

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
 Data File : BF114266.D
 Acq On : 14 May 2019 21:04
 Operator : JU/SJ
 Sample : K2767-15DL 4X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-02DL

Manual Integrations
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mohammad
 5/16/2019 9:10:18 AM

Quant Time: May 15 03:34:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	168397	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	662308	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	300217	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	570361	20.00	ng	0.00
76) Chrysene-d12	14.02	240	422164	20.00	ng	0.00
87) Perylene-d12	15.50	264	456435	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	277481	26.52	ng	0.00
7) Phenol-d6	6.50	99	380766	30.77	ng	0.00
23) Nitrobenzene-d5	7.41	82	236705	20.06	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	77266	24.89	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	394931	19.90	ng	0.00
79) Terphenyl-d14	12.96	244	336313	16.42	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	196710	6.358	ng	97
37) 2-Methylnaphthalene	8.85	142	83133	4.165	ng	95
38) 1-Methylnaphthalene	8.95	142	58901	3.133	ng	98
49) Acenaphthylene	9.75	152	347380	11.701	ng	97
50) Dimethylphthalate	9.60	163	69270	3.143	ng	98
58) Fluorene	10.44	166	42937	2.081	ng	# 91
71) Phenanthrene	11.40	178	1185271	42.714	ng	98
72) Anthracene	11.45	178	157605	5.655	ng	98
75) Fluoranthene	12.60	202	1458445	48.807	ng	100
78) Pyrene	12.83	202	2606281	76.743	ng	99
81) Benzo(a)anthracene	14.02	228	970543m	35.544	ng	
83) Chrysene	14.05	228	1181134	44.127	ng	99
86) Indeno(1,2,3-cd)pyrene	16.99	276	481399	20.350	ng	97
88) Benzo(b)fluoranthene	15.08	252	1184067m	40.492	ng	
89) Benzo(k)fluoranthene	15.09	252	363621m	13.537	ng	
90) Benzo(a)pyrene	15.44	252	888467	34.523	ng	100
91) Dibenzo(a,h)anthracene	16.99	278	132513m	6.197	ng	
92) Benzo(g,h,i)perylene	17.44	276	542276	25.304	ng	98

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

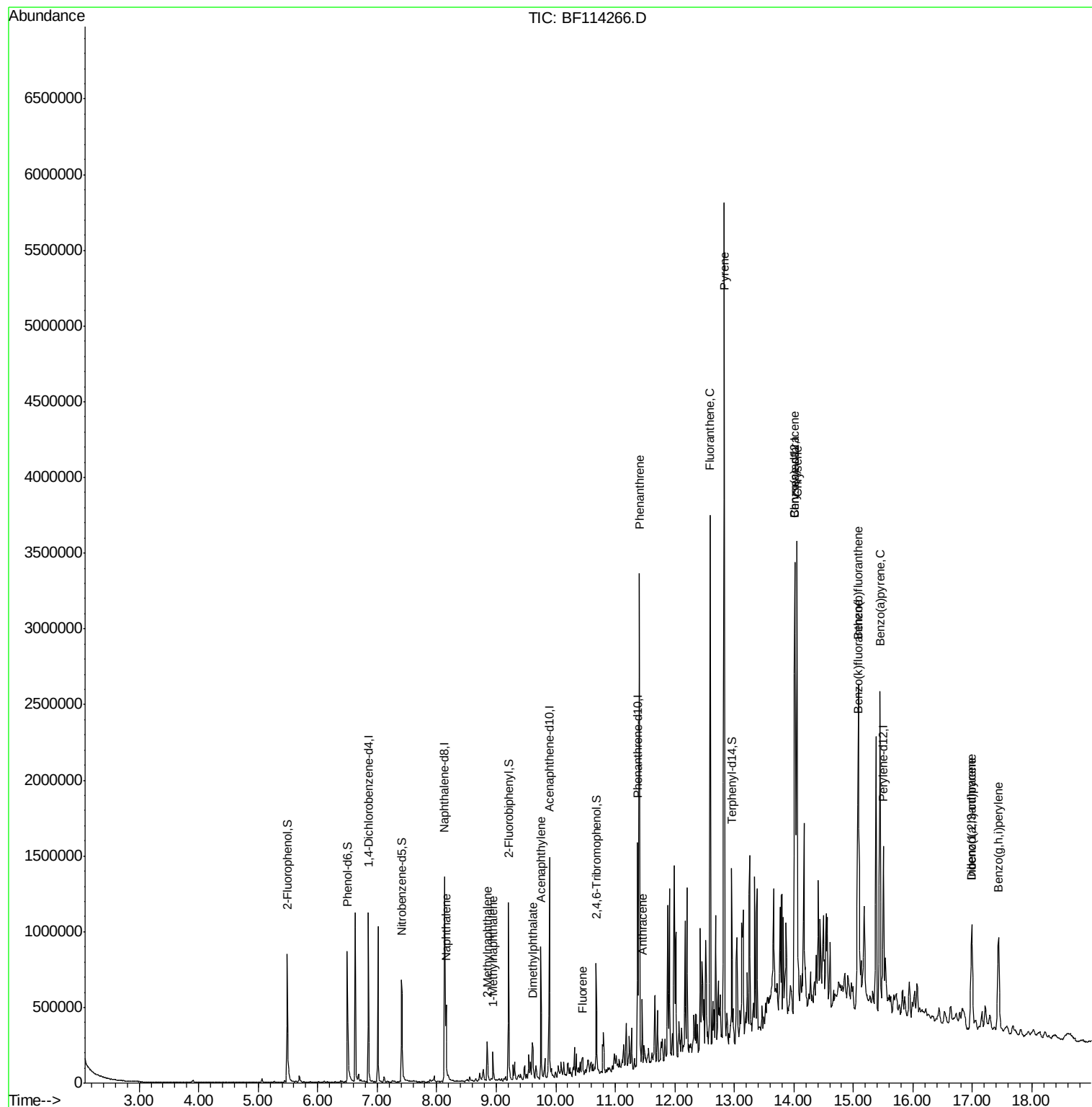
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\
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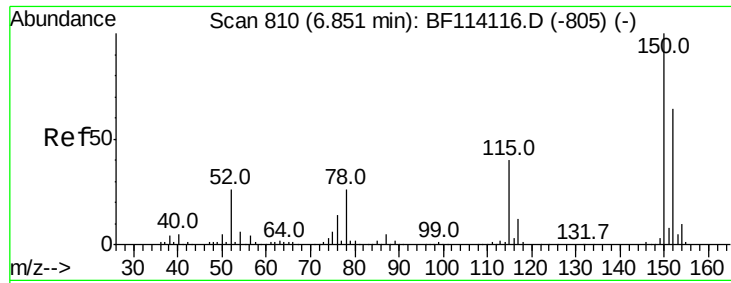
Instrument :
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P026-SS012-0002-02DL

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Quant Time: May 15 03:34:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

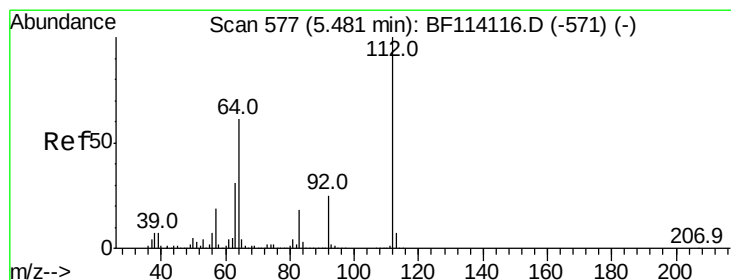
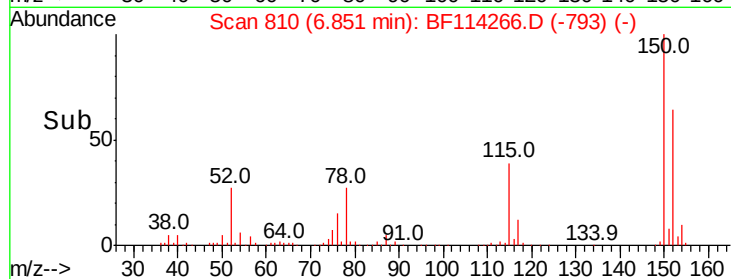
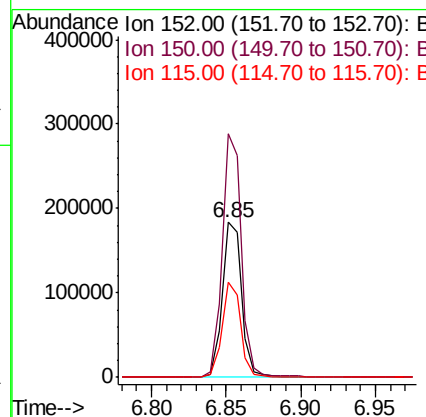
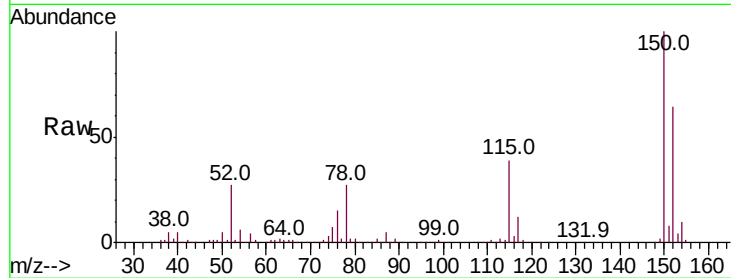
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.3	186.5
115	61.0	49.1	73.7

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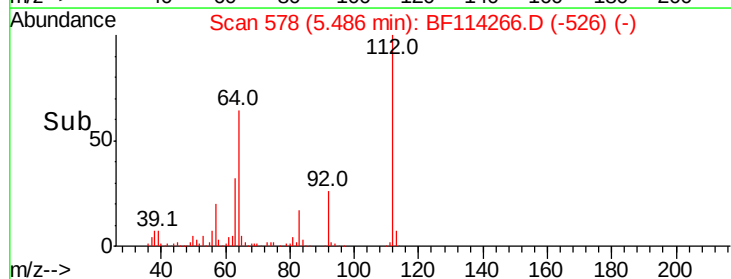
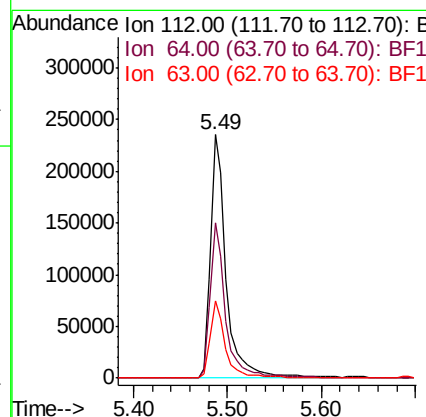
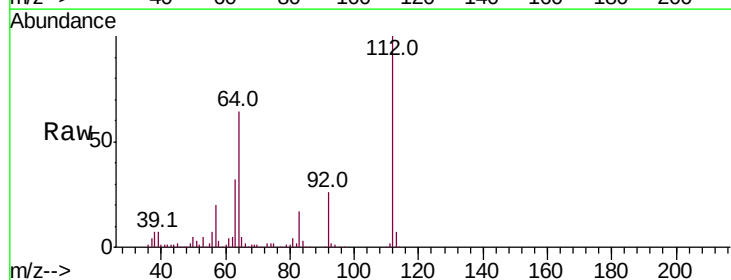
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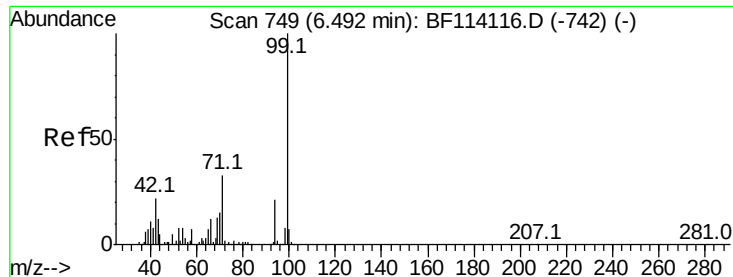


#5

2-Fluorophenol
Concen: 26.517 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	49.0	73.6
63	31.7	24.6	37.0





#7

Phenol-d6

Concen: 30.766 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114266.D

Acq: 14 May 2019 21:04

Instrument :

BNA_F

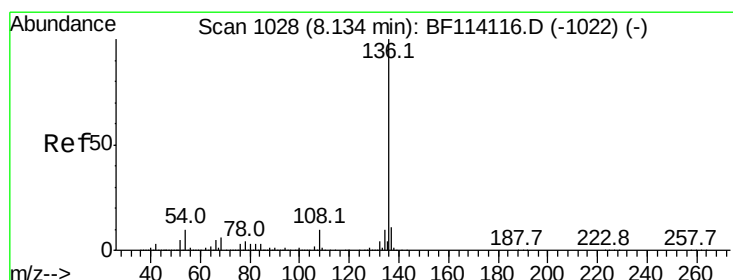
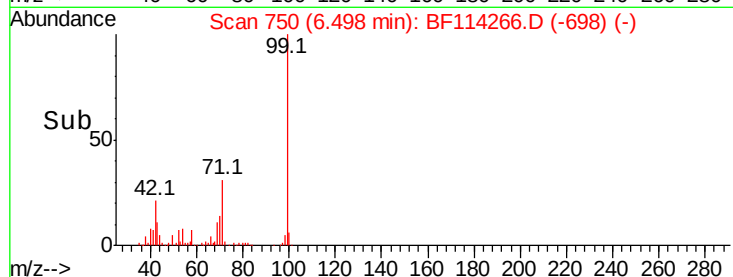
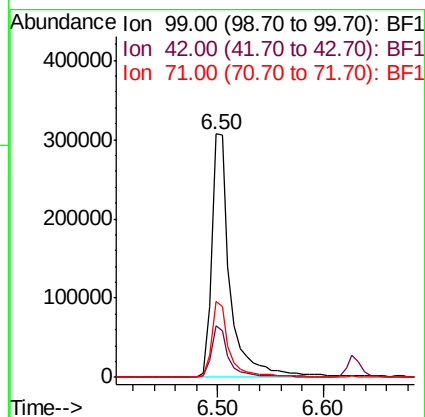
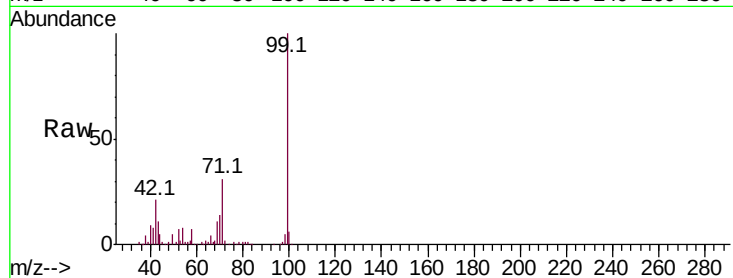
ClientSampleId :

P026-SS012-0002-02DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		380766		
42	21.2	17.9		26.9	
71	31.1	26.2		39.2	

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#21

Naphthalene-d8

Concen: 20.000 ng

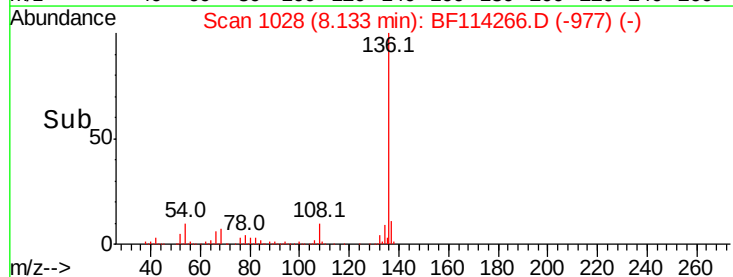
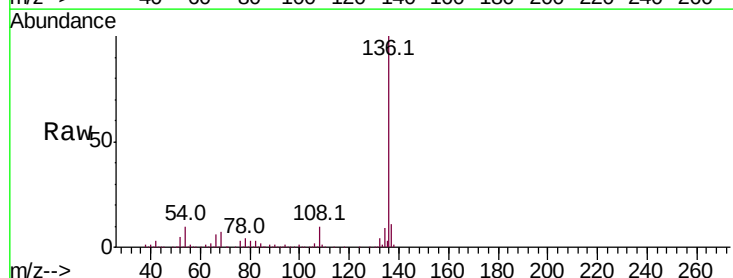
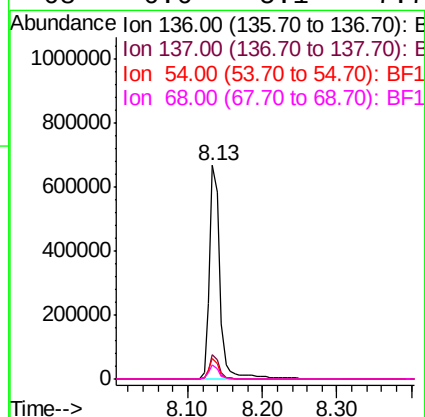
RT: 8.13 min Scan# 1028

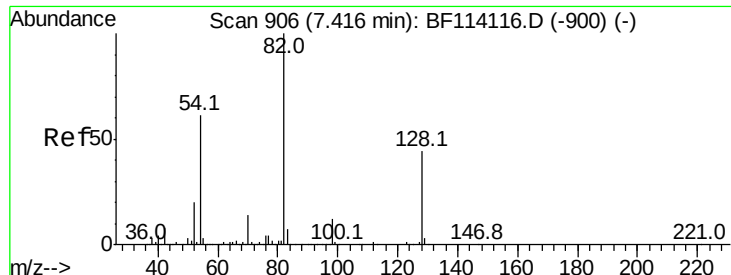
Delta R.T. -0.00 min

Lab File: BF114266.D

Acq: 14 May 2019 21:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		662308		
137	11.3	8.8		13.2	
54	9.7	7.8		11.8	
68	6.6	5.1		7.7	





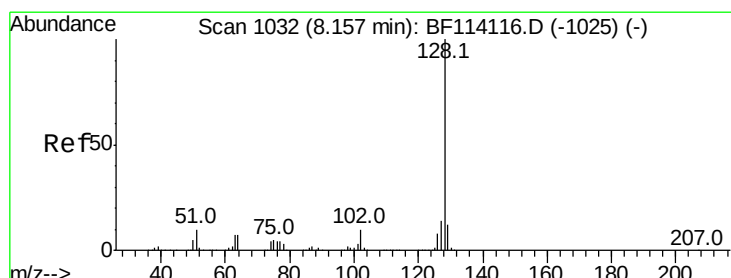
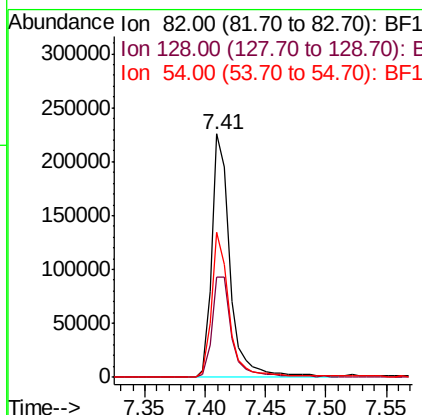
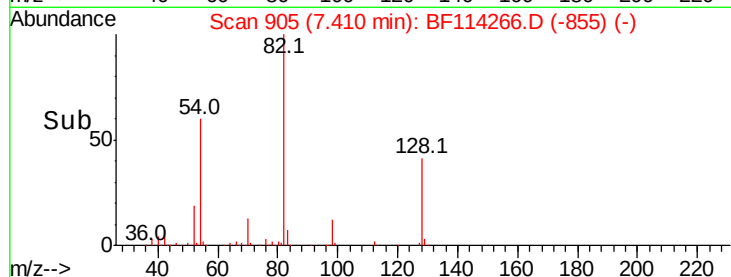
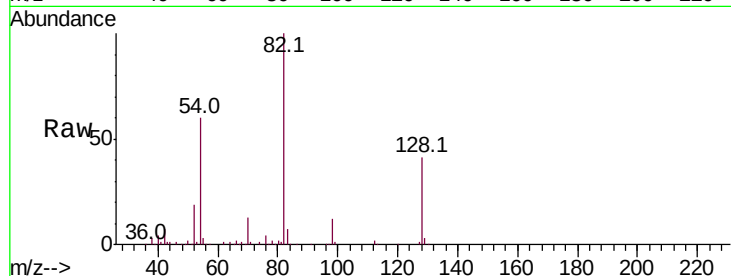
#23
Nitrobenzene-d5
Concen: 20.057 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	35.5	53.3
54	59.5	48.5	72.7

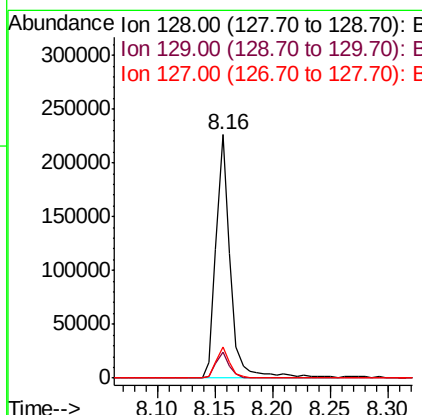
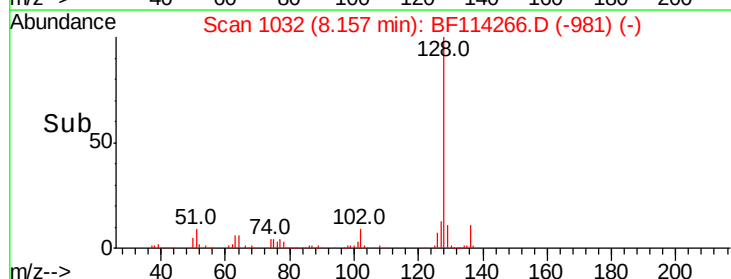
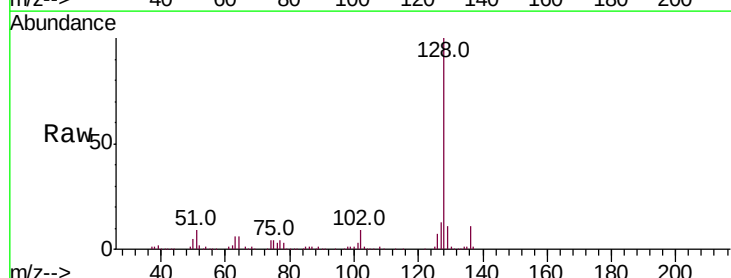
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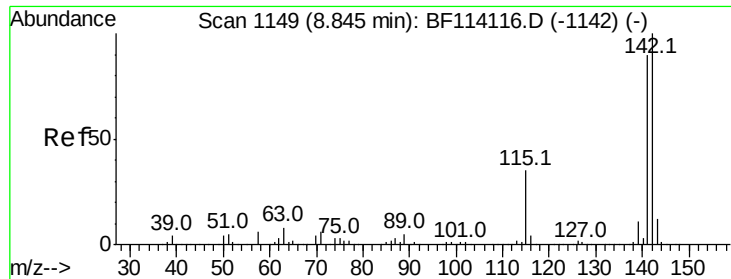
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#31
Naphthalene
Concen: 6.358 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.6	14.4
127	12.7	11.3	16.9





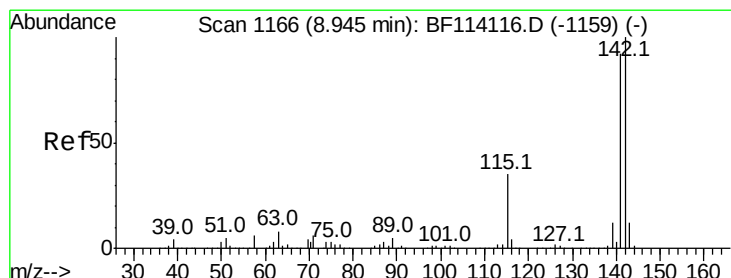
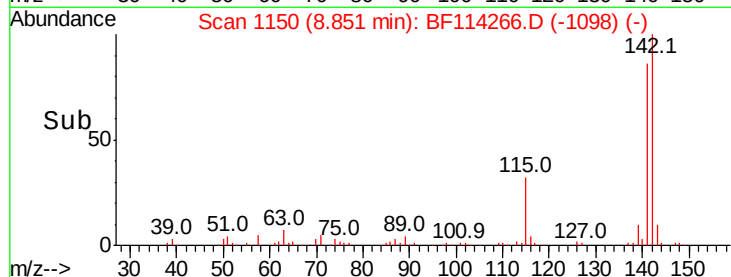
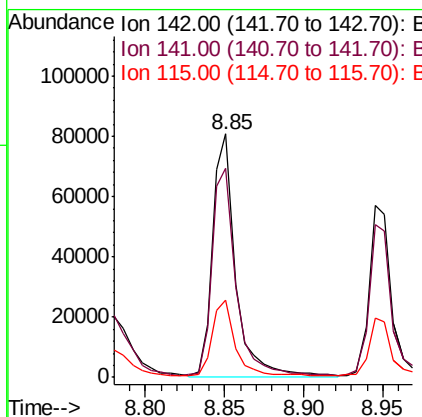
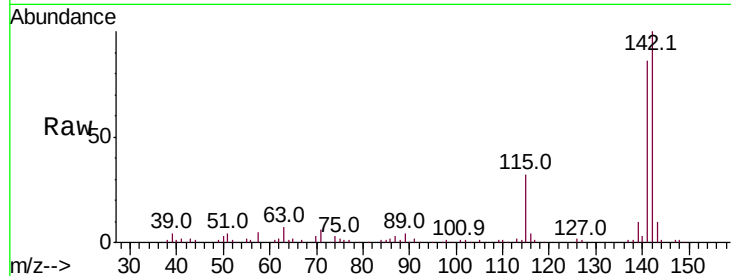
#37
 2-Methylnaphthalene
 Concen: 4.165 ng
 RT: 8.85 min Scan# 1150
 Delta R.T. 0.01 min
 Lab File: BF114266.D
 Acq: 14 May 2019 21:04

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-02DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.7	72.1	108.1
115	31.8	28.0	42.0

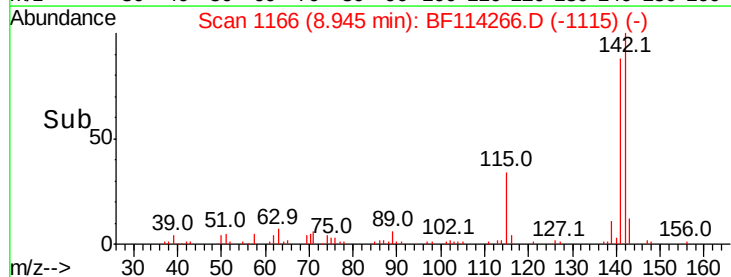
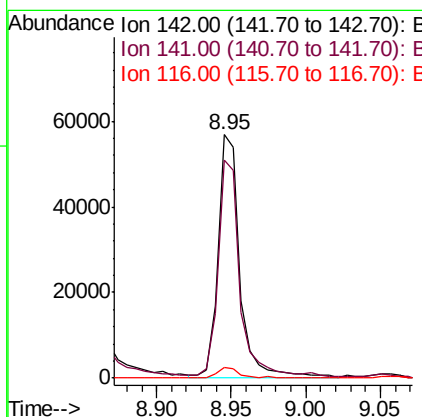
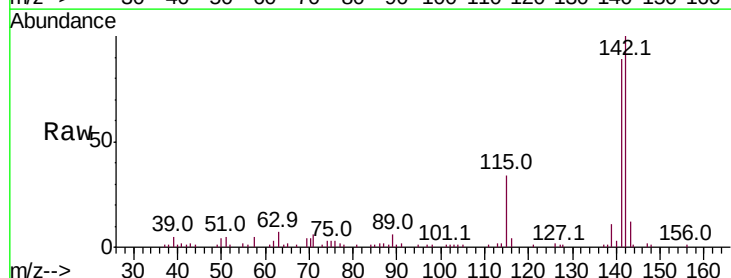
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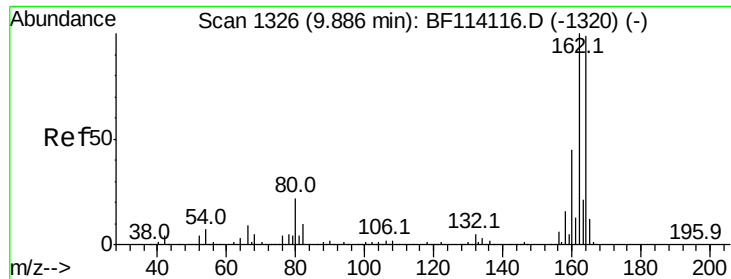
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#38
 1-Methylnaphthalene
 Concen: 3.133 ng
 RT: 8.95 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: BF114266.D
 Acq: 14 May 2019 21:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	73.4	110.0
116	4.1	3.1	4.7





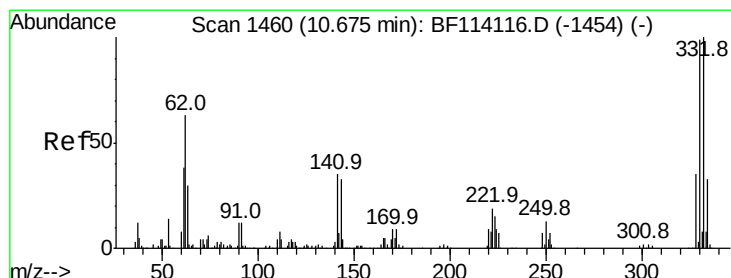
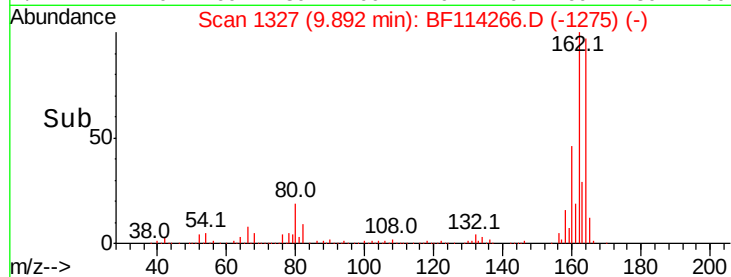
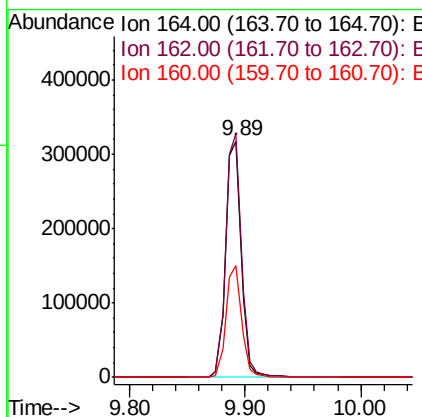
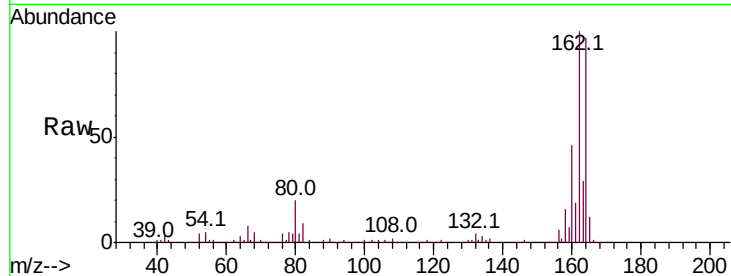
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF114266.D
 Acq: 14 May 2019 21:04

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-02DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	300217		
162	103.1	80.6	120.8	
160	47.2	36.5	54.7	

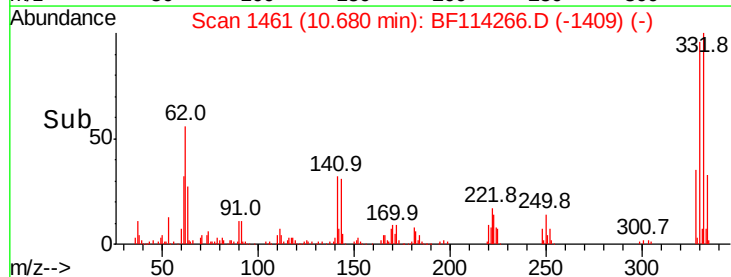
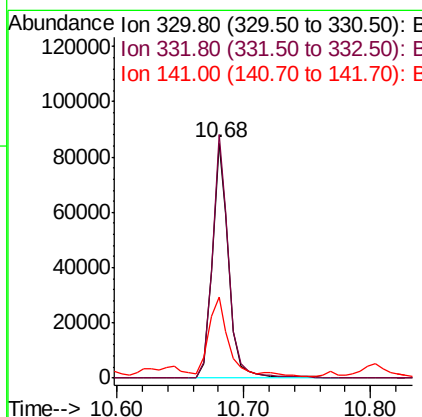
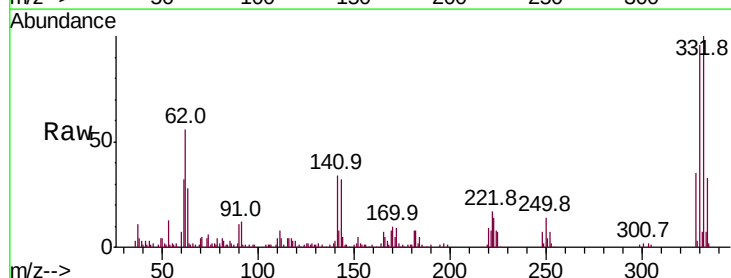
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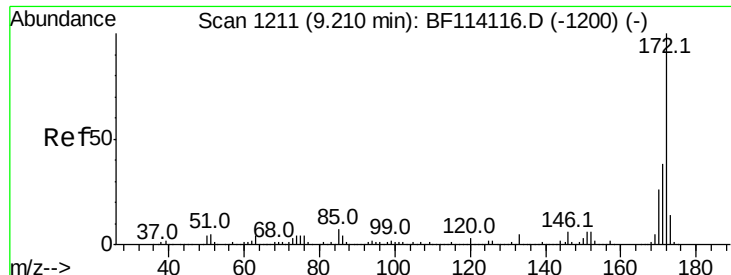
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#42
 2,4,6-Tribromophenol
 Concen: 24.894 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.01 min
 Lab File: BF114266.D
 Acq: 14 May 2019 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	77266		
332	102.3	81.4	122.2	
141	42.0	26.6	40.0	





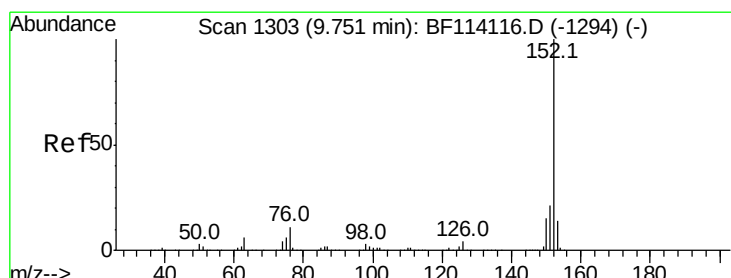
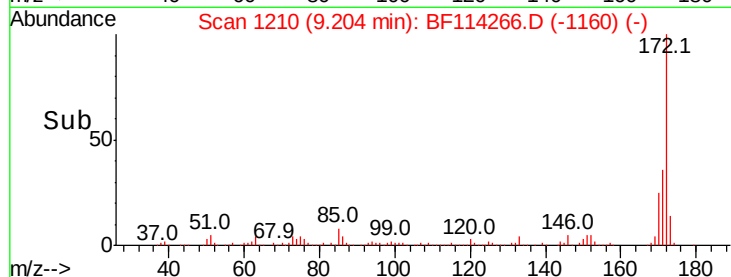
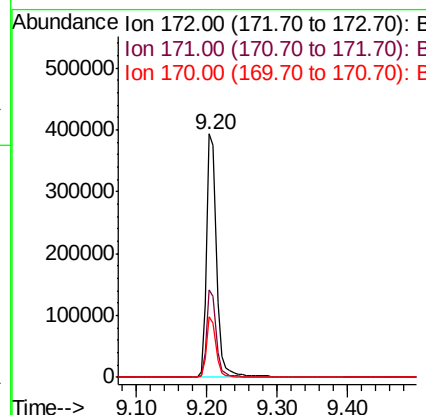
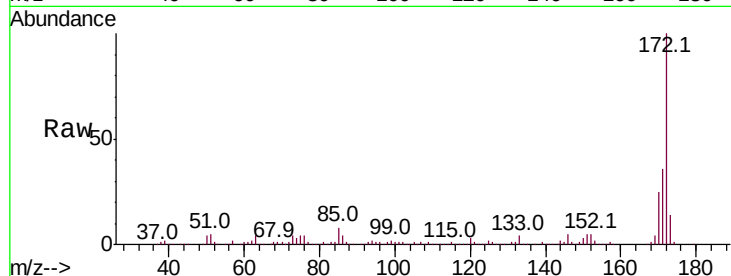
#45
2-Fluorobiphenyl
Concen: 19.899 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	394931		
171	35.8		30.7	46.1
170	24.7		20.5	30.7

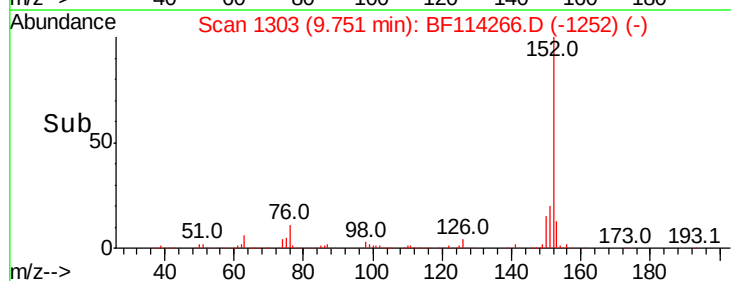
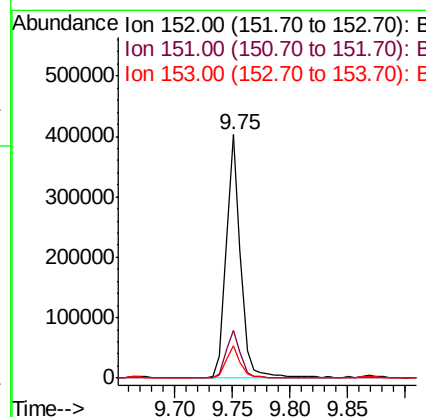
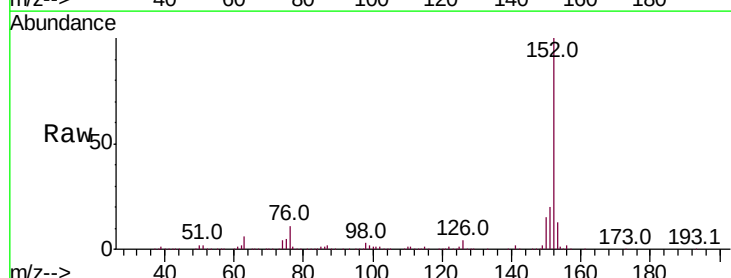
Manual Integrations
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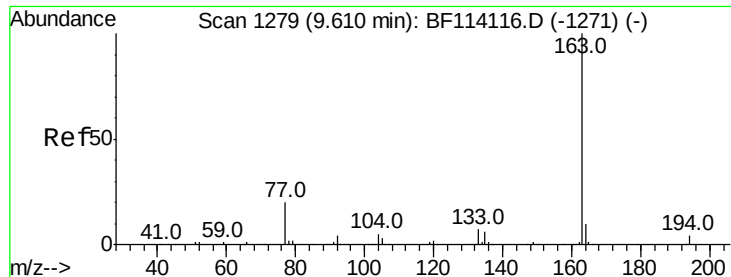
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#49
Acenaphthylene
Concen: 11.701 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	347380		
151	19.8		16.8	25.2
153	13.1		11.4	17.2





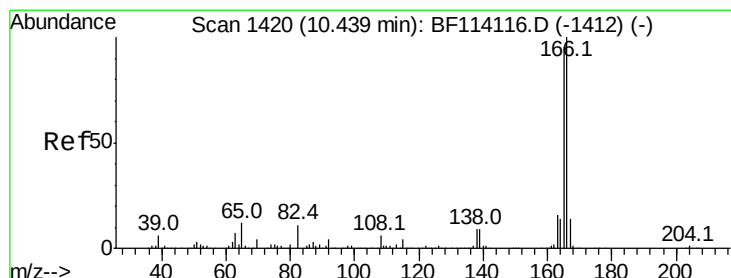
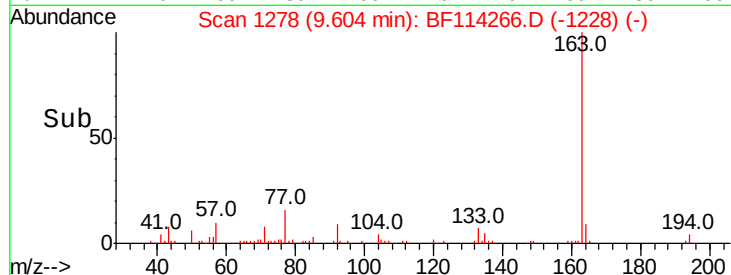
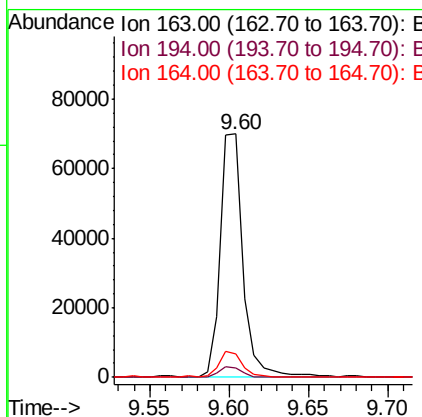
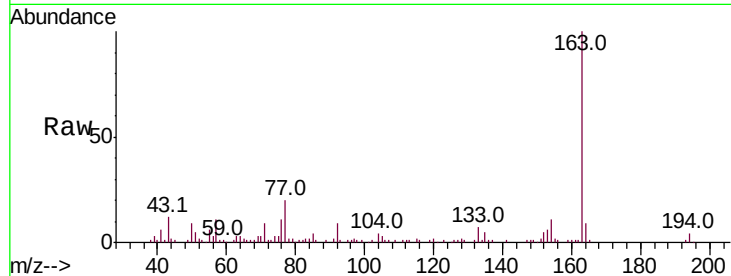
#50
Dimethylphthalate
Concen: 3.143 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	9.4	8.2	12.2

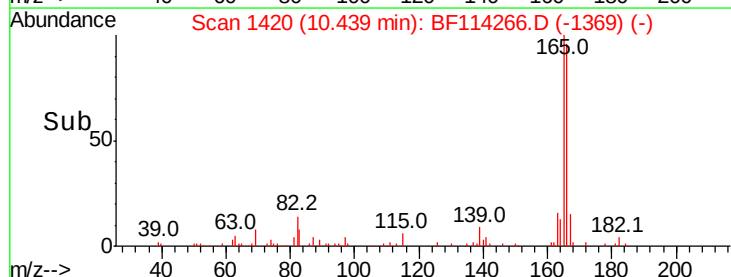
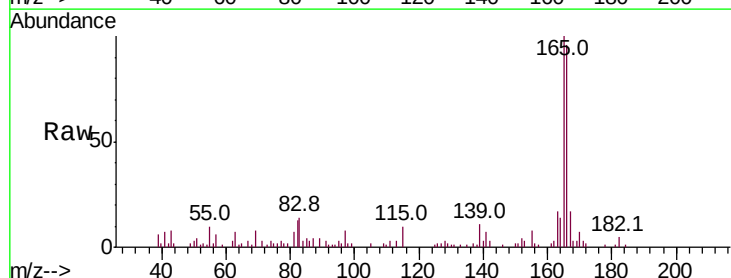
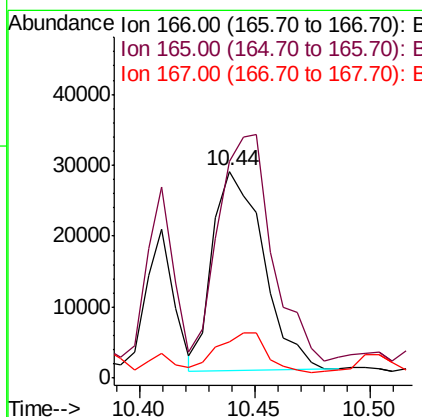
Manual Integrations
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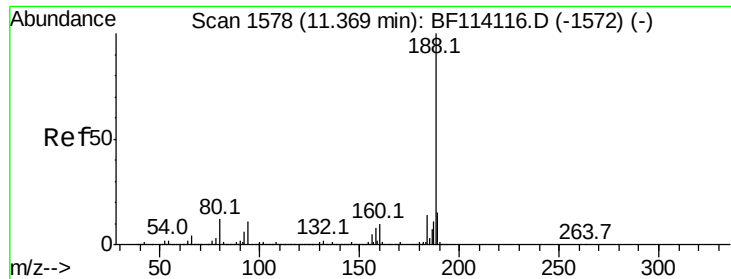
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#58
Fluorene
Concen: 2.081 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.00 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.4	76.1	114.1
167	17.3	11.1	16.7#





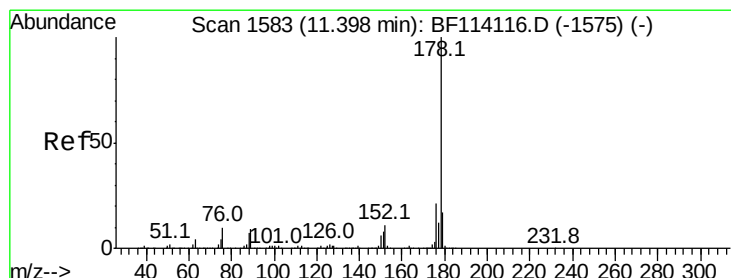
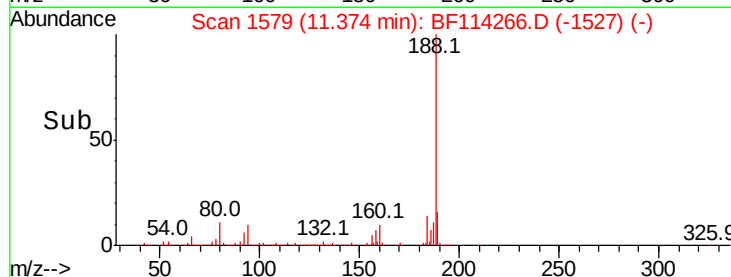
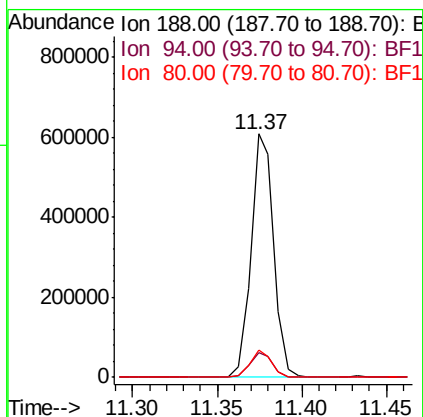
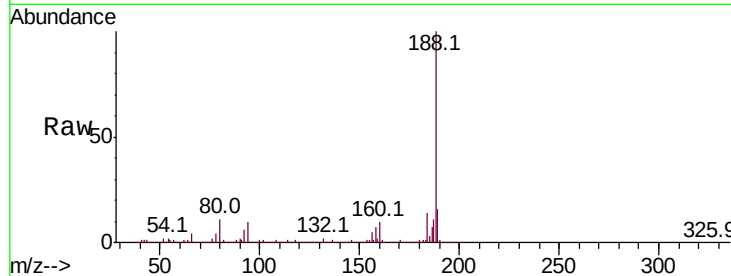
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.2	8.4	12.6
80	11.4	9.2	13.8

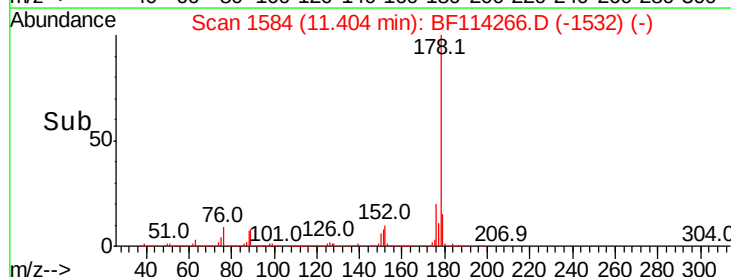
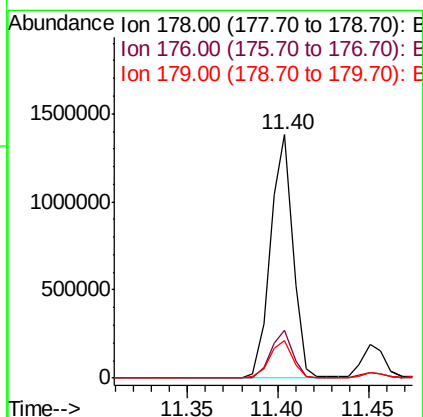
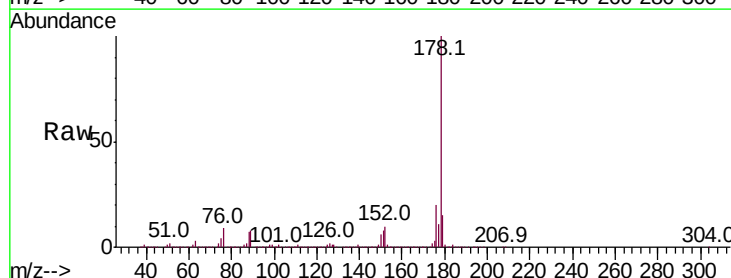
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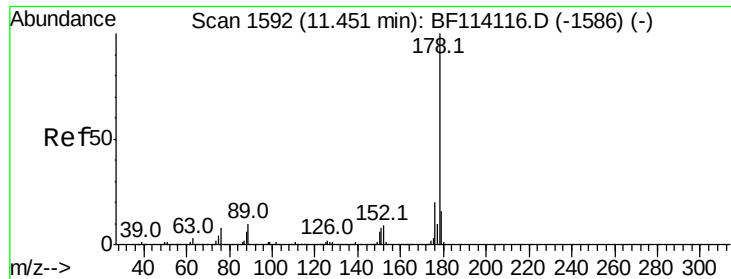
mohammad
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#71
Phenanthrene
Concen: 42.714 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	16.4	24.6
179	15.3	13.2	19.8





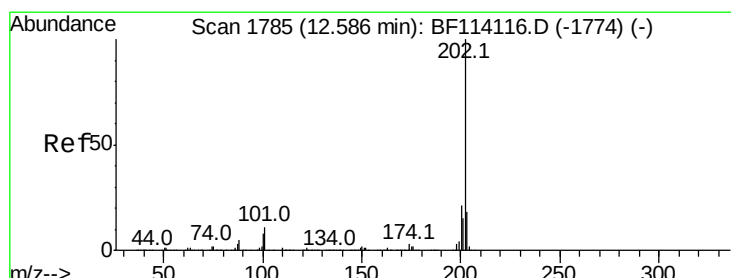
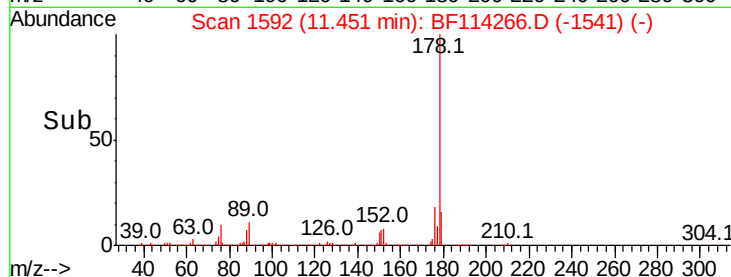
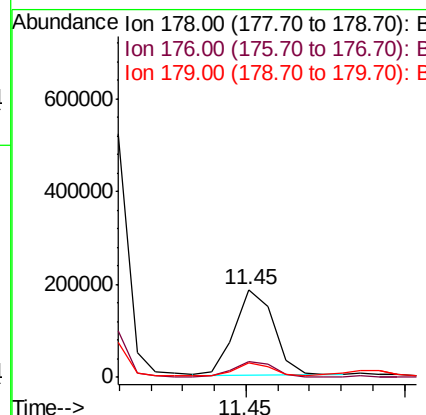
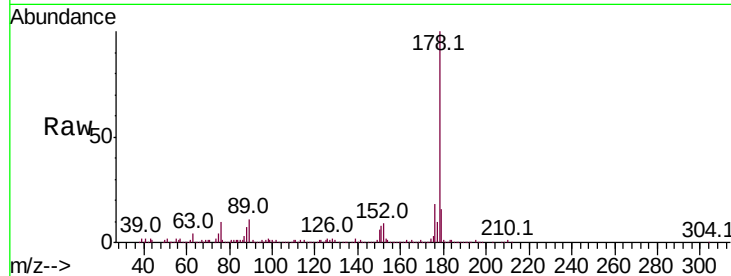
#72
 Anthracene
 Concen: 5.655 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BF114266.D
 Acq: 14 May 2019 21:04

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-02DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	16.4	13.0	19.4

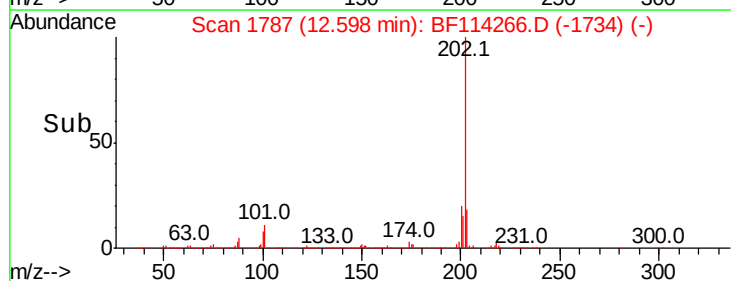
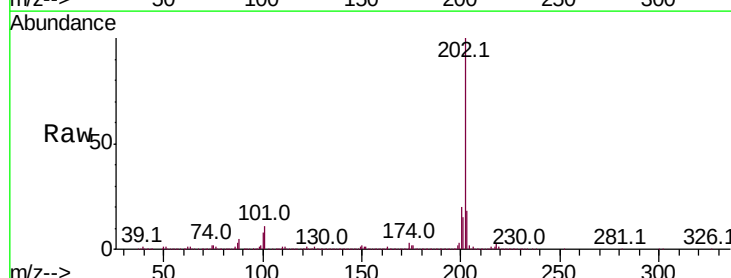
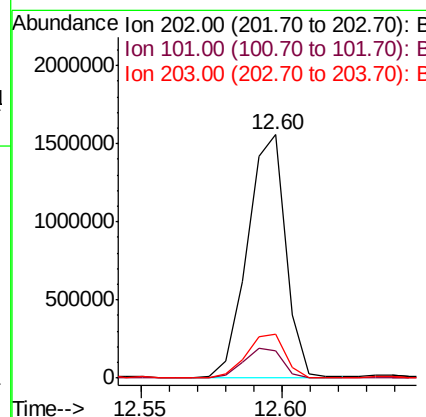
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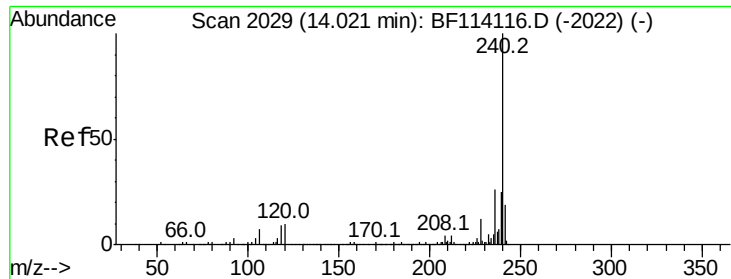
mohammad
 5/16/2019 9:10:18 AM



#75
 Fluoranthene
 Concen: 48.807 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: BF114266.D
 Acq: 14 May 2019 21:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.0
203	18.3	0.0	38.4





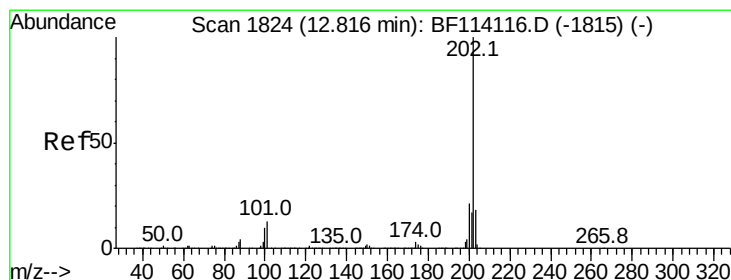
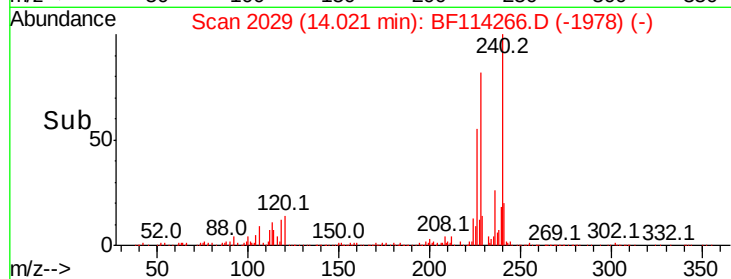
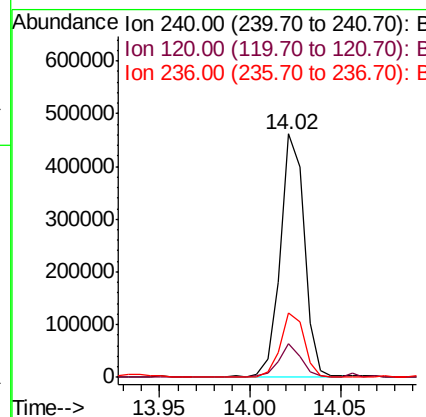
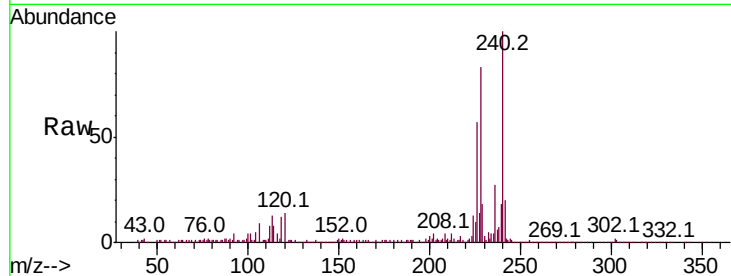
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.9	8.3	12.5#
236	26.6	20.8	31.2

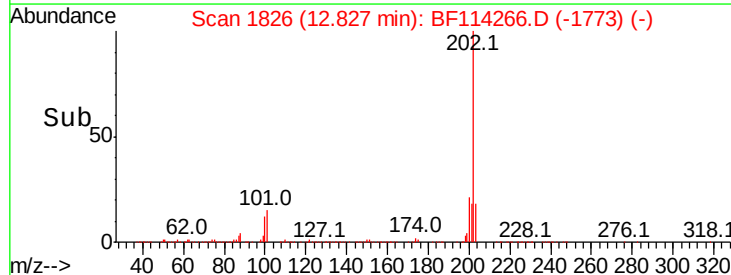
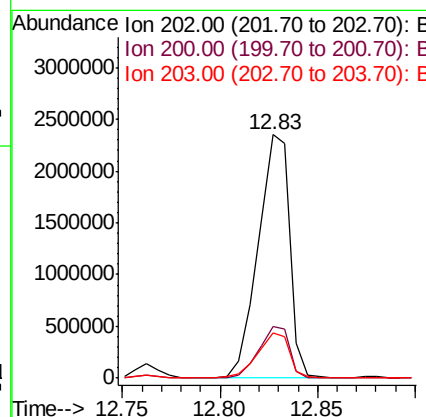
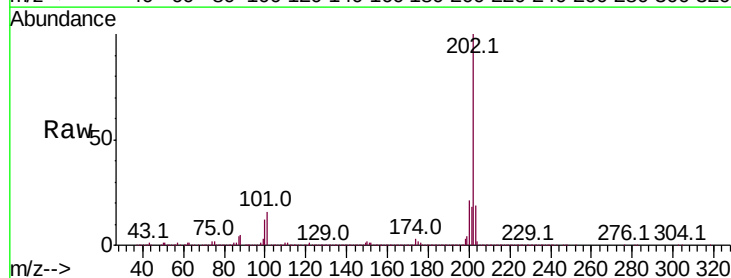
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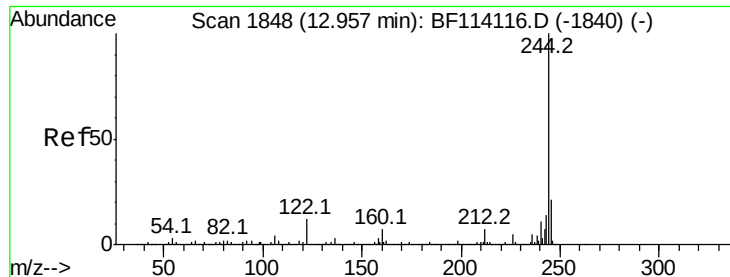
mohammad
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#78
Pyrene
Concen: 76.743 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	18.6	14.5	21.7





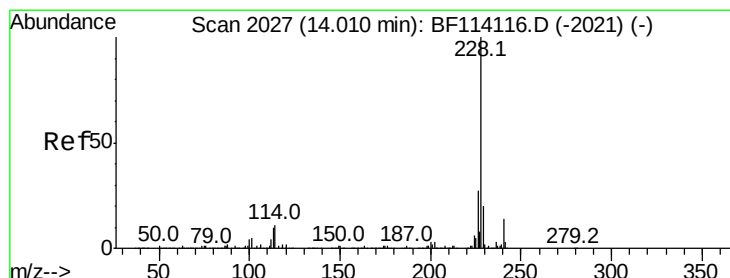
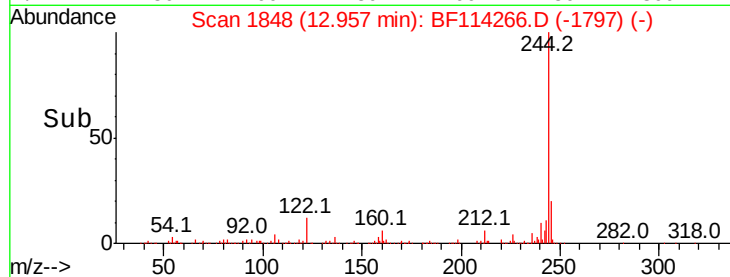
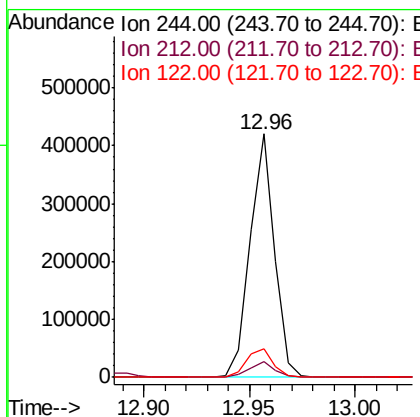
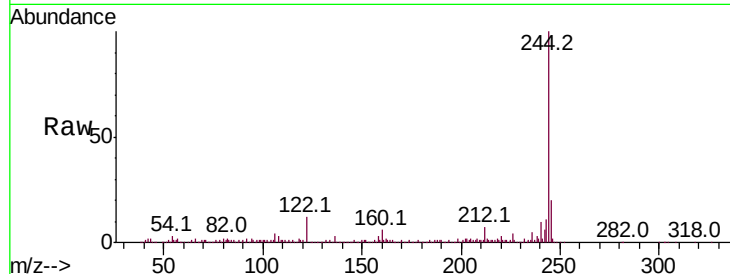
#79
 Terphenyl-d14
 Concen: 16.422 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BF114266.D
 Acq: 14 May 2019 21:04

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-02DL

Tot Ion:	244	Resp:	336313
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.8	8.6
122	11.9	9.4	14.2

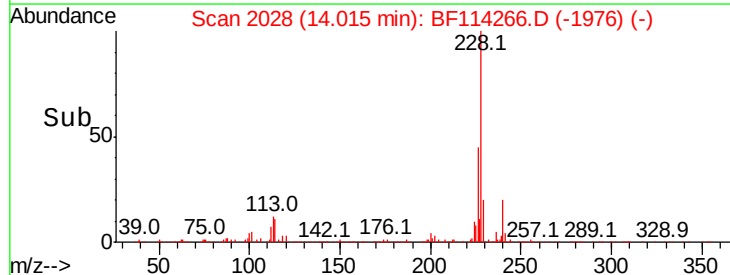
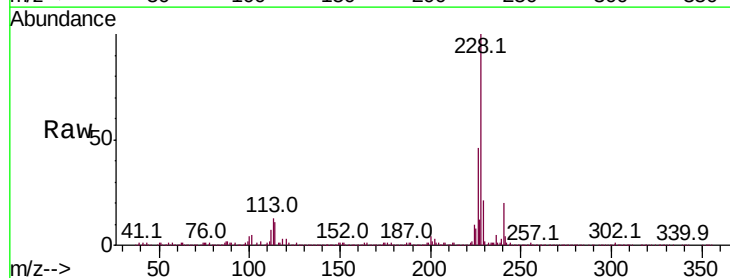
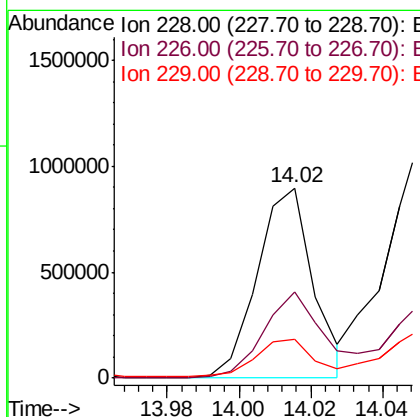
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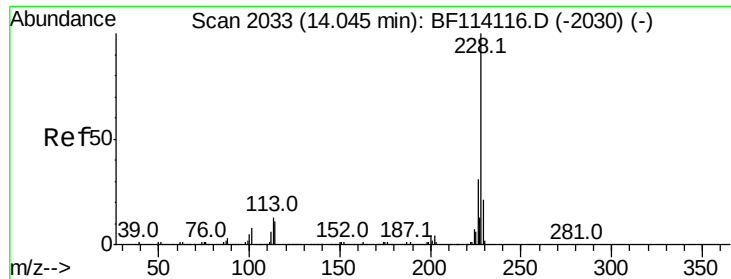
mohammad
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#81
 Benzo(a)anthracene
 Concen: 35.544 ng m
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BF114266.D
 Acq: 14 May 2019 21:04

Tgt Ion:	228	Resp:	970543
Ion Ratio	Lower	Upper	
228	100		
226	45.6	22.2	33.2#
229	20.7	16.4	24.6





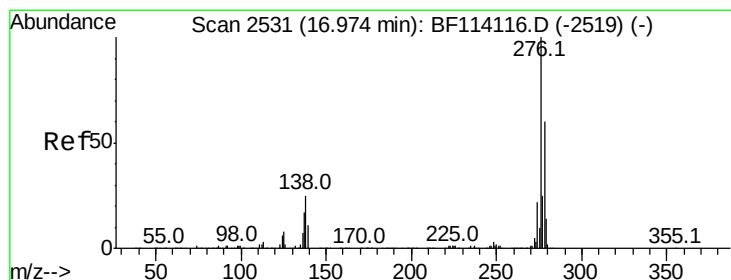
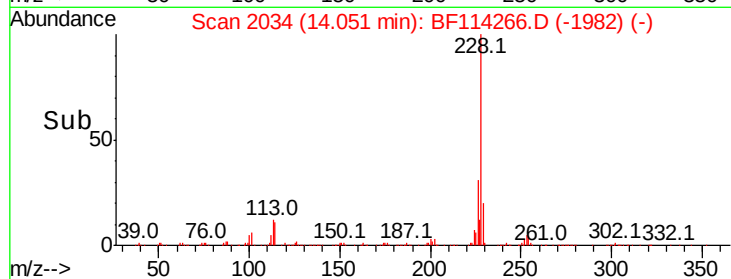
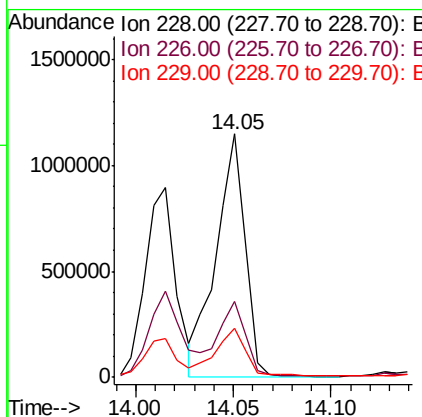
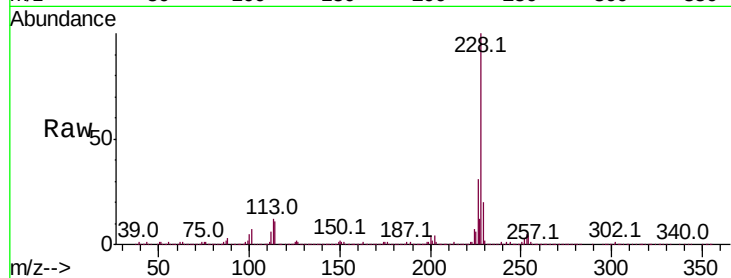
#83
Chrysene
Concen: 44.127 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	20.3	17.0	25.6

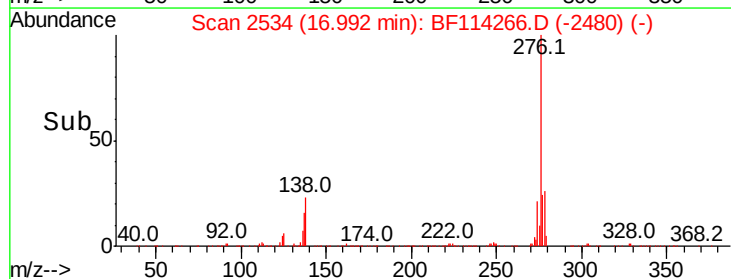
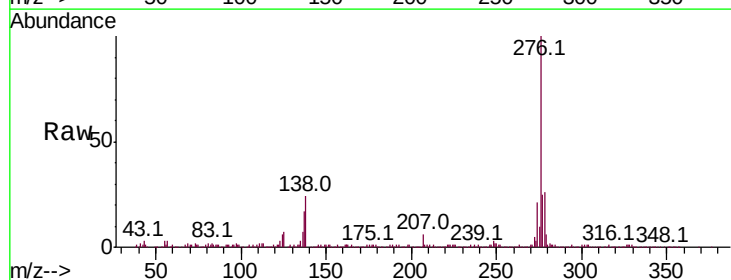
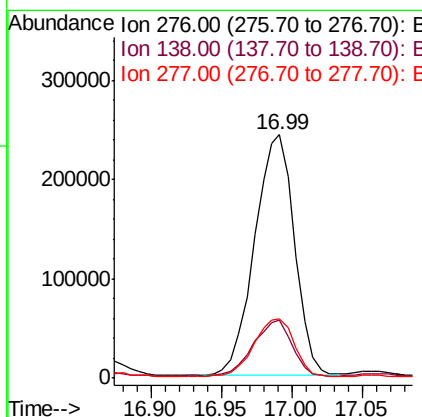
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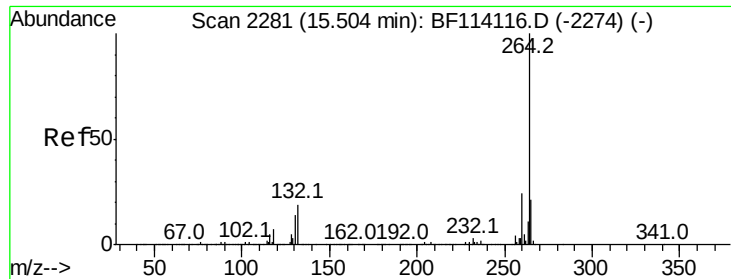
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 20.350 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.2	30.2
277	24.3	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BF114266.D

Acq: 14 May 2019 21:04

Instrument :

BNA_F

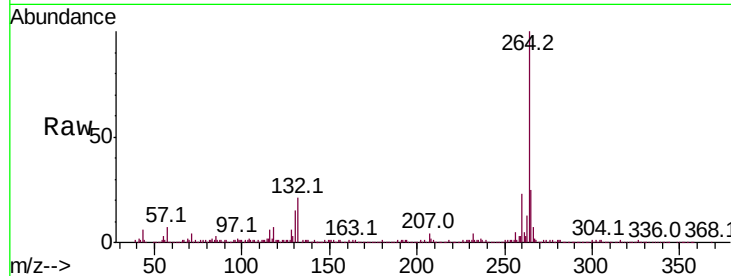
ClientSampleId :

P026-SS012-0002-02DL

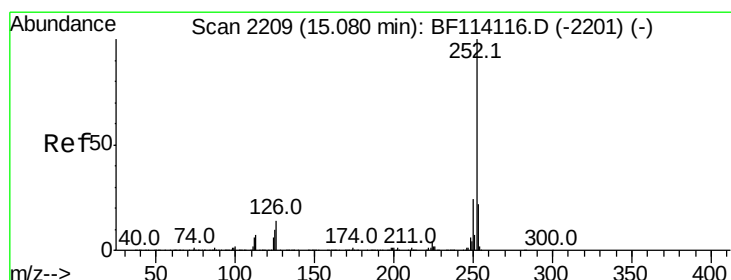
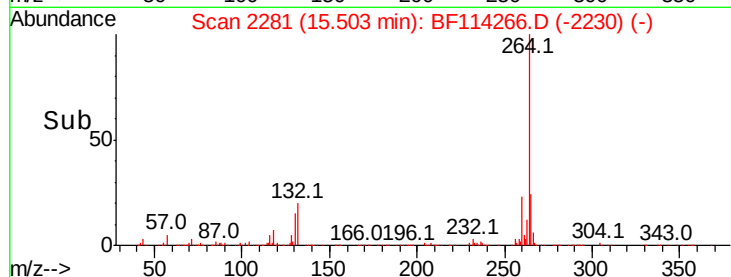
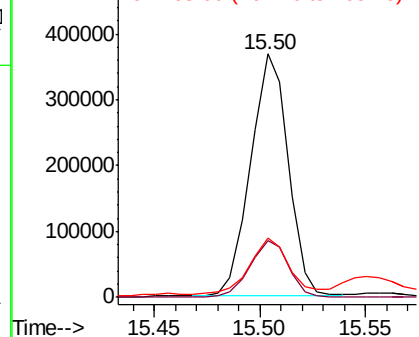
Tot Ion:	264	Resp:	456435
Ion Ratio		Lower	Upper
264	100		
260	23.2	19.4	29.0
265	24.5	16.9	25.3

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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: 40.492 ng m

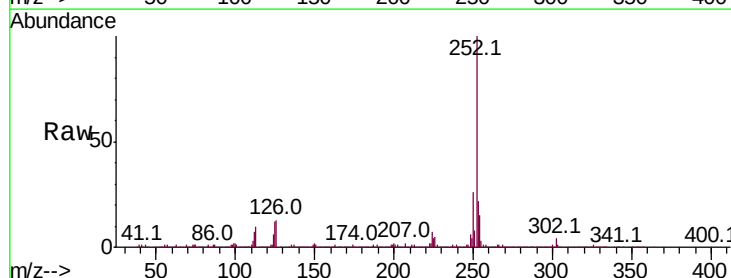
RT: 15.08 min Scan# 2209

Delta R.T. -0.00 min

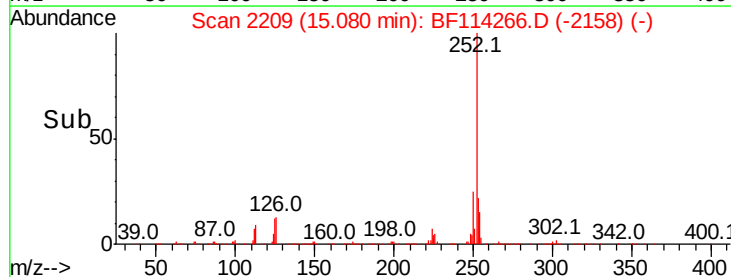
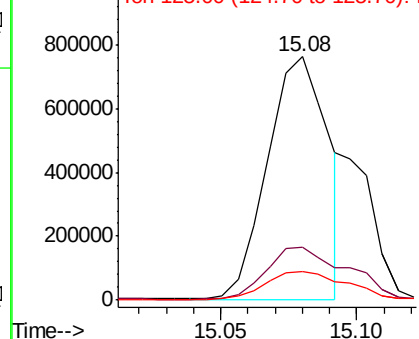
Lab File: BF114266.D

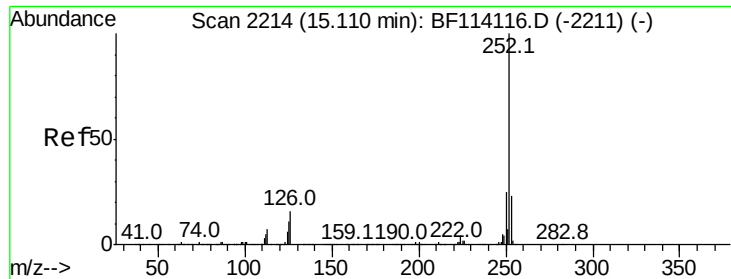
Acq: 14 May 2019 21:04

Tgt Ion:	252	Resp:	1184067
Ion Ratio		Lower	Upper
252	100		
253	21.8	17.8	26.8
125	11.9	8.3	12.5



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





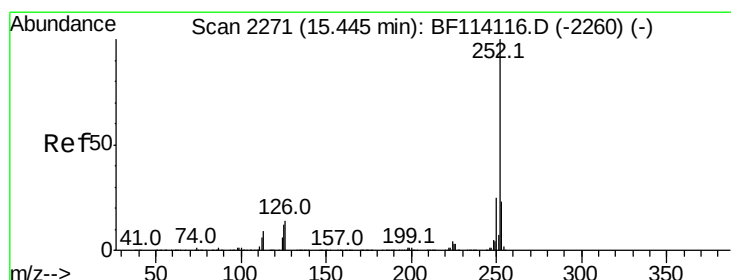
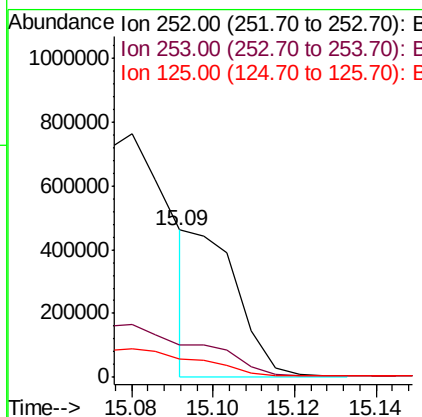
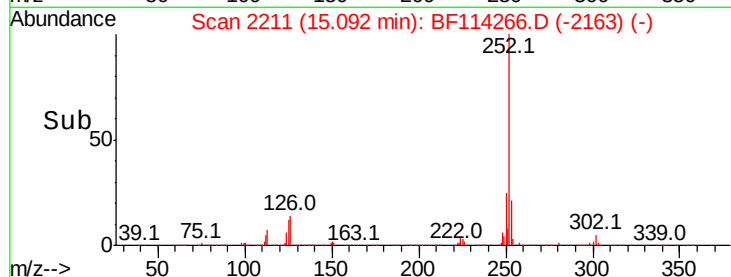
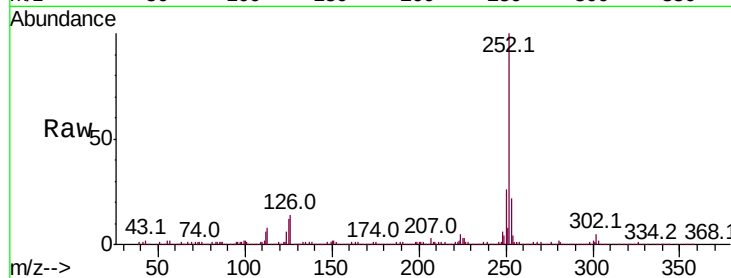
#89
Benzo(k)fluoranthene
Concen: 13.537 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2
125	12.2	8.6	13.0

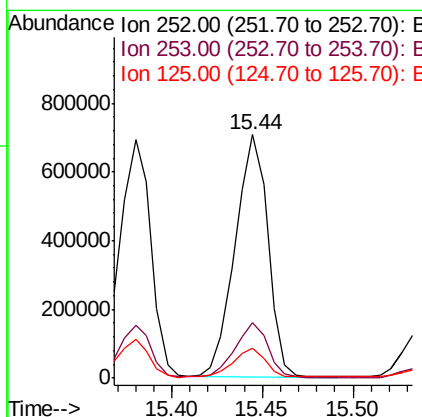
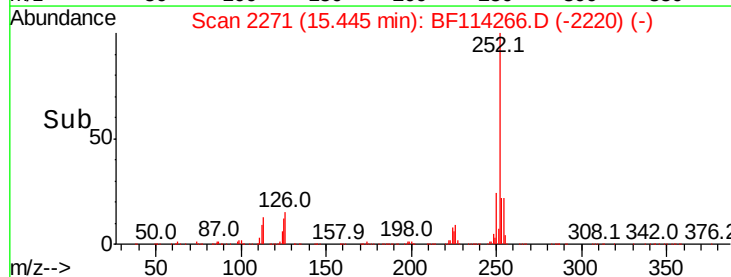
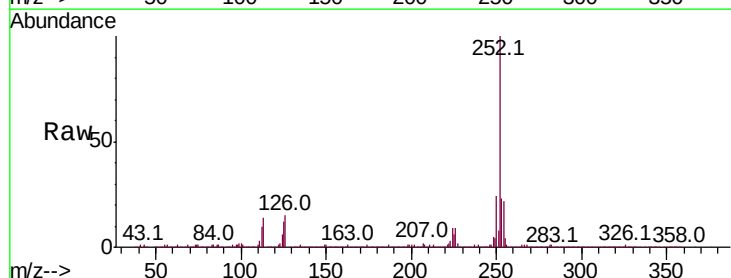
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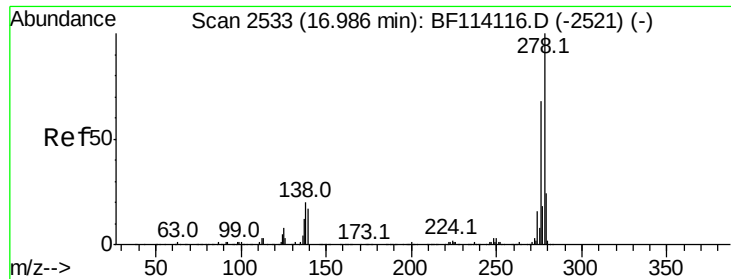
mohammad
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#90
Benzo(a)pyrene
Concen: 34.523 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	12.0	9.5	14.3





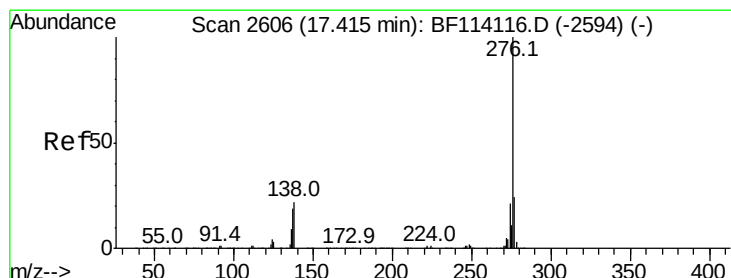
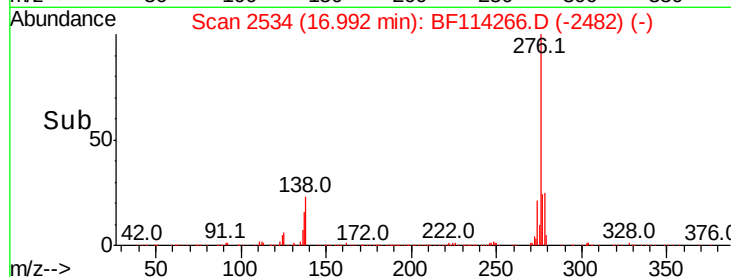
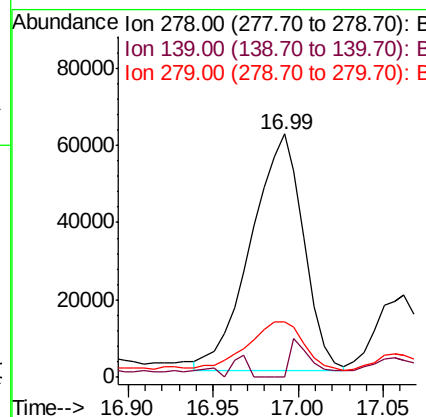
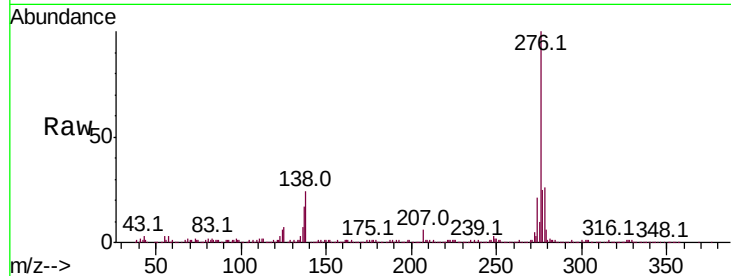
#91
Dibenzo(a,h)anthracene
Concen: 6.197 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-02DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3
279	23.0	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 25.304 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.02 min
Lab File: BF114266.D
Acq: 14 May 2019 21:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.4
138	23.2	17.8	26.6

