

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
 Data File : BF119300.D
 Acq On : 9 Mar 2020 23:26
 Operator : CG/JU
 Sample : L1844-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-15-030520

Manual Integrations
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mohammad
 3/10/2020 2:44:33 PM

Quant Time: Mar 10 01:03:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	94859	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	359451	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	191946	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	337260	20.00	ng	0.00
76) Chrysene-d12	13.89	240	202761	20.00	ng	0.00
87) Perylene-d12	15.31	264	261844	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	570628	100.53	ng	0.00
7) Phenol-d6	6.38	99	690653	100.05	ng	0.00
23) Nitrobenzene-d5	7.29	82	453657	66.64	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	221171	88.08	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	864235	66.33	ng	0.00
79) Terphenyl-d14	12.82	244	872012	74.04	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.03	128	88601	4.753	ng	98
37) 2-Methylnaphthalene	8.72	142	76543	6.101	ng	98
38) 1-Methylnaphthalene	8.82	142	68449	5.802	ng	96
49) Acenaphthylene	9.62	152	45535	2.522	ng	97
50) Dimethylphthalate	9.47	163	185275	12.623	ng	99
55) Dibenzofuran	9.96	168	39949	2.458	ng	# 95
71) Phenanthrene	11.26	178	261155	14.199	ng	98
72) Anthracene	11.32	178	136718	7.440	ng	96
75) Fluoranthene	12.46	202	1186825	60.791	ng	98
78) Pyrene	12.69	202	927980	56.996	ng	99
81) Benzo(a)anthracene	13.87	228	469747	34.002	ng	99
83) Chrysene	13.91	228	381168	27.689	ng	97
86) Indeno(1,2,3-cd)pyrene	16.72	276	119938	8.998	ng	97
88) Benzo(b)fluoranthene	14.91	252	410622m	23.791	ng	
89) Benzo(k)fluoranthene	14.93	252	166266m	10.395	ng	
90) Benzo(a)pyrene	15.26	252	250335	16.071	ng	98
91) Dibenzo(a,h)anthracene	16.72	278	36130	2.636	ng	# 86
92) Benzo(g,h,i)perylene	17.15	276	94949	7.011	ng	95

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

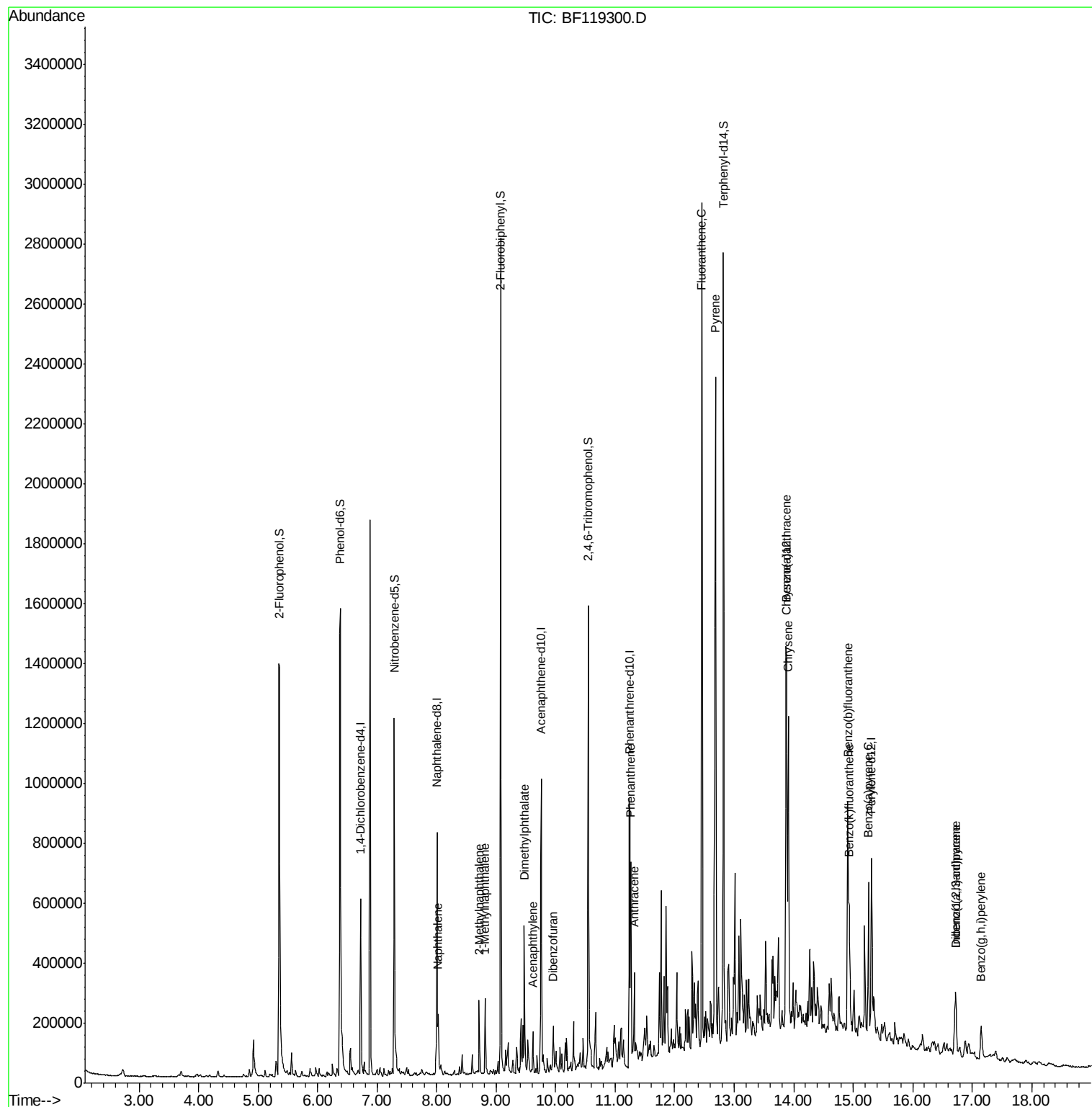
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
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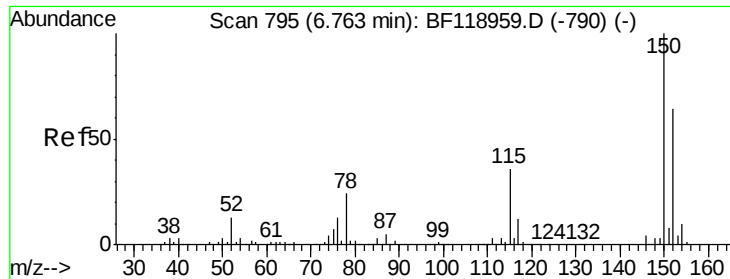
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

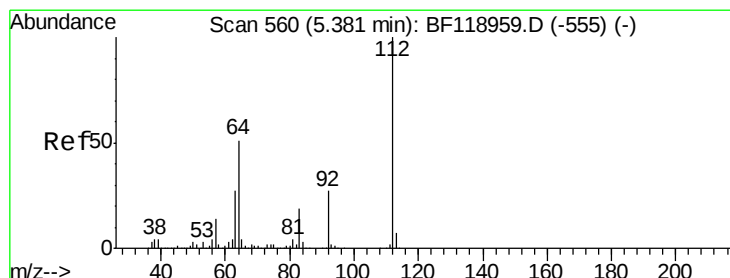
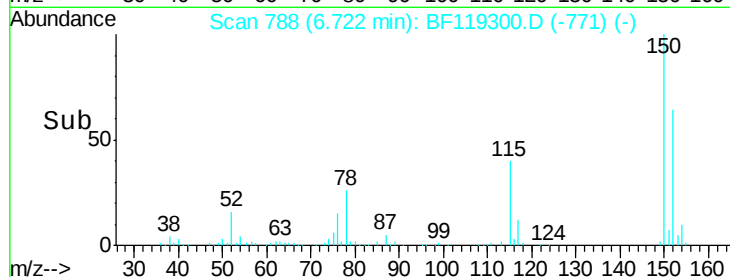
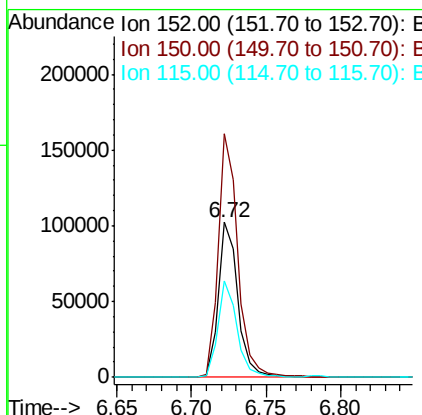
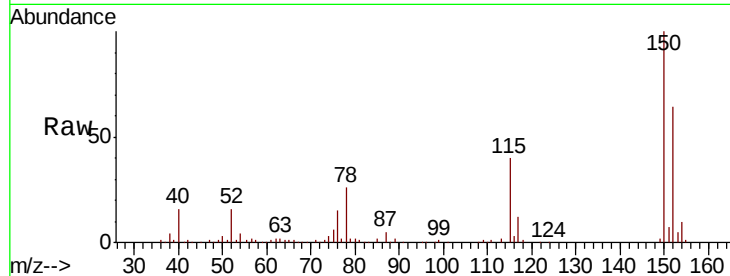
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Instrument :
BNA_F
ClientSampleId :
GP-15-030520

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	123.0	184.6
115	62.3	49.5	74.3

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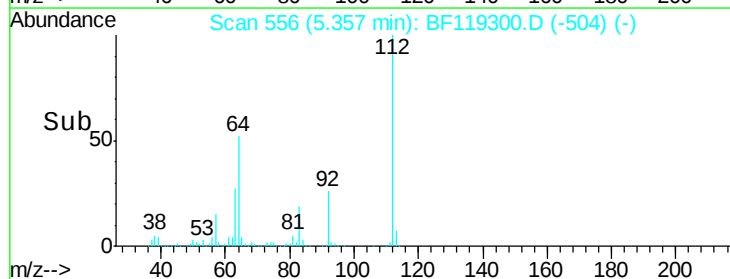
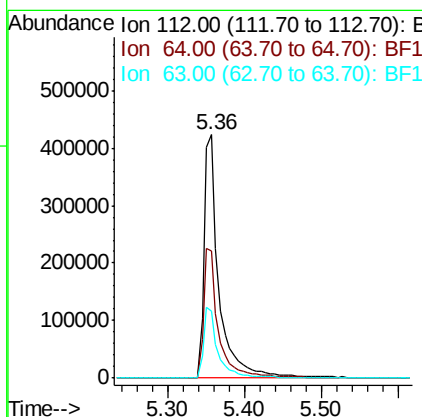
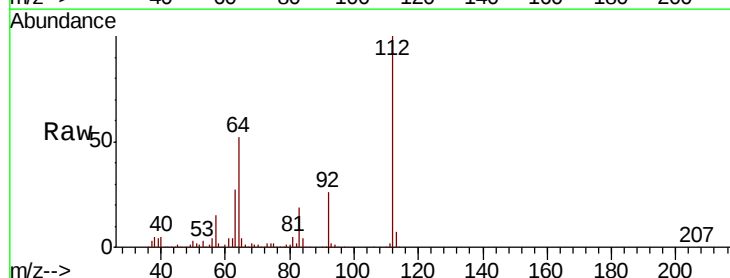
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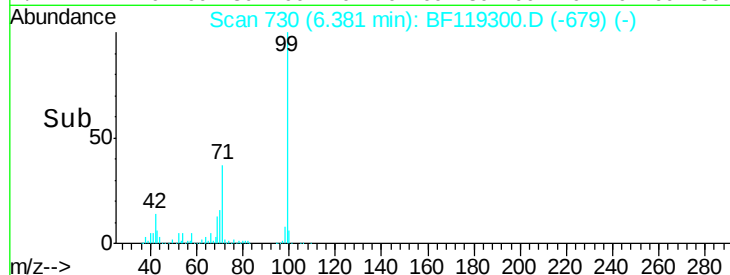
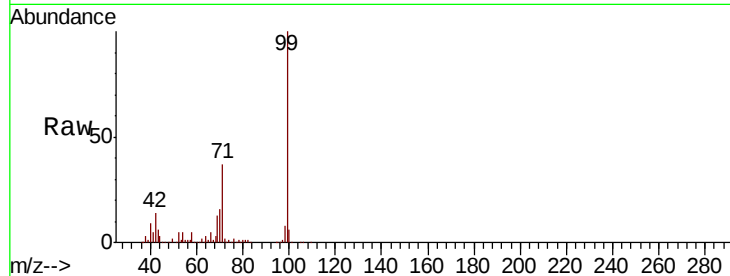


#5

2-Fluorophenol
Concen: 100.530 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	45.0	67.4
63	27.3	24.2	36.4





#7

Phenol-d6

Concen: 100.047 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119300.D

Acq: 9 Mar 2020 23:26

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		690653		
42	14.1	12.6	18.8		
71	37.3	31.0	46.4		

Instrument :

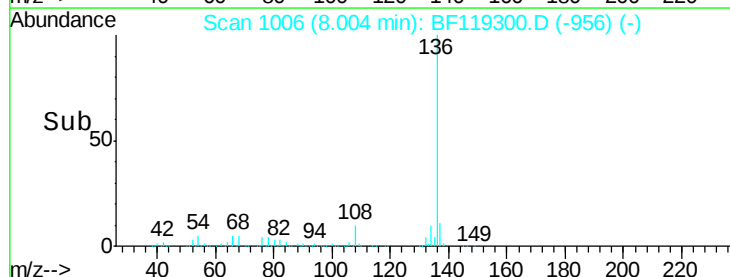
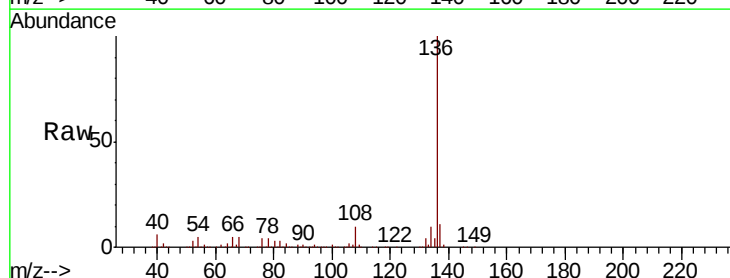
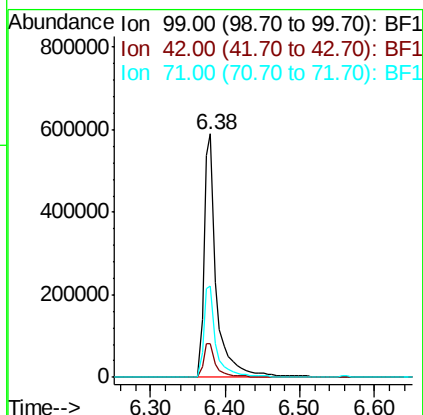
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ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

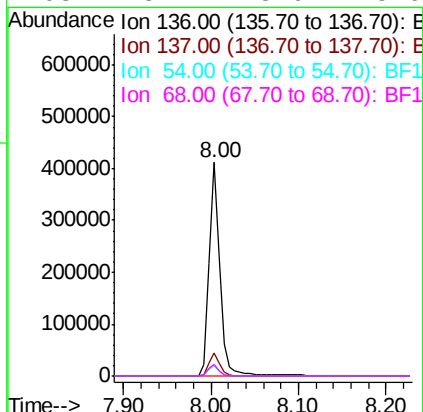
RT: 8.00 min Scan# 1006

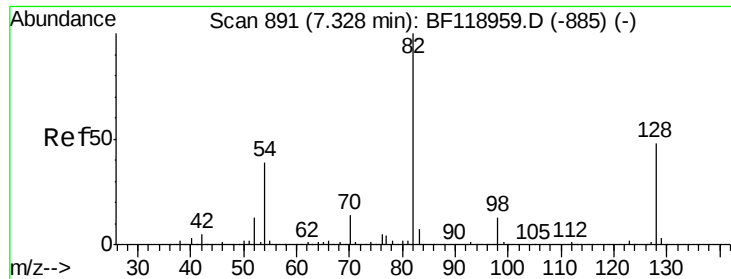
Delta R.T. -0.01 min

Lab File: BF119300.D

Acq: 9 Mar 2020 23:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		359451		
137	10.7	8.8	13.2		
54	4.8	3.8	5.6		
68	5.2	3.9	5.9		





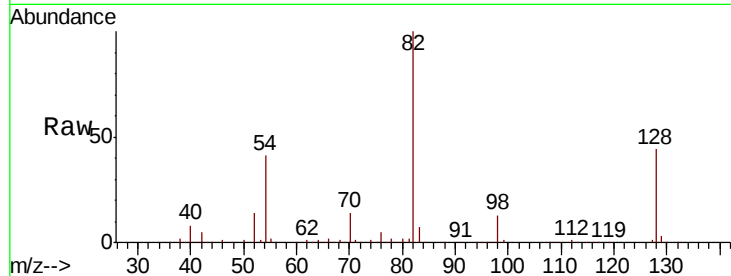
#23
Nitrobenzene-d5
Concen: 66.638 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Instrument :
BNA_F
ClientSampleId :
GP-15-030520

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	37.9	56.9
54	40.5	33.4	50.2

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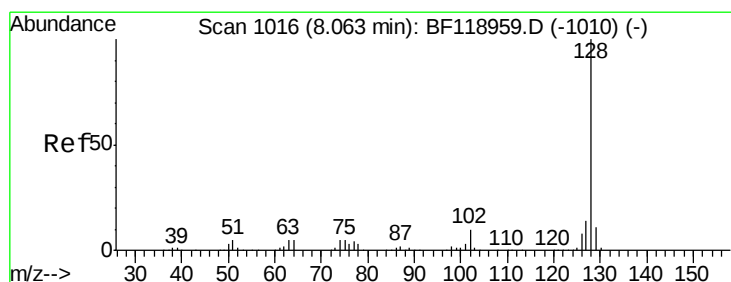
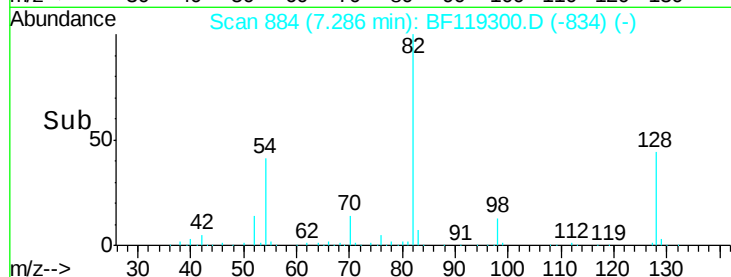
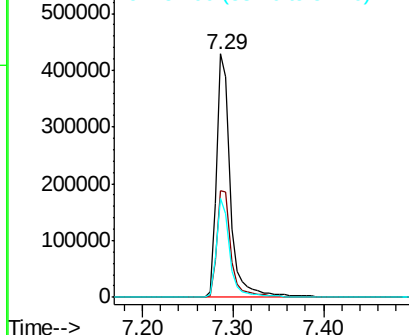


Abundance

Ion 82.00 (81.70 to 82.70): BF1

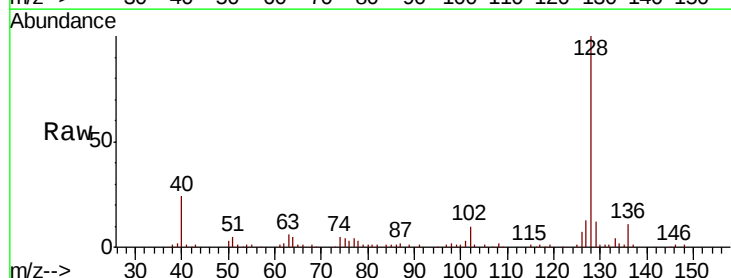
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#31
Naphthalene
Concen: 4.753 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.4	14.2
127	13.1	11.4	17.2

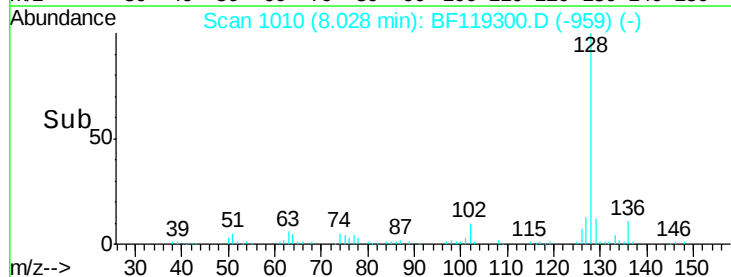
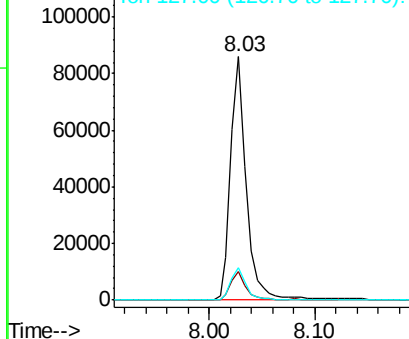


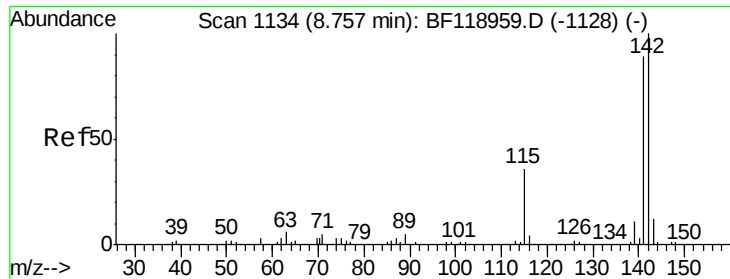
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





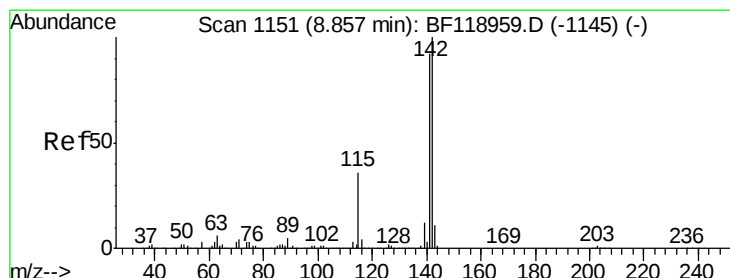
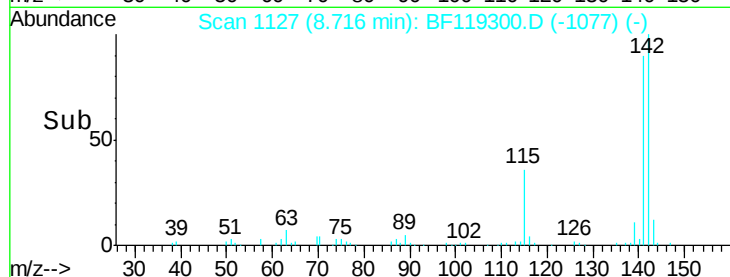
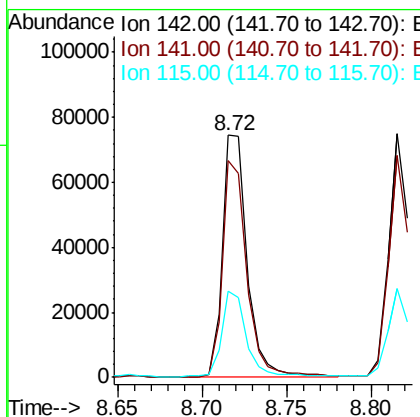
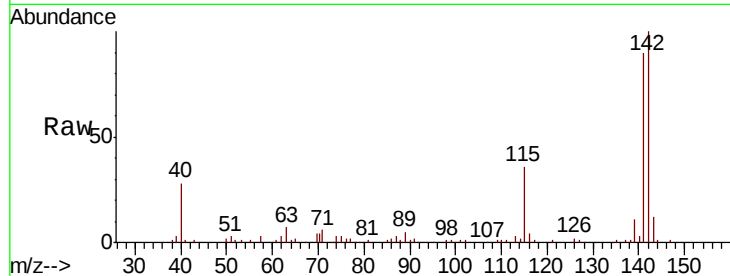
#37
2-Methylnaphthalene
Concen: 6.101 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Instrument :
BNA_F
ClientSampleId :
GP-15-030520

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.3	108.5
115	35.7	30.6	45.8

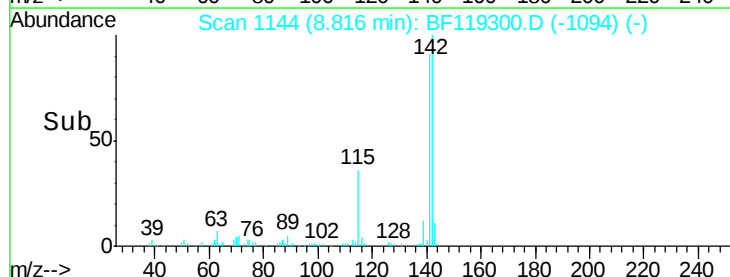
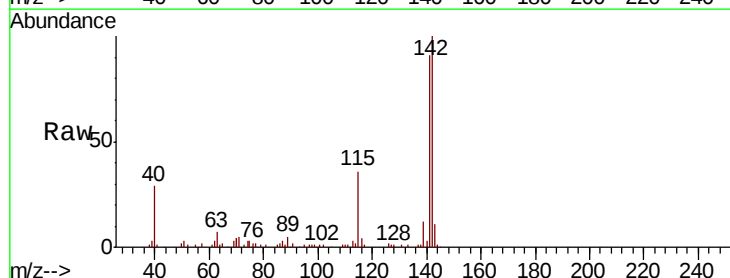
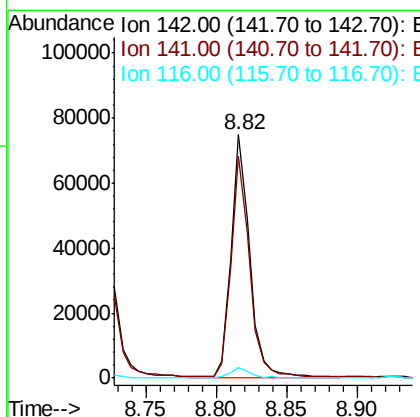
Manual Integrations
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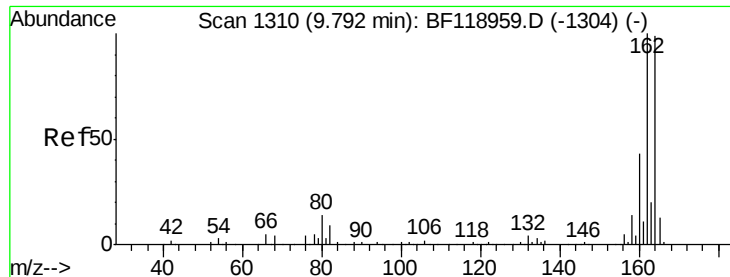
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#38
1-Methylnaphthalene
Concen: 5.802 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	75.8	113.6
116	4.2	3.1	4.7





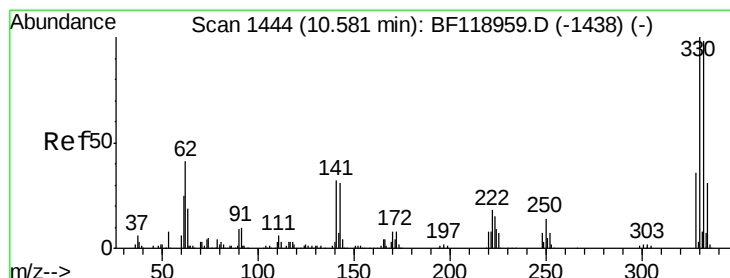
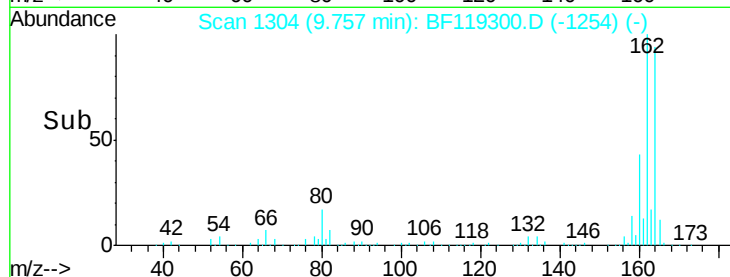
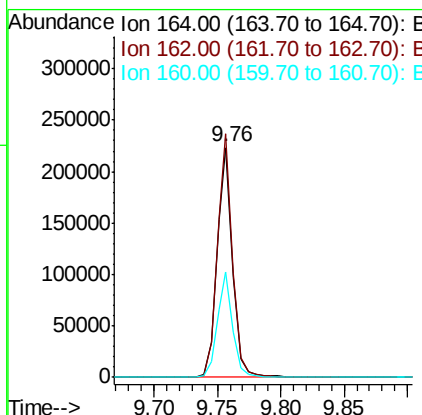
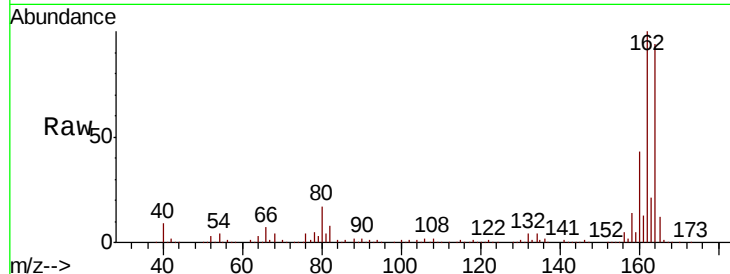
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF119300.D
 Acq: 9 Mar 2020 23:26

Instrument :
 BNA_F
 ClientSampleId :
 GP-15-030520

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.9	81.8	122.8	
160	45.7	36.0	54.0	

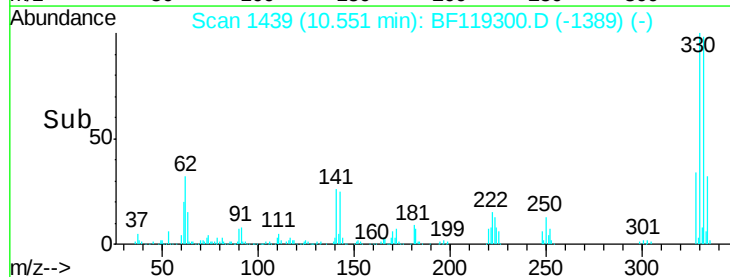
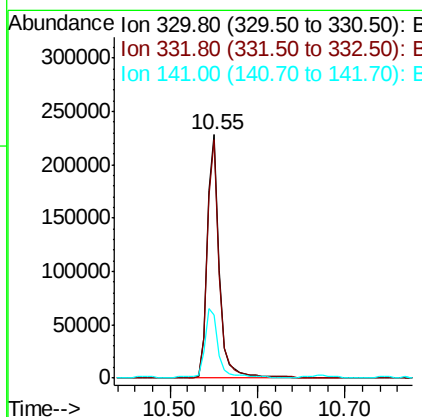
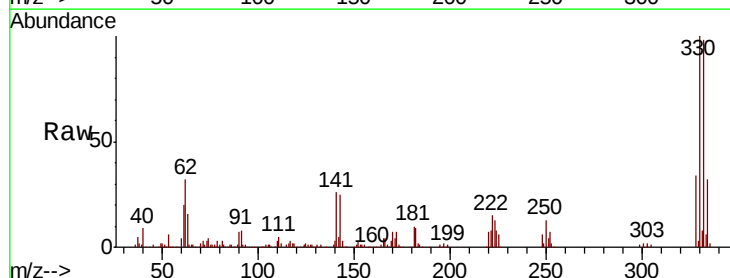
Manual Integrations
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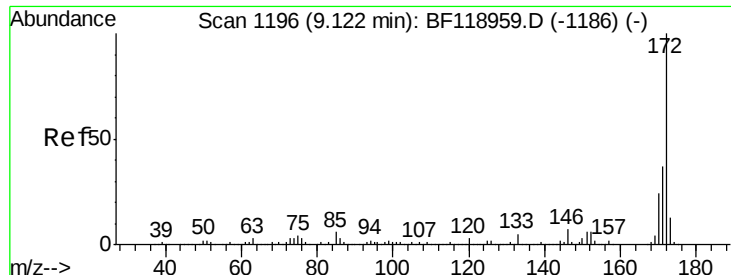
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#42
 2,4,6-Tribromophenol
 Concen: 88.082 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119300.D
 Acq: 9 Mar 2020 23:26

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.5	76.0	114.0	
141	31.2	22.9	34.3	





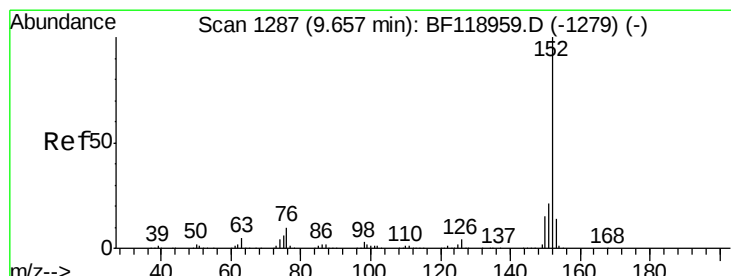
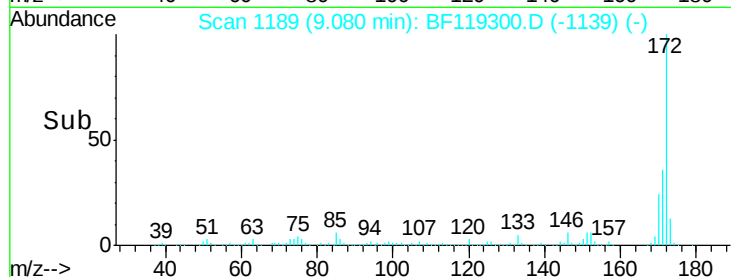
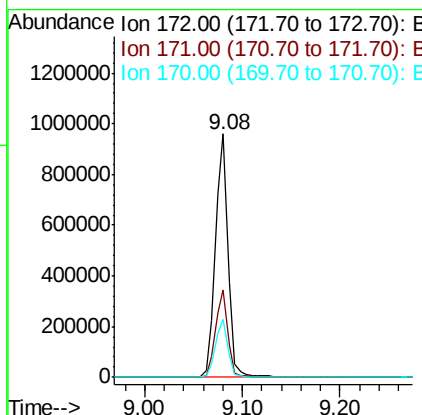
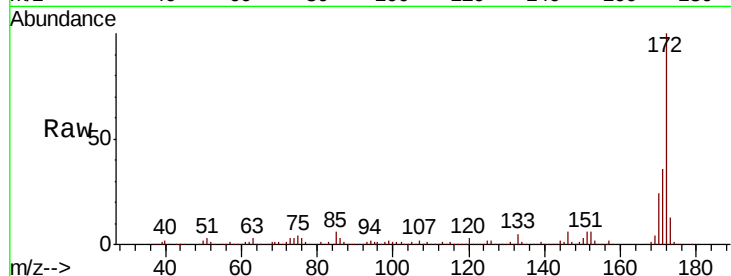
#45
2-Fluorobiphenyl
Concen: 66.329 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Instrument :
BNA_F
ClientSampleId :
GP-15-030520

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.6	45.8
170	24.0	20.2	30.2

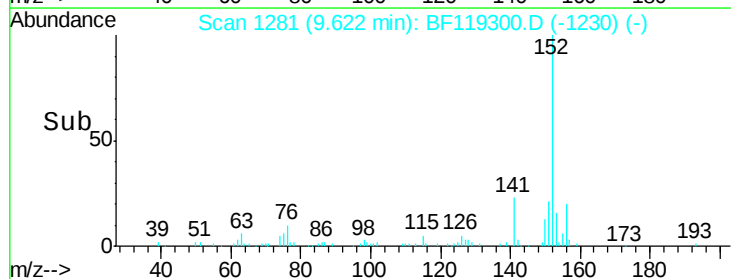
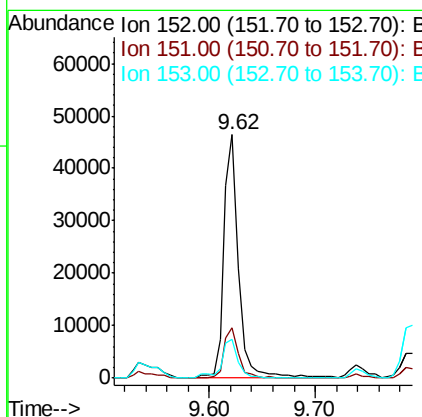
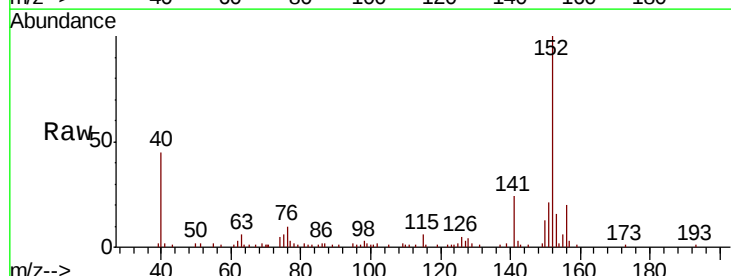
Manual Integrations
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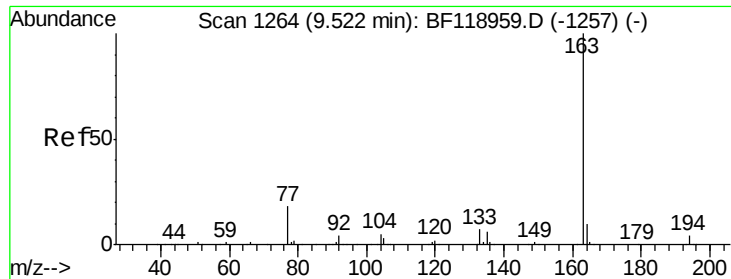
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#49
Acenaphthylene
Concen: 2.522 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.9	25.3
153	15.8	11.0	16.6





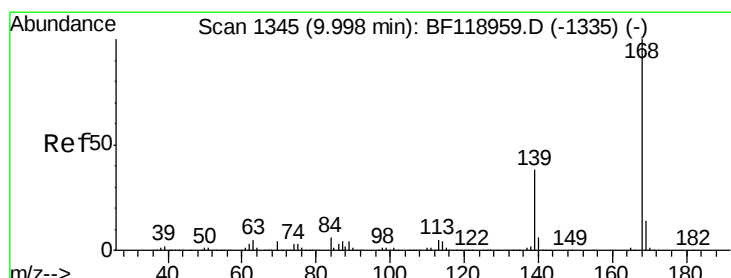
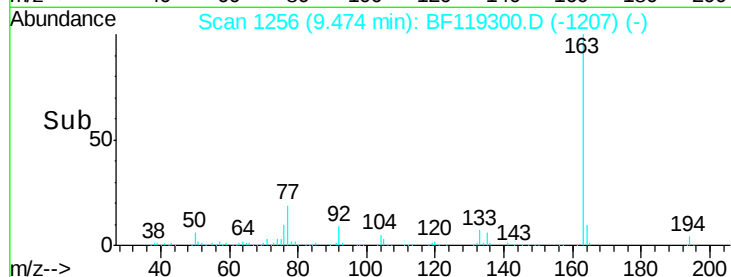
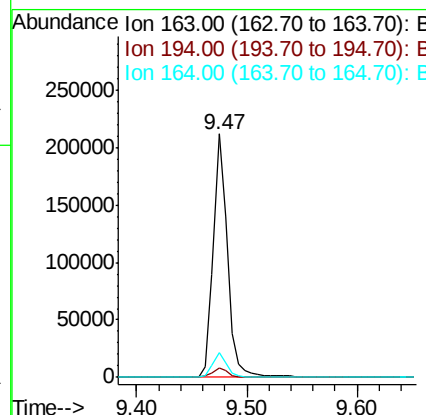
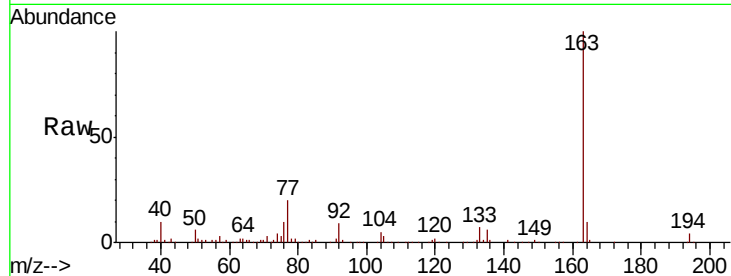
#50
Dimethylphthalate
Concen: 12.623 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Instrument :
BNA_F
ClientSampleId :
GP-15-030520

Tot Ion	Ratio	Resp	Lower	Upper
163	100	185275		
194	4.0		3.5	5.3
164	10.1		8.4	12.6

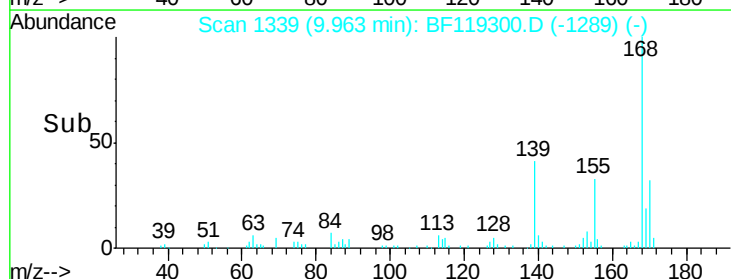
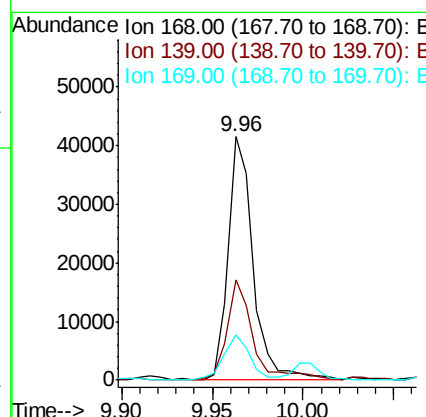
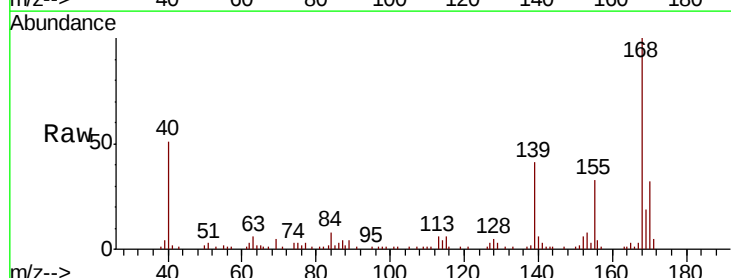
Manual Integrations
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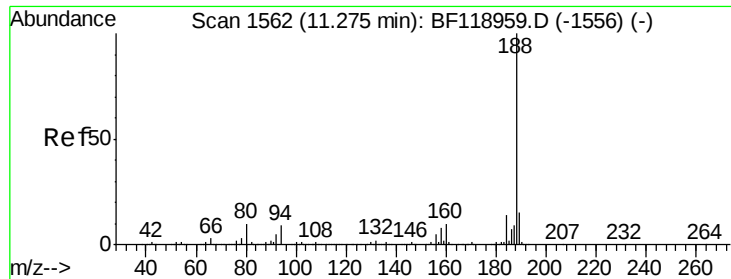
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#55
Dibenzofuran
Concen: 2.458 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	39949		
139	41.0		34.0	51.0
169	18.8		11.0	16.4





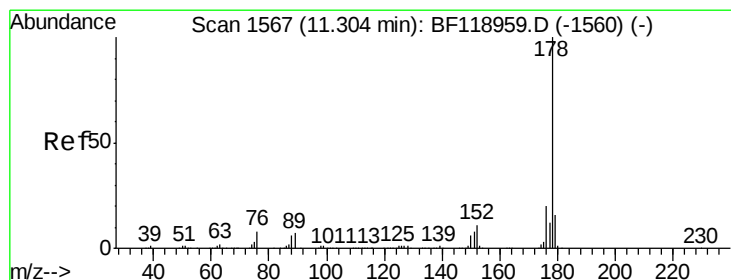
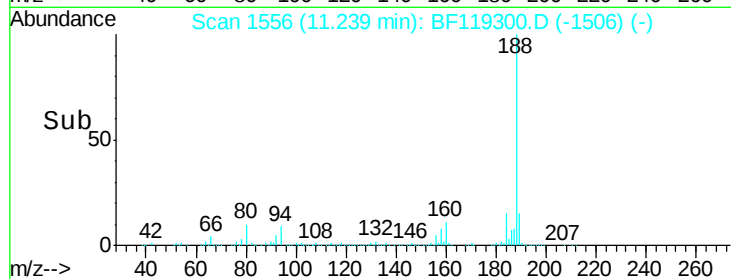
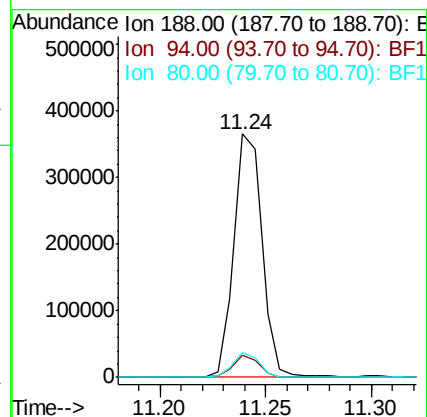
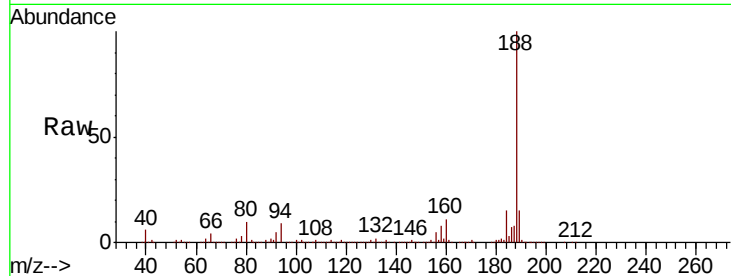
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Instrument :
BNA_F
ClientSampleId :
GP-15-030520

Tot Ion	Ratio	Resp	Lower	Upper
188	100	337260		
94	9.0		7.1	10.7
80	10.3		7.8	11.8

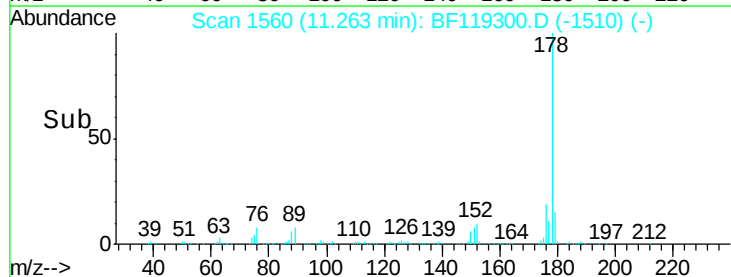
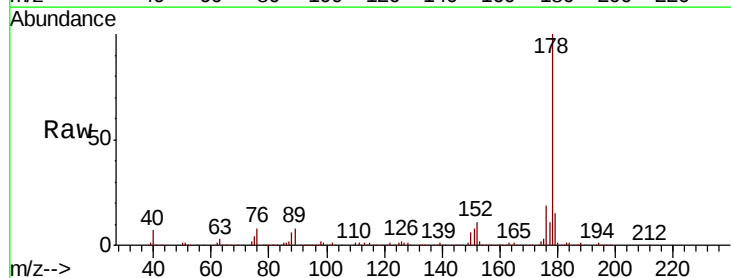
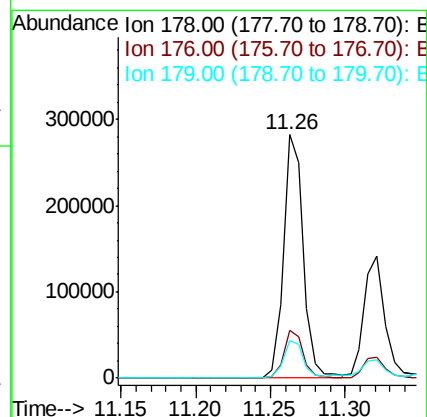
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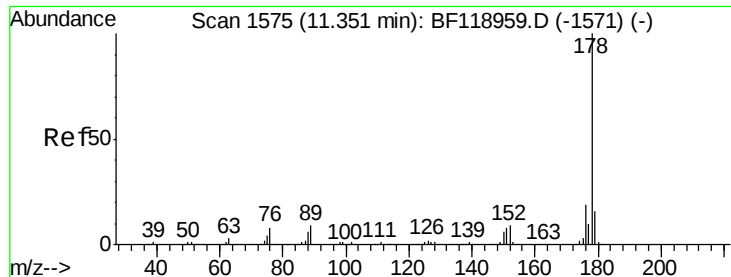
mohammad
3/10/2020 2:44:33 PM



#71
Phenanthrene
Concen: 14.199 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	261155		
176	19.4		16.5	24.7
179	15.4		13.0	19.6





#72

Anthracene

Concen: 7.440 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF119300.D

Acq: 9 Mar 2020 23:26

Instrument :

BNA_F

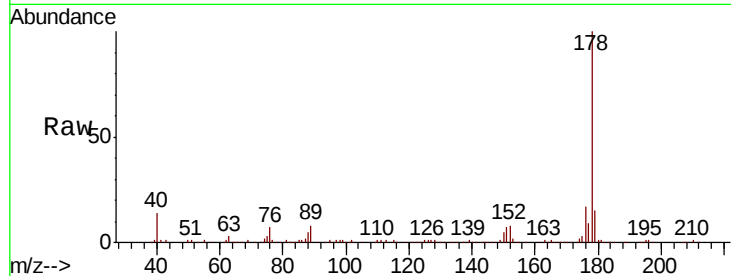
ClientSampleId :

GP-15-030520

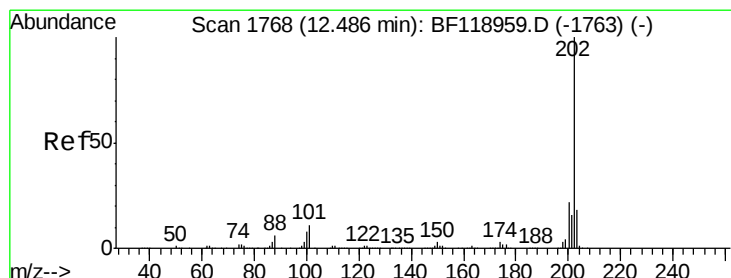
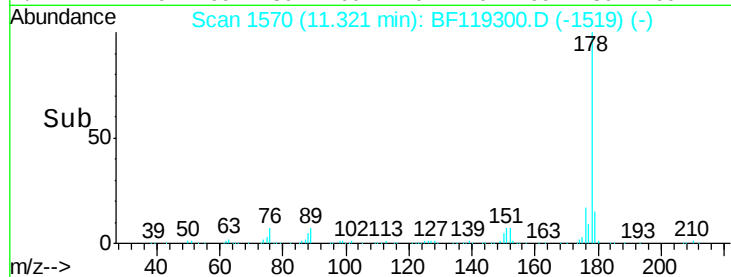
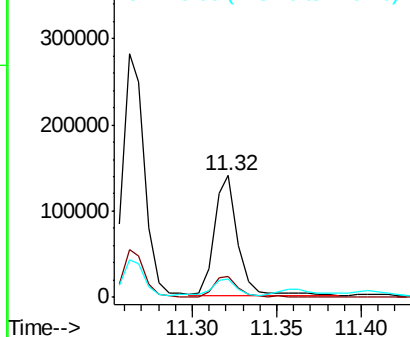
Tot Ion:	178	Resp:	136718
Ion Ratio	Lower	Upper	
178	100		
176	17.4	16.0	24.0
179	15.5	13.1	19.7

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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: 60.791 ng

RT: 12.46 min Scan# 1764

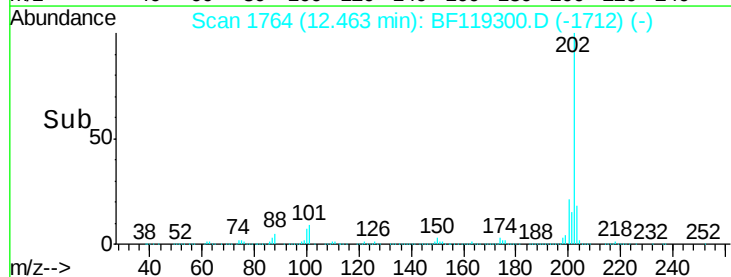
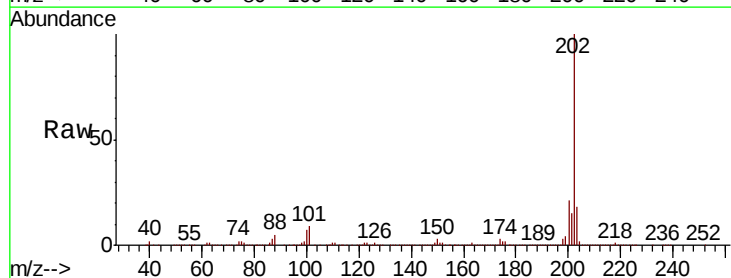
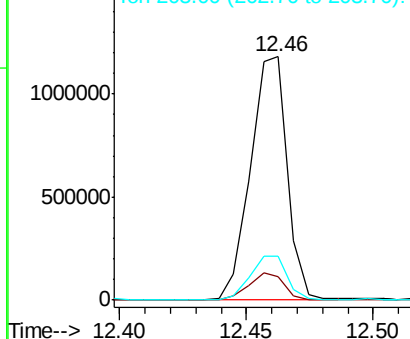
Delta R.T. 0.01 min

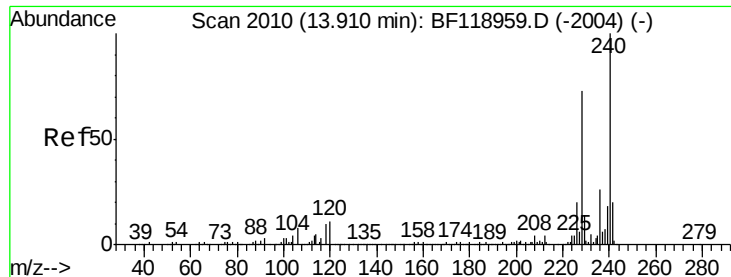
Lab File: BF119300.D

Acq: 9 Mar 2020 23:26

Tgt Ion:	202	Resp:	1186825
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	30.3
203	17.9	0.0	38.4

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





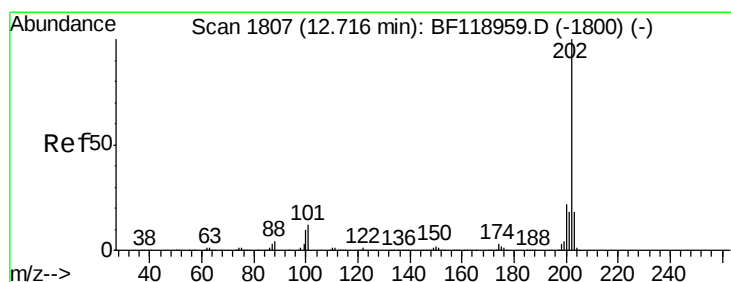
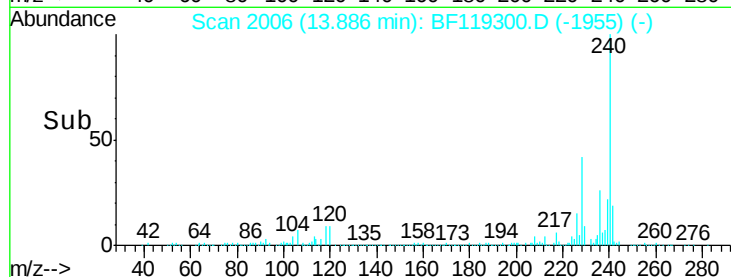
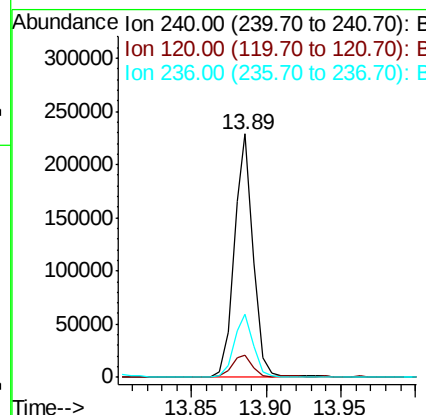
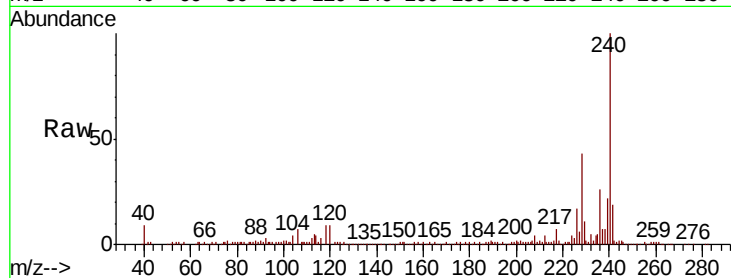
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Instrument :
BNA_F
ClientSampleId :
GP-15-030520

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.4	12.6
236	26.1	21.0	31.4

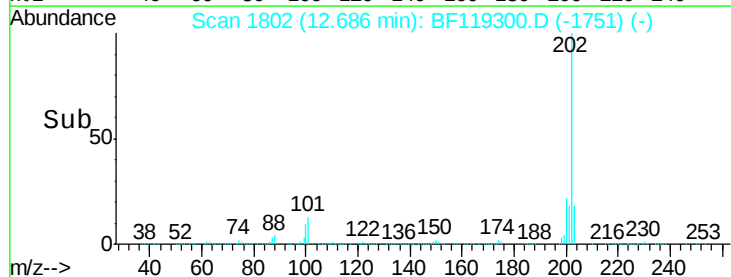
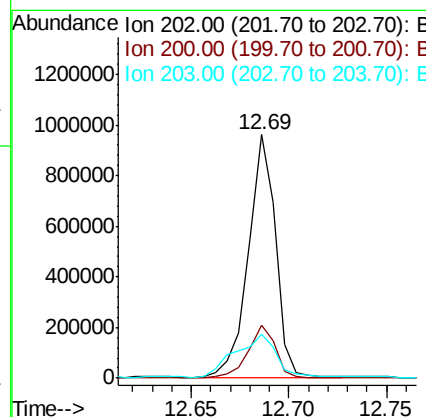
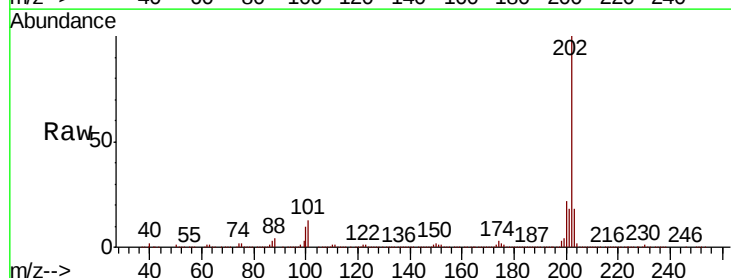
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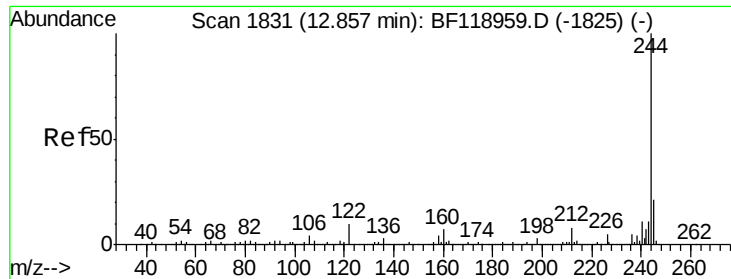
mohammad
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#78
Pyrene
Concen: 56.996 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.00 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	18.0	27.0
203	18.2	14.6	22.0





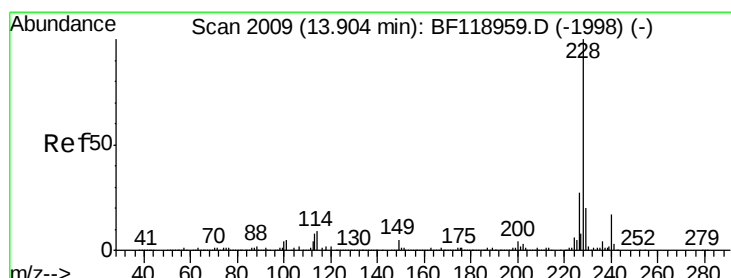
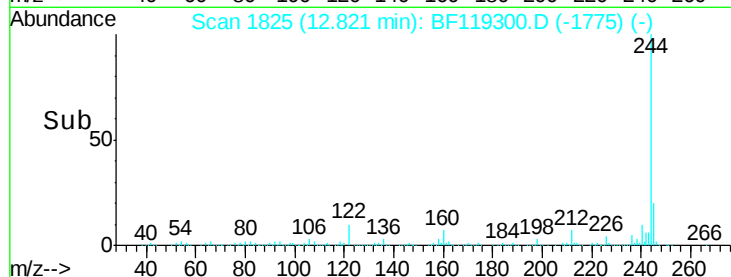
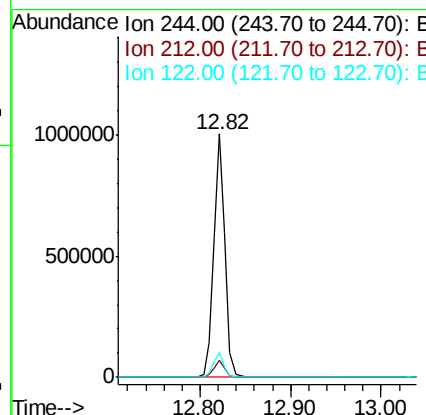
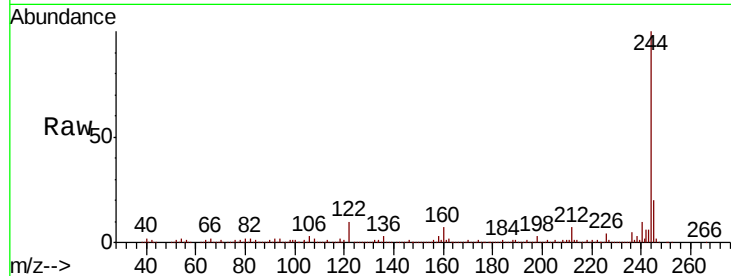
#79
 Terphenyl-d14
 Concen: 74.044 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF119300.D
 Acq: 9 Mar 2020 23:26

Instrument :
 BNA_F
 ClientSampleId :
 GP-15-030520

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.6	10.0
122	10.0	8.2	12.2

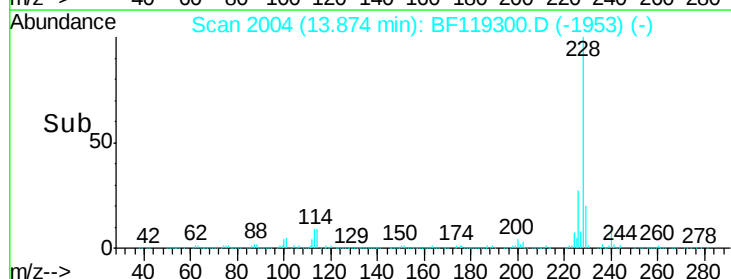
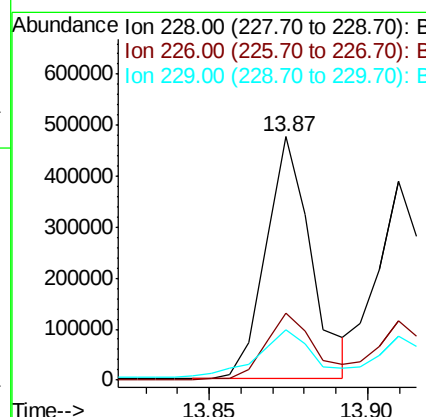
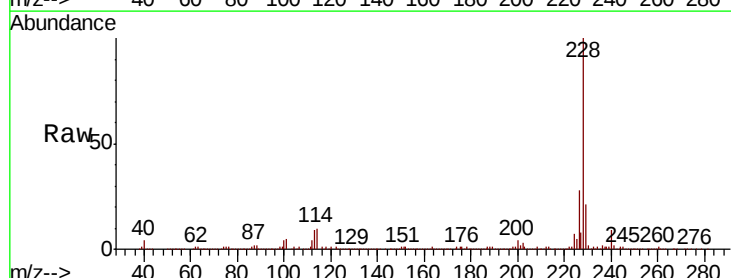
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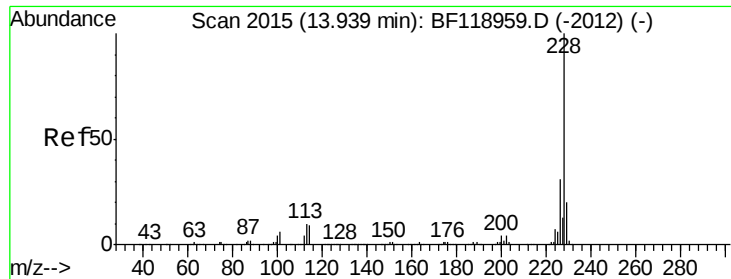
mohammad
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#81
 Benzo(a)anthracene
 Concen: 34.002 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.00 min
 Lab File: BF119300.D
 Acq: 9 Mar 2020 23:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.7	16.6	24.8





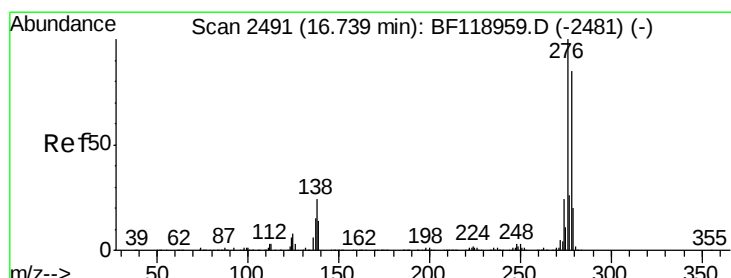
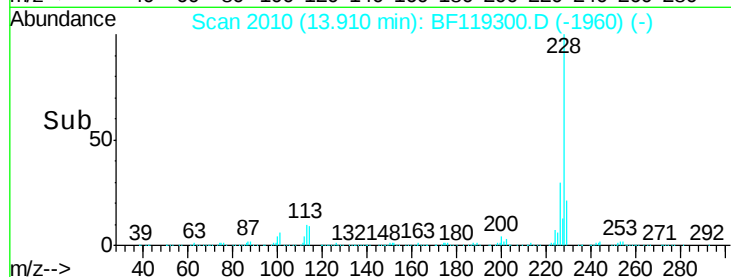
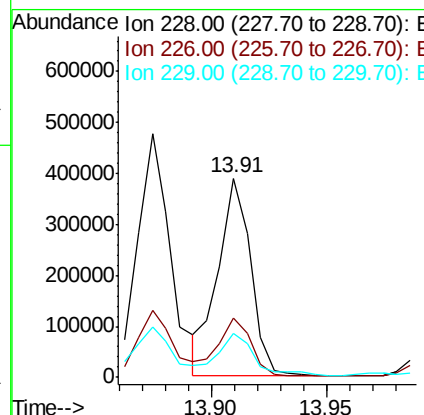
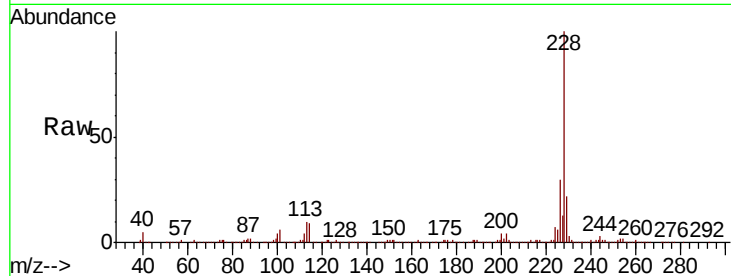
#83
Chrysene
Concen: 27.689 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Instrument :
BNA_F
ClientSampleId :
GP-15-030520

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.1	37.7
229	22.2	16.3	24.5

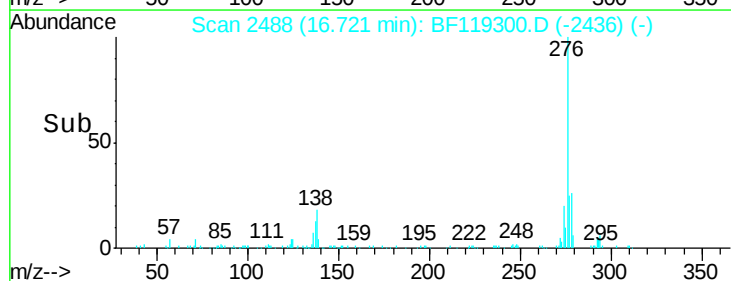
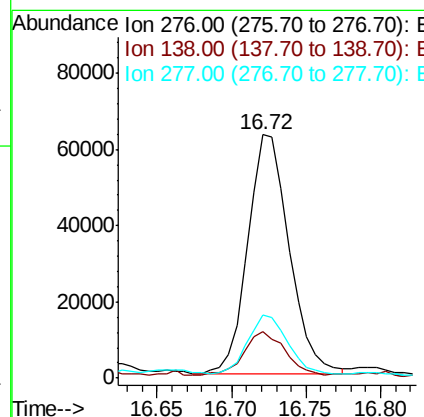
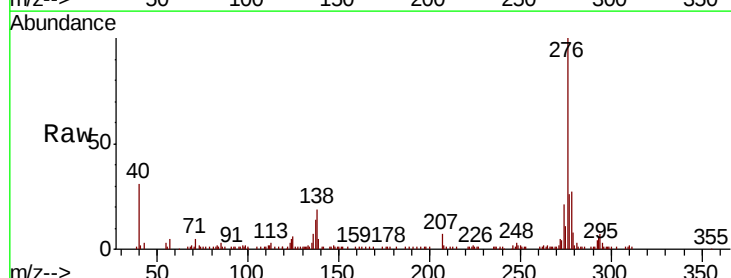
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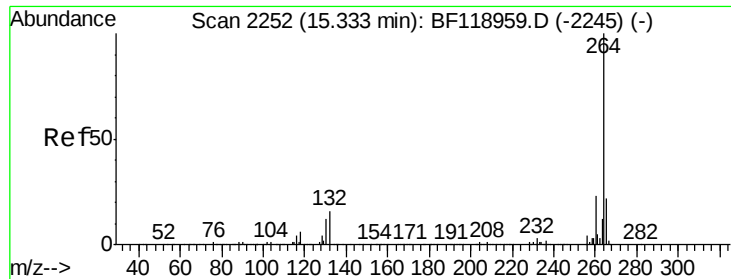
mohammad
3/10/2020 2:44:33 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 8.998 ng
RT: 16.72 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.0	17.4	26.0
277	24.8	20.3	30.5





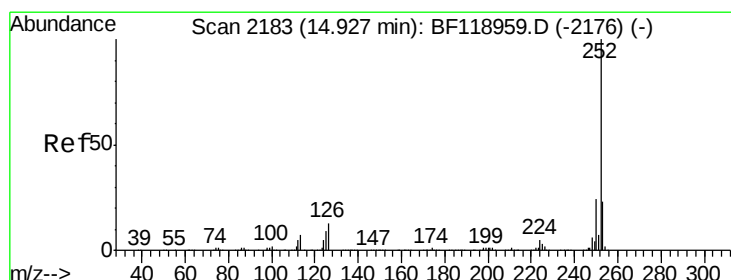
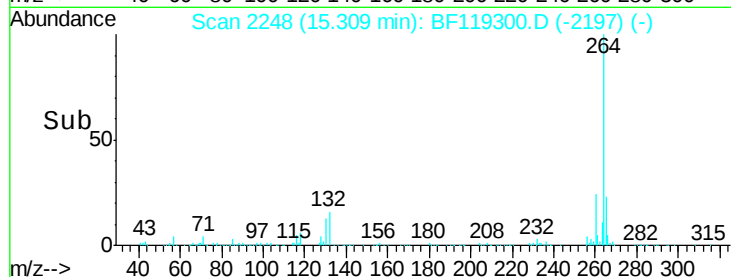
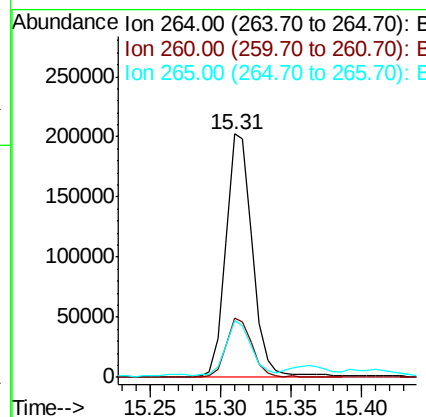
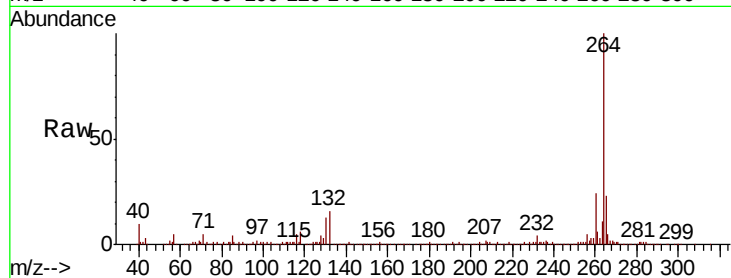
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.00 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Instrument :
BNA_F
ClientSampleId :
GP-15-030520

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	23.3	17.7	26.5

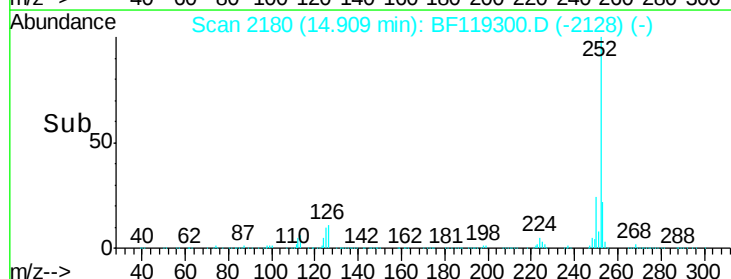
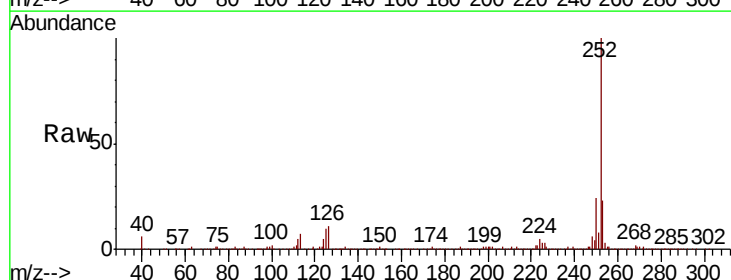
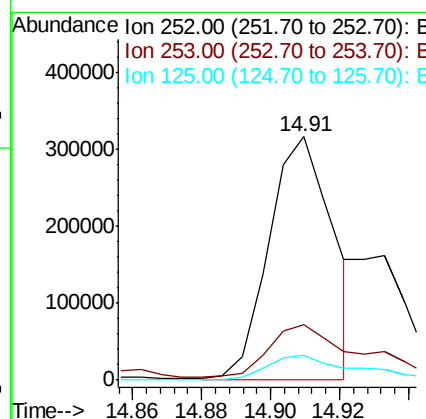
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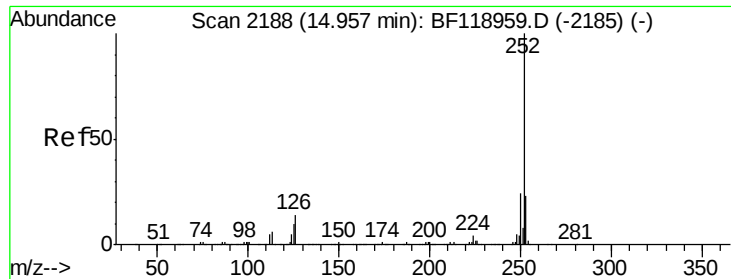
mohammad
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#88
Benzo(b)fluoranthene
Concen: 23.791 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	10.2	7.4	11.0





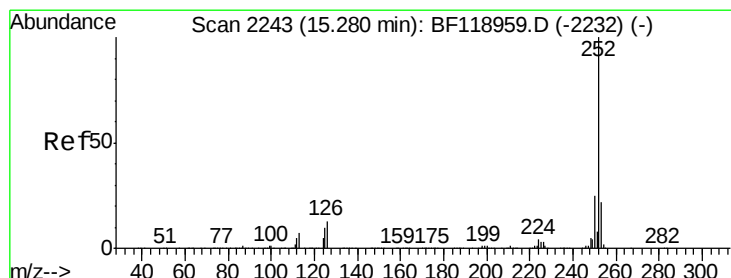
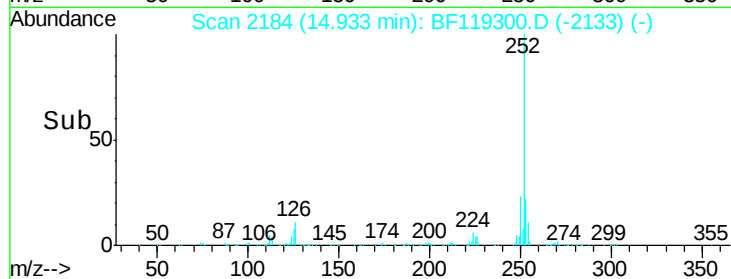
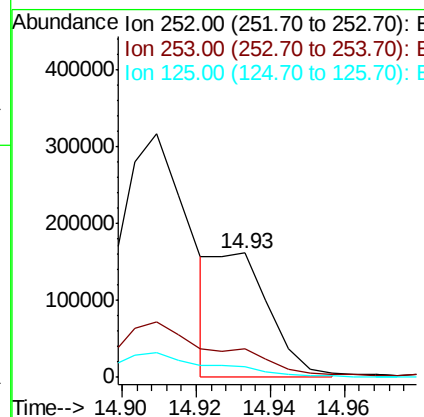
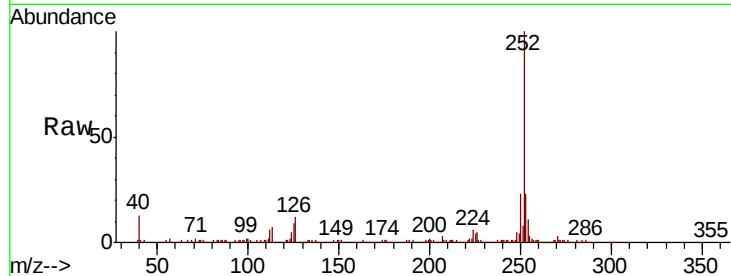
#89
Benzo(k)fluoranthene
Concen: 10.395 ng m
RT: 14.93 min Scan# 2184
Delta R.T. 0.00 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Instrument :
BNA_F
ClientSampleId :
GP-15-030520

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	8.6	7.5	11.3

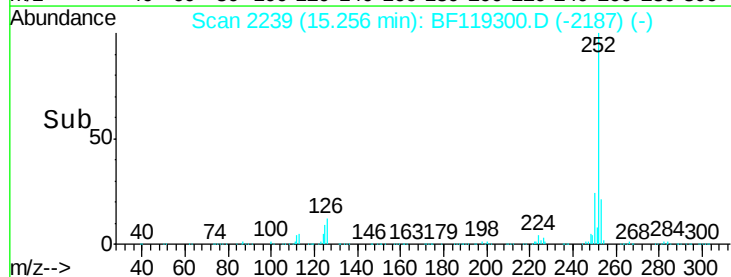
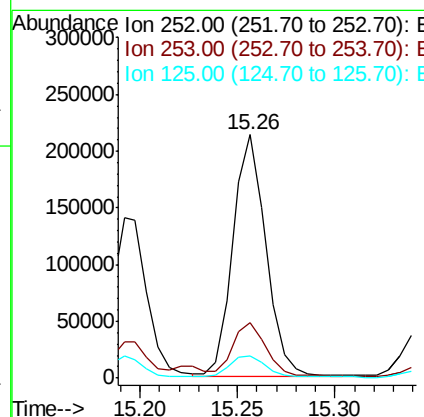
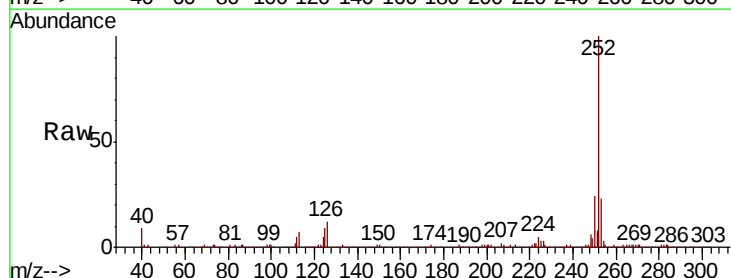
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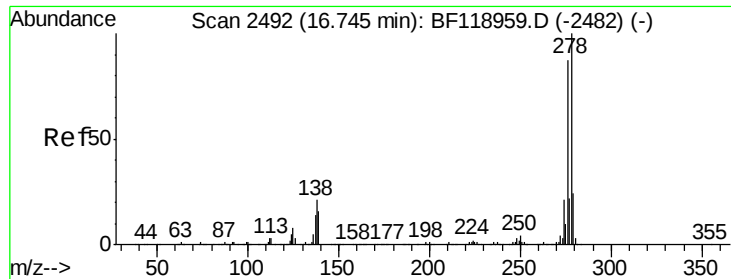
mohammad
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#90
Benzo(a)pyrene
Concen: 16.071 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	9.3	8.6	12.8





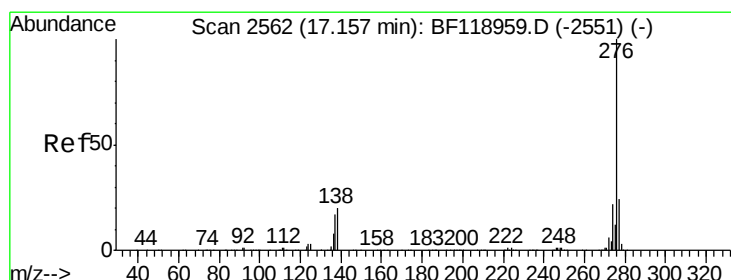
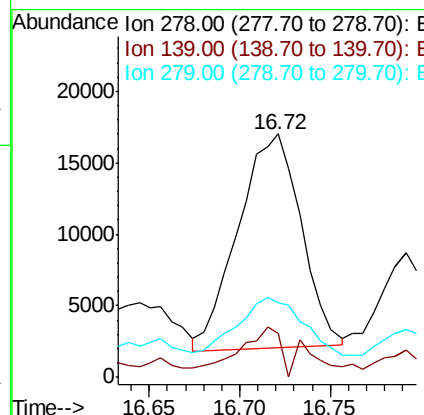
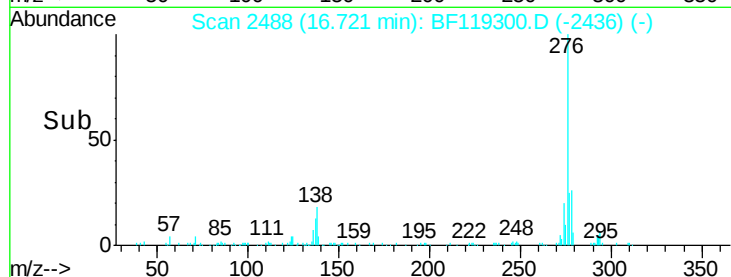
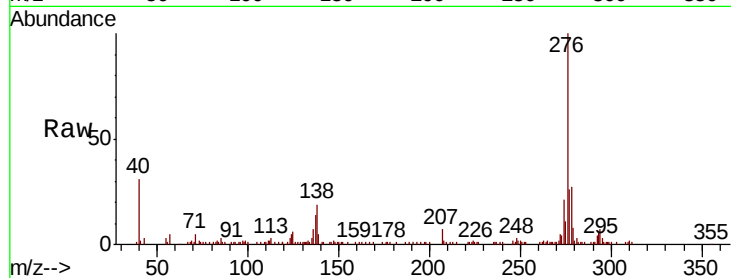
#91
Dibenzo(a,h)anthracene
Concen: 2.636 ng
RT: 16.72 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Instrument :
BNA_F
ClientSampleId :
GP-15-030520

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.0	11.0	16.4#
279	30.7	18.6	28.0#

Manual Integrations
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3/10/2020 2:44:33 PM



#92
Benzo(g,h,i)perylene
Concen: 7.011 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.01 min
Lab File: BF119300.D
Acq: 9 Mar 2020 23:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.7	28.1
138	21.2	14.3	21.5

