

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
 Data File : BF114264.D
 Acq On : 14 May 2019 20:11
 Operator : JU/SJ
 Sample : K2767-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-01

Manual Integrations
 APPROVED

mohammad
 5/16/2019 9:10:13 AM

Quant Time: May 15 03:26:54 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	6.86	152	229405	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	867676	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	381306	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	667218	20.00	ng	0.01
76) Chrysene-d12	14.03	240	505945	20.00	ng	0.00
87) Perylene-d12	15.52	264	583611	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	654277	45.90	ng	0.01
7) Phenol-d6	6.50	99	864219	51.26	ng	0.01
23) Nitrobenzene-d5	7.41	82	529328	34.24	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	146369	37.13	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	743840	29.51	ng	0.00
79) Terphenyl-d14	12.96	244	579252	23.60	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	302484	7.463	ng	97
37) 2-Methylnaphthalene	8.85	142	127045	4.858	ng	95
38) 1-Methylnaphthalene	8.95	142	82429	3.347	ng	97
49) Acenaphthylene	9.75	152	544805	14.449	ng	98
50) Dimethylphthalate	9.60	163	148767	5.315	ng	100
58) Fluorene	10.44	166	60703	2.316	ng	# 93
71) Phenanthrene	11.40	178	1466371	45.173	ng	99
72) Anthracene	11.45	178	241433	7.405	ng	98
75) Fluoranthene	12.60	202	2043663	58.463	ng	97
78) Pyrene	12.83	202	3555946	87.368	ng	97
81) Benzo(a)anthracene	14.02	228	1577077m	48.193	ng	
83) Chrysene	14.06	228	1701511	53.041	ng	99
86) Indeno(1,2,3-cd)pyrene	17.00	276	767234	27.062	ng	97
88) Benzo(b)fluoranthene	15.09	252	2016416m	53.930	ng	
89) Benzo(k)fluoranthene	15.11	252	432931m	12.605	ng	
90) Benzo(a)pyrene	15.46	252	1439773	43.754	ng	99
91) Dibenzo(a,h)anthracene	17.00	278	216299m	7.911	ng	
92) Benzo(g,h,i)perylene	17.46	276	864407	31.545	ng	100

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

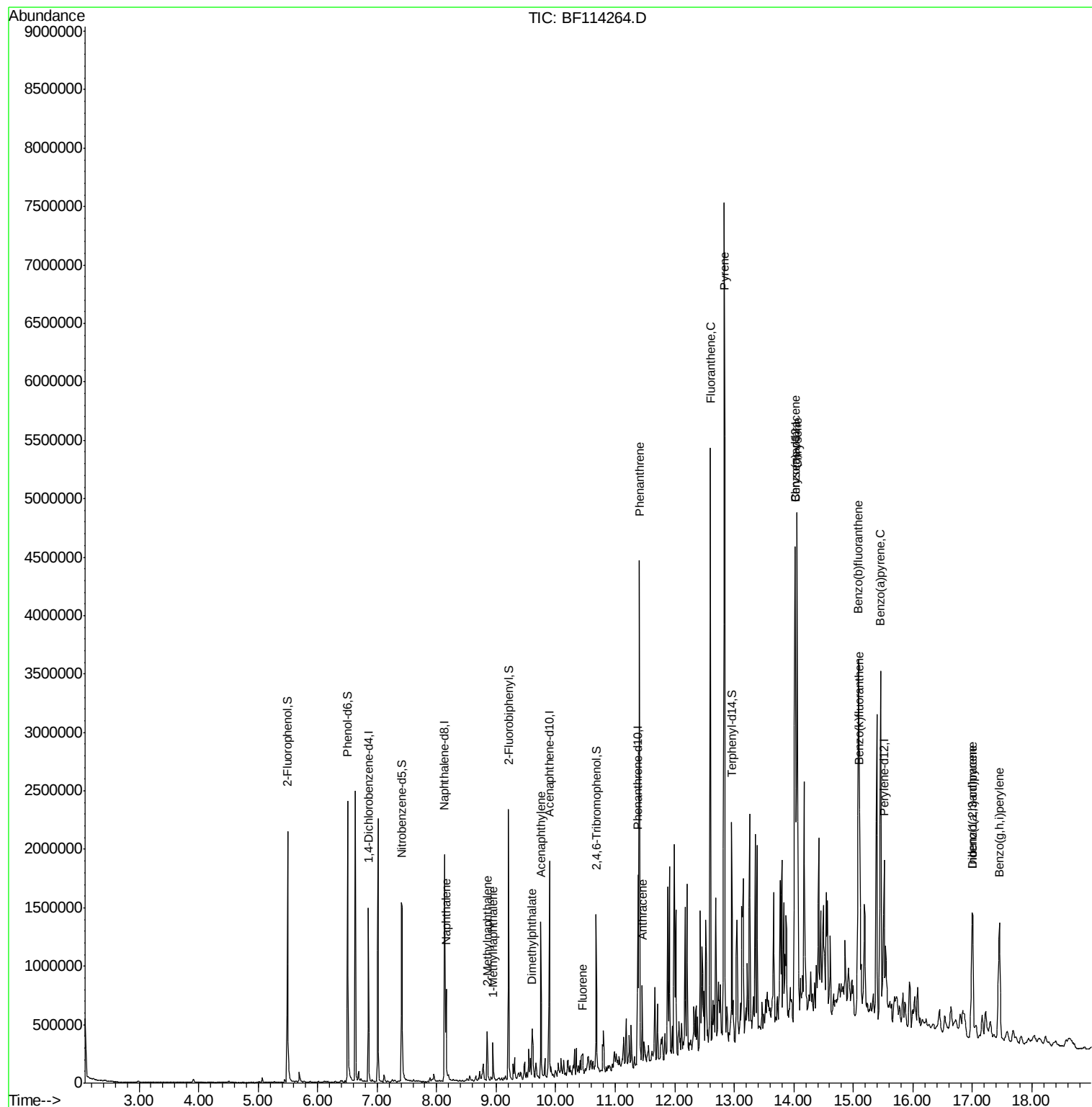
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
Data File : BF114264.D
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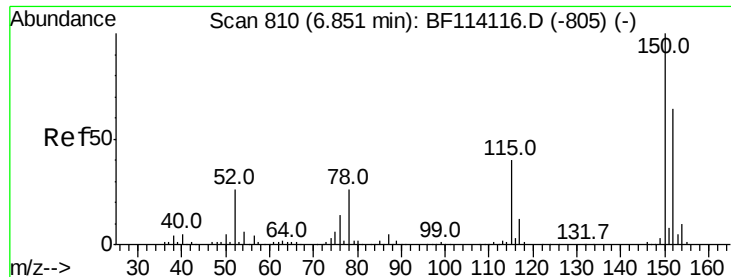
Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01

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Quant Time: May 15 03:26:54 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





#1

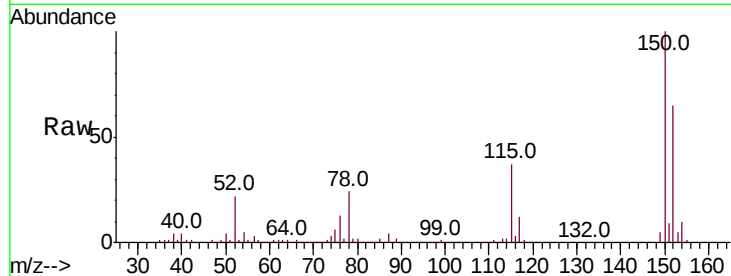
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.3	186.5
115	56.0	49.1	73.7

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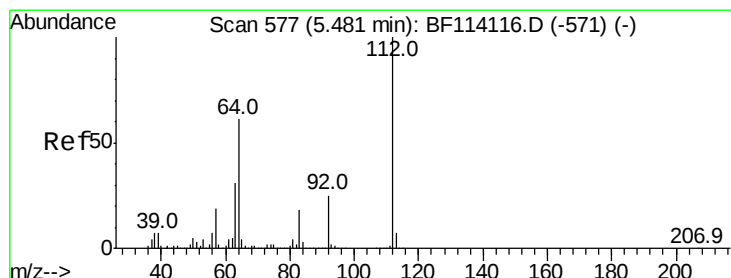
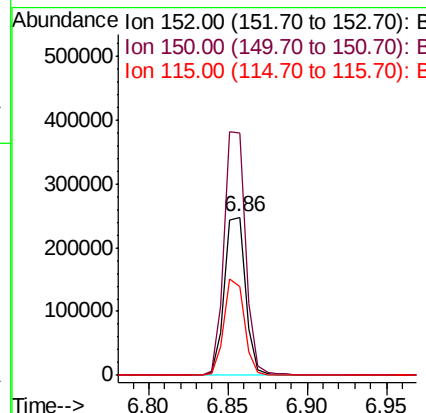
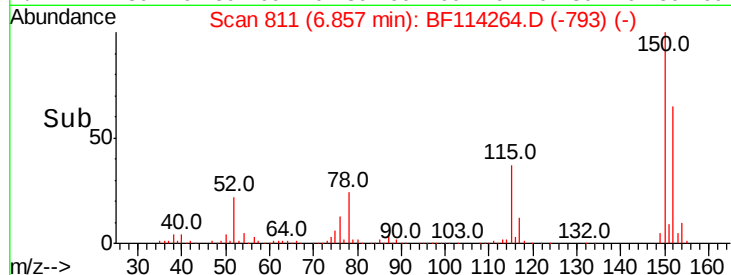


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

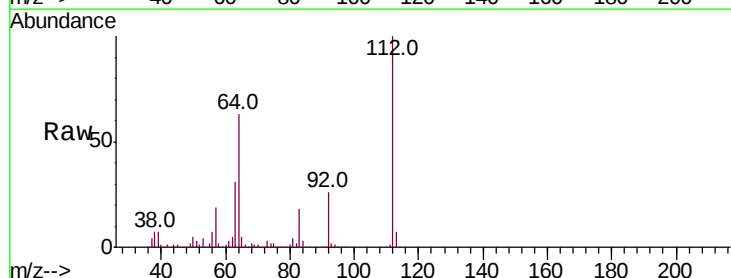
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.897 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	49.0	73.6
63	30.8	24.6	37.0

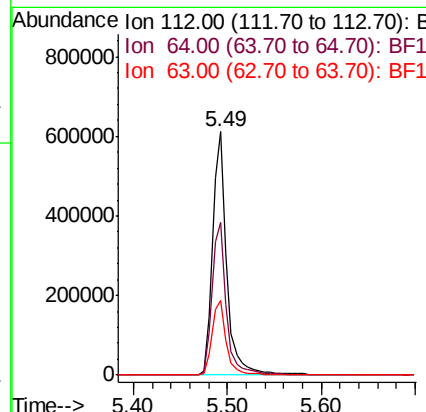
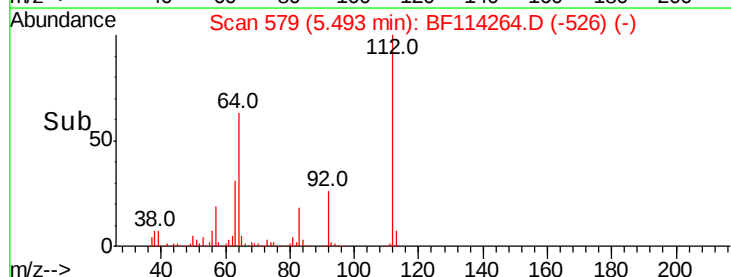


Abundance

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: 51.258 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF114264.D

Acq: 14 May 2019 20:11

Instrument :

BNA_F

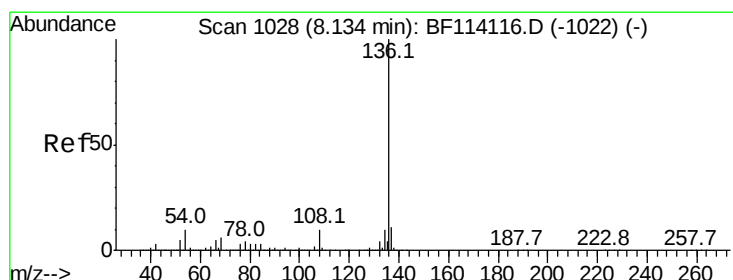
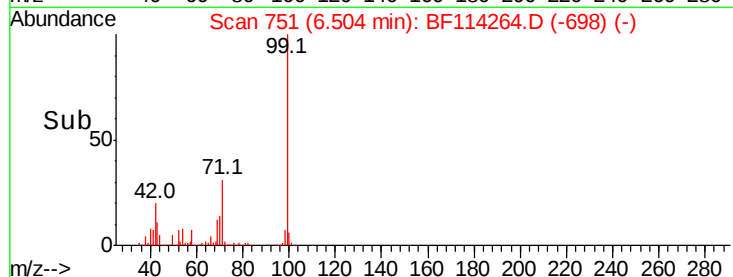
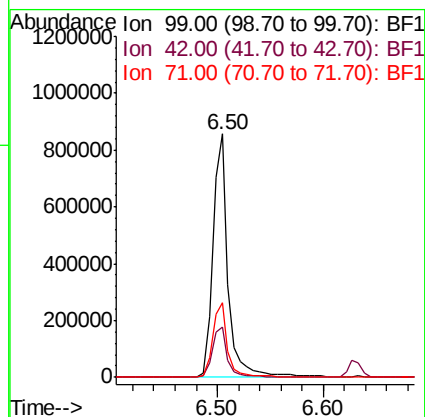
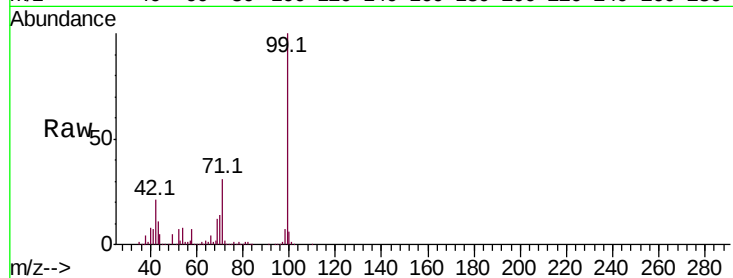
ClientSampleId :

P026-SS012-0002-01

Tot Ion	99	Resp	864219
Ion Ratio	Lower	Upper	
99	100		
42	20.5	17.9	26.9
71	30.7	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

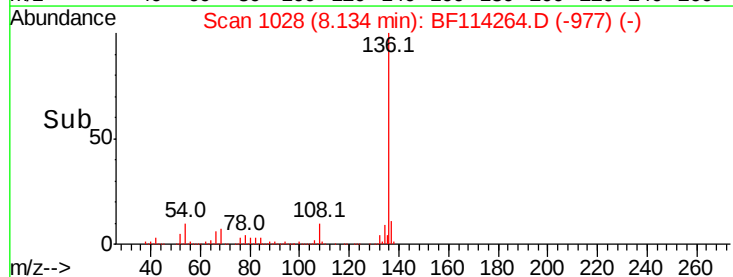
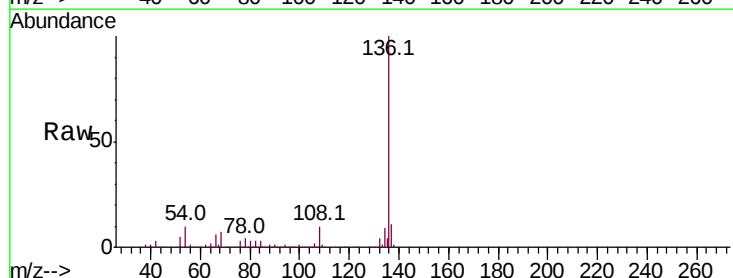
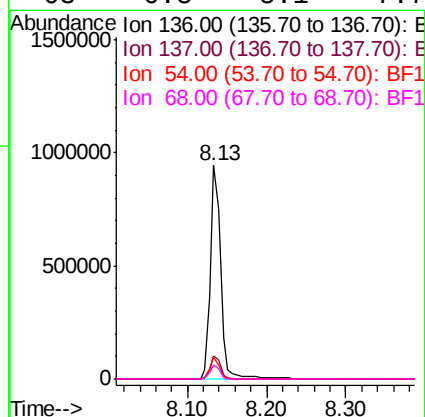
RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF114264.D

Acq: 14 May 2019 20:11

Tgt Ion	136	Resp	867676
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	10.3	7.8	11.8
68	6.8	5.1	7.7





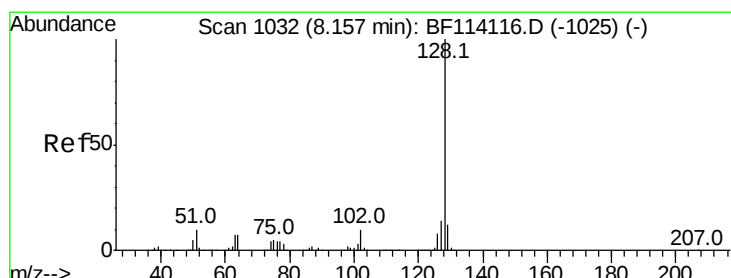
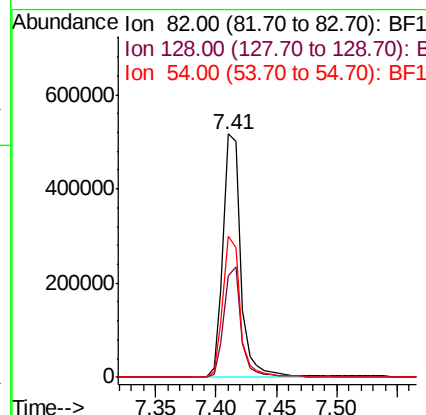
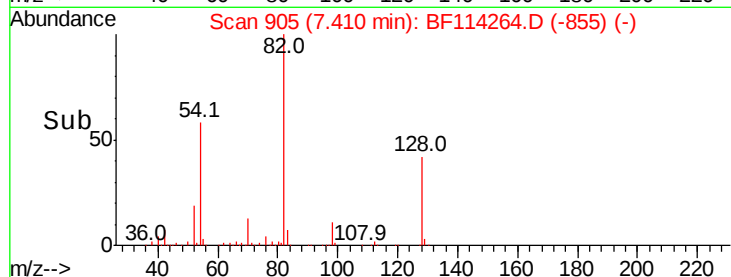
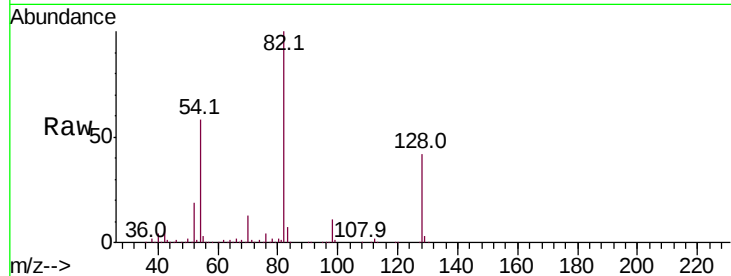
#23
Nitrobenzene-d5
Concen: 34.236 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.9	35.5	53.3
54	57.9	48.5	72.7

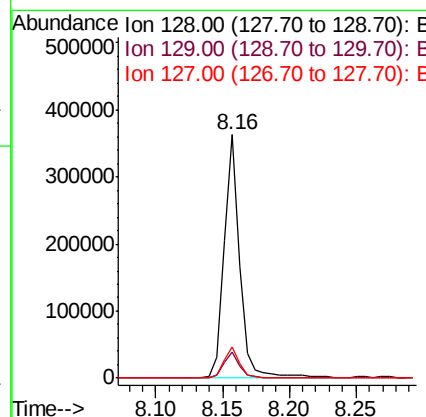
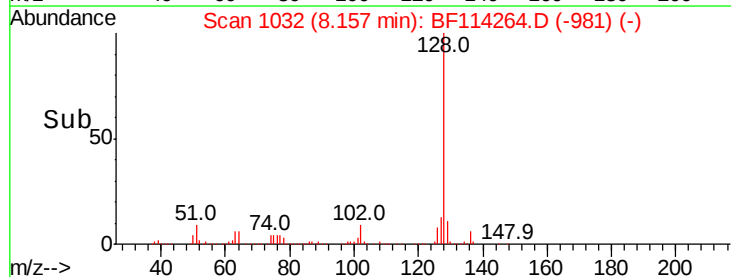
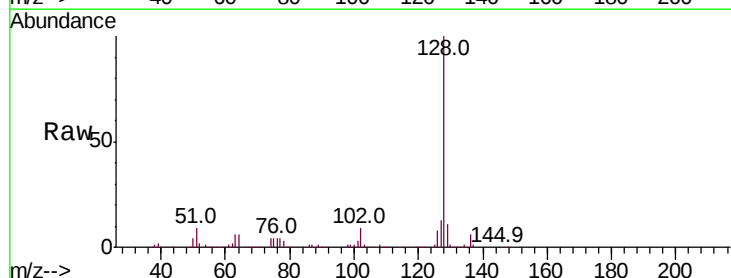
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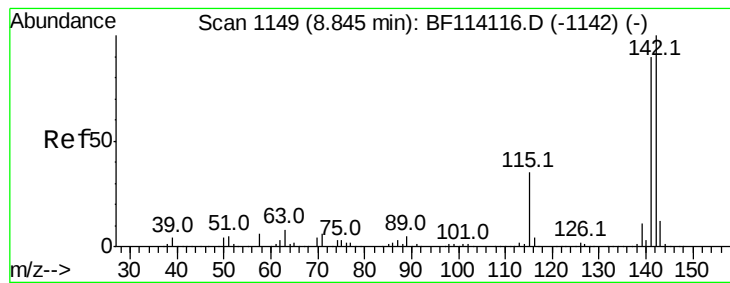
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#31
Naphthalene
Concen: 7.463 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.6	14.4
127	12.9	11.3	16.9





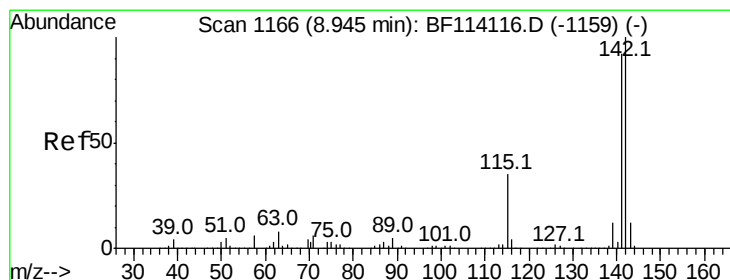
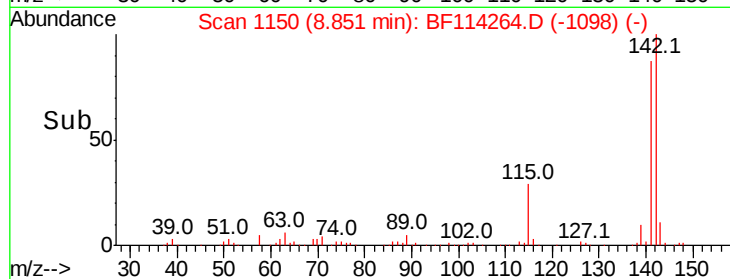
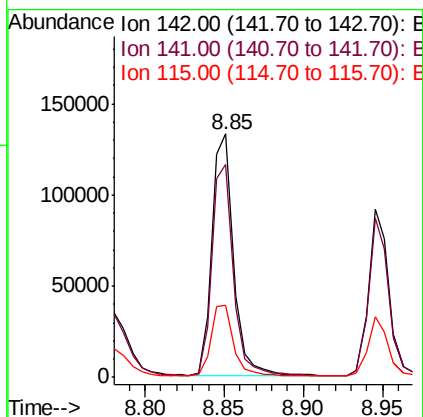
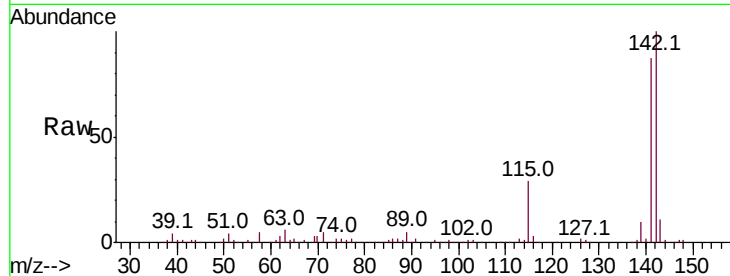
#37
2-Methylnaphthalene
Concen: 4.858 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	72.1	108.1
115	29.5	28.0	42.0

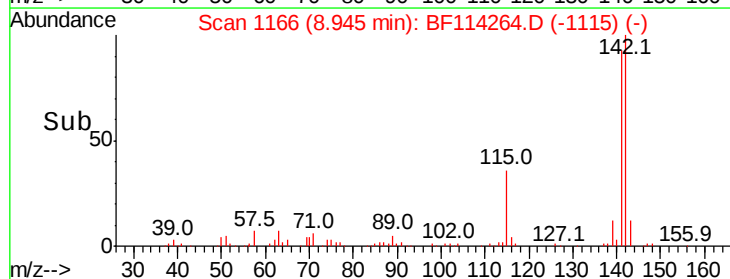
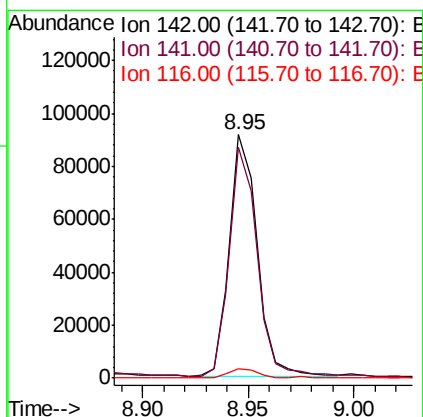
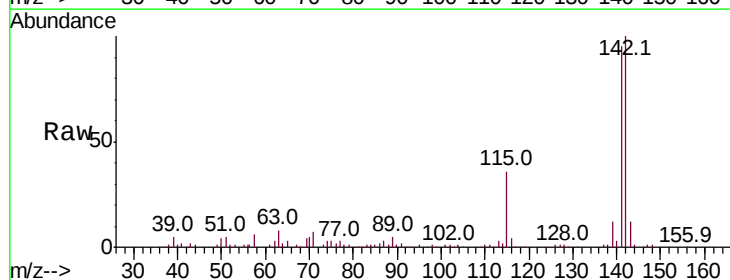
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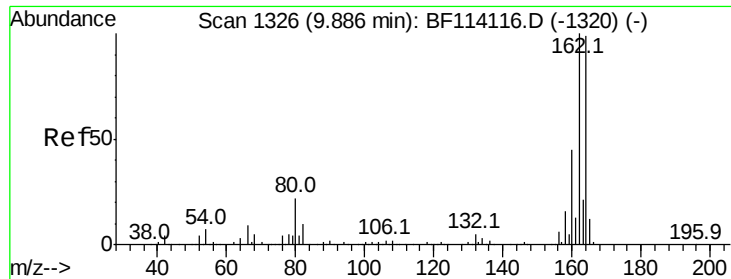
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#38
1-Methylnaphthalene
Concen: 3.347 ng
RT: 8.95 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.9	73.4	110.0
116	3.8	3.1	4.7





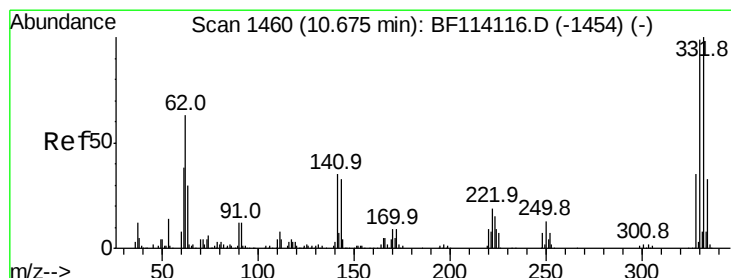
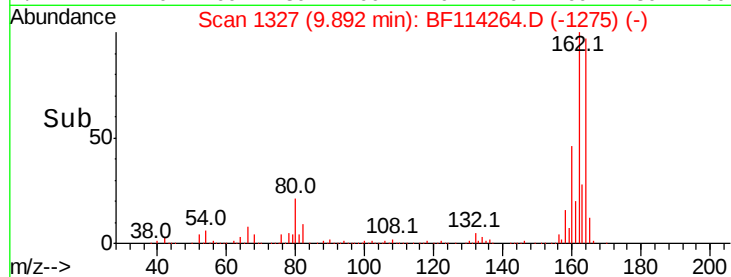
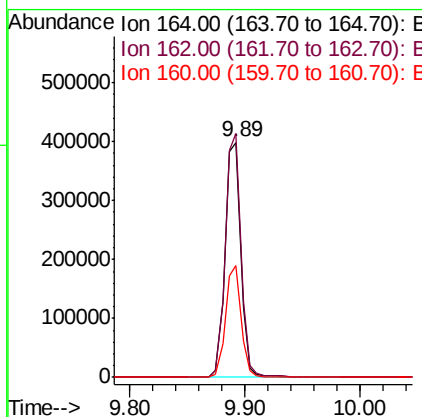
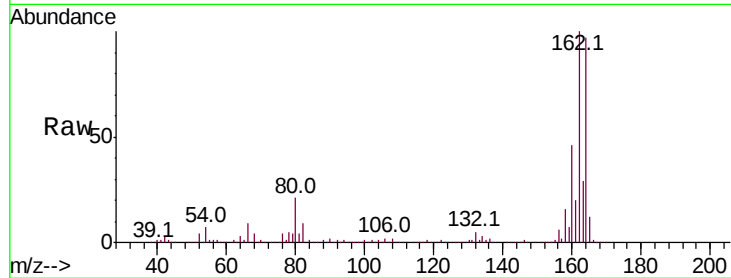
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.6	80.6	120.8	
160	47.7	36.5	54.7	

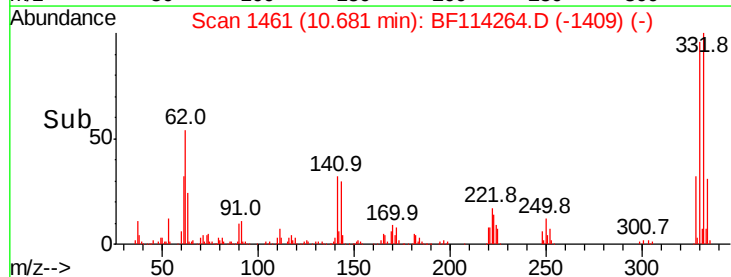
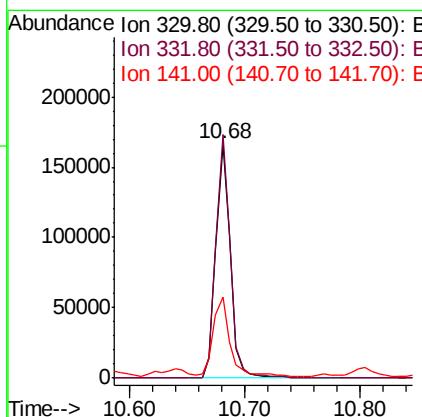
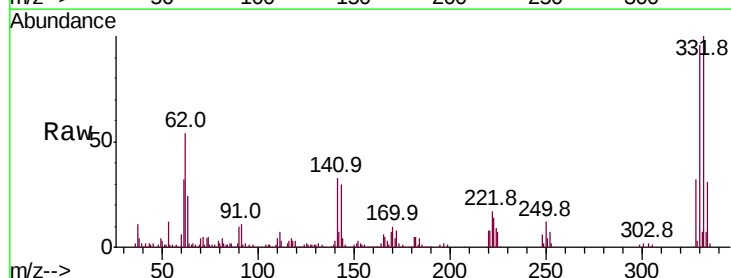
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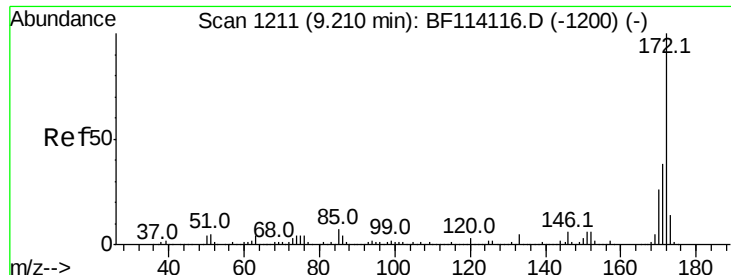
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#42
2,4,6-Tribromophenol
Concen: 37.130 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.7	81.4	122.2	
141	34.5	26.6	40.0	





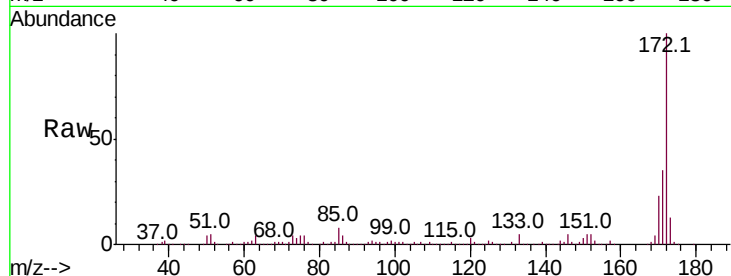
#45
2-Fluorobiphenyl
Concen: 29.509 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	30.7	46.1
170	23.4	20.5	30.7

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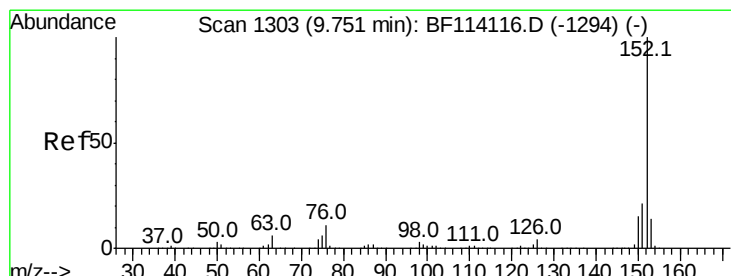
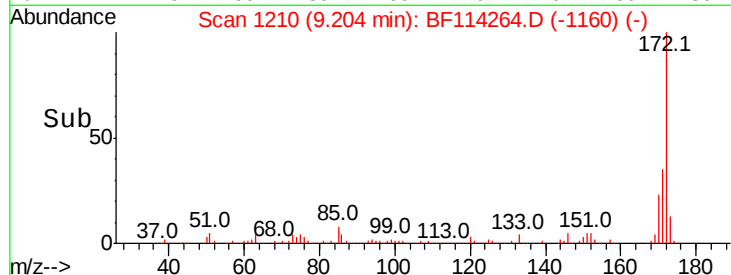
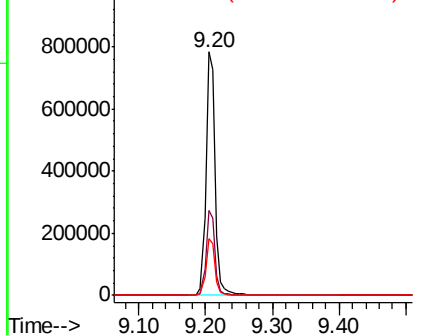


Abundance

Ion 172.00 (171.70 to 172.70): E

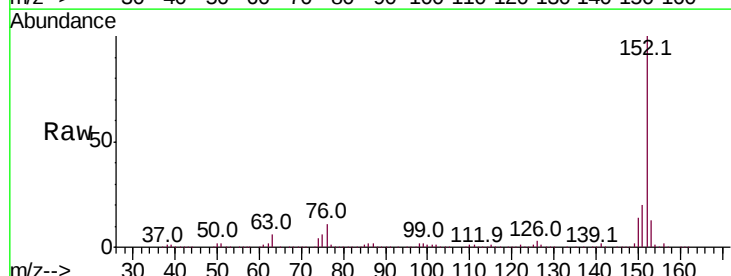
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Acenaphthylene
Concen: 14.449 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.8	25.2
153	13.4	11.4	17.2

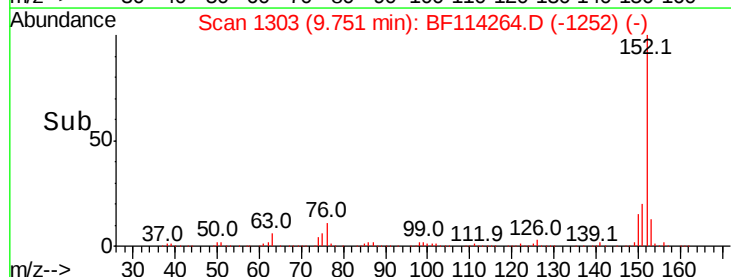
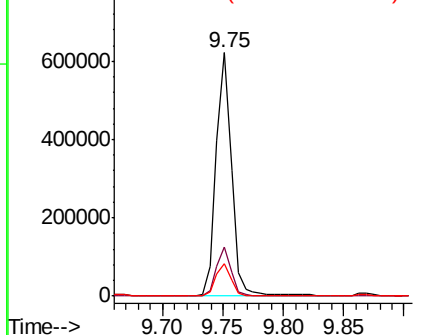


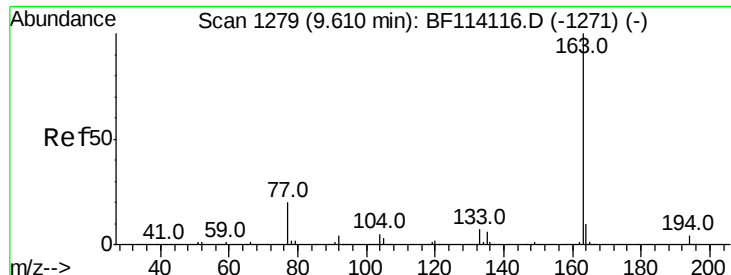
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





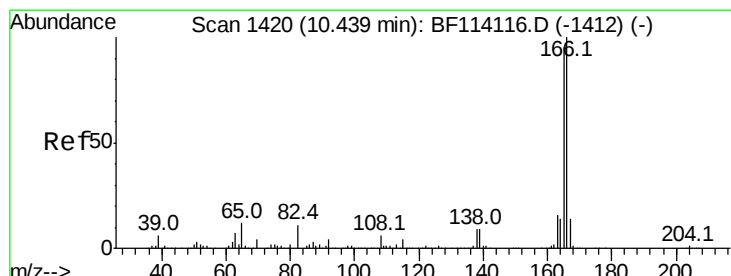
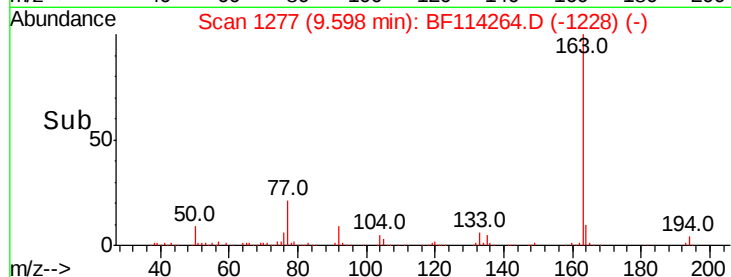
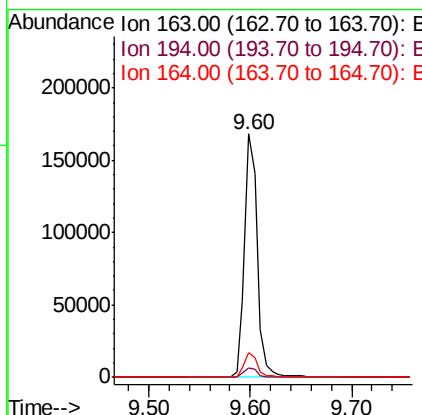
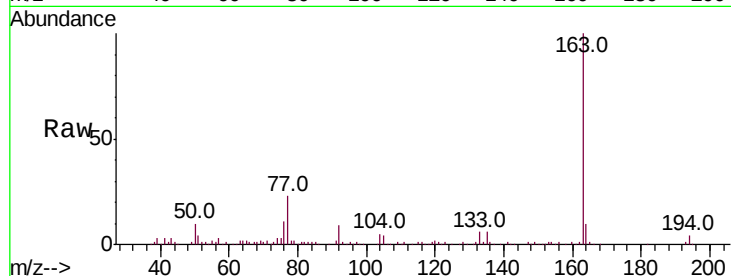
#50
Dimethylphthalate
Concen: 5.315 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9		3.4	5.0
164	10.2		8.2	12.2

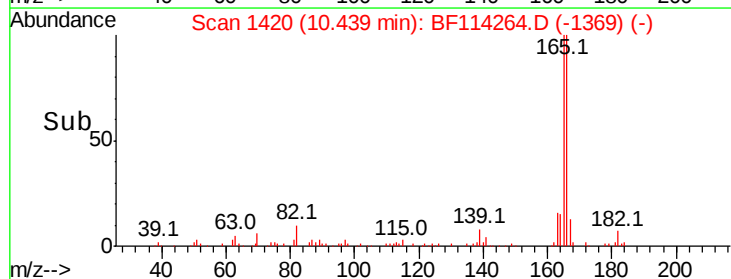
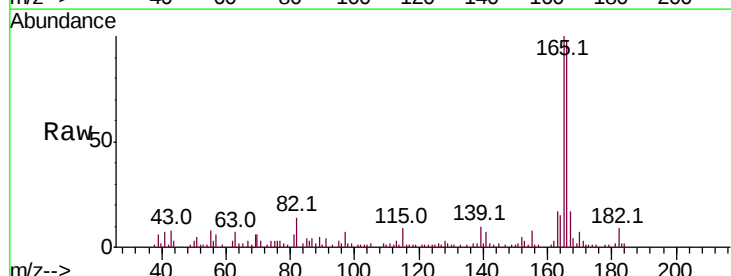
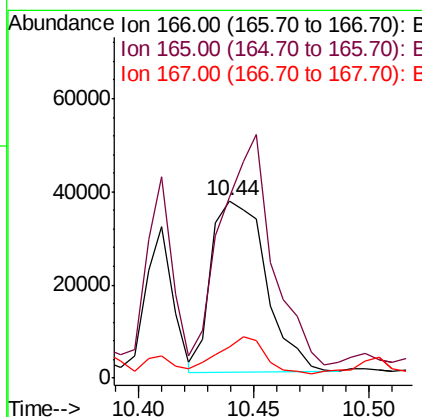
Manual Integrations
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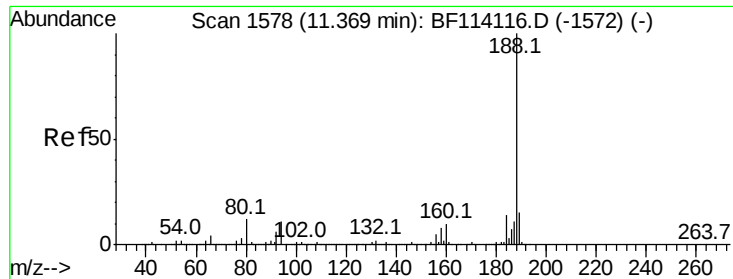
mohammad
5/16/2019 9:10:13 AM



#58
Fluorene
Concen: 2.316 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.00 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	101.6		76.1	114.1
167	17.2		11.1	16.7#





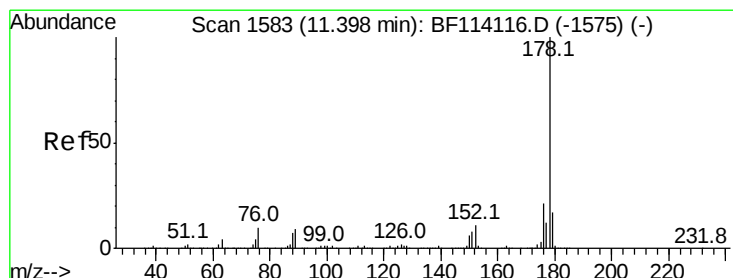
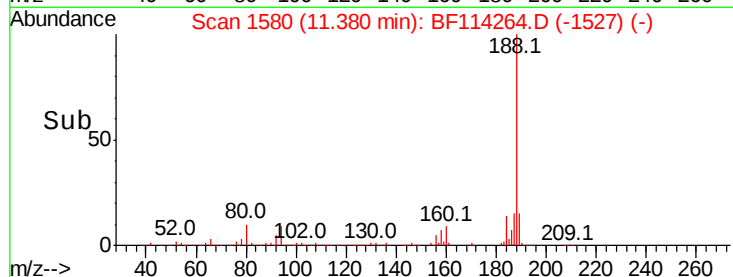
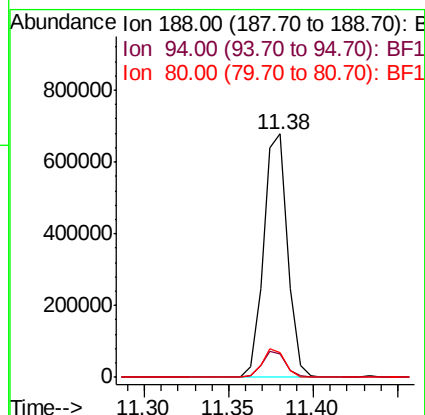
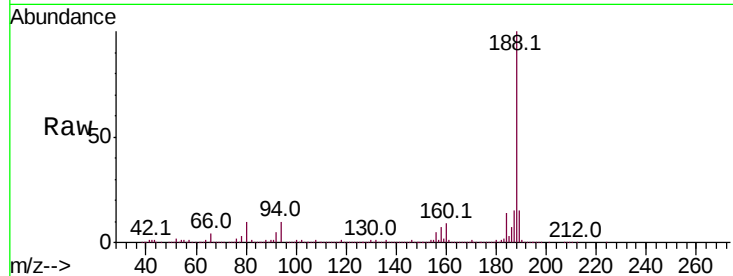
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.5	8.4	12.6
80	10.1	9.2	13.8

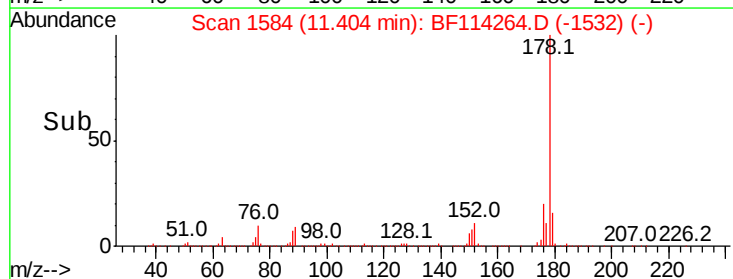
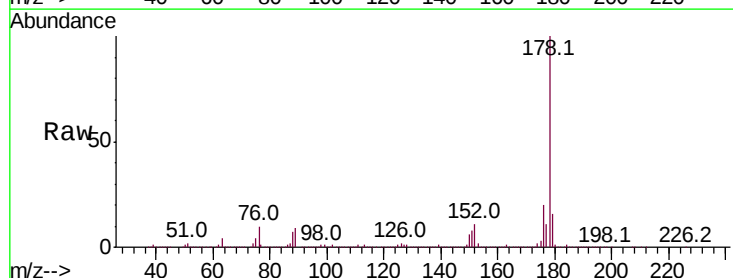
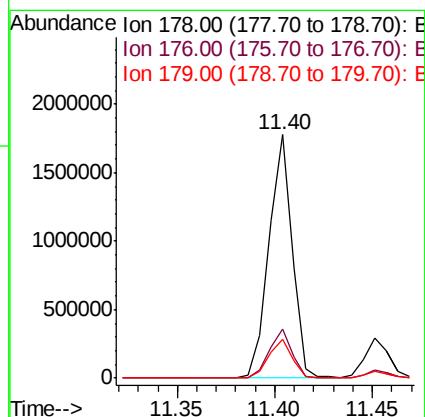
Manual Integrations
APPROVED

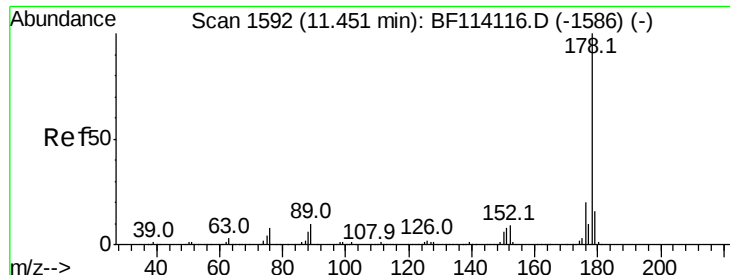
mohammad
5/16/2019 9:10:13 AM



#71
Phenanthrene
Concen: 45.173 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	16.4	24.6
179	16.0	13.2	19.8





#72

Anthracene

Concen: 7.405 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BF114264.D

Acq: 14 May 2019 20:11

Instrument :

BNA_F

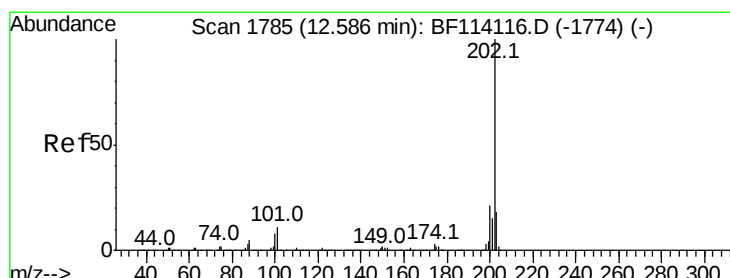
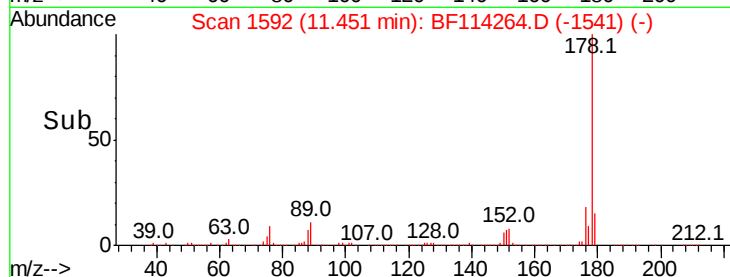
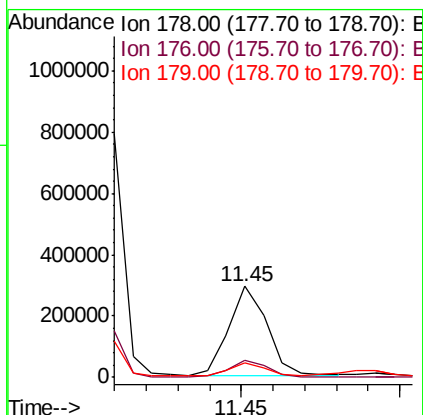
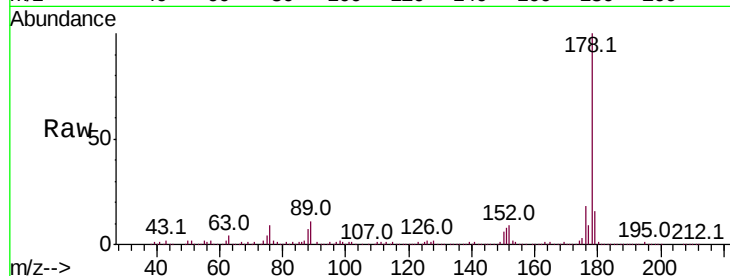
ClientSampleId :

P026-SS012-0002-01

Tot Ion:	178	Resp:	241433
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.8	23.8
179	15.8	13.0	19.4

Manual Integrations
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#75

Fluoranthene

Concen: 58.463 ng

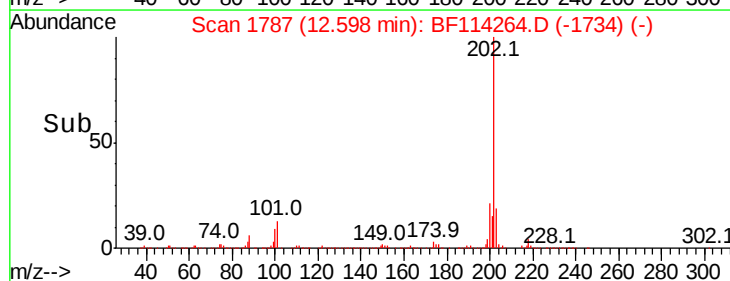
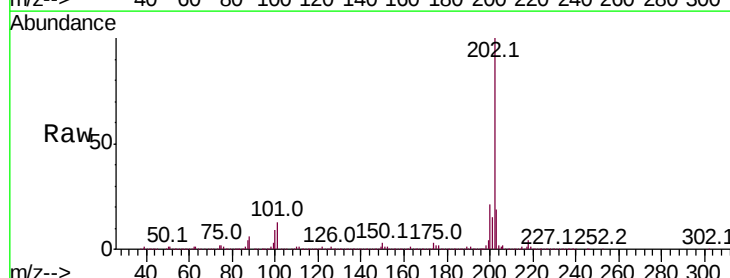
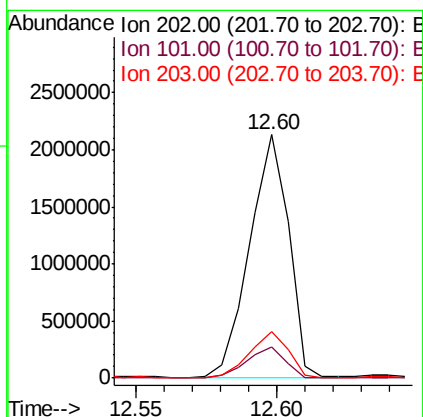
RT: 12.60 min Scan# 1787

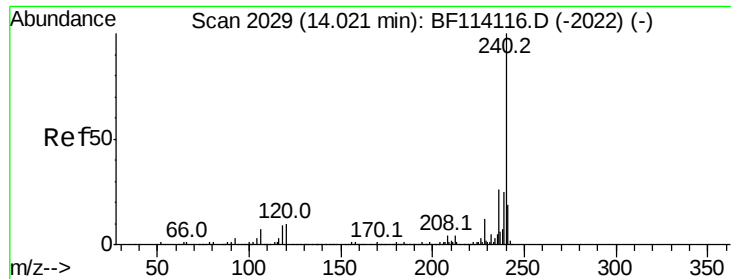
Delta R.T. 0.01 min

Lab File: BF114264.D

Acq: 14 May 2019 20:11

Tgt Ion:	202	Resp:	2043663
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	31.0
203	19.2	0.0	38.4





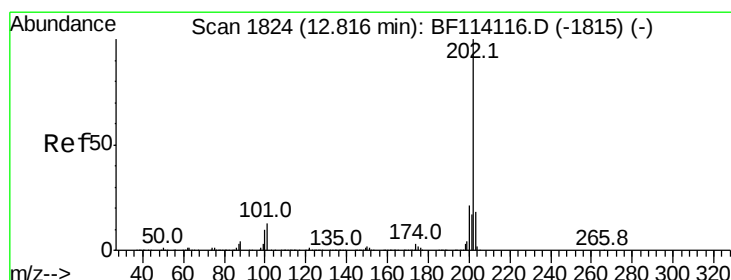
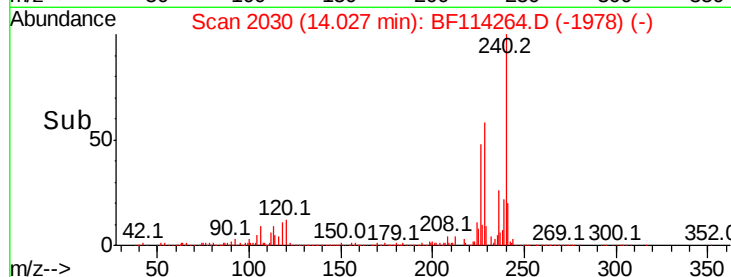
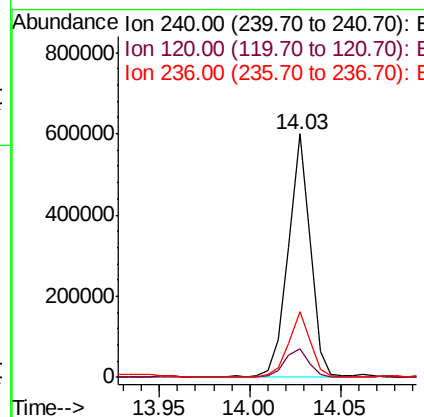
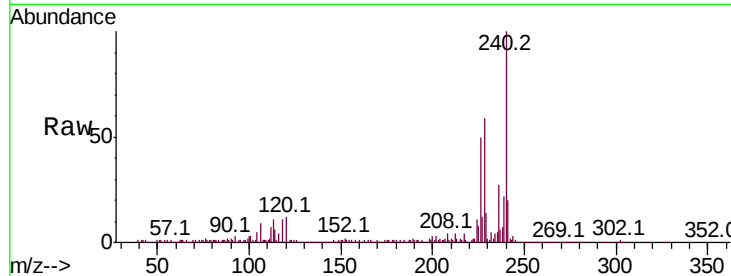
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.9	8.3	12.5	
236	26.9	20.8	31.2	

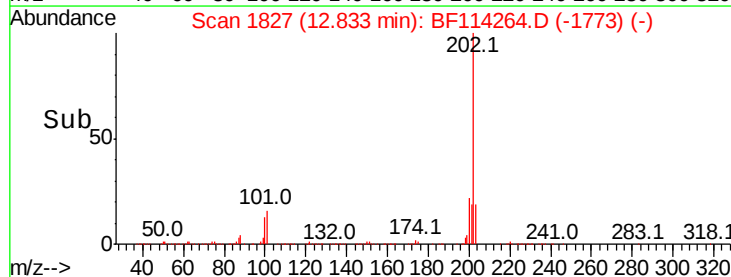
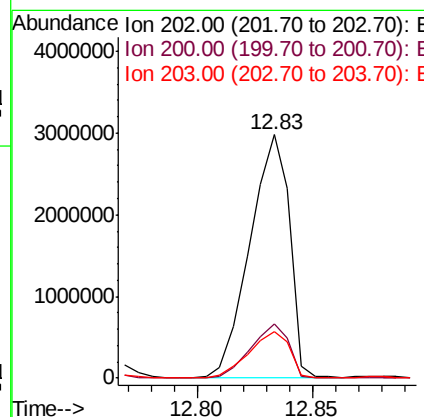
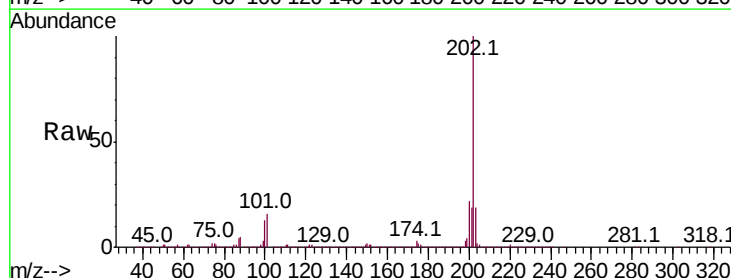
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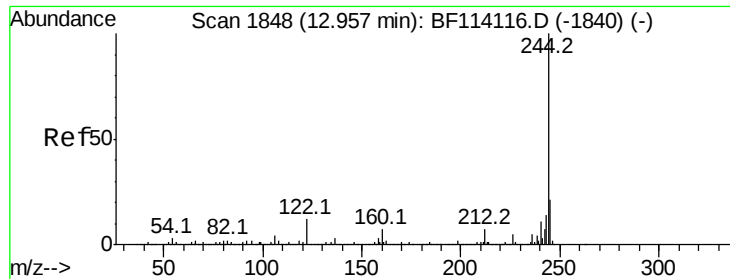
mohammad
5/16/2019 9:10:13 AM



#78
Pyrene
Concen: 87.368 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.02 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.4	16.9	25.3	
203	19.2	14.5	21.7	





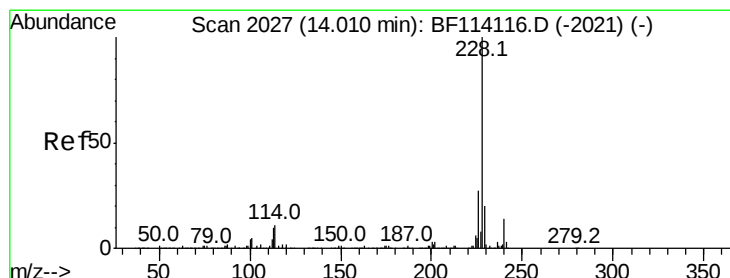
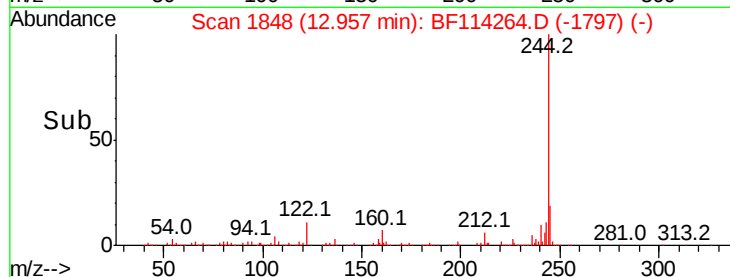
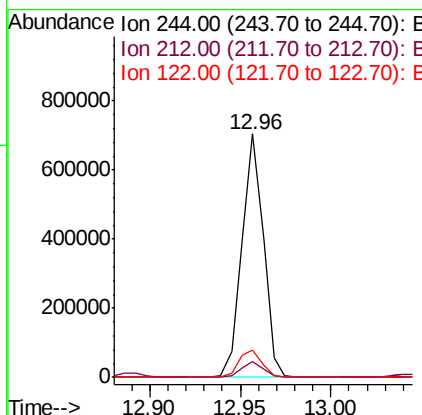
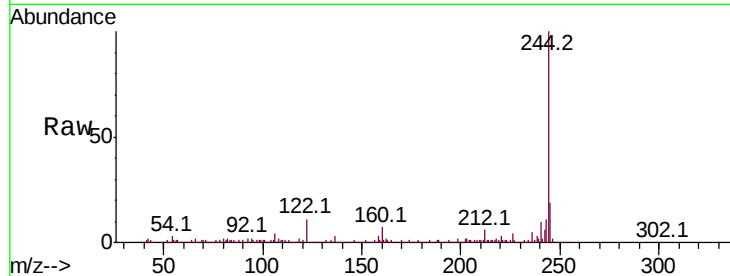
#79
 Terphenyl-d14
 Concen: 23.601 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BF114264.D
 Acq: 14 May 2019 20:11

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.6
122	11.4	9.4	14.2

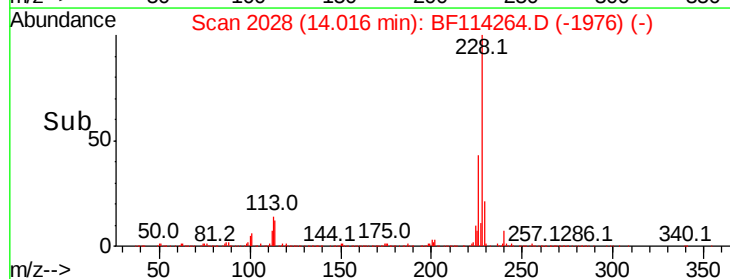
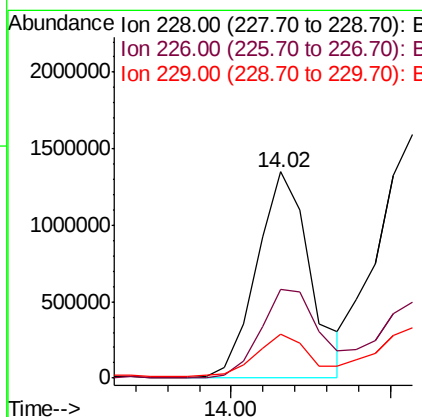
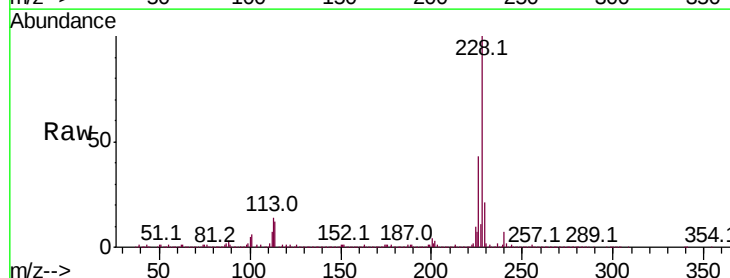
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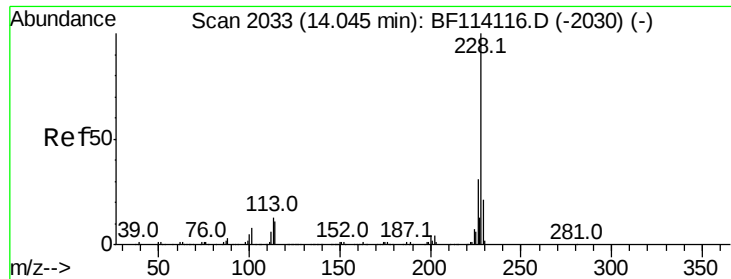
mohammad
 5/16/2019 9:10:13 AM



#81
 Benzo(a)anthracene
 Concen: 48.193 ng m
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BF114264.D
 Acq: 14 May 2019 20:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	43.2	22.2	33.2#
229	21.4	16.4	24.6





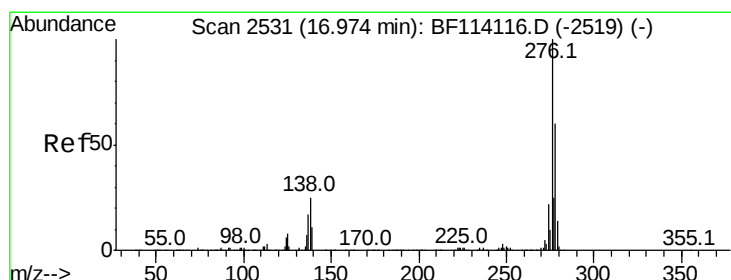
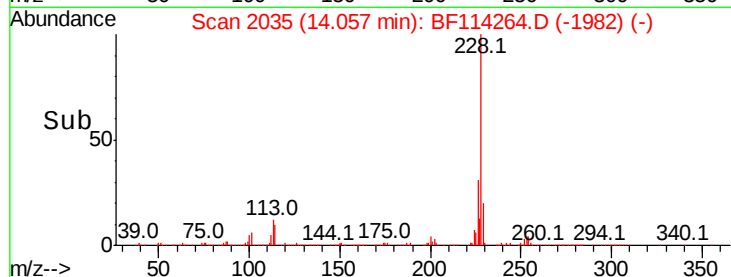
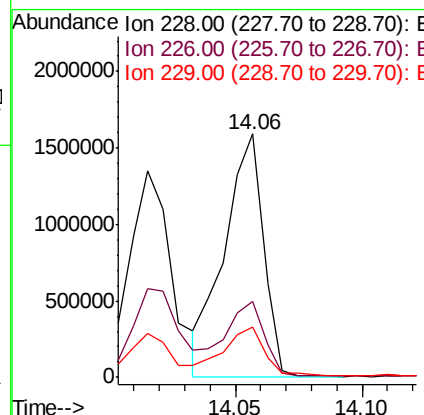
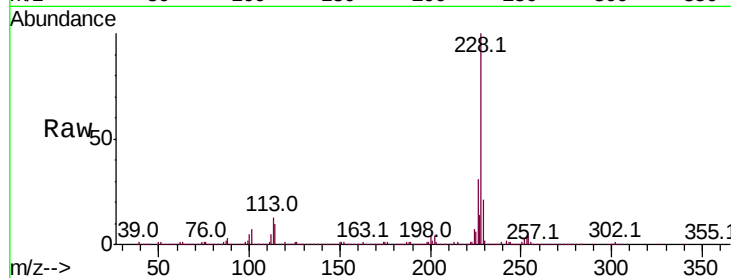
#83
Chrysene
Concen: 53.041 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	20.5	17.0	25.6

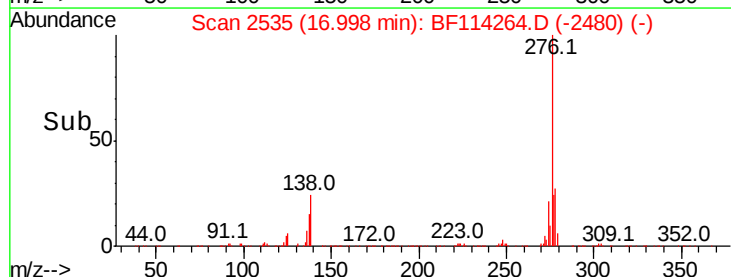
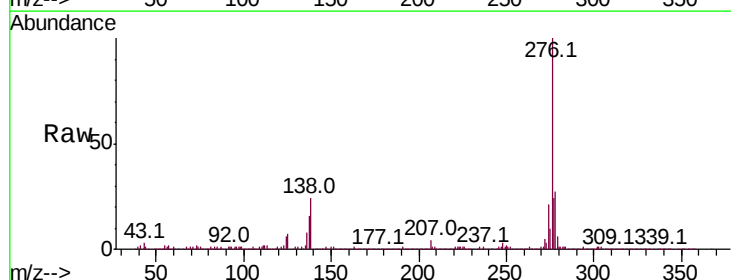
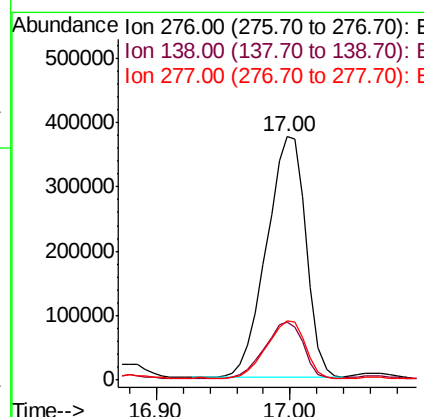
Manual Integrations
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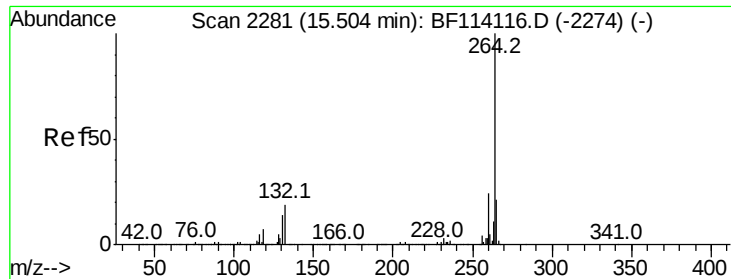
mohammad
5/16/2019 9:10:13 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 27.062 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.02 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.2	30.2
277	24.2	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF114264.D

Acq: 14 May 2019 20:11

Instrument :

BNA_F

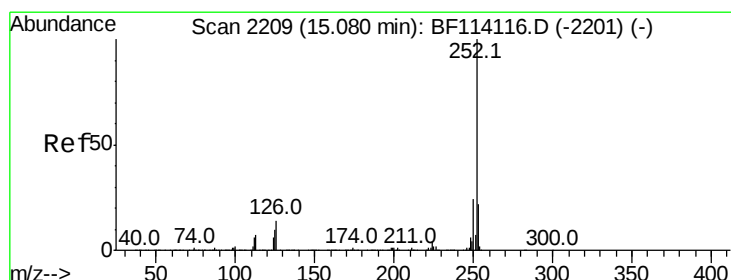
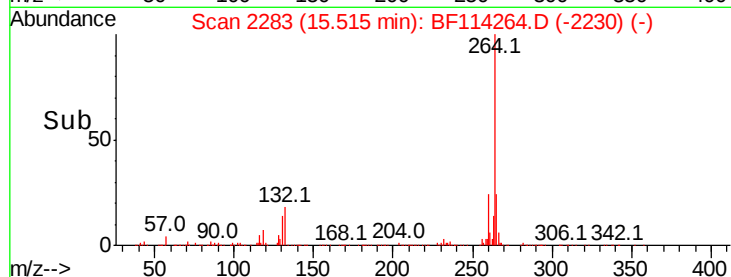
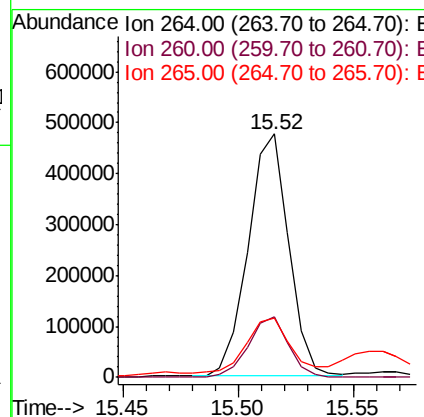
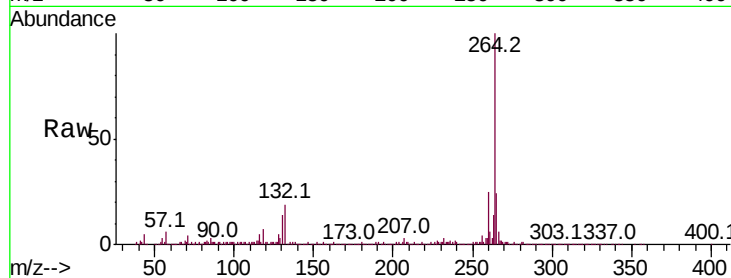
ClientSampleId :

P026-SS012-0002-01

Tot Ion:	264	Resp:	583611
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.4	29.0
265	24.5	16.9	25.3

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#88

Benzo(b)fluoranthene

Concen: 53.930 ng m

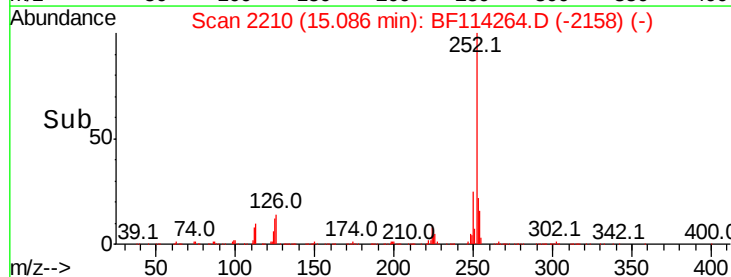
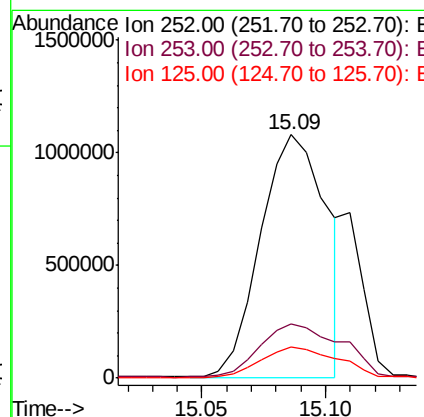
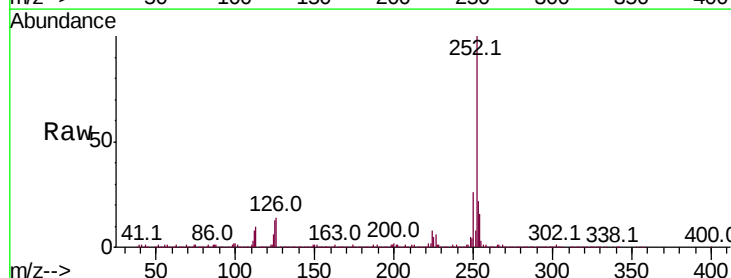
RT: 15.09 min Scan# 2210

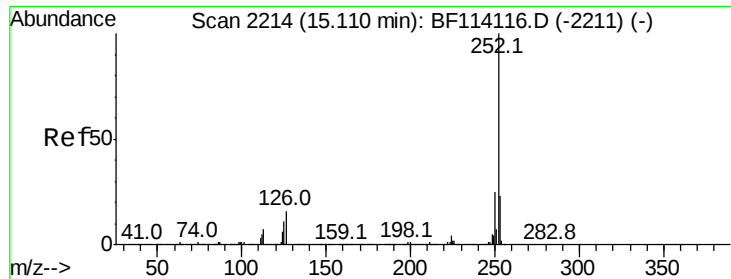
Delta R.T. 0.01 min

Lab File: BF114264.D

Acq: 14 May 2019 20:11

Tgt Ion:	252	Resp:	2016416
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.8
125	12.6	8.3	12.5#





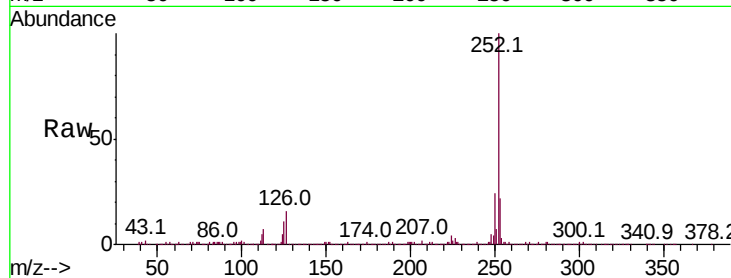
#89
Benzo(k)fluoranthene
Concen: 12.605 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.00 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01

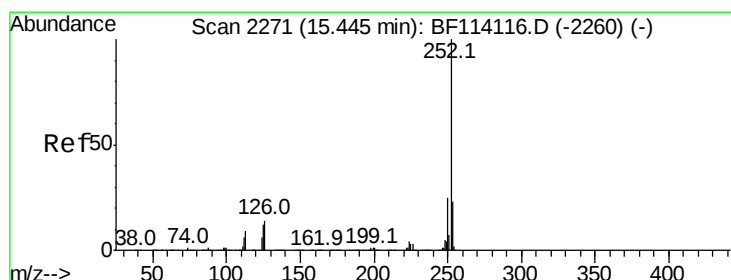
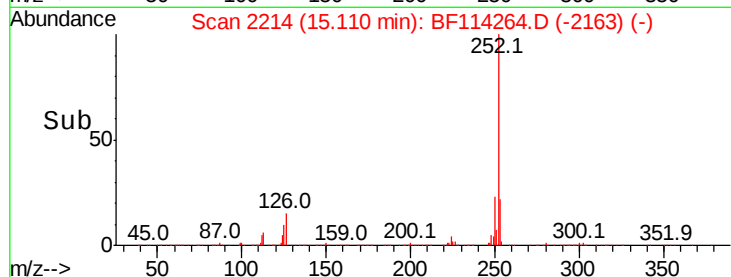
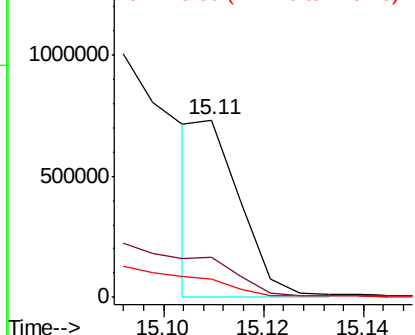
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	10.7	8.6	13.0

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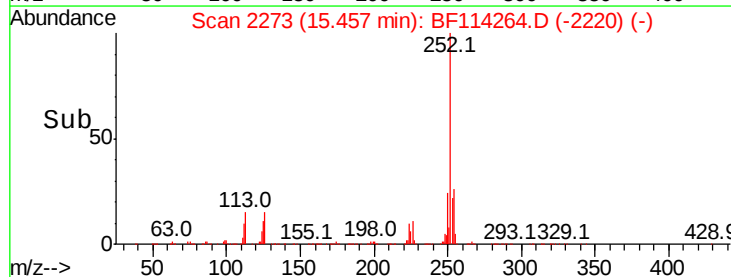
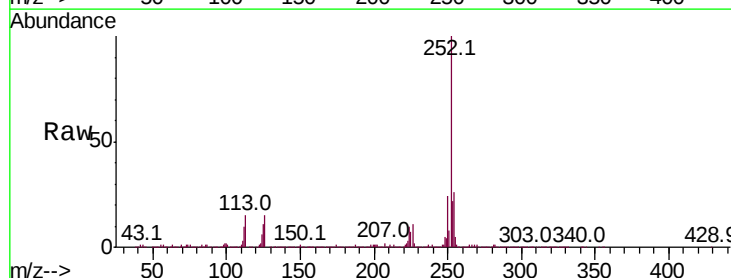
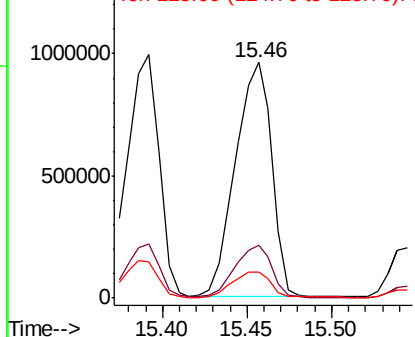
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

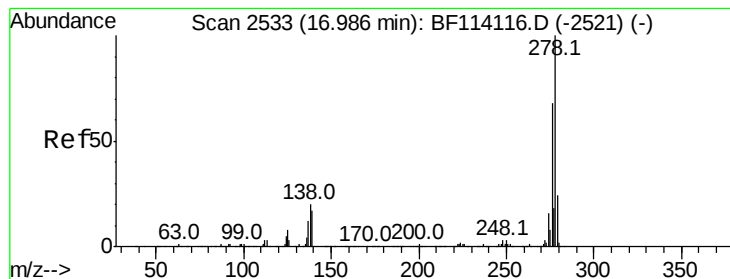


#90
Benzo(a)pyrene
Concen: 43.754 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF114264.D
Acq: 14 May 2019 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	11.2	9.5	14.3

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 7.911 ng/mL

RT: 17.00 min Scan# 2535

Delta R.T. 0.01 min

Lab File: BF114264.D

Acq: 14 May 2019 20:11

Instrument :

BNA_F

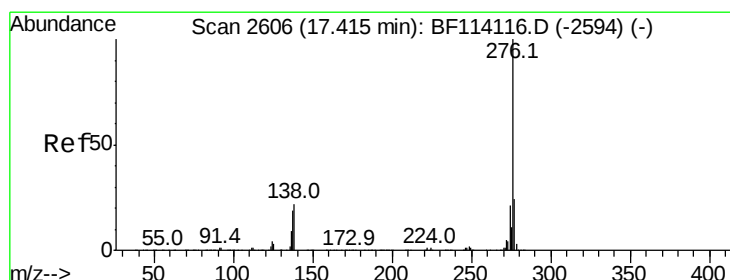
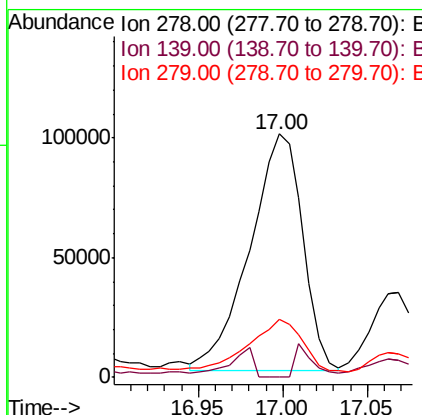
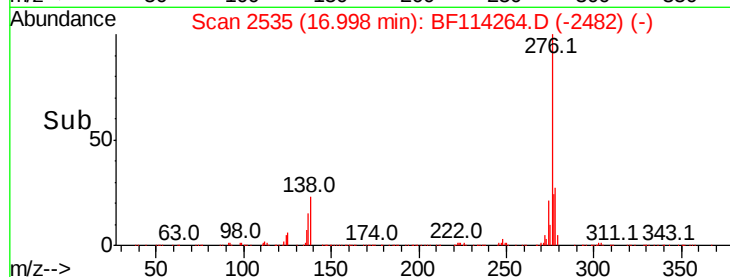
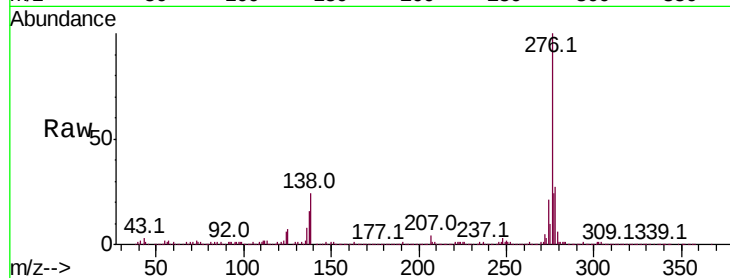
ClientSampleId :

P026-SS012-0002-01

Tot Ion:	278	Resp:	216299
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.5	20.3#
279	23.7	19.0	28.6

Manual Integrations
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mohammad
5/16/2019 9:10:13 AM



#92

Benzo(g,h,i)perylene

Concen: 31.545 ng/mL

RT: 17.46 min Scan# 2613

Delta R.T. 0.04 min

Lab File: BF114264.D

Acq: 14 May 2019 20:11

Tgt Ion:	276	Resp:	864407
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.0	28.4
138	22.1	17.8	26.6

