

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
 Data File : BF116403.D
 Acq On : 19 Aug 2019 22:22
 Operator : HP/JU
 Sample : K4223-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Manual Integrations
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Quant Time: Aug 20 11:32:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	98101	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	388821	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	212955	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	403774	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	295209	20.00	ng	-0.02
87) Perylene-d12	15.42	264	293951	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	610100	104.11	ng	-0.01
7) Phenol-d6	6.45	99	815116	110.25	ng	-0.02
23) Nitrobenzene-d5	7.37	82	498518	74.01	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	224451	108.71	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	758586	66.72	ng	-0.02
79) Terphenyl-d14	12.90	244	900275	64.26	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.55	163	208867	14.405	ng	99
71) Phenanthrene	11.35	178	51191	2.480	ng	98
75) Fluoranthene	12.54	202	96193	4.451	ng	99
78) Pyrene	12.77	202	86375	3.881	ng	97
81) Benzo(a)anthracene	13.96	228	38909m	2.062	ng	
83) Chrysene	13.99	228	39453m	2.154	ng	
88) Benzo(b)fluoranthene	15.01	252	41882m	2.464	ng	

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

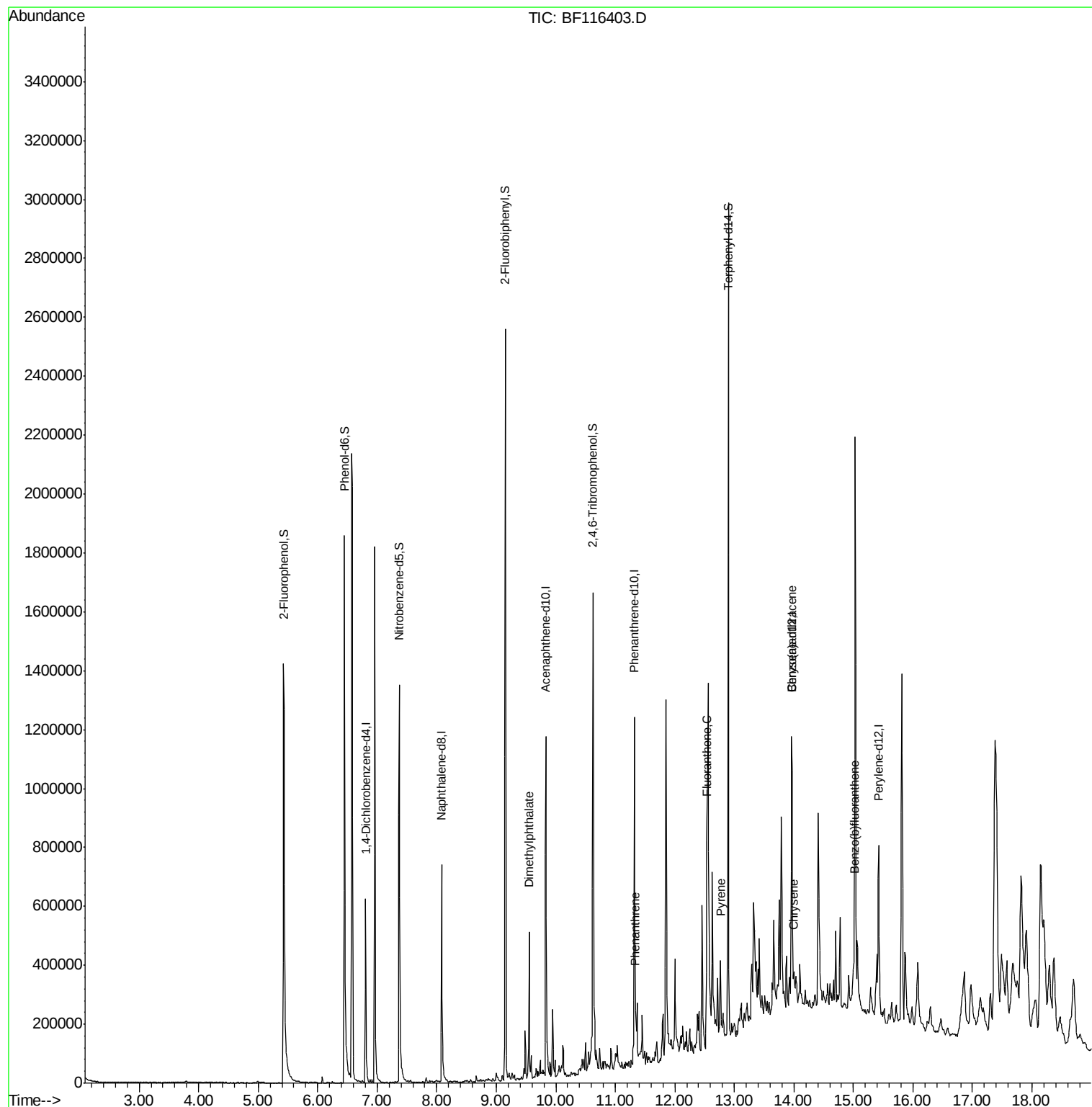
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
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ALS Vial : 12 Sample Multiplier: 1

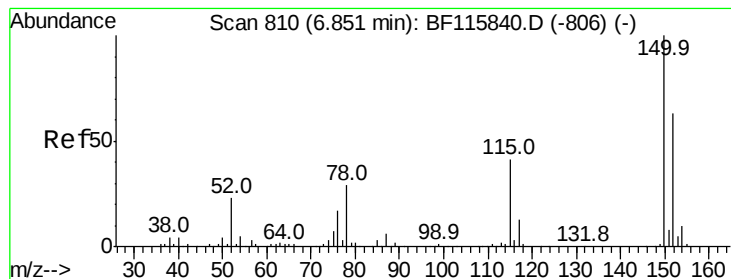
Instrument :
BNA_F
ClientSampleId :
SP-5

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Instrument :

BNA_F

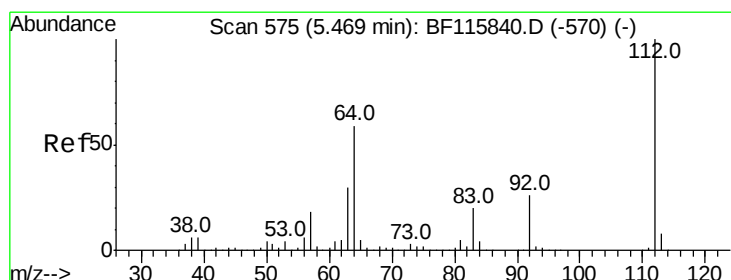
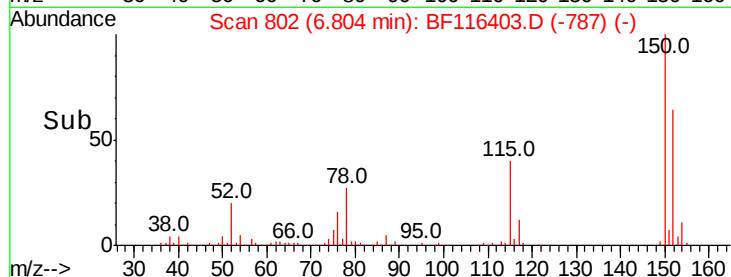
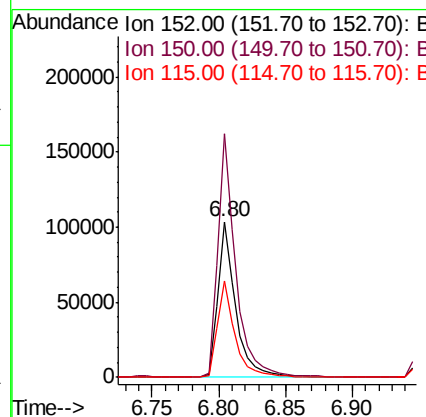
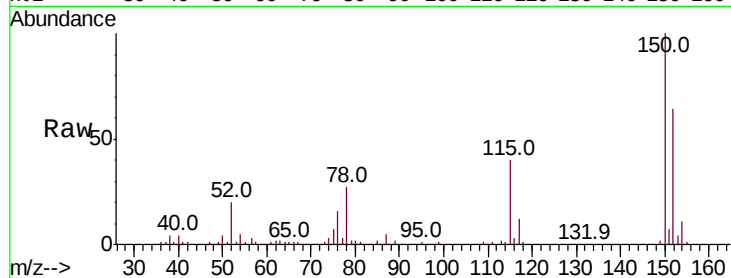
ClientSampled :

SP-5

Tot Ion:	152	Resp:	98101
Ion Ratio	Lower	Upper	
152	100		
150	156.7	126.2	189.2
115	62.0	49.9	74.9

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#5

2-Fluorophenol

Concen: 104.112 ng

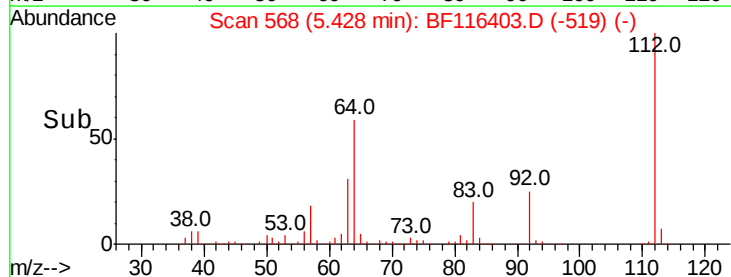
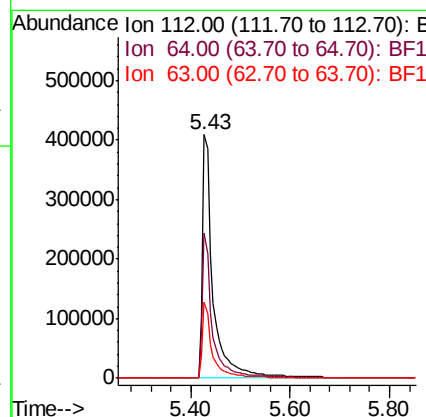
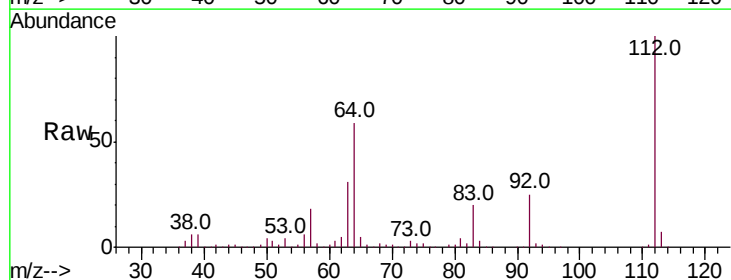
RT: 5.43 min Scan# 568

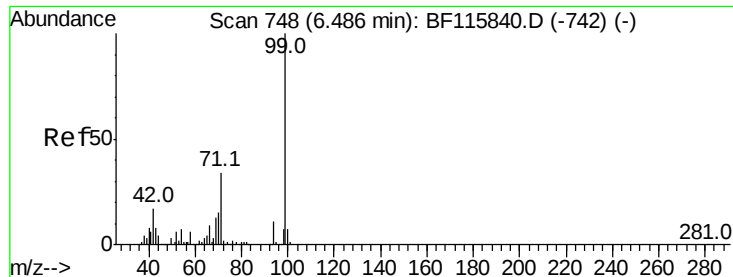
Delta R.T. -0.01 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Tgt Ion:	112	Resp:	610100
Ion Ratio	Lower	Upper	
112	100		
64	59.4	45.4	68.2
63	30.9	23.7	35.5





#7

Phenol-d6

Concen: 110.248 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Instrument :

BNA_F

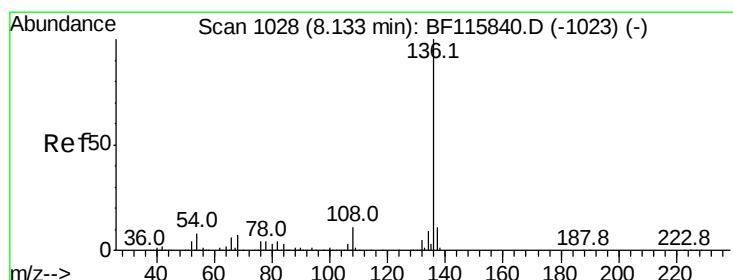
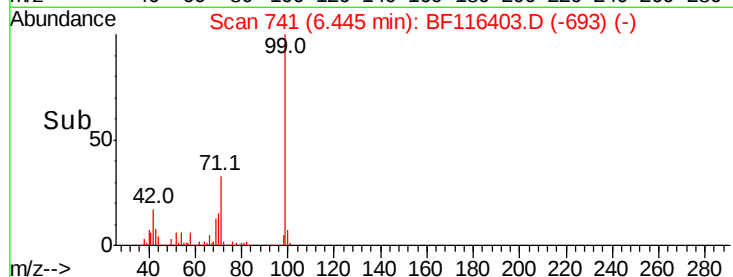
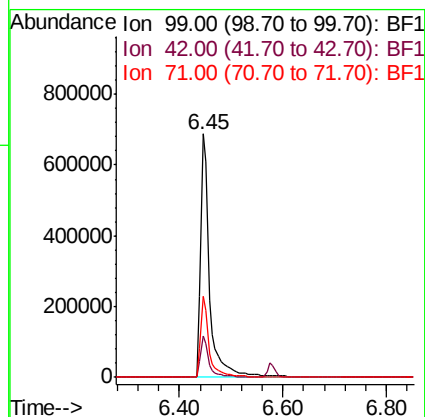
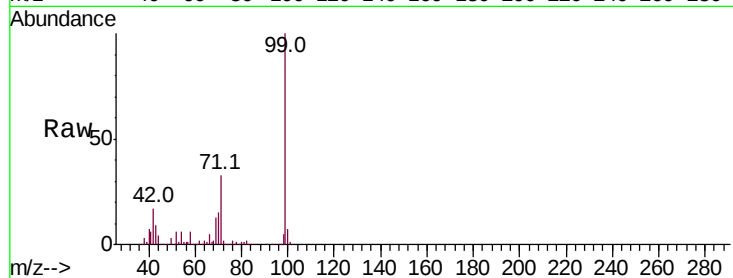
ClientSampleId :

SP-5

Tot Ion:	99	Resp:	815116
Ion Ratio	Lower	Upper	
99	100		
42	17.0	13.8	20.8
71	33.2	27.3	40.9

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#21

Naphthalene-d8

Concen: 20.000 ng

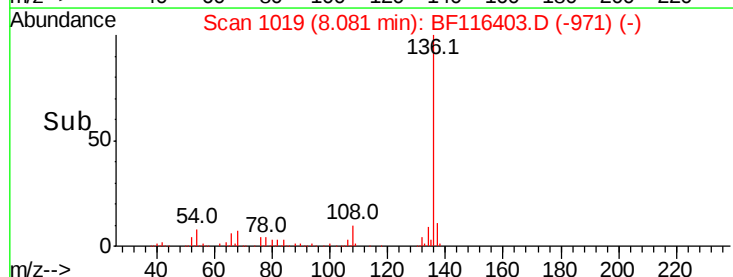
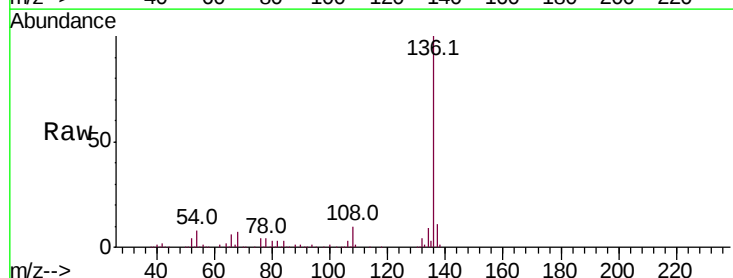
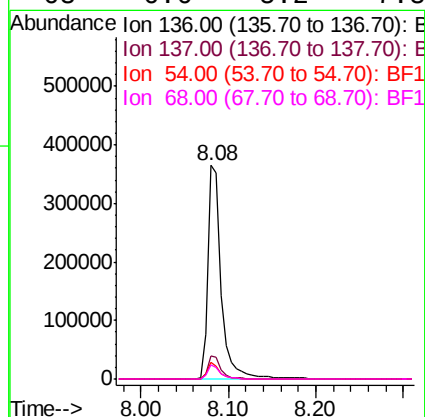
RT: 8.08 min Scan# 1019

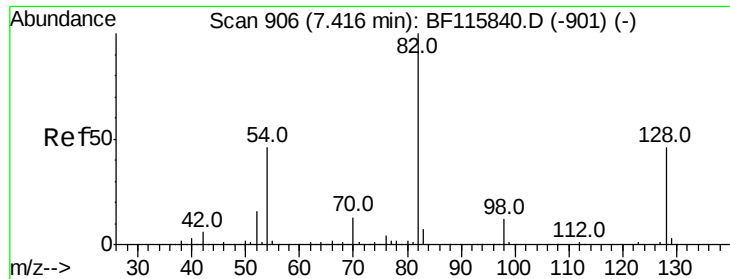
Delta R.T. -0.02 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Tgt Ion:	136	Resp:	388821
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	7.6	5.8	8.6
68	6.6	5.2	7.8





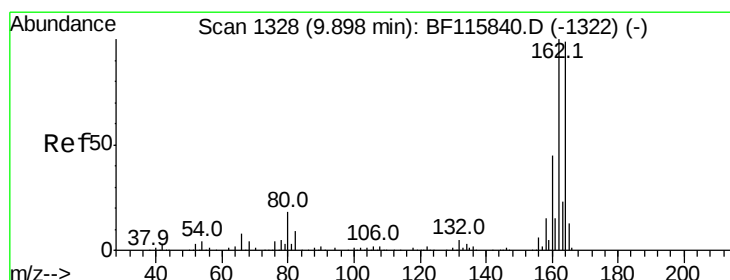
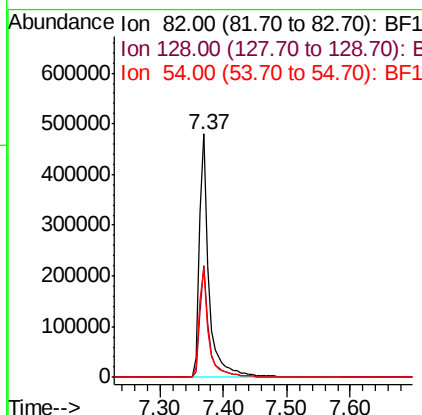
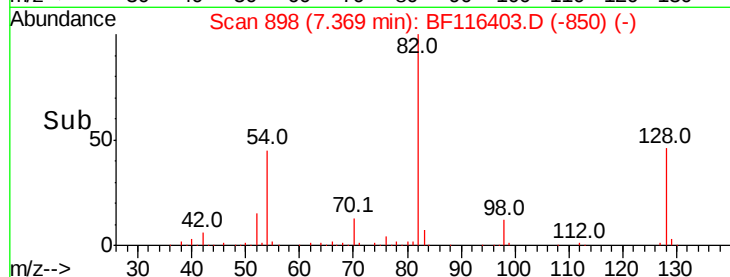
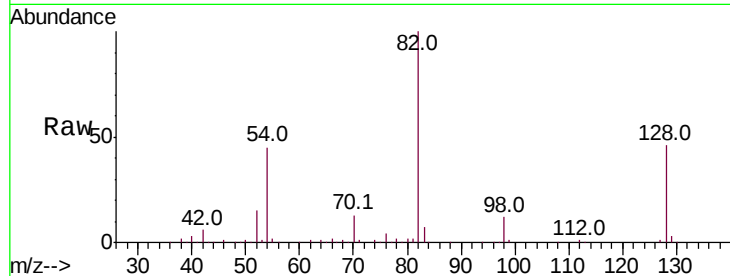
#23
 Nitrobenzene-d5
 Concen: 74.008 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF116403.D
 Acq: 19 Aug 2019 22:22

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.5	54.7
54	44.9	36.0	54.0

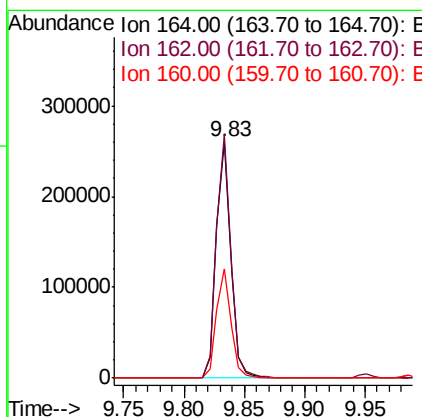
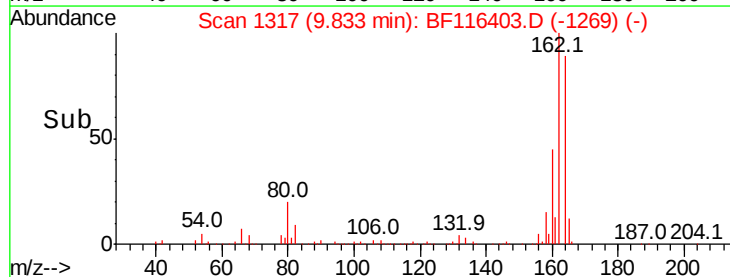
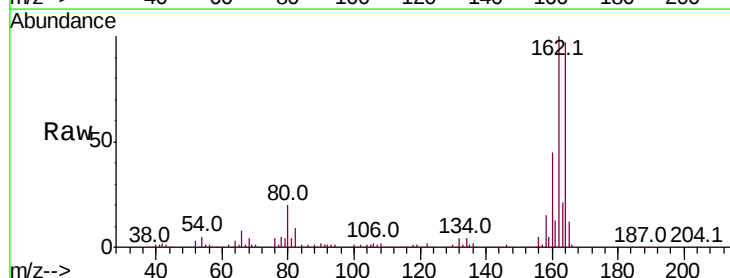
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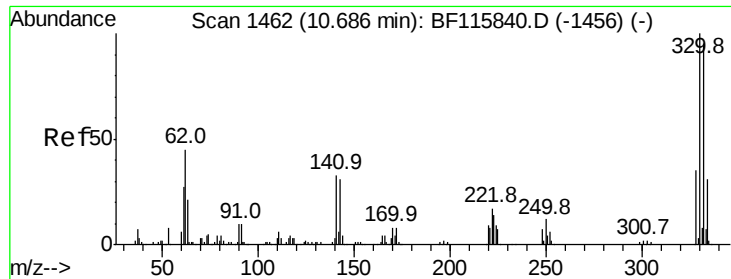
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BF116403.D
 Acq: 19 Aug 2019 22:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	124.0
160	46.0	37.6	56.4





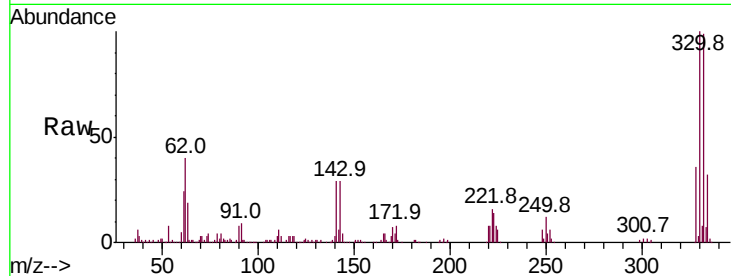
#42
 2,4,6-Tribromophenol
 Concen: 108.711 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF116403.D
 Acq: 19 Aug 2019 22:22

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	224451		
332	97.4	76.8	115.2	
141	35.0	26.3	39.5	

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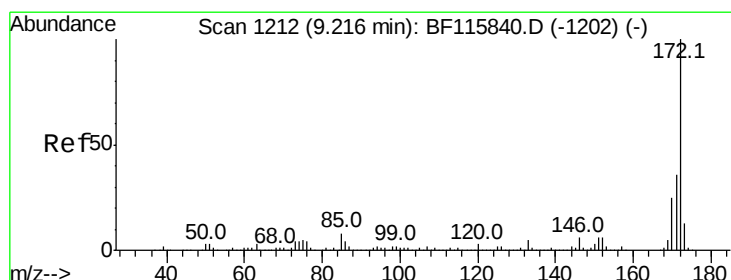
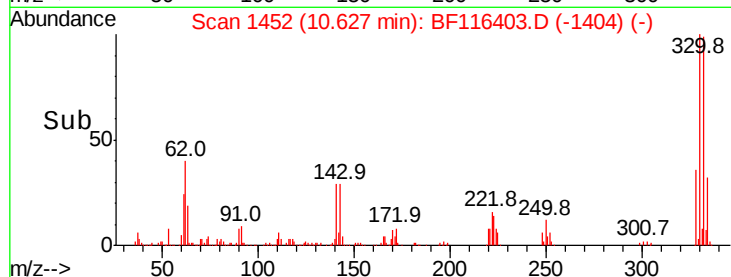
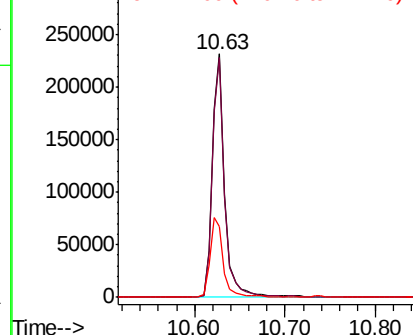


Abundance

Ion 329.80 (329.50 to 330.50): E

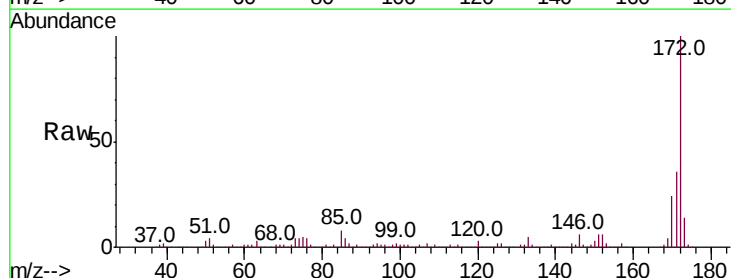
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 66.722 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF116403.D
 Acq: 19 Aug 2019 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	758586		
171	35.8	29.6	44.4	
170	24.3	20.1	30.1	

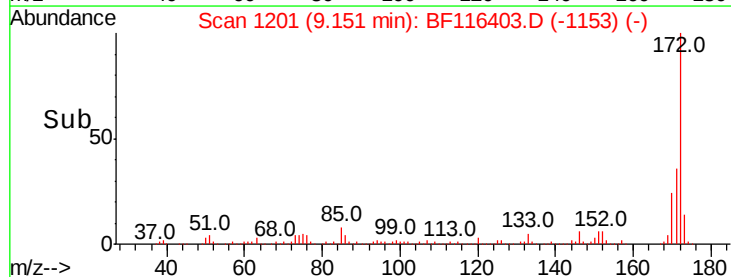
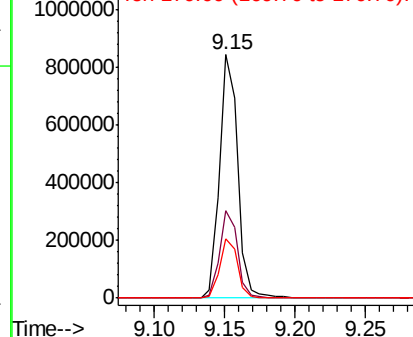


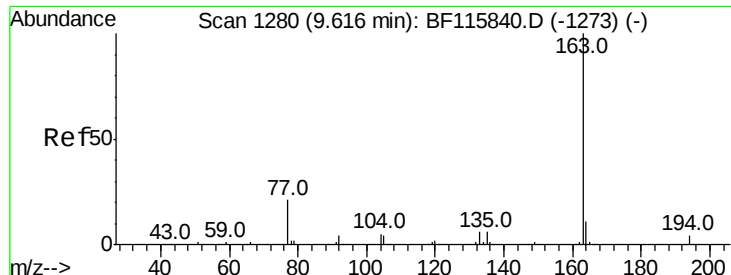
Abundance

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





#50

Dimethylphthalate

Concen: 14.405 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Instrument :

BNA_F

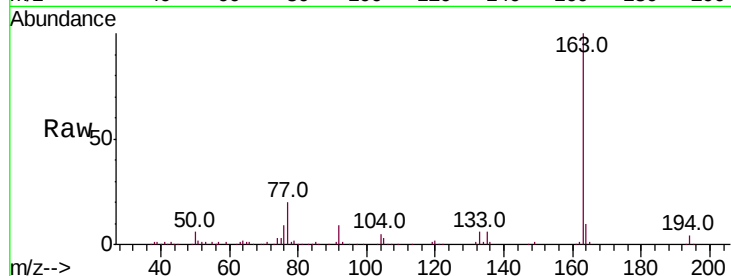
ClientSampleId :

SP-5

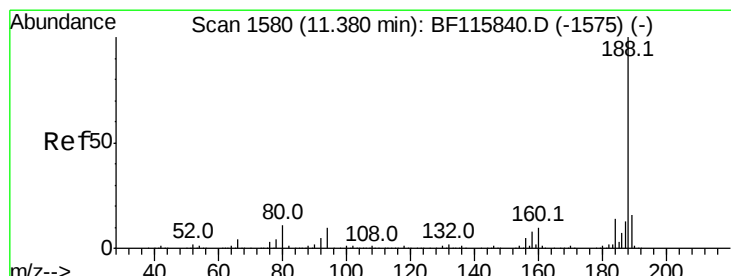
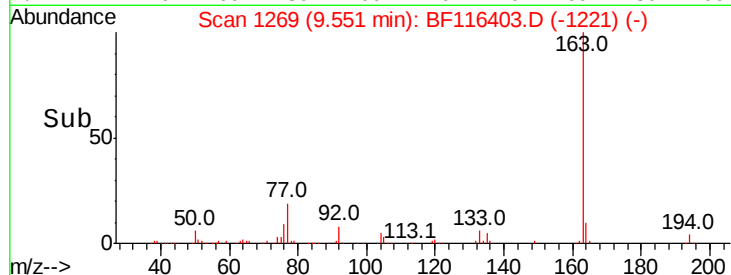
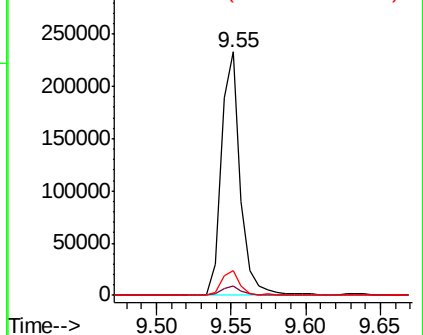
Tot Ion	Ratio	Resp	Lower	Upper
163	100	208867		
194	4.0		3.0	4.6
164	9.9		8.4	12.6

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

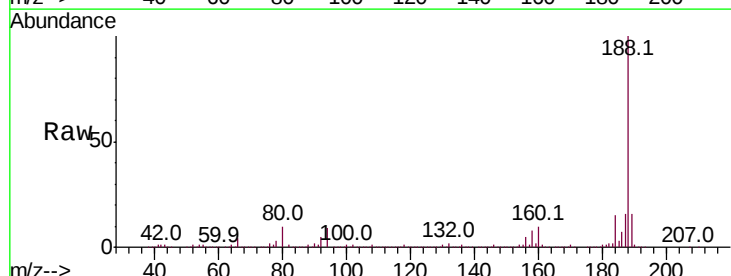
RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

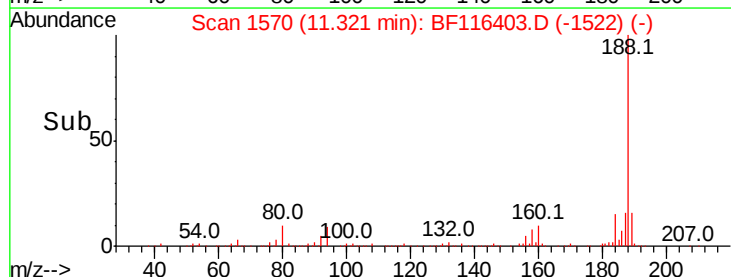
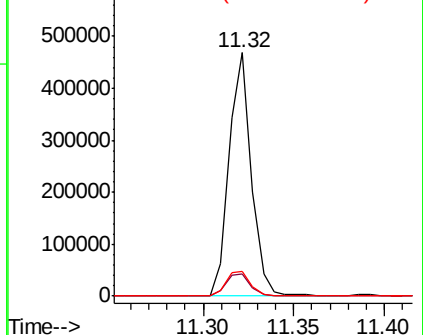
Lab File: BF116403.D

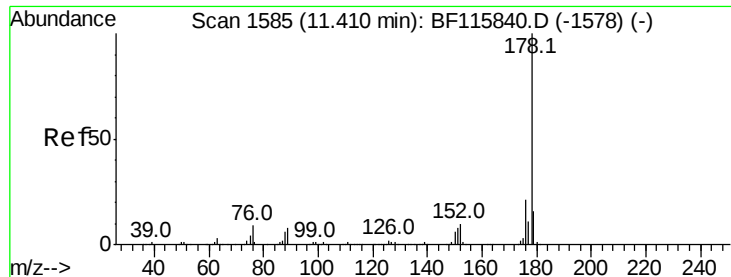
Acq: 19 Aug 2019 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	403774		
94	9.3		8.1	12.1
80	9.9		8.7	13.1



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: 2.480 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Instrument :

BNA_F

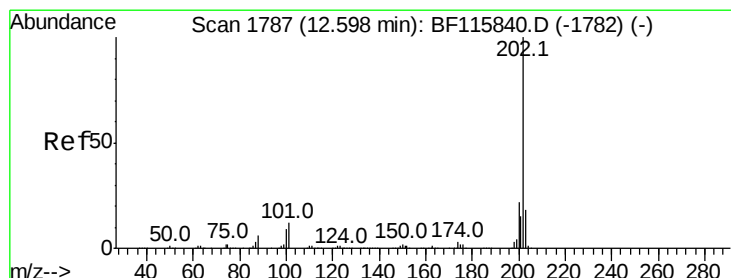
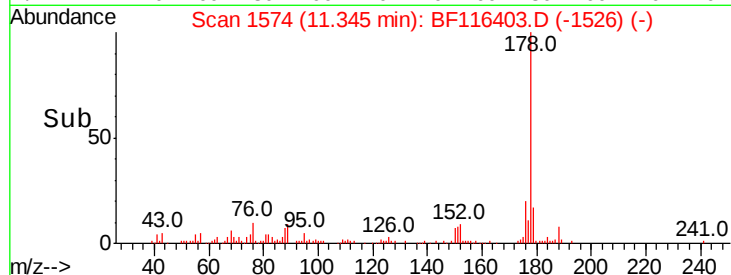
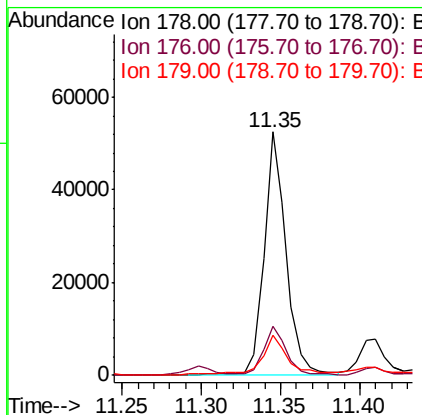
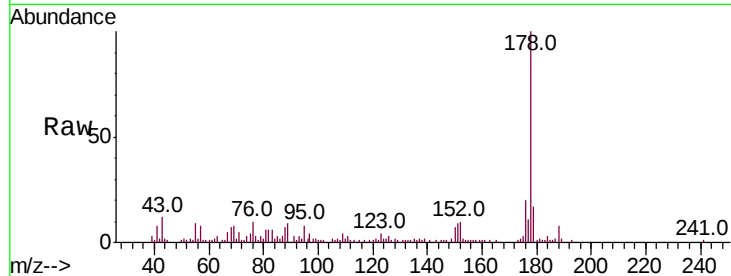
ClientSampleId :

SP-5

Tot Ion:178	Resp:	51191
Ion Ratio	Lower	Upper
178	100	
176	20.1	16.6 24.8
179	16.5	12.5 18.7

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#75

Fluoranthene

Concen: 4.451 ng

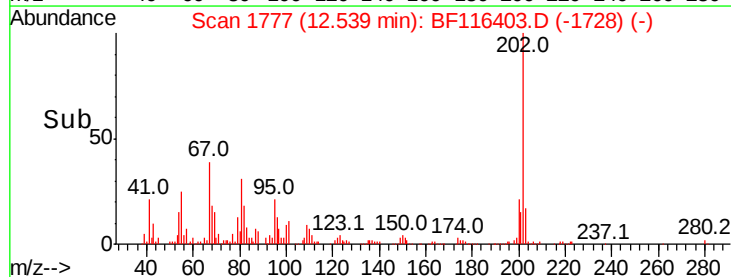
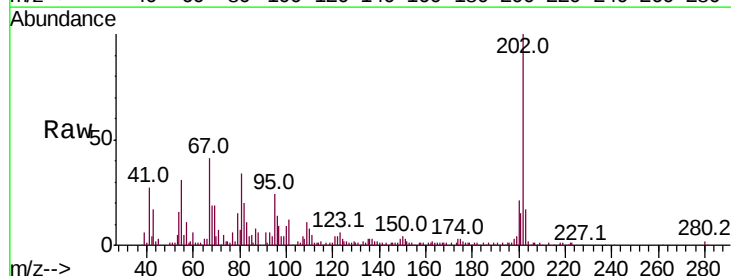
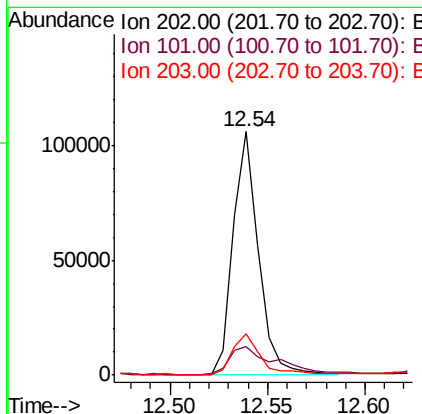
RT: 12.54 min Scan# 1777

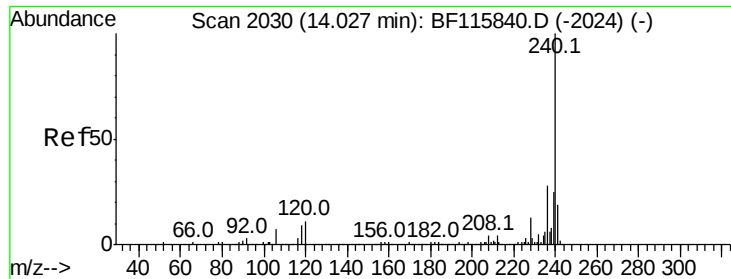
Delta R.T. -0.01 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Tgt Ion:202	Resp:	96193
Ion Ratio	Lower	Upper
202	100	
101	11.7	0.0 31.2
203	17.2	0.0 37.8





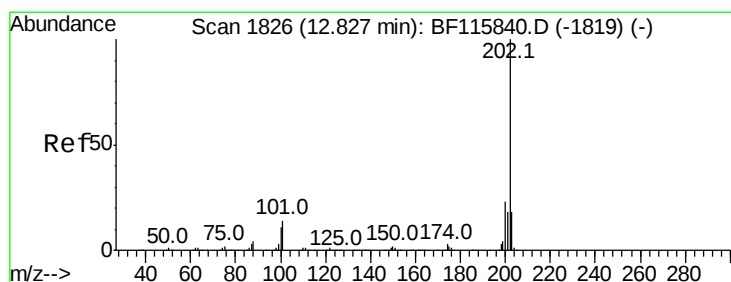
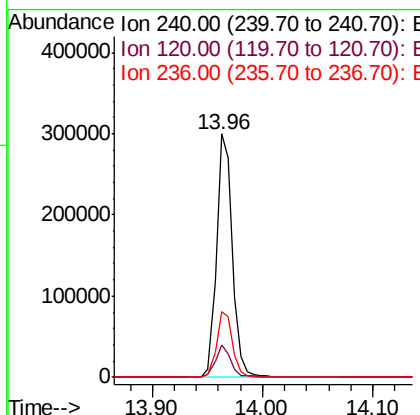
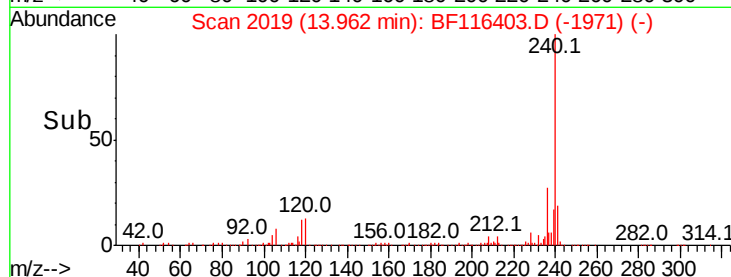
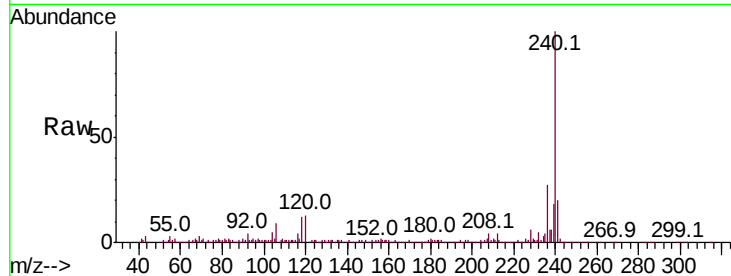
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF116403.D
Acq: 19 Aug 2019 22:22

Instrument :
BNA_F
ClientSampleId :
SP-5

Tot Ion	Ratio	Resp	Lower	Upper
240	100	295209		
120	13.1	10.7	16.1	
236	26.8	22.2	33.2	

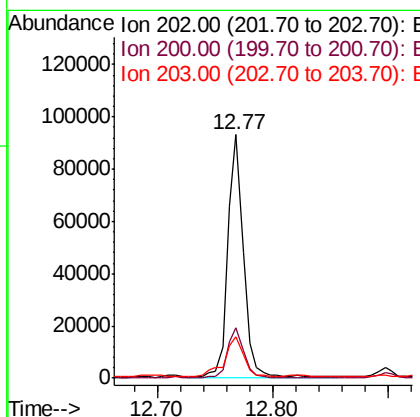
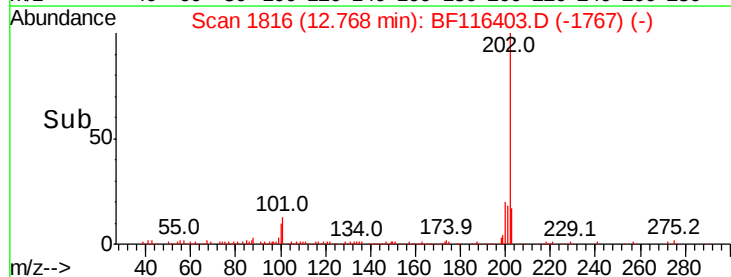
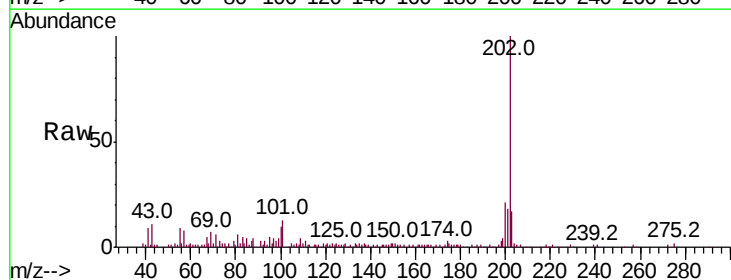
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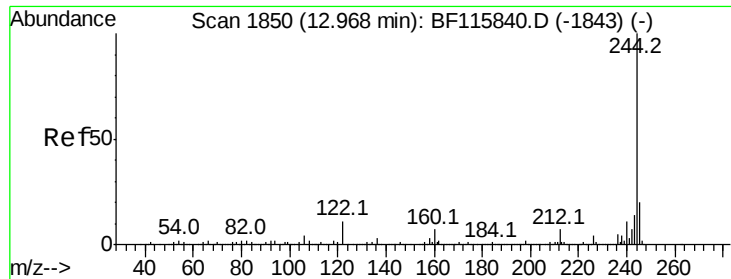
mohammad
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#78
Pyrene
Concen: 3.881 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF116403.D
Acq: 19 Aug 2019 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	86375		
200	20.7	18.0	27.0	
203	17.2	14.1	21.1	





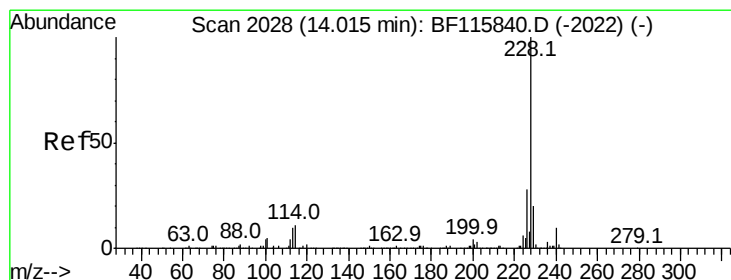
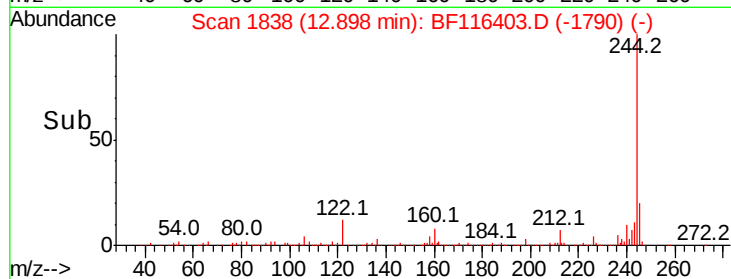
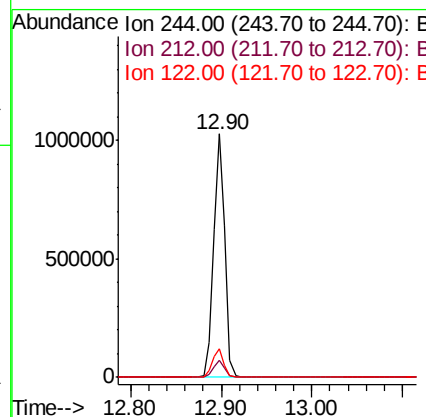
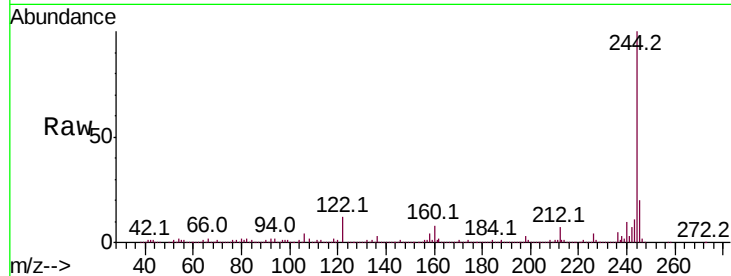
#79
 Terphenyl-d14
 Concen: 64.261 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF116403.D
 Acq: 19 Aug 2019 22:22

Instrument :
 BNA_F
 ClientSampled :
 SP-5

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	11.7	9.0	13.4

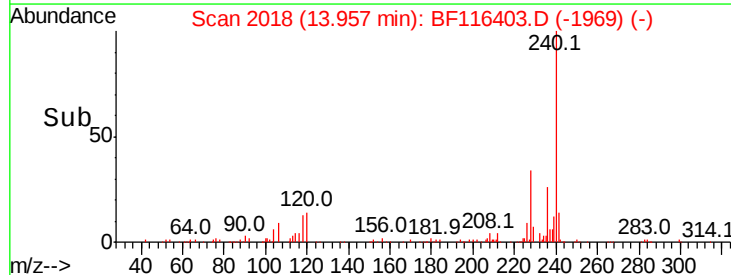
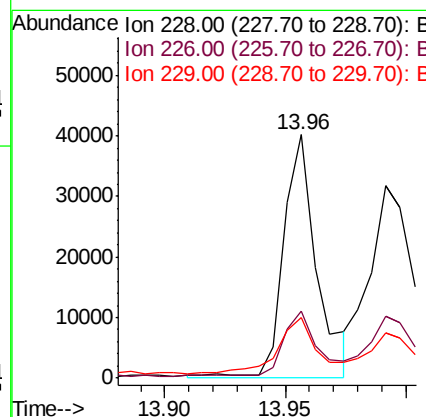
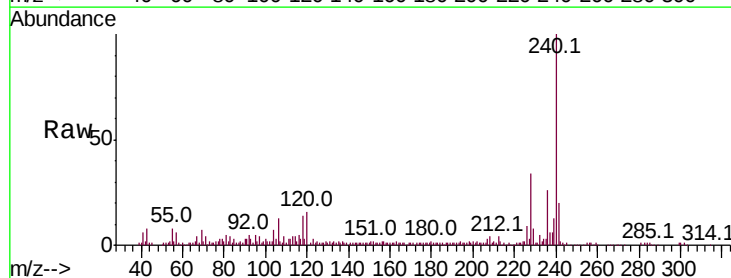
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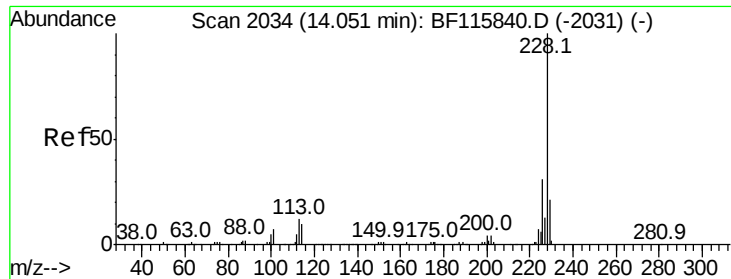
mohammad
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#81
 Benzo(a)anthracene
 Concen: 2.062 ng m
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF116403.D
 Acq: 19 Aug 2019 22:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.7	34.1
229	24.6	16.2	24.4#





#83

Chrysene

Concen: 2.154 ng/mL

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Instrument :

BNA_F

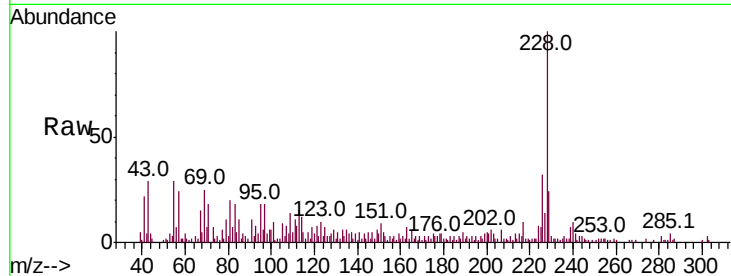
ClientSampled :

SP-5

Tot Ion:	228	Resp:	39453
Ion Ratio	Lower	Upper	
228	100		
226	32.0	25.5	38.3
229	23.6	16.6	24.8

Manual Integrations
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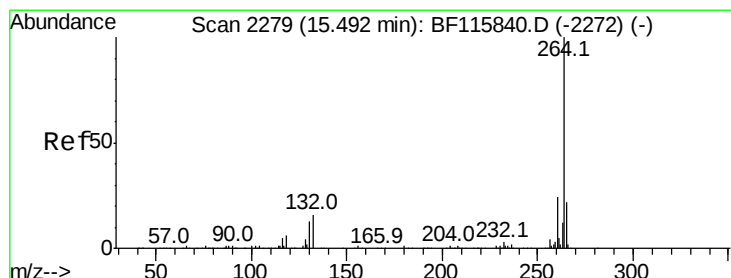
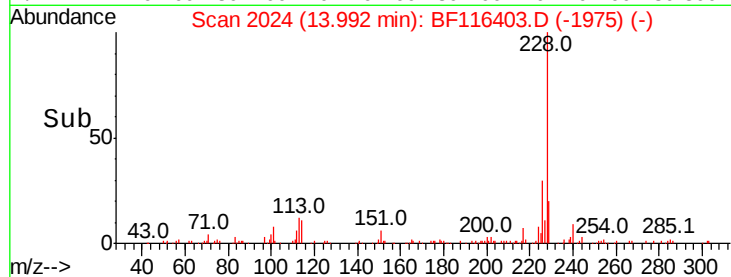
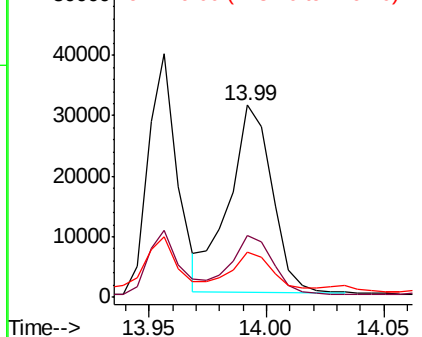


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng/mL

RT: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

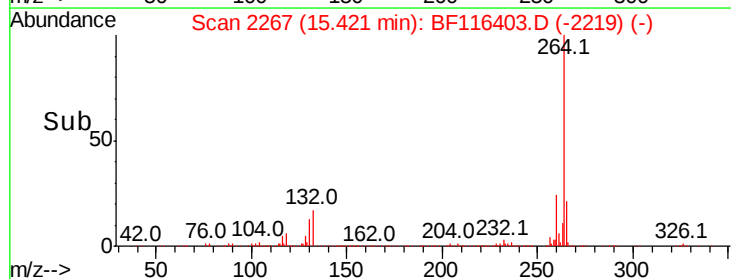
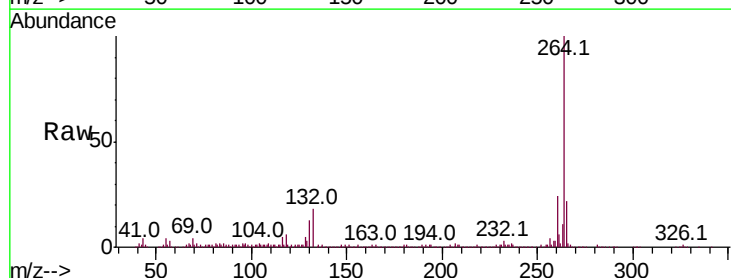
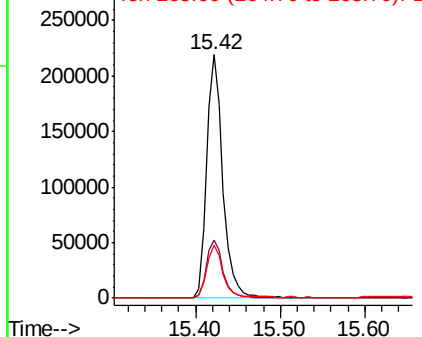
Tgt Ion:	264	Resp:	293951
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.7	29.5
265	21.5	17.4	26.0

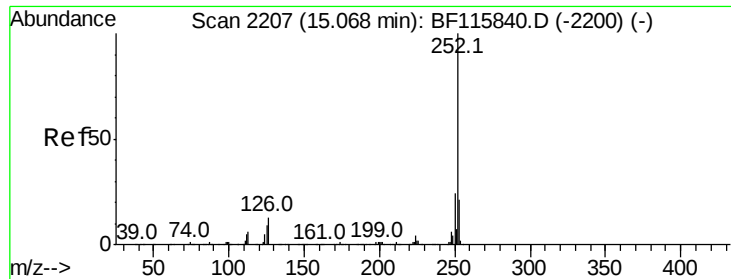
Abundance

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: 2.464 ng/mL

RT: 15.01 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BF116403.D

Acq: 19 Aug 2019 22:22

Instrument :

BNA_F

ClientSampleId :

SP-5

Tot Ion:	252	Resp:	41882
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.8
125	21.2	8.4	12.6

Manual Integrations
APPROVED

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