

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116541.D
 Acq On : 25 Aug 2019 19:24
 Operator : HP/JU
 Sample : K4499-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 24408-26706

Manual Integrations
 APPROVED

mohammad
 8/29/2019 7:53:30 AM

Quant Time: Aug 26 07:56:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	125776	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	467791	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	212132	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	296059	20.00	ng	0.00
76) Chrysene-d12	14.04	240	192325	20.00	ng	0.00
87) Perylene-d12	15.51	264	182052	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	622981	72.37	ng	0.02
7) Phenol-d6	6.52	99	827713	78.42	ng	0.01
23) Nitrobenzene-d5	7.45	82	502347	58.75	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	100872	55.38	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	936884	71.12	ng	0.00
79) Terphenyl-d14	12.99	244	648060	62.94	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.63	163	131609	8.892	ng	98
71) Phenanthrene	11.43	178	449532	27.873	ng	99
72) Anthracene	11.47	178	100708	6.214	ng	98
75) Fluoranthene	12.62	202	665793	39.929	ng	99
78) Pyrene	12.84	202	635064	41.290	ng	99
81) Benzo(a)anthracene	14.03	228	318046	25.533	ng	97
83) Chrysene	14.06	228	289855	22.958	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	112794	10.429	ng	# 92
88) Benzo(b)fluoranthene	15.08	252	307264m	27.321	ng	
89) Benzo(k)fluoranthene	15.10	252	92574m	9.086	ng	
90) Benzo(a)pyrene	15.44	252	200387	20.161	ng	94
91) Dibenzo(a,h)anthracene	16.99	278	30262	3.705	ng	# 78
92) Benzo(a,h,i)perylene	17.42	276	103085	13.239	ng	96

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

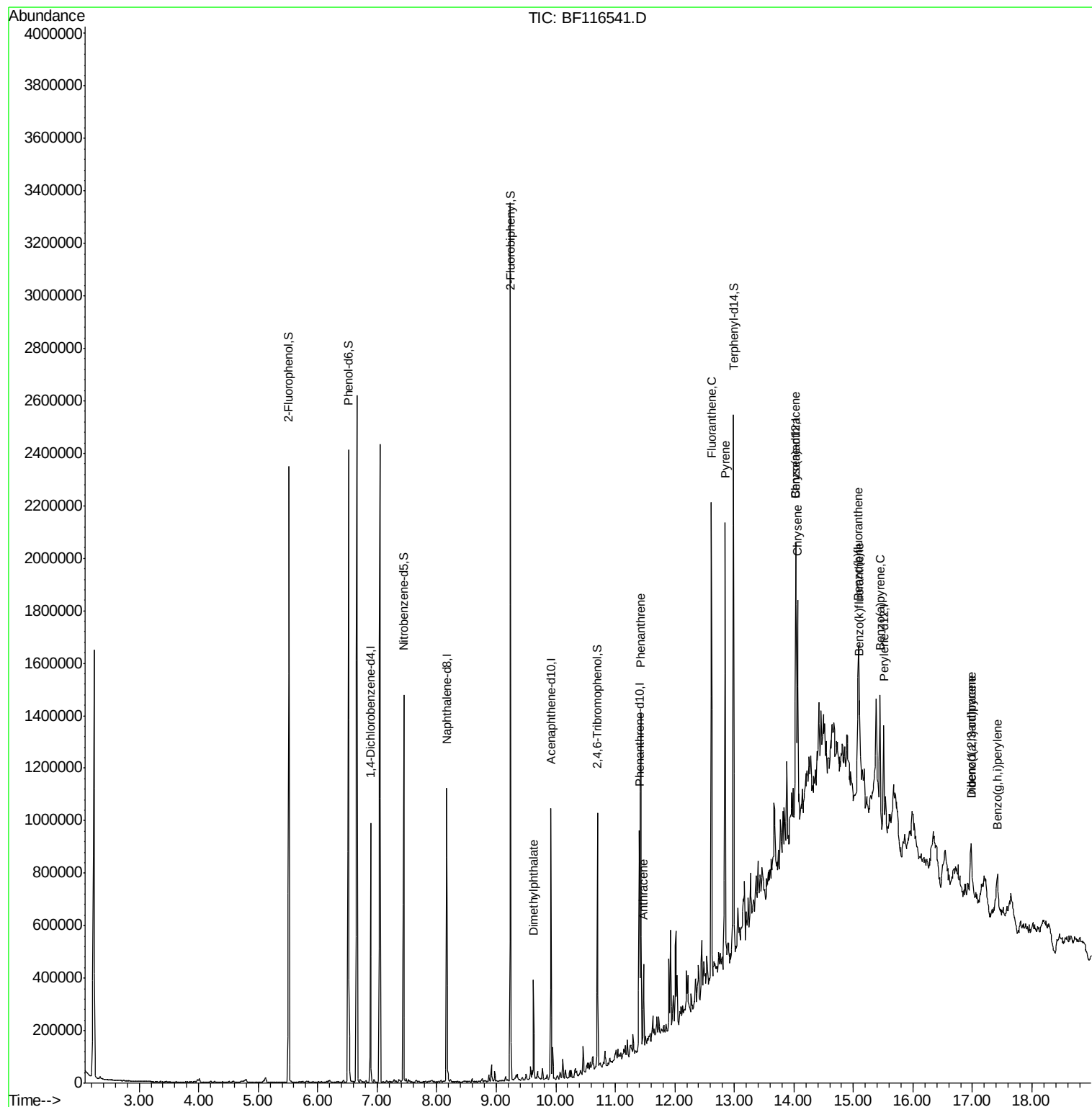
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
Data File : BF116541.D
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Sample : K4499-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

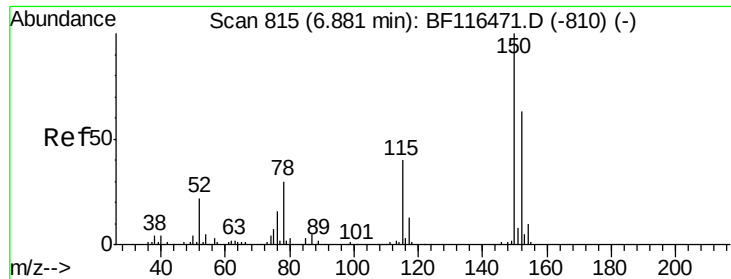
Instrument :
BNA_F
ClientSampled :
24408-26706

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Quant Time: Aug 26 07:56:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

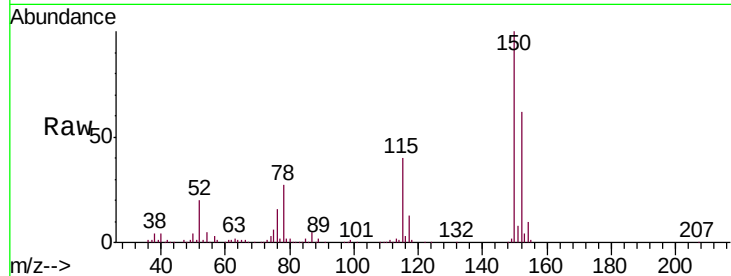
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Instrument :
BNA_F
ClientSampleId :
24408-26706

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	126.7	190.1
115	64.8	50.9	76.3

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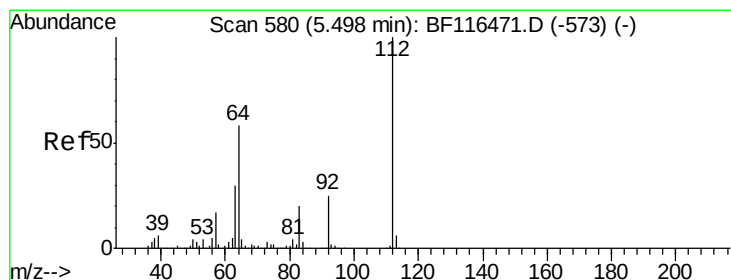
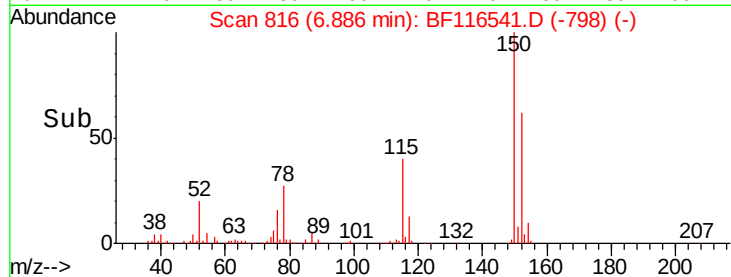
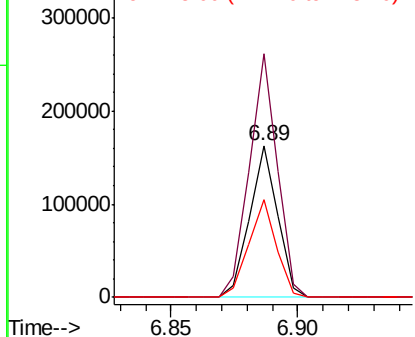


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

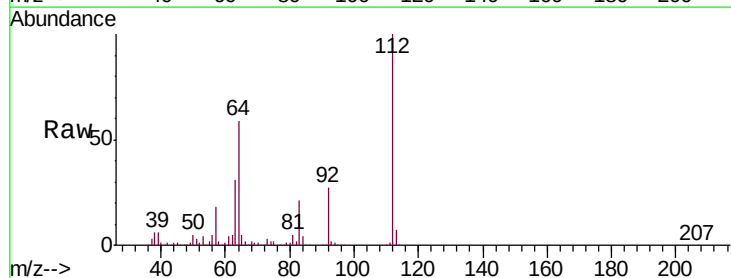
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 72.372 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.3	69.5
63	31.1	24.2	36.4

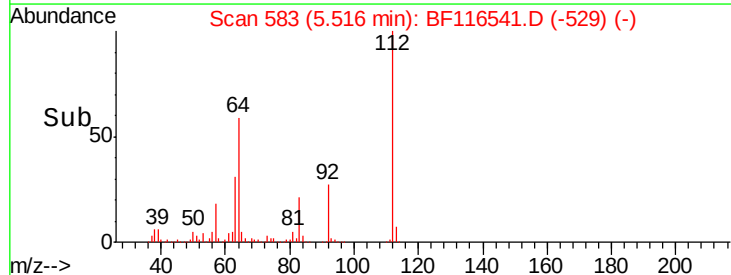
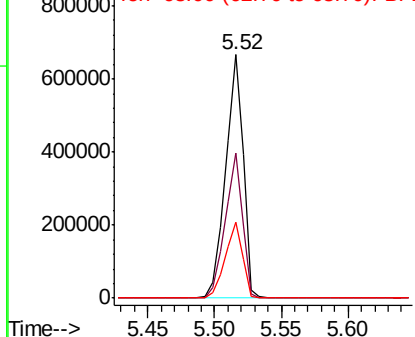


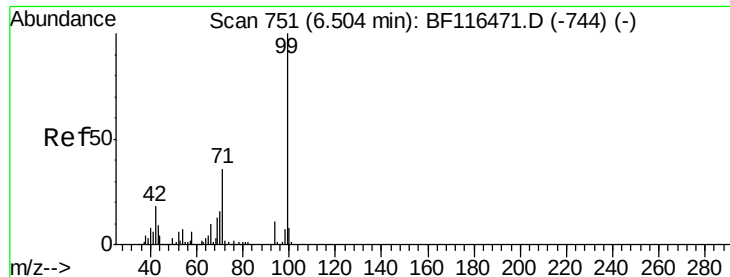
Abundance

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: 78.421 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Instrument :

BNA_F

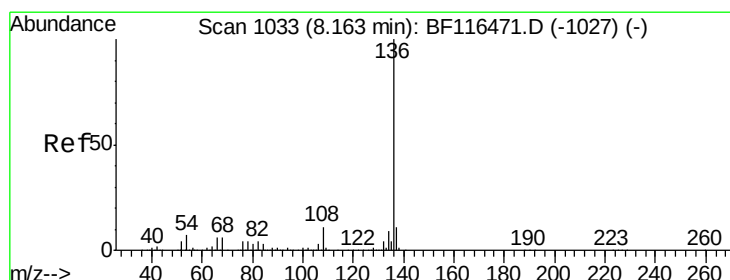
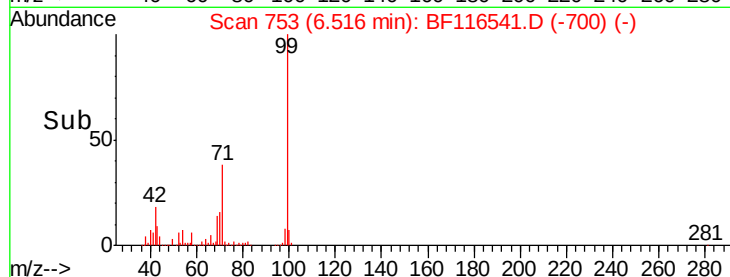
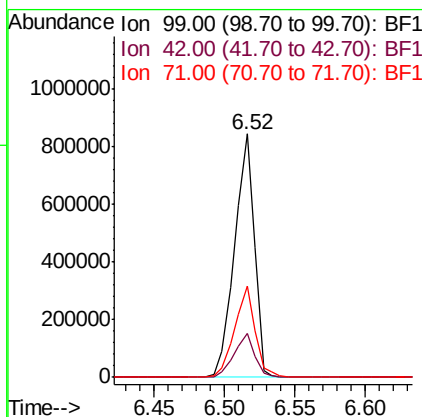
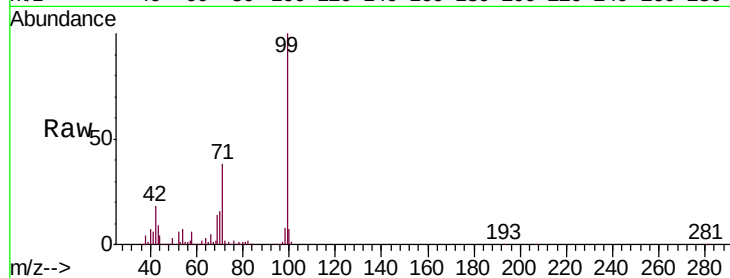
ClientSampleId :

24408-26706

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		827713		
42	18.1	14.6	21.8		
71	37.6	28.5	42.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

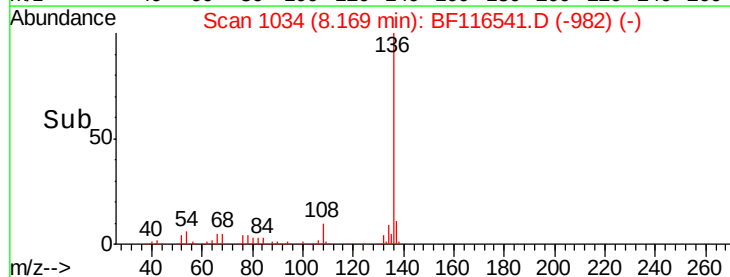
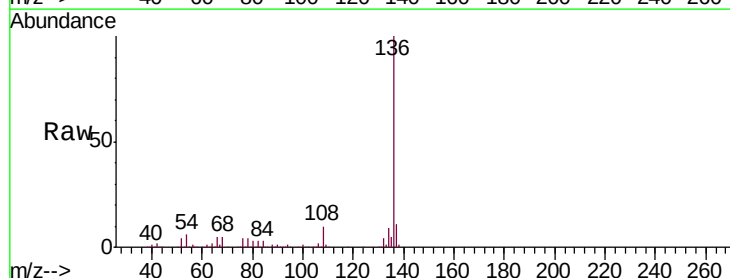
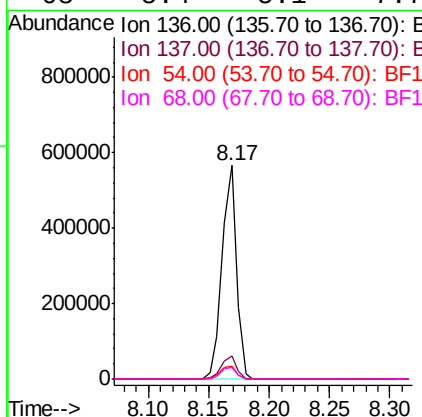
RT: 8.17 min Scan# 1034

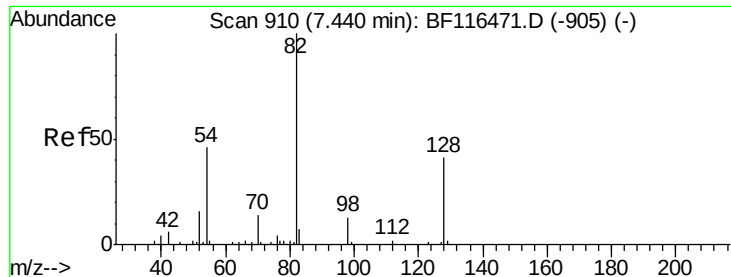
Delta R.T. 0.01 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		467791		
137	10.6	9.0	13.4		
54	6.1	5.8	8.6		
68	5.4	5.1	7.7		





#23

Nitrobenzene-d5

Concen: 58.751 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.01 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Instrument :

BNA_F

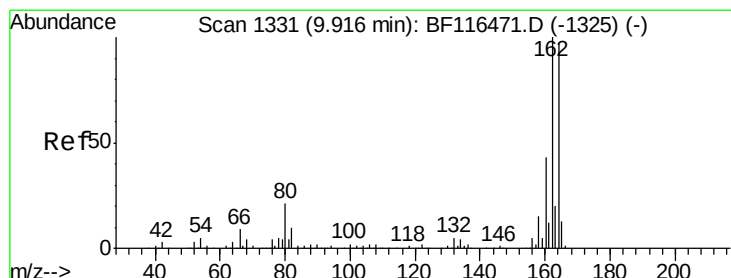
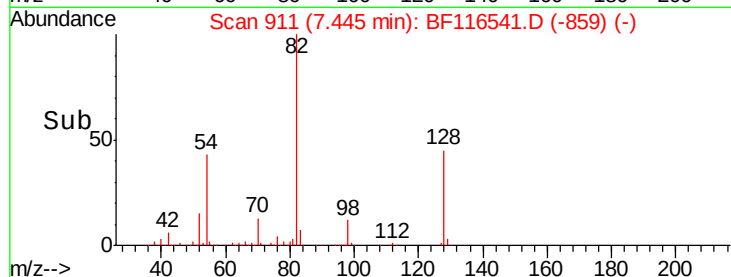
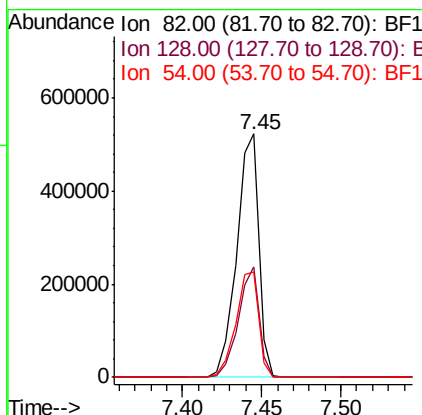
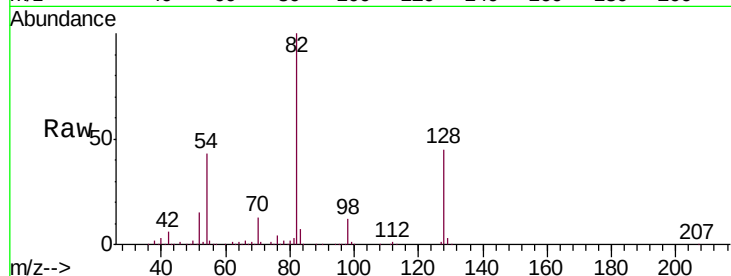
ClientSampleId :

24408-26706

Tot Ion:	82	Resp:	502347
Ion Ratio	Lower	Upper	
82	100		
128	45.2	32.2	48.4
54	43.5	36.5	54.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

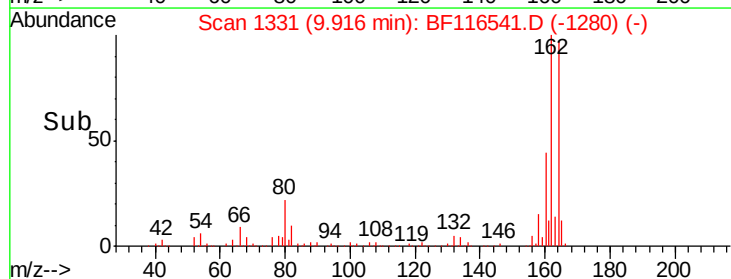
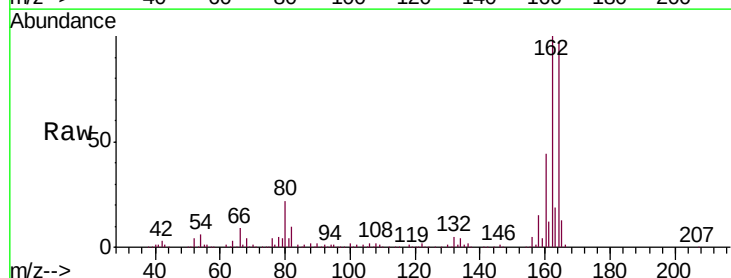
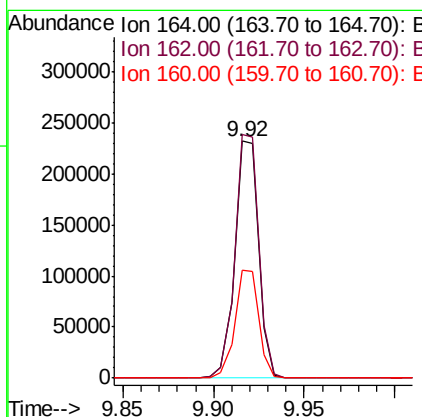
RT: 9.92 min Scan# 1331

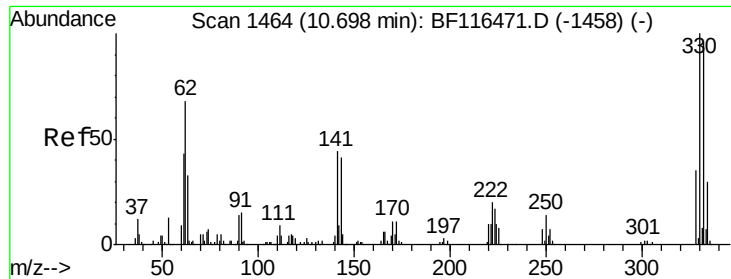
Delta R.T. -0.00 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Tgt Ion:	164	Resp:	212132
Ion Ratio	Lower	Upper	
164	100		
162	102.9	82.6	123.8
160	45.5	35.8	53.8





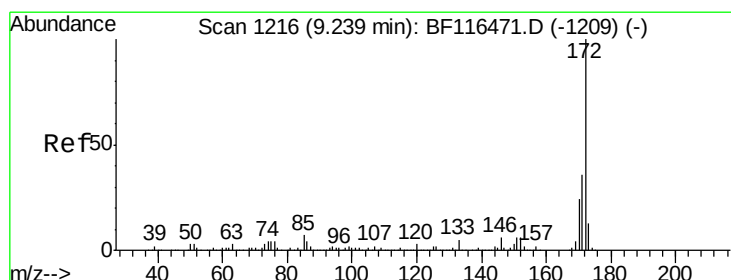
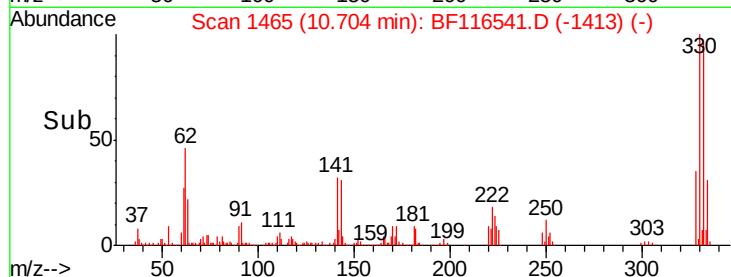
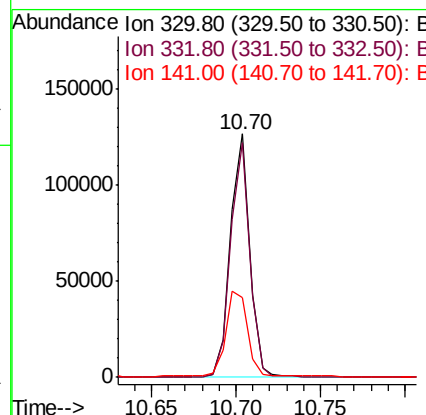
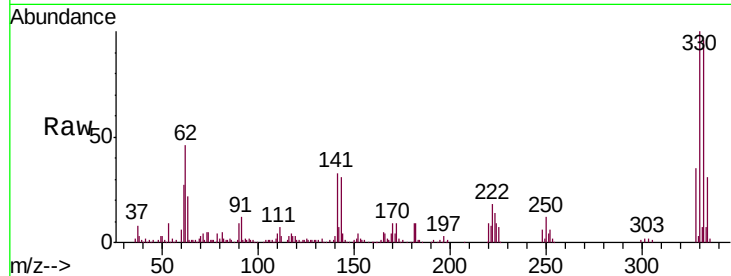
#42
 2,4,6-Tribromophenol
 Concen: 55.378 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.01 min
 Lab File: BF116541.D
 Acq: 25 Aug 2019 19:24

Instrument :
 BNA_F
 ClientSampleId :
 24408-26706

Tot Ion	Ratio	Resp	Lower	Upper
330	100	100872		
332	95.9		77.2	115.8
141	40.5		33.3	49.9

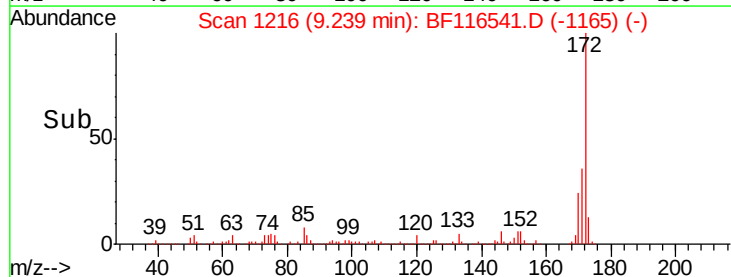
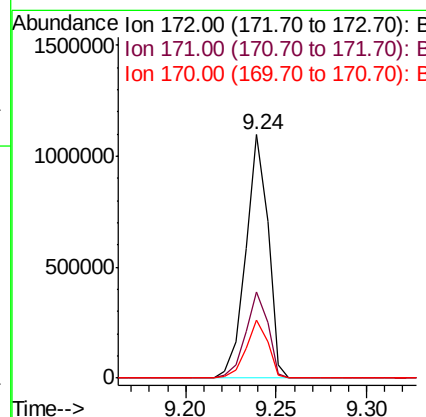
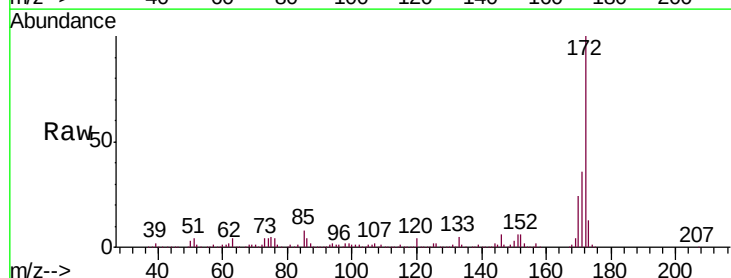
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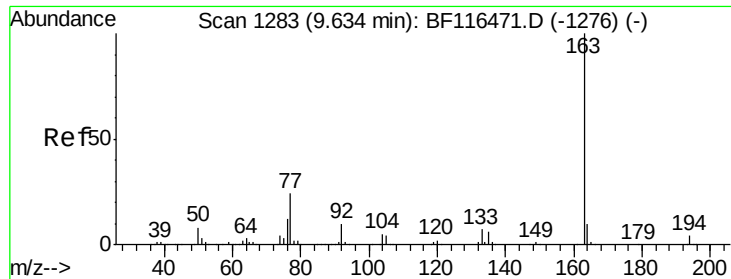
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#45
 2-Fluorobiphenyl
 Concen: 71.124 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116541.D
 Acq: 25 Aug 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	936884		
171	35.6		28.9	43.3
170	24.0		19.4	29.0





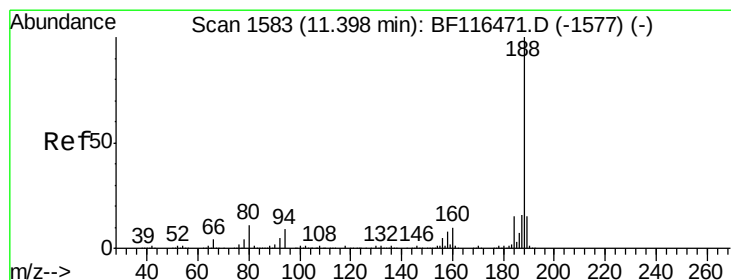
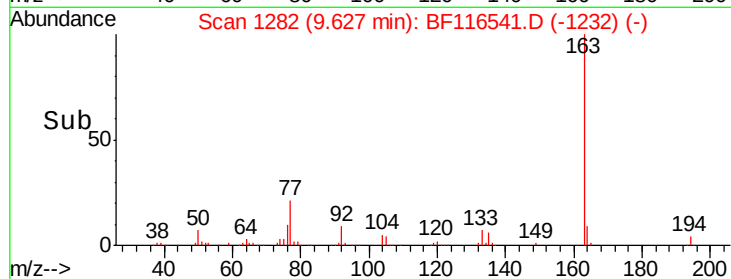
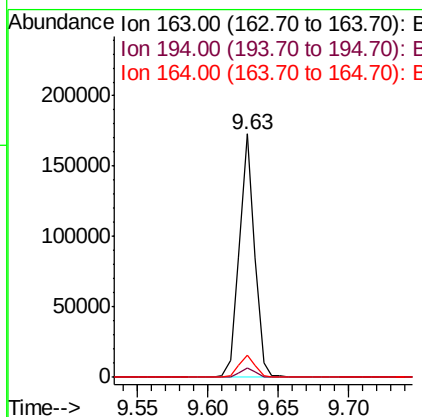
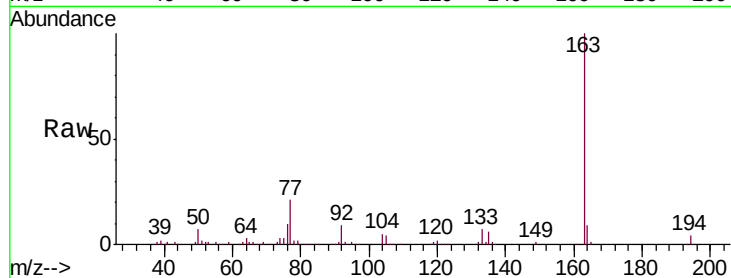
#50
Dimethylphthalate
Concen: 8.892 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Instrument :
BNA_F
ClientSampleId :
24408-26706

Tot Ion	Ratio	Resp	Lower	Upper
163	100	131609		
194	3.7	2.9	4.3	
164	9.4	8.2	12.2	

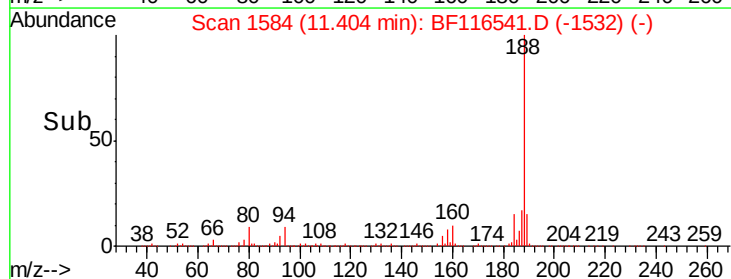
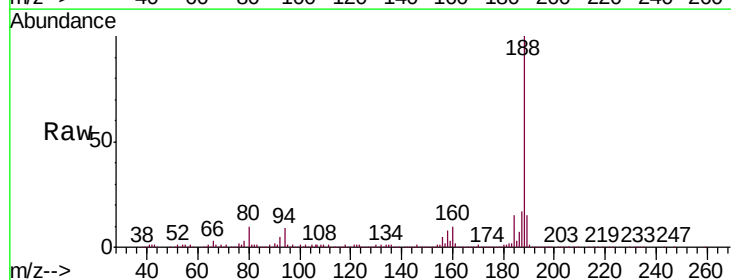
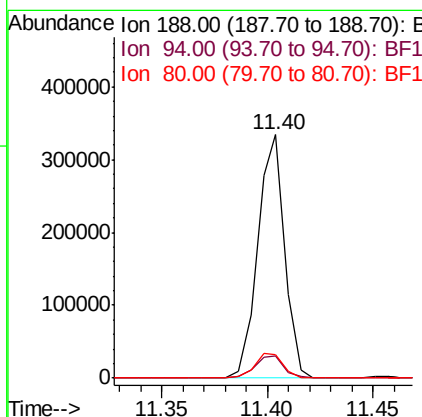
Manual Integrations
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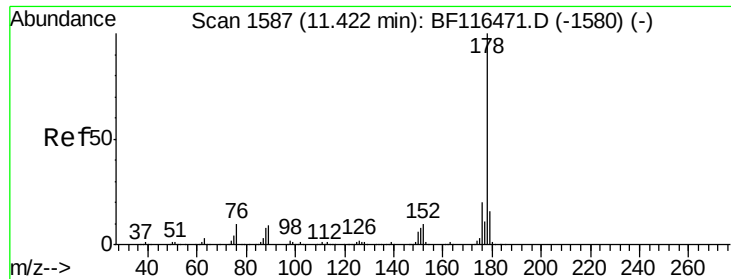
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	296059		
94	9.0	7.4	11.2	
80	9.6	8.6	12.8	





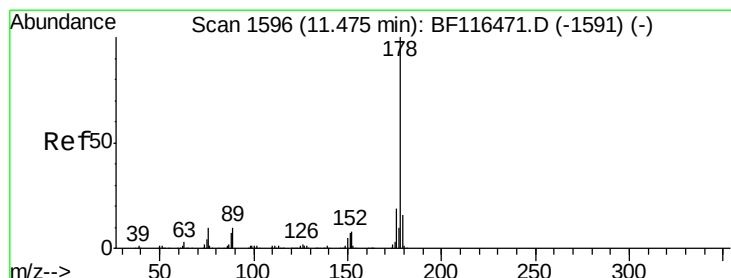
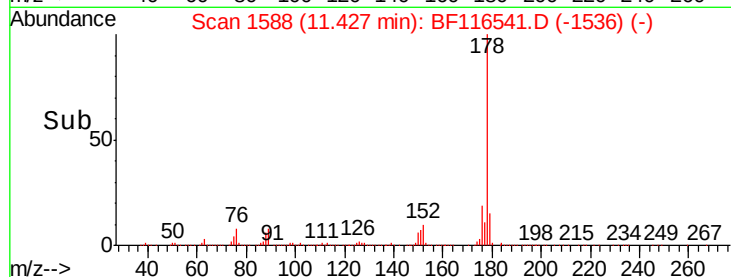
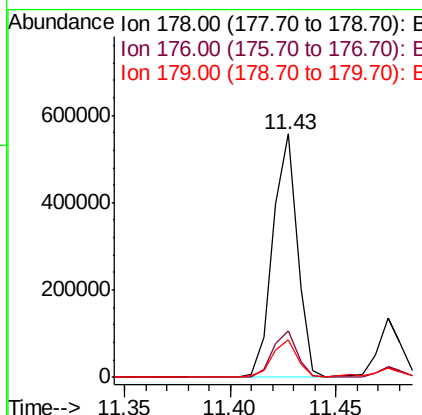
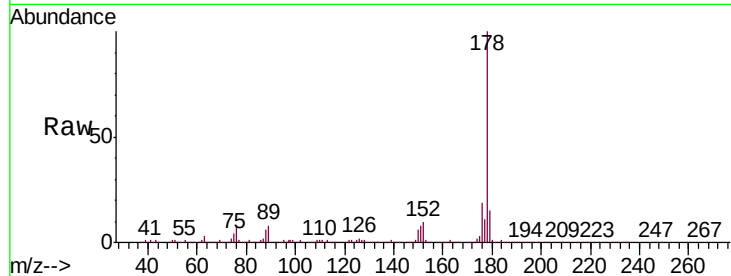
#71
Phenanthrene
Concen: 27.873 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Instrument :
BNA_F
ClientSampleId :
24408-26706

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.6
179	15.5	12.8	19.2

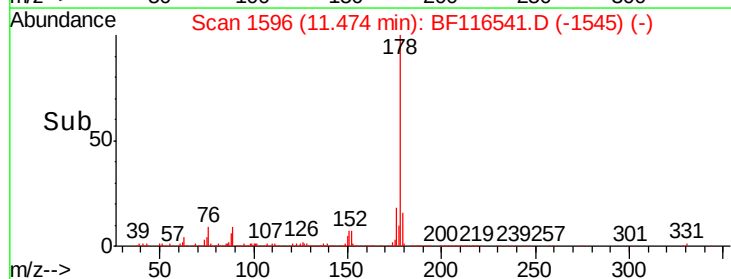
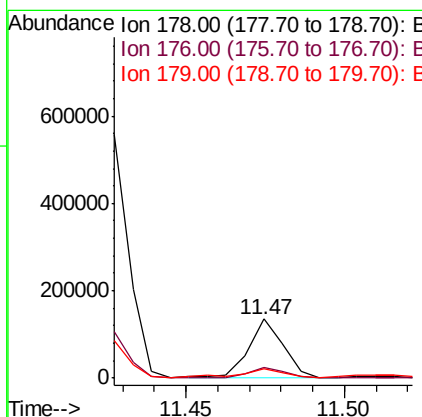
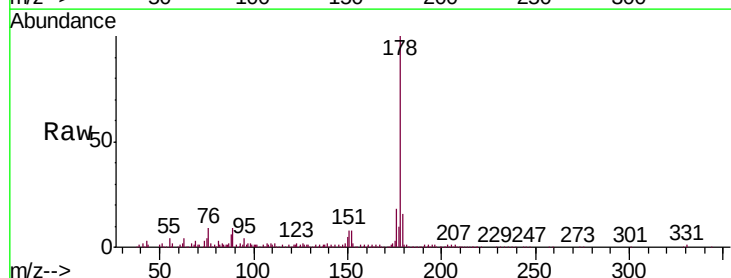
Manual Integrations
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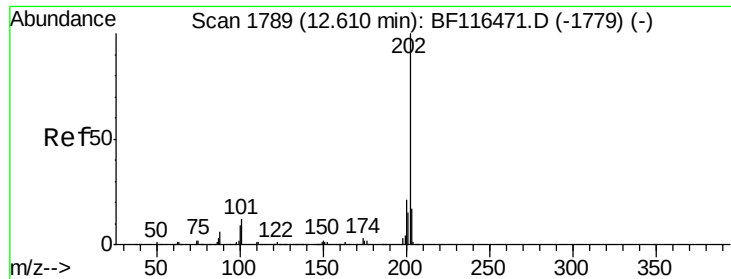
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#72
Anthracene
Concen: 6.214 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.2	22.8
179	16.0	12.5	18.7





#75

Fluoranthene

Concen: 39.929 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.01 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Instrument :

BNA_F

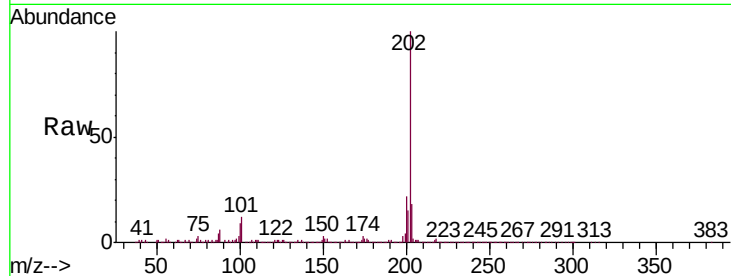
ClientSampleId :

24408-26706

Tot Ion	Ratio	Resp	Lower	Upper
202	100	665793		
101	12.3	0.0	31.5	
203	17.8	0.0	37.5	

Manual Integrations
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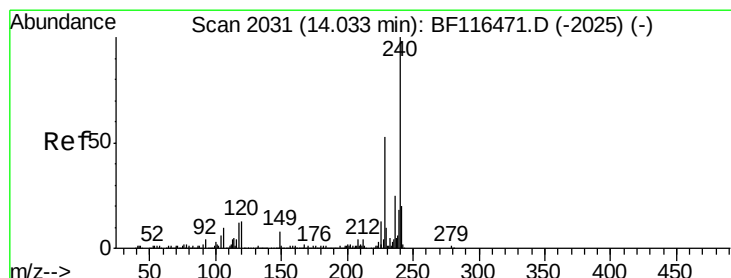
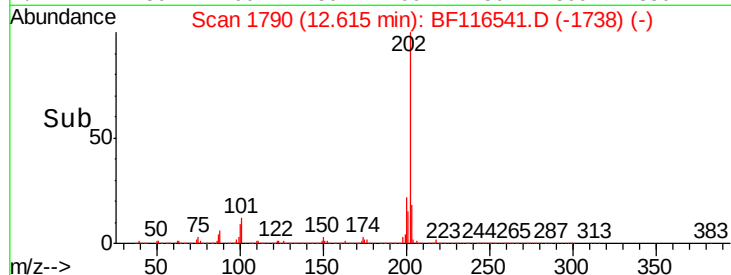
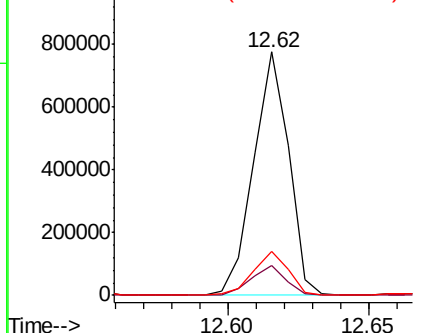


Abundance

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

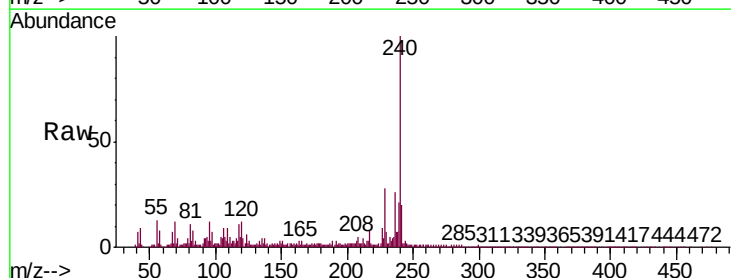
RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	192325		
120	11.9	10.5	15.7	
236	26.3	20.2	30.2	

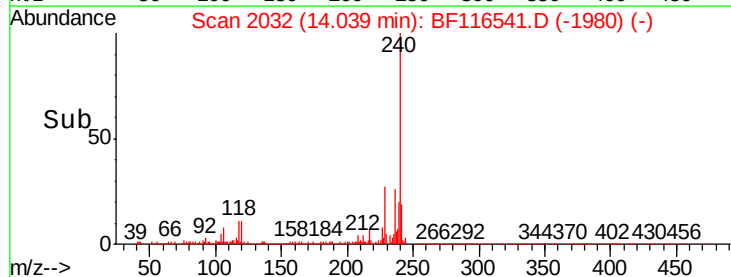
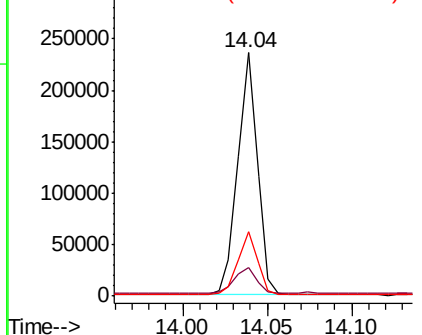


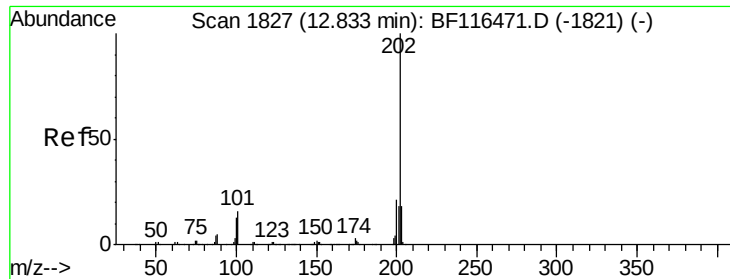
Abundance

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





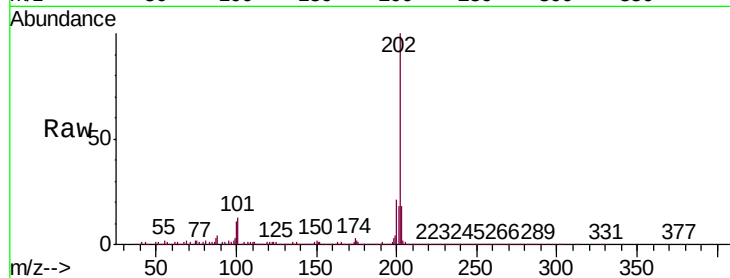
#78
Pvrene
Concen: 41.290 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Instrument :
BNA_F
ClientSampleId :
24408-26706

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.4
203	17.6	14.2	21.4

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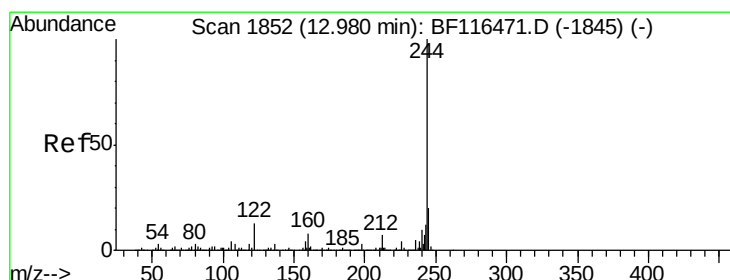
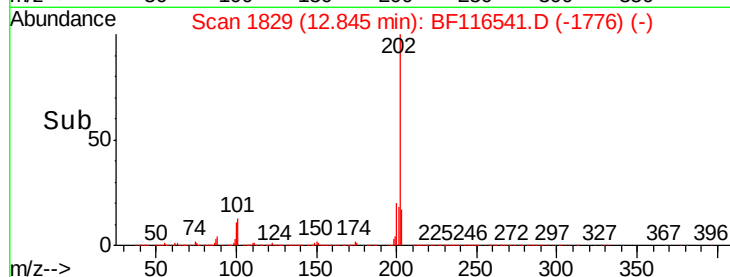
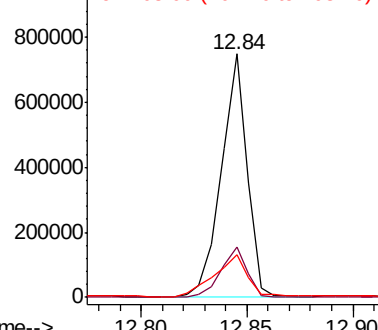


Abundance

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: 62.941 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

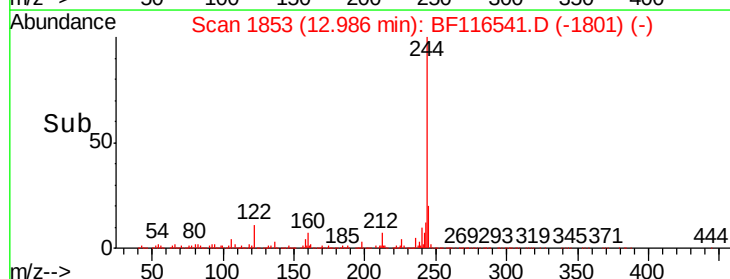
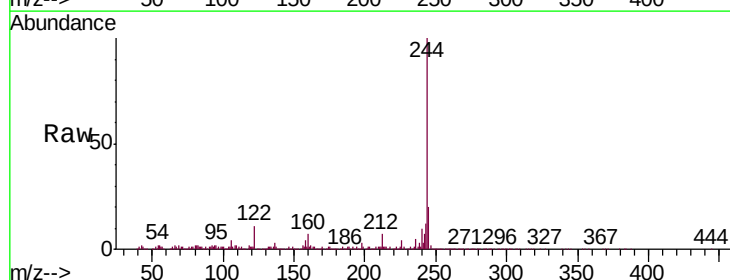
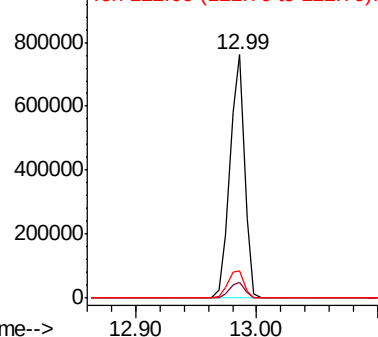
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	11.1	10.2	15.4

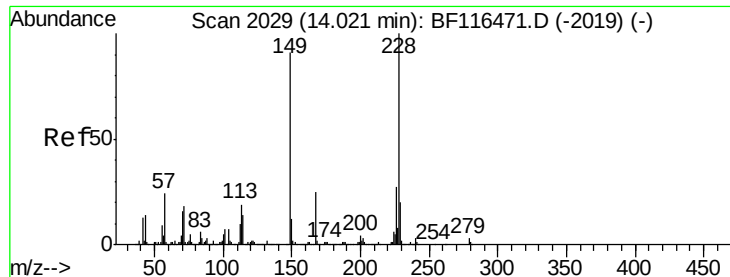
Abundance

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





#81

Benzo(a)anthracene

Concen: 25.533 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Instrument :

BNA_F

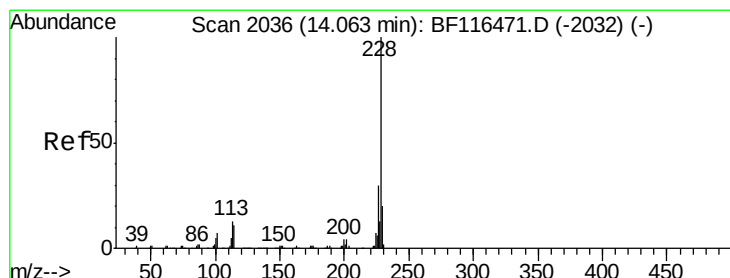
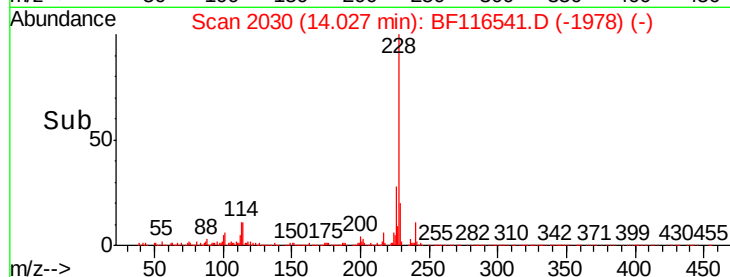
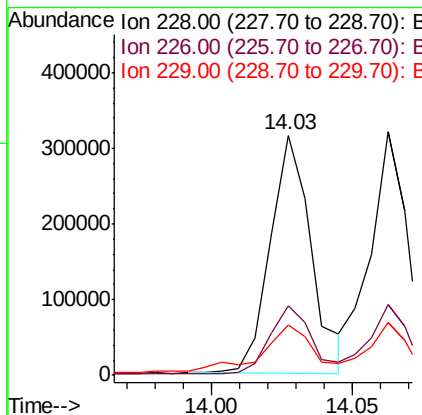
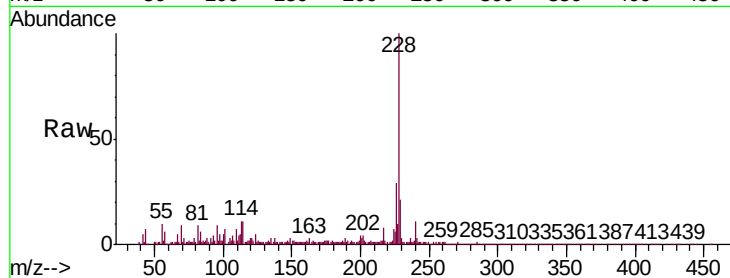
ClientSampleId :

24408-26706

Tot Ion:	228	Resp:	318046
Ion Ratio	Lower	Upper	
228	100		
226	28.8	21.8	32.6
229	20.9	15.9	23.9

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#83

Chrysene

Concen: 22.958 ng

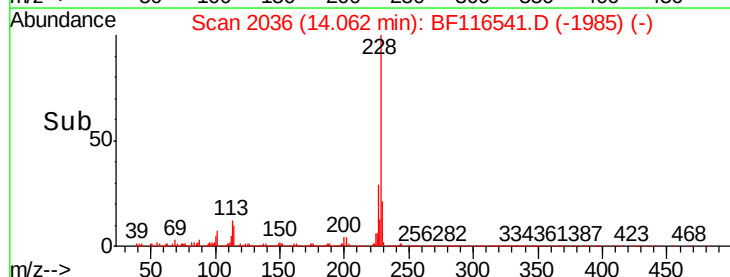
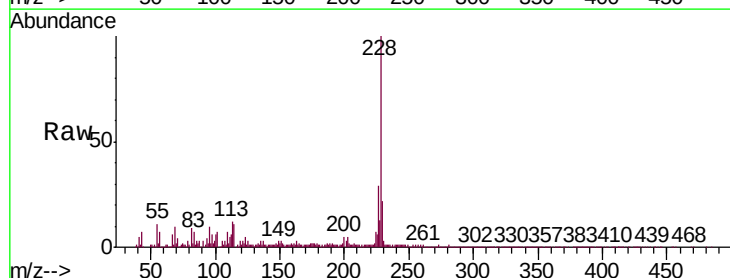
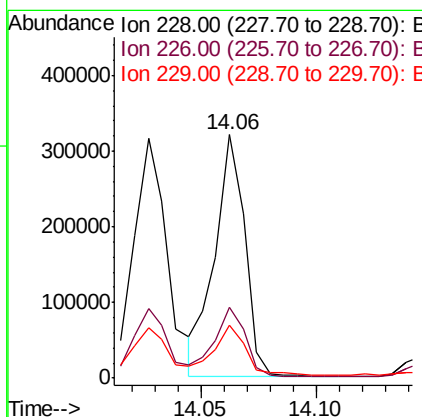
RT: 14.06 min Scan# 2036

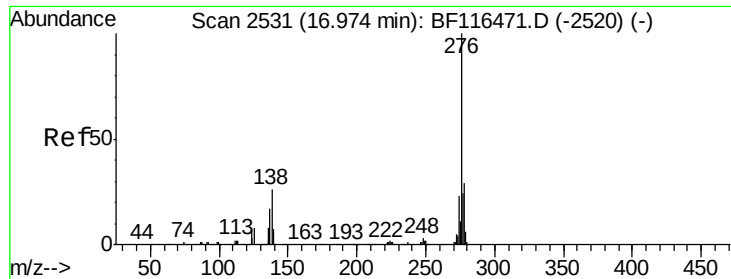
Delta R.T. -0.00 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Tgt Ion:	228	Resp:	289855
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.2	36.2
229	21.8	15.8	23.6





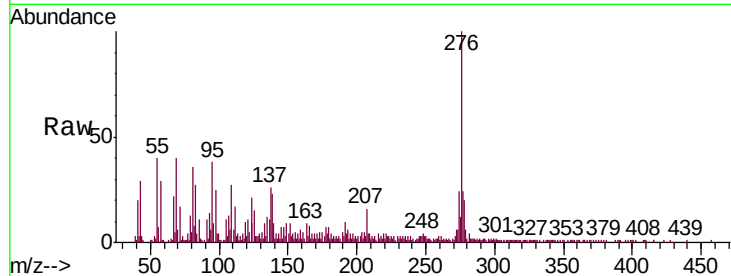
#86
Indeno(1,2,3-cd)pyrene
Concen: 10.429 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.00 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Instrument :
BNA_F
ClientSampleId :
24408-26706

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	22.9	34.3#
277	23.7	19.9	29.9

Manual Integrations
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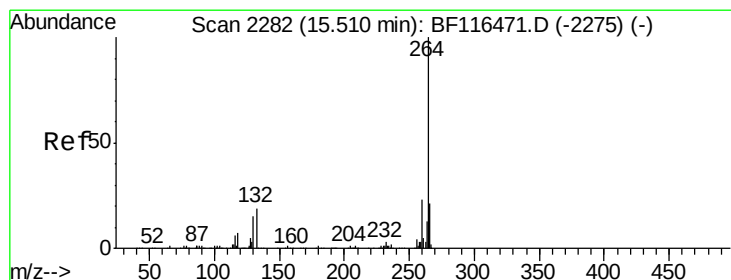
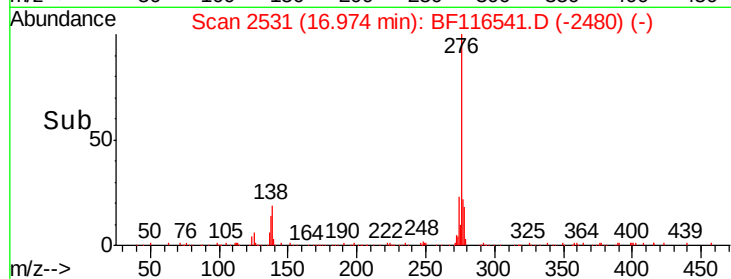
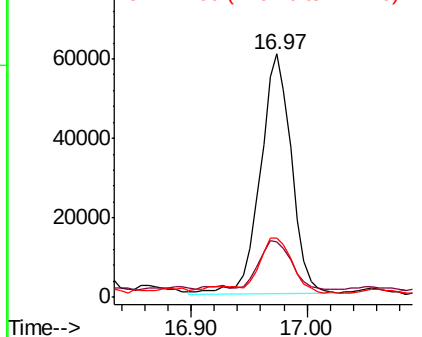


Abundance

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: 15.51 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

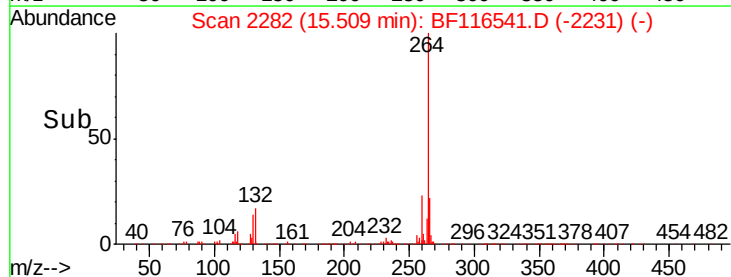
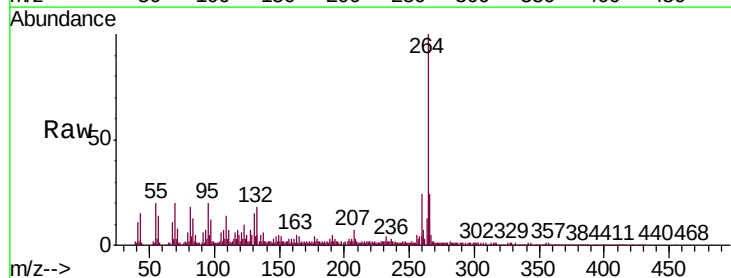
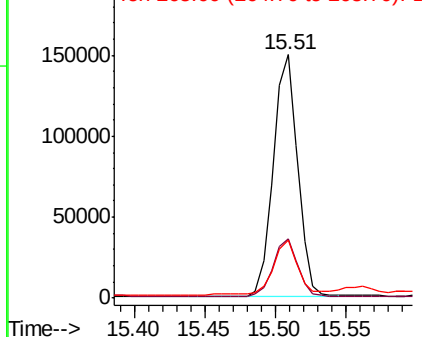
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	23.6	17.1	25.7

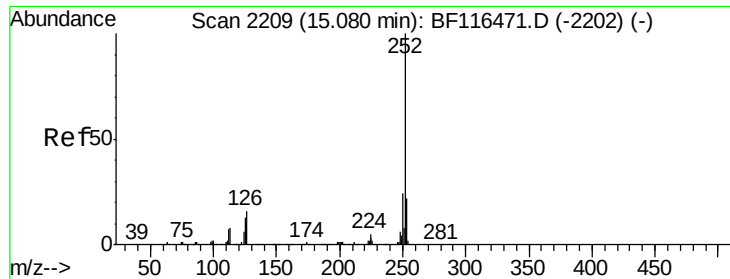
Abundance

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





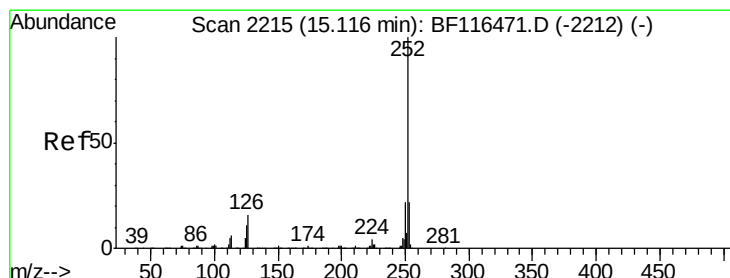
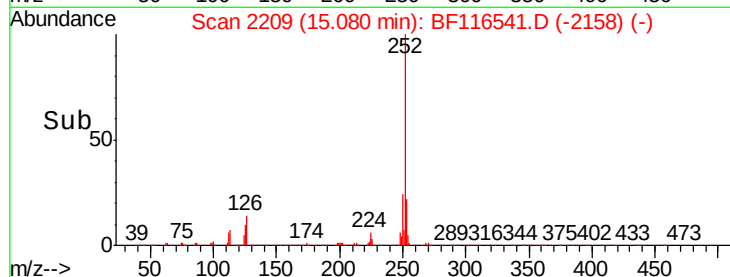
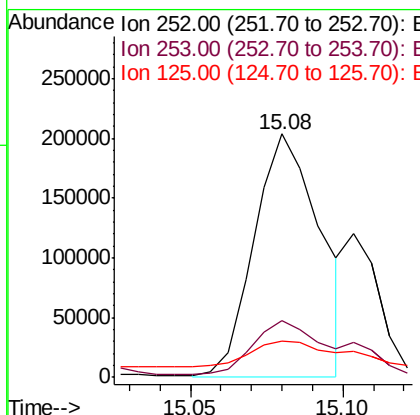
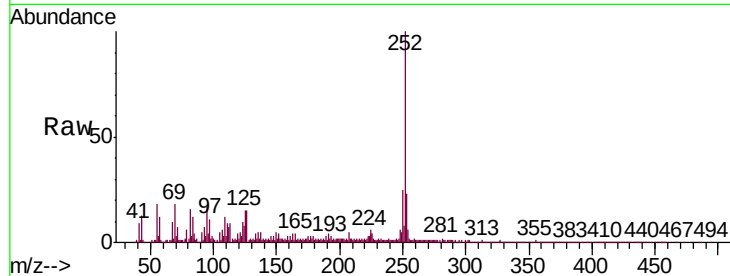
#88
Benzo(b)fluoranthene
Concen: 27.321 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Instrument :
BNA_F
ClientSampleId :
24408-26706

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	14.9	10.1	15.1

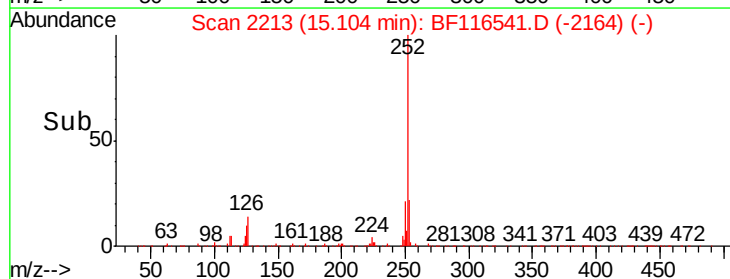
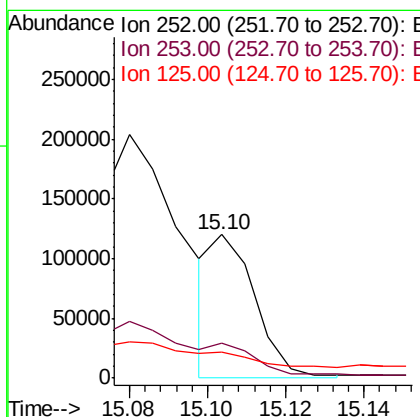
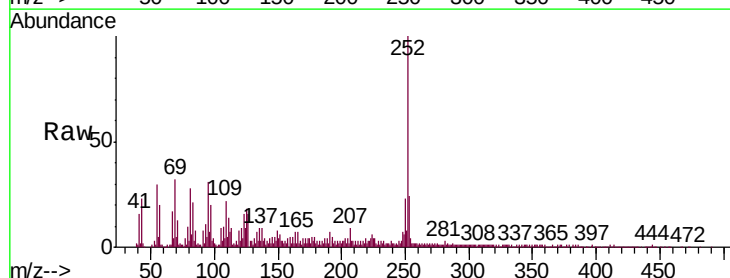
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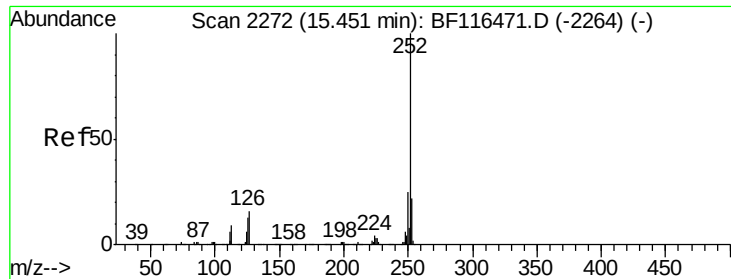
mohammad
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#89
Benzo(k)fluoranthene
Concen: 9.086 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.2
125	18.2	9.1	13.7#





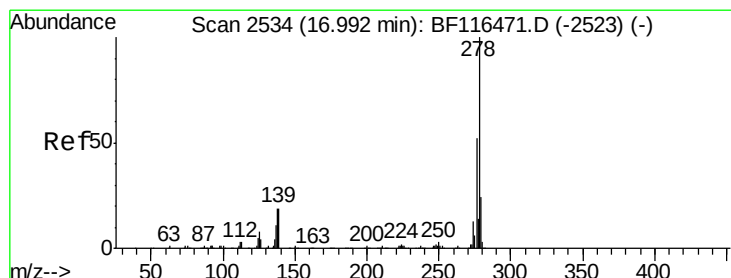
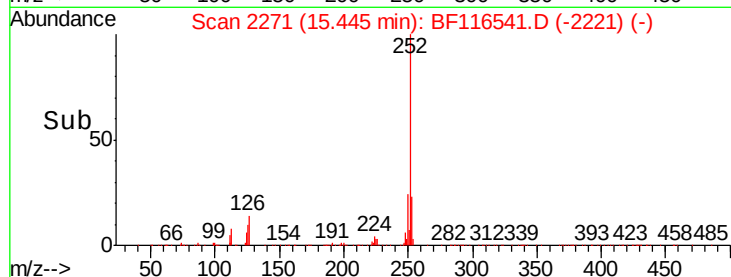
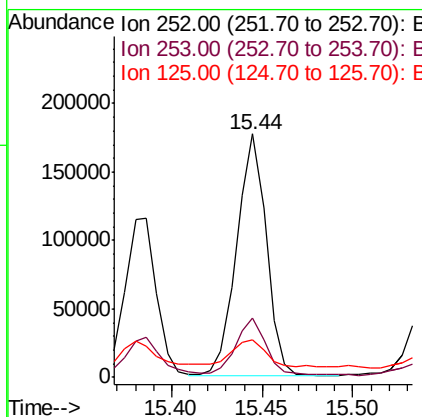
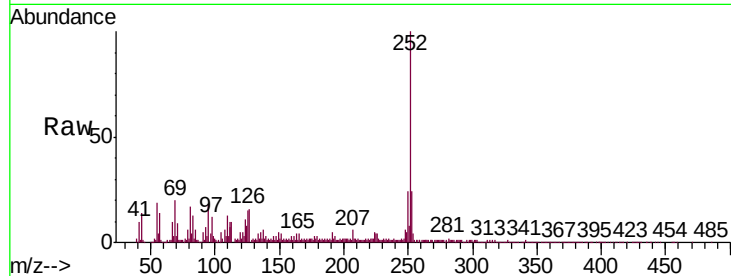
#90
Benzo(a)pyrene
Concen: 20.161 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Instrument :
BNA_F
ClientSampleId :
24408-26706

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.2	25.8
125	15.4	10.2	15.4

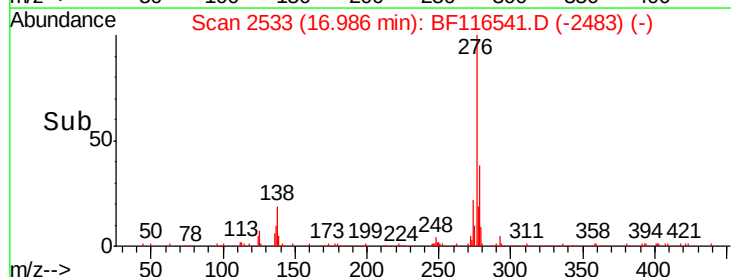
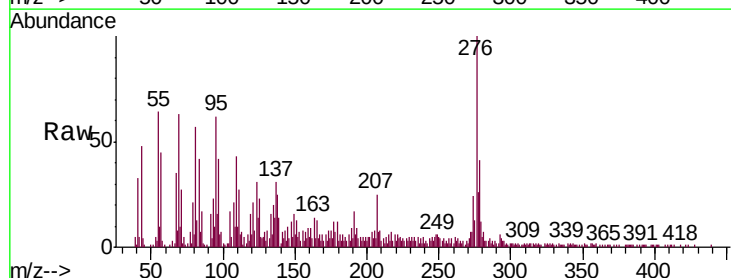
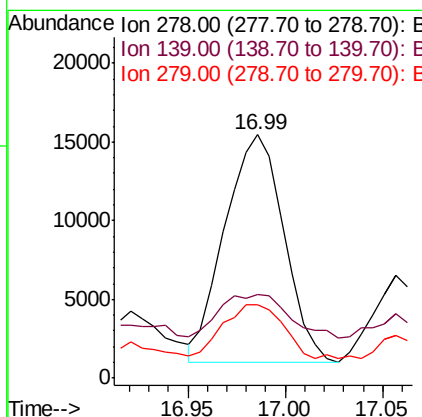
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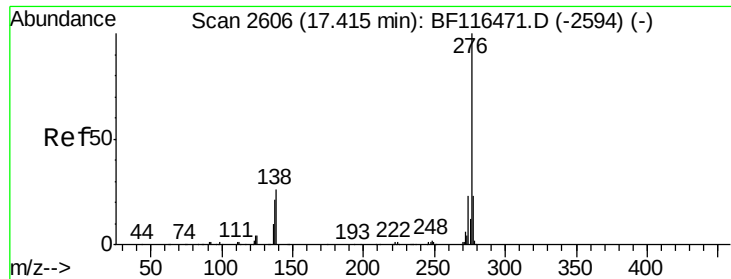
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 3.705 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.6	15.3	22.9#
279	30.1	19.0	28.6#





#92

Benzo(a,h,i)perylene

Concen: 13.239 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.00 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Instrument :

BNA_F

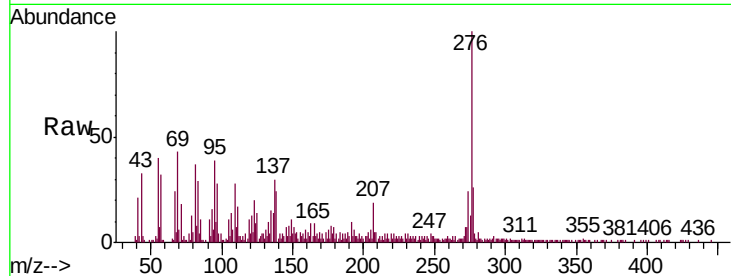
ClientSampleId :

24408-26706

Tot Ion:	276	Resp:	103085
Ion Ratio		Lower	Upper
276	100		
277	25.6	18.7	28.1
138	24.4	20.8	31.2

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

