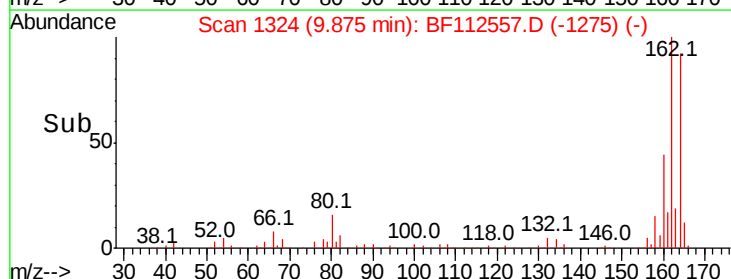
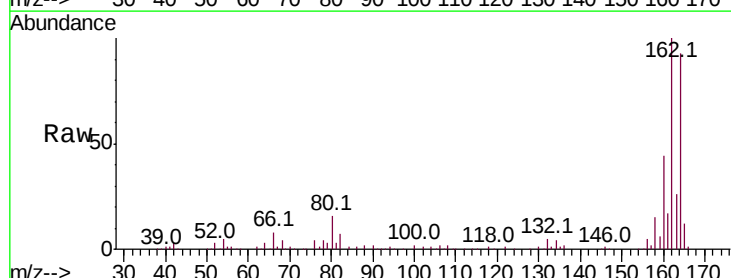
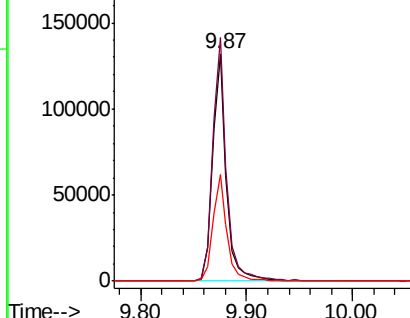
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

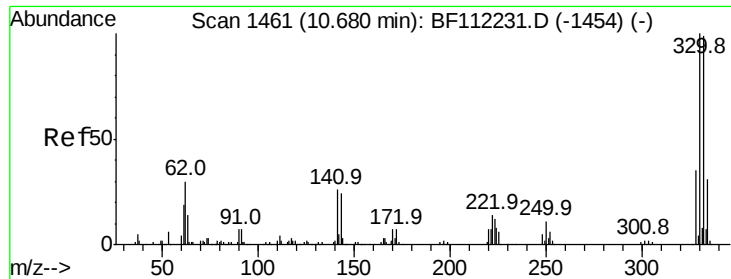


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.1	82.2	123.4
160	46.7	36.2	54.4

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: 19.120 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Instrument :

BNA_F

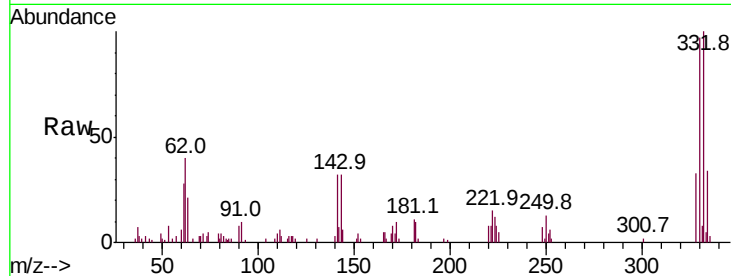
ClientSampleId :

HD-02-021119DL

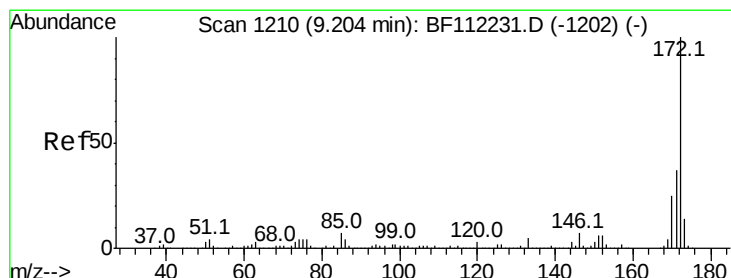
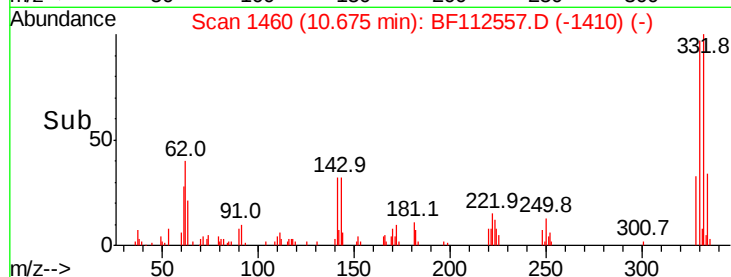
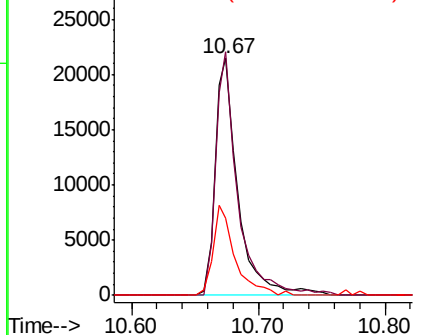
Tot Ion:	330	Resp:	27061
Ion Ratio	Lower	Upper	
330	100		
332	99.5	76.6	114.8
141	36.3	24.3	36.5

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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: 17.085 ng

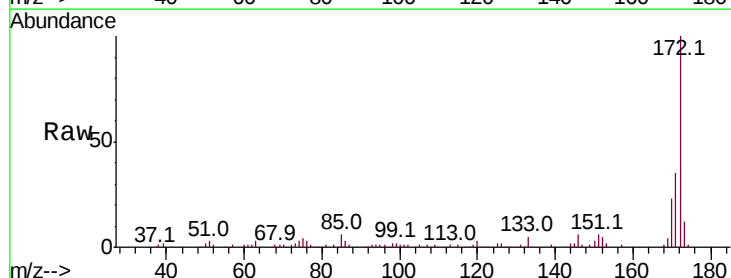
RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

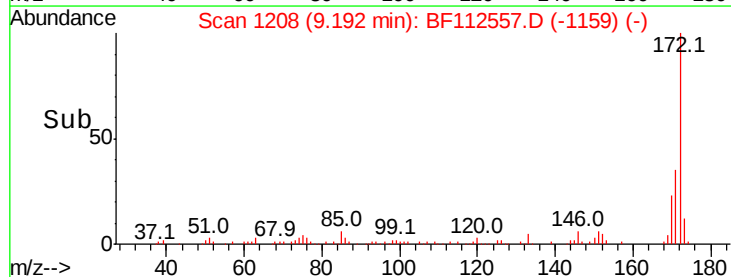
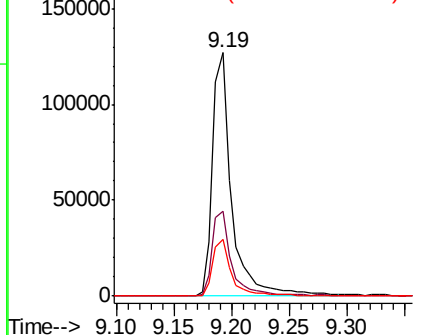
Lab File: BF112557.D

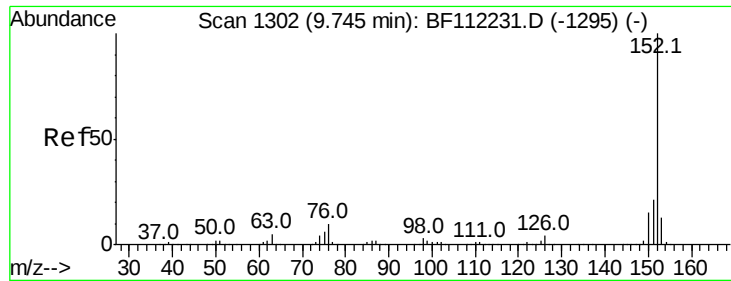
Acq: 14 Feb 2019 2:17

Tgt Ion:	172	Resp:	146884
Ion Ratio	Lower	Upper	
172	100		
171	34.9	30.5	45.7
170	23.4	20.2	30.4



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





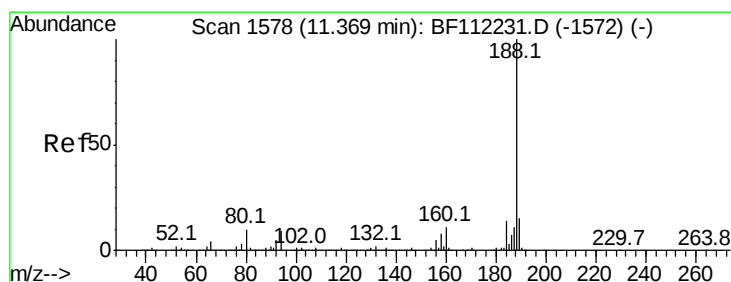
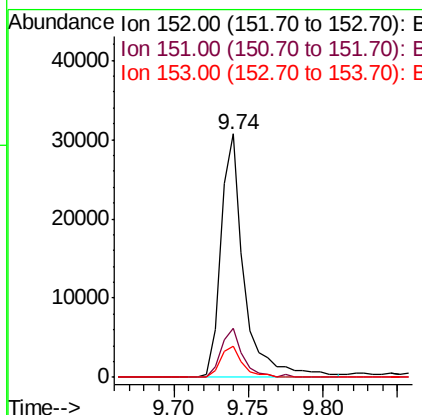
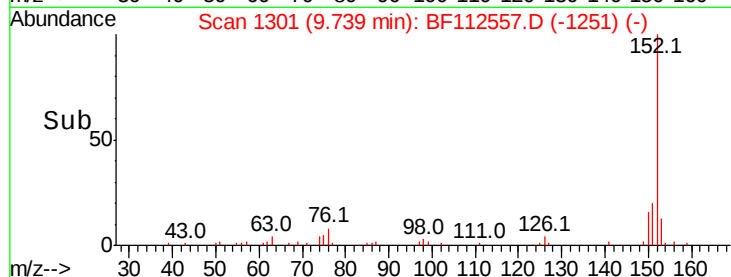
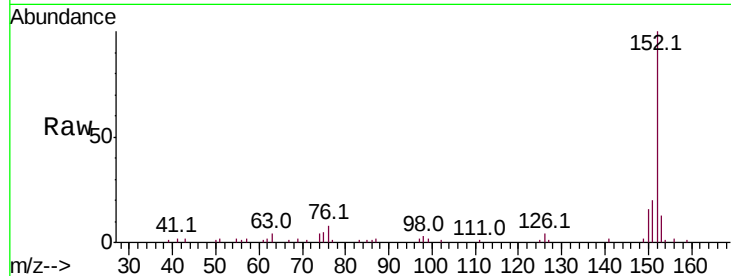
#49
Acenaphthylene
Concen: 2.783 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-021119DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.1	17.0	25.6
153	12.7	11.2	16.8

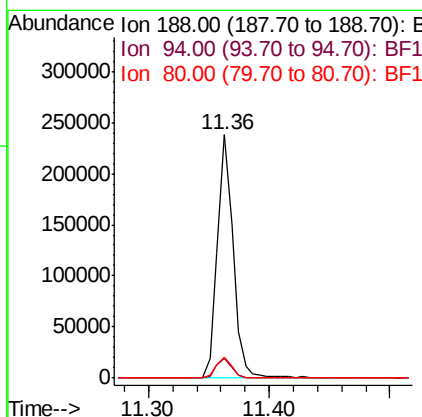
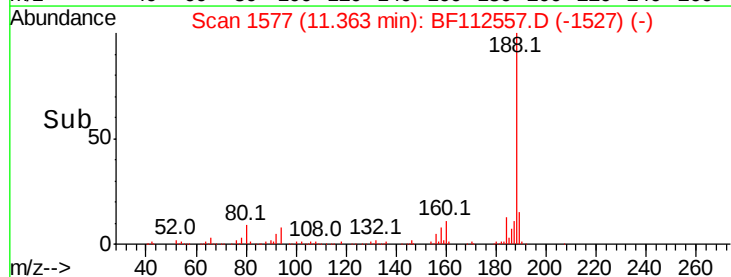
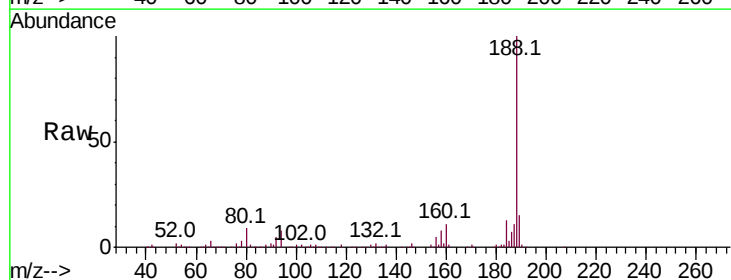
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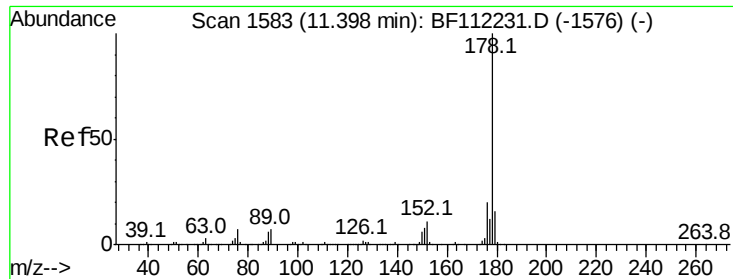
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.2	12.2#
80	8.8	8.9	13.3#





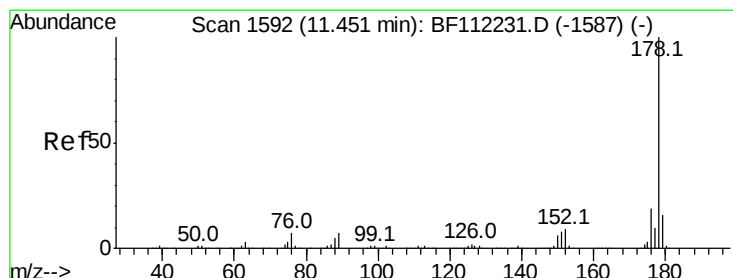
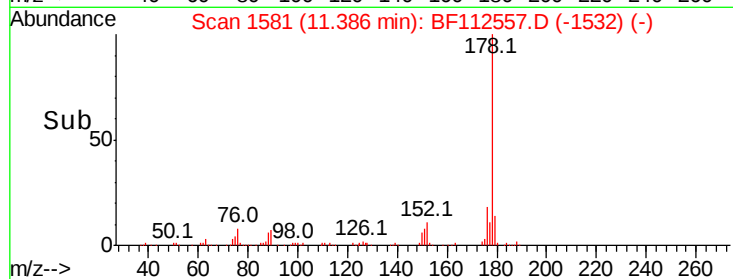
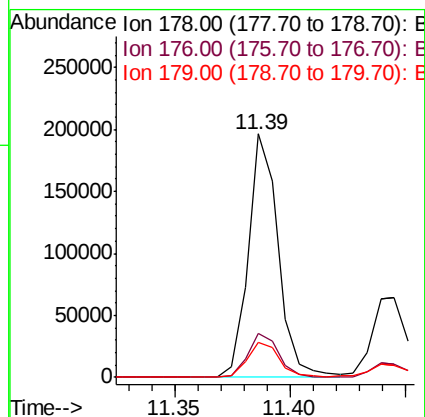
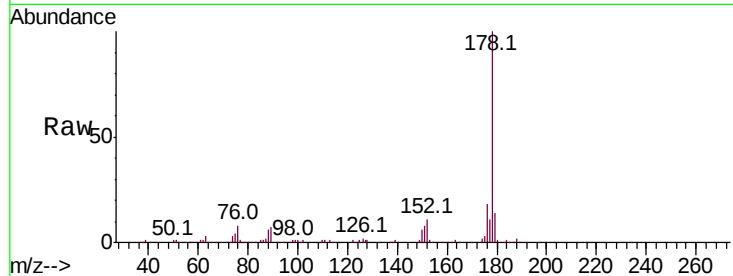
#71
Phenanthrene
Concen: 16.044 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Instrument :
BNA_F
ClientSampleID :
HD-02-021119DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	16.3	24.5
179	14.2	13.0	19.4

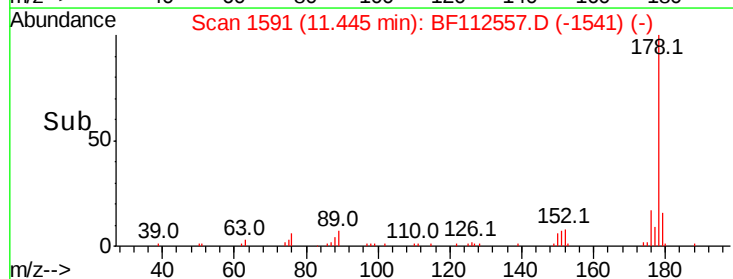
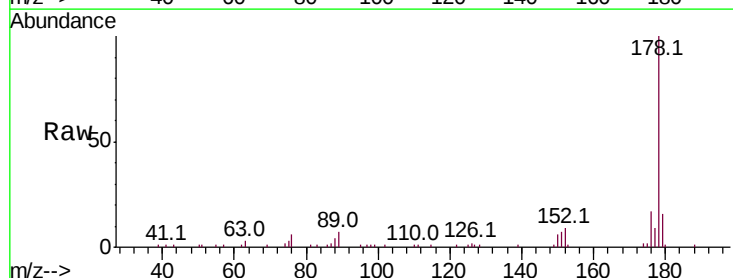
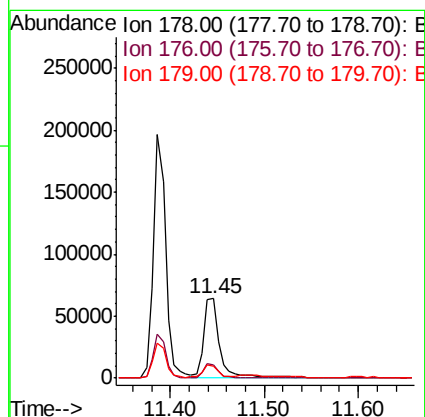
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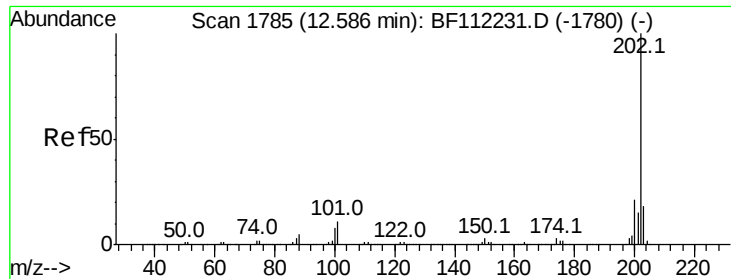
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#72
Anthracene
Concen: 6.865 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.9	15.5	23.3
179	15.6	12.8	19.2





#75

Fluoranthene

Concen: 44.421 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Instrument :

BNA_F

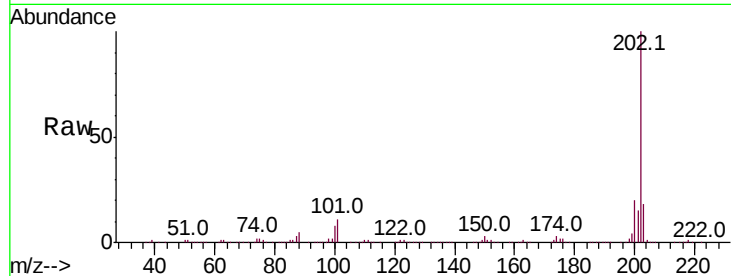
ClientSampleId :

HD-02-021119DL

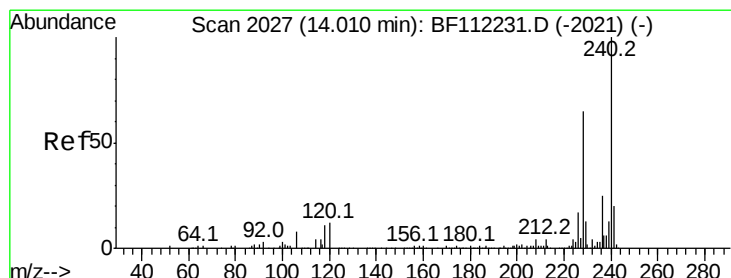
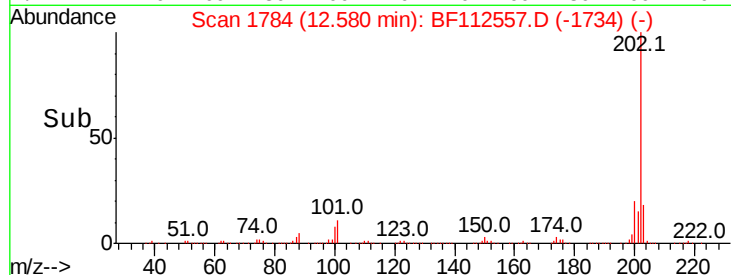
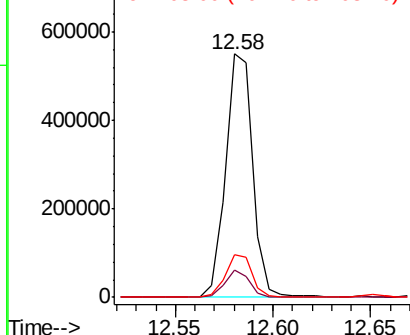
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.2	0.0	31.8
203	17.6	0.0	38.4

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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: 14.02 min Scan# 2028

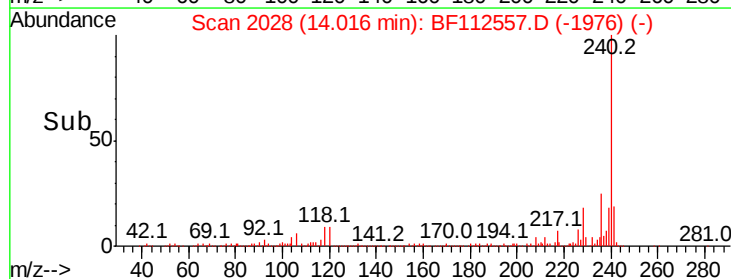
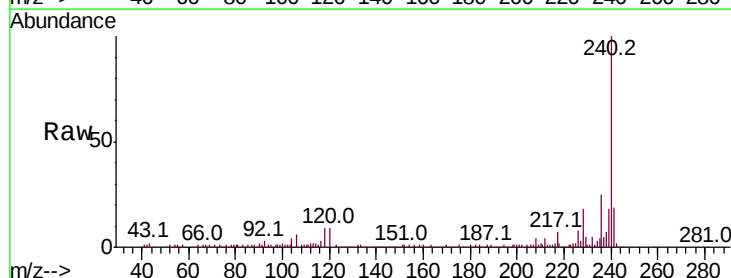
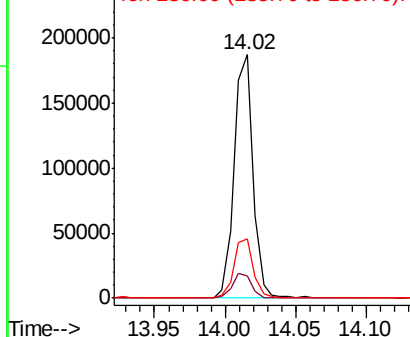
Delta R.T. 0.01 min

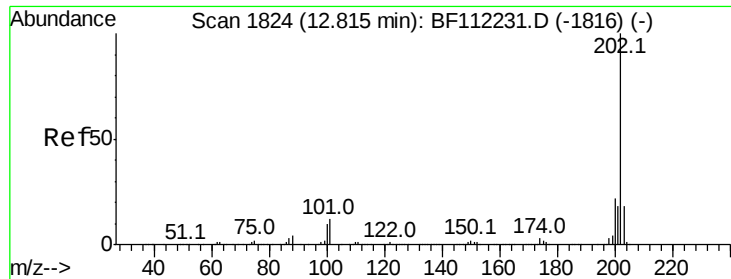
Lab File: BF112557.D

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Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.2	9.0	13.6
236	24.6	20.7	31.1

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





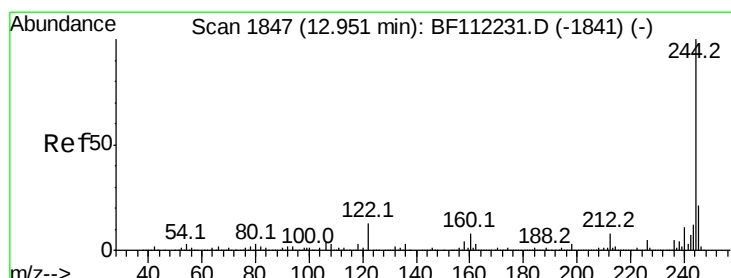
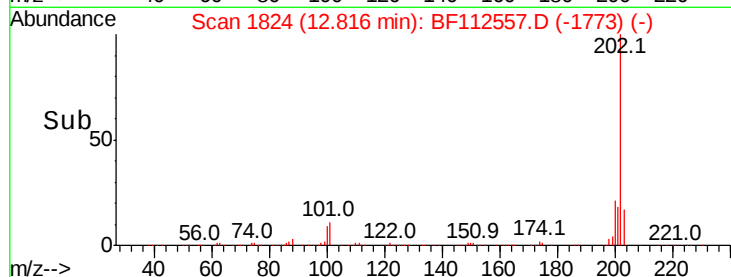
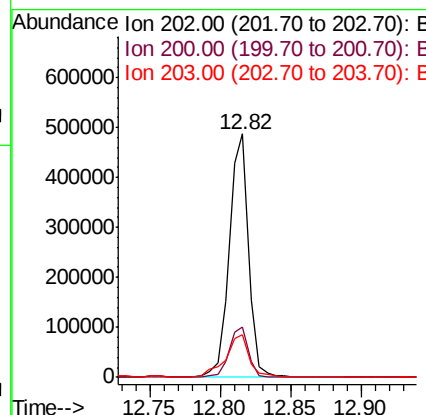
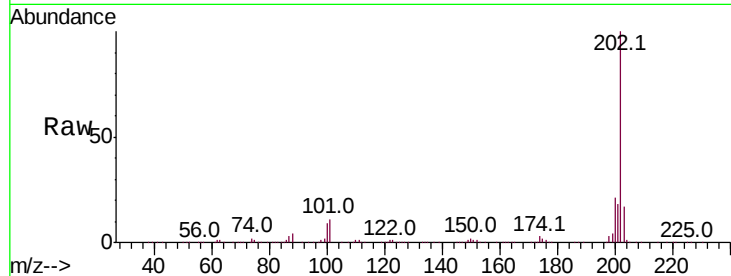
#78
Pvrene
Concen: 37.953 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-021119DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.7	26.5
203	17.4	14.6	22.0

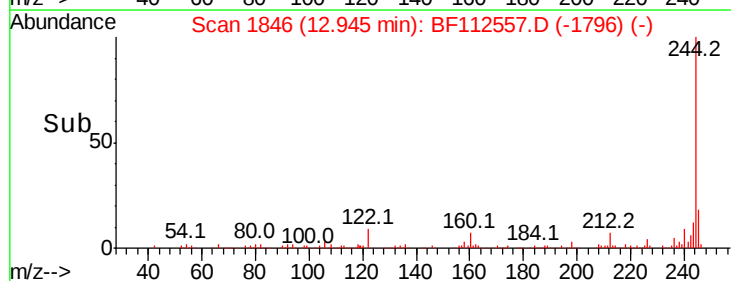
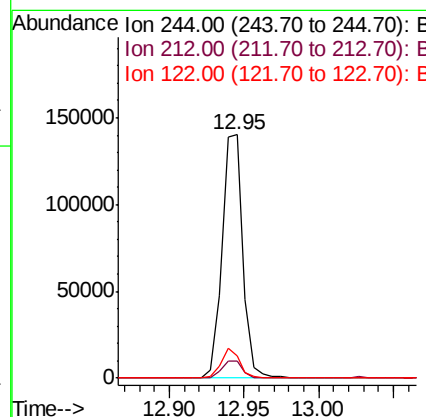
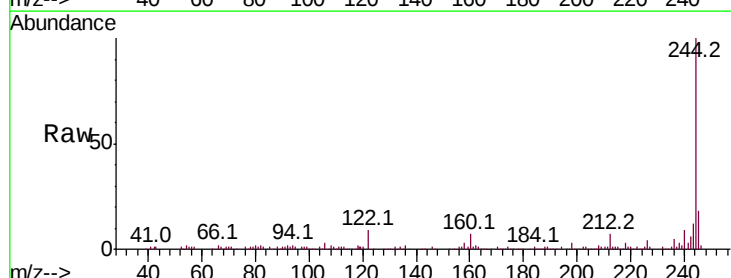
Manual Integrations
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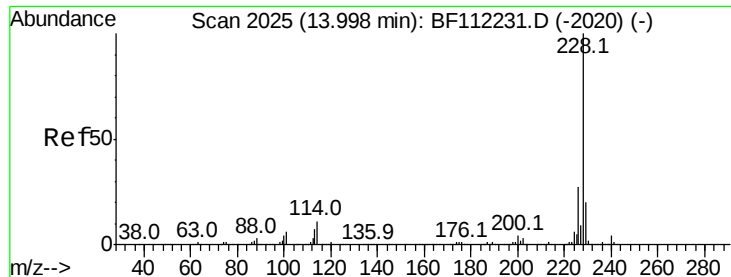
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#79
Terphenyl-d14
Concen: 14.816 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	9.0	9.8	14.6#





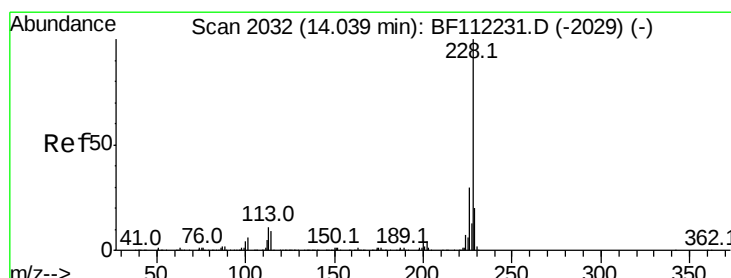
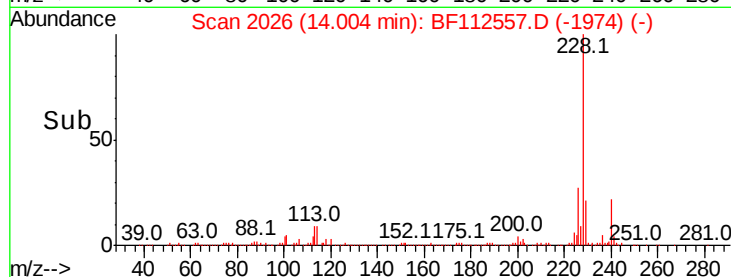
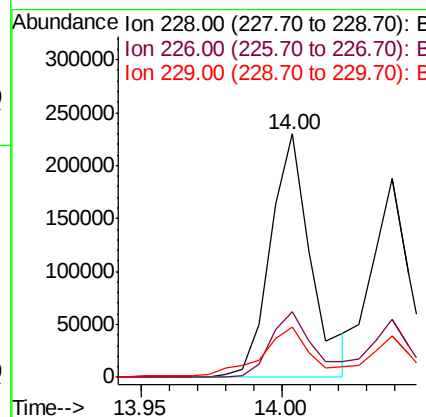
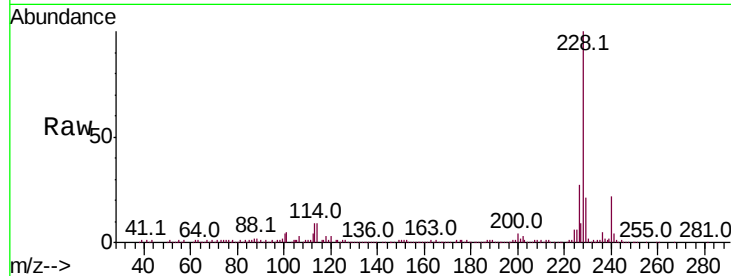
#81
Benzo(a)anthracene
Concen: 22.145 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-021119DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	34.0
229	20.8	16.5	24.7

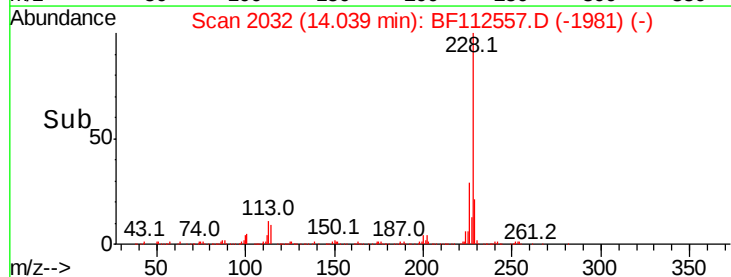
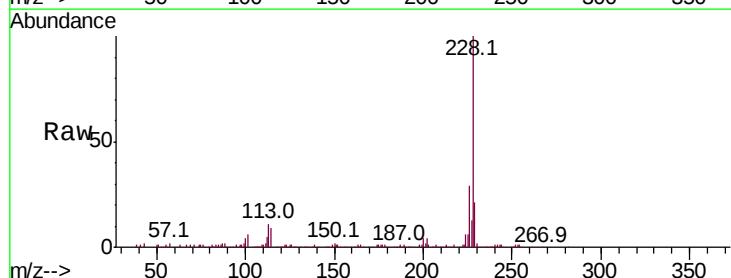
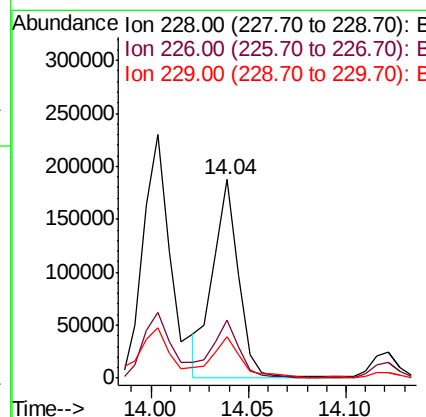
Manual Integrations
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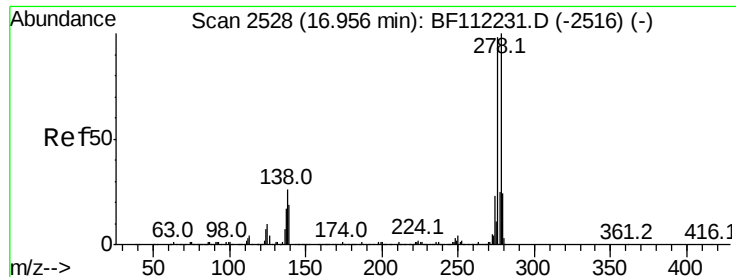
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#83
Chrysene
Concen: 17.380 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	21.0	16.6	24.8





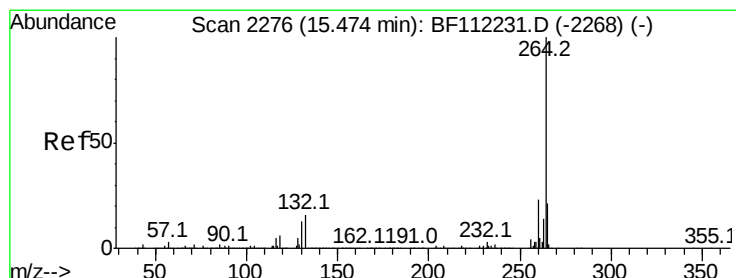
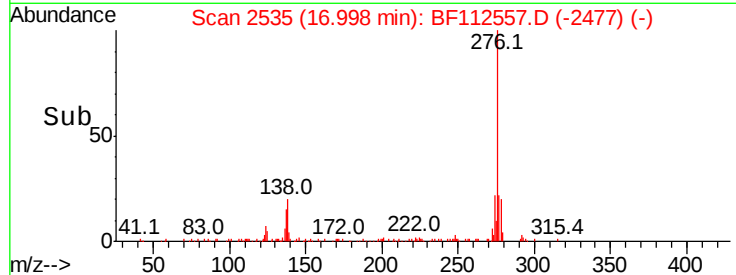
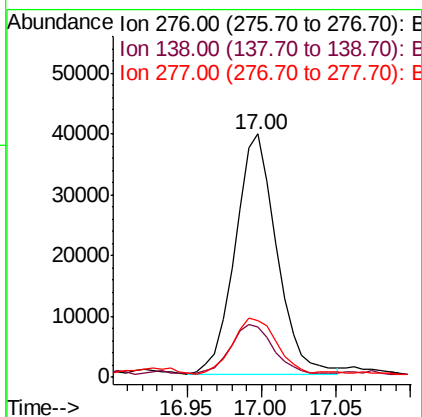
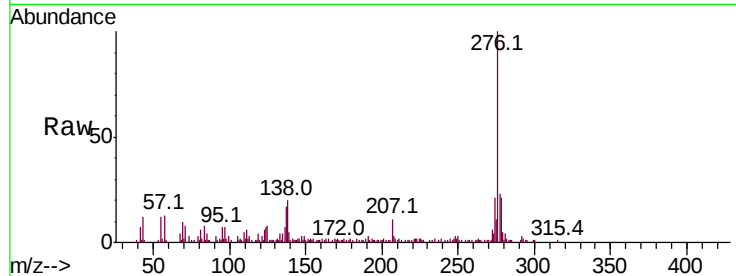
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.788 ng
 RT: 17.00 min Scan# 2535
 Delta R.T. 0.04 min
 Lab File: BF112557.D
 Acq: 14 Feb 2019 2:17

Instrument :
 BNA_F
 ClientSampleID :
 HD-02-021119DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	22.6	34.0#
277	24.6	20.3	30.5

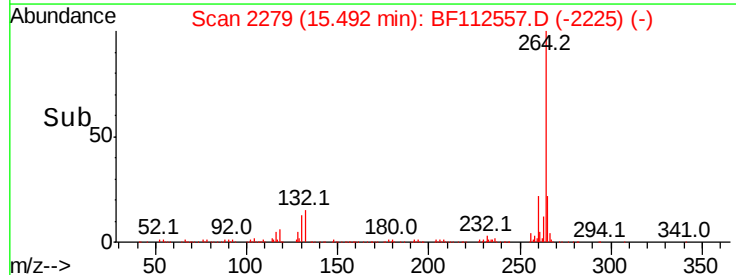
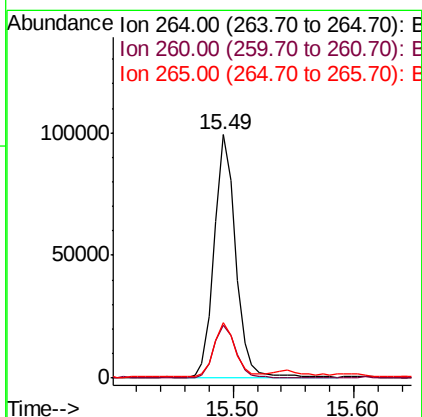
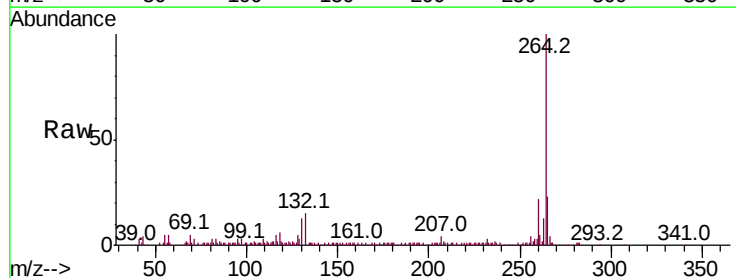
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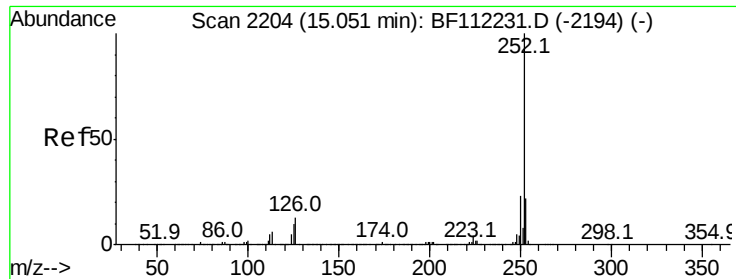
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.02 min
 Lab File: BF112557.D
 Acq: 14 Feb 2019 2:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.2	27.2
265	22.7	17.0	25.4





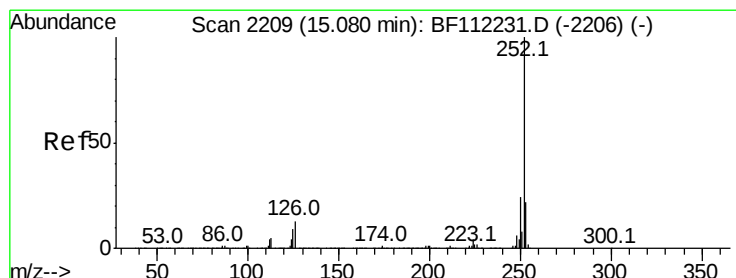
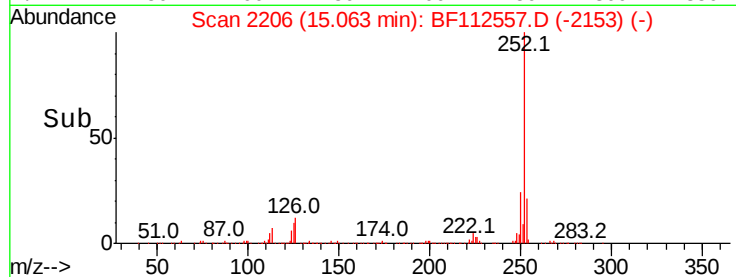
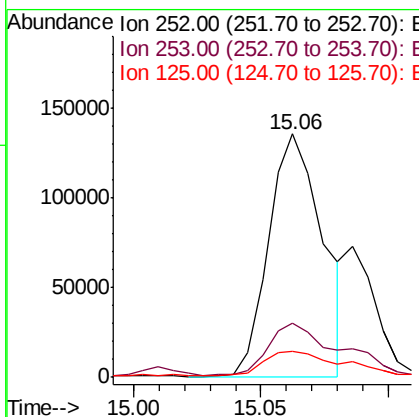
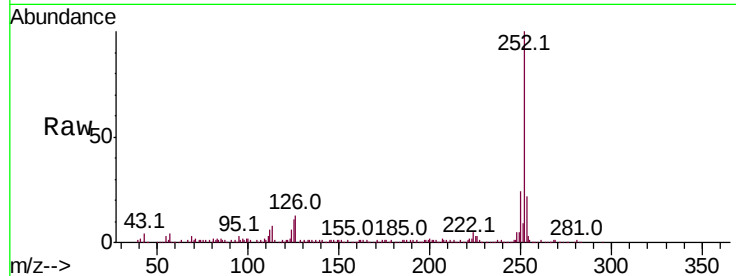
#88
Benzo(b)fluoranthene
Concen: 27.408 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Instrument :
BNA_F
ClientSampleID :
HD-02-021119DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	10.8	8.7	13.1

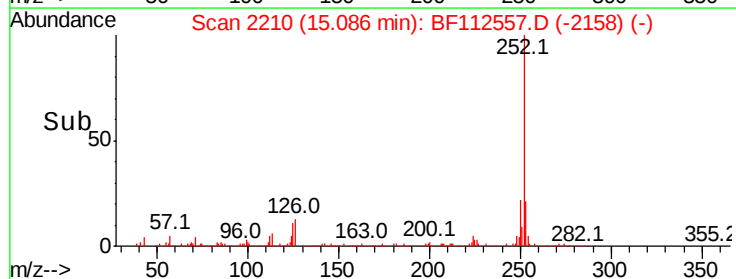
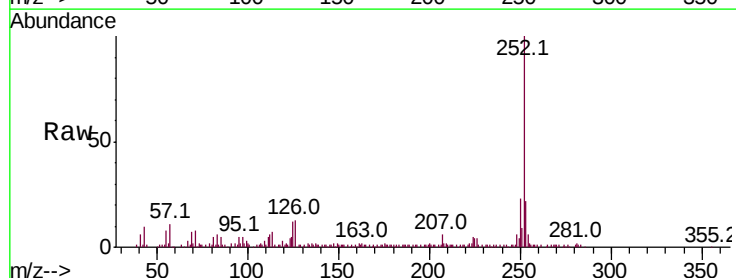
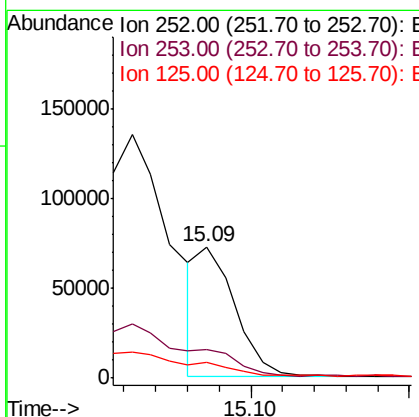
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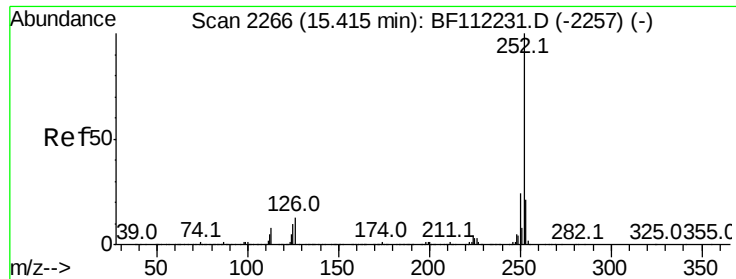
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#89
Benzo(k)fluoranthene
Concen: 8.208 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	11.9	9.1	13.7





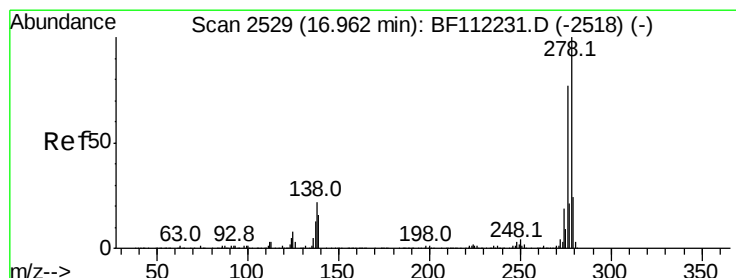
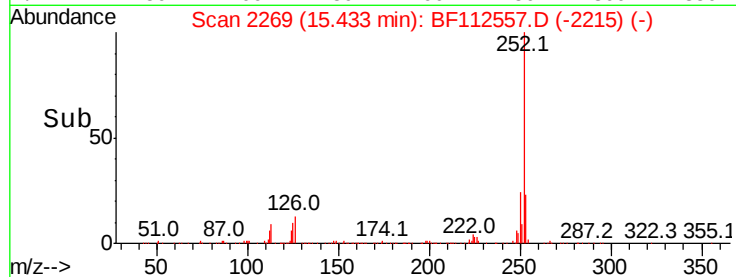
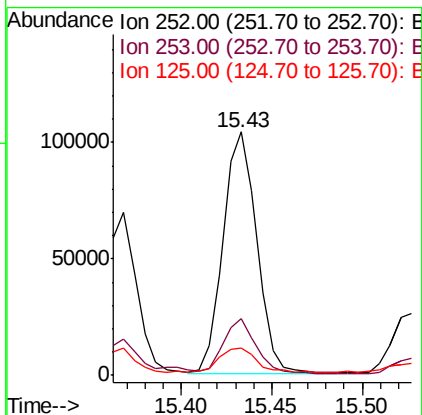
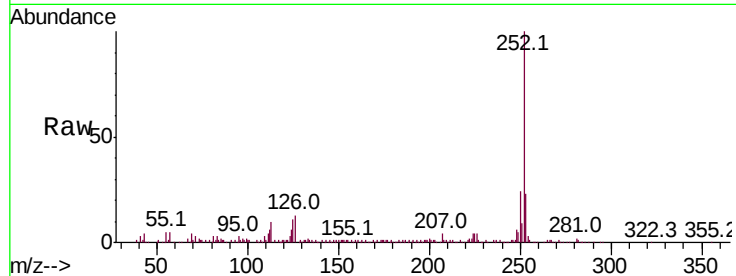
#90
Benzo(a)pyrene
Concen: 20.513 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Instrument :
BNA_F
ClientSampleID :
HD-02-021119DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	11.5	9.0	13.4

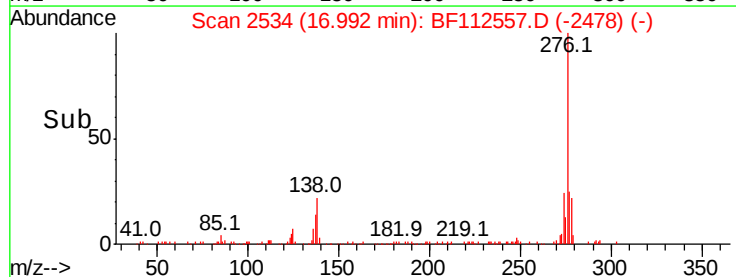
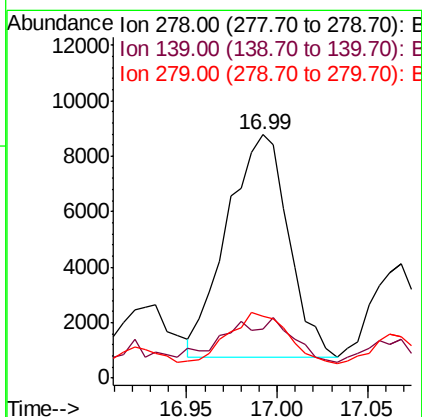
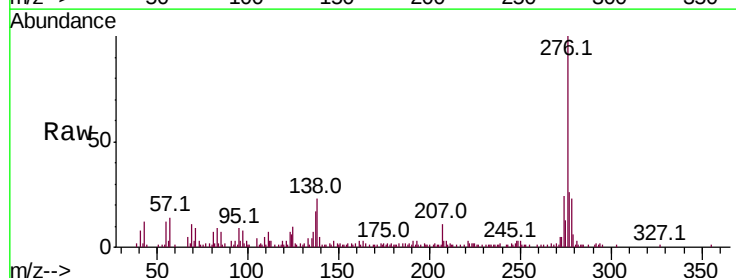
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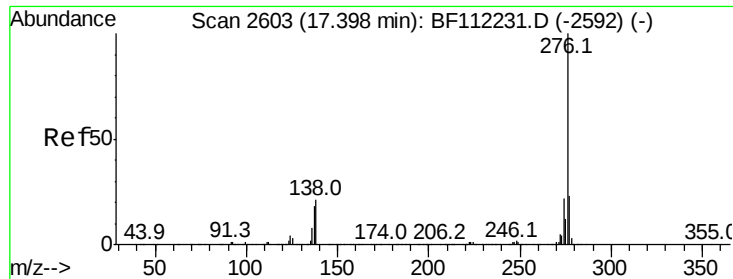
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#91
Dibenzo(a,h)anthracene
Concen: 3.564 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.03 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.3	13.7	20.5
279	25.4	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 13.258 ng
 RT: 17.45 min Scan# 2612
 Delta R.T. 0.05 min
 Lab File: BF112557.D
 Acq: 14 Feb 2019 2:17

Instrument :
 BNA_F
 ClientSampleID :
 HD-02-021119DL

Tot Ion:	276	Resp:	66486
Ion Ratio		Lower	Upper
276	100		
277	25.1	19.4	29.0
138	20.9	19.1	28.7

Manual Integrations
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