

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
 Data File : BF116409.D
 Acq On : 20 Aug 2019 1:05
 Operator : HP/JU
 Sample : K4223-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-6

Manual Integrations
 APPROVED

mohammad
 8/22/2019 12:45:48 PM

Quant Time: Aug 20 03:55:34 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	105612	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	409714	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	226538	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	413353	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	259915	20.00	ng	-0.02
87) Perylene-d12	15.42	264	302740	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	632488	100.26	ng	0.00
7) Phenol-d6	6.45	99	850078	106.80	ng	-0.01
23) Nitrobenzene-d5	7.37	82	528191	74.41	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	236599	107.72	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	847520	70.08	ng	-0.01
79) Terphenyl-d14	12.90	244	855107	69.32	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.55	163	201820	13.084	ng	98
71) Phenanthrene	11.35	178	49846	2.359	ng	98
75) Fluoranthene	12.54	202	85632	3.871	ng	98
78) Pyrene	12.77	202	72358	3.693	ng	98
88) Benzo(b)fluoranthene	15.01	252	42123m	2.406	ng	

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

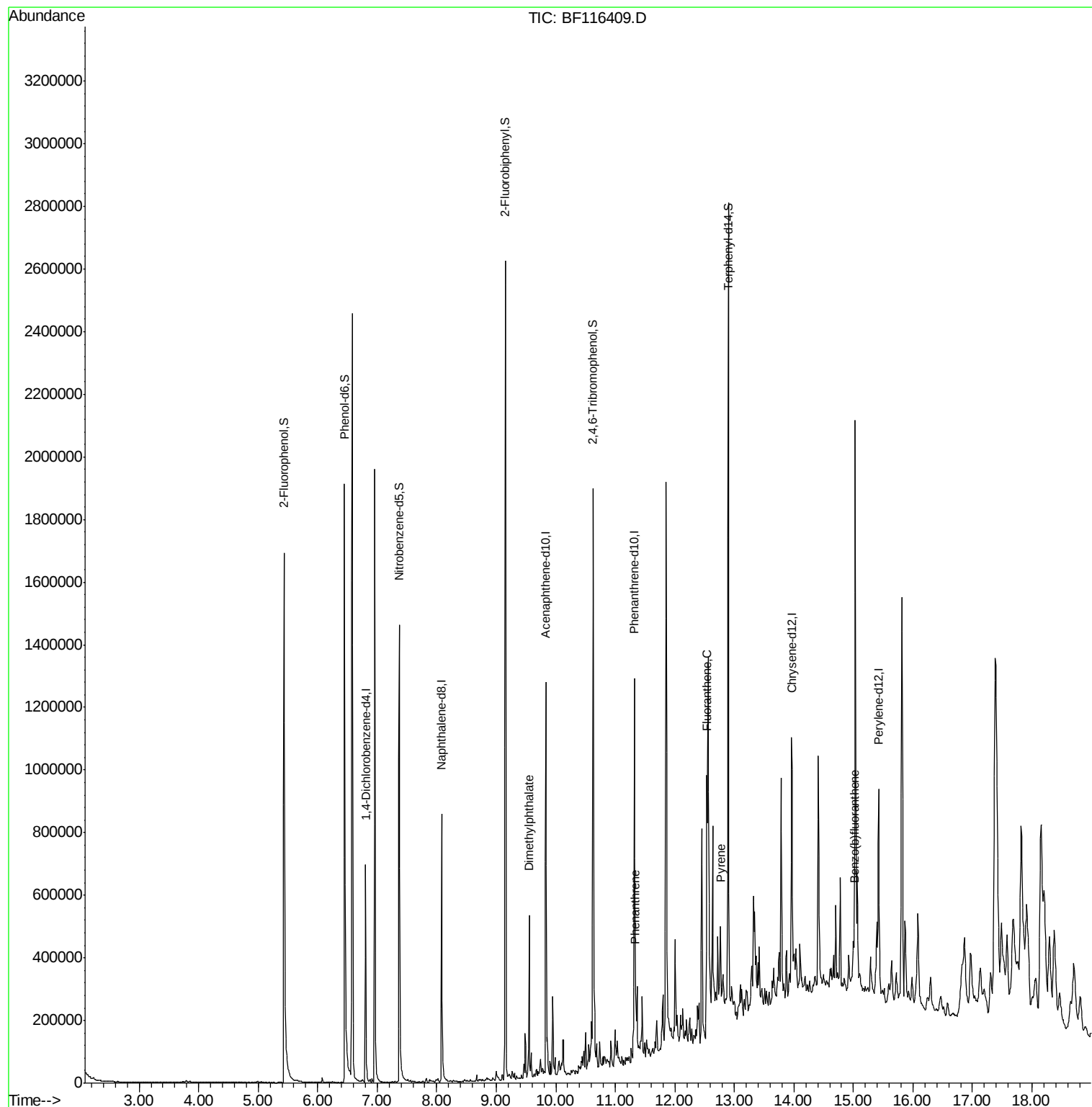
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116409.D
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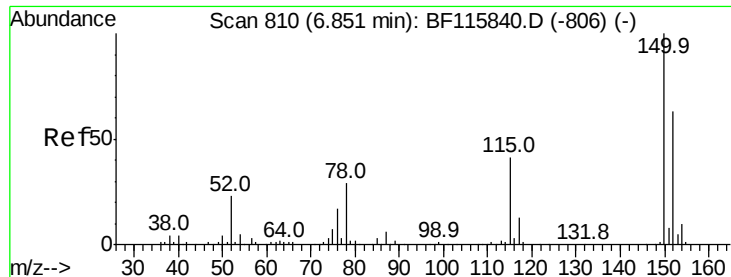
Instrument :
BNA_F
ClientSampleId :
SP-6

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#1

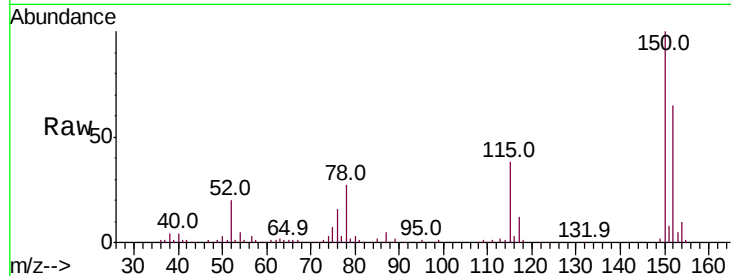
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116409.D
Acq: 20 Aug 2019 1:05

Instrument :
BNA_F
ClientSampled :
SP-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.2	189.2
115	59.0	49.9	74.9

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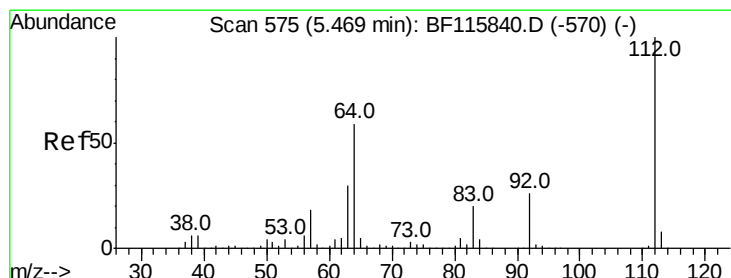
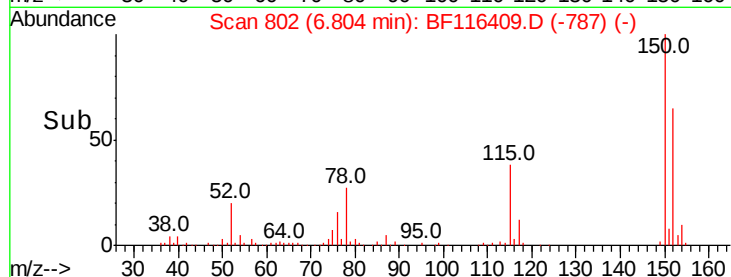
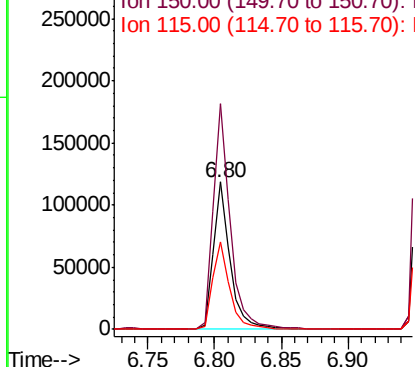


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

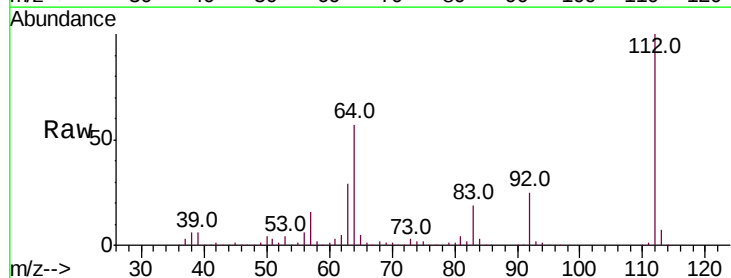
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.256 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF116409.D
Acq: 20 Aug 2019 1:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	45.4	68.2
63	29.5	23.7	35.5

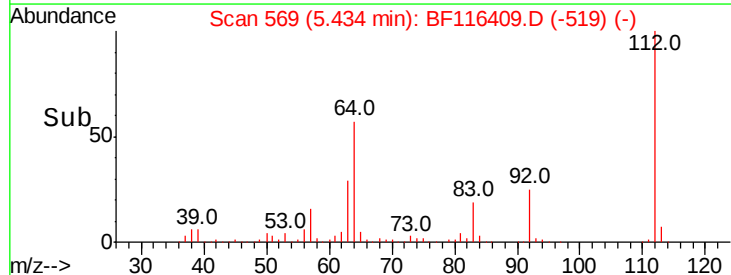
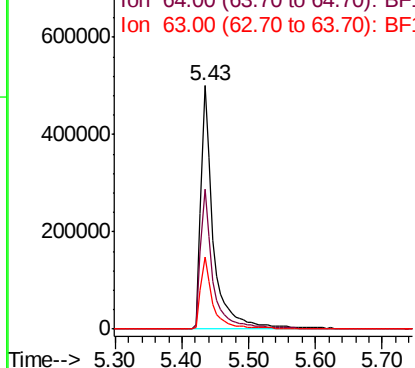


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 106.799 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Instrument :

BNA_F

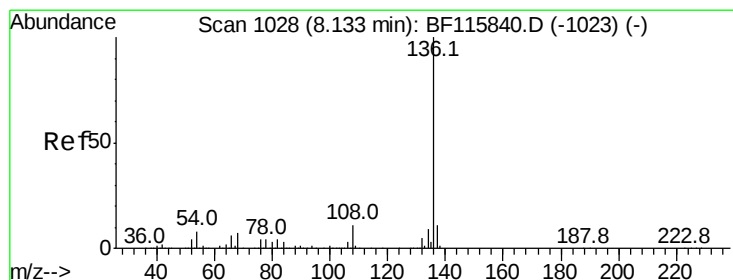
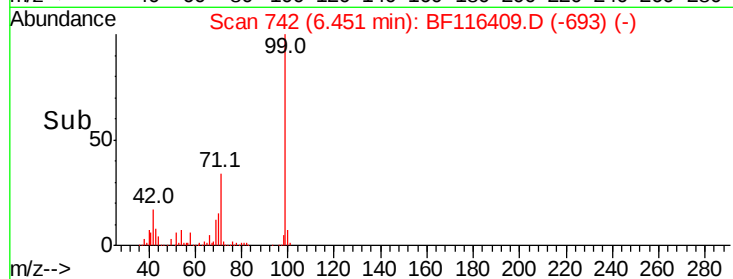
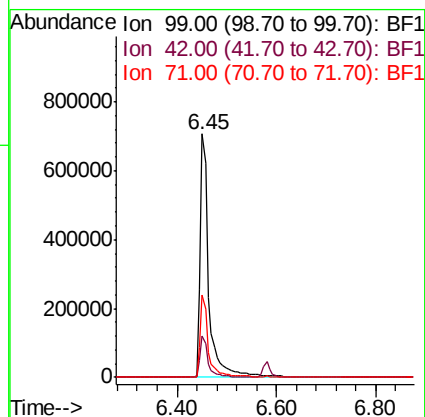
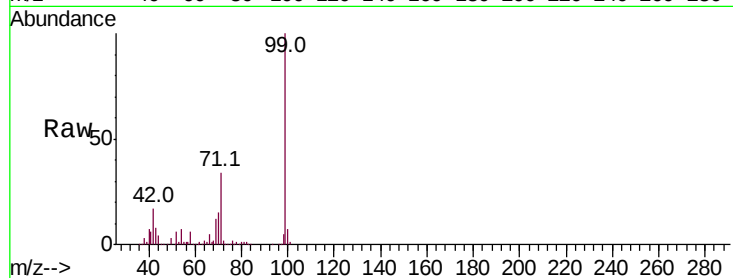
ClientSampleId :

SP-6

Tot Ion:	99	Resp:	850078
Ion Ratio	Lower	Upper	
99	100		
42	17.2	13.8	20.8
71	33.9	27.3	40.9

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#21

Naphthalene-d8

Concen: 20.000 ng

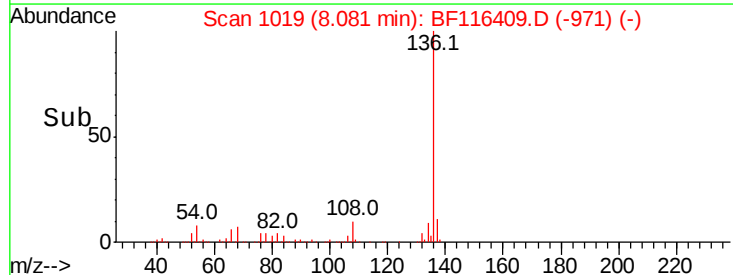
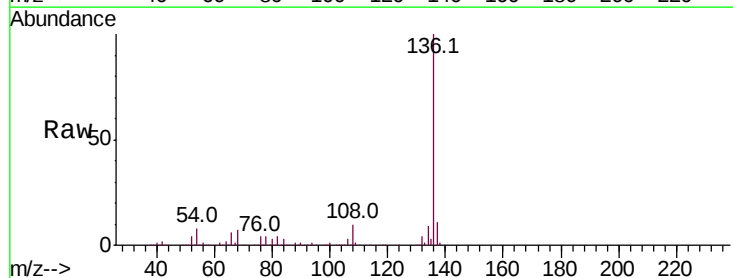
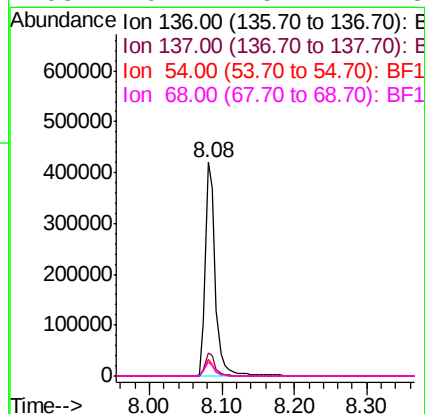
RT: 8.08 min Scan# 1019

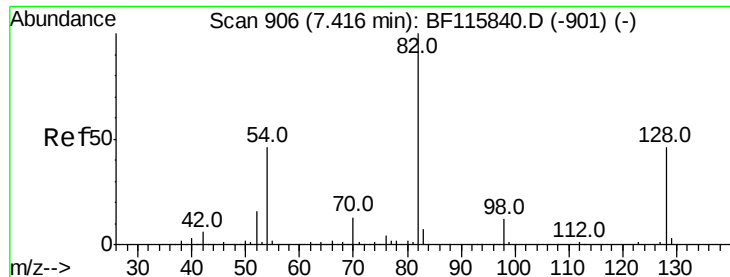
Delta R.T. -0.02 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Tgt Ion:	136	Resp:	409714
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	7.6	5.8	8.6
68	6.7	5.2	7.8





#23

Nitrobenzene-d5

Concen: 74.415 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Instrument :

BNA_F

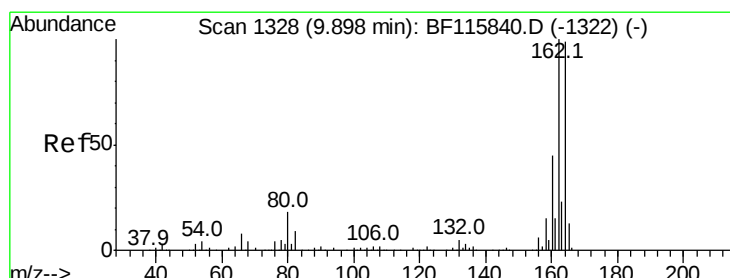
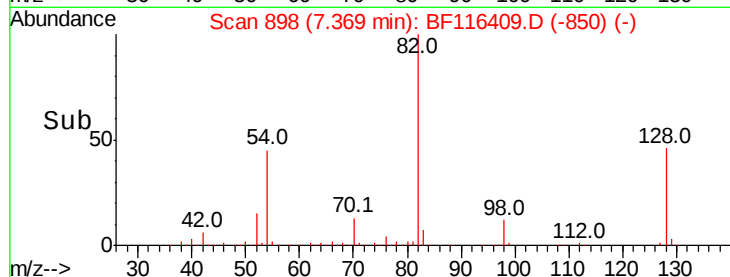
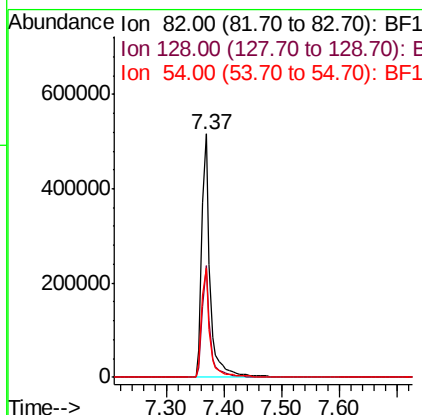
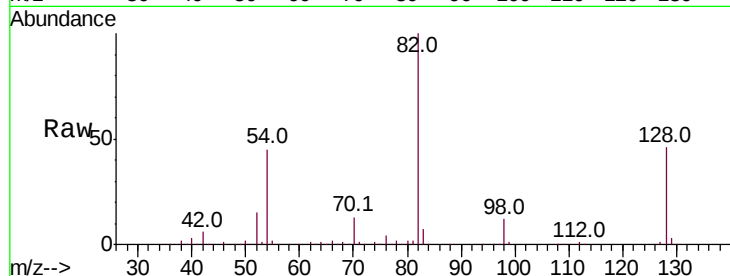
ClientSampleId :

SP-6

Tot Ion:	82	Resp:	528191
Ion Ratio	Lower	Upper	
82	100		
128	46.1	36.5	54.7
54	44.7	36.0	54.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

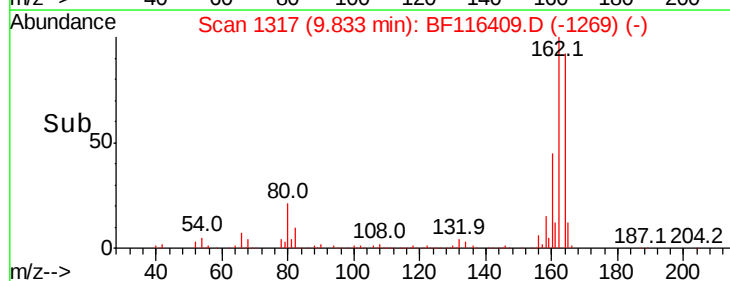
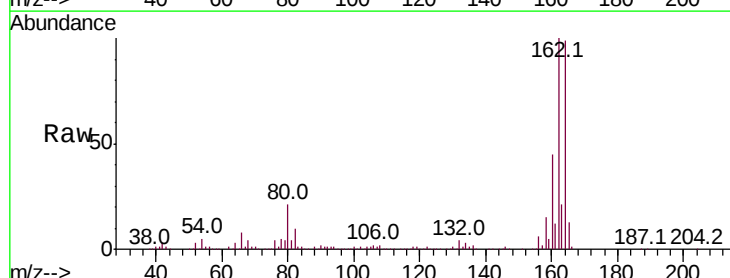
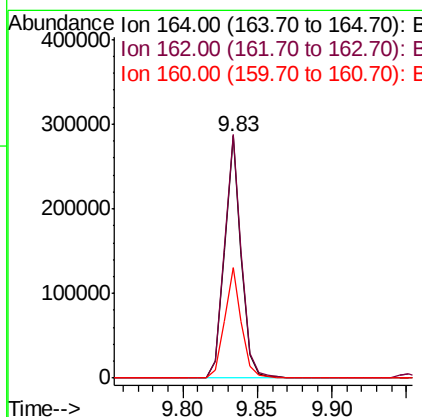
RT: 9.83 min Scan# 1317

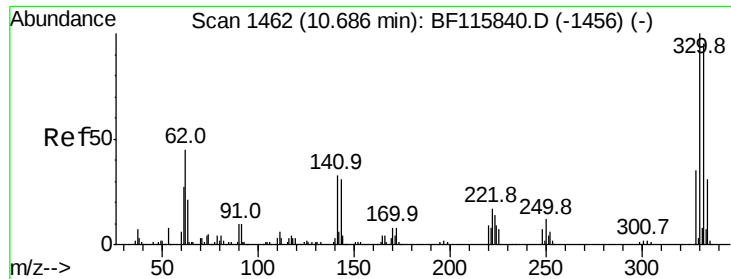
Delta R.T. -0.02 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Tgt Ion:	164	Resp:	226538
Ion Ratio	Lower	Upper	
164	100		
162	100.5	82.6	124.0
160	45.5	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 107.724 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Instrument :

BNA_F

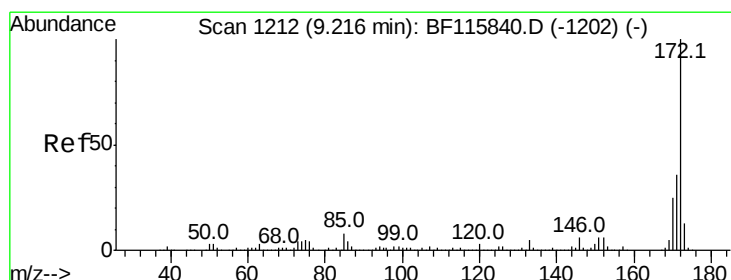
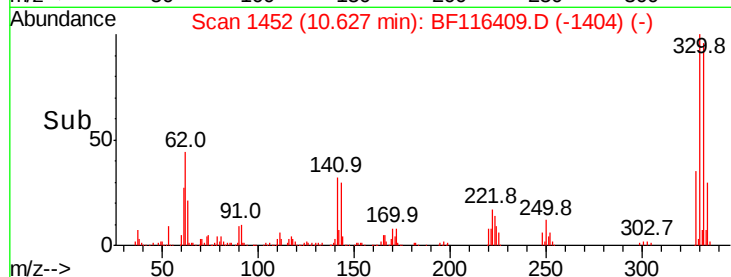
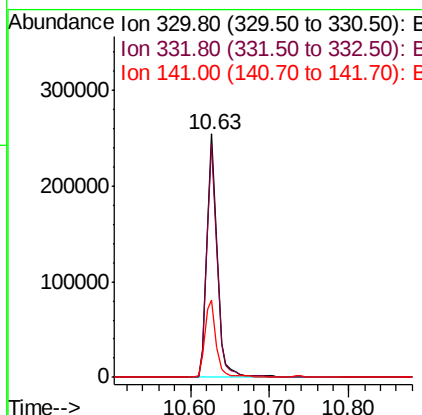
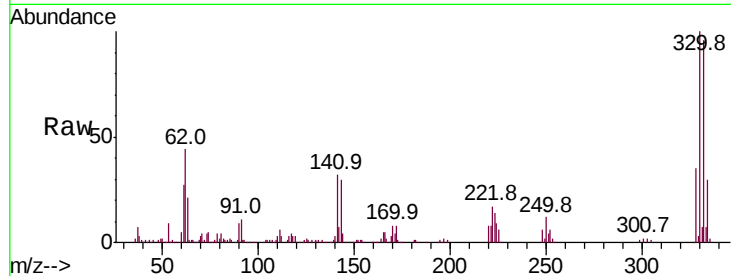
ClientSampleId :

SP-6

Tot Ion:	330	Resp:	236599
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.8	115.2
141	34.8	26.3	39.5

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#45

2-Fluorobiphenyl

Concen: 70.075 ng

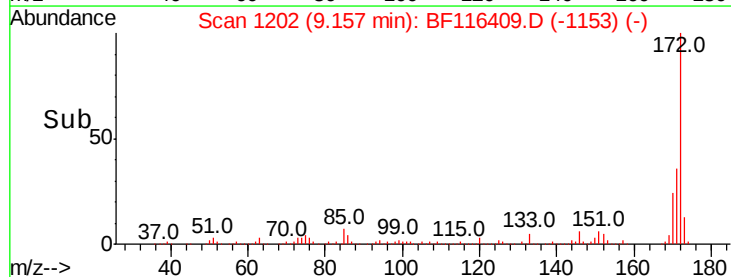
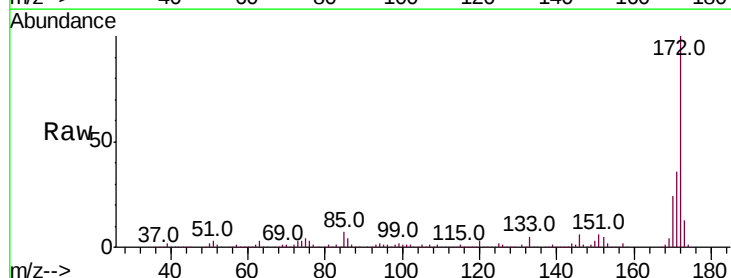
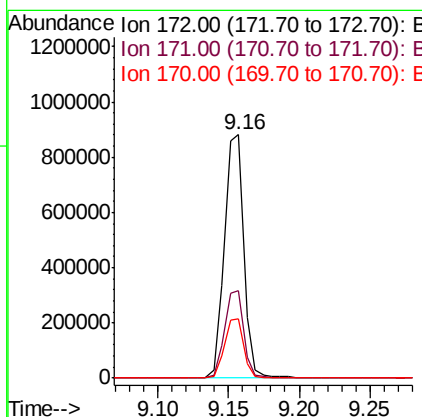
RT: 9.16 min Scan# 1202

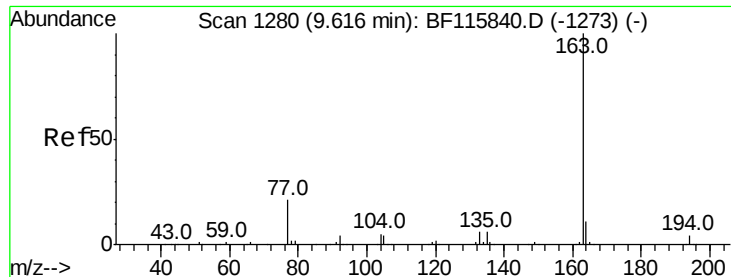
Delta R.T. -0.01 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Tgt Ion:	172	Resp:	847520
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.6	44.4
170	24.5	20.1	30.1





#50

Dimethylphthalate

Concen: 13.084 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Instrument :

BNA_F

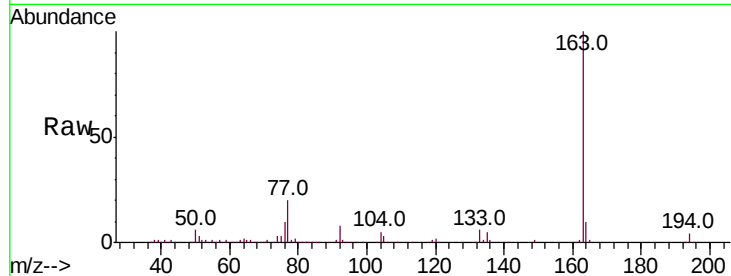
ClientSampleId :

SP-6

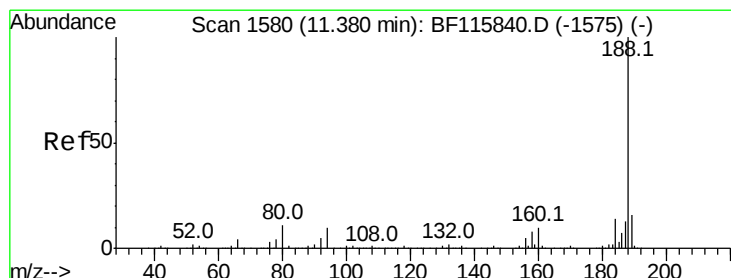
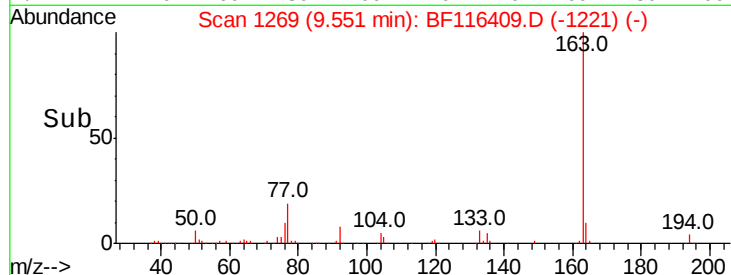
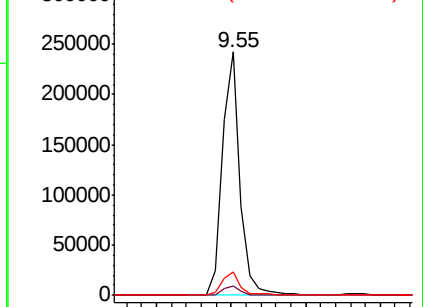
Tot Ion	Ratio	Resp	Lower	Upper
163	100	201820		
194	3.9		3.0	4.6
164	9.7		8.4	12.6

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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

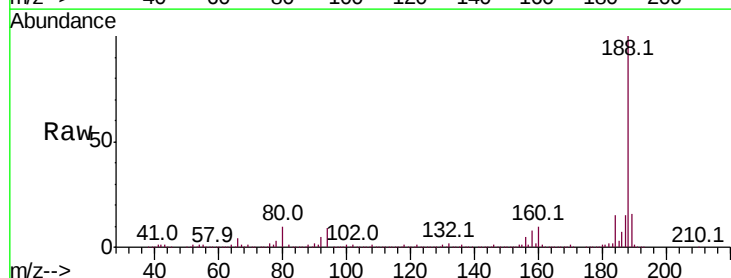
RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

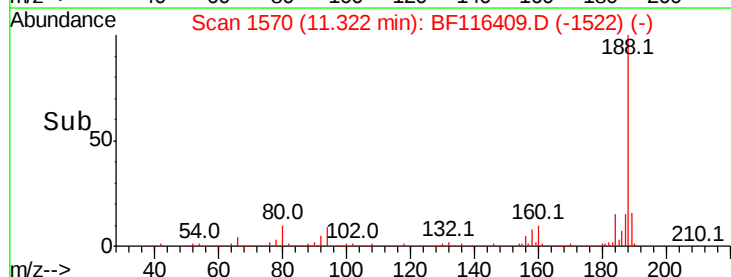
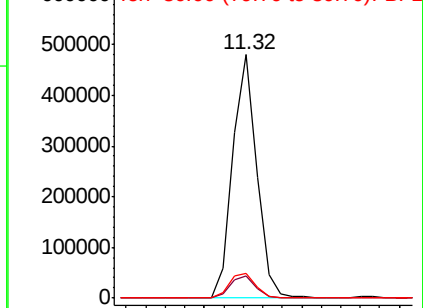
Lab File: BF116409.D

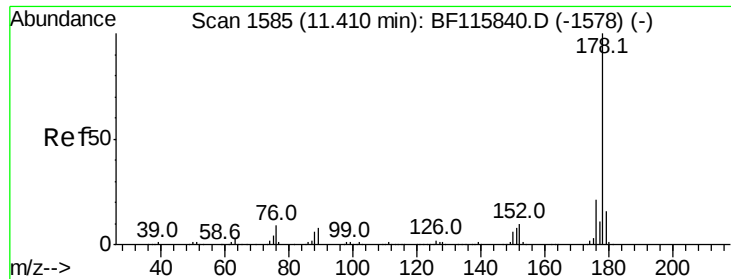
Acq: 20 Aug 2019 1:05

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	413353		
94	9.3		8.1	12.1
80	10.4		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





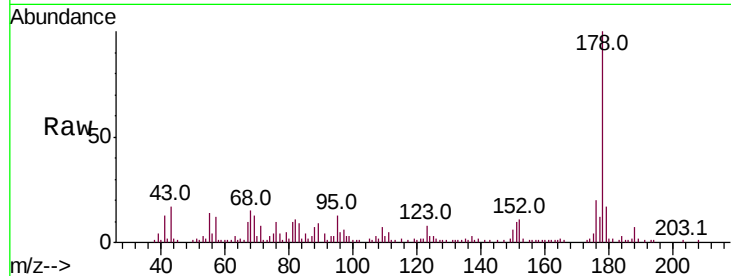
#71
Phenanthrene
Concen: 2.359 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF116409.D
Acq: 20 Aug 2019 1:05

Instrument :
BNA_F
ClientSampleId :
SP-6

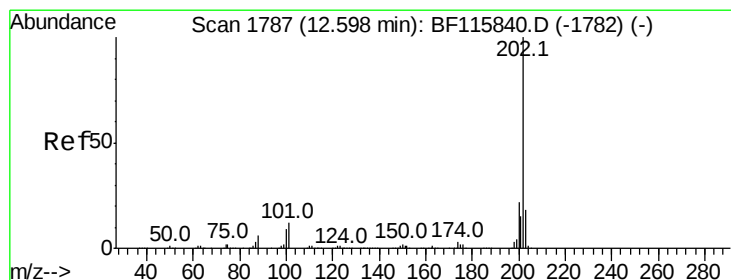
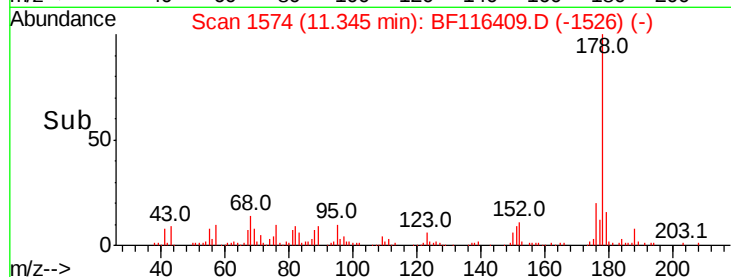
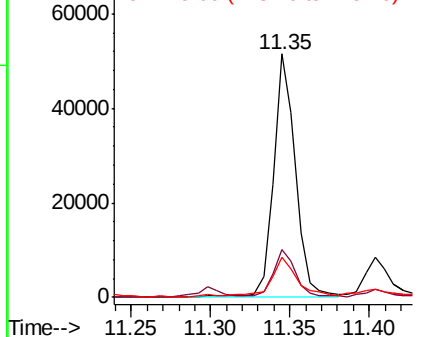
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.6	24.8
179	16.7	12.5	18.7

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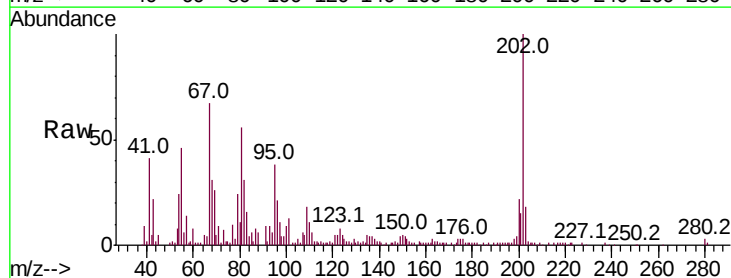


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

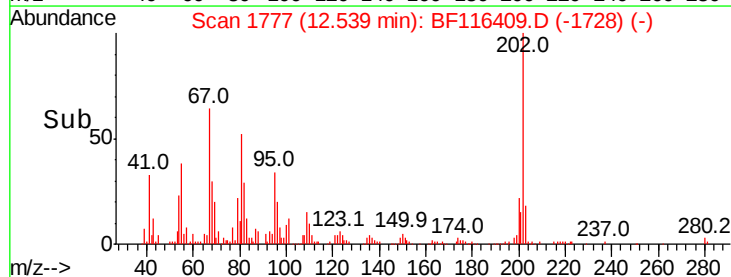
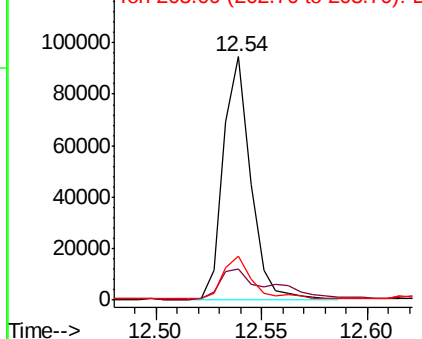


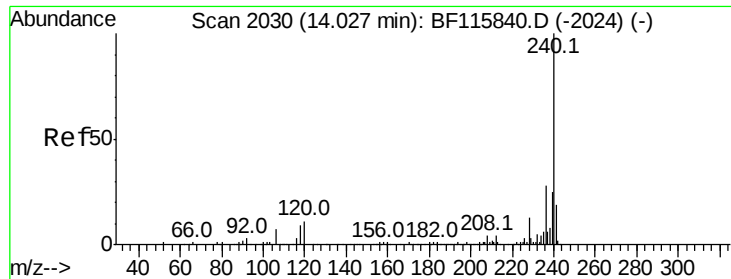
#75
Fluoranthene
Concen: 3.871 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF116409.D
Acq: 20 Aug 2019 1:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	31.2
203	18.2	0.0	37.8



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





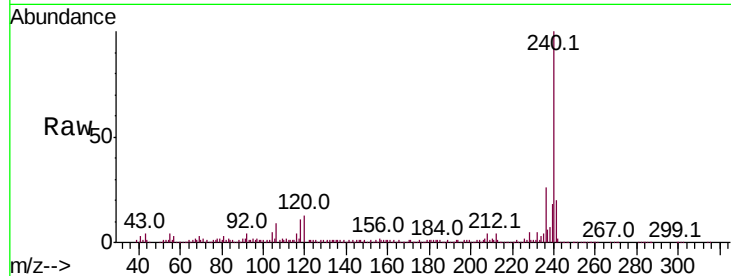
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF116409.D
Acq: 20 Aug 2019 1:05

Instrument :
BNA_F
ClientSampleId :
SP-6

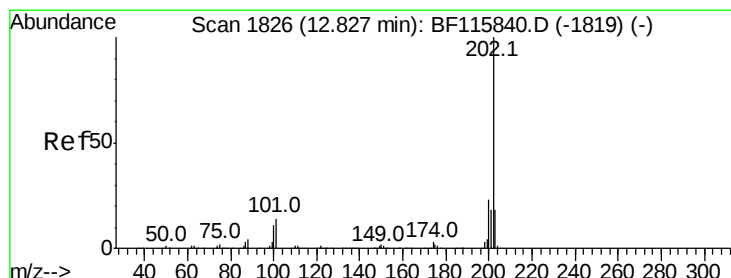
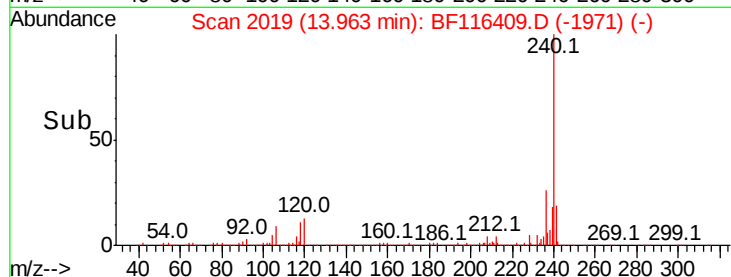
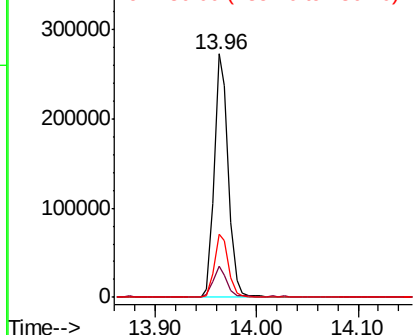
Tot Ion	Ratio	Resp	Lower	Upper
240	100	259915		
120	12.9	10.7	16.1	
236	26.1	22.2	33.2	

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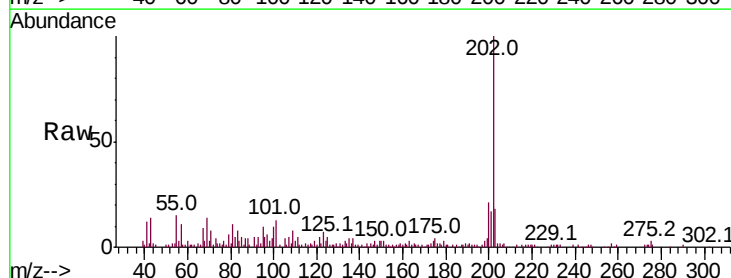


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

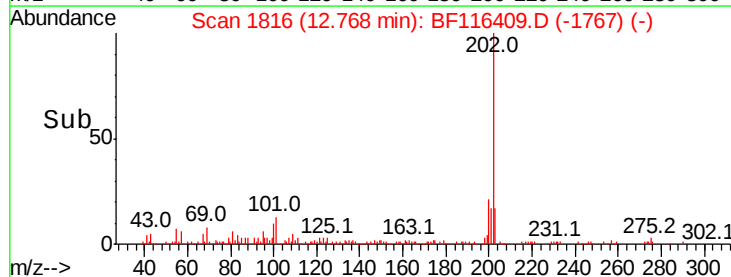
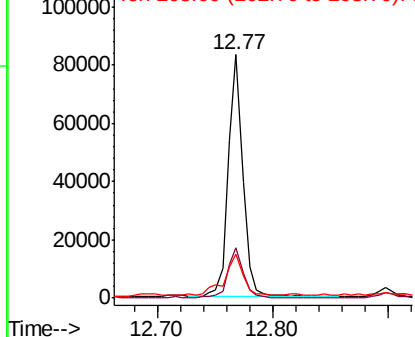


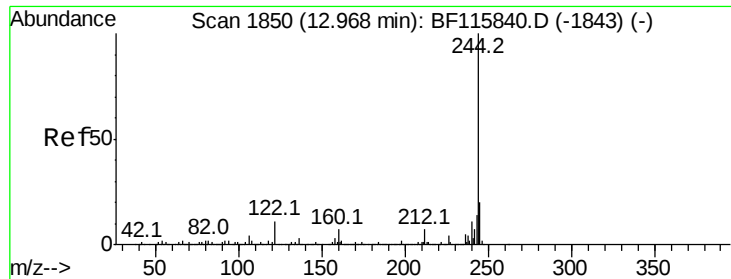
#78
Pyrene
Concen: 3.693 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF116409.D
Acq: 20 Aug 2019 1:05

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	72358		
200	20.8	18.0	27.0	
203	17.9	14.1	21.1	



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: 69.325 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Instrument :

BNA_F

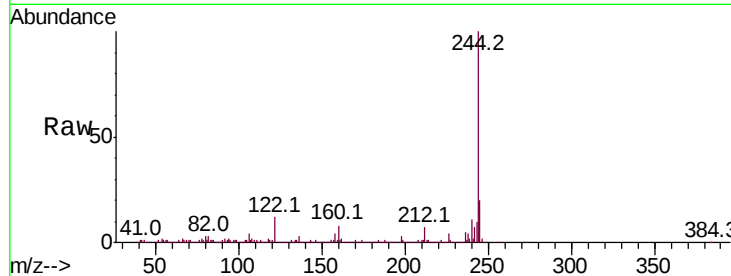
ClientSampleId :

SP-6

Tot Ion:	244	Resp:	855107
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.8
122	12.2	9.0	13.4

Manual Integrations
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mohammad
8/22/2019 12:45:48 PM

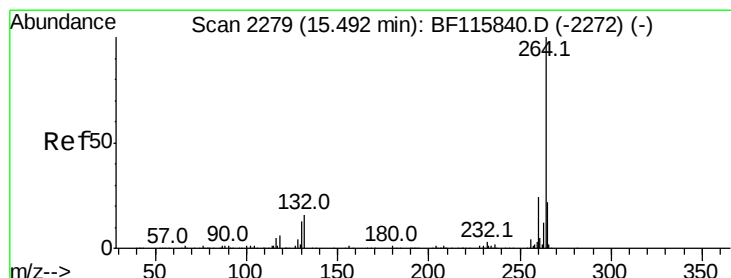
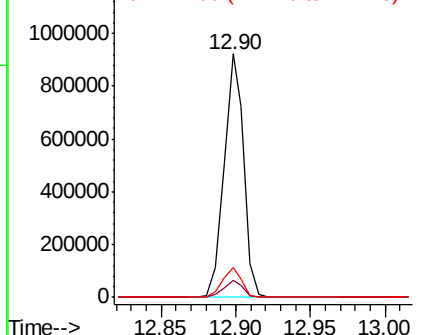
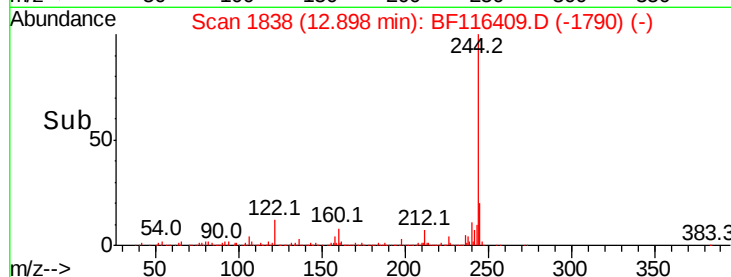


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

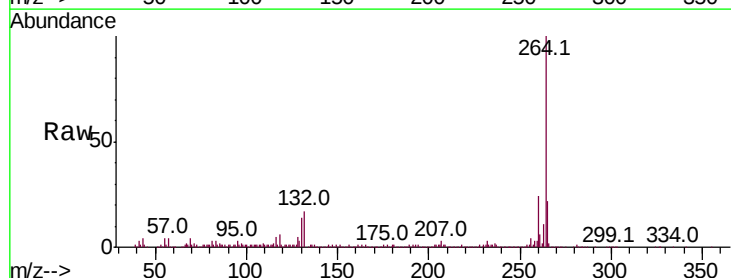
RT: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF116409.D

Acq: 20 Aug 2019 1:05

Tgt Ion:	264	Resp:	302740
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.7	29.5
265	22.5	17.4	26.0

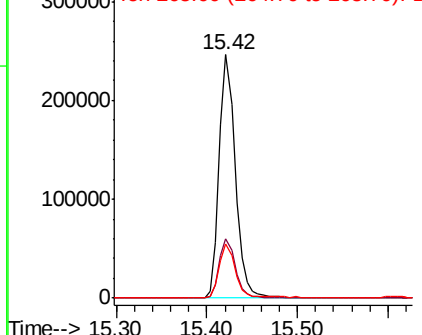
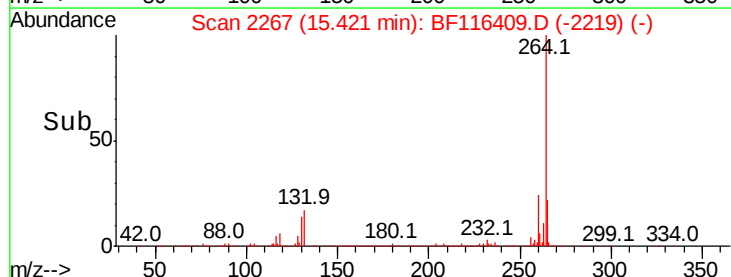


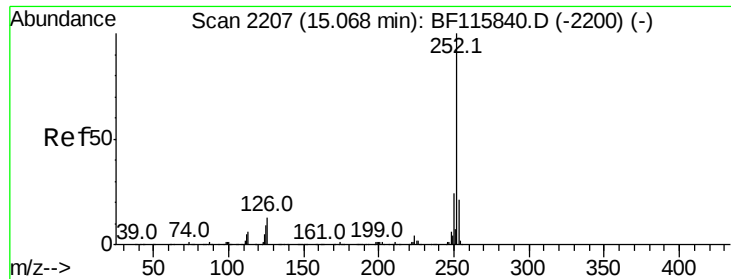
Abundance

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: 2.406 ng m
 RT: 15.01 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BF116409.D
 Acq: 20 Aug 2019 1:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.8
125	21.6	8.4	12.6

Manual Integrations
 APPROVED

mohammad
 8/22/2019 12:45:48 PM

