

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
 Data File : BF114206.D
 Acq On : 12 May 2019 21:16
 Operator : JU/SJ
 Sample : K2766-19 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS009-0206-01

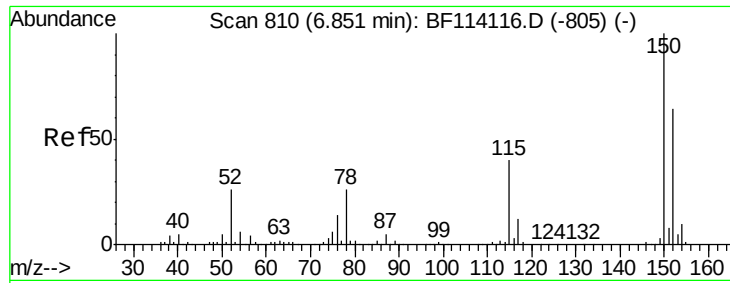
Manual Integrations
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Quant Time: May 13 09:29:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	256510	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	992113	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	449215	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	804134	20.00	ng	0.00
76) Chrysene-d12	14.01	240	549673	20.00	ng	-0.01
87) Perylene-d12	15.48	264	594002	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	137382	8.62	ng	0.00
7) Phenol-d6	6.49	99	195016	10.34	ng	0.00
23) Nitrobenzene-d5	7.41	82	112126	6.34	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	36717	7.91	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	196206	6.61	ng	0.00
79) Terphenyl-d14	12.95	244	163077	6.12	ng	0.00
Target Compounds						
49) Acenaphthylene	9.75	152	199701	4.496	ng	97
71) Phenanthrene	11.39	178	766038	19.581	ng	98
72) Anthracene	11.44	178	132813	3.380	ng	97
75) Fluoranthene	12.59	202	999916	23.734	ng	98
78) Pyrene	12.82	202	1737468	39.293	ng	99
81) Benzo(a)anthracene	14.00	228	667092m	18.764	ng	
83) Chrysene	14.04	228	720965	20.687	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	306849	9.962	ng	97
88) Benzo(b)fluoranthene	15.06	252	716041m	18.816	ng	
89) Benzo(k)fluoranthene	15.07	252	248144m	7.098	ng	
90) Benzo(a)pyrene	15.42	252	477699	14.263	ng	99
91) Dibenzo(a,h)anthracene	16.95	278	75076m	2.698	ng	
92) Benzo(a,h,i)perylene	17.39	276	344988	12.370	ng	98

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



#1

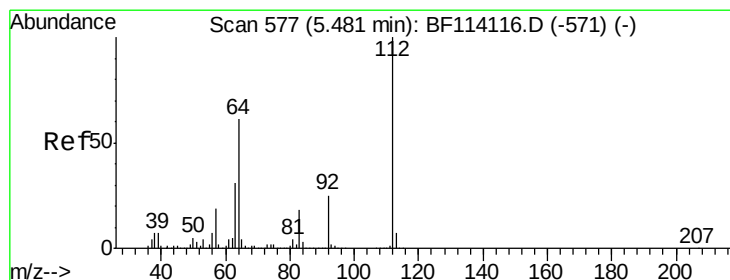
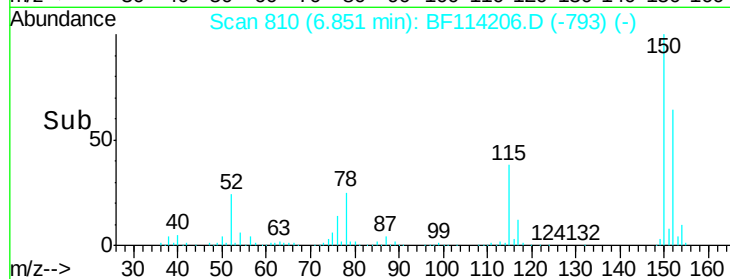
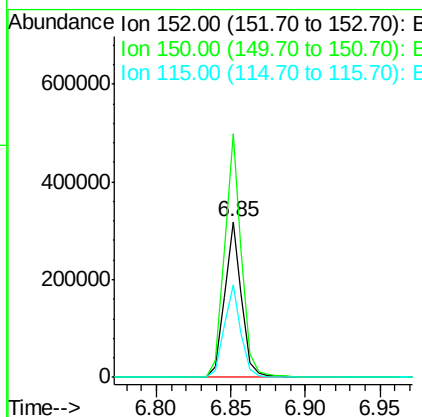
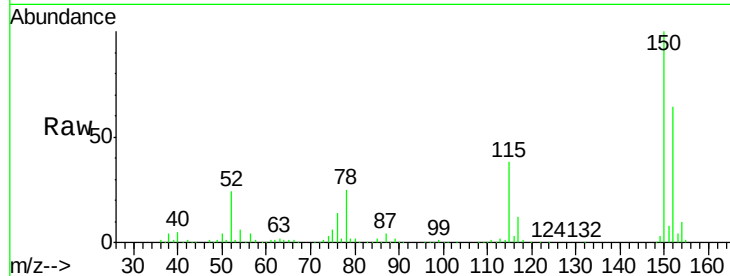
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0206-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.3	186.5
115	59.3	49.1	73.7

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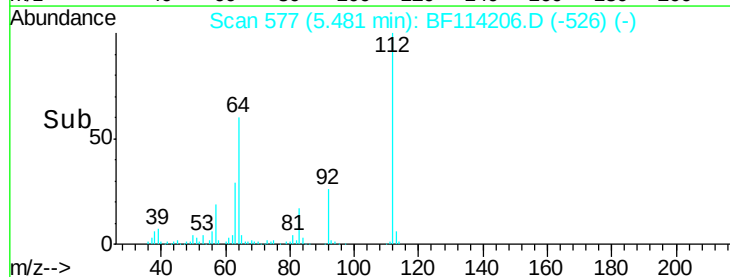
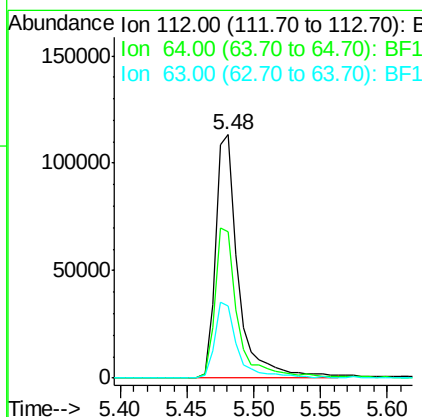
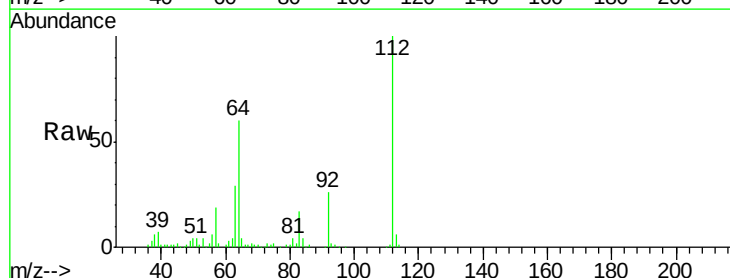
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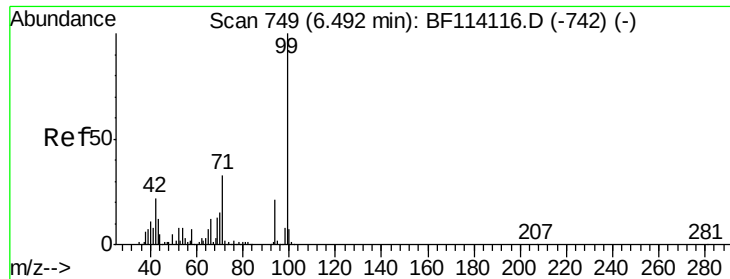


#5

2-Fluorophenol
Concen: 8.619 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	49.0	73.6
63	29.4	24.6	37.0





#7

Phenol-d6

Concen: 10.344 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

Instrument :

BNA_F

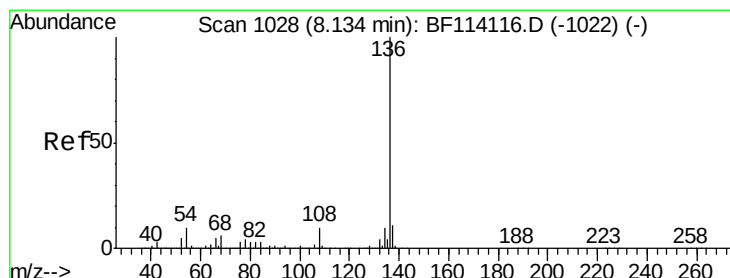
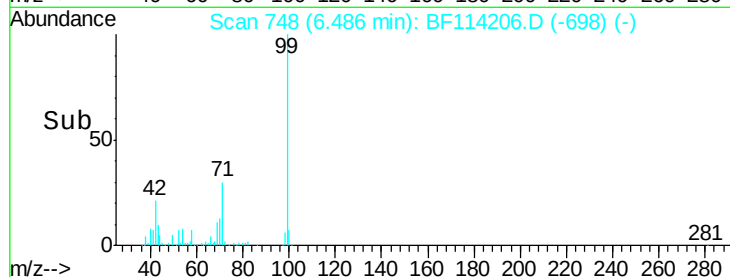
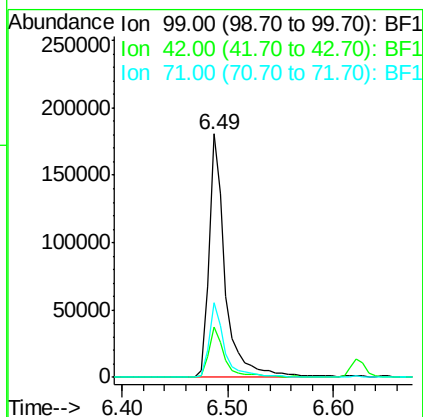
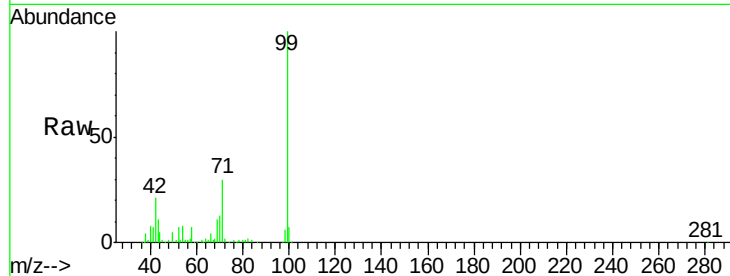
ClientSampleId :

P026-SS009-0206-01

Tot Ion:	99	Resp:	195016
Ion Ratio		Lower	Upper
99	100		
42	20.6	17.9	26.9
71	30.4	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

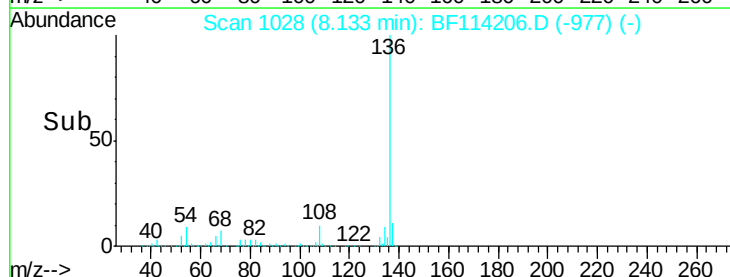
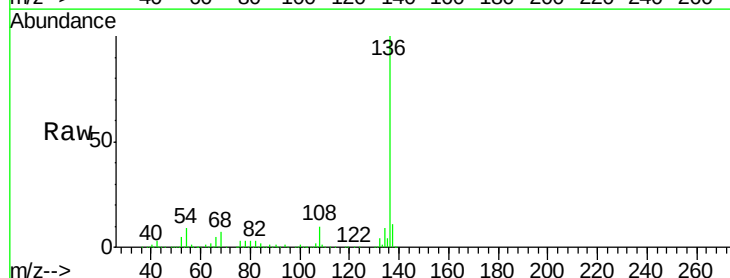
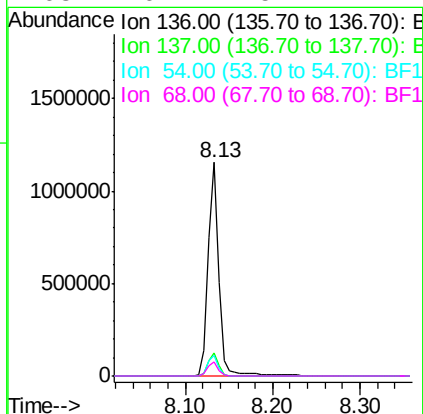
RT: 8.13 min Scan# 1028

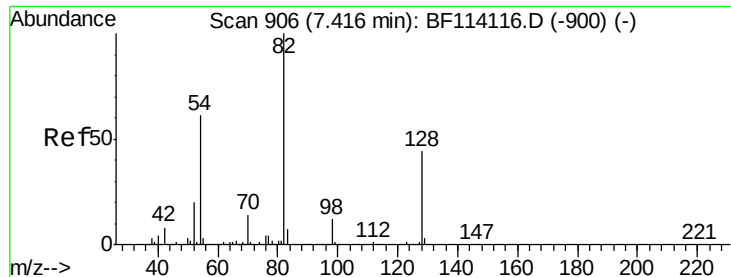
Delta R.T. -0.00 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

Tgt Ion:	136	Resp:	992113
Ion Ratio		Lower	Upper
136	100		
137	11.0	8.8	13.2
54	9.3	7.8	11.8
68	6.7	5.1	7.7





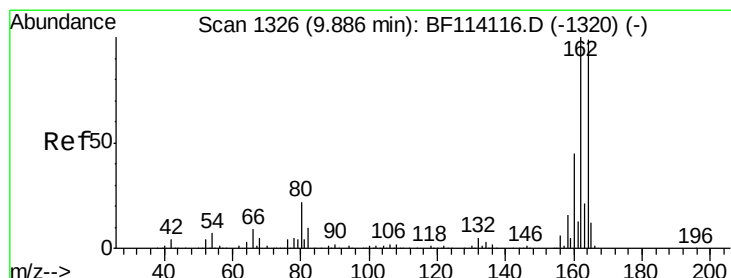
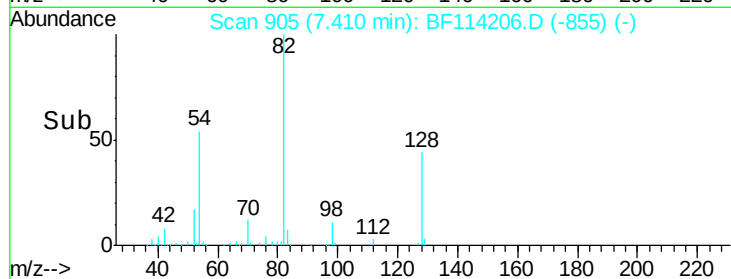
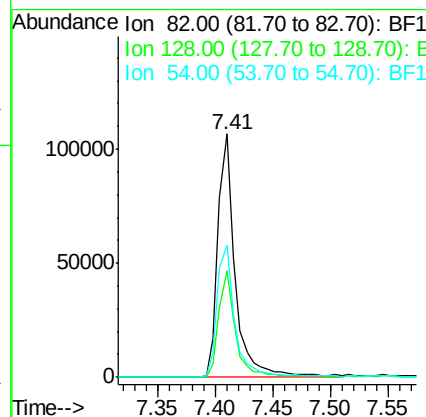
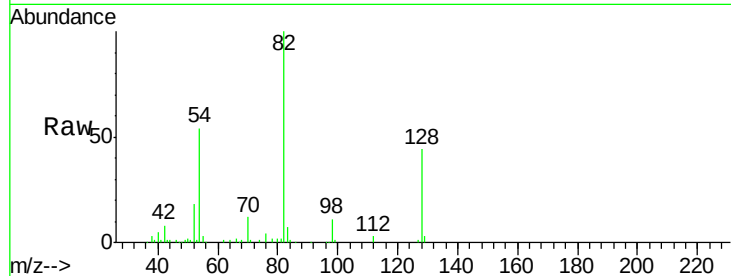
#23
Nitrobenzene-d5
Concen: 6.343 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0206-01

Tot Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	44.0	35.5	53.3
54	54.2	48.5	72.7

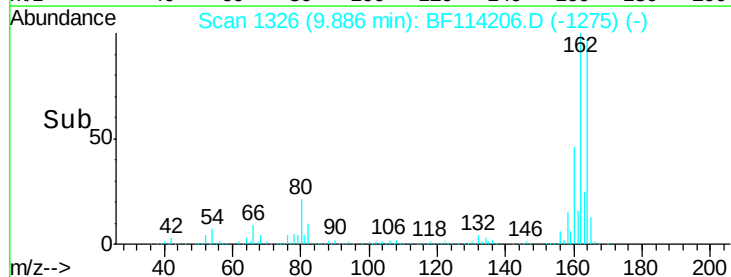
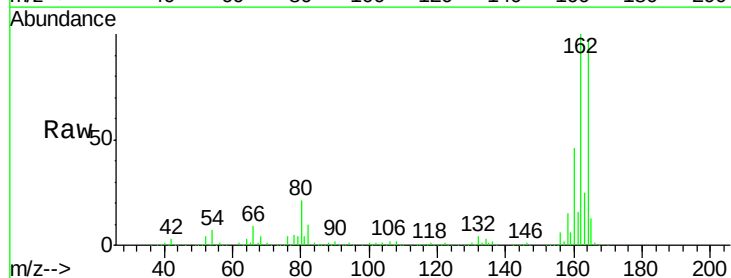
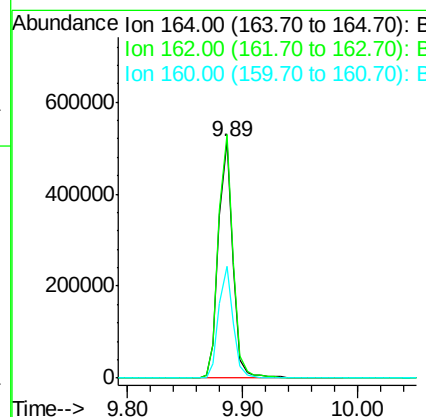
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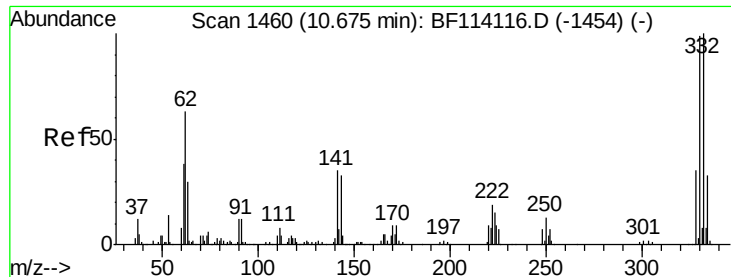
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	102.7	80.6	120.8
160	47.2	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 7.906 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

Instrument :

BNA_F

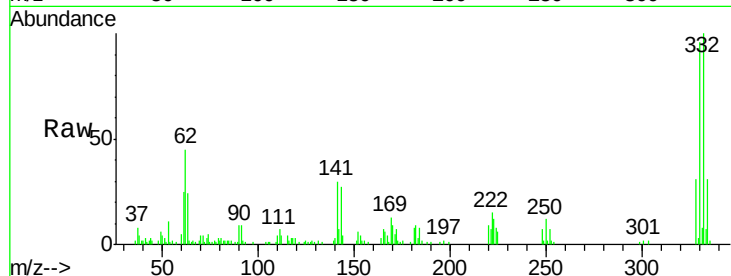
ClientSampleId :

P026-SS009-0206-01

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	105.7	81.4	122.2	
141	42.3	26.6	40.0	

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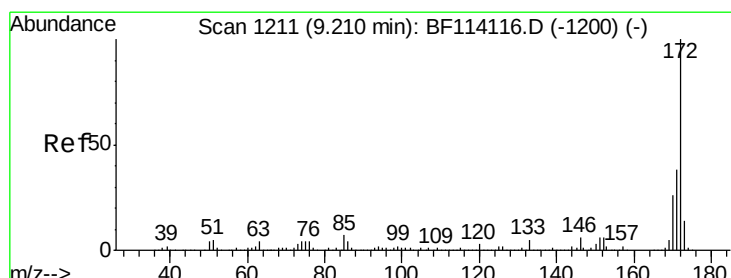
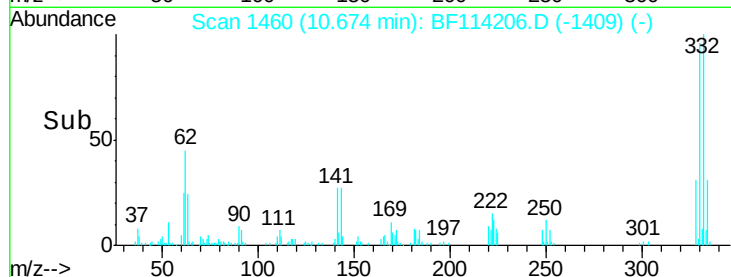
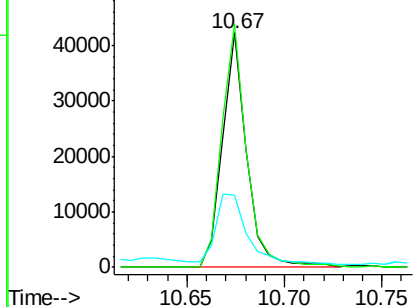


Abundance

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: 6.607 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

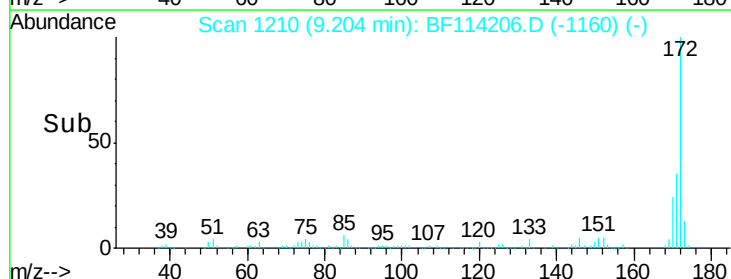
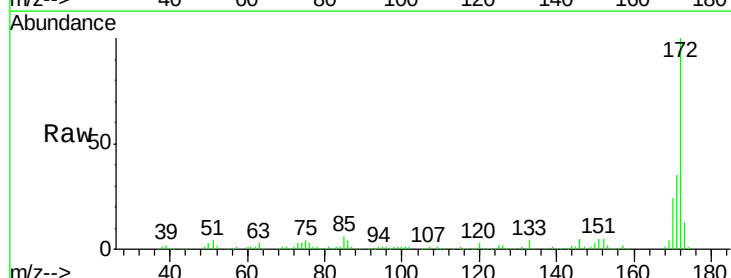
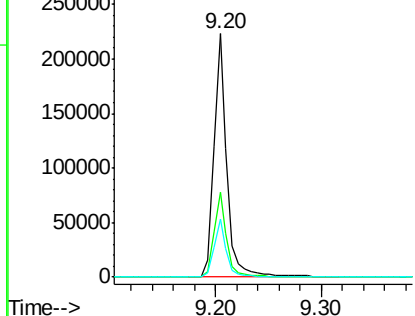
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.1	30.7	46.1	
170	23.6	20.5	30.7	

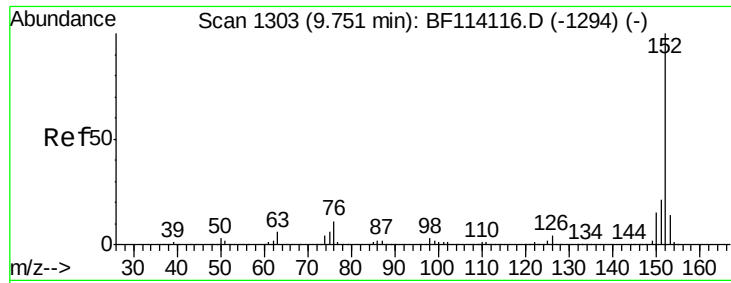
Abundance

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





#49

Acenaphthylene

Concen: 4.496 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

Instrument :

BNA_F

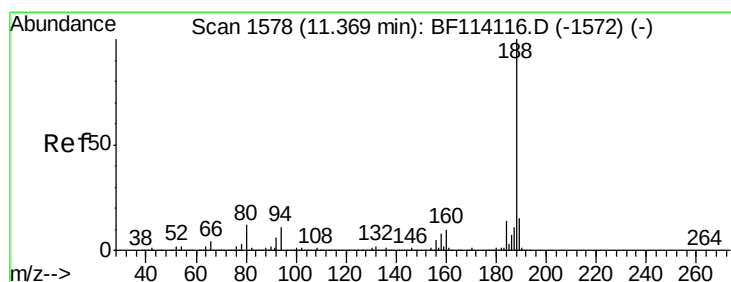
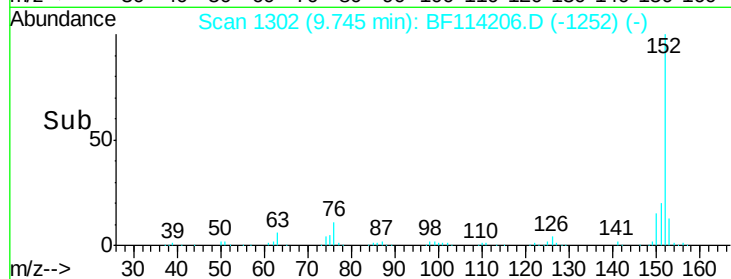
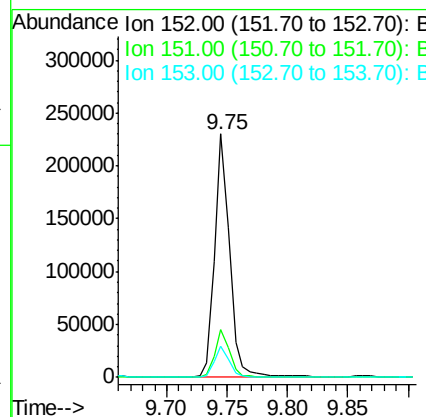
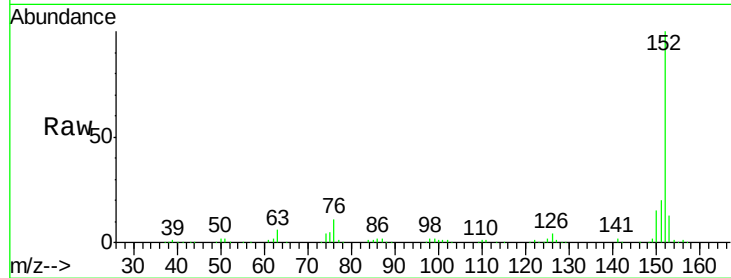
ClientSampleId :

P026-SS009-0206-01

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.8	25.2
153	12.6	11.4	17.2

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#64

Phenanthrene-d10

Concen: 20.000 ng

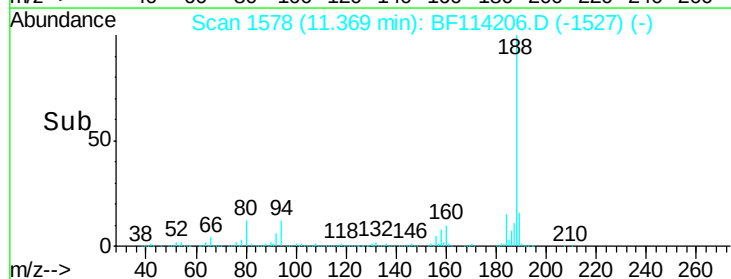
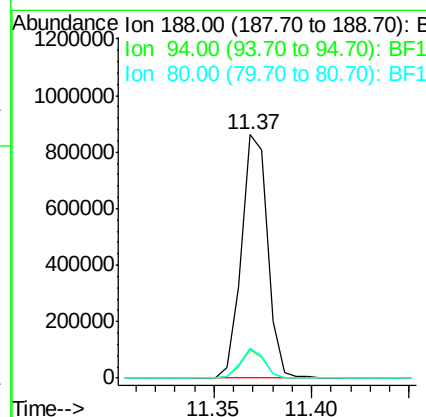
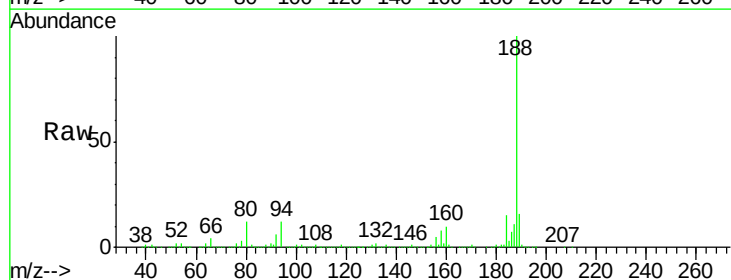
RT: 11.37 min Scan# 1578

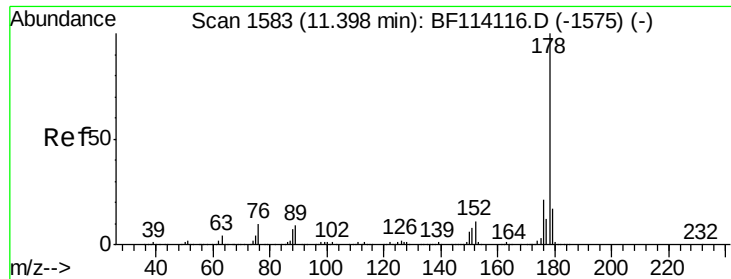
Delta R.T. -0.00 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	8.4	12.6
80	12.2	9.2	13.8





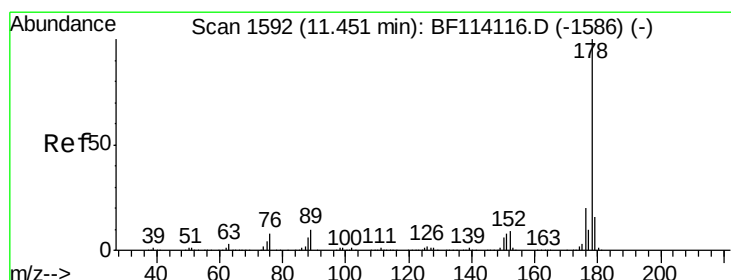
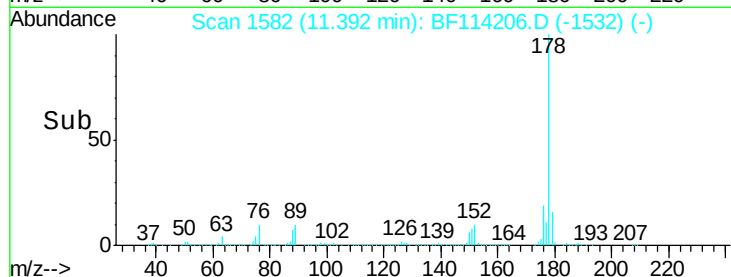
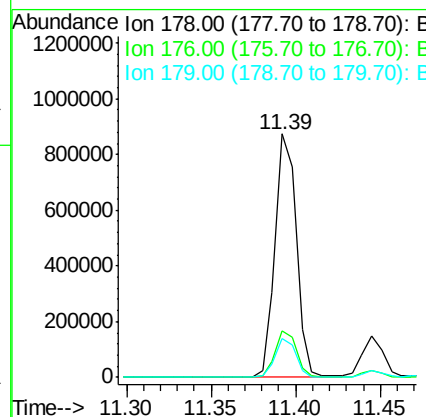
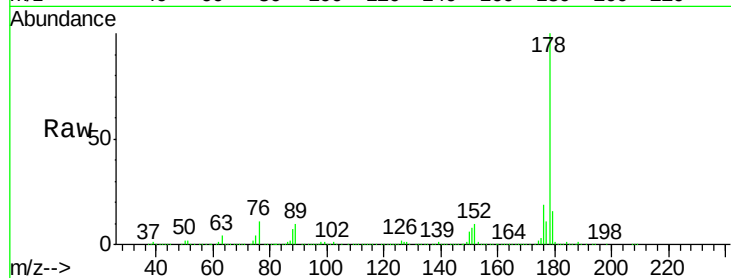
#71
Phenanthrene
Concen: 19.581 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0206-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.4	24.6
179	16.0	13.2	19.8

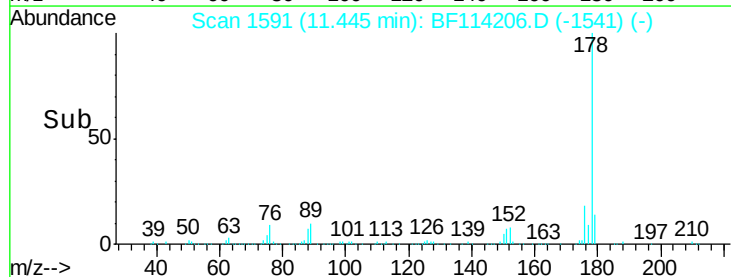
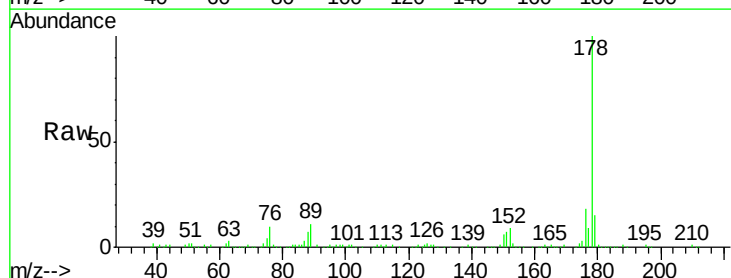
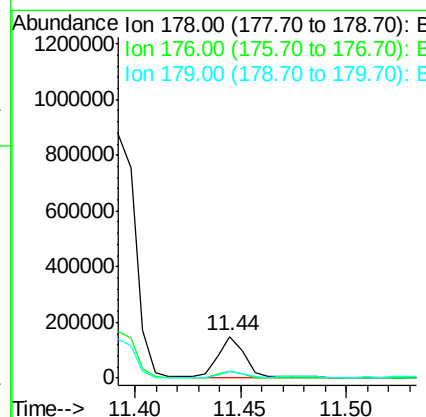
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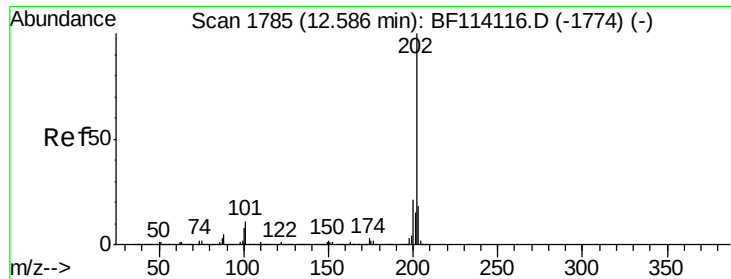
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#72
Anthracene
Concen: 3.380 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	15.3	13.0	19.4





#75

Fluoranthene

Concen: 23.734 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

Instrument :

BNA_F

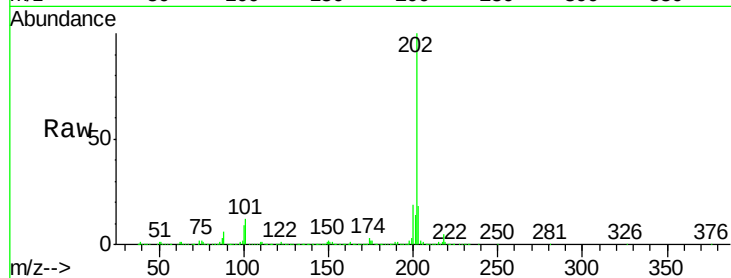
ClientSampleId :

P026-SS009-0206-01

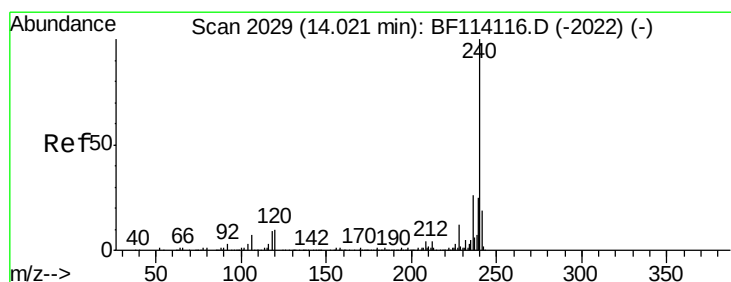
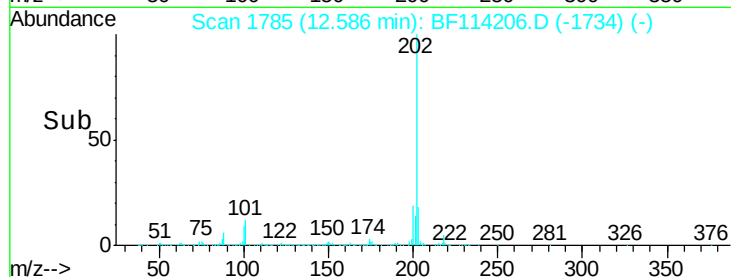
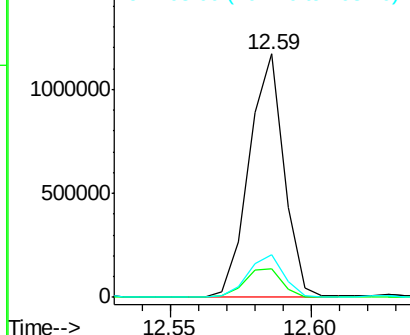
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.9	0.0	31.0
203	17.7	0.0	38.4

Manual Integrations
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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: 14.01 min Scan# 2027

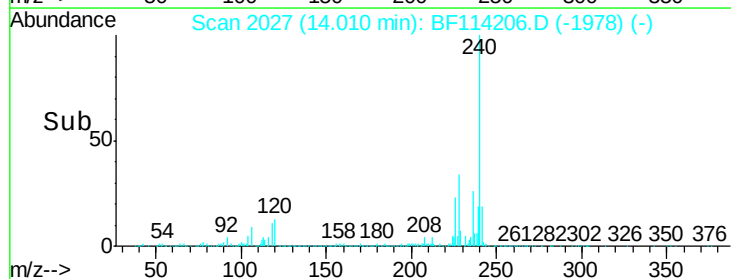
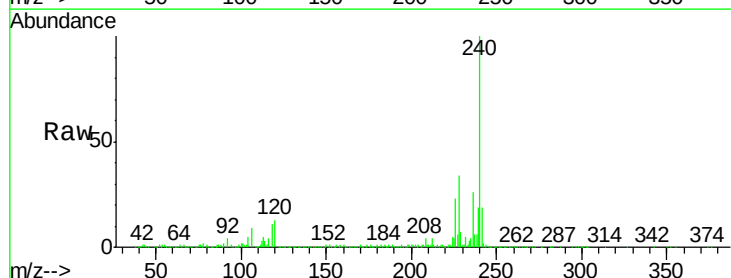
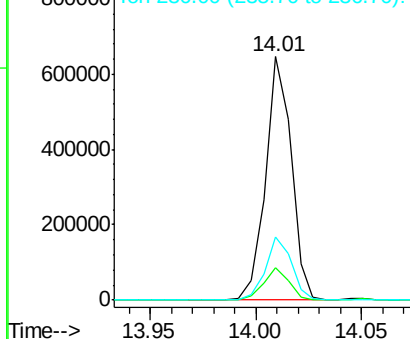
Delta R.T. -0.01 min

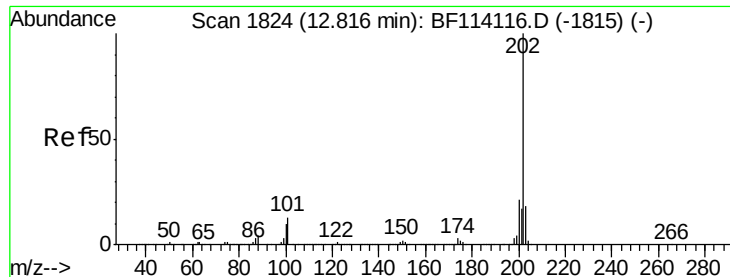
Lab File: BF114206.D

Acq: 12 May 2019 21:16

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.2	8.3	12.5#
236	25.7	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





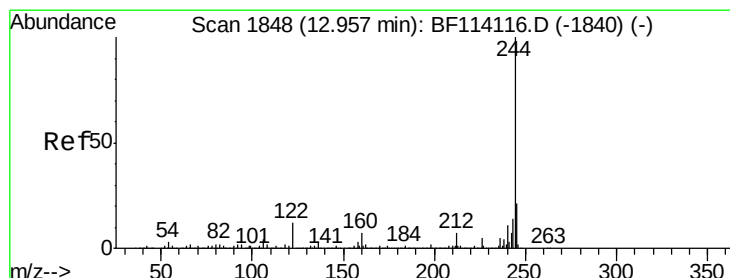
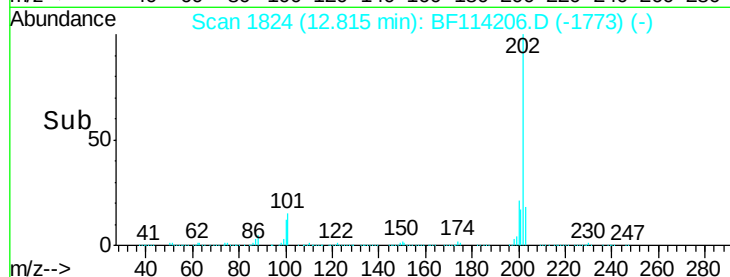
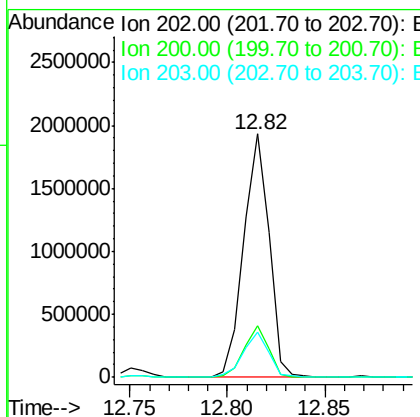
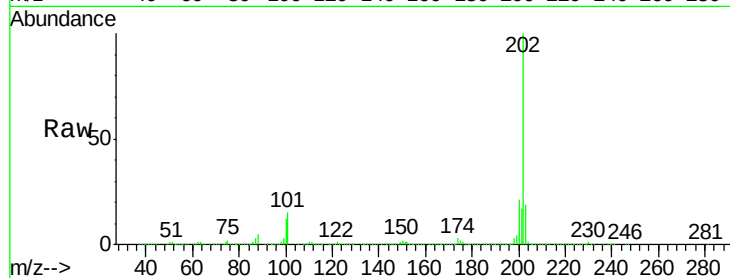
#78
Pvrene
Concen: 39.293 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0206-01

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	18.6	14.5	21.7

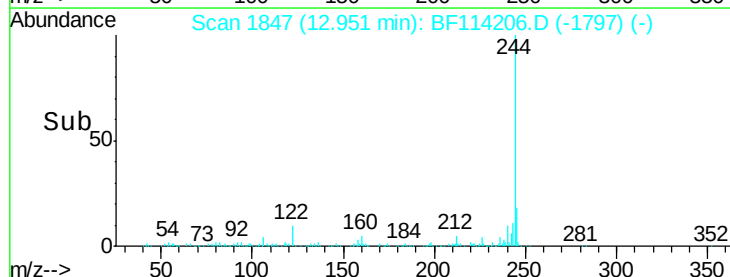
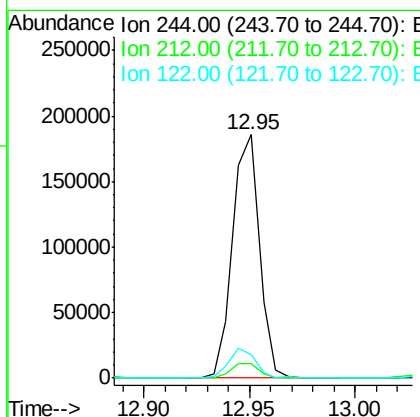
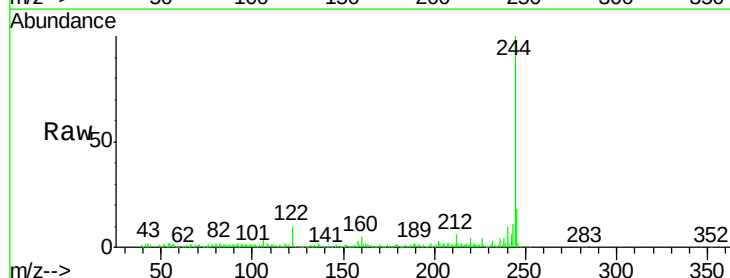
Manual Integrations
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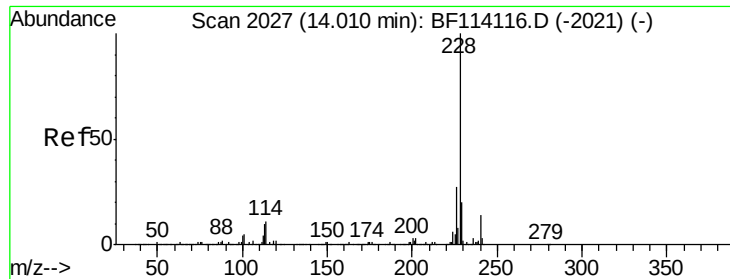
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#79
Terphenyl-d14
Concen: 6.116 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.7	5.8	8.6#
122	9.7	9.4	14.2





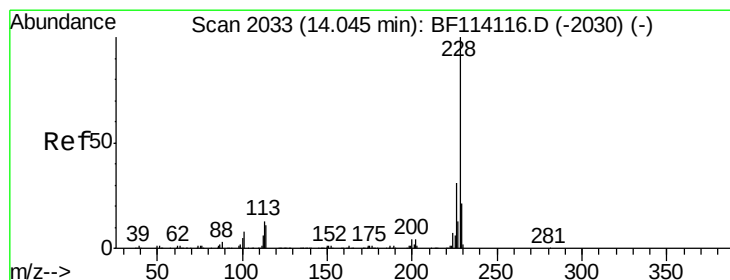
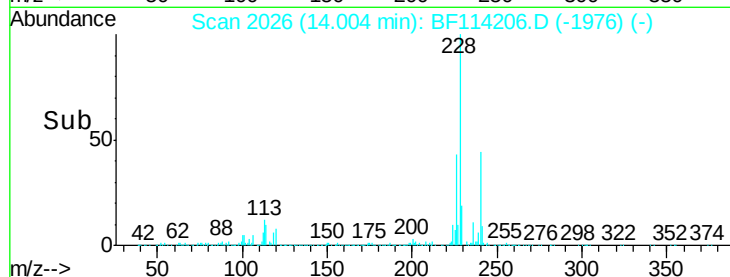
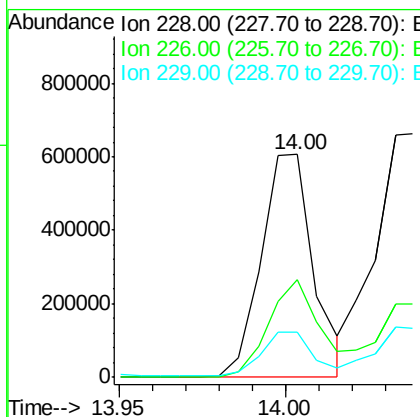
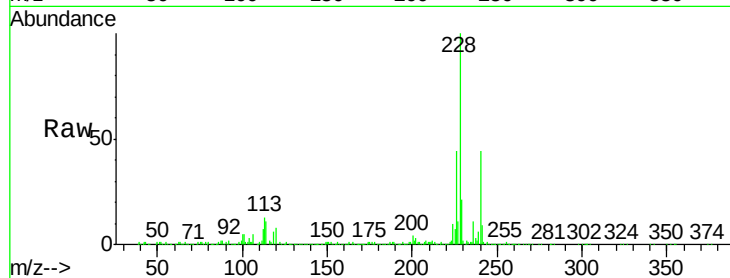
#81
Benzo(a)anthracene
Concen: 18.764 ng m
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0206-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	43.9	22.2	33.2#
229	20.5	16.4	24.6

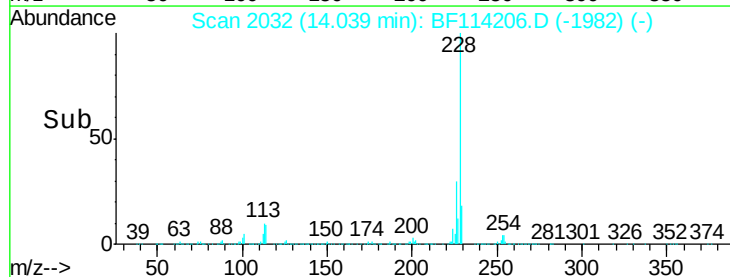
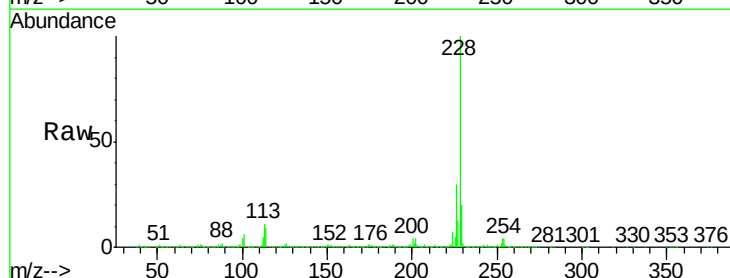
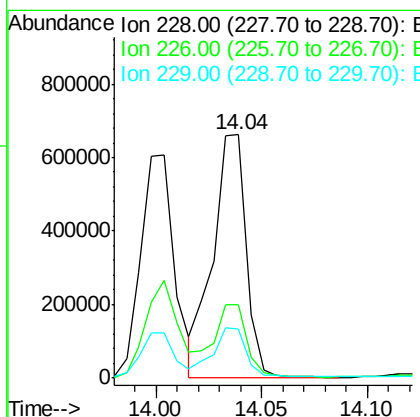
Manual Integrations
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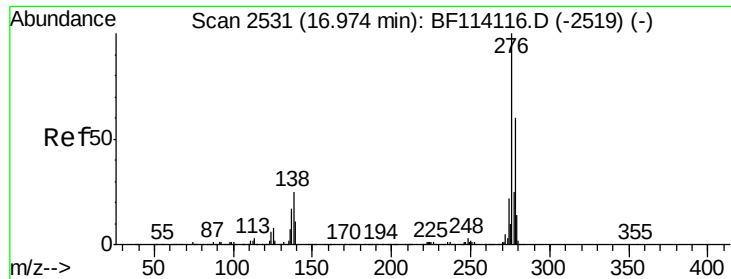
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#83
Chrysene
Concen: 20.687 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	20.0	17.0	25.6





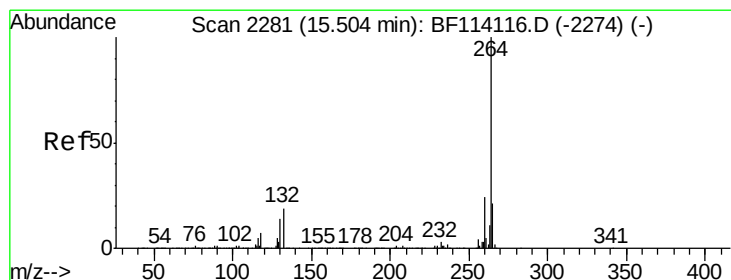
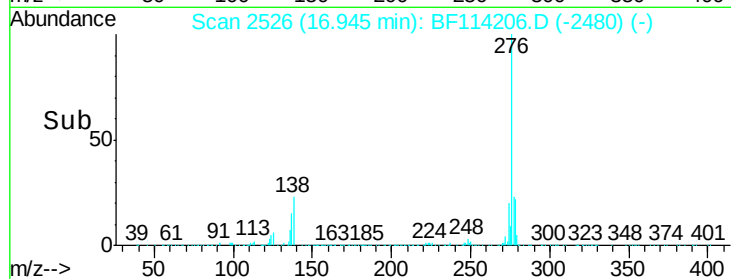
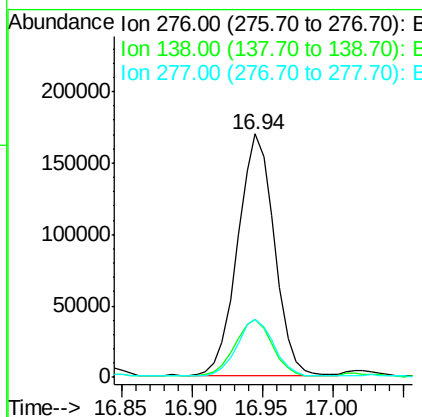
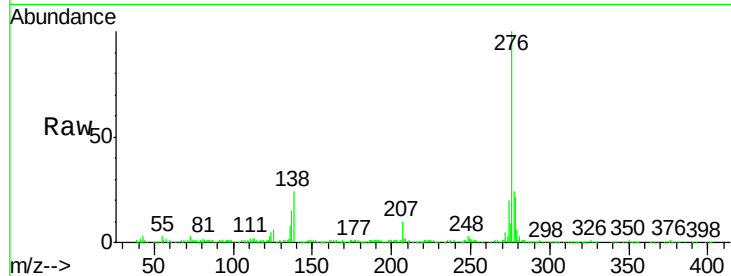
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.962 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.03 min
 Lab File: BF114206.D
 Acq: 12 May 2019 21:16

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS009-0206-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	20.2	30.2
277	23.5	20.0	30.0

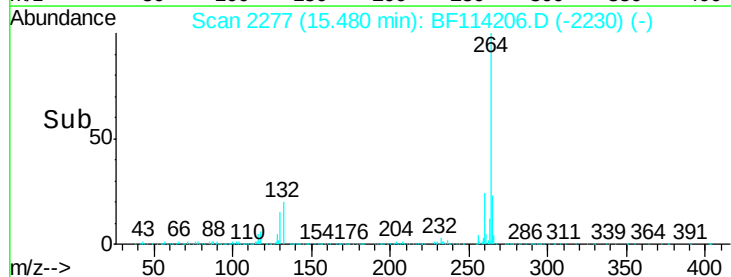
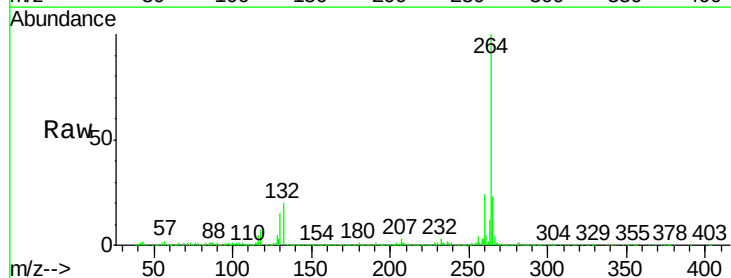
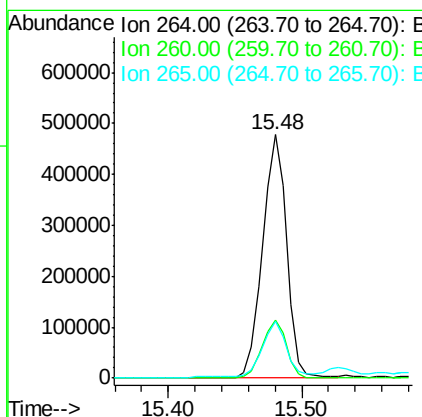
Manual Integrations
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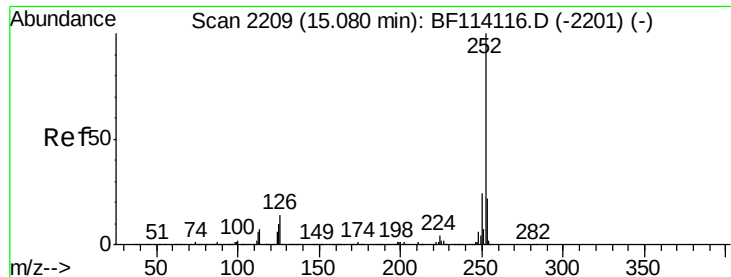
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. -0.02 min
 Lab File: BF114206.D
 Acq: 12 May 2019 21:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	23.2	16.9	25.3





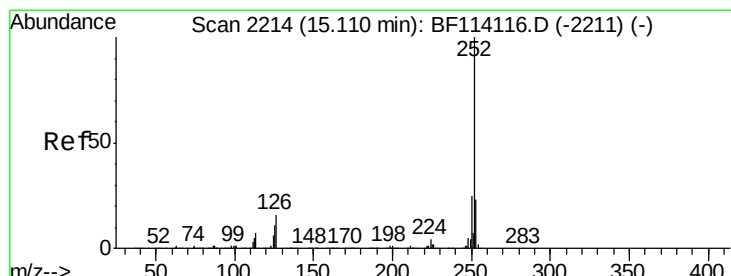
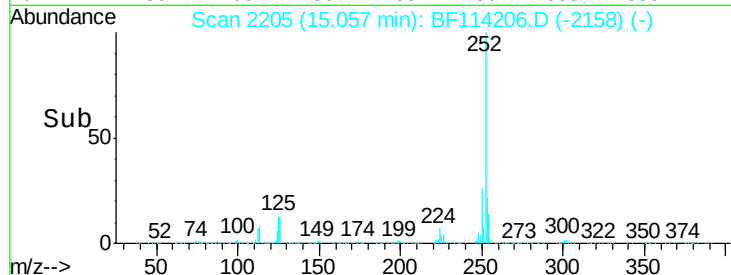
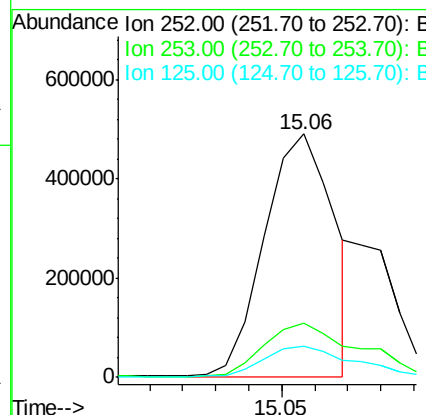
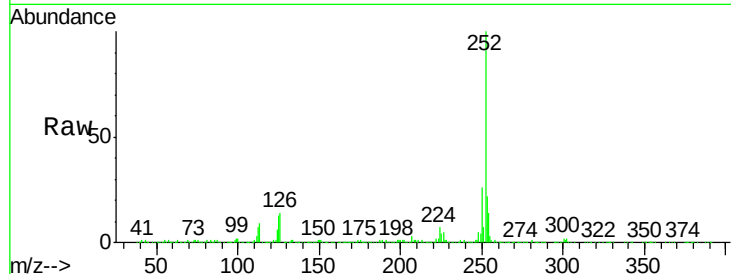
#88
Benzo(b)fluoranthene
Concen: 18.816 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0206-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	12.8	8.3	12.5

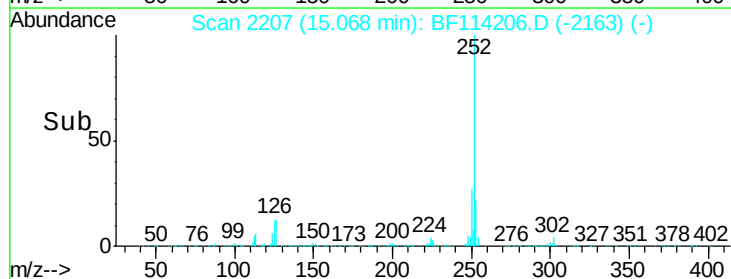
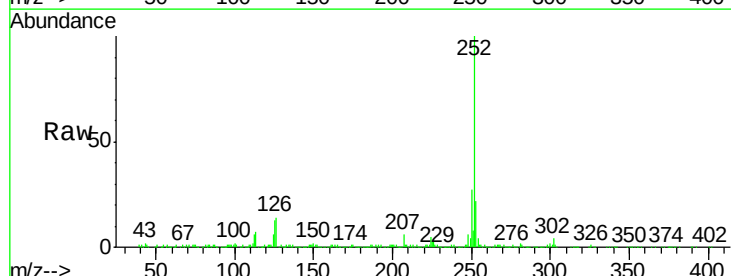
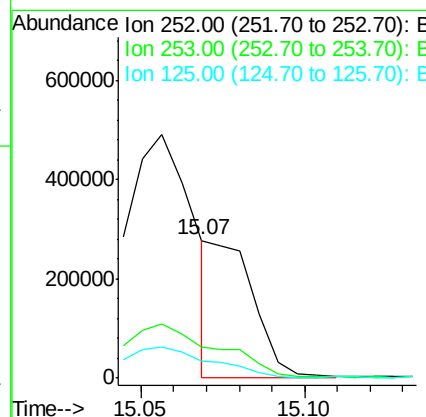
Manual Integrations
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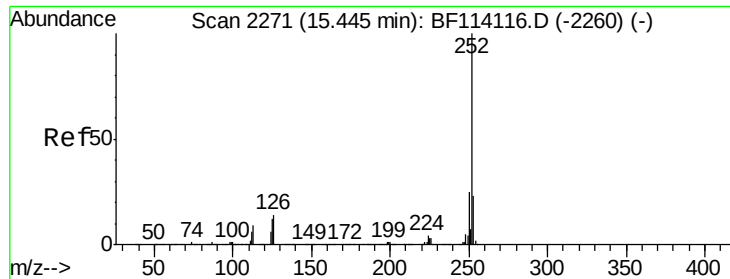
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#89
Benzo(k)fluoranthene
Concen: 7.098 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	12.5	8.6	13.0





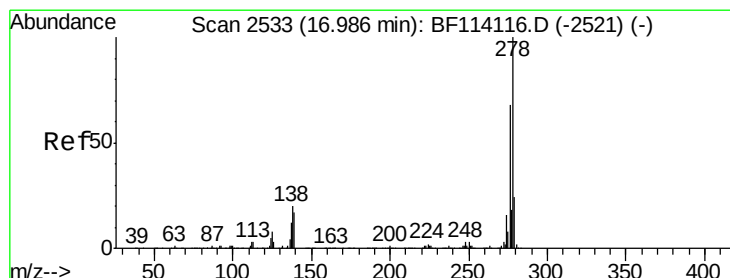
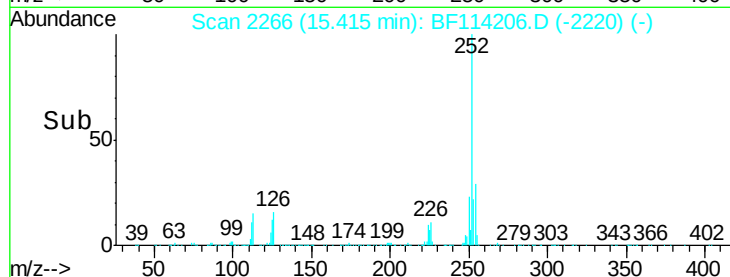
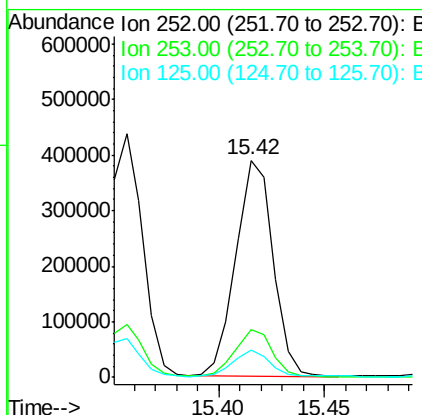
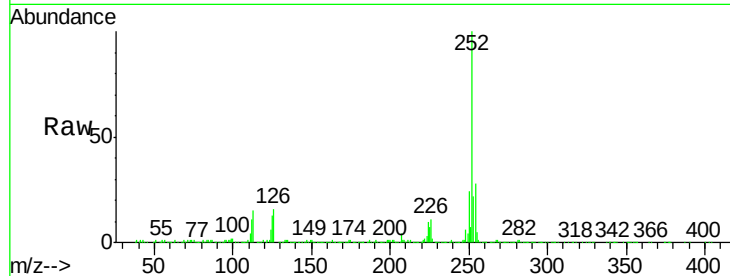
#90
Benzo(a)pyrene
Concen: 14.263 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.03 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0206-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	12.6	9.5	14.3

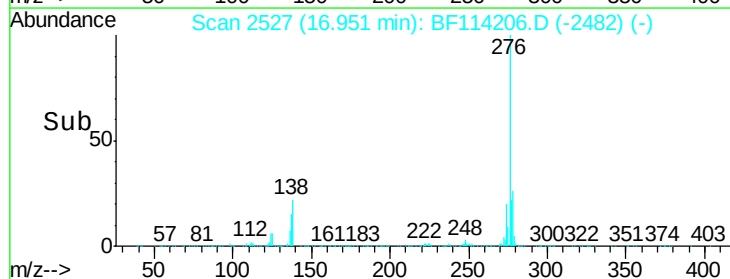
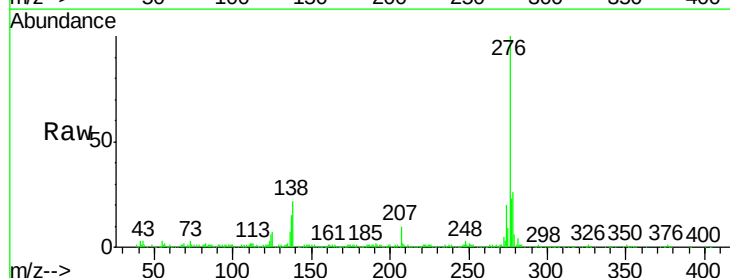
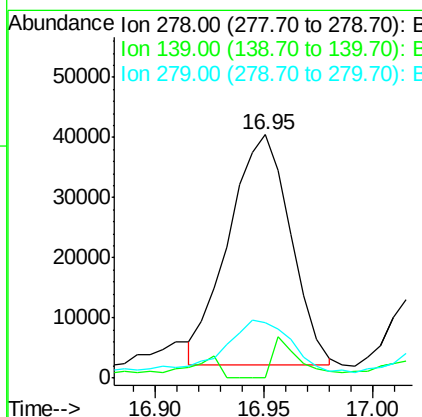
Manual Integrations
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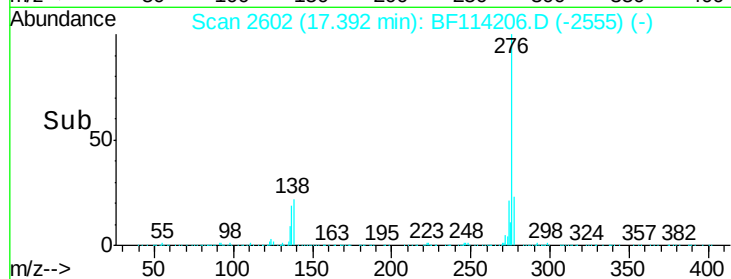
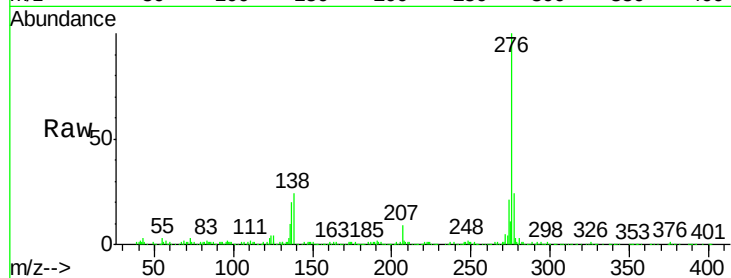
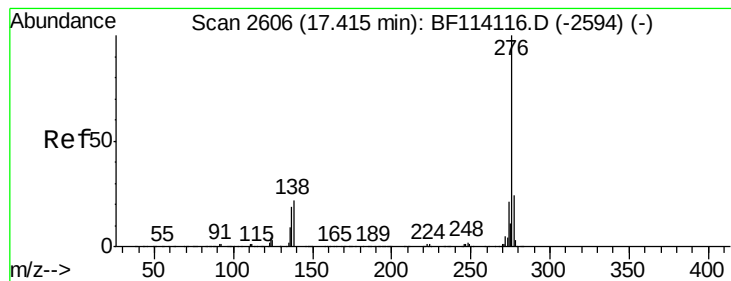
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#91
Dibenzo(a,h)anthracene
Concen: 2.698 ng m
RT: 16.95 min Scan# 2527
Delta R.T. -0.04 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	22.7	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 12.370 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.02 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

Instrument :

BNA_F

ClientSampleId :

P026-SS009-0206-01

Tot Ion:	276	Resp:	344988
Ion Ratio	Lower	Upper	
276	100		
277	23.6	19.0	28.4
138	23.7	17.8	26.6

Manual Integrations
APPROVED

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