

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
 Data File : BF114217.D
 Acq On : 13 May 2019 2:58
 Operator : JU/SJ
 Sample : K2765-21DL 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-02DL

Manual Integrations
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Sohil
 5/13/2019 8:37:52 PM

Quant Time: May 13 09:39:40 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	261285	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1000214	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	459238	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	847137	20.00	ng	0.00
76) Chrysene-d12	14.02	240	585191	20.00	ng	0.00
87) Perylene-d12	15.49	264	612892	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	893819	55.05	ng	0.00
7) Phenol-d6	6.49	99	1189676	61.95	ng	0.00
23) Nitrobenzene-d5	7.41	82	737419	41.38	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	234661	49.43	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	988966	32.58	ng	0.00
79) Terphenyl-d14	12.96	244	800903	28.21	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.15	128	443806	9.499	ng	98
37) 2-Methylnaphthalene	8.85	142	184655	6.126	ng	97
38) 1-Methylnaphthalene	8.95	142	117271	4.131	ng	97
46) 1,1'-Biphenyl	9.30	154	74846	2.017	ng	94
49) Acenaphthylene	9.75	152	731692	16.112	ng	98
50) Dimethylphthalate	9.60	163	190403	5.648	ng	99
71) Phenanthrene	11.40	178	2183264	52.973	ng	99
72) Anthracene	11.44	178	422115	10.197	ng	97
75) Fluoranthene	12.60	202	2891051	65.139	ng	98
78) Pyrene	12.83	202	4834156	102.689	ng	95
81) Benzo(a)anthracene	14.01	228	2184328m	57.710	ng	
83) Chrysene	14.05	228	2254342	60.758	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	966800	29.483	ng	97
88) Benzo(b)fluoranthene	15.07	252	2331262m	59.372	ng	
89) Benzo(k)fluoranthene	15.09	252	670708m	18.595	ng	
90) Benzo(a)pyrene	15.44	252	1575077	45.579	ng	99
91) Dibenzo(a,h)anthracene	16.97	278	284477m	9.907	ng	
92) Benzo(g,h,i)perylene	17.42	276	1104010	38.365	ng	97

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

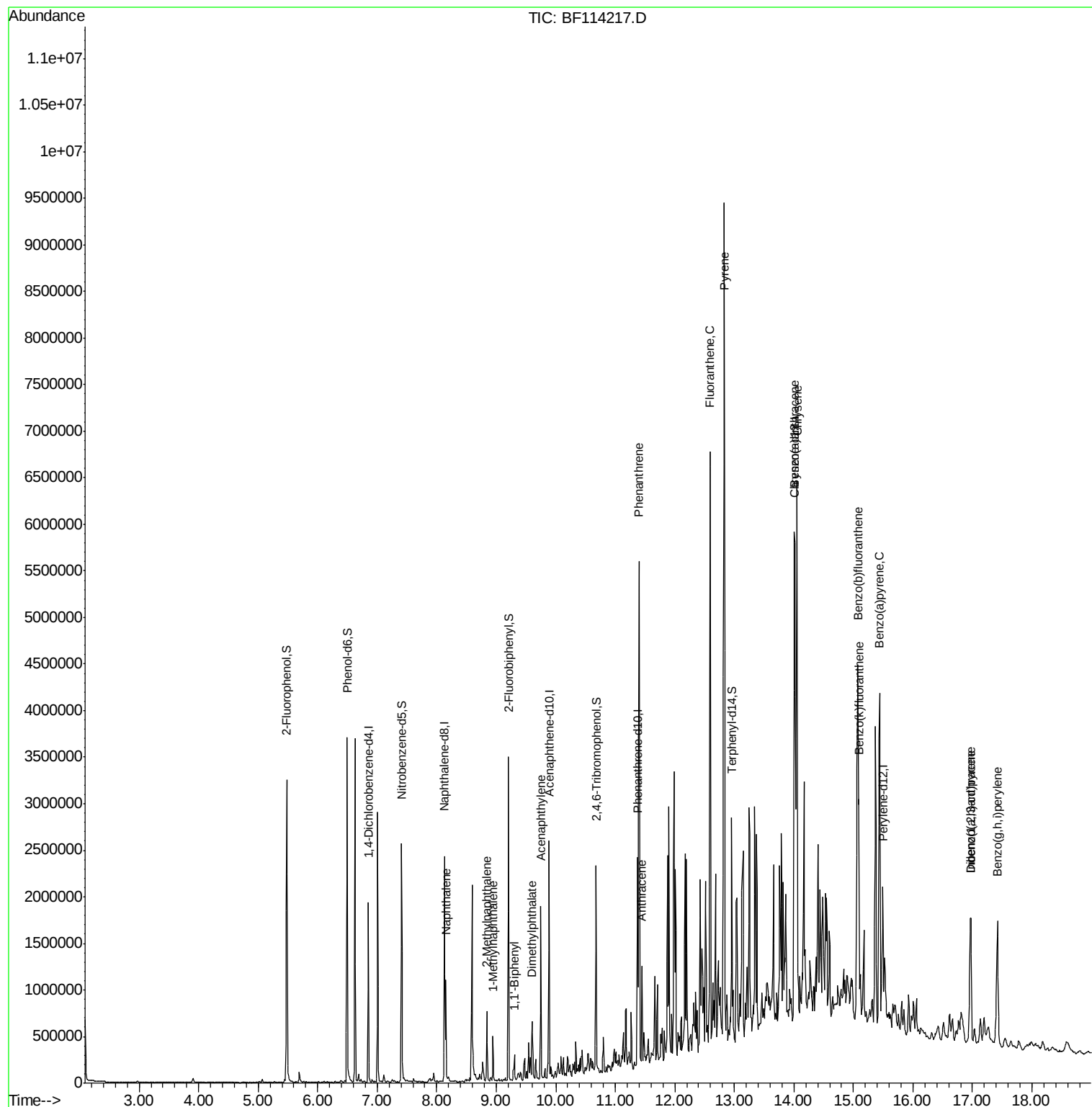
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114217.D
Acq On : 13 May 2019 2:58
Operator : JU/SJ
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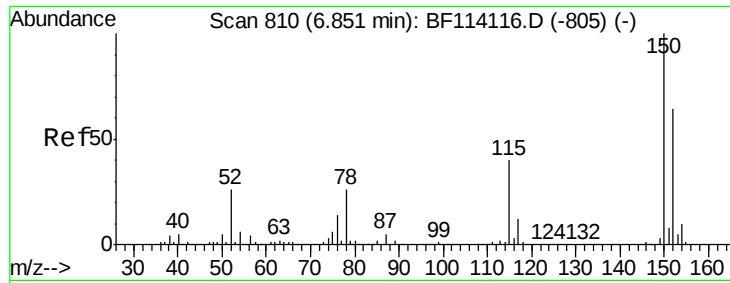
Instrument :
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ClientSampleId :
P026-SS006-0002-02DL

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Quant Time: May 13 09:39:40 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

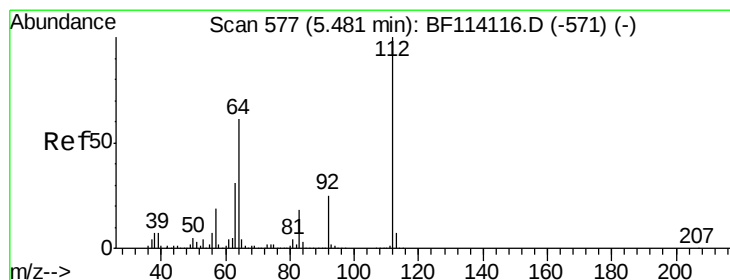
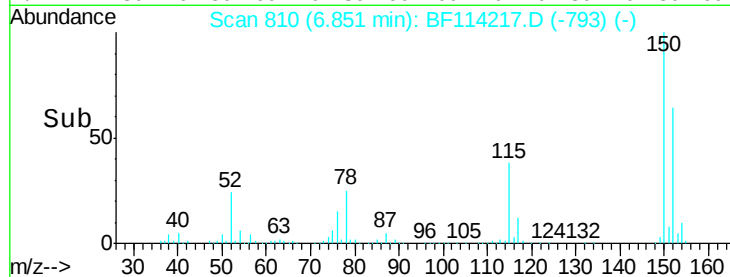
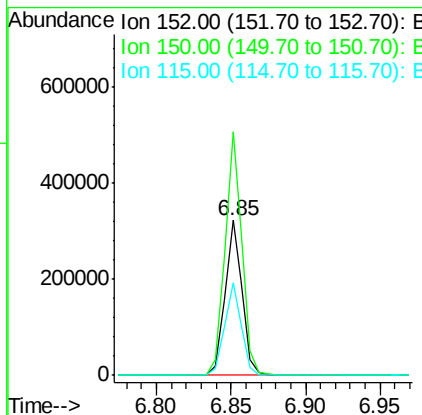
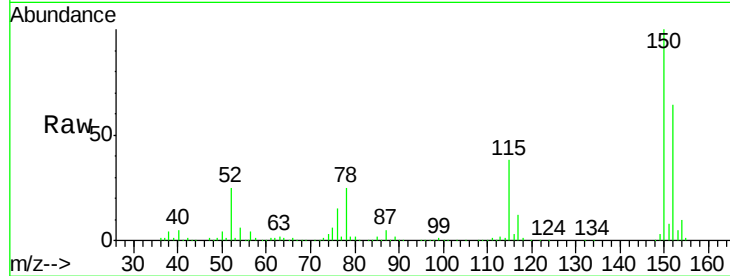
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.3	186.5
115	59.8	49.1	73.7

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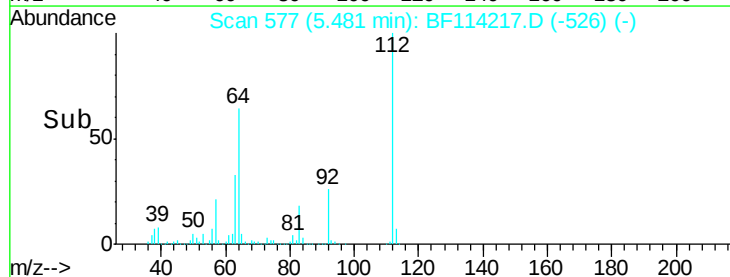
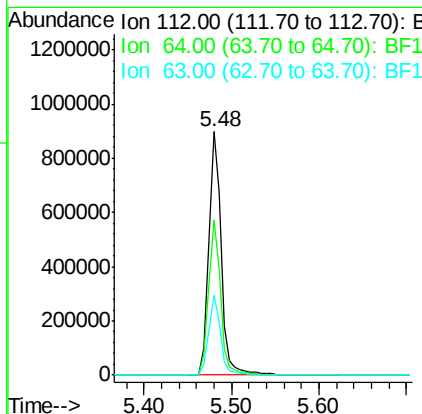
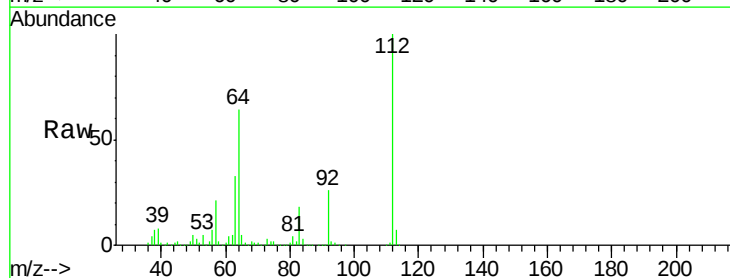
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#5

2-Fluorophenol
Concen: 55.051 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	49.0	73.6
63	32.5	24.6	37.0





#7

Phenol-d6

Concen: 61.952 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114217.D

Acq: 13 May 2019 2:58

Instrument :

BNA_F

ClientSampleId :

P026-SS006-0002-02DL

Tot Ion: 99 Resp: 1189676

Ion Ratio Lower Upper

99 100

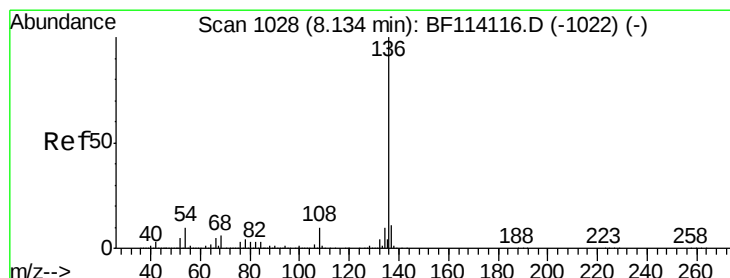
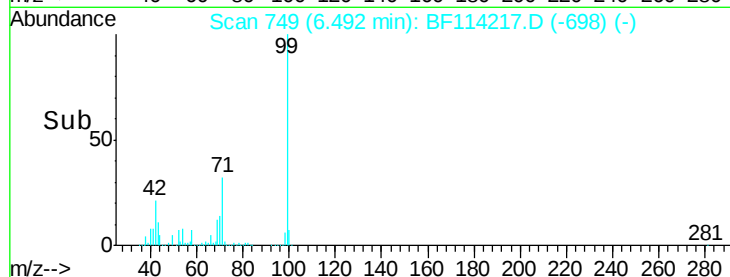
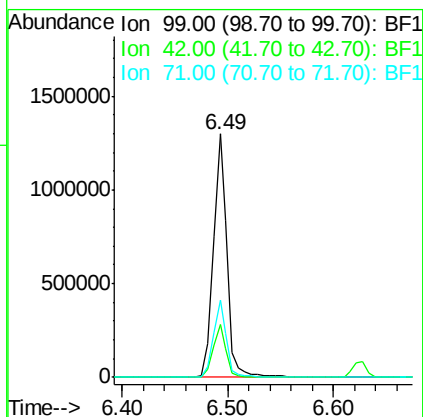
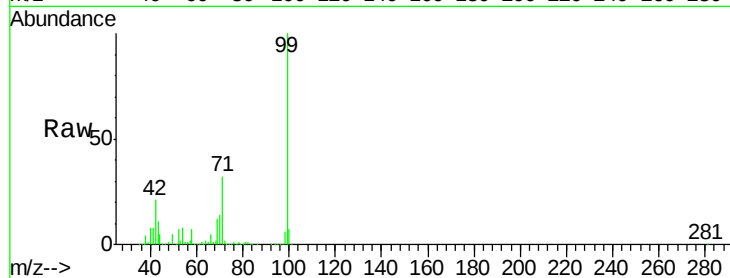
42 21.5 17.9 26.9

71 31.8 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: BF114217.D

Acq: 13 May 2019 2:58

Tgt Ion: 136 Resp: 1000214

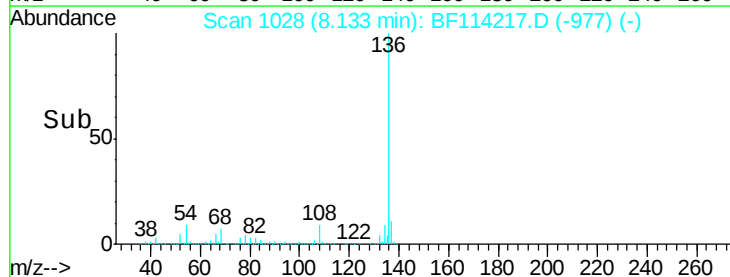
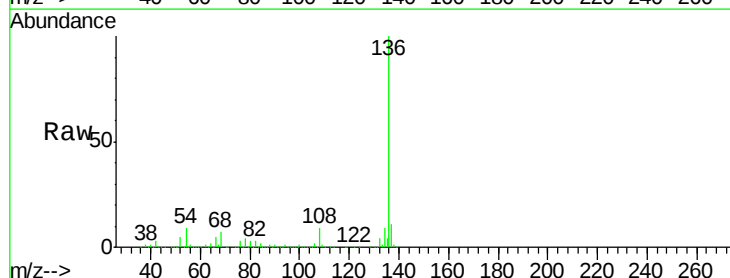
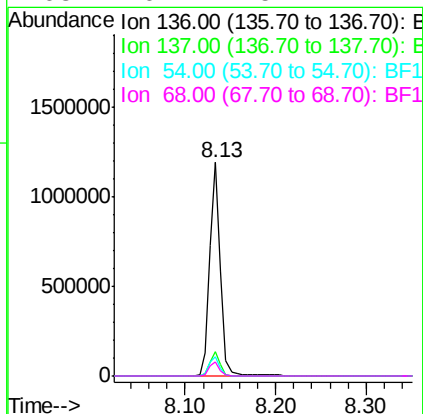
Ion Ratio Lower Upper

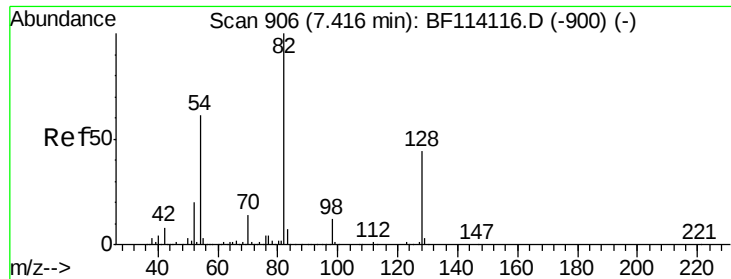
136 100

137 11.1 8.8 13.2

54 9.3 7.8 11.8

68 6.7 5.1 7.7





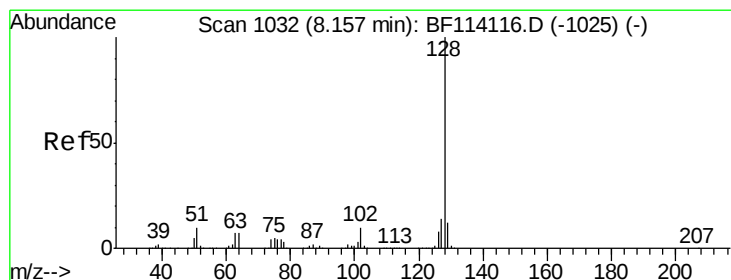
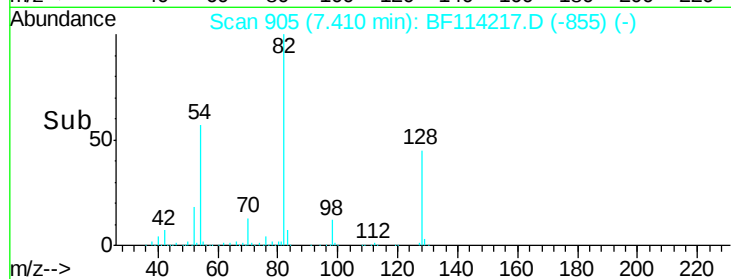
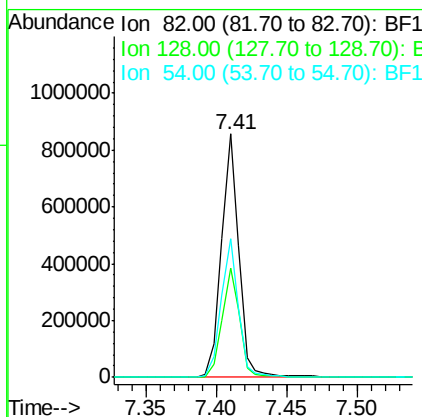
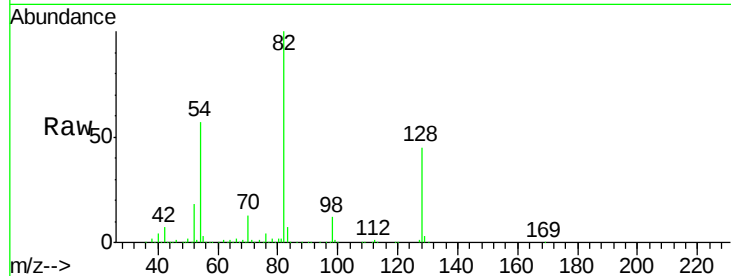
#23
Nitrobenzene-d5
Concen: 41.375 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.5	53.3
54	57.1	48.5	72.7

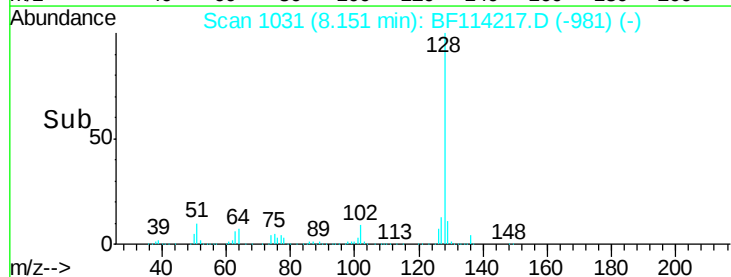
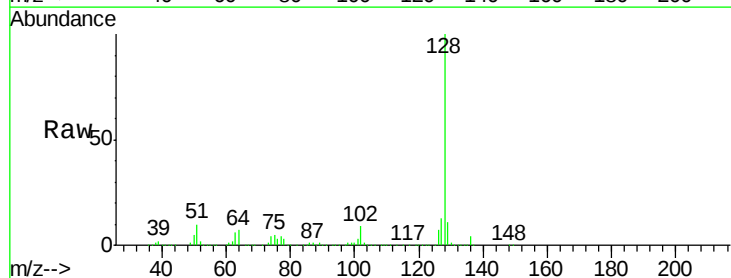
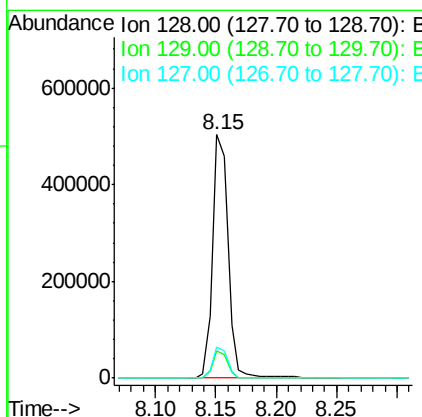
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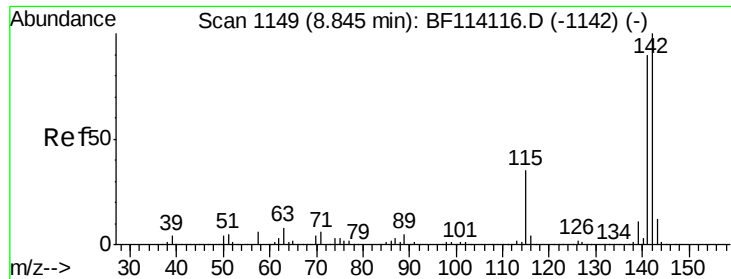
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#31
Naphthalene
Concen: 9.499 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.6	14.4
127	13.0	11.3	16.9





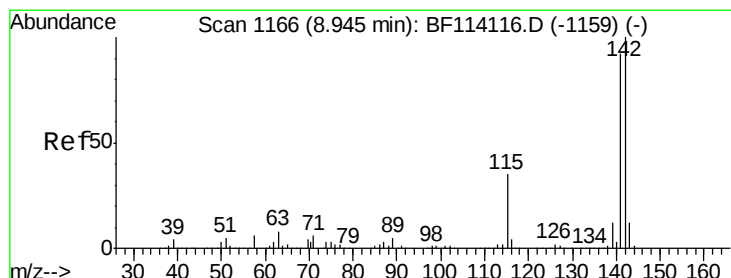
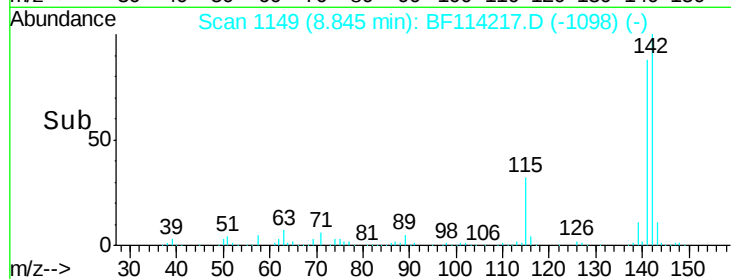
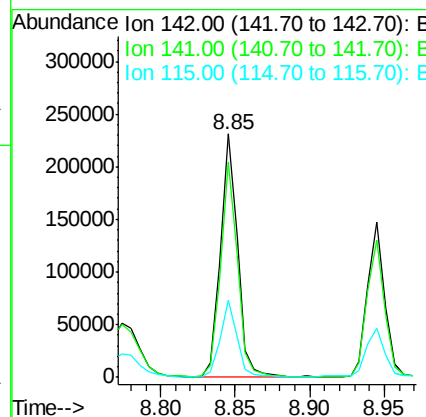
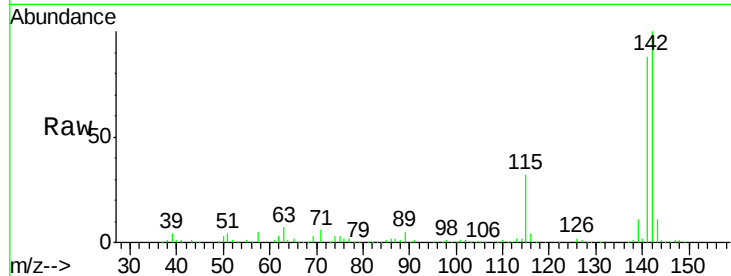
#37
2-Methylnaphthalene
Concen: 6.126 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	184655		
141	88.4	72.1	108.1	
115	31.8	28.0	42.0	

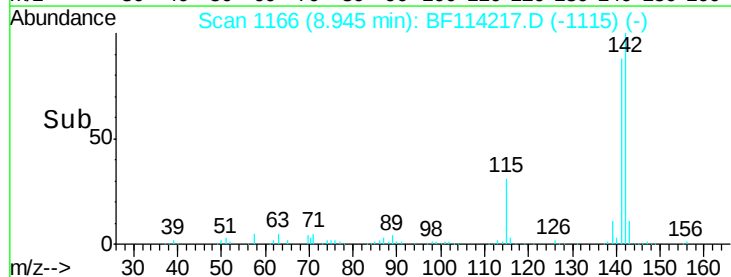
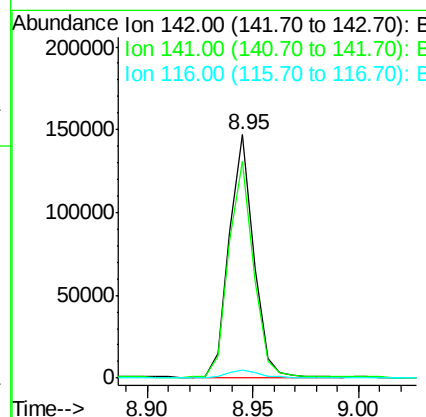
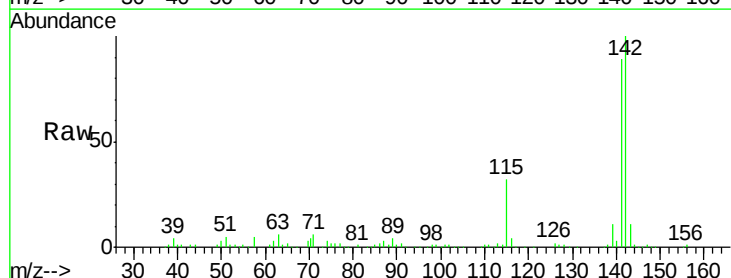
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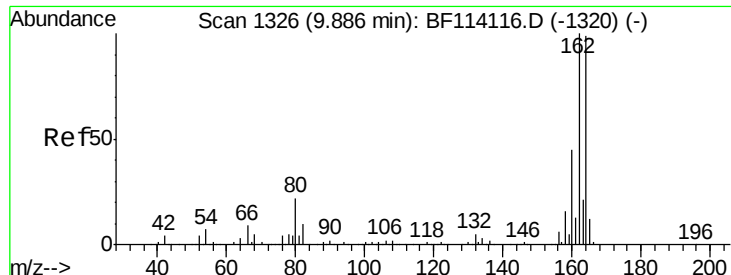
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#38
1-Methylnaphthalene
Concen: 4.131 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	117271		
141	89.0	73.4	110.0	
116	3.5	3.1	4.7	





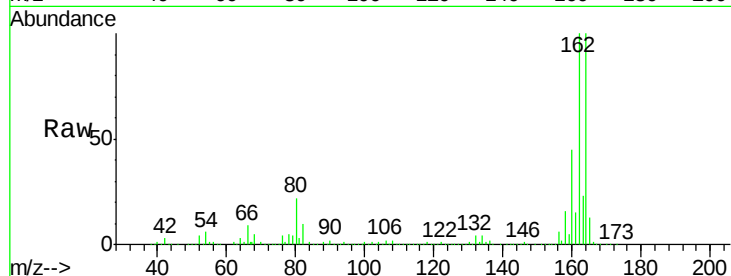
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

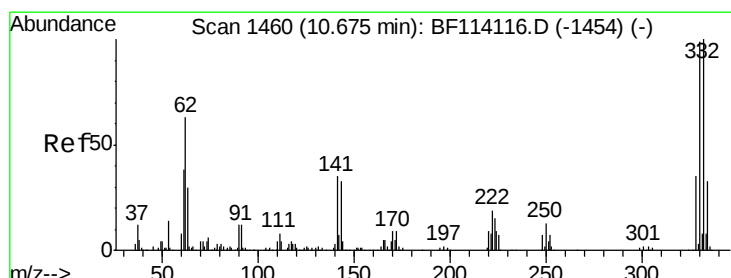
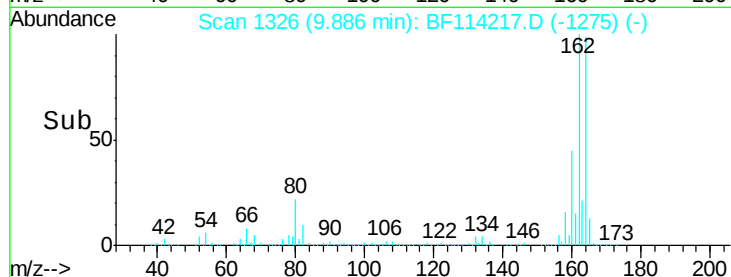
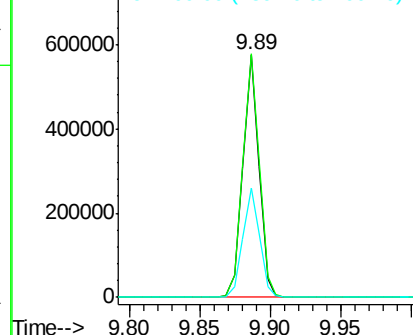
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.5	80.6	120.8	
160	45.3	36.5	54.7	

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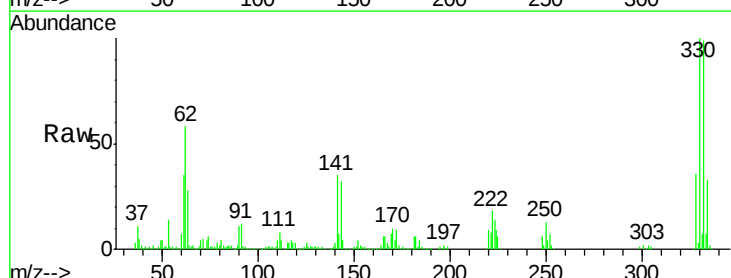


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

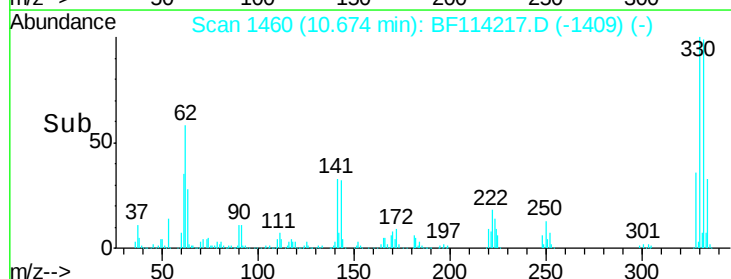
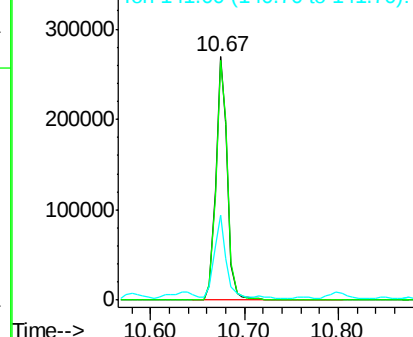


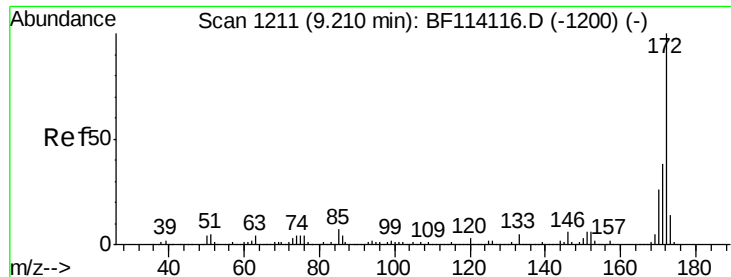
#42
2,4,6-Tribromophenol
Concen: 49.426 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.8	81.4	122.2	
141	33.3	26.6	40.0	



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





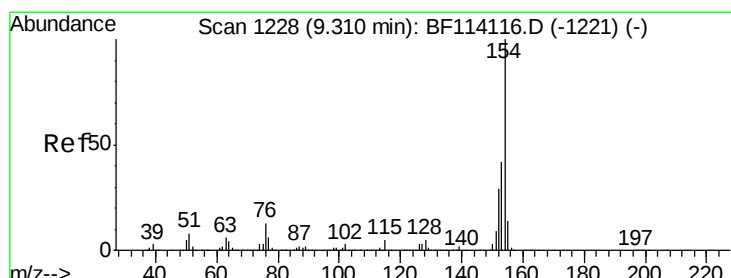
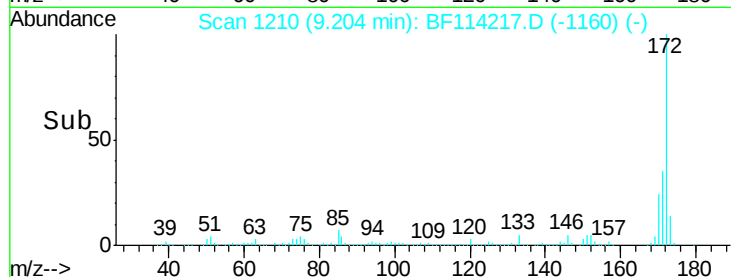
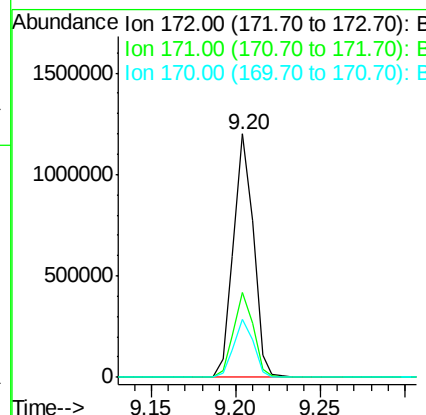
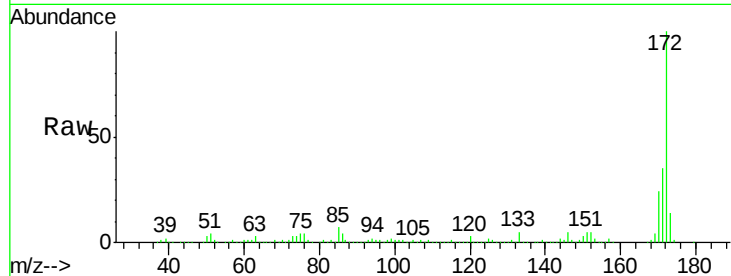
#45
2-Fluorobiphenyl
Concen: 32.575 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	988966		
171	34.7		30.7	46.1
170	23.6		20.5	30.7

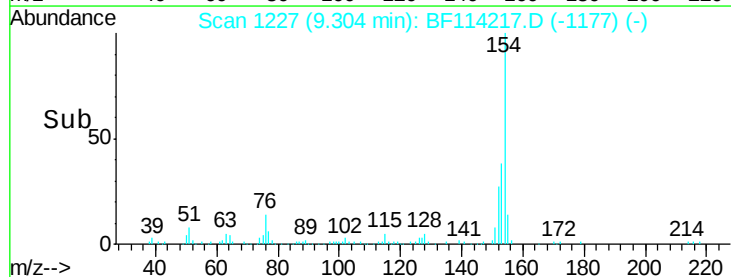
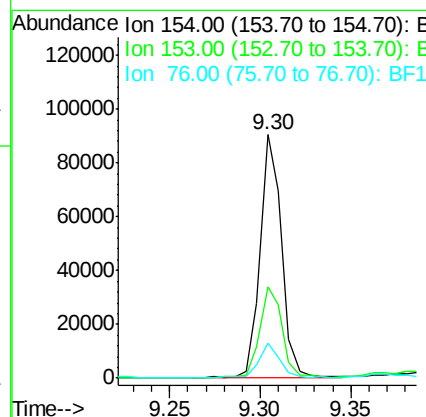
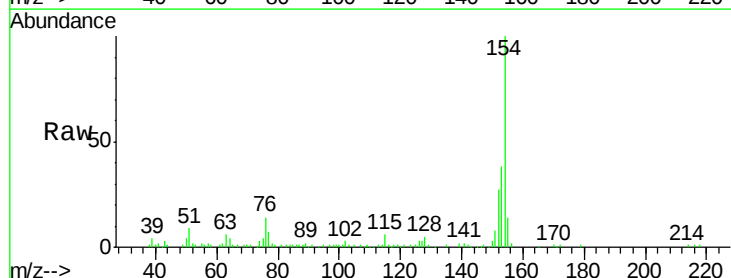
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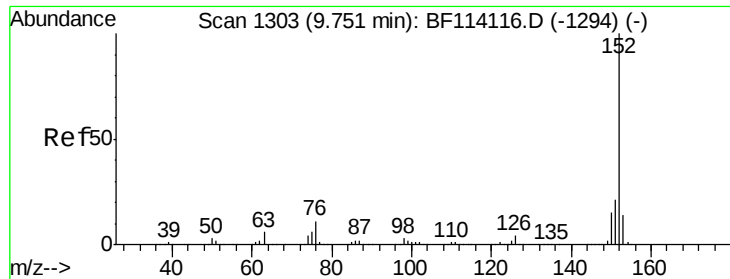
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#46
1,1'-Biphenyl
Concen: 2.017 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	74846		
153	37.6		21.9	61.9
76	14.4		0.0	32.8





#49

Acenaphthylene

Concen: 16.112 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114217.D

Acq: 13 May 2019 2:58

Instrument :

BNA_F

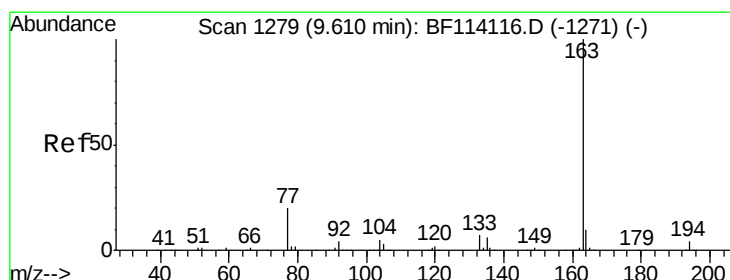
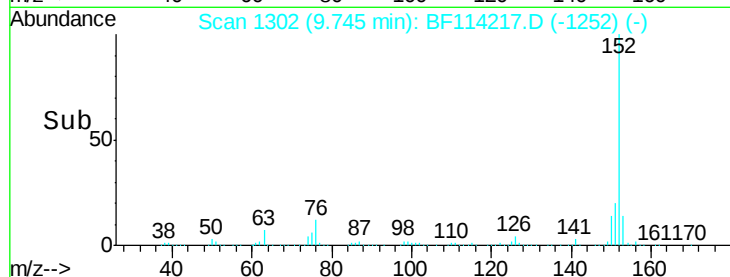
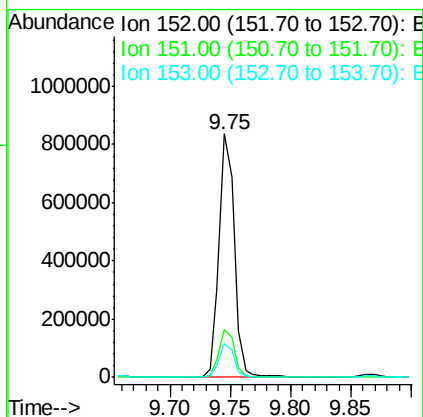
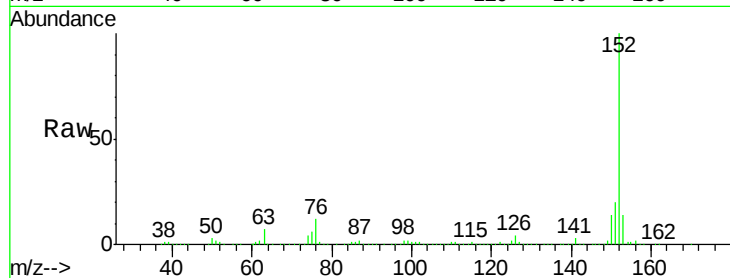
ClientSampleId :

P026-SS006-0002-02DL

Tot Ion:	152	Resp:	731692
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.8	25.2
153	13.7	11.4	17.2

Manual Integrations
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#50

Dimethylphthalate

Concen: 5.648 ng

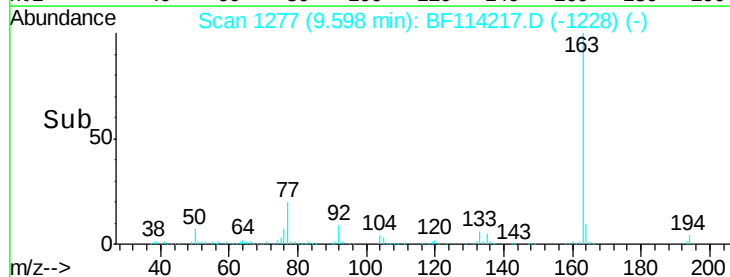
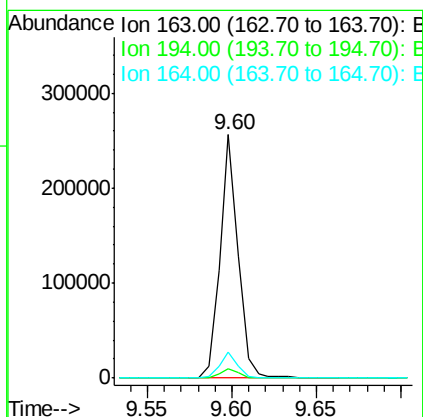
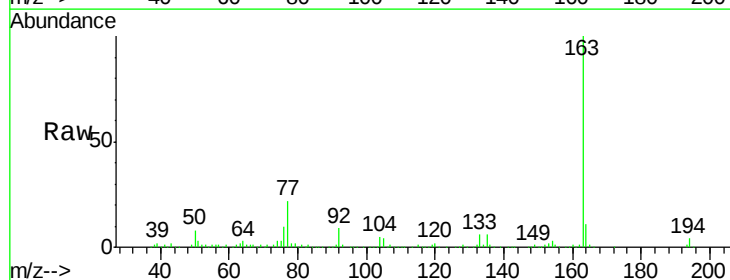
RT: 9.60 min Scan# 1277

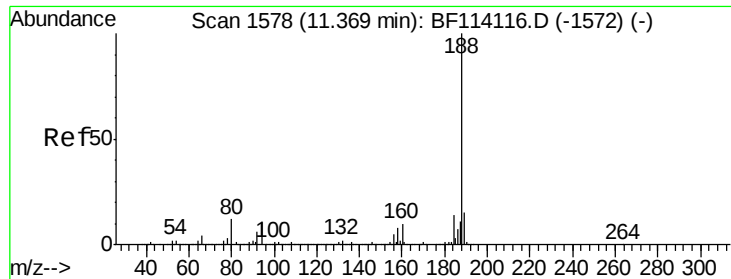
Delta R.T. -0.01 min

Lab File: BF114217.D

Acq: 13 May 2019 2:58

Tgt Ion:	163	Resp:	190403
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.4	5.0
164	10.6	8.2	12.2





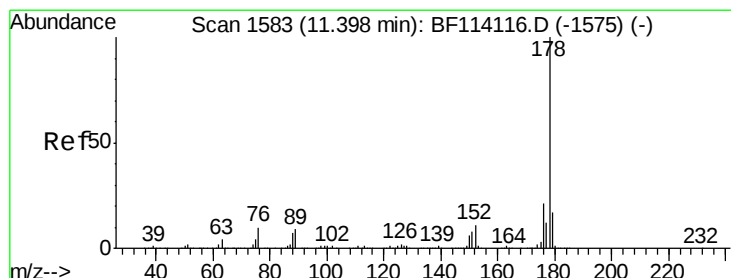
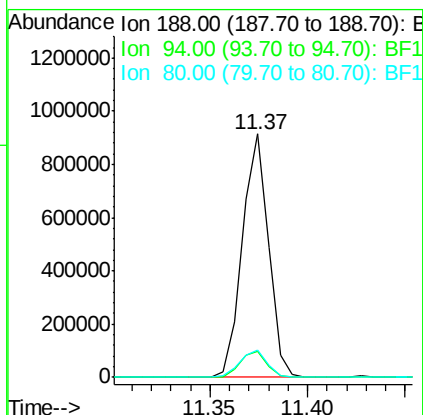
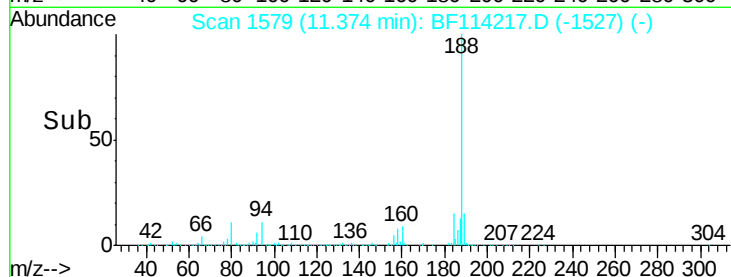
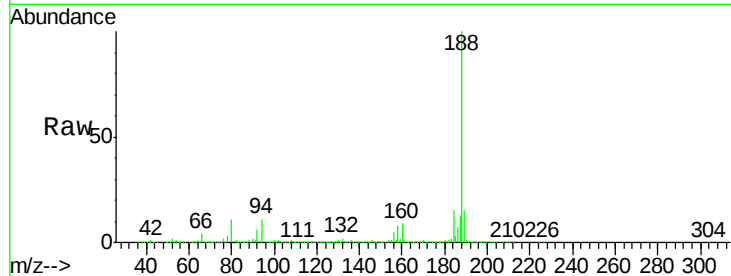
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	847137		
94	10.6		8.4	12.6
80	11.3		9.2	13.8

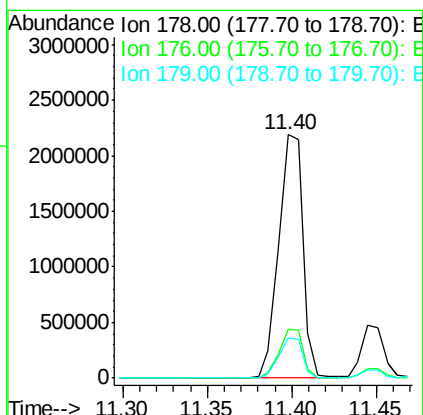
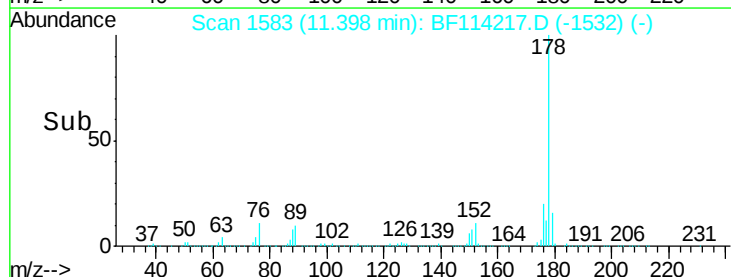
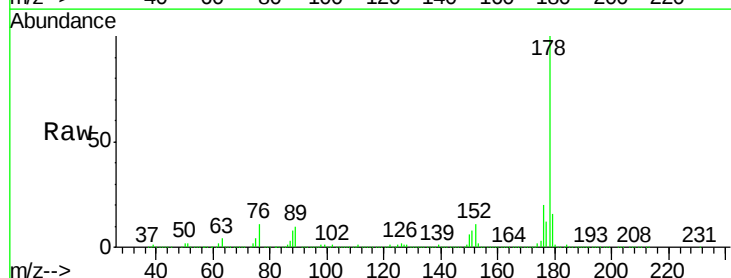
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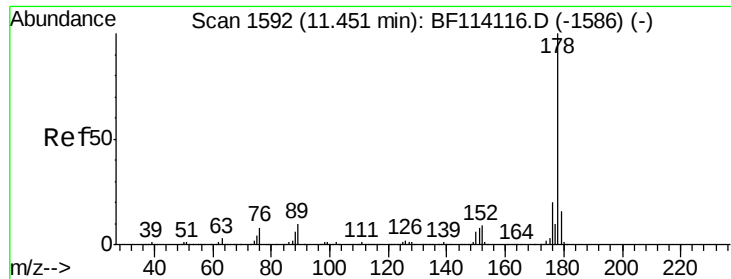
Sohil
5/13/2019 8:37:52 PM



#71
Phenanthrene
Concen: 52.973 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2183264		
176	19.9		16.4	24.6
179	16.4		13.2	19.8





#72

Anthracene

Concen: 10.197 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114217.D

Acq: 13 May 2019 2:58

Instrument :

BNA_F

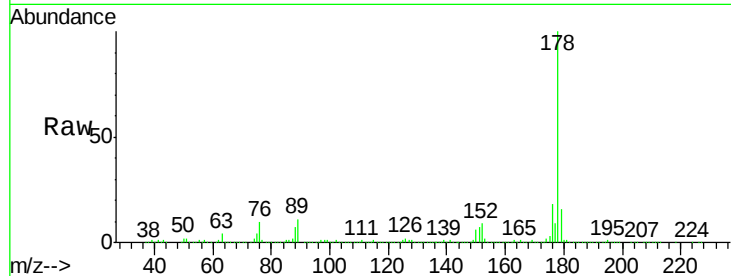
ClientSampleId :

P026-SS006-0002-02DL

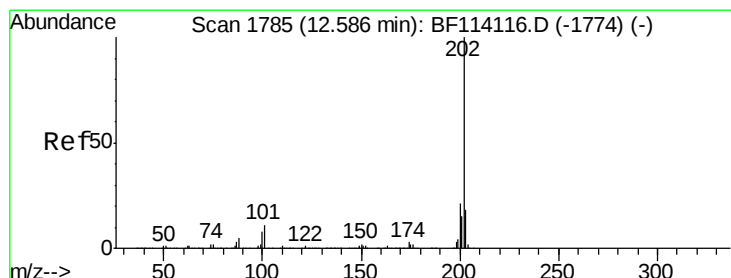
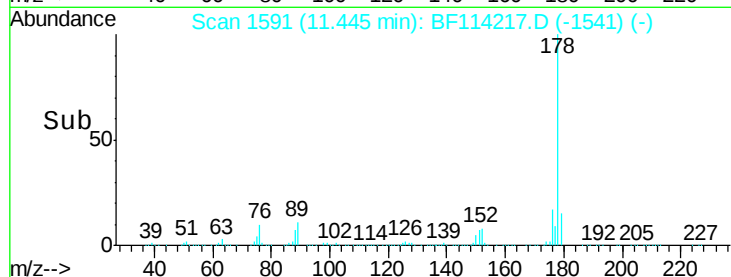
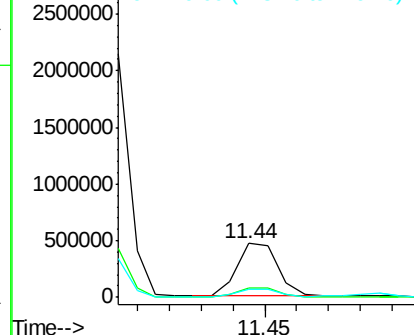
Tot Ion:178	Resp:	422115
Ion Ratio	Lower	Upper
178	100	
176	17.7	15.8 23.8
179	15.7	13.0 19.4

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 65.139 ng

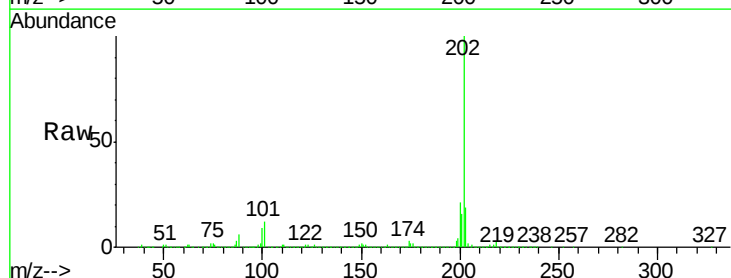
RT: 12.60 min Scan# 1787

Delta R.T. 0.01 min

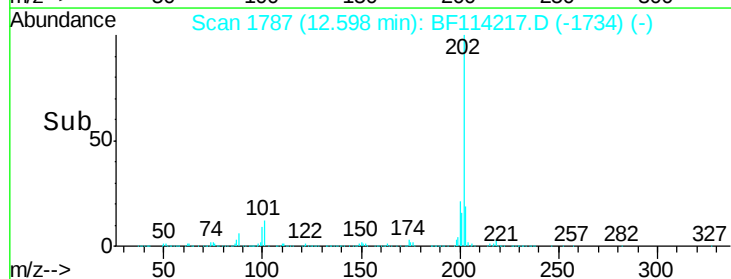
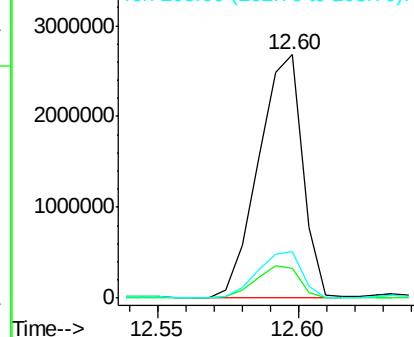
Lab File: BF114217.D

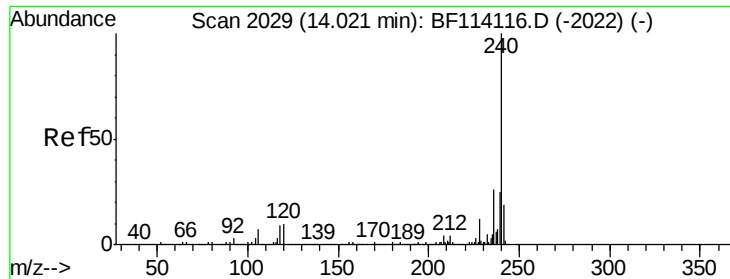
Acq: 13 May 2019 2:58

Tgt Ion:202	Resp:	2891051
Ion Ratio	Lower	Upper
202	100	
101	12.3	0.0 31.0
203	19.0	0.0 38.4



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





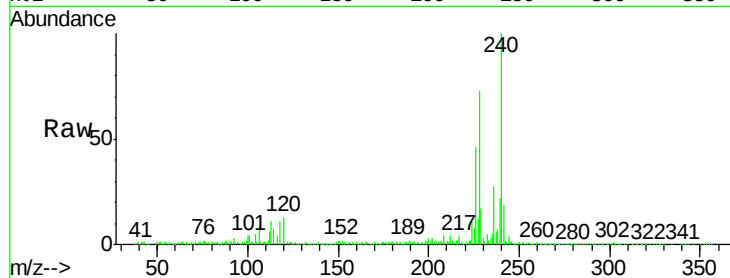
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

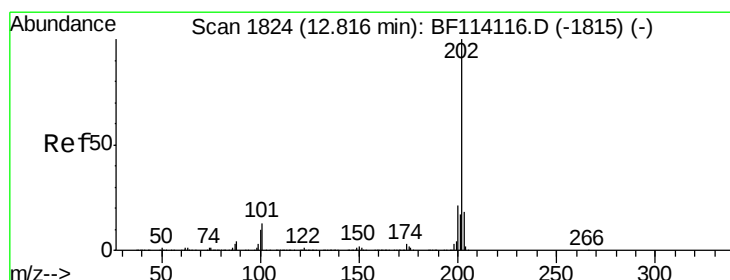
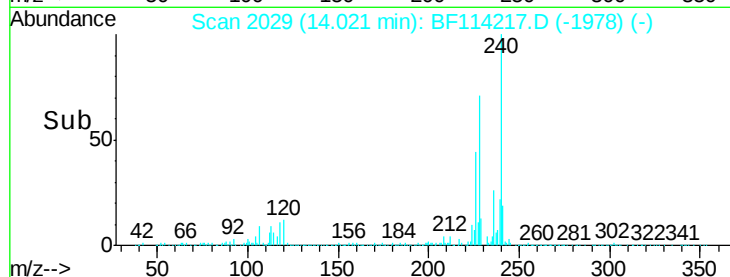
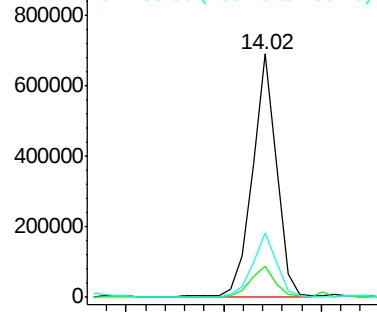
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	8.3	12.5#
236	26.6	20.8	31.2

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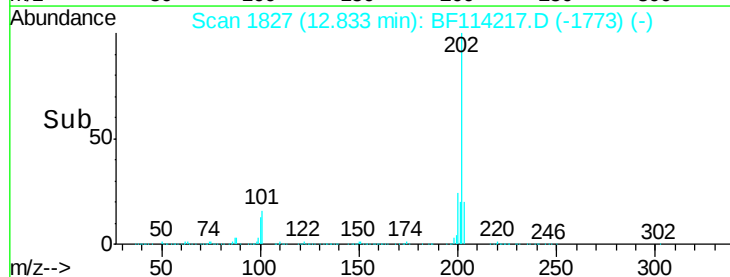
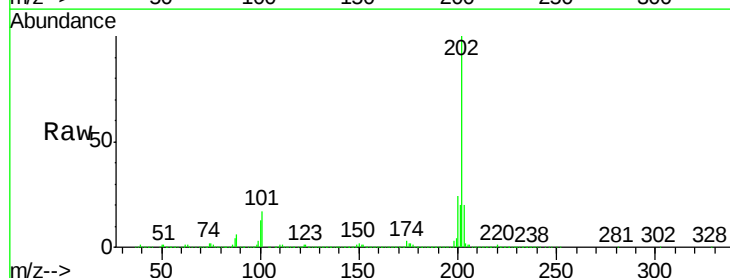
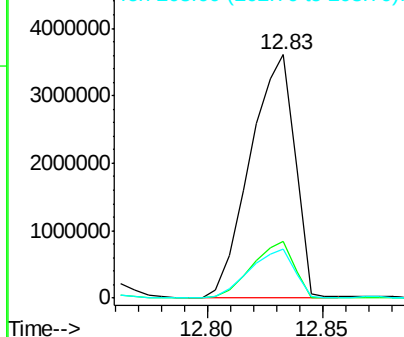
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

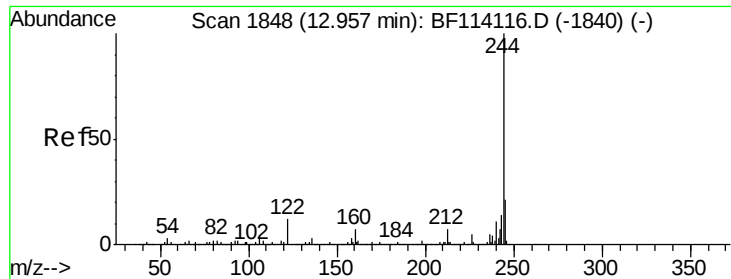


#78
Pyrene
Concen: 102.689 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.02 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.6	16.9	25.3
203	20.0	14.5	21.7

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





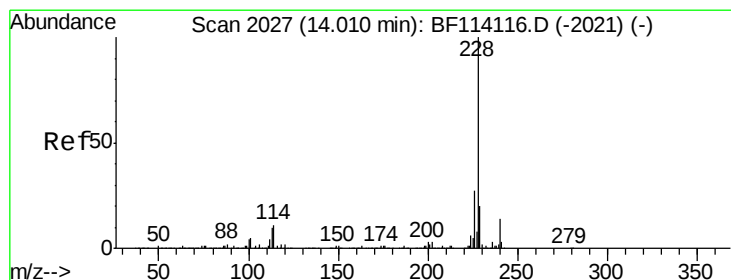
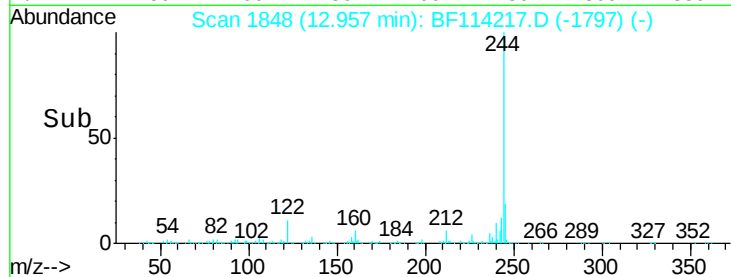
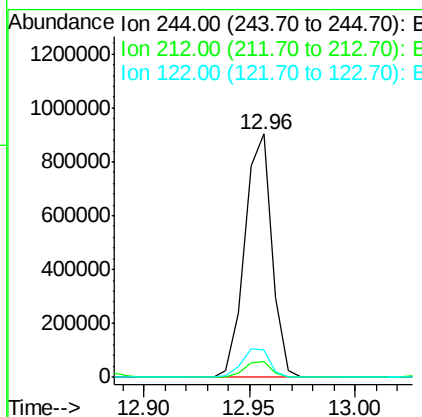
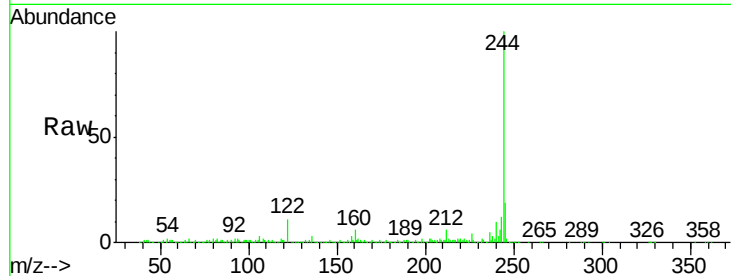
#79
 Terphenyl-d14
 Concen: 28.213 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BF114217.D
 Acq: 13 May 2019 2:58

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-02DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.6
122	11.1	9.4	14.2

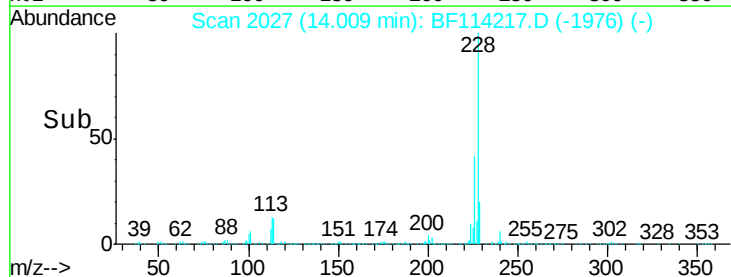
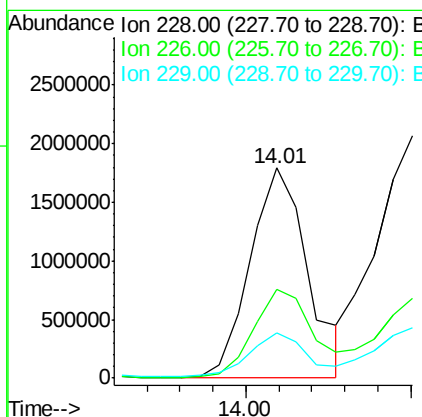
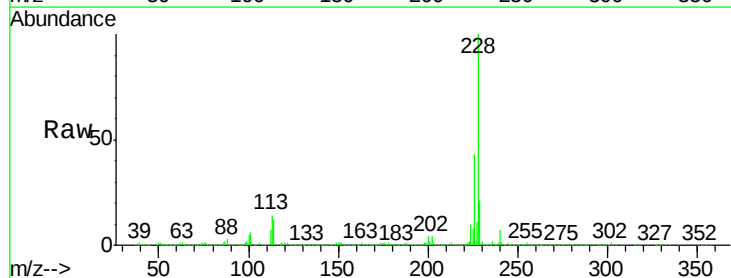
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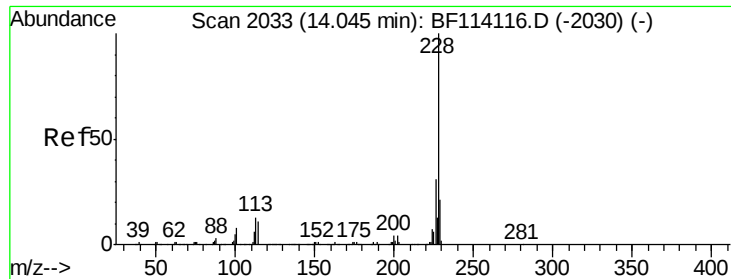
Sohil
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#81
 Benzo(a)anthracene
 Concen: 57.710 ng m
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: BF114217.D
 Acq: 13 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	42.6	22.2	33.2#
229	21.3	16.4	24.6





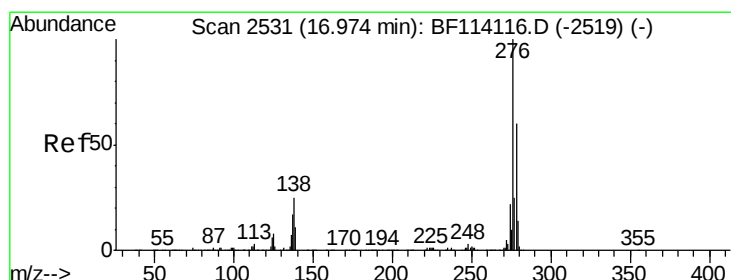
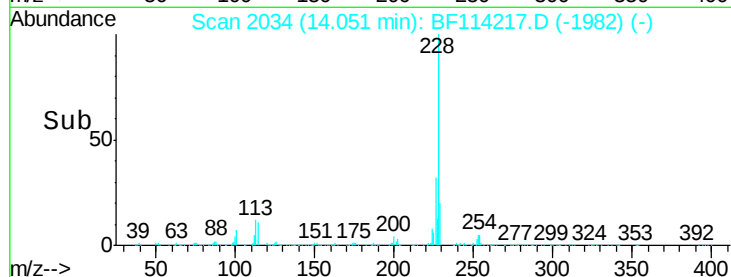
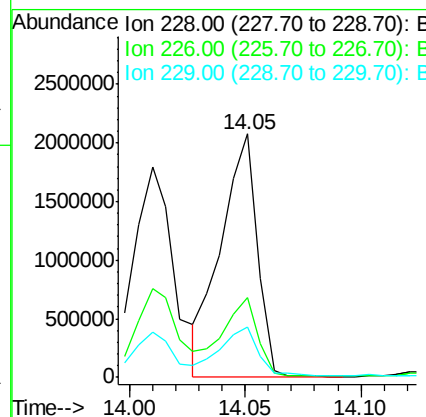
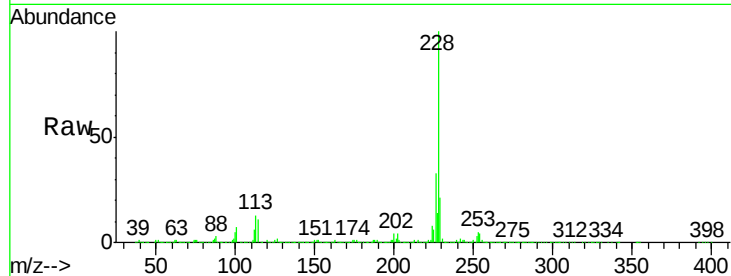
#83
 Chrysene
 Concen: 60.758 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.01 min
 Lab File: BF114217.D
 Acq: 13 May 2019 2:58

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-02DL

Tot Ion:228 Resp: 2254342
 Ion Ratio Lower Upper
 228 100
 226 32.6 25.0 37.6
 229 20.8 17.0 25.6

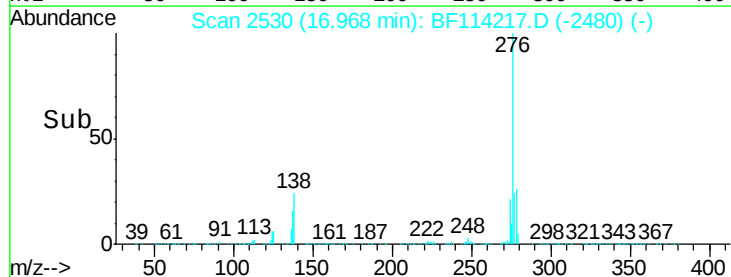
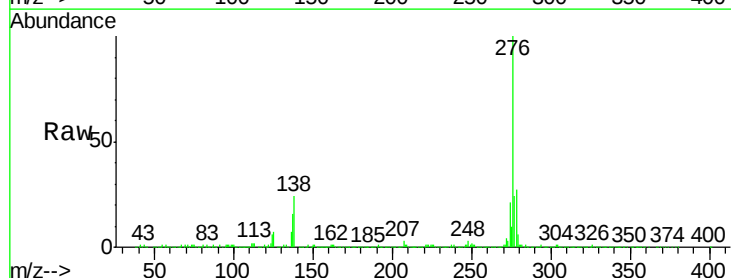
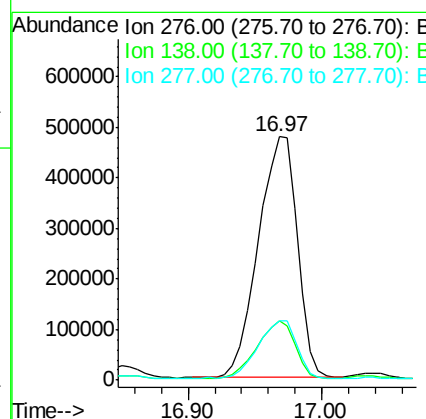
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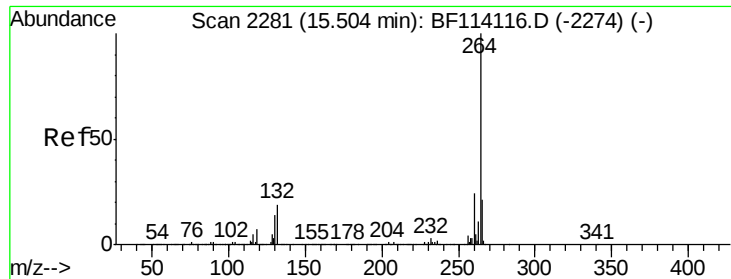
Sohil
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#86
 Indeno(1,2,3-cd)pyrene
 Concen: 29.483 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. -0.01 min
 Lab File: BF114217.D
 Acq: 13 May 2019 2:58

Tgt Ion:276 Resp: 966800
 Ion Ratio Lower Upper
 276 100
 138 23.2 20.2 30.2
 277 24.4 20.0 30.0





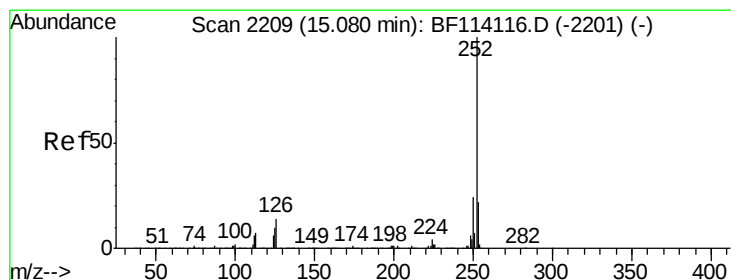
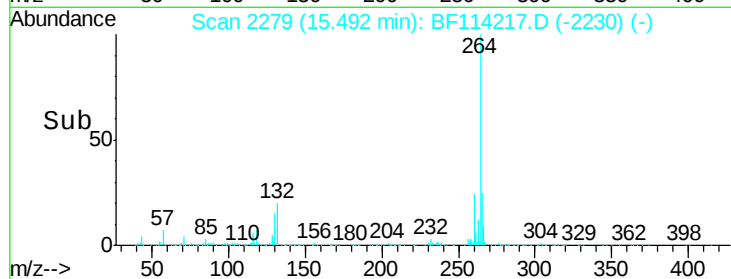
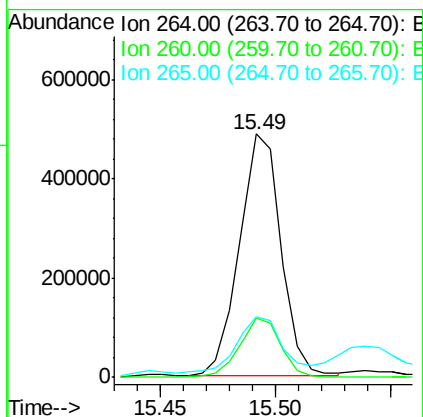
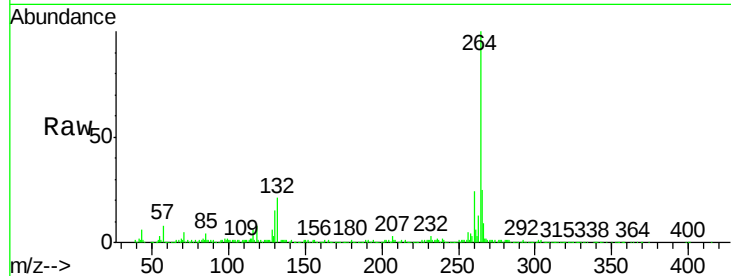
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.0
265	25.1	16.9	25.3

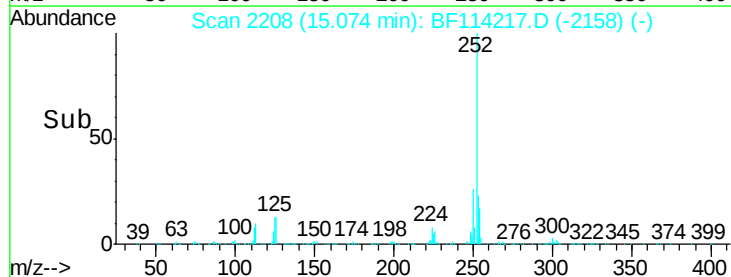
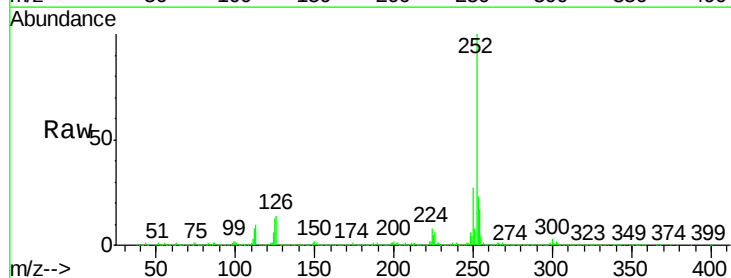
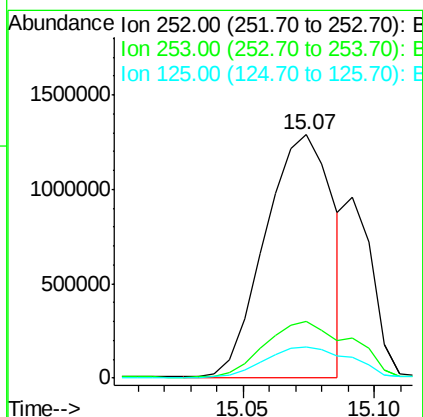
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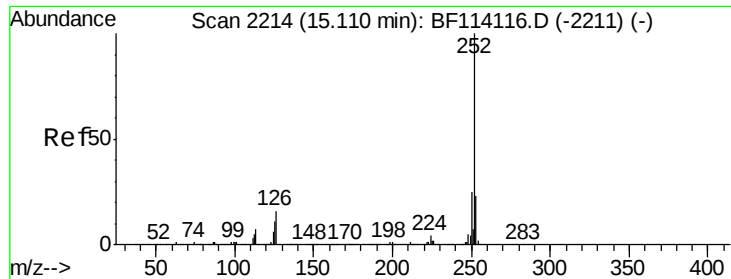
Sohil
5/13/2019 8:37:52 PM



#88
Benzo(b)fluoranthene
Concen: 59.372 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	13.1	8.3	12.5#





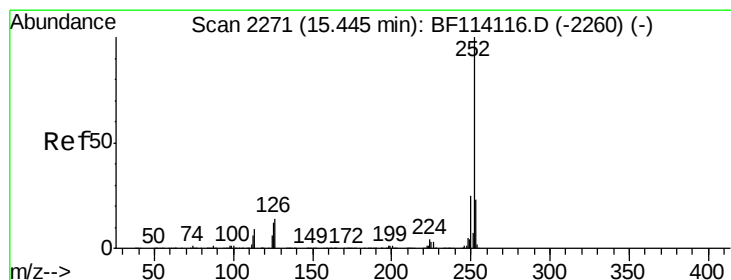
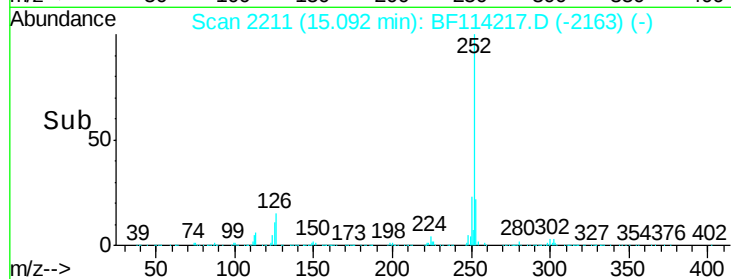
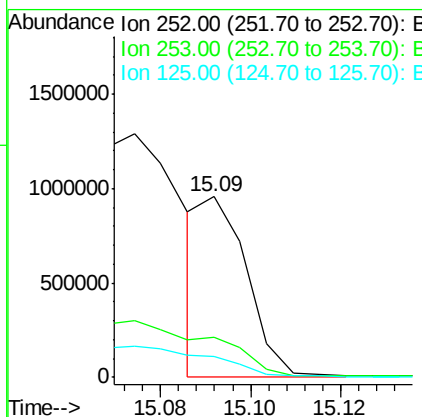
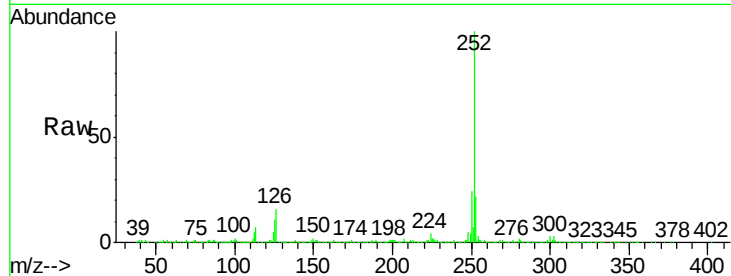
#89
Benzo(k)fluoranthene
Concen: 18.595 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	11.3	8.6	13.0

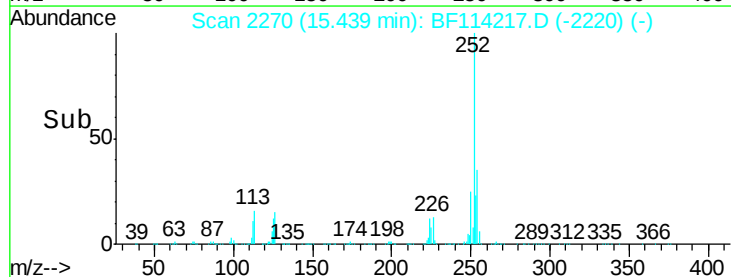
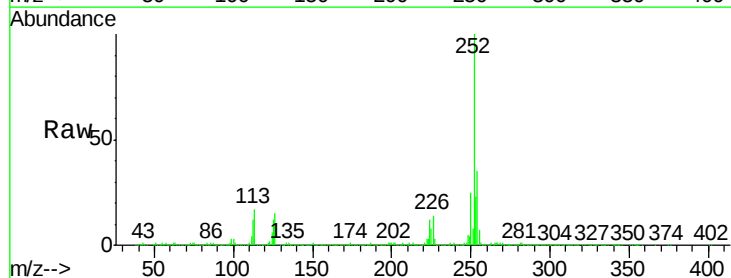
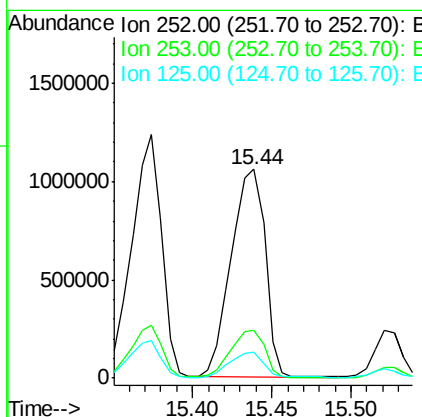
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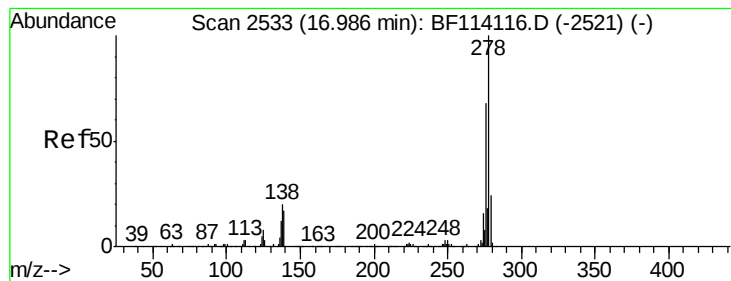
Sohil
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#90
Benzo(a)pyrene
Concen: 45.579 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF114217.D
Acq: 13 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	12.3	9.5	14.3





#91

Dibenzo(a,h)anthracene

Concen: 9.907 ng/mL

RT: 16.97 min Scan# 2531

Delta R.T. -0.01 min

Lab File: BF114217.D

Acq: 13 May 2019 2:58

Instrument :

BNA_F

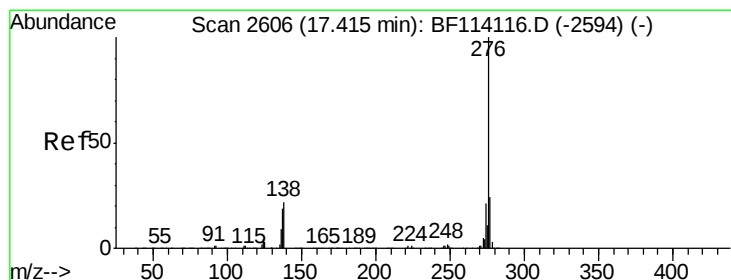
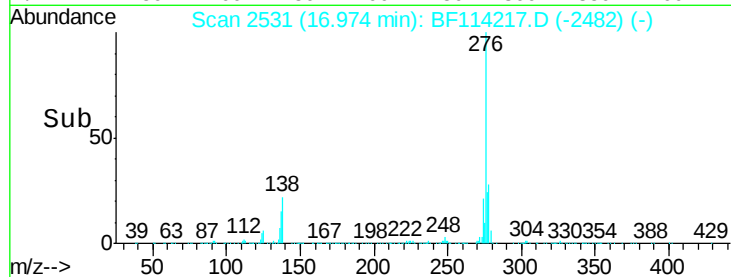
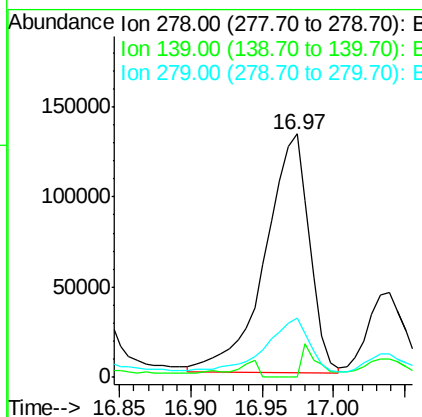
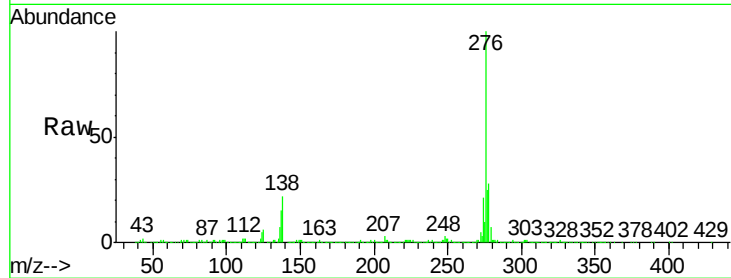
ClientSampleId :

P026-SS006-0002-02DL

Tot Ion:	278	Resp:	284477
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.5	20.3#
279	24.3	19.0	28.6

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#92

Benzo(g,h,i)perylene

Concen: 38.365 ng/mL

RT: 17.42 min Scan# 2607

Delta R.T. 0.01 min

Lab File: BF114217.D

Acq: 13 May 2019 2:58

Tgt Ion:	276	Resp:	1104010
Ion Ratio	Lower	Upper	
276	100		
277	25.3	19.0	28.4
138	23.1	17.8	26.6

