

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
 Data File : BF117206.D
 Acq On : 21 Sep 2019 00:29
 Operator : HP/JU
 Sample : K4964-01DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1DL

Manual Integrations
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mohammad
 9/24/2019 9:13:06 AM

Quant Time: Sep 21 01:38:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	29807	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	119498	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	54754	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	70692	20.00	ng	0.00
76) Chrysene-d12	13.98	240	44211	20.00	ng	0.00
87) Perylene-d12	15.43	264	38540	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	31749	16.63	ng	0.00
7) Phenol-d6	6.46	99	43769	17.74	ng	0.00
23) Nitrobenzene-d5	7.38	82	28260	12.43	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	6916	15.11	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	52853	15.09	ng	0.00
79) Terphenyl-d14	12.92	244	34300	14.50	ng	0.00
Target Compounds						
75) Fluoranthene	12.56	202	11176	2.709	ng	97
78) Pyrene	12.78	202	11940	3.219	ng	98
88) Benzo(b)fluoranthene	15.02	252	6743m	2.888	ng	
90) Benzo(a)pyrene	15.37	252	4232	2.066	ng	# 90

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

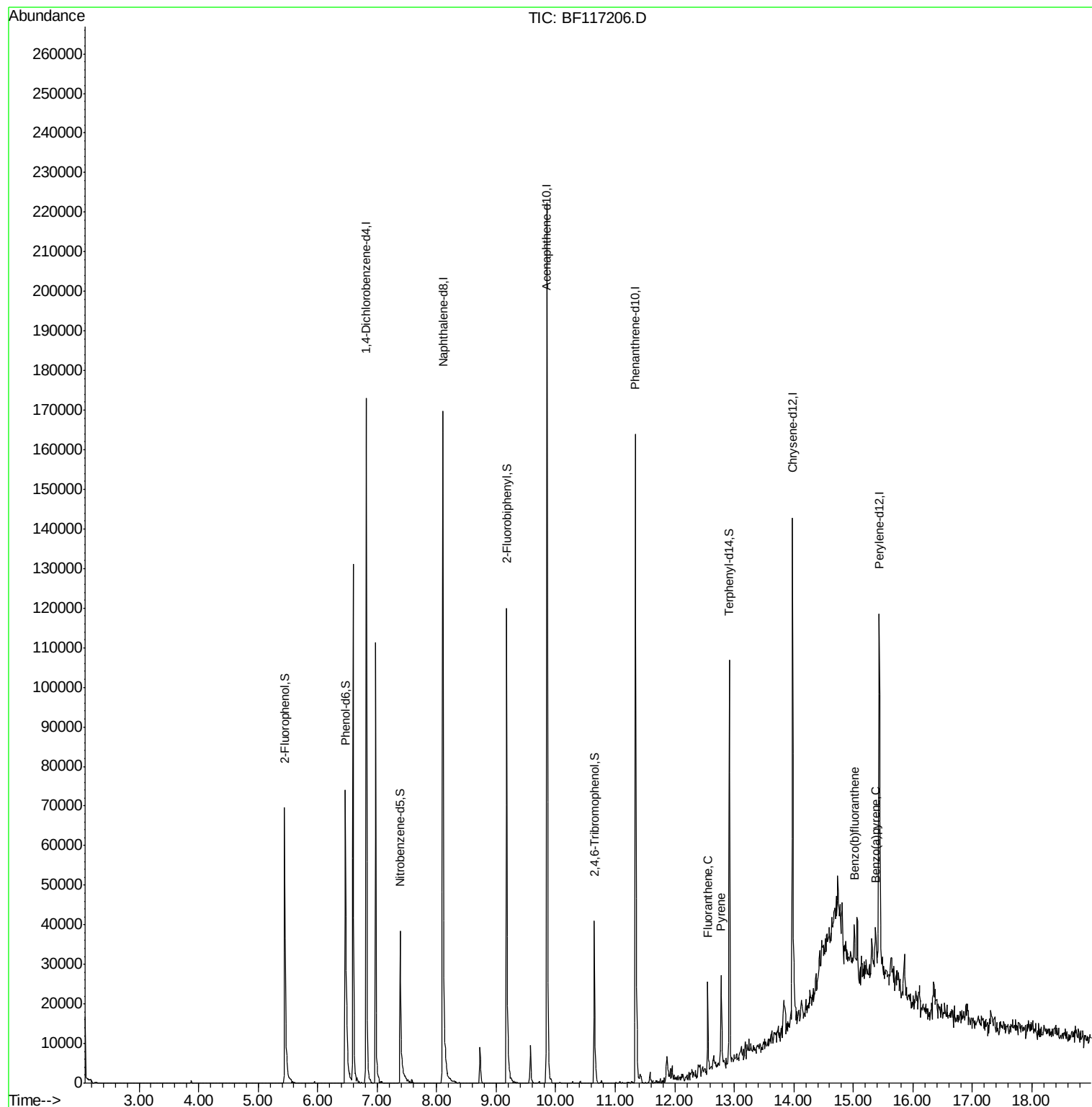
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
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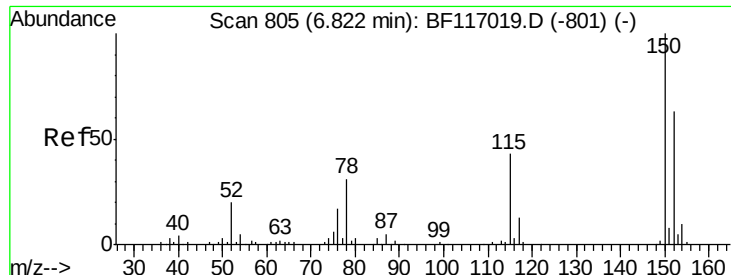
Instrument :
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#1

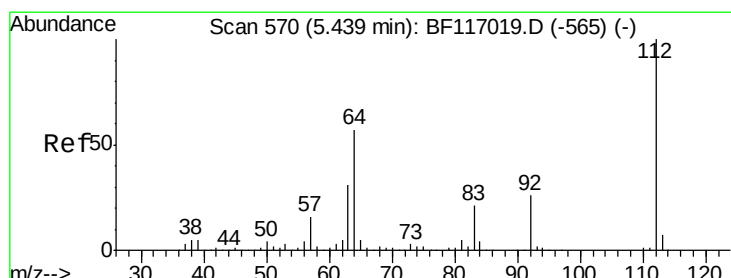
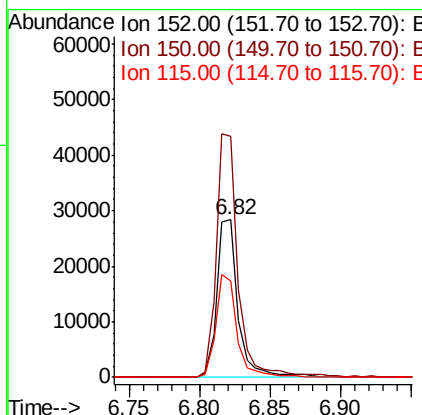
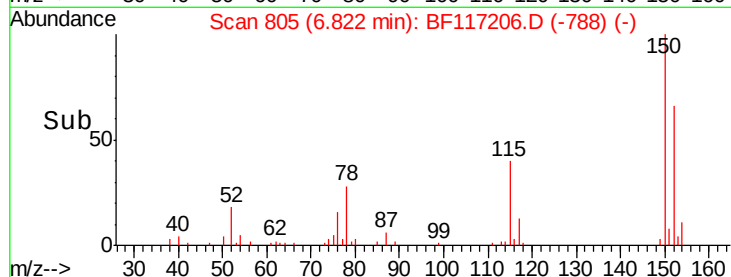
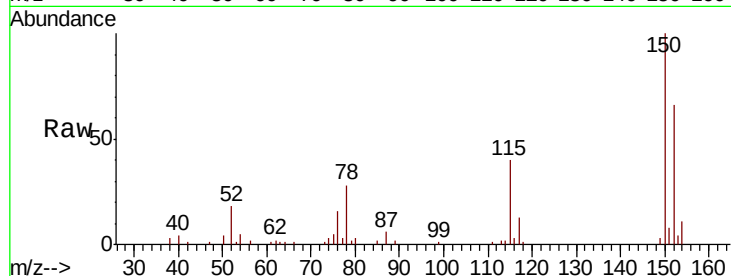
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Instrument :
BNA_F
ClientSampled :
SB-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	127.5	191.3
115	61.2	55.0	82.4

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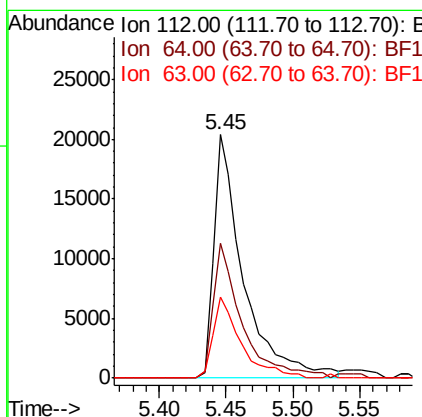
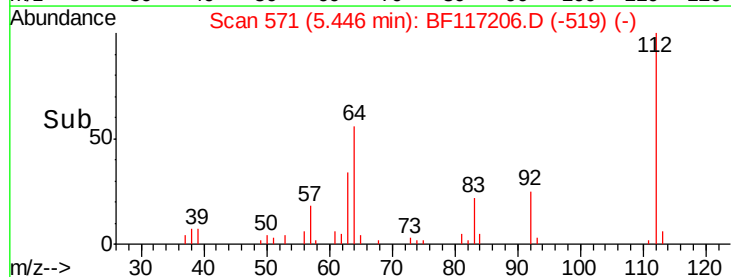
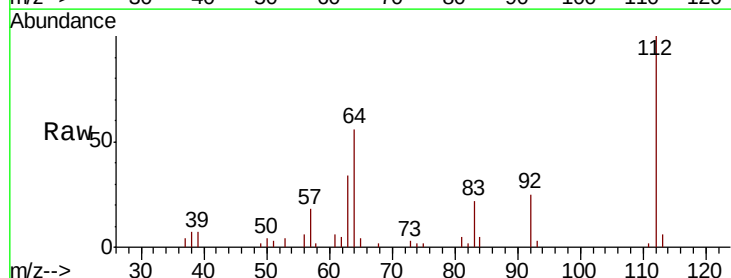
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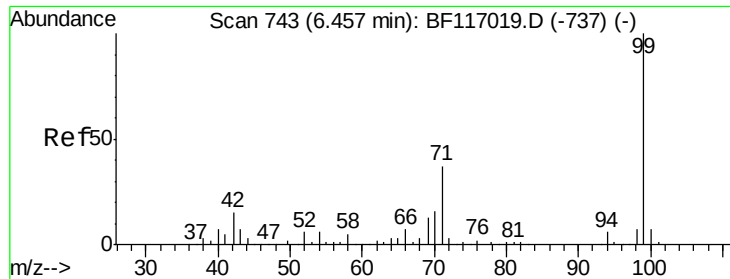


#5

2-Fluorophenol
Concen: 16.630 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	45.7	68.5
63	33.5	24.9	37.3





#7

Phenol-d6

Concen: 17.739 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117206.D

Acq: 21 Sep 2019 00:29

Instrument :

BNA_F

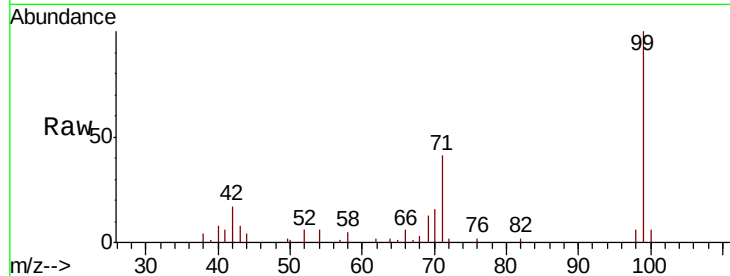
ClientSampled :

SB-1DL

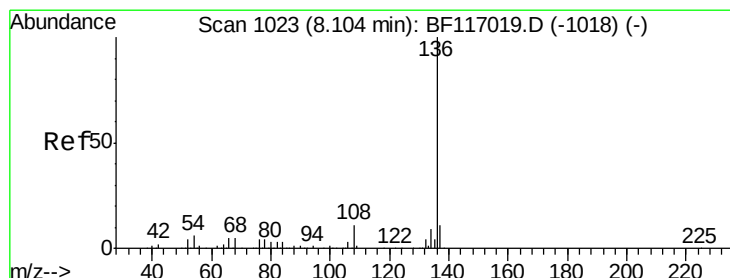
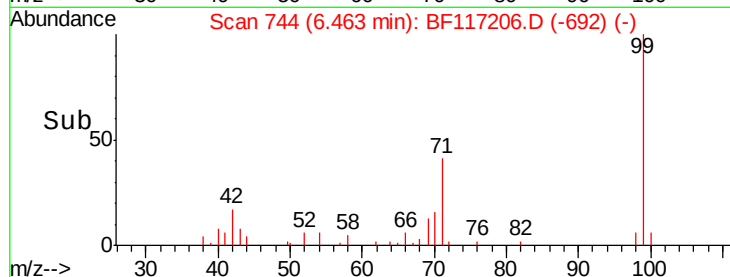
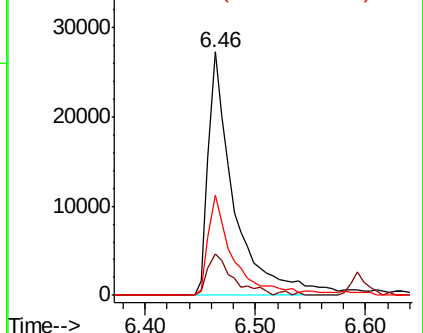
Tot Ion:	99	Resp:	43769
Ion	Ratio	Lower	Upper
99	100		
42	17.1	12.2	18.2
71	41.1	29.8	44.8

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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: 8.10 min Scan# 1023

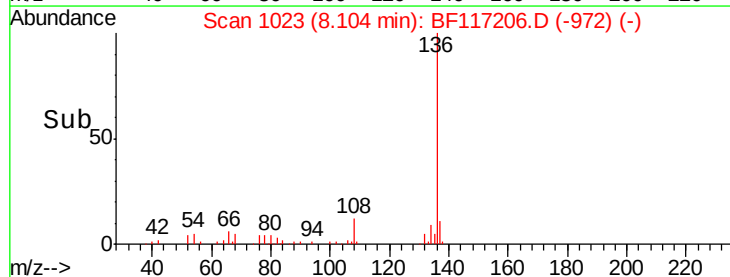
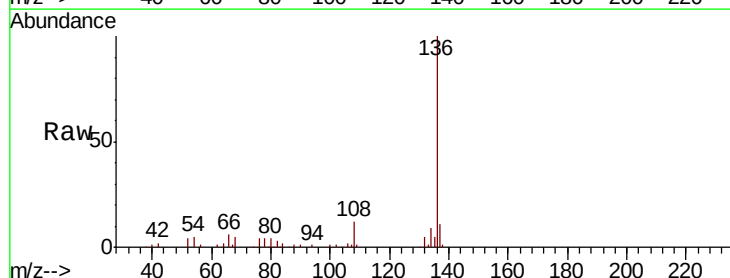
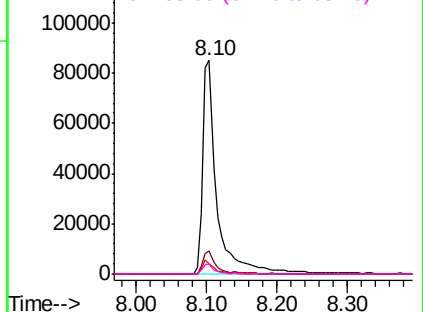
Delta R.T. 0.00 min

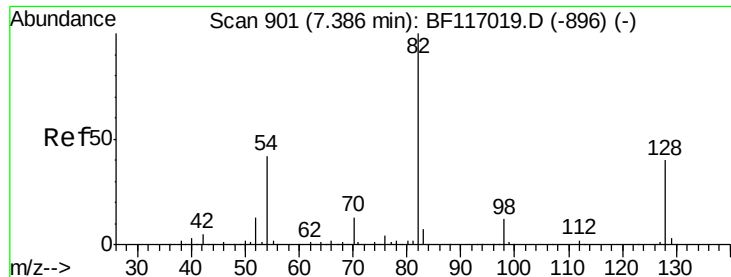
Lab File: BF117206.D

Acq: 21 Sep 2019 00:29

Tgt Ion:	136	Resp:	119498
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	4.6	4.5	6.7
68	4.6	4.0	6.0

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





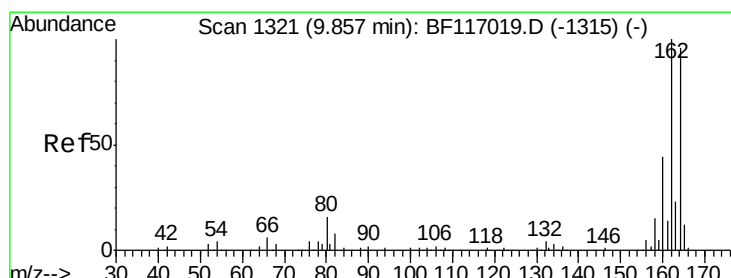
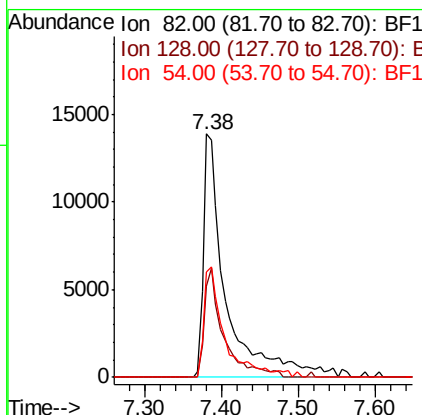
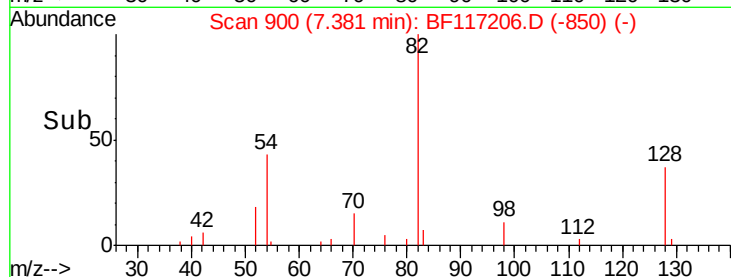
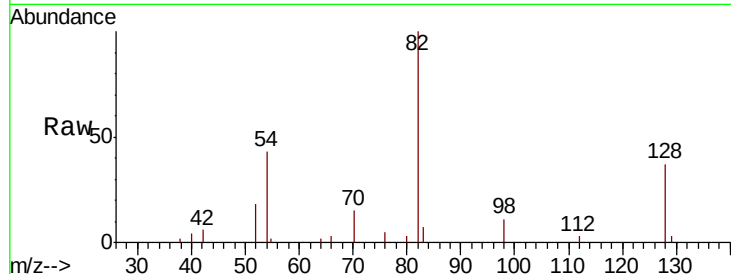
#23
Nitrobenzene-d5
Concen: 12.426 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Instrument :
BNA_F
ClientSampled :
SB-1DL

Tot Ion:	82	Resp:	28260
Ion Ratio	Lower	Upper	
82	100		
128	37.3	32.3	48.5
54	43.3	33.3	49.9

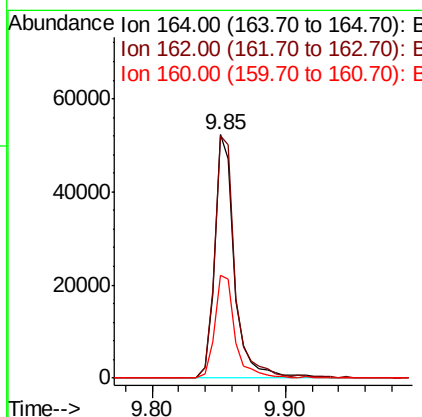
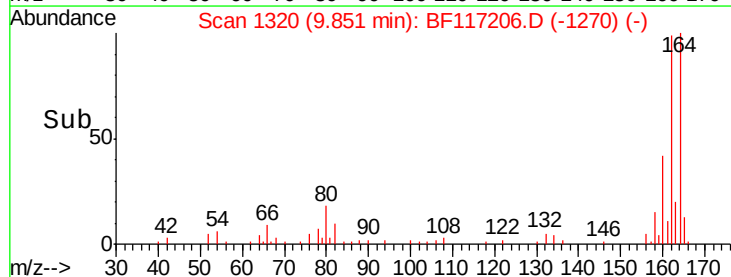
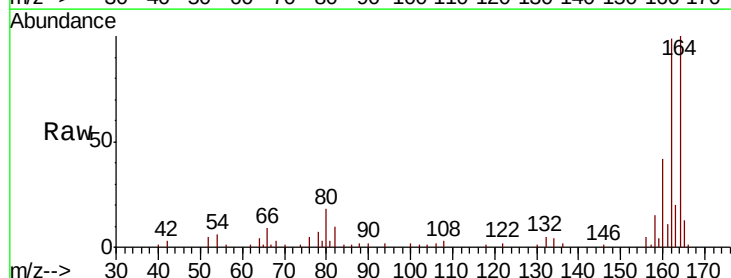
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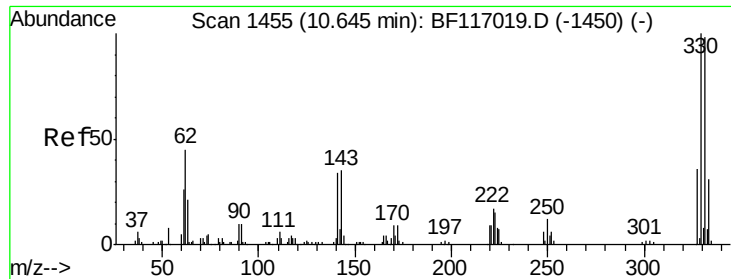
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Tgt Ion:	164	Resp:	54754
Ion Ratio	Lower	Upper	
164	100		
162	99.5	83.4	125.2
160	42.2	36.4	54.6





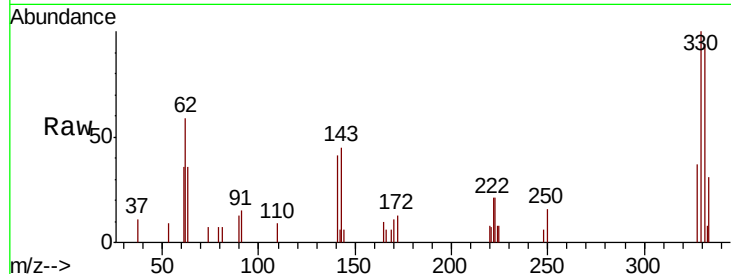
#42
 2,4,6-Tribromophenol
 Concen: 15.113 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.01 min
 Lab File: BF117206.D
 Acq: 21 Sep 2019 00:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-1DL

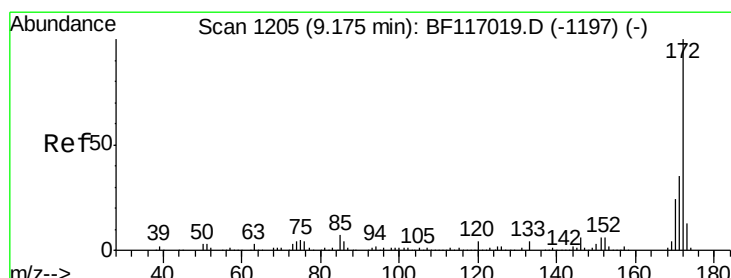
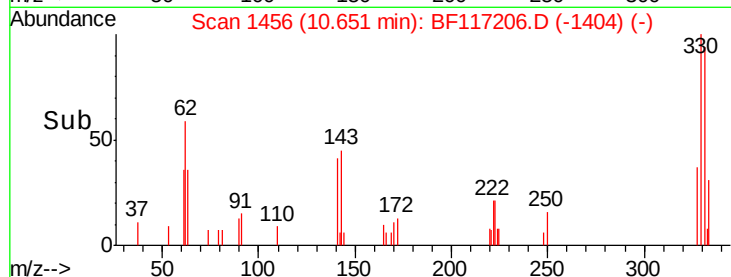
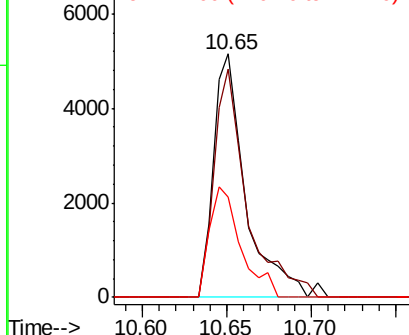
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	78.0	117.0
141	44.1	35.8	53.6

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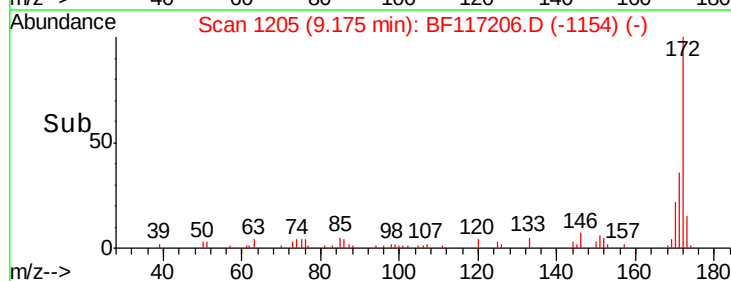
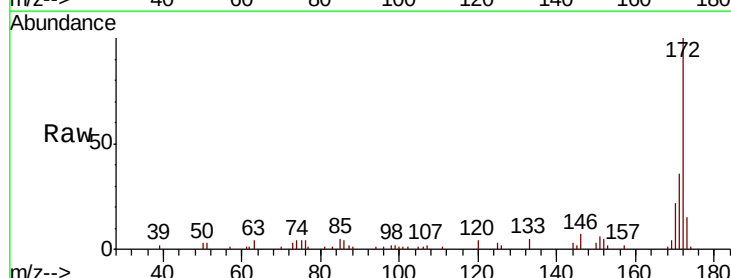
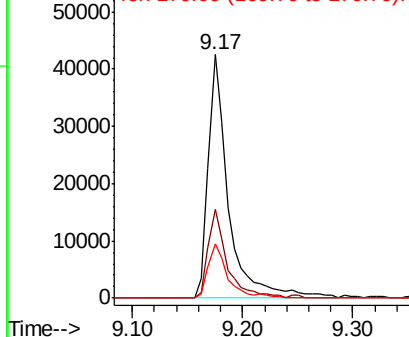
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

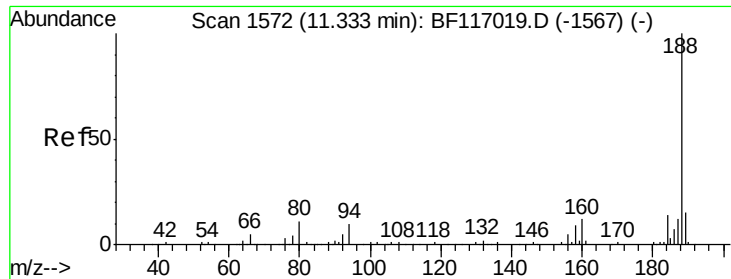


#45
 2-Fluorobiphenyl
 Concen: 15.093 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117206.D
 Acq: 21 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.2	42.2
170	22.3	18.9	28.3

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





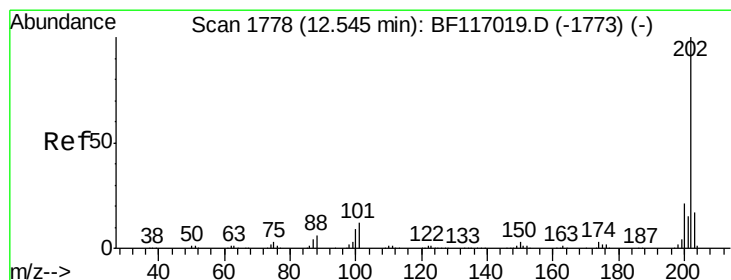
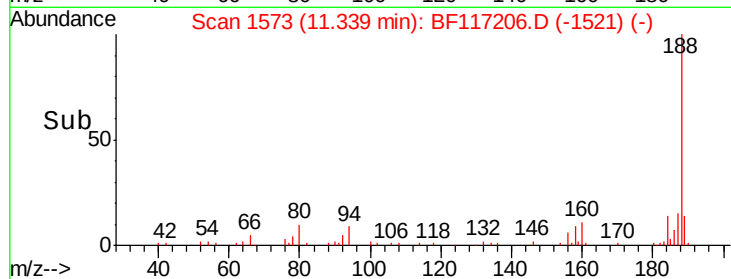
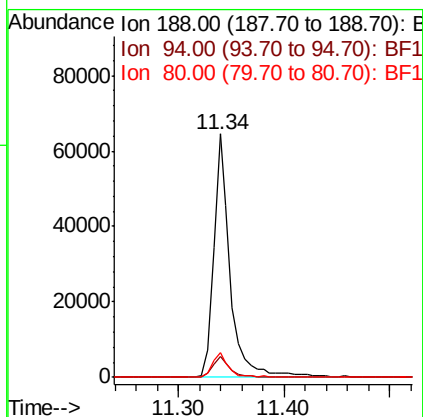
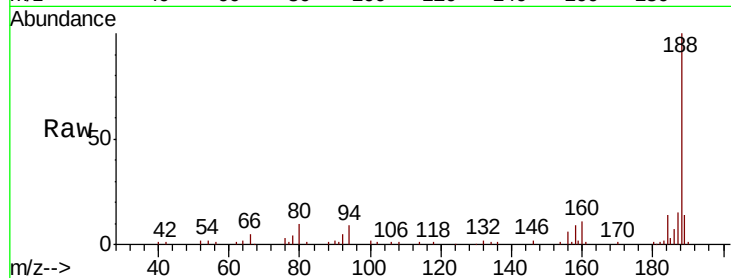
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Instrument :
BNA_F
ClientSampleId :
SB-1DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	70692		
94	8.8		8.2	12.2
80	10.3		9.0	13.6

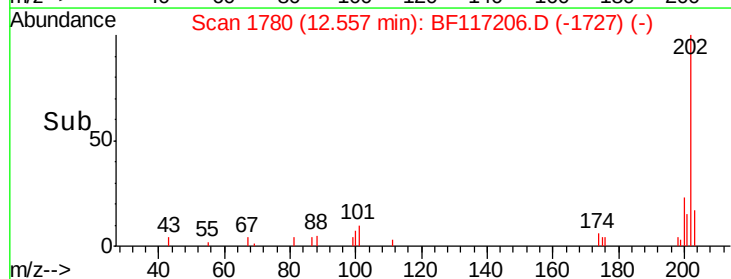
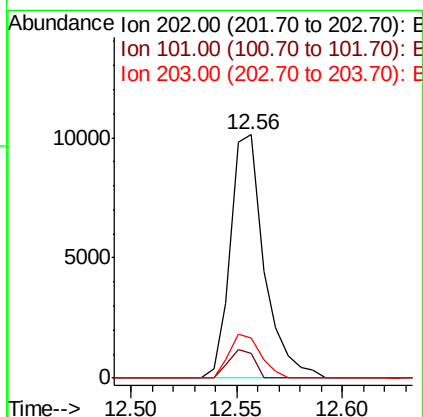
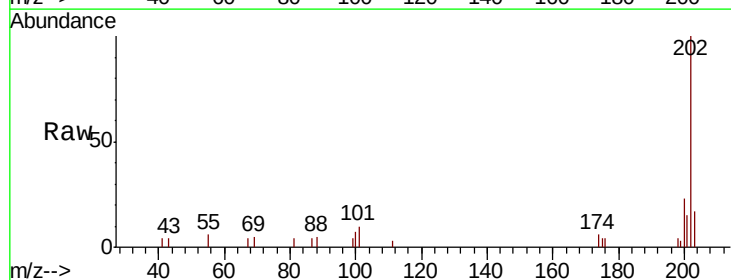
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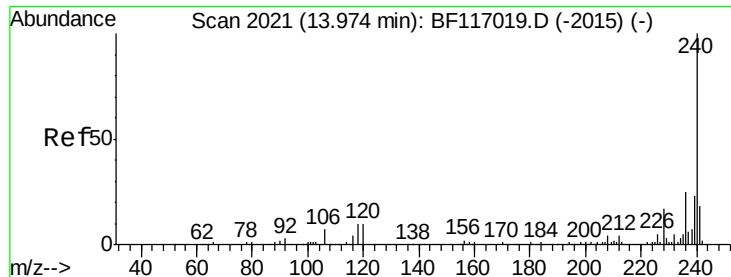
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#75
Fluoranthene
Concen: 2.709 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	11176		
101	10.2		0.0	32.3
203	16.7		0.0	37.1





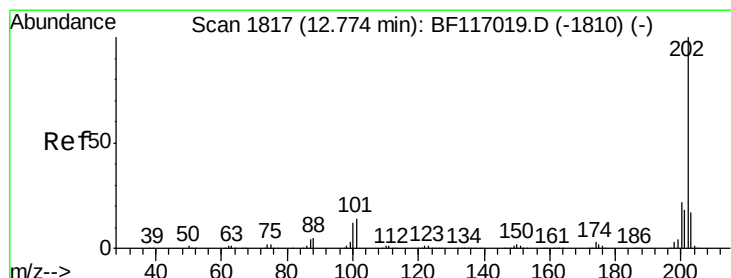
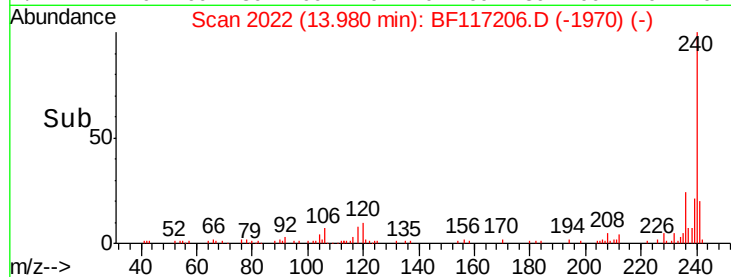
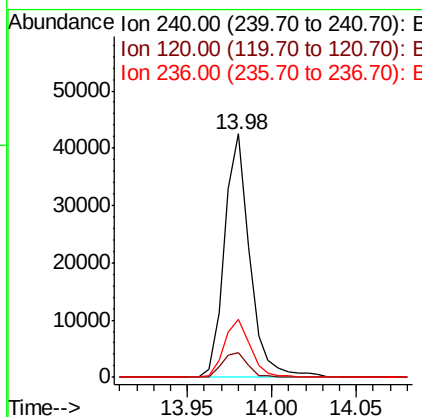
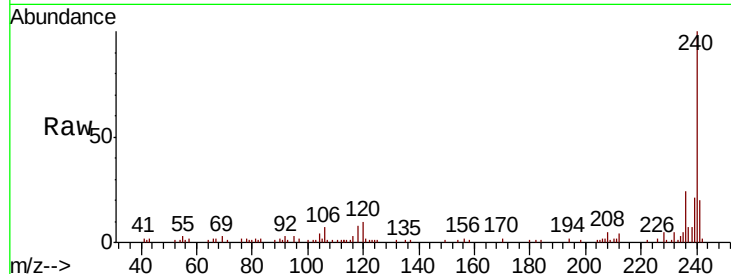
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Instrument :
BNA_F
ClientSampled :
SB-1DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.3	12.5
236	23.8	20.3	30.5

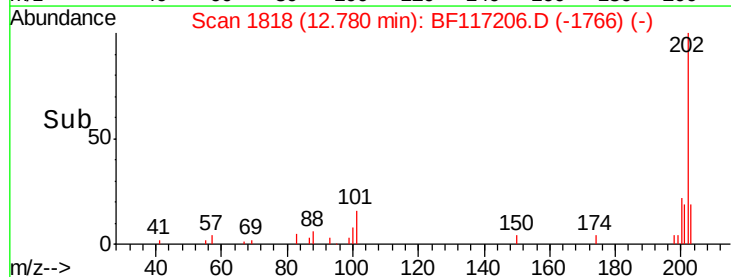
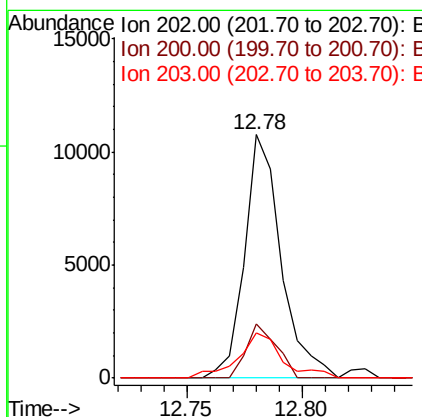
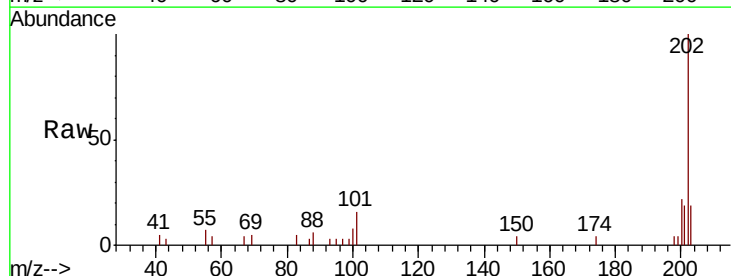
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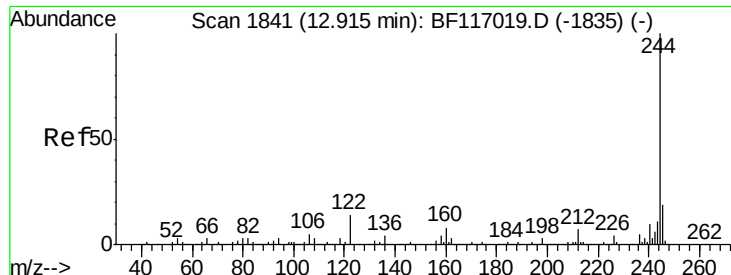
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#78
Pyrene
Concen: 3.219 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.2	25.8
203	18.6	14.0	21.0





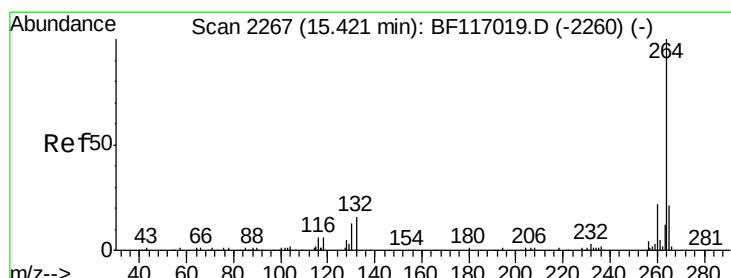
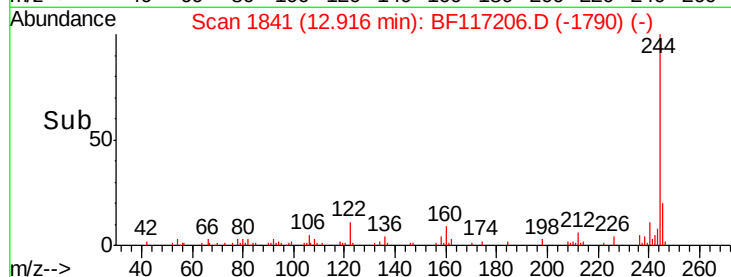
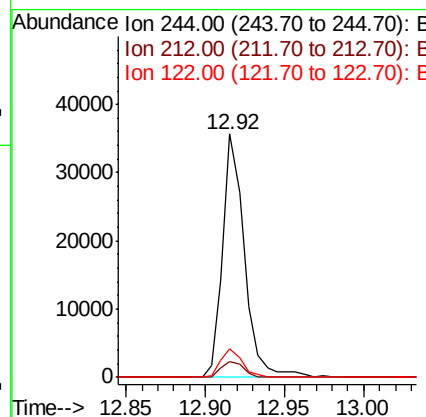
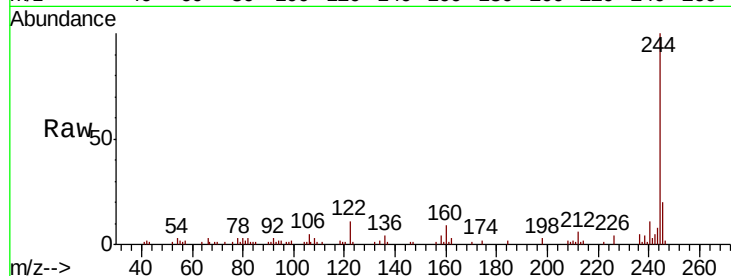
#79
 Terphenyl-d14
 Concen: 14.502 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117206.D
 Acq: 21 Sep 2019 00:29

Instrument :
 BNA_F
 ClientSampleID :
 SB-1DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	11.5	11.3	16.9

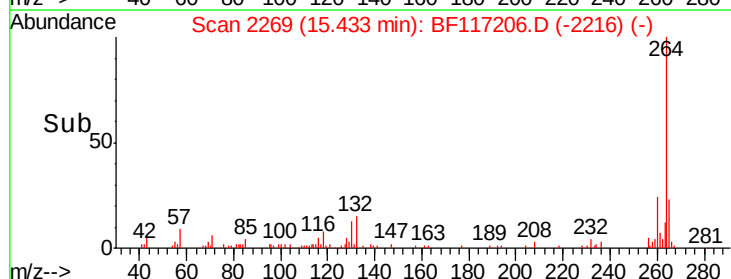
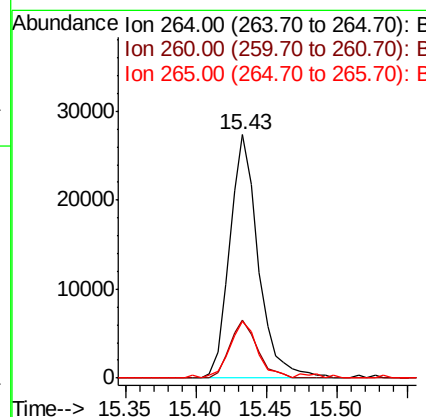
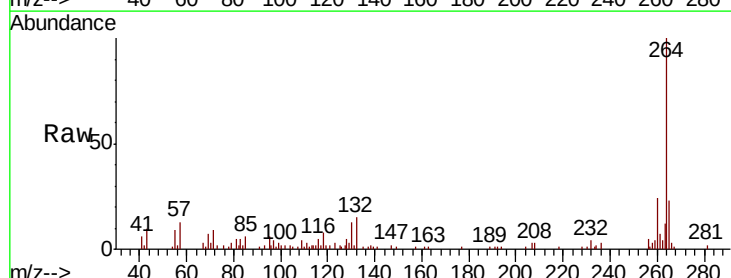
Manual Integrations
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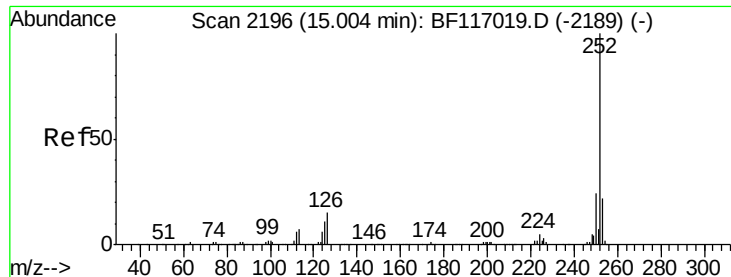
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117206.D
 Acq: 21 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.6	26.4
265	23.5	16.6	24.8





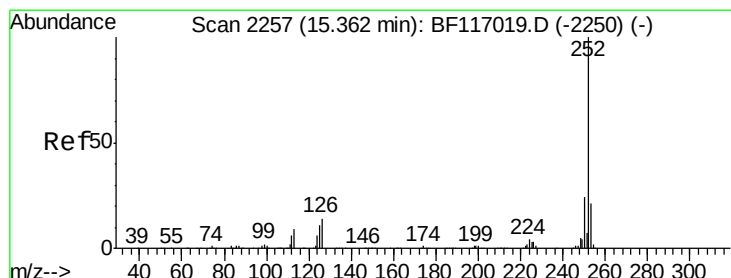
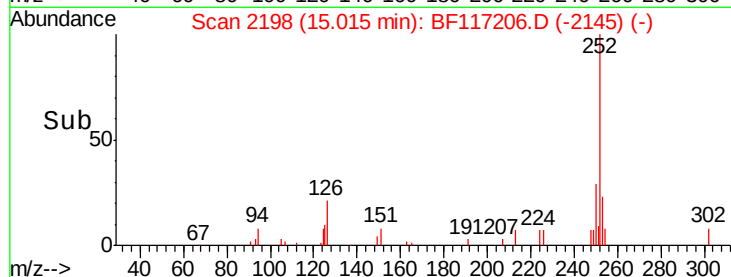
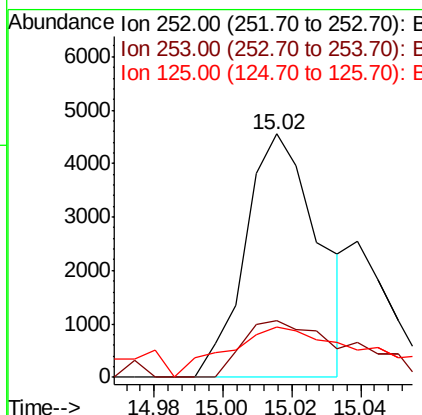
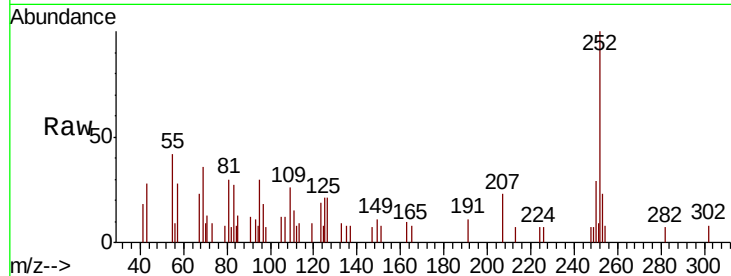
#88
Benzo(b)fluoranthene
Concen: 2.888 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Instrument :
BNA_F
ClientSampleId :
SB-1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	20.6	8.6	12.8

Manual Integrations
APPROVED

mohammad
9/24/2019 9:13:06 AM



#90
Benzo(a)pyrene
Concen: 2.066 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF117206.D
Acq: 21 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	16.6	25.0
125	15.4	8.9	13.3

