

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116640.D
 Acq On : 29 Aug 2019 2:51
 Operator : HP/JU
 Sample : K4088-08 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-082619

Manual Integrations
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 8/29/2019 7:47:37 PM

Quant Time: Aug 29 04:43:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	76652	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	292752	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	100426	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	155592	20.00	ng	0.00
76) Chrysene-d12	14.02	240	176392	20.00	ng	0.00
87) Perylene-d12	15.47	264	137694	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	263564	59.39	ng	0.00
7) Phenol-d6	6.49	99	315812	52.49	ng	0.00
23) Nitrobenzene-d5	7.42	82	191084	37.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	41734	43.67	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	218283	36.17	ng	0.00
79) Terphenyl-d14	12.96	244	302583	27.90	ng	0.00
Target Compounds						
31) Naphthalene	8.17	128	29656	2.115	ng	Qvalue 97
49) Acenaphthylene	9.76	152	37104	4.251	ng	99
50) Dimethylphthalate	9.60	163	14369	2.128	ng	# 96
58) Fluorene	10.44	166	31885	5.279	ng	95
71) Phenanthrene	11.40	178	319029	38.174	ng	100
72) Anthracene	11.45	178	94368	11.293	ng	99
73) Carbazole	11.60	167	23156	3.256	ng	# 96
75) Fluoranthene	12.59	202	491210	65.537	ng	99
78) Pyrene	12.82	202	451103	27.812	ng	99
81) Benzo(a)anthracene	14.00	228	403000	34.268	ng	95
83) Chrysene	14.04	228	349961m	30.397	ng	
86) Indeno(1,2,3-cd)pyrene	16.93	276	86125	12.702	ng	# 93
88) Benzo(b)fluoranthene	15.05	252	617315m	73.005	ng	
89) Benzo(k)fluoranthene	15.07	252	163223m	20.307	ng	
90) Benzo(a)pyrene	15.42	252	264638	35.067	ng	96
91) Dibenzo(a,h)anthracene	16.94	278	22639m	3.215	ng	
92) Benzo(g,h,i)perylene	17.37	276	75083	10.254	ng	97

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

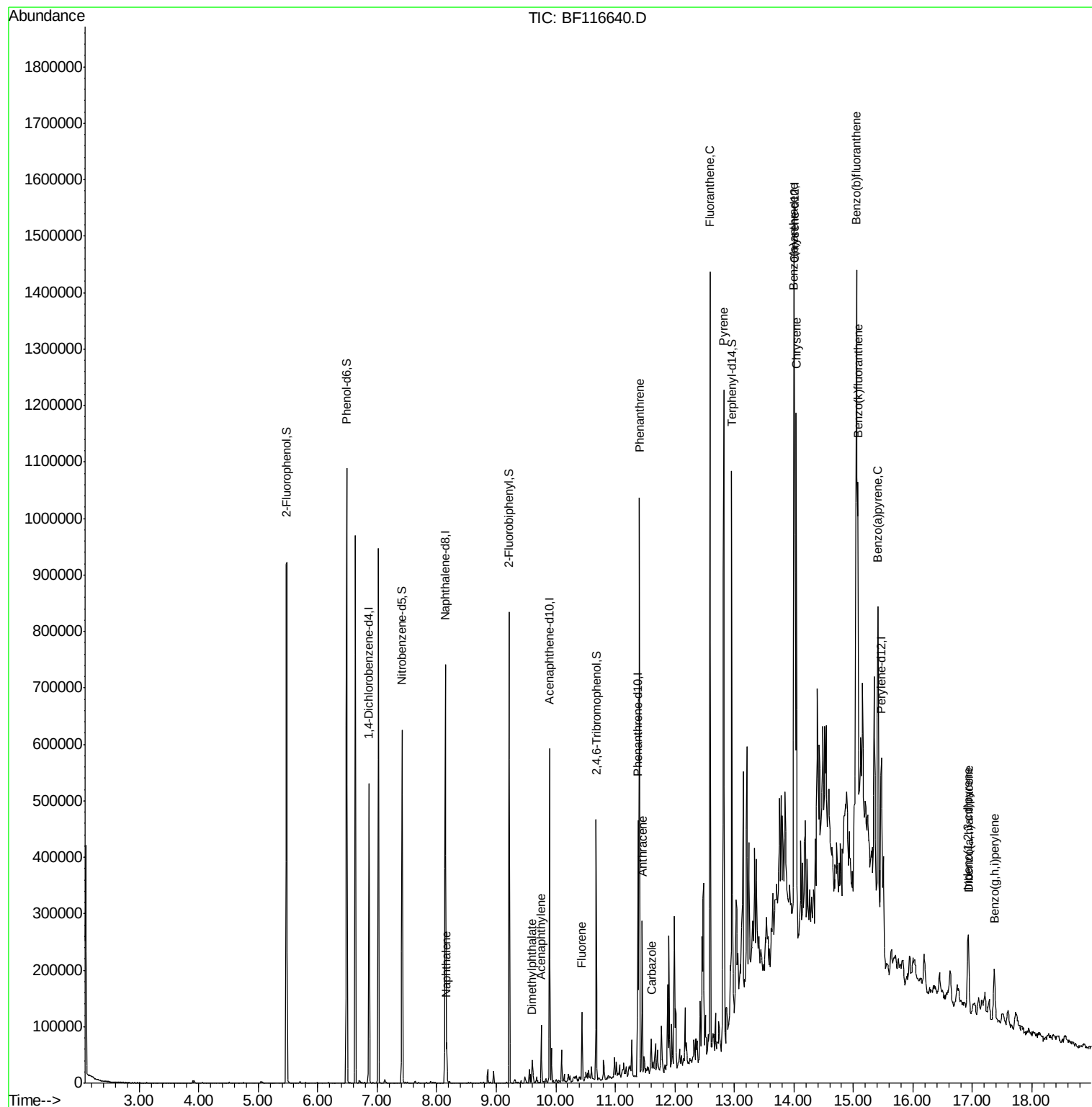
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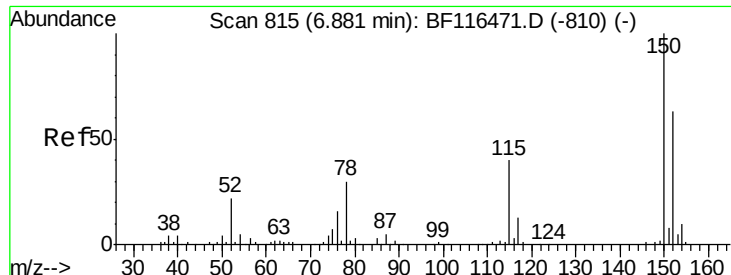
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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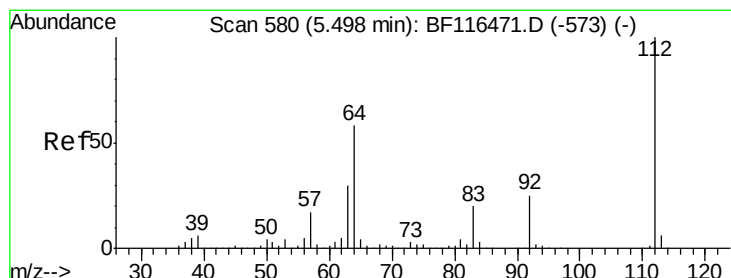
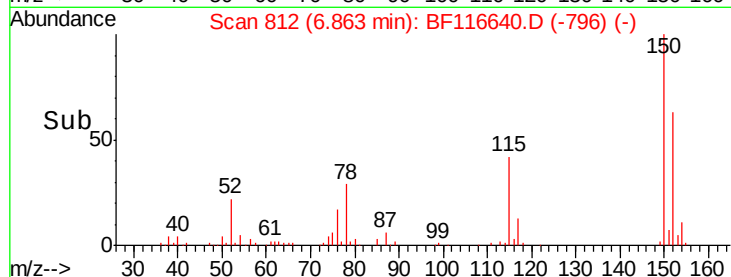
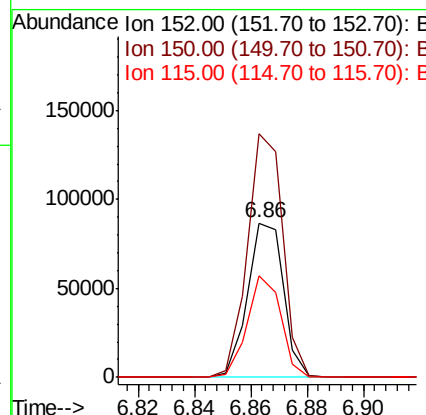
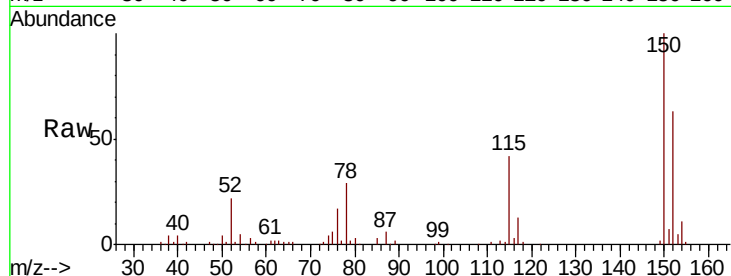
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF116640.D
 Acq: 29 Aug 2019 2:51

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-082619

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	123.4	185.2
115	65.8	48.2	72.2

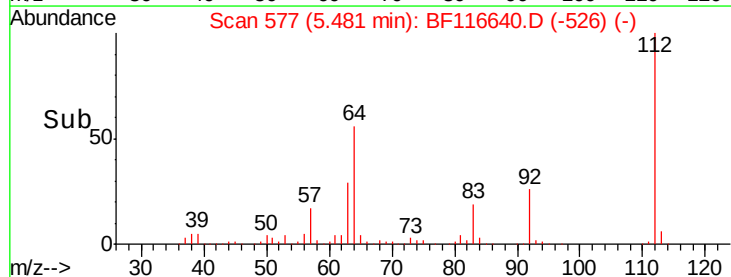
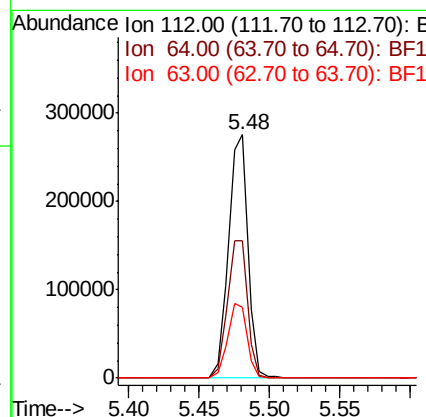
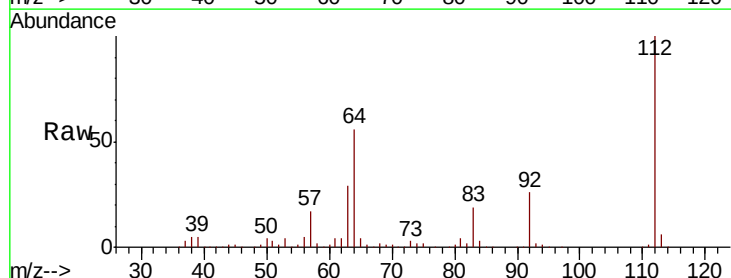
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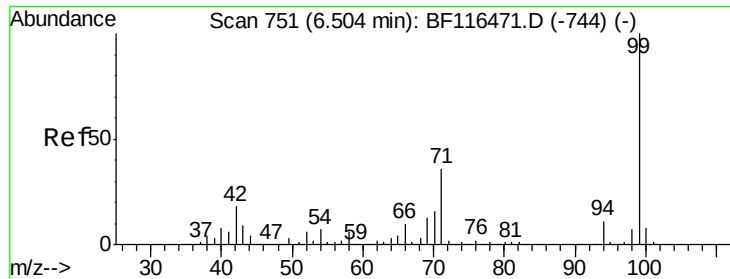
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#5
 2-Fluorophenol
 Concen: 59.390 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: BF116640.D
 Acq: 29 Aug 2019 2:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	48.0	72.0
63	29.0	24.6	36.8





#7

Phenol-d6

Concen: 52.490 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116640.D

Acq: 29 Aug 2019 2:51

Instrument :

BNA_F

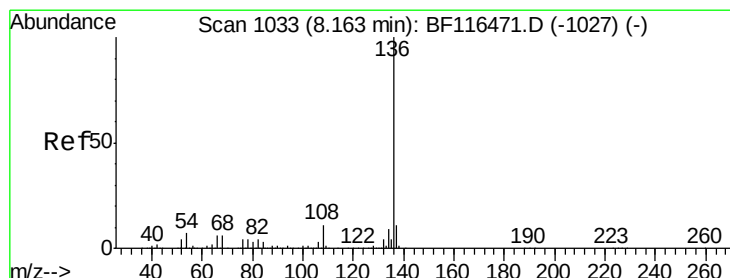
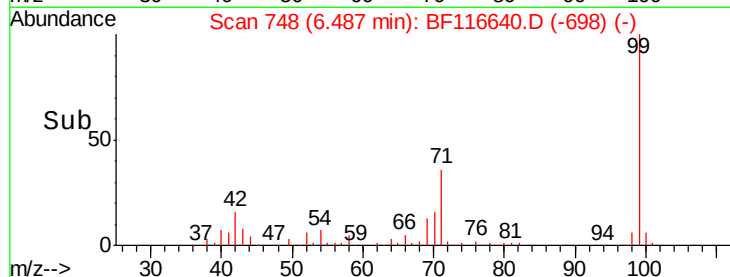
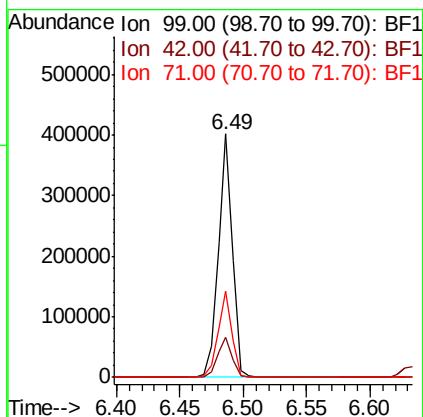
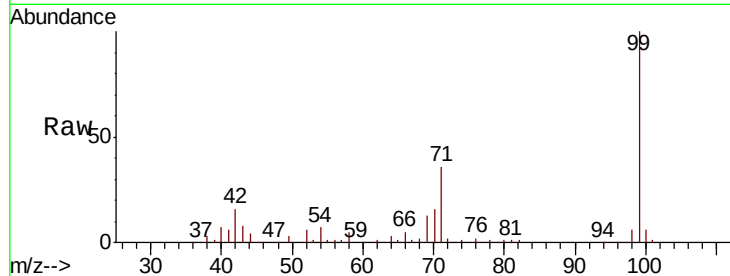
ClientSampled :

CL-02-082619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		315812		
42	16.4	13.2	19.8		
71	35.6	27.4	41.2		

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#21

Naphthalene-d8

Concen: 20.000 ng

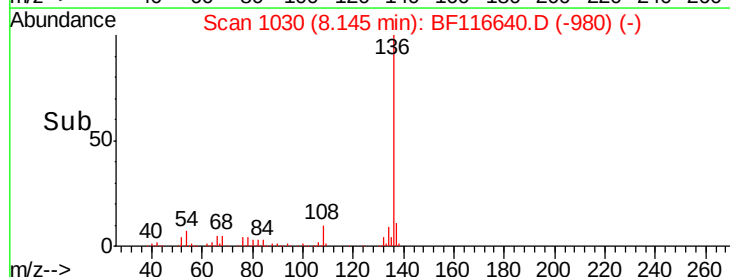
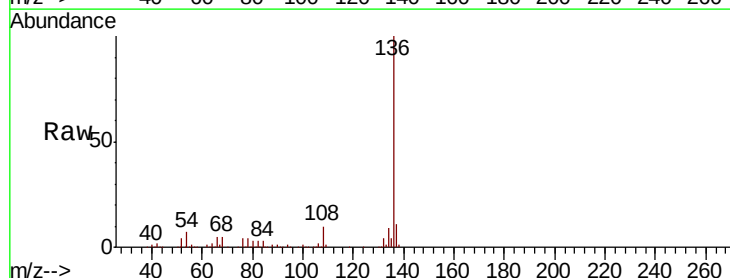
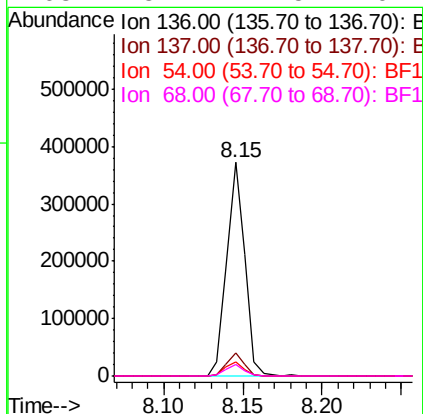
RT: 8.15 min Scan# 1030

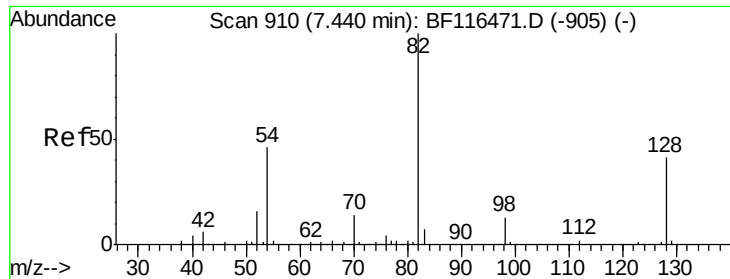
Delta R.T. -0.01 min

Lab File: BF116640.D

Acq: 29 Aug 2019 2:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		292752		
137	10.8	8.7	13.1		
54	6.6	5.0	7.4		
68	5.4	4.5	6.7		





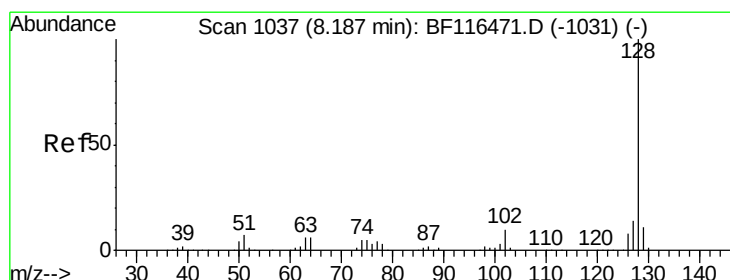
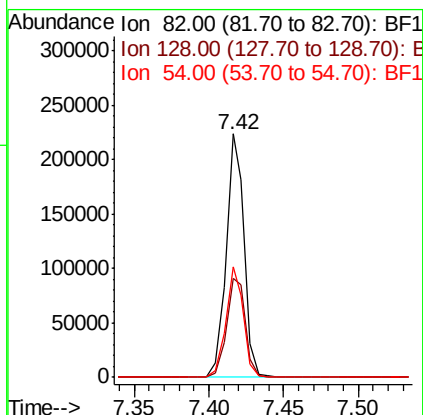
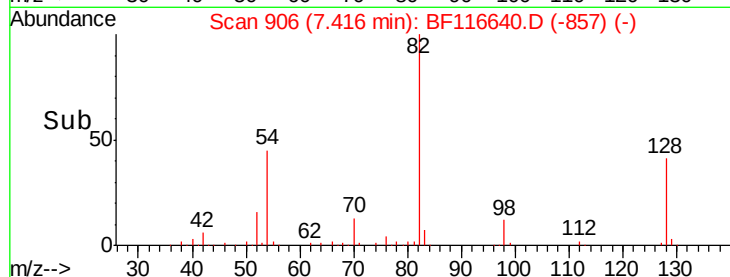
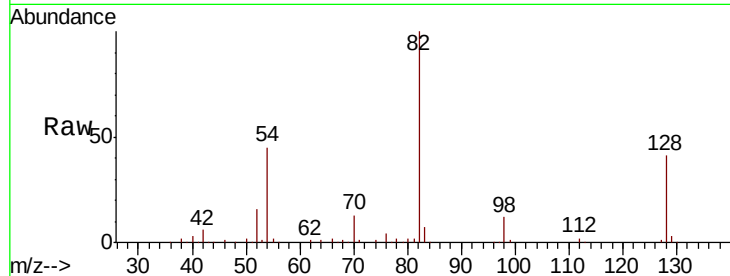
#23
Nitrobenzene-d5
Concen: 37.348 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :
CL-02-082619

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.8	35.0	52.6
54	45.2	34.4	51.6

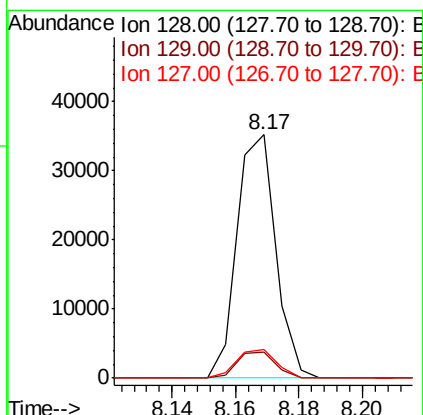
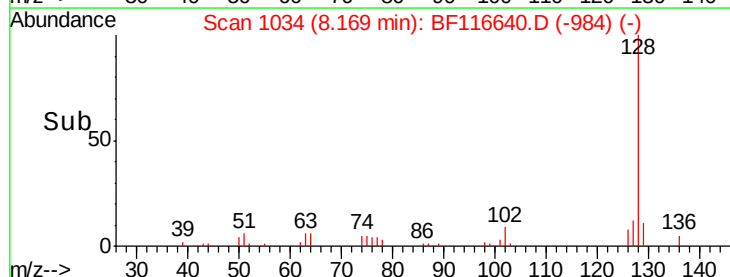
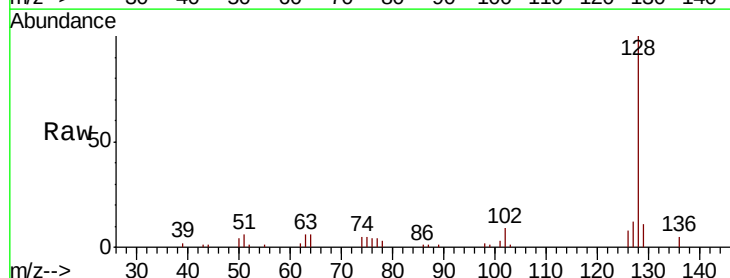
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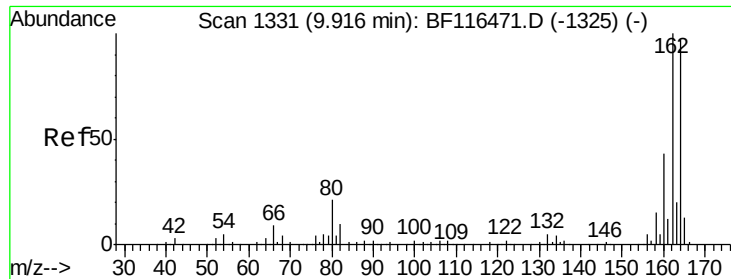
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#31
Naphthalene
Concen: 2.115 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	11.6	10.9	16.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF116640.D

Acq: 29 Aug 2019 2:51

Instrument :

BNA_F

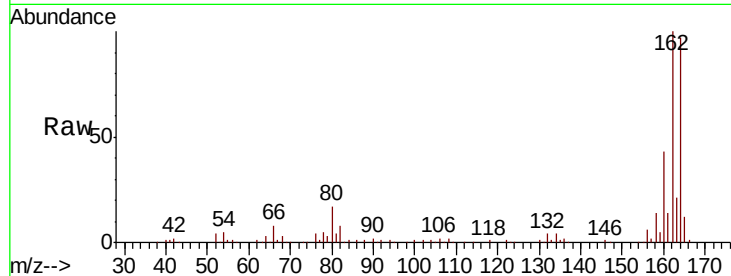
ClientSampleId :

CL-02-082619

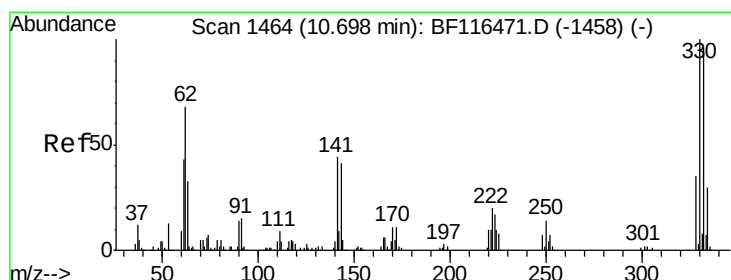
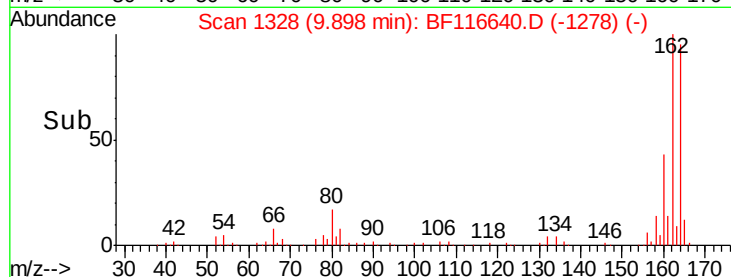
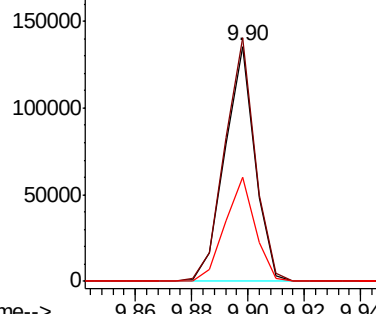
Tot Ion:	164	Resp:	100426
Ion Ratio	Lower	Upper	
164	100		
162	103.5	83.4	125.0
160	44.5	37.0	55.4

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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: 43.670 ng

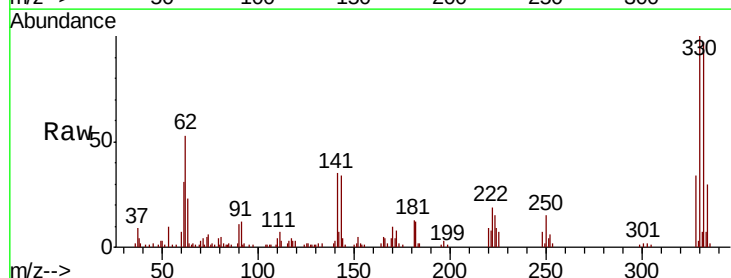
RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

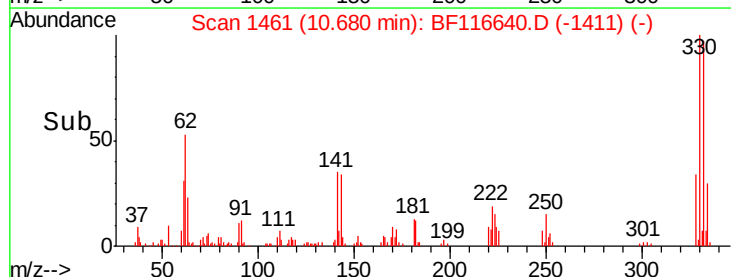
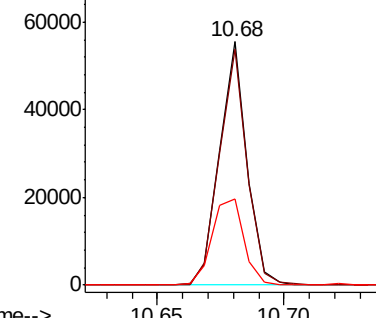
Lab File: BF116640.D

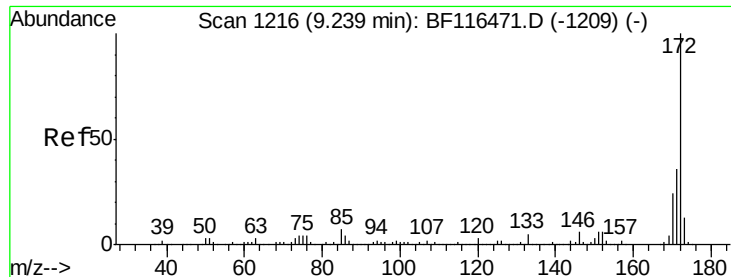
Acq: 29 Aug 2019 2:51

Tgt Ion:	330	Resp:	41734
Ion Ratio	Lower	Upper	
330	100		
332	97.9	77.5	116.3
141	41.4	28.2	42.2



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





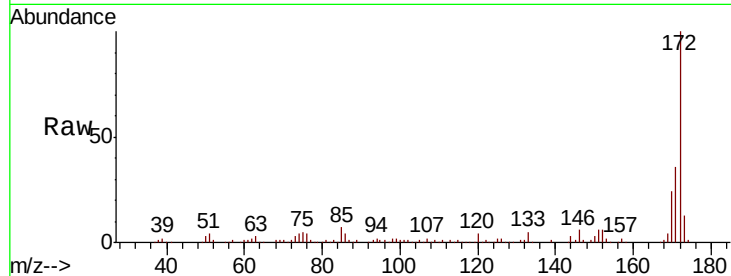
#45
2-Fluorobiphenyl
Concen: 36.173 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100	218283		
171	35.9	29.0	43.6	
170	23.6	19.3	28.9	

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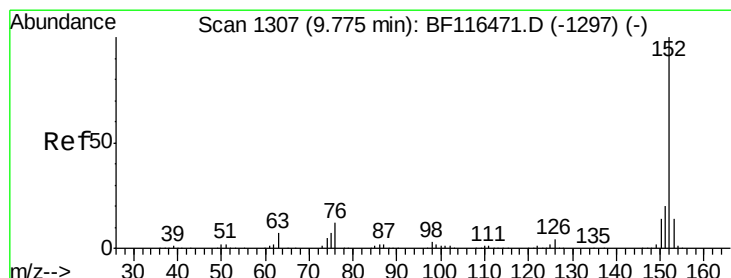
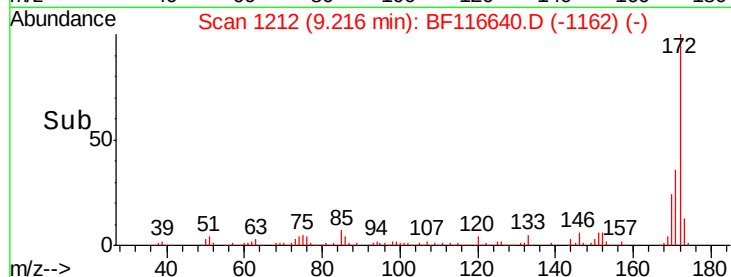
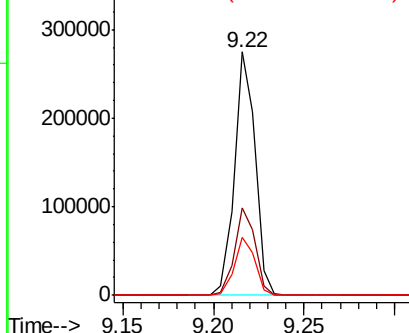


Abundance

Ion 172.00 (171.70 to 172.70): E

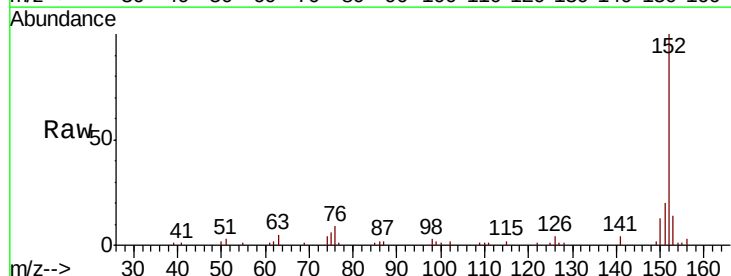
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Acenaphthylene
Concen: 4.251 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	37104		
151	20.2	16.4	24.6	
153	14.4	11.3	16.9	

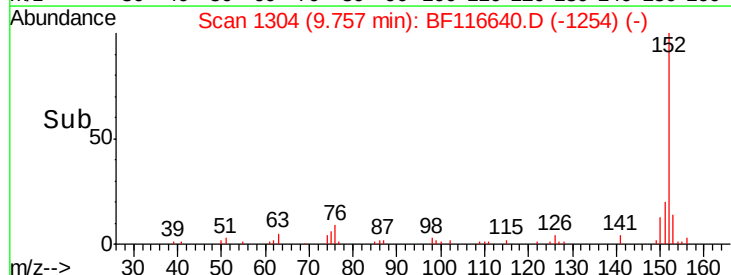
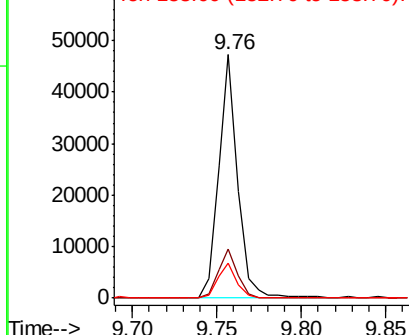


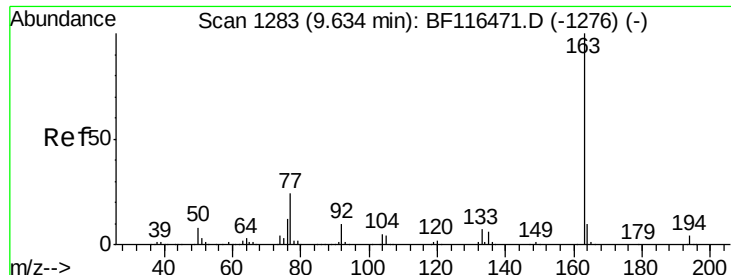
Abundance

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





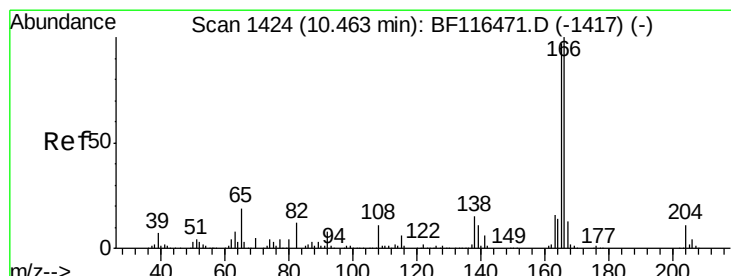
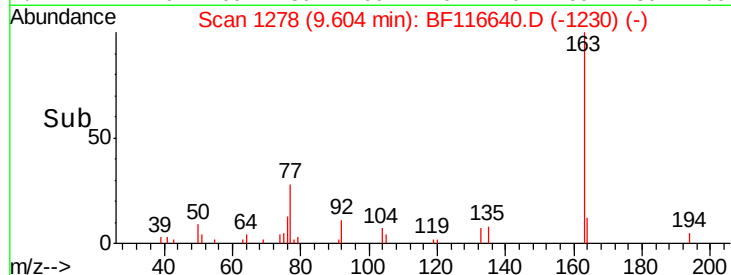
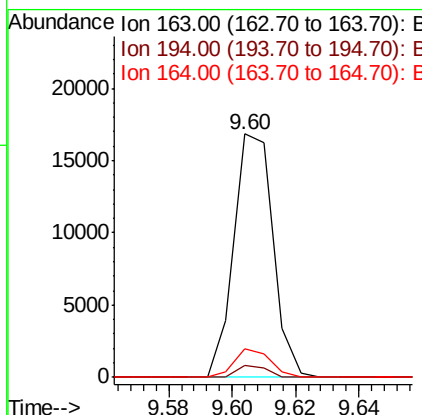
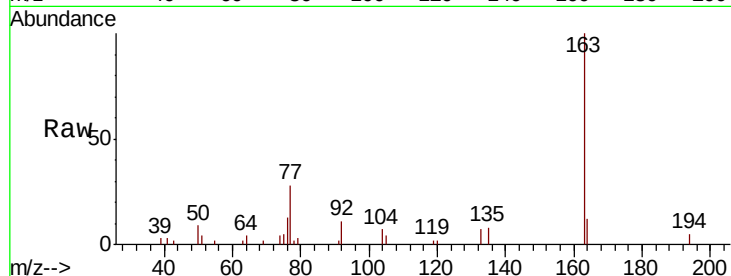
#50
Dimethylphthalate
Concen: 2.128 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :
CL-02-082619

Tot Ion	Ratio	Resp	Lower	Upper
163	100	14369		
194	4.7	3.0	4.6#	
164	11.8	8.2	12.2	

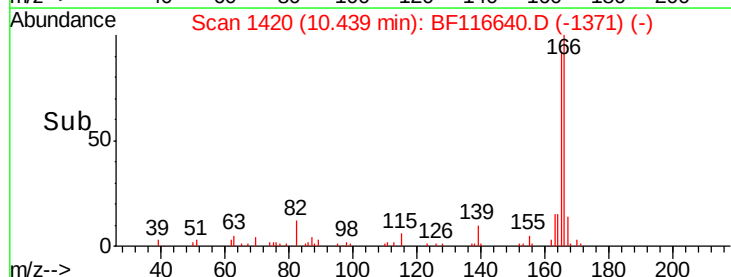
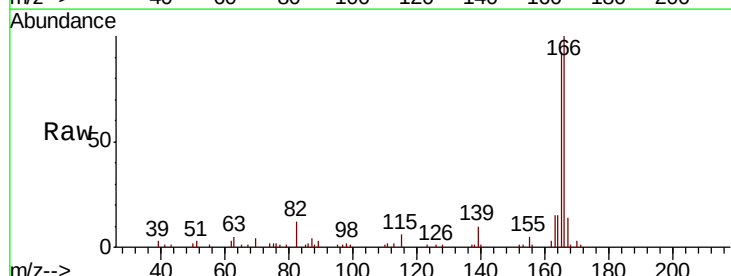
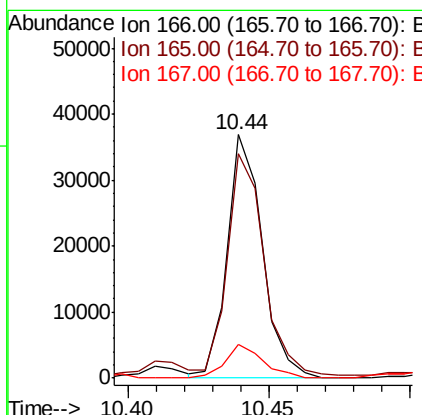
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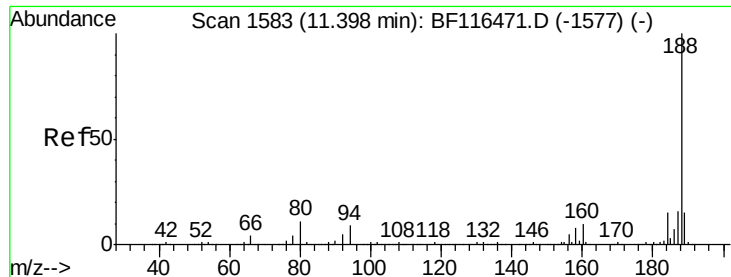
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#58
Fluorene
Concen: 5.279 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	31885		
165	92.3	77.8	116.6	
167	13.8	10.6	16.0	





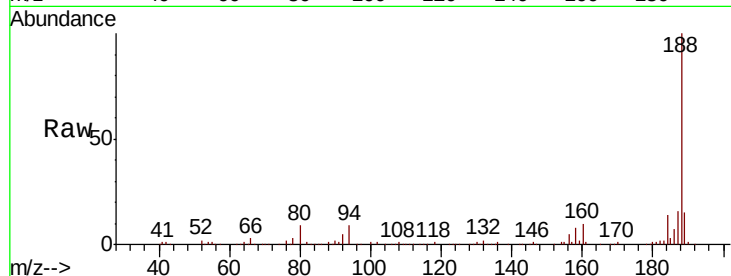
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :
CL-02-082619

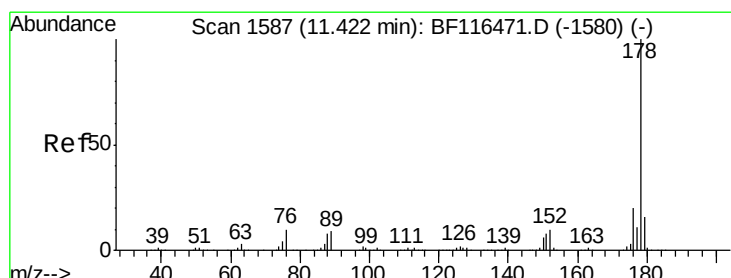
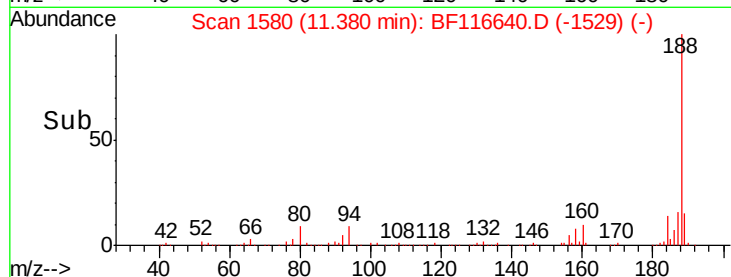
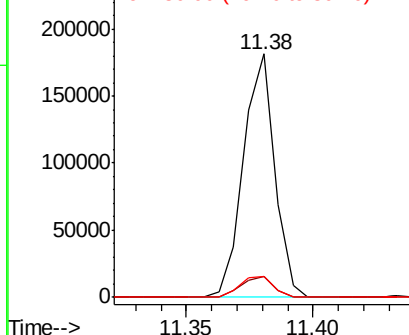
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	8.2	12.4
80	8.8	8.9	13.3#

Manual Integrations
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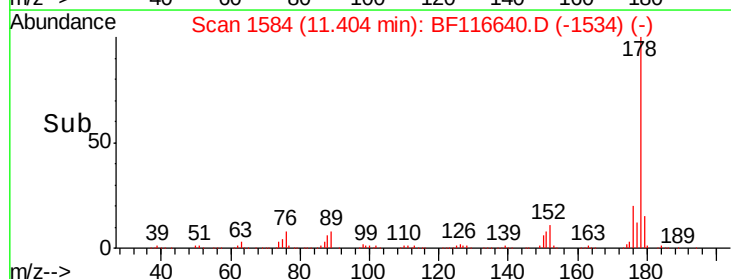
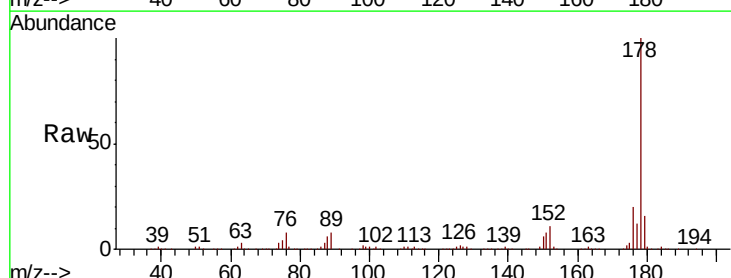
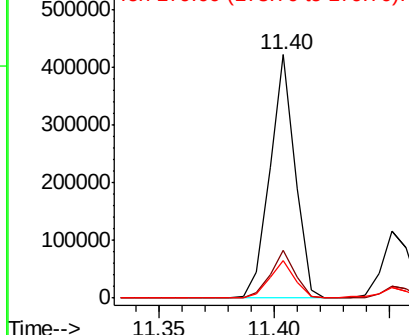
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

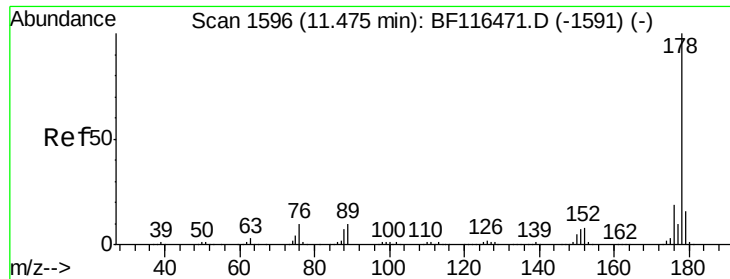


#71
Phenanthrene
Concen: 38.174 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.5	12.4	18.6

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





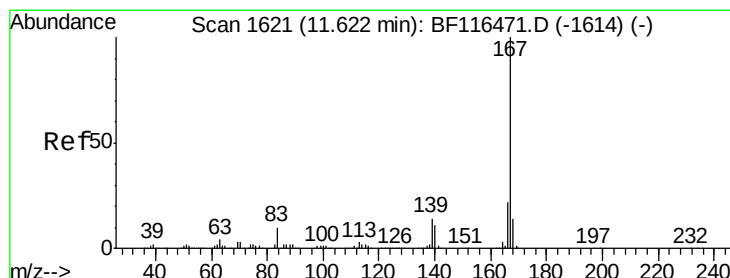
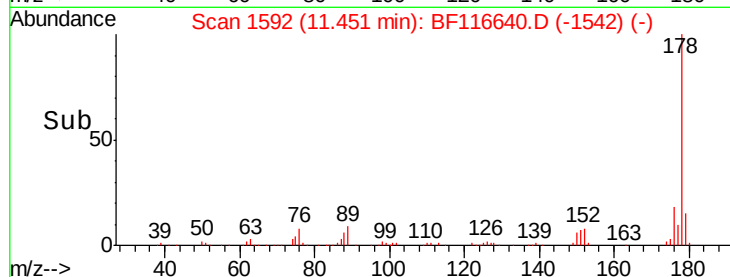
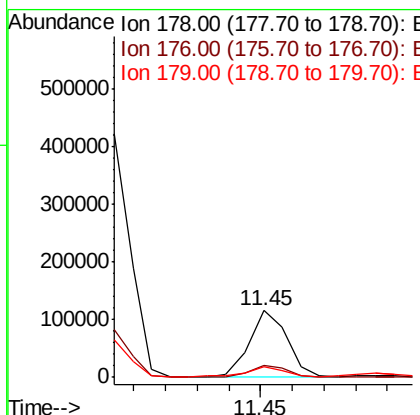
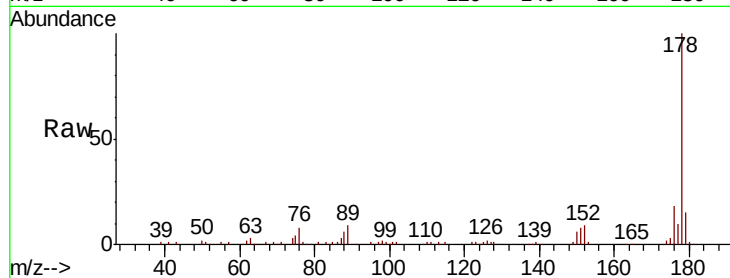
#72
 Anthracene
 Concen: 11.293 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF116640.D
 Acq: 29 Aug 2019 2:51

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-082619

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.1	22.7
179	15.3	12.7	19.1

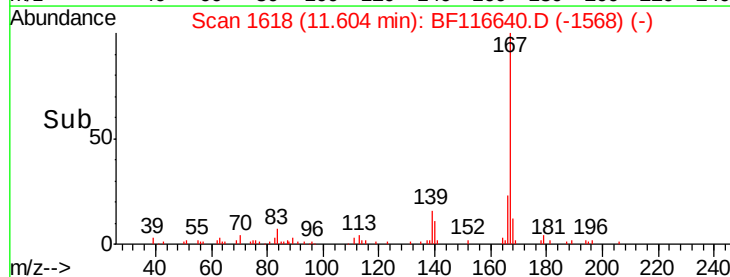
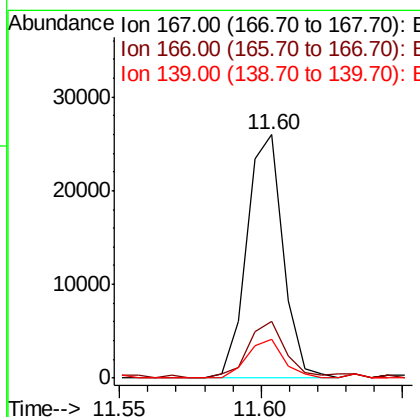
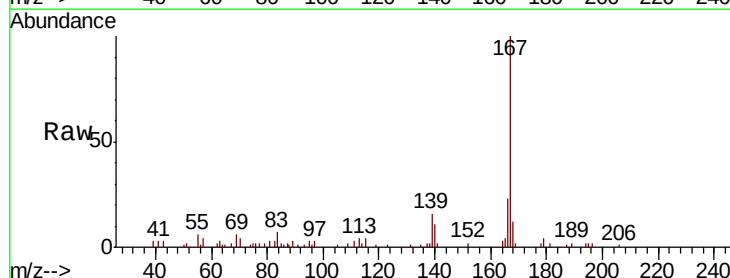
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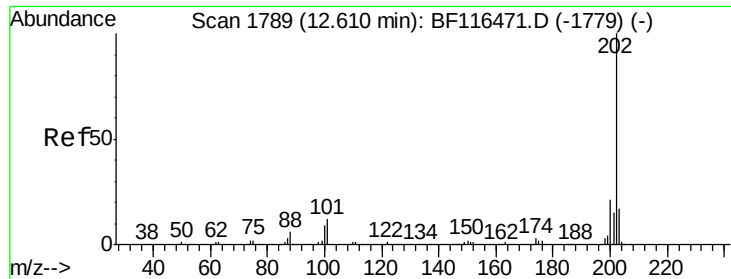
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#73
 Carbazole
 Concen: 3.256 ng
 RT: 11.60 min Scan# 1618
 Delta R.T. -0.01 min
 Lab File: BF116640.D
 Acq: 29 Aug 2019 2:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.3	17.9	26.9
139	16.1	10.3	15.5#





#75

Fluoranthene

Concen: 65.537 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BF116640.D

Acq: 29 Aug 2019 2:51

Instrument :

BNA_F

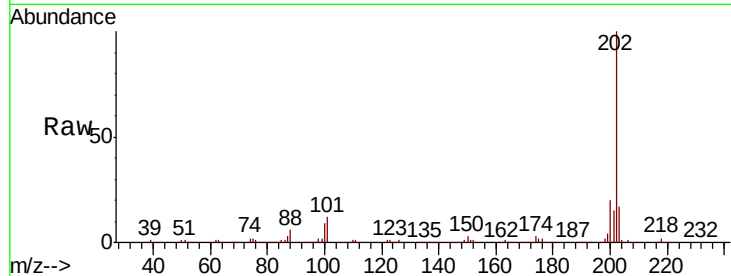
ClientSampleId :

CL-02-082619

Tot Ion	Ratio	Resp	Lower	Upper
202	100	491210		
101	12.0	0.0	31.8	
203	17.5	0.0	37.1	

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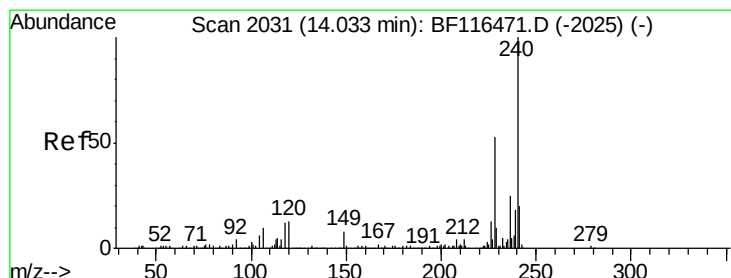
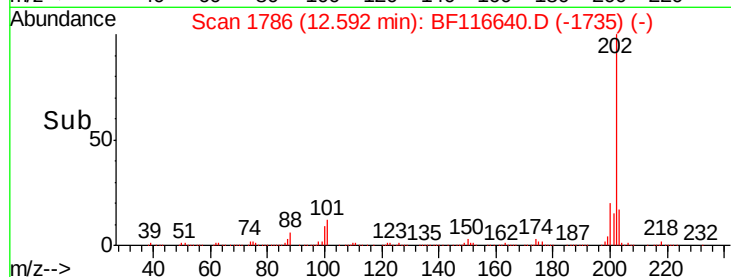
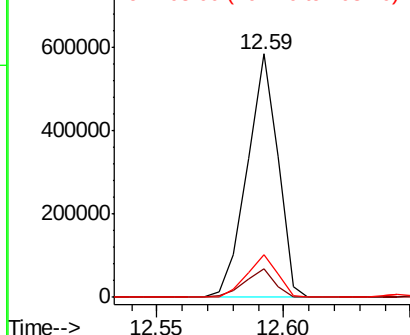


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

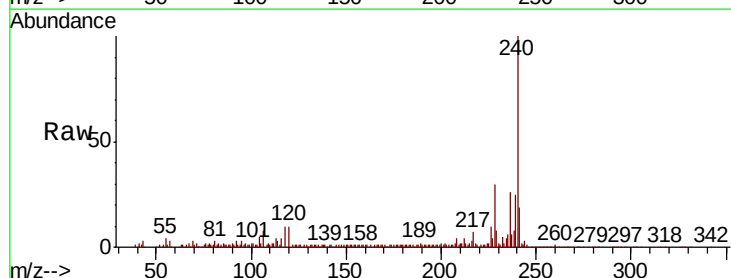
RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF116640.D

Acq: 29 Aug 2019 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	176392		
120	10.3	11.3	16.9#	
236	25.9	21.4	32.2	

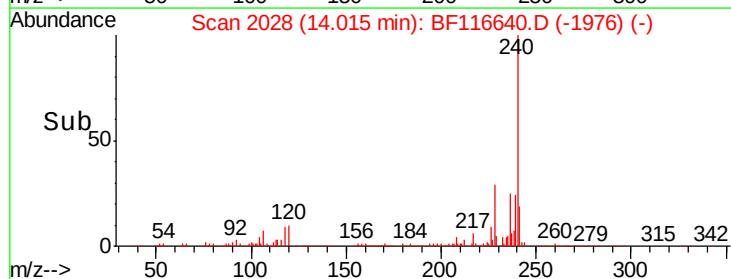
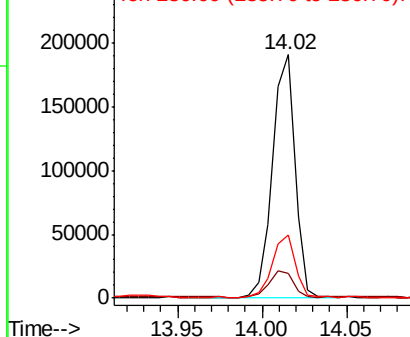


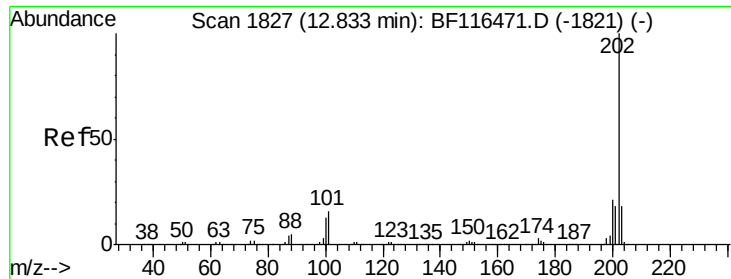
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





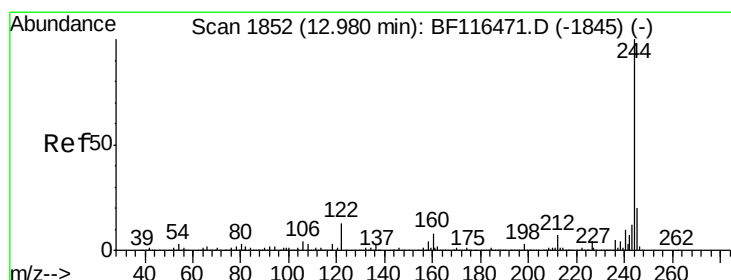
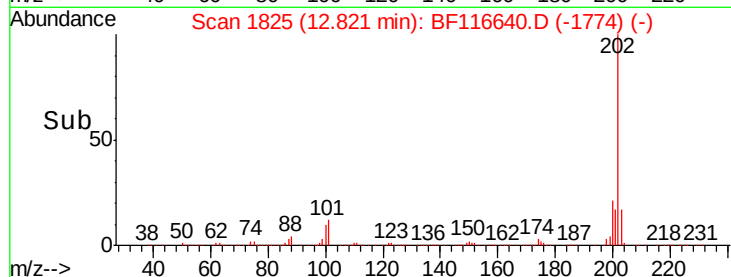
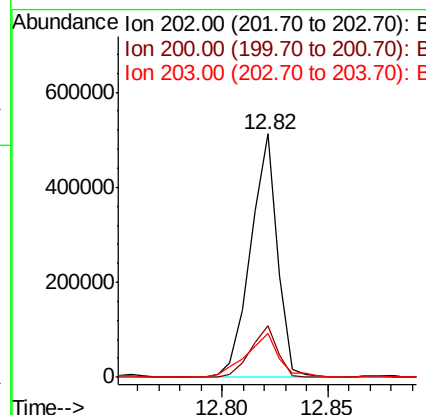
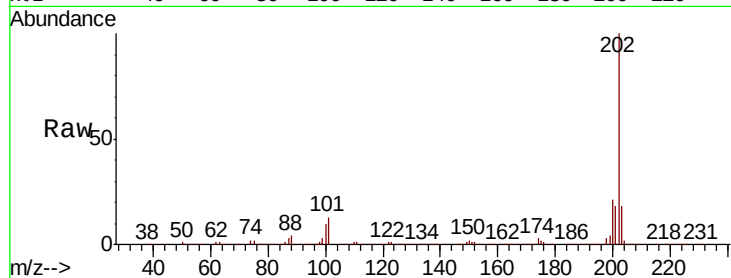
#78
Pvrene
Concen: 27.812 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :
CL-02-082619

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.4	26.0
203	17.8	14.2	21.4

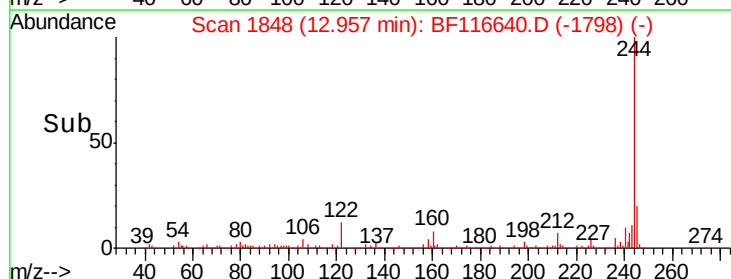
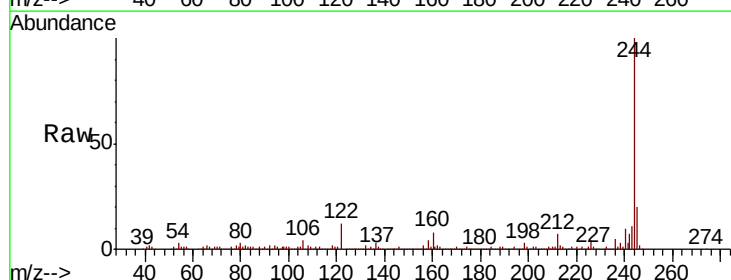
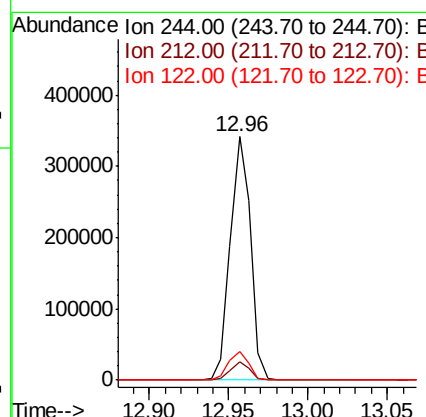
Manual Integrations
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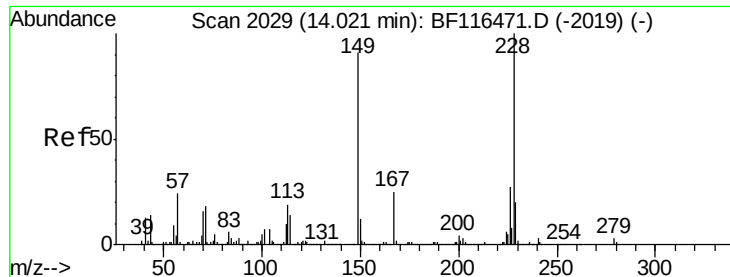
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#79
Terphenyl-d14
Concen: 27.898 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	5.9	8.9
122	11.7	10.0	15.0





#81

Benzo(a)anthracene

Concen: 34.268 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BF116640.D

Acq: 29 Aug 2019 2:51

Instrument :

BNA_F

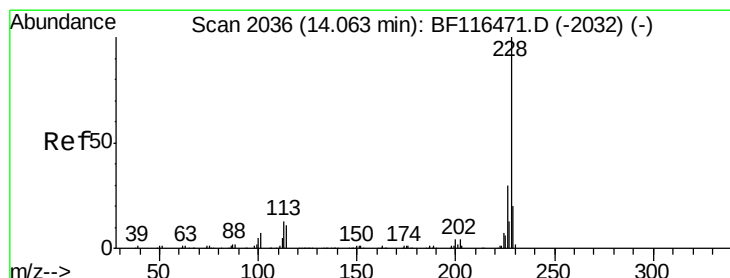
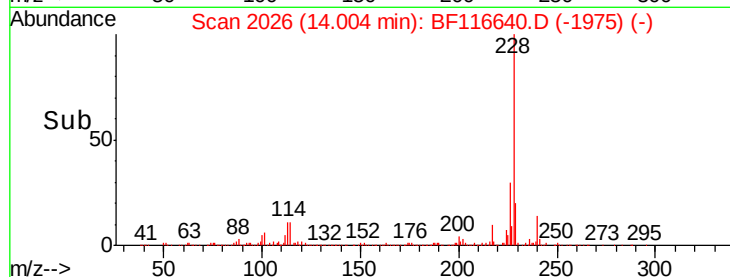
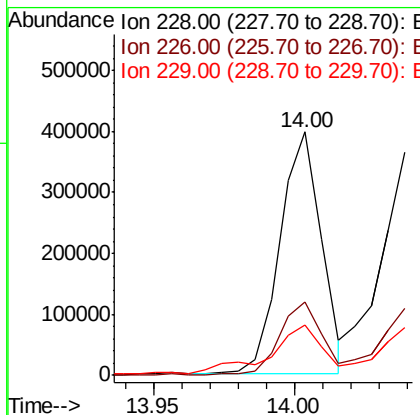
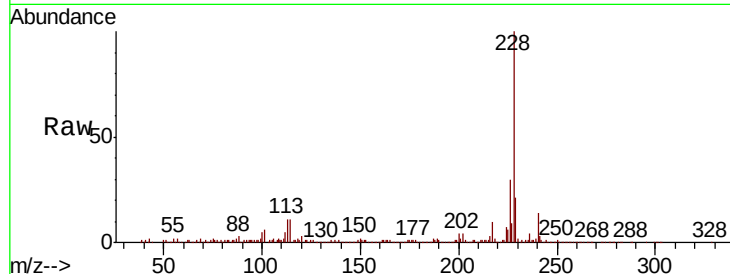
ClientSampleId :

CL-02-082619

Tot Ion:	228	Resp:	403000
Ion Ratio	Lower	Upper	
228	100		
226	30.4	21.5	32.3
229	20.5	15.4	23.0

Manual Integrations
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#83

Chrysene

Concen: 30.397 ng m

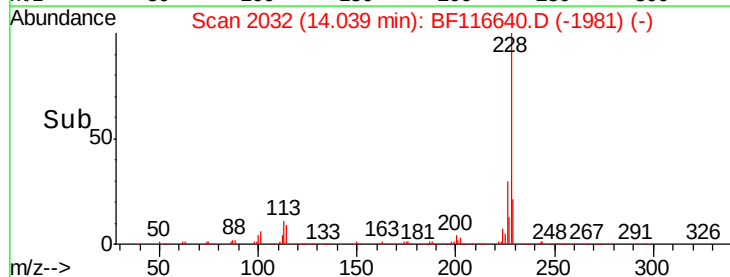
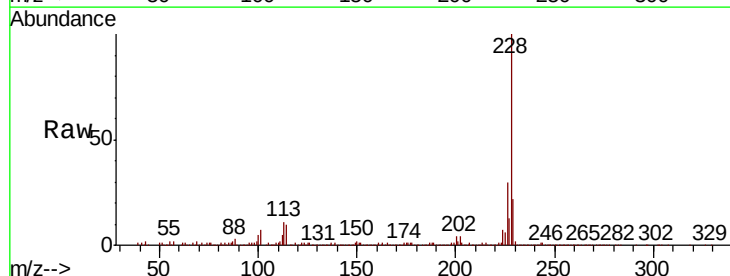
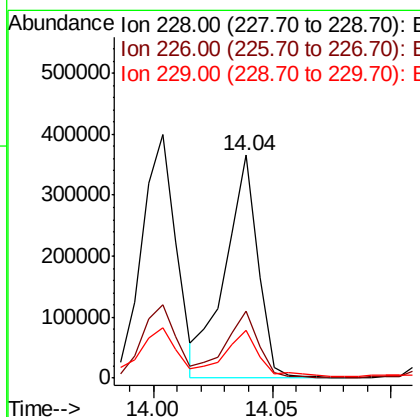
RT: 14.04 min Scan# 2032

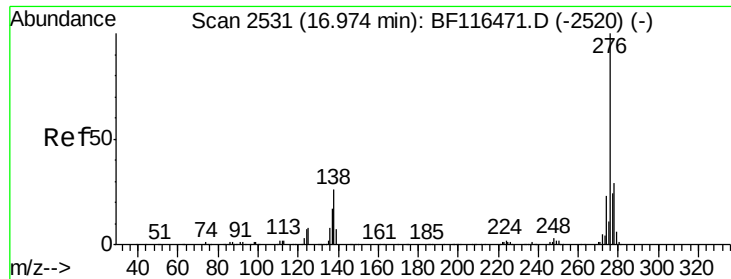
Delta R.T. -0.00 min

Lab File: BF116640.D

Acq: 29 Aug 2019 2:51

Tgt Ion:	228	Resp:	349961
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.0	36.0
229	21.6	15.8	23.8





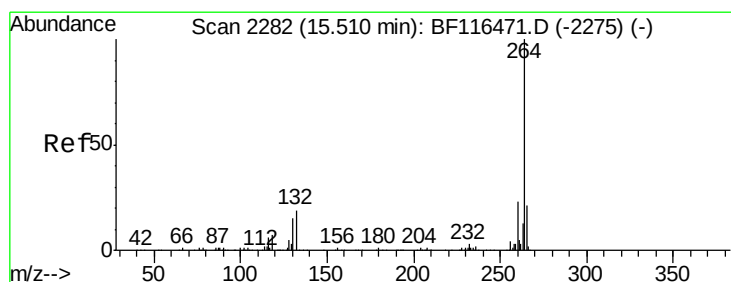
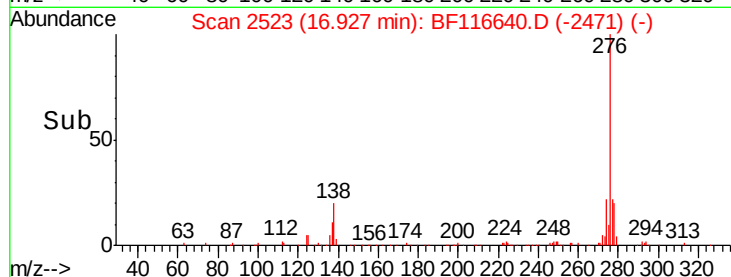
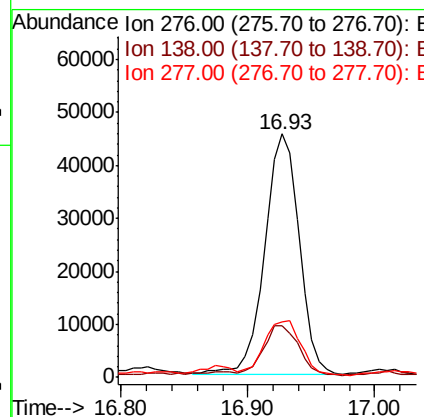
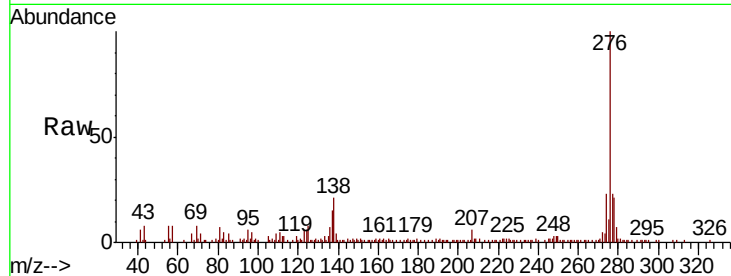
#86
Indeno(1,2,3-cd)pyrene
Concen: 12.702 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :
CL-02-082619

Tot Ion	Ratio	Resp	Lower	Upper
276	100	86125		
138	20.8	21.5	32.3	
277	24.1	20.0	30.0	

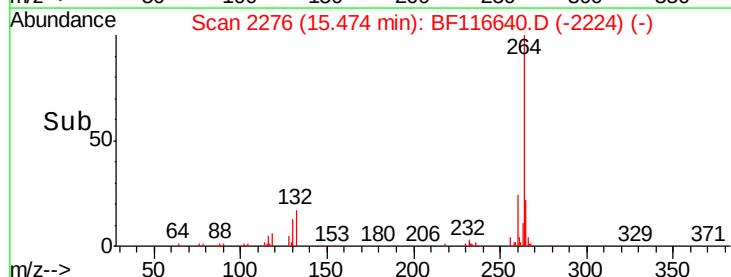
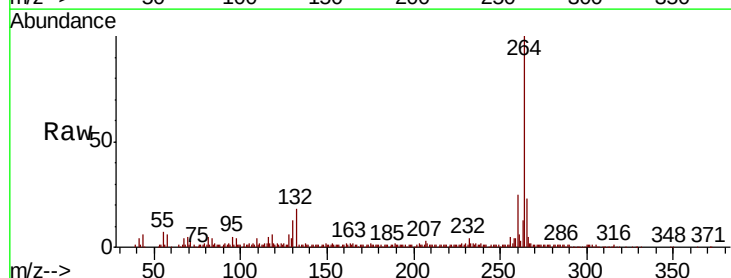
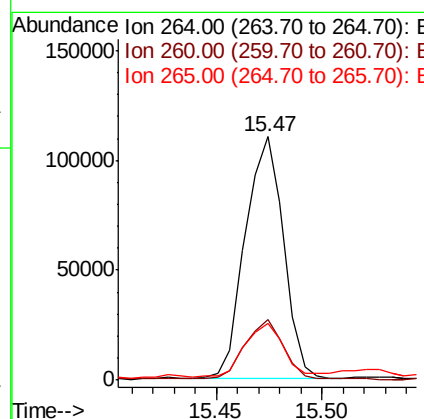
Manual Integrations
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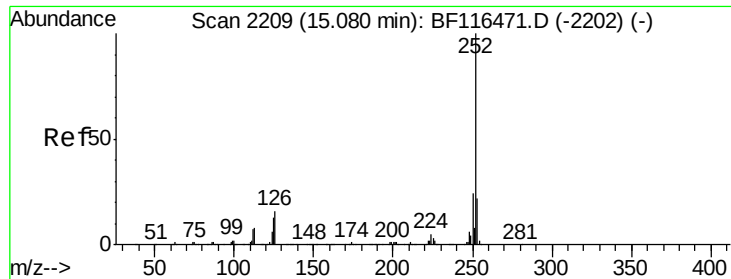
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	137694		
260	24.9	20.0	30.0	
265	23.2	17.6	26.4	





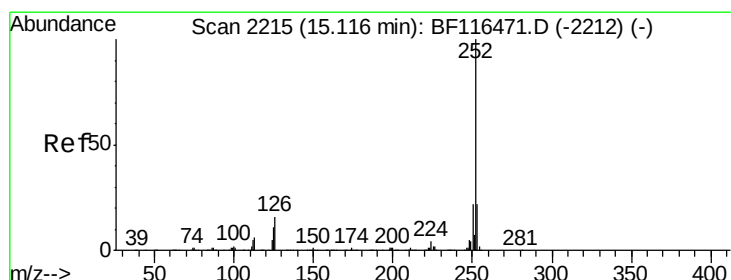
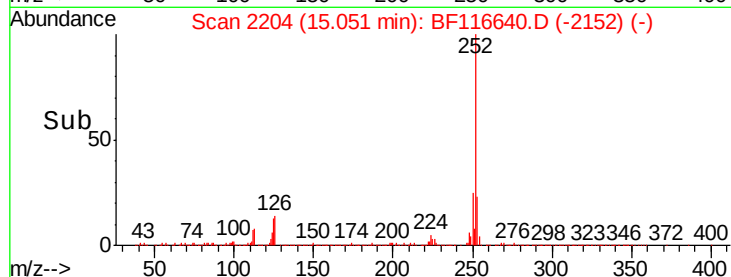
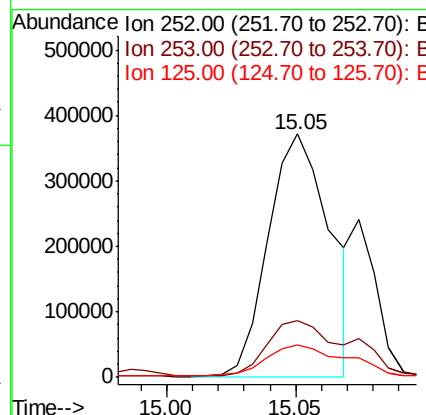
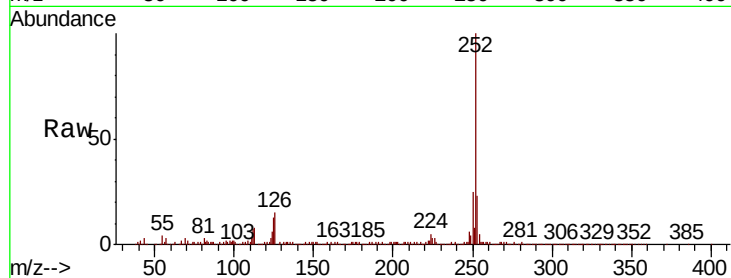
#88
Benzo(b)fluoranthene
Concen: 73.005 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampleId :
CL-02-082619

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	13.1	9.0	13.6

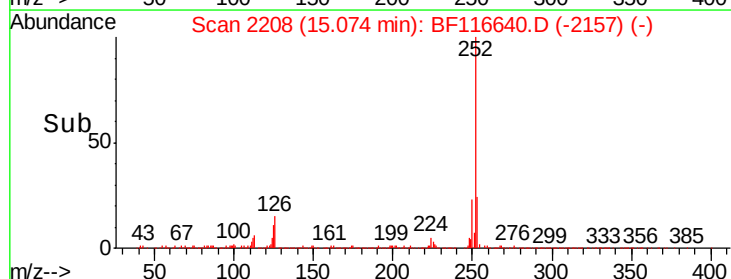
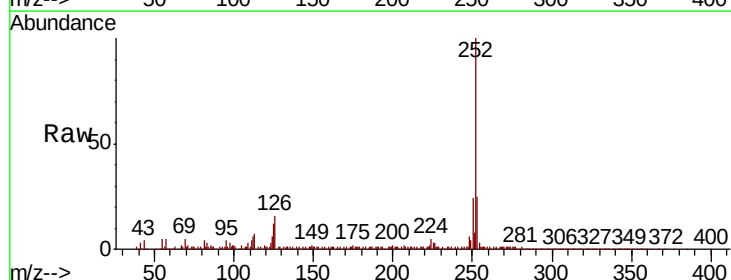
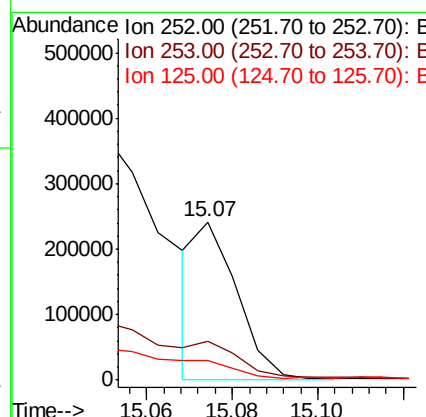
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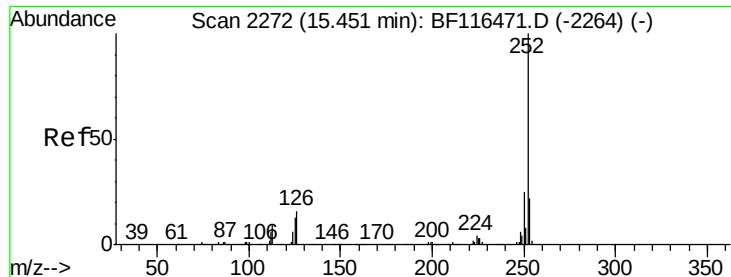
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#89
Benzo(k)fluoranthene
Concen: 20.307 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	12.2	8.6	13.0





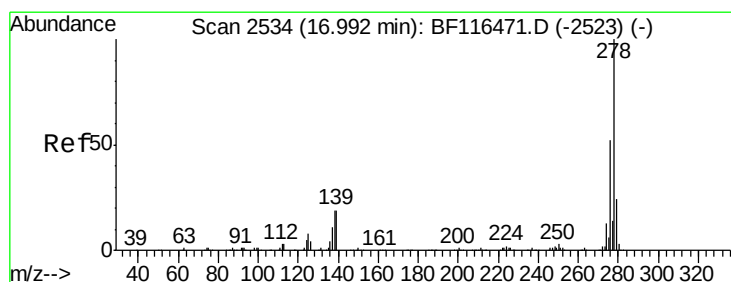
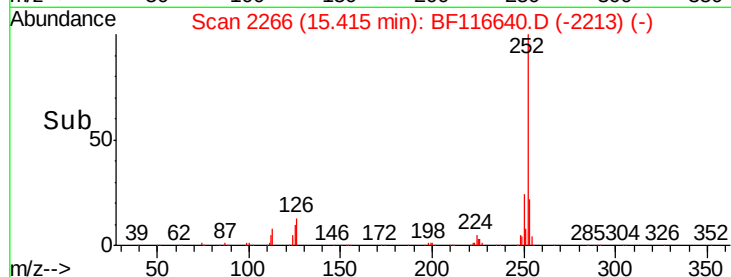
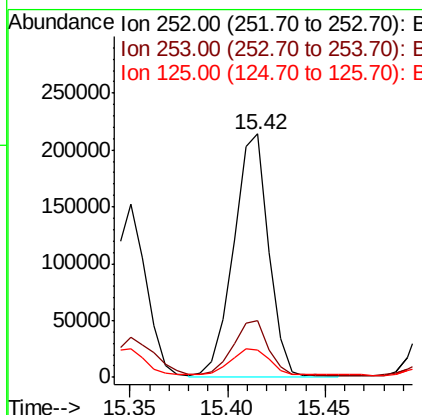
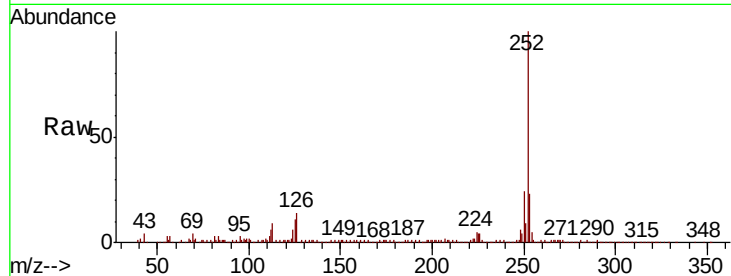
#90
Benzo(a)pyrene
Concen: 35.067 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Instrument :
BNA_F
ClientSampled :
CL-02-082619

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	11.3	10.6	16.0

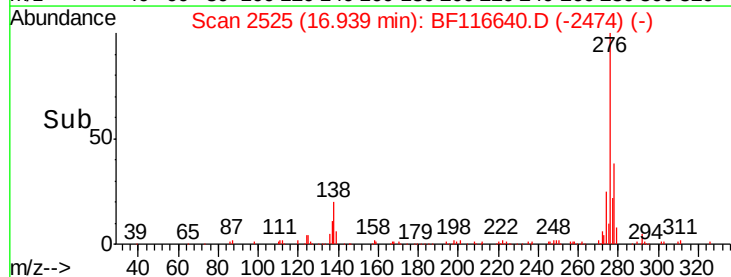
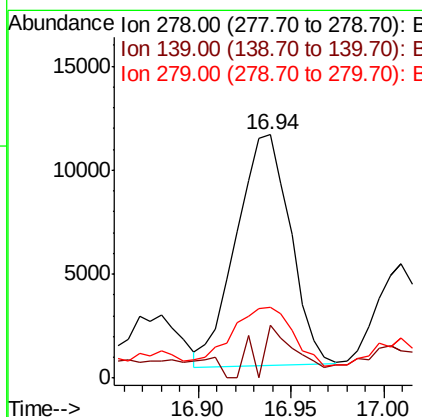
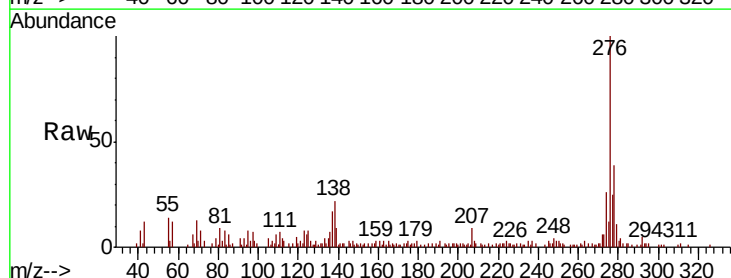
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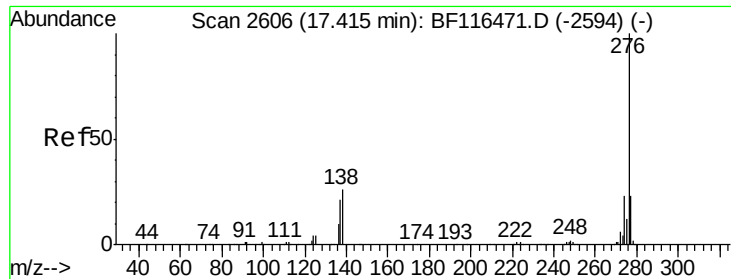
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#91
Dibenzo(a,h)anthracene
Concen: 3.215 ng m
RT: 16.94 min Scan# 2525
Delta R.T. -0.00 min
Lab File: BF116640.D
Acq: 29 Aug 2019 2:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.6	14.1	21.1#
279	29.2	19.5	29.3





#92
 Benzo(a,h,i)perylene
 Concen: 10.254 ng
 RT: 17.37 min Scan# 2598
 Delta R.T. 0.01 min
 Lab File: BF116640.D
 Acq: 29 Aug 2019 2:51

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-082619

Tot Ion:	276	Resp:	75083
Ion Ratio		Lower	Upper
276	100		
277	25.0	19.0	28.4
138	23.9	18.2	27.2

Manual Integrations
 APPROVED

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