

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
 Data File : BF114886.D
 Acq On : 7 Jun 2019 2:01
 Operator : HP/JU
 Sample : K3097-10DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0430-HR-10(HACKENSACK)DL

Manual Integrations
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Quant Time: Jun 07 04:17:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	403050	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1484026	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	649557	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1060843	20.00	ng	0.00
76) Chrysene-d12	13.80	240	692255	20.00	ng	0.00
87) Perylene-d12	15.18	264	603561	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	715584	31.02	ng	0.00
7) Phenol-d6	6.30	99	871995	31.07	ng	0.00
23) Nitrobenzene-d5	7.23	82	467785	19.40	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	169796	24.26	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	924585	26.66	ng	0.00
79) Terphenyl-d14	12.75	244	730734	20.53	ng	0.00

Target Compounds				Qvalue		
49) Acenaphthylene	9.56	152	123320	2.079	ng	95
50) Dimethylphthalate	9.42	163	107763	2.272	ng	99
52) Acenaphthene	9.73	154	517790	13.324	ng	98
55) Dibenzofuran	9.90	168	489069	9.051	ng	92
58) Fluorene	10.25	166	608432	10.513	ng	99
71) Phenanthrene	11.20	178	2513272	49.627	ng	98
72) Anthracene	11.25	178	857447	16.088	ng	95
75) Fluoranthene	12.39	202	3168222	60.106	ng	98
78) Pyrene	12.61	202	2623849	43.692	ng	99
81) Benzo(a)anthracene	13.79	228	1338206	25.086	ng	98
83) Chrysene	13.83	228	1090283	21.010	ng	97
86) Indeno(1,2,3-cd)pyrene	16.49	276	226878	3.832	ng	96
88) Benzo(b)fluoranthene	14.80	252	938754m	24.432	ng	
89) Benzo(k)fluoranthene	14.82	252	367581m	11.265	ng	
90) Benzo(a)pyrene	15.13	252	607188	18.257	ng	99
91) Dibenzo(a,h)anthracene	16.50	278	75600	2.400	ng	# 89
92) Benzo(a,h,i)perylene	16.88	276	183522	5.794	ng	98

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

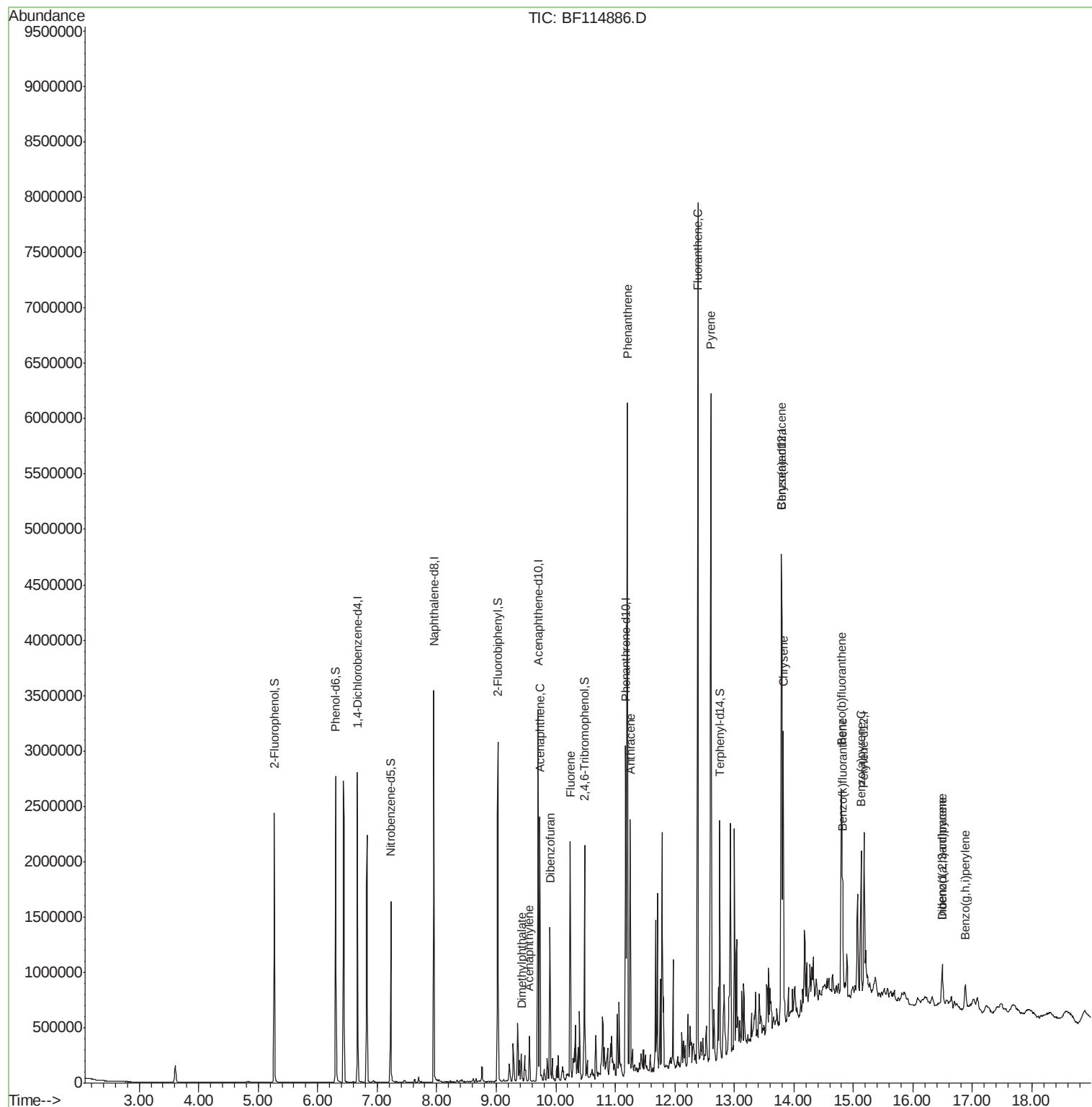
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114886.D
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ALS Vial : 23 Sample Multiplier: 1

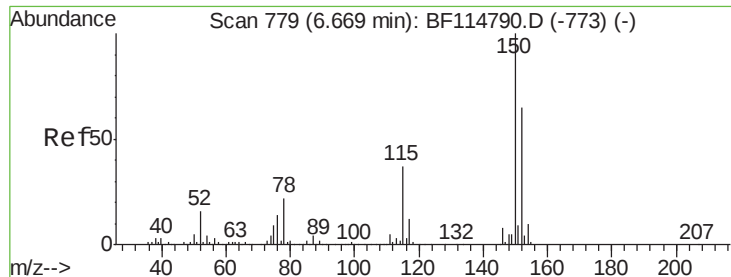
Instrument :
BNA_F
ClientSampleId :
0430-HR-10(HACKENSACK)DL

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Quant Time: Jun 07 04:17:39 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

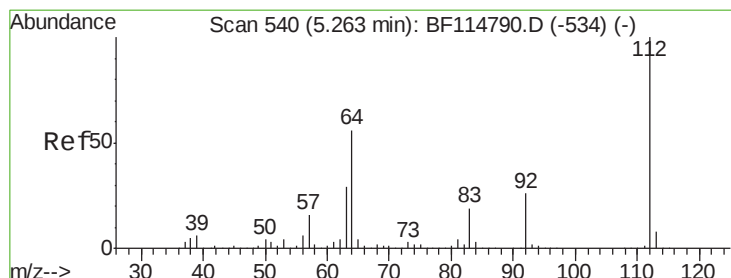
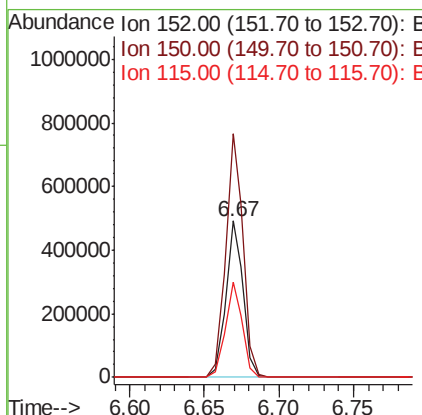
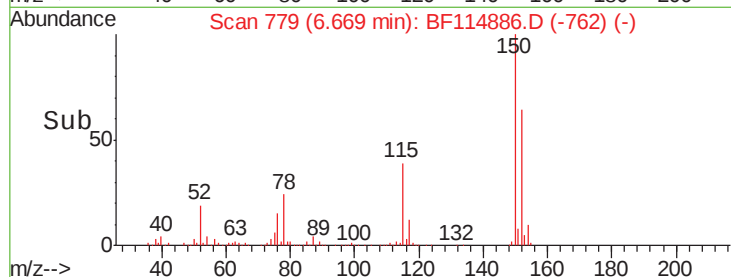
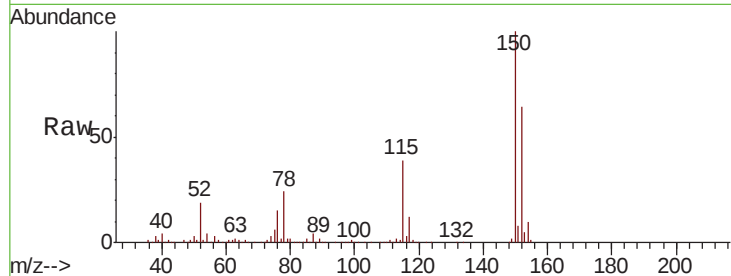
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114886.D
Acq: 7 Jun 2019 2:01

Instrument :
BNA_F
ClientSampleId :
0430-HR-10(HACKENSACK)DL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	403050		
150	156.0	124.0	186.0	
115	61.2	46.3	69.5	

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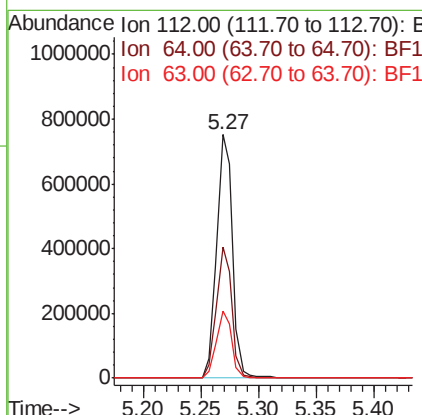
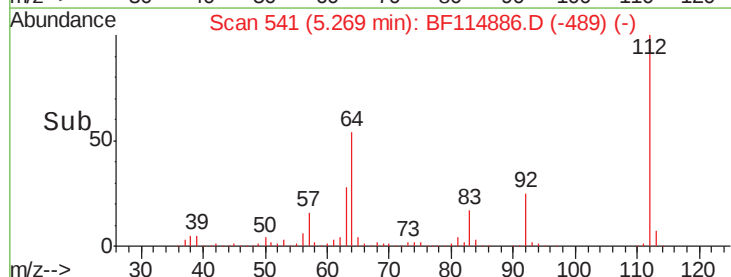
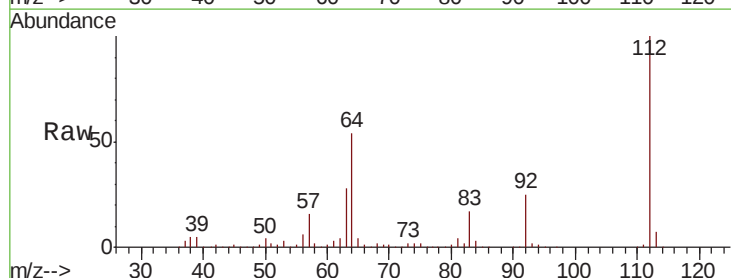
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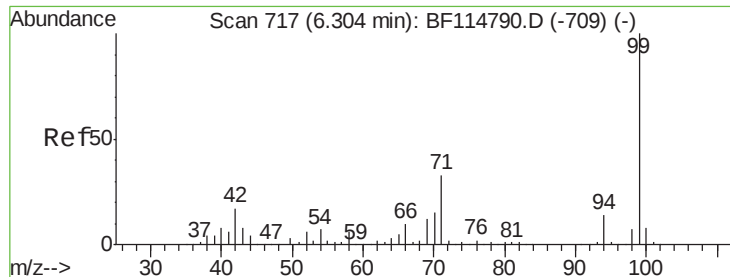


#5

2-Fluorophenol
Concen: 31.023 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114886.D
Acq: 7 Jun 2019 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	715584		
64	54.0	44.6	66.8	
63	27.6	23.0	34.4	





#7

Phenol-d6

Concen: 31.068 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114886.D

Acq: 7 Jun 2019 2:01

Instrument :

BNA_F

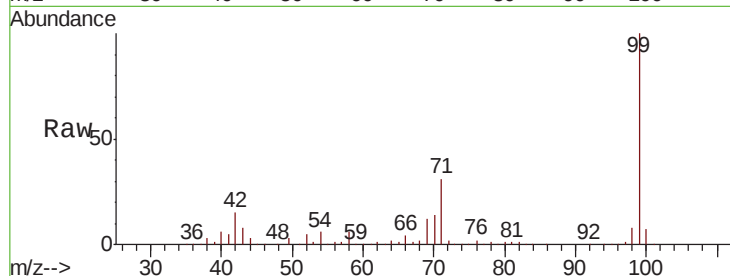
ClientSampleId :

0430-HR-10(HACKENSACK)DL

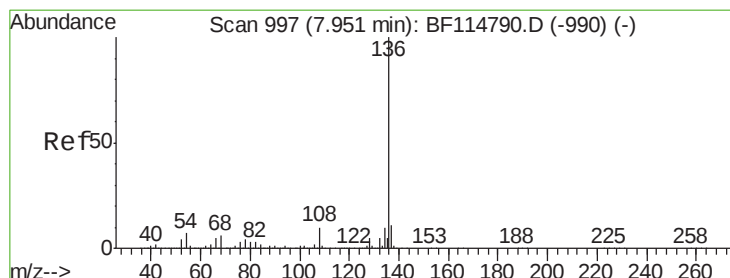
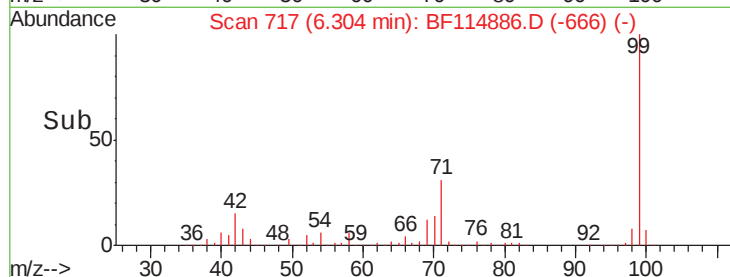
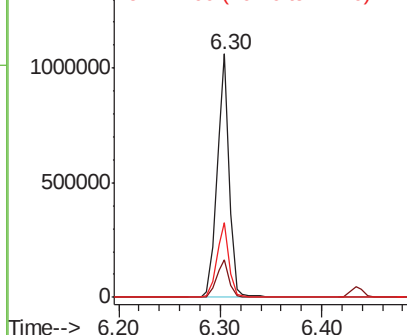
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		871995		
42	15.5	13.3	19.9		
71	30.9	26.3	39.5		

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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: 7.95 min Scan# 997

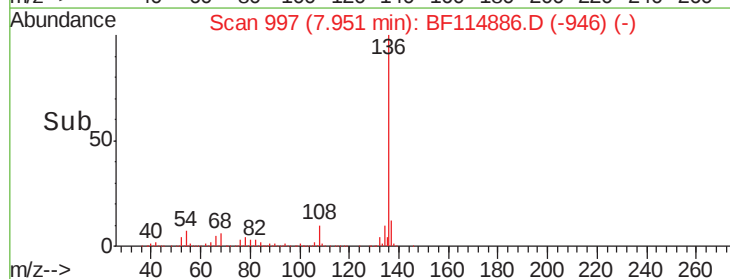
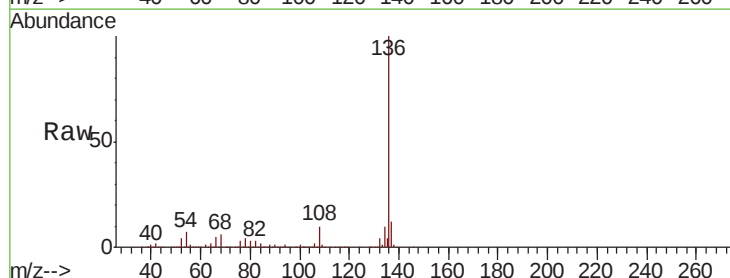
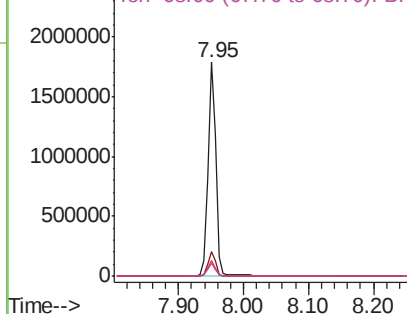
Delta R.T. 0.00 min

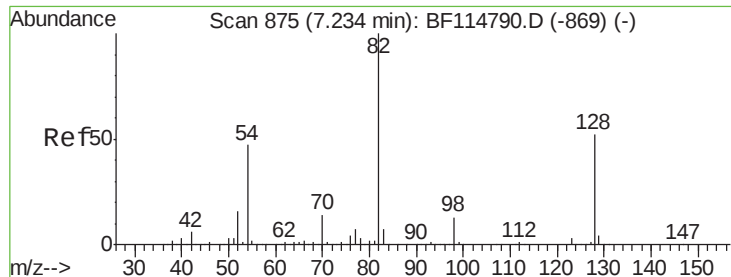
Lab File: BF114886.D

Acq: 7 Jun 2019 2:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1484026		
137	11.6	9.1	13.7		
54	7.2	5.4	8.0		
68	6.3	4.6	6.8		

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





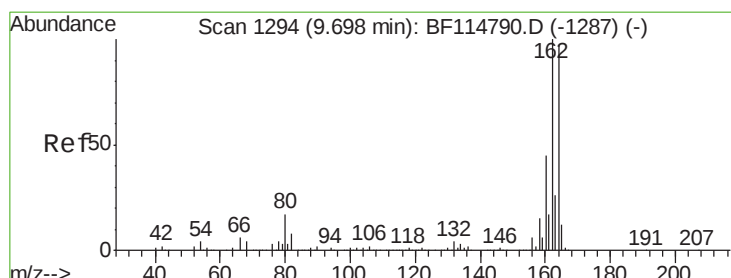
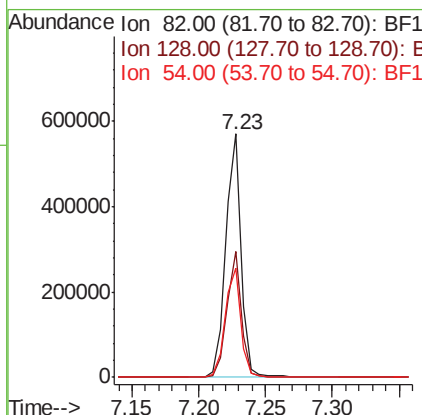
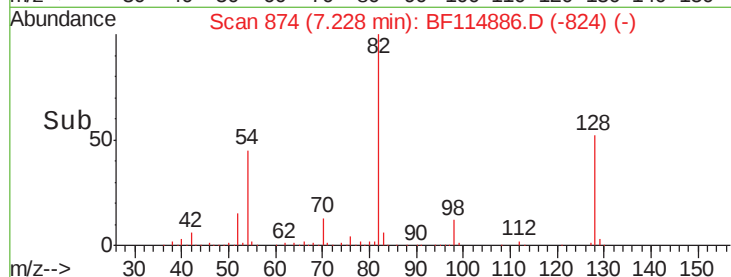
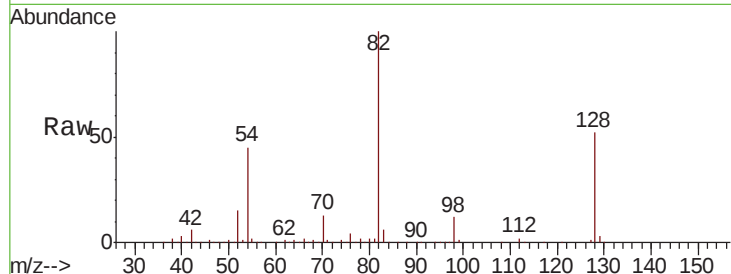
#23
Nitrobenzene-d5
Concen: 19.404 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114886.D
Acq: 7 Jun 2019 2:01

Instrument :
BNA_F
ClientSampleId :
0430-HR-10(HACKENSACK)DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	467785		
128	51.7	41.8	62.6	
54	44.7	37.9	56.9	

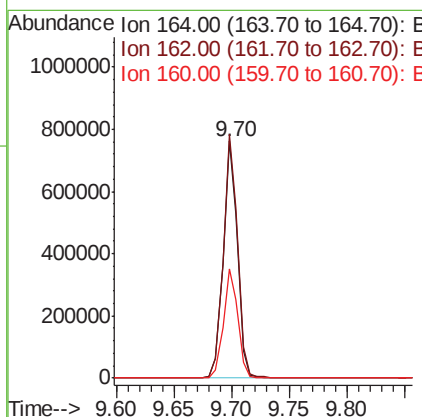
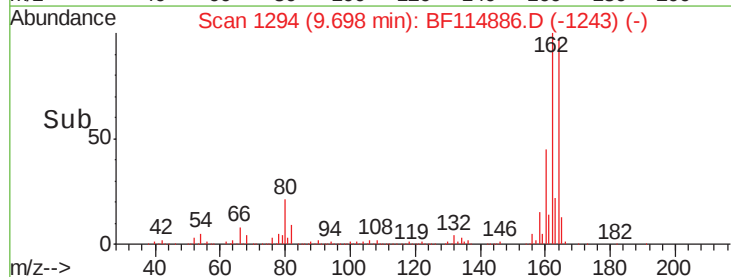
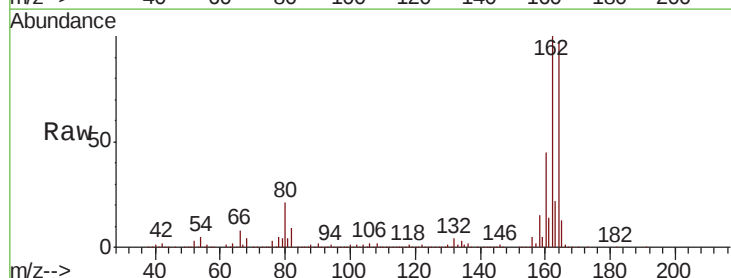
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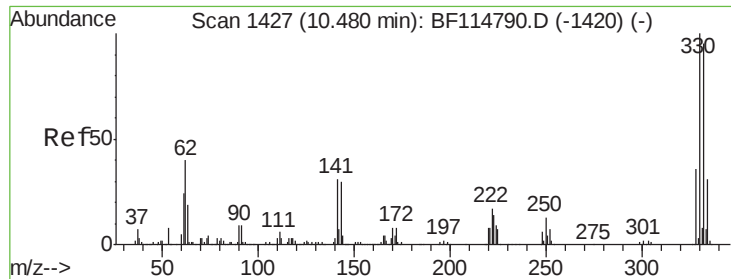
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF114886.D
Acq: 7 Jun 2019 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	649557		
162	102.8	82.3	123.5	
160	46.1	36.7	55.1	





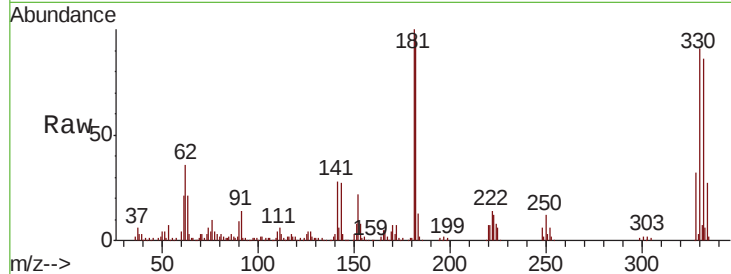
#42
 2,4,6-Tribromophenol
 Concen: 24.257 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: BF114886.D
 Acq: 7 Jun 2019 2:01

Instrument :
 BNA_F
 ClientSampleId :
 0430-HR-10(HACKENSACK)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	169796		
332	95.8	77.3	115.9	
141	34.9	26.2	39.4	

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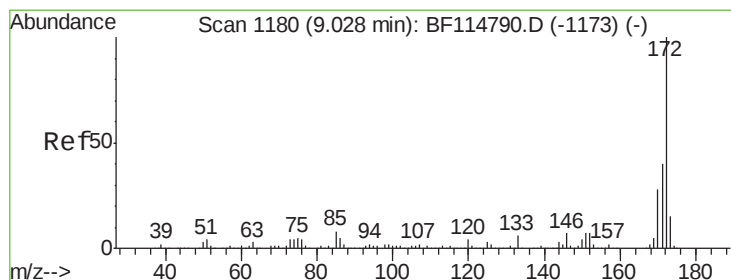
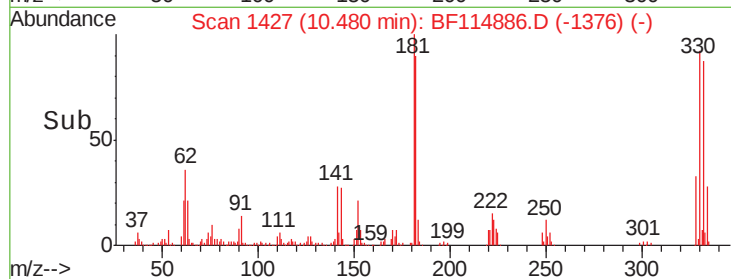
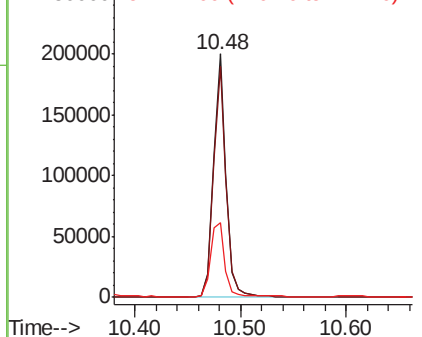


Abundance

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: 26.664 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: BF114886.D
 Acq: 7 Jun 2019 2:01

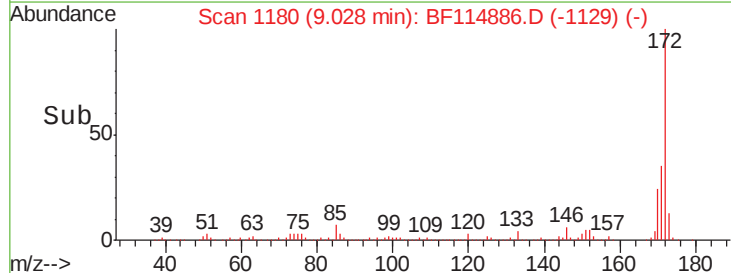
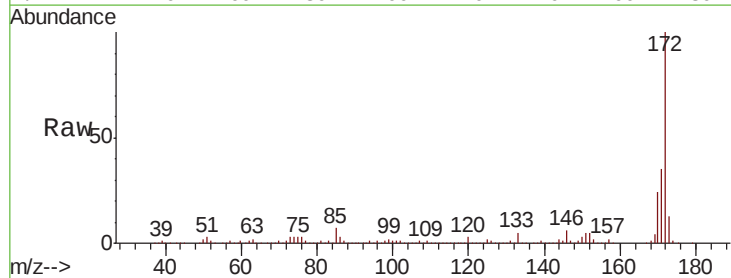
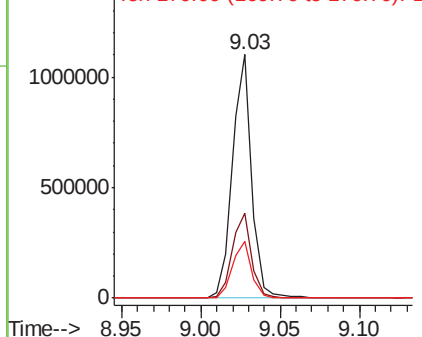
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	924585		
171	35.1	32.3	48.5	
170	23.5	22.4	33.6	

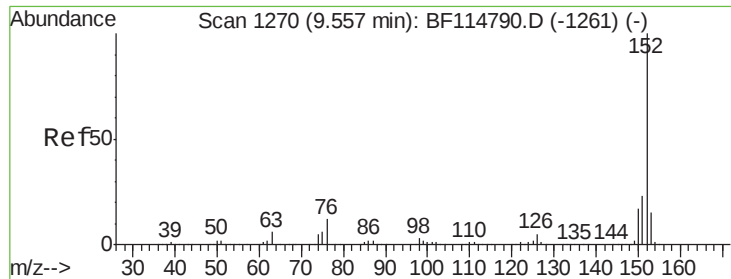
Abundance

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: 2.079 ng

RT: 9.56 min Scan# 1270

Delta R.T. 0.00 min

Lab File: BF114886.D

Acq: 7 Jun 2019 2:01

Instrument :

BNA_F

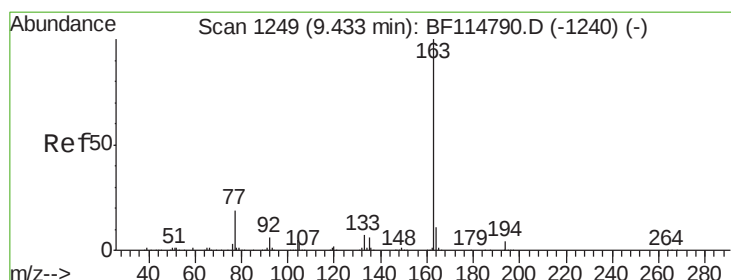
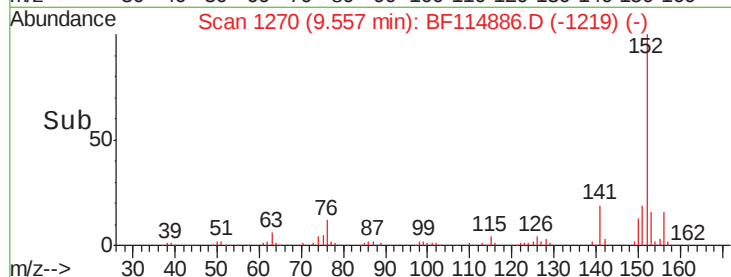
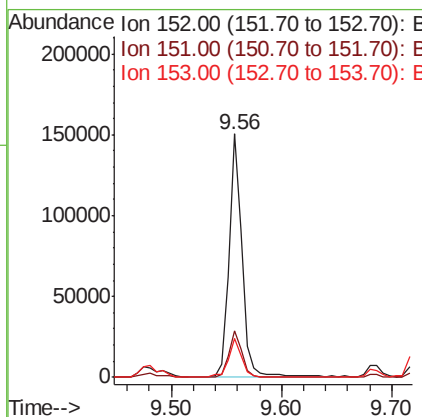
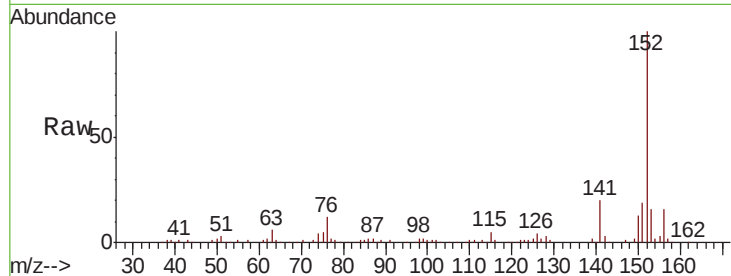
ClientSampleId :

0430-HR-10(HACKENSACK)DL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	123320		
151	19.1		18.3	27.5
153	15.8		12.3	18.5

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#50

Dimethylphthalate

Concen: 2.272 ng

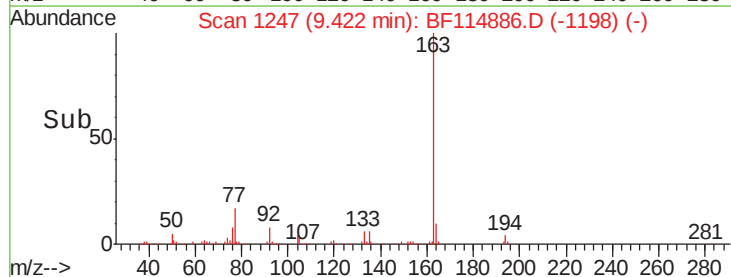
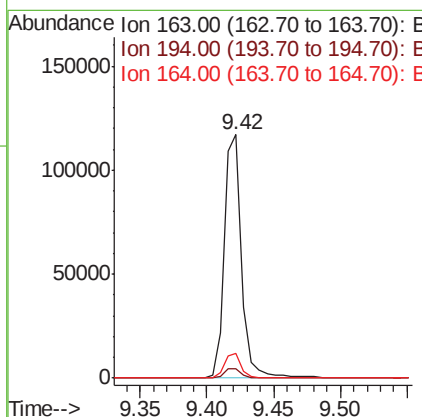
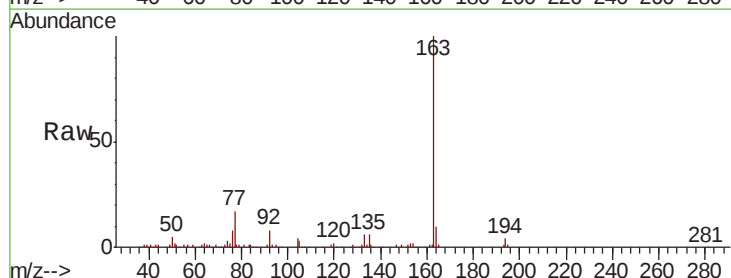
RT: 9.42 min Scan# 1247

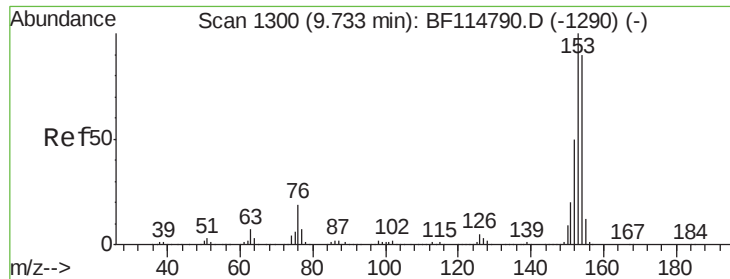
Delta R.T. -0.01 min

Lab File: BF114886.D

Acq: 7 Jun 2019 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	107763		
194	3.9		3.4	5.2
164	10.3		8.6	13.0





#52

Acenaphthene

Concen: 13.324 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BF114886.D

Acq: 7 Jun 2019 2:01

Instrument :

BNA_F

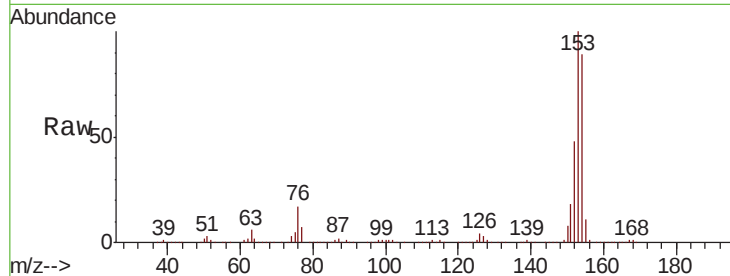
ClientSampleId :

0430-HR-10(HACKENSACK)DL

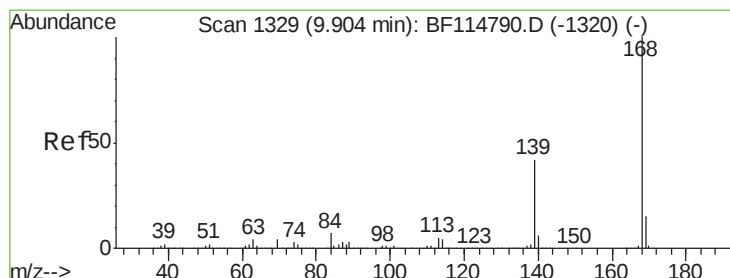
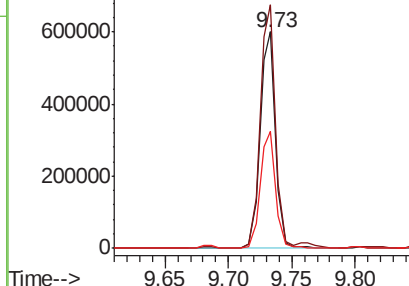
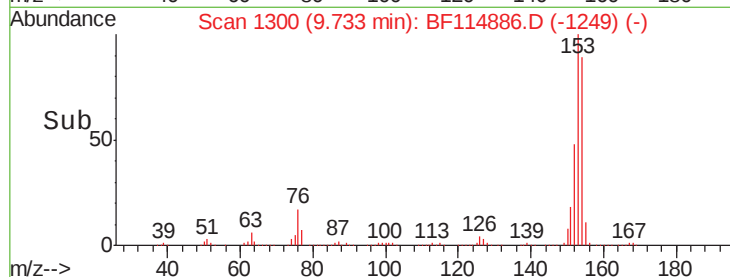
Tot Ion:	154	Resp:	517790
Ion Ratio	Lower	Upper	
154	100		
153	112.6	88.5	132.7
152	54.2	44.1	66.1

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 9.051 ng

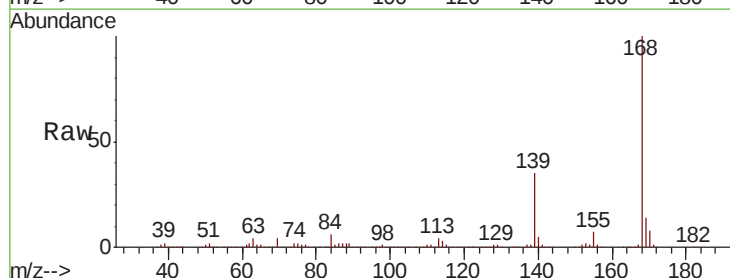
RT: 9.90 min Scan# 1329

Delta R.T. 0.00 min

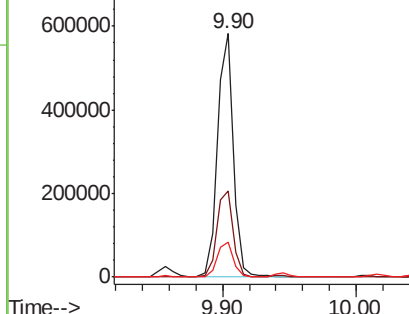
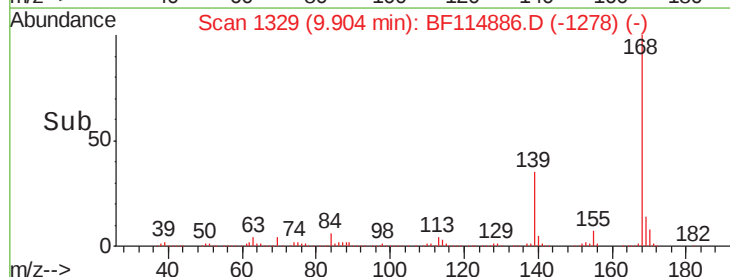
Lab File: BF114886.D

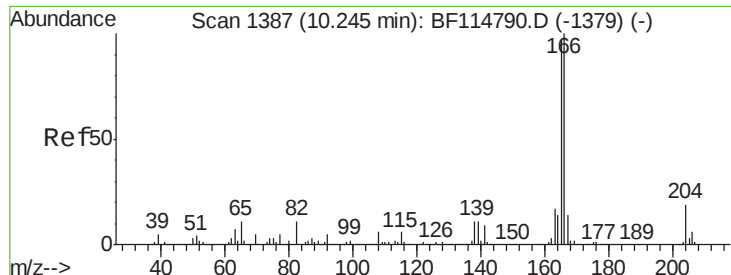
Acq: 7 Jun 2019 2:01

Tgt Ion:	168	Resp:	489069
Ion Ratio	Lower	Upper	
168	100		
139	35.5	33.8	50.6
169	14.4	11.9	17.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





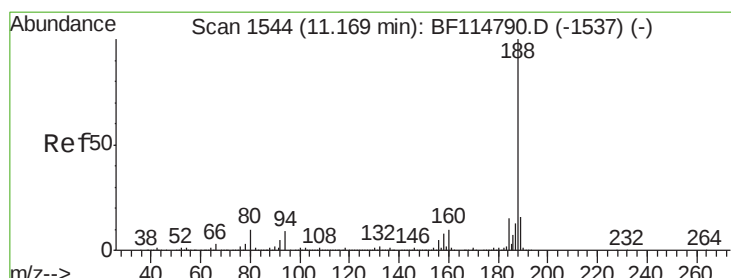
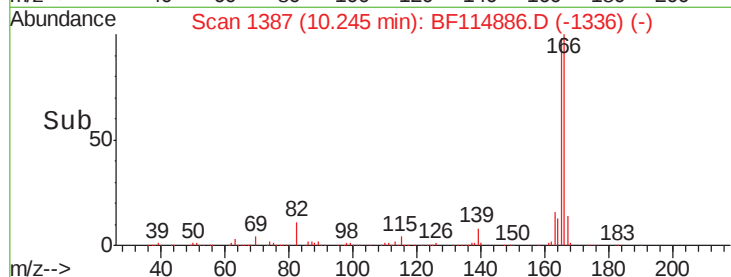
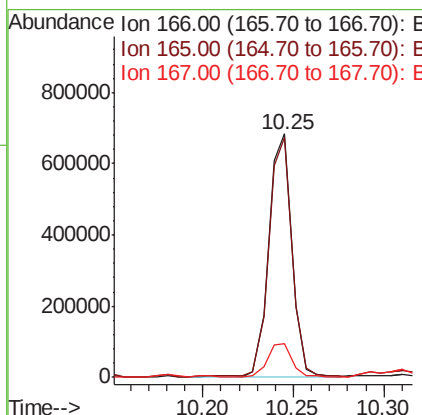
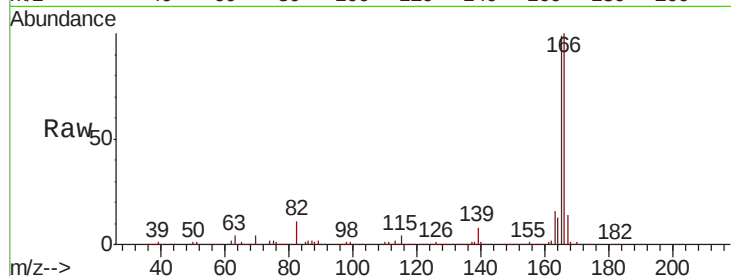
#58
 Fluorene
 Concen: 10.513 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: BF114886.D
 Acq: 7 Jun 2019 2:01

Instrument :
 BNA_F
 ClientSampleId :
 0430-HR-10(HACKENSACK)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		608432		
165	98.6	77.9	116.9		
167	13.7	11.3	16.9		

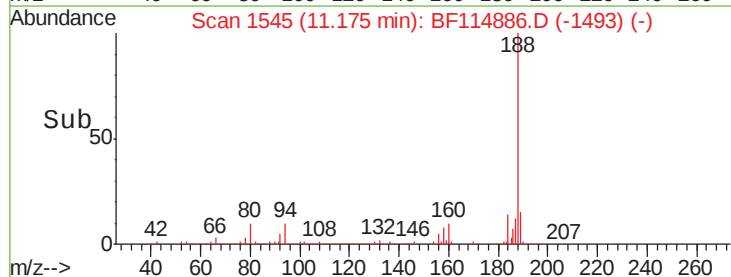
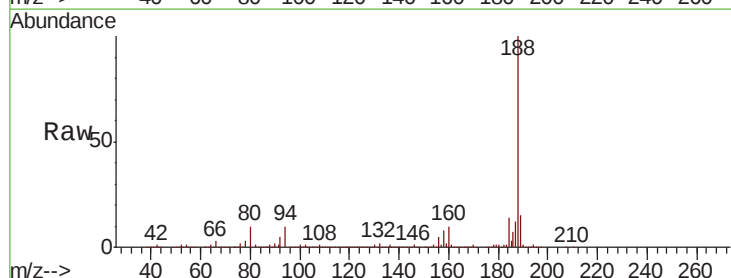
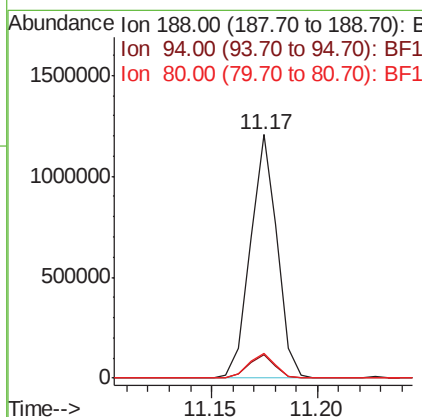
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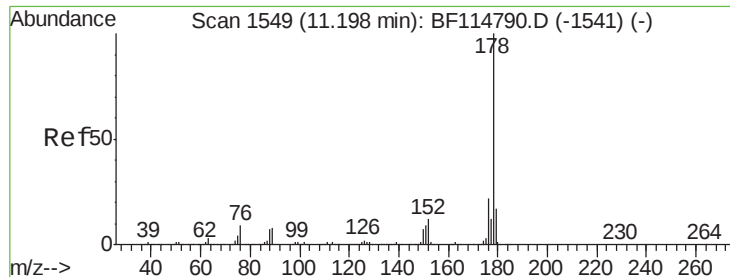
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. 0.01 min
 Lab File: BF114886.D
 Acq: 7 Jun 2019 2:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		1060843		
94	9.9	7.6	11.4		
80	10.4	8.3	12.5		





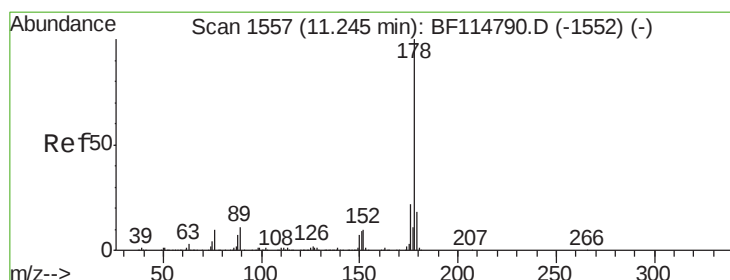
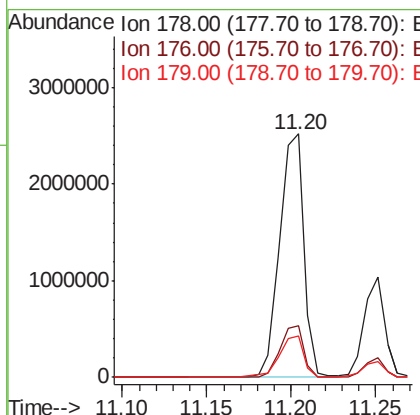
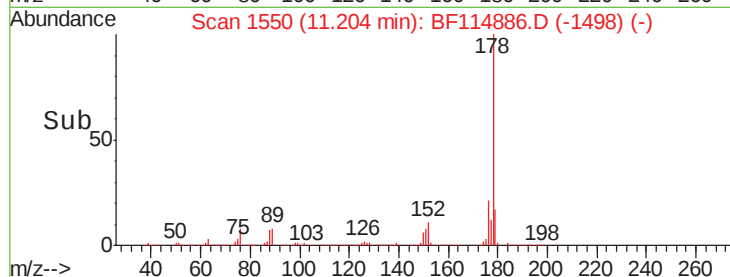
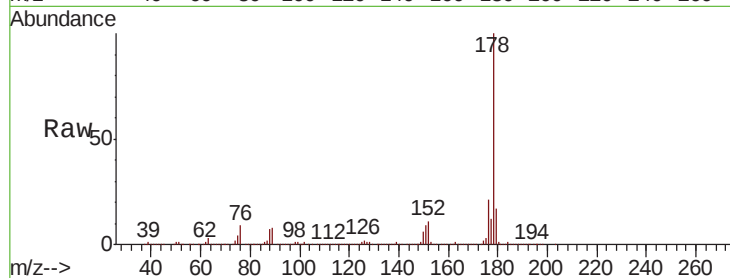
#71
Phenanthrene
Concen: 49.627 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.01 min
Lab File: BF114886.D
Acq: 7 Jun 2019 2:01

Instrument :
BNA_F
ClientSampleId :
0430-HR-10(HACKENSACK)DL

Tot Ion:178 Resp: 2513272
Ion Ratio Lower Upper
178 100
176 21.0 17.7 26.5
179 16.8 13.7 20.5

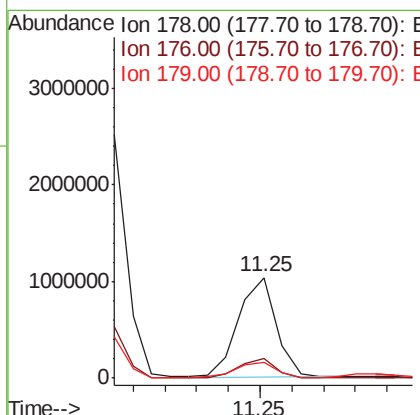
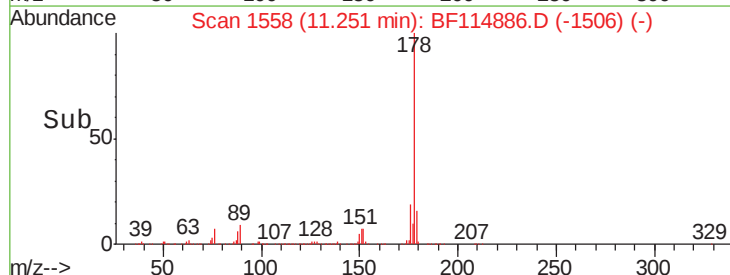
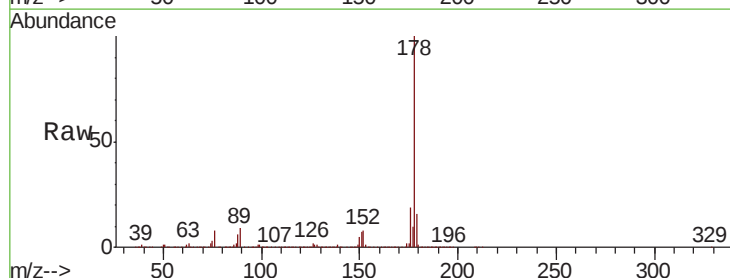
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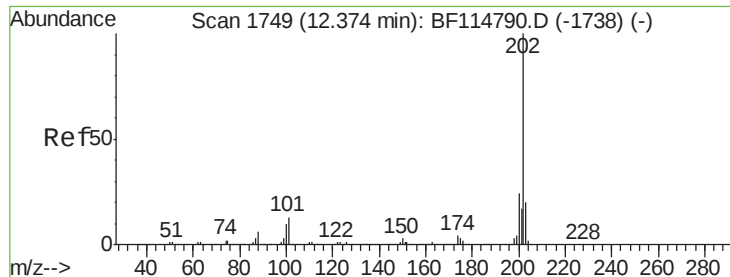
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#72
Anthracene
Concen: 16.088 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF114886.D
Acq: 7 Jun 2019 2:01

Tgt Ion:178 Resp: 857447
Ion Ratio Lower Upper
178 100
176 19.1 17.4 26.0
179 15.9 14.2 21.4





#75

Fluoranthene

Concen: 60.106 ng

RT: 12.39 min Scan# 1751

Delta R.T. 0.01 min

Lab File: BF114886.D

Acq: 7 Jun 2019 2:01

Instrument :

BNA_F

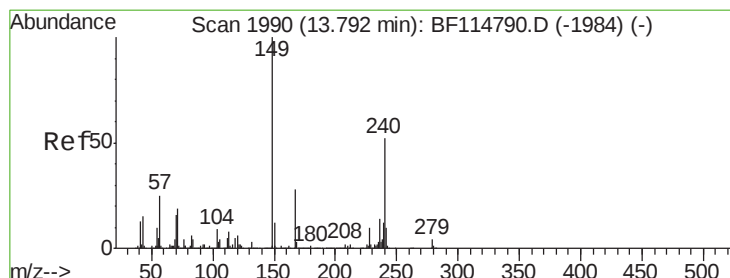
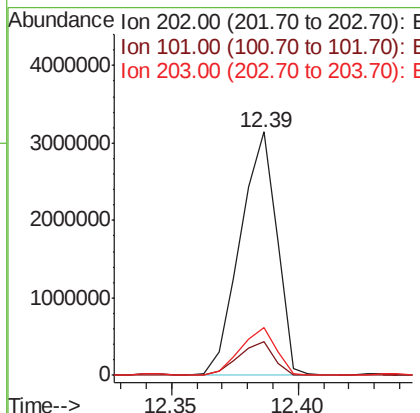
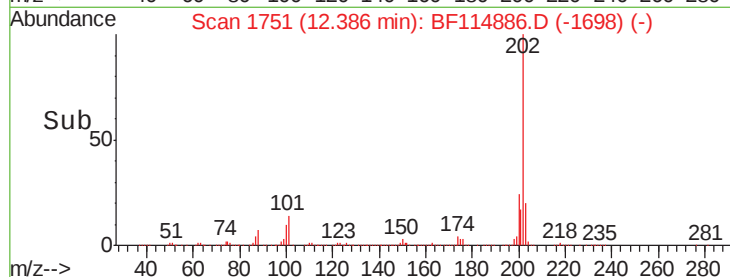
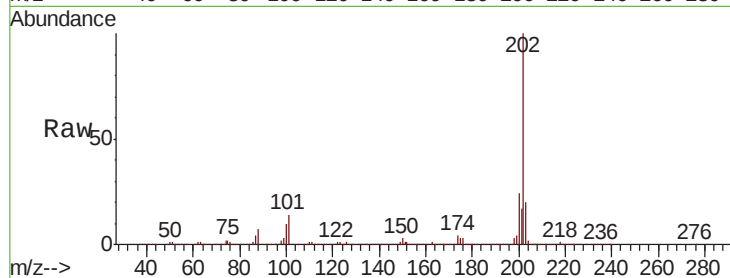
ClientSampleId :

0430-HR-10(HACKENSACK)DL

Tot Ion:	202	Resp:	3168222
Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	32.8
203	19.9	0.2	40.2

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#76

Chrysene-d12

Concen: 20.000 ng

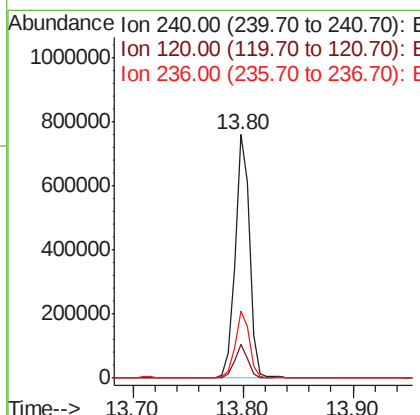
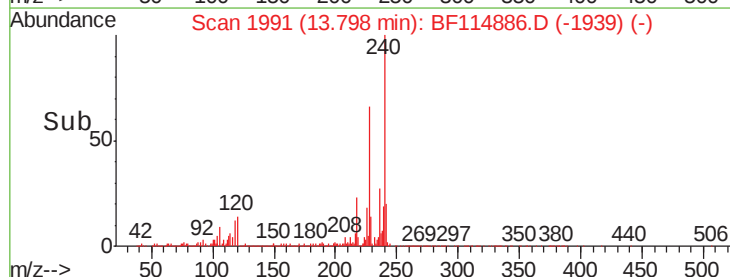
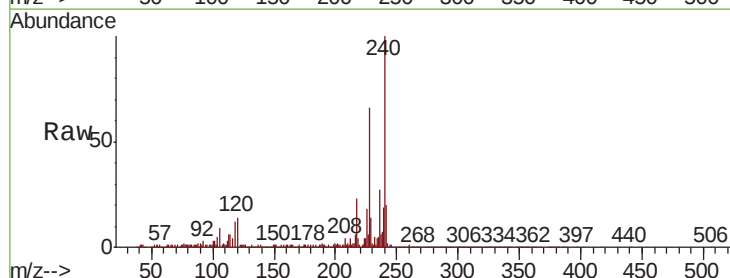
RT: 13.80 min Scan# 1991

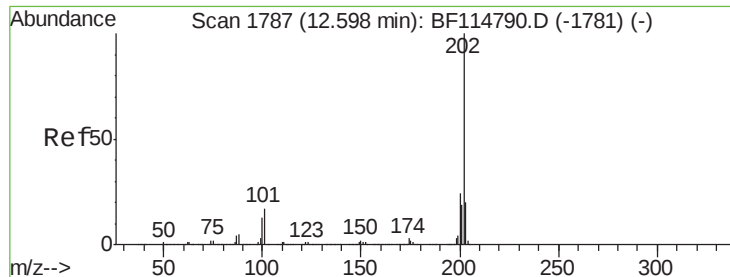
Delta R.T. 0.01 min

Lab File: BF114886.D

Acq: 7 Jun 2019 2:01

Tgt Ion:	240	Resp:	692255
Ion	Ratio	Lower	Upper
240	100		
120	13.8	9.0	13.4#
236	27.5	21.4	32.0





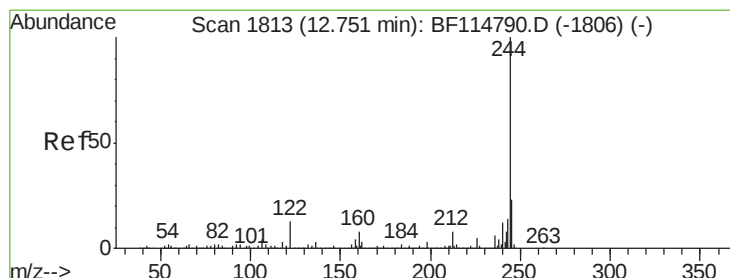
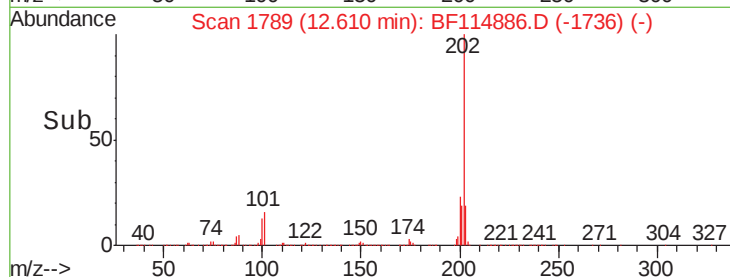
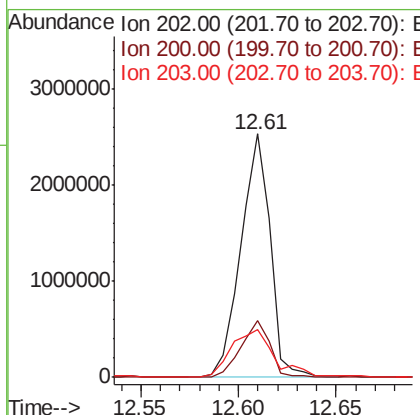
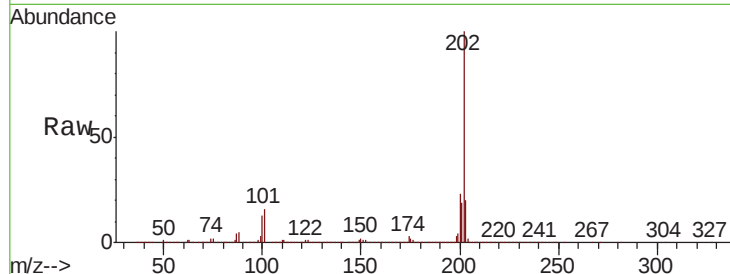
#78
Pvrene
Concen: 43.692 ng
RT: 12.61 min Scan# 1789
Delta R.T. 0.01 min
Lab File: BF114886.D
Acq: 7 Jun 2019 2:01

Instrument :
BNA_F
ClientSampleId :
0430-HR-10(HACKENSACK)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.2	19.2	28.8
203	19.6	15.9	23.9

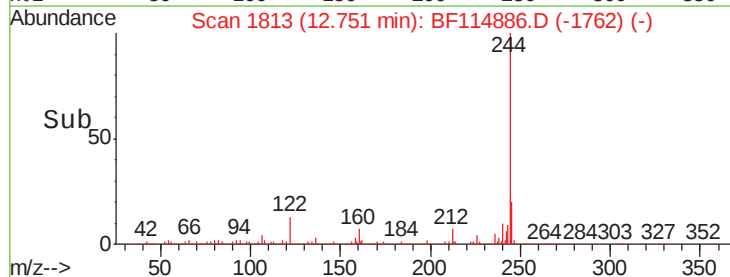
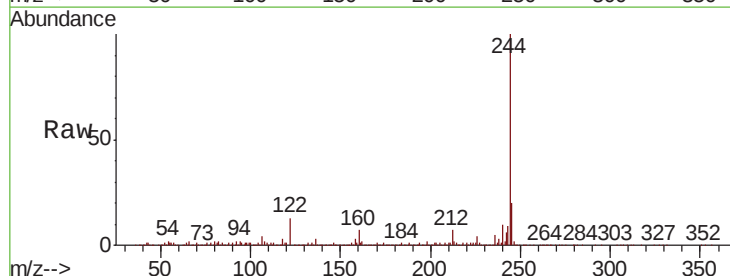
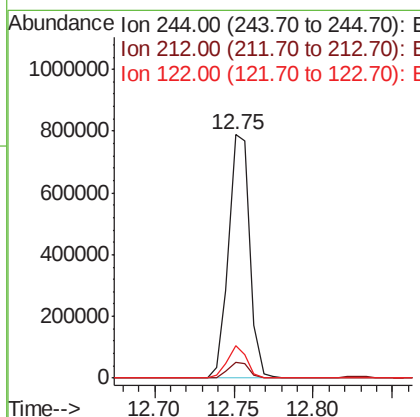
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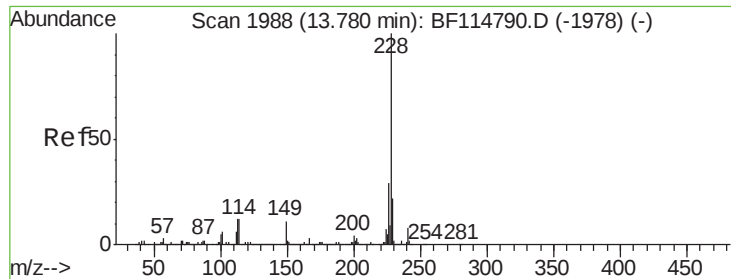
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#79
Terphenyl-d14
Concen: 20.529 ng
RT: 12.75 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BF114886.D
Acq: 7 Jun 2019 2:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.5	9.7
122	13.1	10.5	15.7





#81

Benzo(a)anthracene

Concen: 25.086 ng

RT: 13.79 min Scan# 1990

Delta R.T. 0.01 min

Lab File: BF114886.D

Acq: 7 Jun 2019 2:01

Instrument :

BNA_F

ClientSampleId :

0430-HR-10(HACKENSACK)DL

Tot Ion:228 Resp: 1338206

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.2

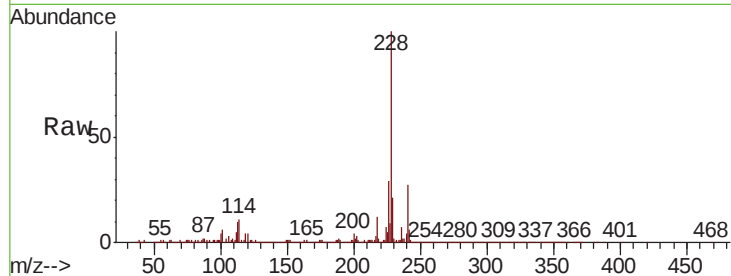
229 20.5 17.4 26.0

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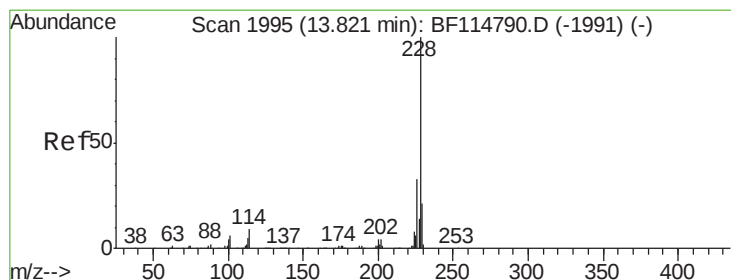
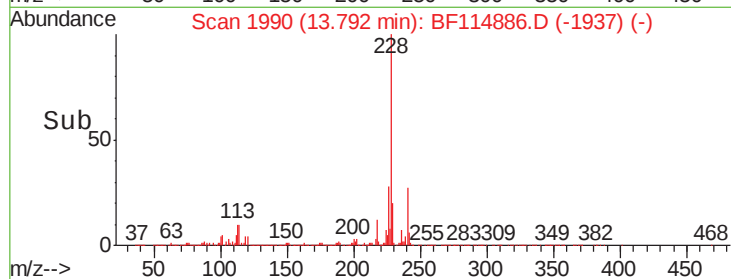
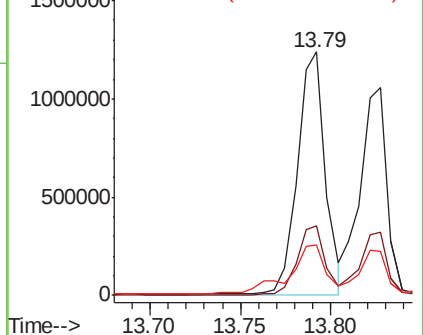
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 21.010 ng

RT: 13.83 min Scan# 1996

Delta R.T. 0.01 min

Lab File: BF114886.D

Acq: 7 Jun 2019 2:01

Tgt Ion:228 Resp: 1090283

Ion Ratio Lower Upper

228 100

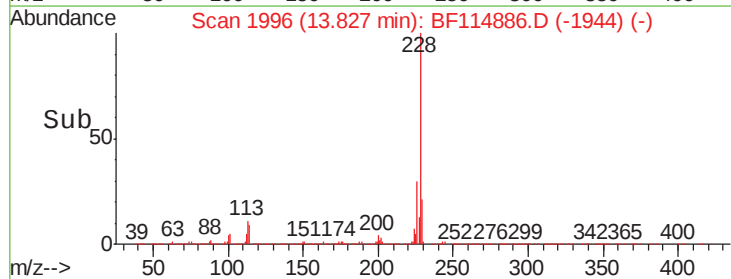
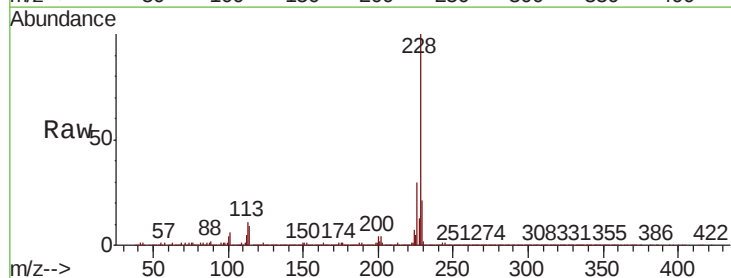
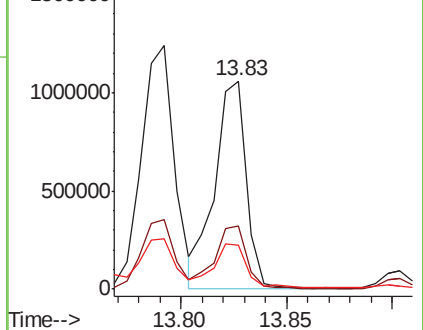
226 30.2 26.0 39.0

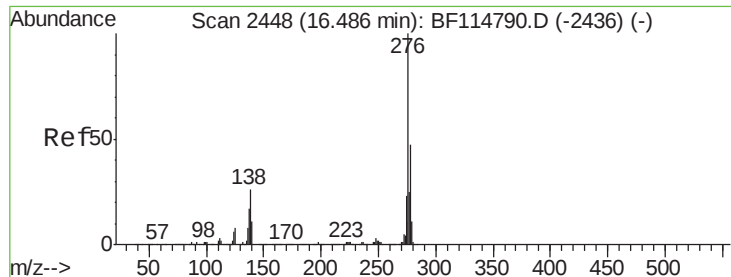
229 21.3 17.1 25.7

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





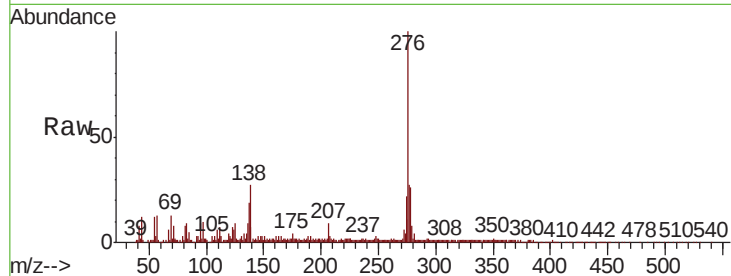
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.832 ng
RT: 16.49 min Scan# 2449
Delta R.T. 0.01 min
Lab File: BF114886.D
Acq: 7 Jun 2019 2:01

Instrument :
BNA_F
ClientSampleId :
0430-HR-10(HACKENSACK)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.8	22.2	33.4
277	26.6	20.6	30.8

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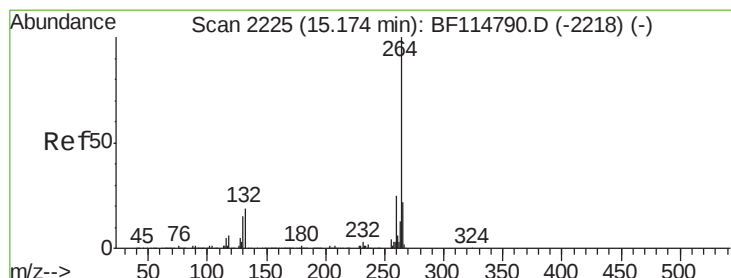
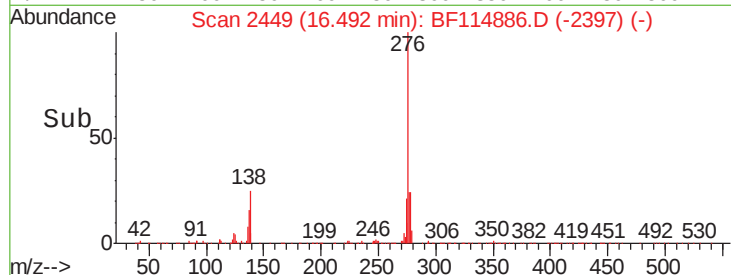
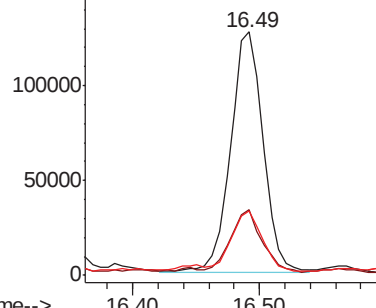


Abundance

Ion 276.00 (275.70 to 276.70): E

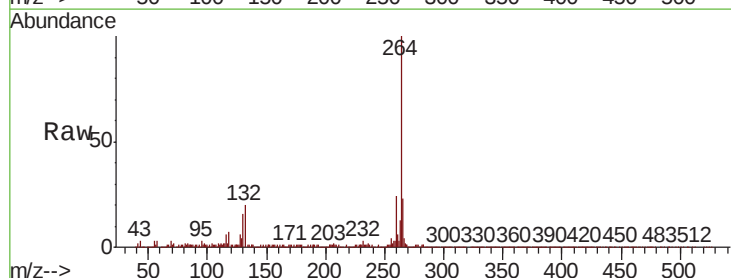
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.18 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF114886.D
Acq: 7 Jun 2019 2:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.1	30.1
265	23.2	17.7	26.5

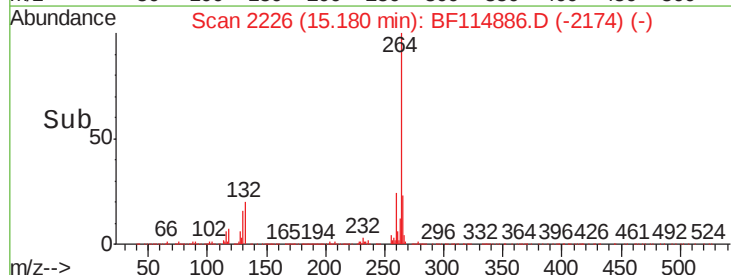
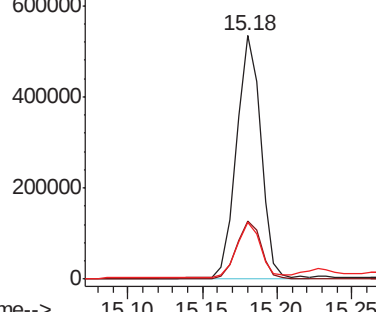


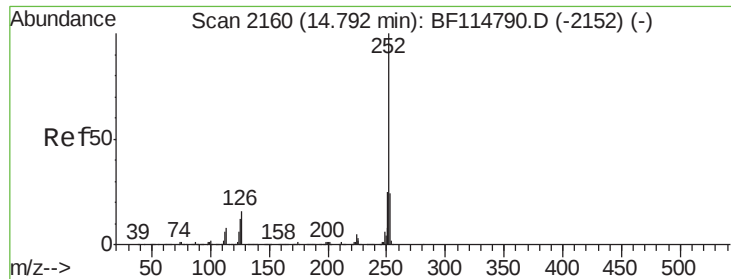
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 24.432 ng m

RT: 14.80 min Scan# 2161

Delta R.T. 0.01 min

Lab File: BF114886.D

Acq: 7 Jun 2019 2:01

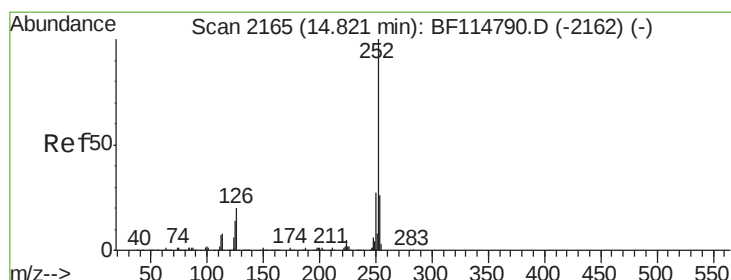
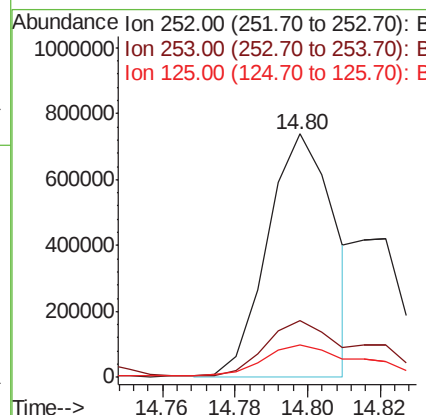
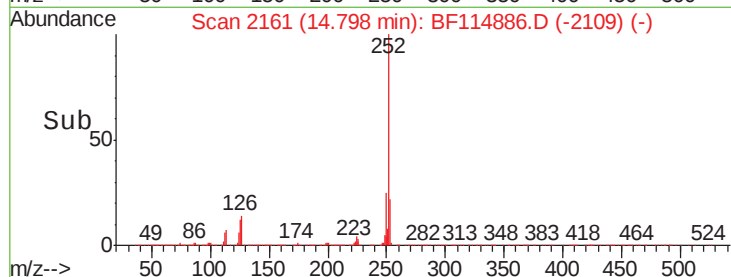
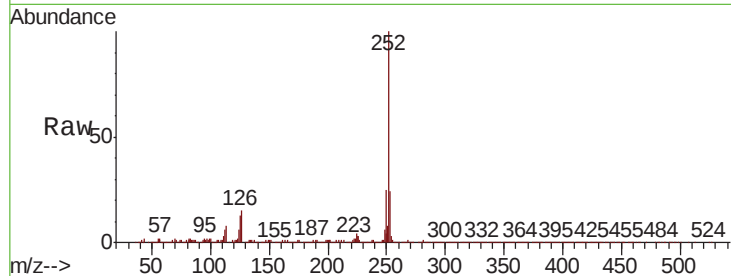
Instrument :
BNA_F

ClientSampleId :
0430-HR-10(HACKENSACK)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.6
125	13.1	9.4	14.0

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#89

Benzo(k)fluoranthene

Concen: 11.265 ng m

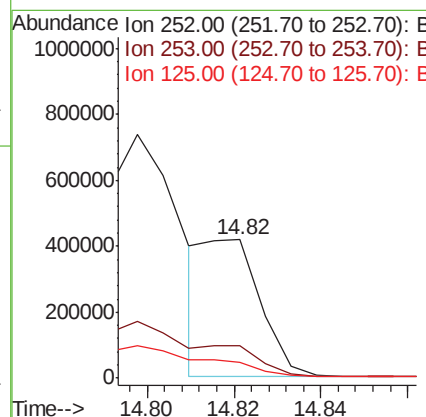
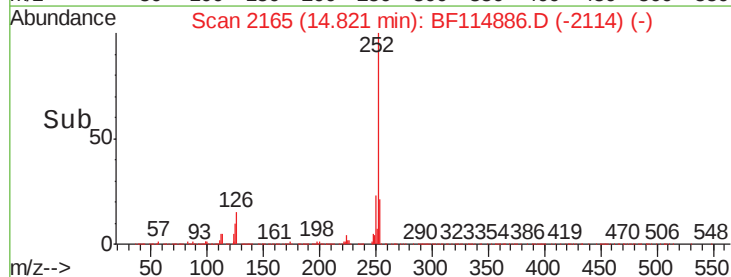
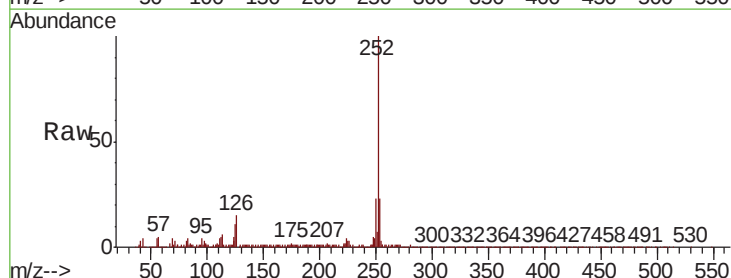
RT: 14.82 min Scan# 2165

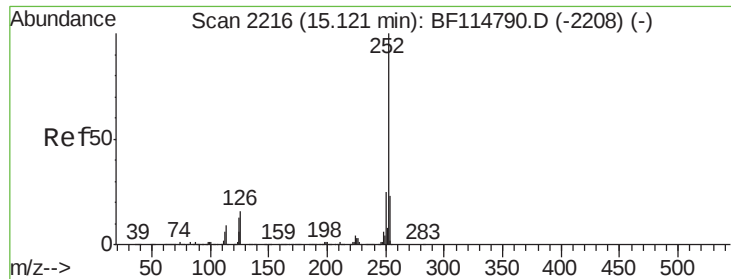
Delta R.T. 0.00 min

Lab File: BF114886.D

Acq: 7 Jun 2019 2:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.3	28.9
125	11.5	10.1	15.1





#90

Benzo(a)pyrene

Concen: 18.257 ng

RT: 15.13 min Scan# 2217

Delta R.T. 0.01 min

Lab File: BF114886.D

Acq: 7 Jun 2019 2:01

Instrument :

BNA_F

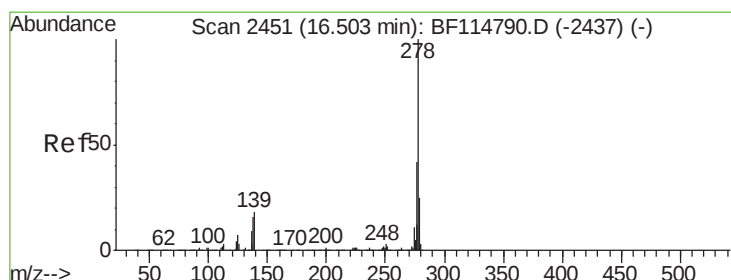
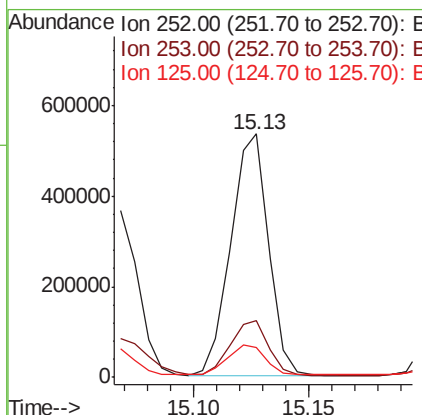
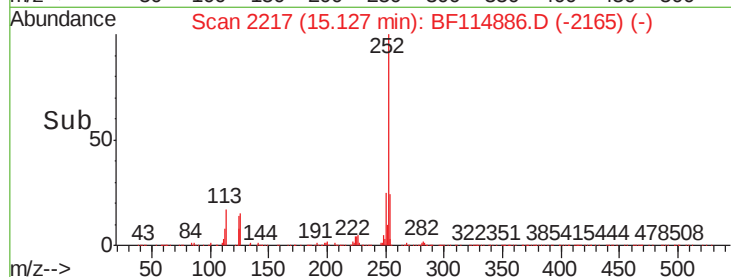
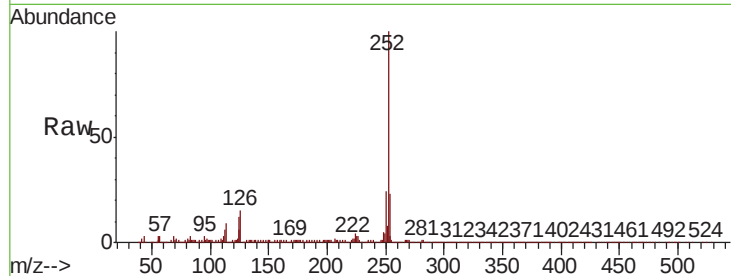
ClientSampleId :

0430-HR-10(HACKENSACK)DL

Tot Ion:	252	Resp:	607188
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.5	27.7
125	12.0	10.1	15.1

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#91

Dibenzo(a,h)anthracene

Concen: 2.400 ng

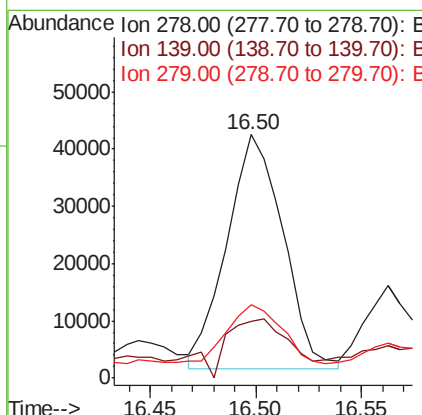
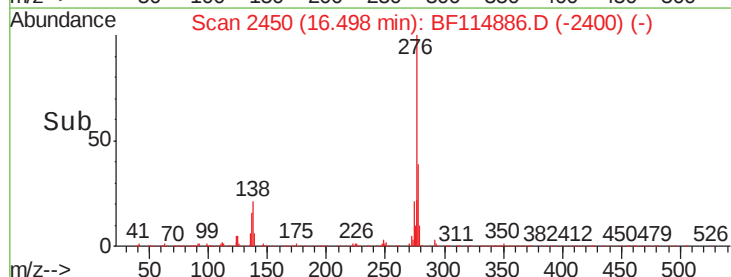
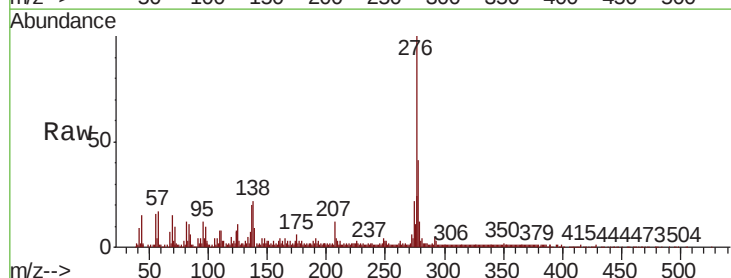
RT: 16.50 min Scan# 2450

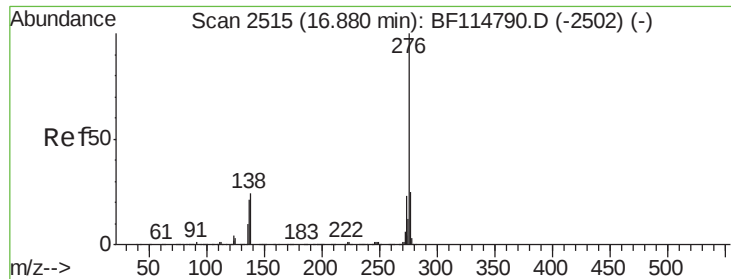
Delta R.T. -0.01 min

Lab File: BF114886.D

Acq: 7 Jun 2019 2:01

Tgt Ion:	278	Resp:	75600
Ion Ratio	Lower	Upper	
278	100		
139	23.2	14.6	22.0#
279	30.4	20.1	30.1#





#92
 Benzo(a,h,i)perylene
 Concen: 5.794 ng
 RT: 16.88 min Scan# 2515
 Delta R.T. 0.00 min
 Lab File: BF114886.D
 Acq: 7 Jun 2019 2:01

Instrument :
 BNA_F
 ClientSampleId :
 0430-HR-10(HACKENSACK)DL

Tot Ion:	276	Resp:	183522
Ion Ratio		Lower	Upper
276	100		
277	25.4	19.8	29.6
138	26.0	19.4	29.2

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